

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064772.D
 Acq On : 06 Jan 2020 14:48
 Operator : VA/SY
 Sample : VD0106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:35:18 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	394018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	576551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188910	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
35) Dibromofluoromethane	7.91	113	191622	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	10.34	98	725862	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.64	95	231423	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63523	20.745	ug/l	99
3) Chloromethane	2.21	50	93515	21.836	ug/l	100
4) Vinyl Chloride	2.35	62	110534	21.169	ug/l	98
5) Bromomethane	2.76	94	79613	20.970	ug/l	92
6) Chloroethane	2.92	64	75189	21.490	ug/l	99
7) Trichlorofluoromethane	3.27	101	189514	21.555	ug/l	94
8) Diethyl Ether	3.70	74	35712	20.455	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	79581	21.856	ug/l	99
10) Methyl Iodide	4.29	142	78379	20.040	ug/l	99
11) Tert butyl alcohol	5.25	59	20941	105.168	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	73697	21.260	ug/l	98
13) Acrolein	3.93	56	22772	82.060	ug/l	98
14) Allyl chloride	4.71	41	118474	21.920	ug/l	99
15) Acrylonitrile	5.43	53	77560	106.653	ug/l	99
16) Acetone	4.16	43	80112	104.692	ug/l	99
17) Carbon Disulfide	4.39	76	232653	20.756	ug/l	100
18) Methyl Acetate	4.73	43	40849	20.883	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	162778	21.141	ug/l	98
20) Methylene Chloride	4.96	84	91536	23.134	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	83365	21.117	ug/l	93
22) Diisopropyl ether	6.36	45	232185	21.538	ug/l	97
23) Vinyl Acetate	6.31	43	643369	105.208	ug/l	98
24) 1,1-Dichloroethane	6.26	63	144591	22.342	ug/l	98
25) 2-Butanone	7.22	43	100926	105.678	ug/l	98
26) 2,2-Dichloropropane	7.21	77	132251	21.979	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	91985	21.590	ug/l	100
28) Bromochloromethane	7.54	49	49561	19.700	ug/l	99
29) Tetrahydrofuran	7.57	42	61641	103.788	ug/l	99
30) Chloroform	7.71	83	150894	22.223	ug/l	93
31) Cyclohexane	7.98	56	134089	20.699	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	138474	21.713	ug/l	98
36) 1,1-Dichloropropene	8.11	75	117252	21.129	ug/l	97
37) Ethyl Acetate	7.29	43	46614	21.382	ug/l	96
38) Carbon Tetrachloride	8.10	117	127248	21.505	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
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 Sample : VD0106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:35:18 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	138117	20.549	ug/l	95
40) Benzene	8.35	78	326299	21.539	ug/l	99
41) Methacrylonitrile	7.53	41	28087	22.206	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	94900	21.678	ug/l	100
43) Isopropyl Acetate	8.46	43	88542	20.405	ug/l	99
44) Trichloroethene	9.11	130	92314	20.743	ug/l	100
45) 1,2-Dichloropropane	9.39	63	79570	21.999	ug/l	92
46) Dibromomethane	9.48	93	43707	21.674	ug/l	99
47) Bromodichloromethane	9.66	83	114973	21.426	ug/l	98
48) Methyl methacrylate	9.46	41	39858	19.508	ug/l	86
49) 1,4-Dioxane	9.47	88	9354	402.273	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	219645	102.410	ug/l	99
52) Toluene	10.40	92	210249	21.154	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	104111	20.810	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	128195	21.731	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	57161	21.033	ug/l	95
56) Ethyl methacrylate	10.66	69	67007	19.742	ug/l	99
57) 1,3-Dichloropropane	10.95	76	97076	20.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	142030	109.835	ug/l	99
59) 2-Hexanone	10.99	43	152527	104.779	ug/l	100
60) Dibromochloromethane	11.14	129	78219	20.813	ug/l	98
61) 1,2-Dibromoethane	11.25	107	56434	21.053	ug/l	99
64) Tetrachloroethene	10.88	164	82643	21.302	ug/l	97
65) Chlorobenzene	11.67	112	223600	21.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85471	21.602	ug/l	99
67) Ethyl Benzene	11.75	91	400196	21.008	ug/l	96
68) m/p-Xylenes	11.86	106	308059	41.896	ug/l	98
69) o-Xylene	12.18	106	139524	21.008	ug/l	99
70) Styrene	12.20	104	241154	20.686	ug/l	99
71) Bromoform	12.37	173	46400	20.564	ug/l #	100
73) Isopropylbenzene	12.48	105	381097	21.524	ug/l	99
74) N-amyl acetate	12.30	43	78024	20.615	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59432	21.368	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	78333	40.038	ug/l #	100
77) Bromobenzene	12.77	156	92780	21.326	ug/l	99
78) n-propylbenzene	12.83	91	448735	21.724	ug/l	99
79) 2-Chlorotoluene	12.91	91	244943	21.586	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	317436	21.825	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20726	22.156	ug/l	98
82) 4-Chlorotoluene	13.01	91	254850	21.105	ug/l	99
83) tert-Butylbenzene	13.23	119	261935	20.742	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	312071	21.544	ug/l	98
85) sec-Butylbenzene	13.41	105	368999	21.314	ug/l	100
86) p-Isopropyltoluene	13.53	119	354002	21.385	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177533	21.406	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	172998	21.234	ug/l	98
89) n-Butylbenzene	13.86	91	319643	21.442	ug/l	99
90) Hexachloroethane	14.12	117	70869	22.412	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	149585	21.152	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8986	19.929	ug/l	97

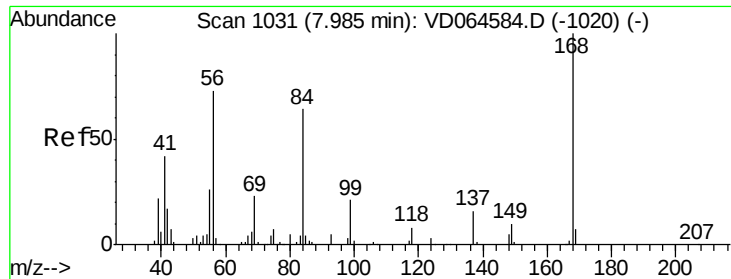
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
Data File : VD064772.D
Acq On : 06 Jan 2020 14:48
Operator : VA/SY
Sample : VD0106SBS01
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Quant Time: Jan 07 00:35:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : 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	15.18	180	107284	20.603	ug/l	99
94) Hexachlorobutadiene	15.28	225	65289	19.925	ug/l	95
95) Naphthalene	15.41	128	168489	20.453	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	90079	20.264	ug/l	99

(#) = 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: VD064772.D

Acq: 06 Jan 2020 14:48

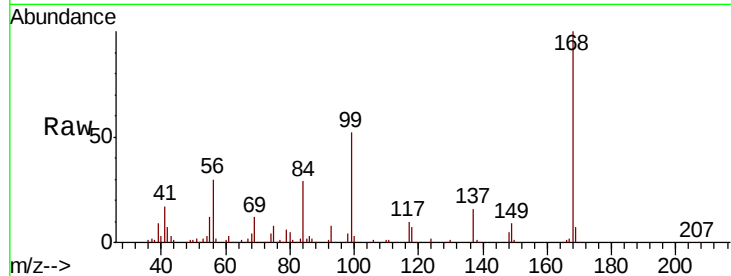
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 394018

Ion Ratio Lower Upper

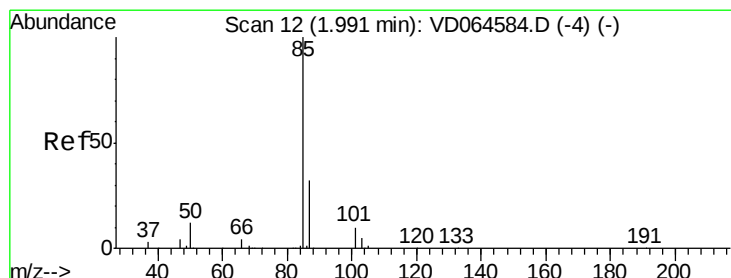
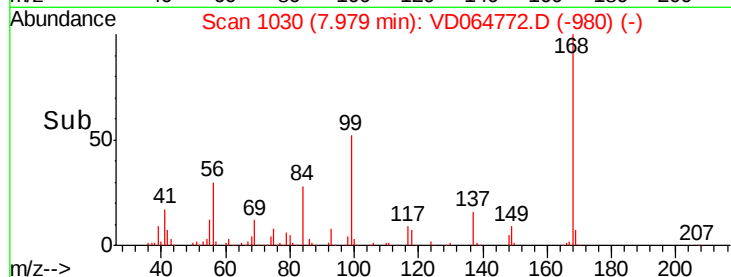
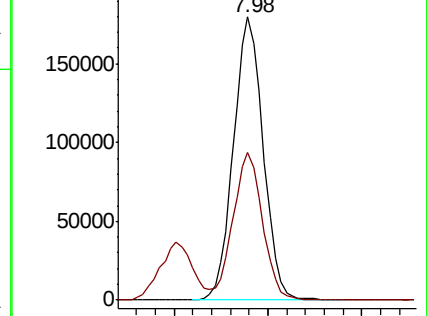
168 100

99 52.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.745 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064772.D

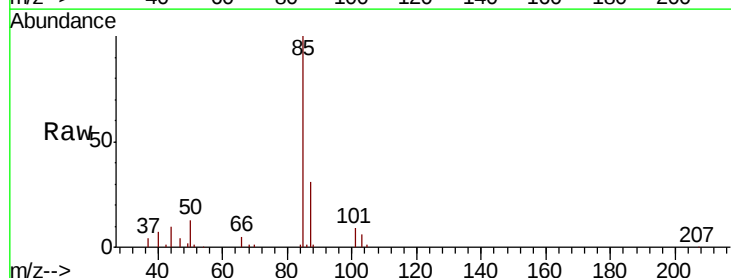
Acq: 06 Jan 2020 14:48

Tgt Ion: 85 Resp: 63523

Ion Ratio Lower Upper

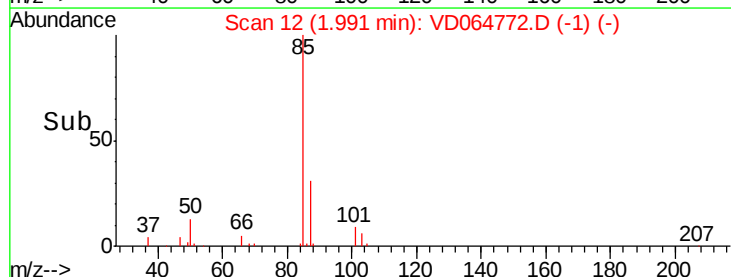
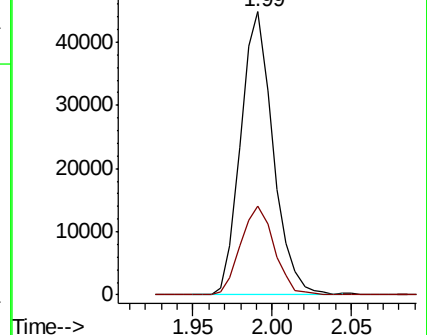
85 100

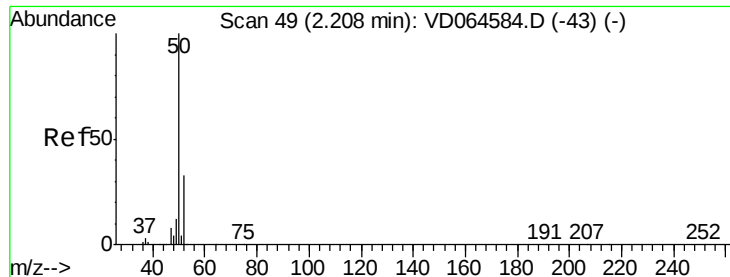
87 31.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.836 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

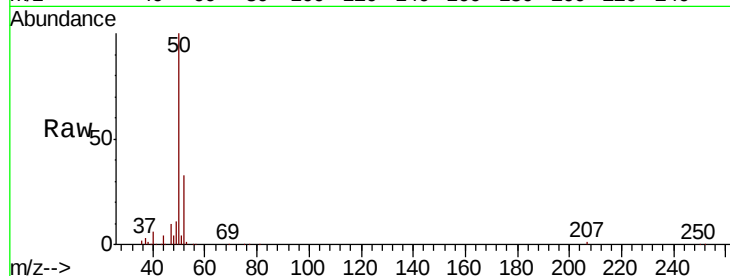
ClientSampled :

Tot Ion: 50 Resp: 93515

Ion Ratio Lower Upper

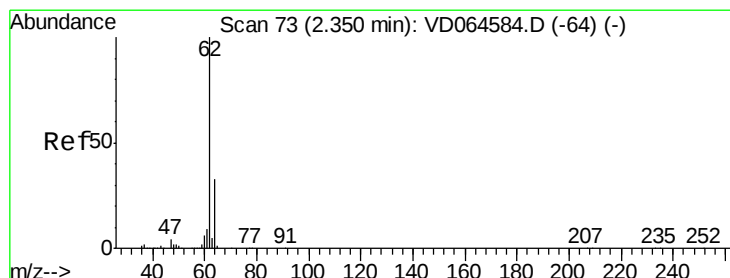
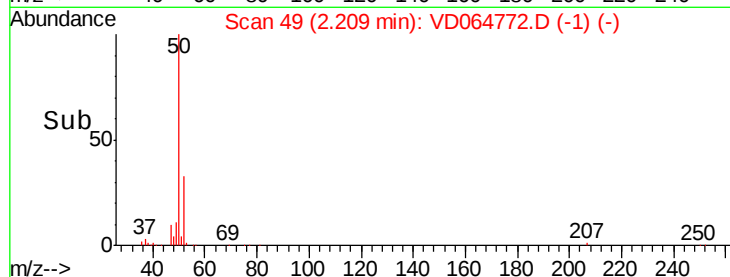
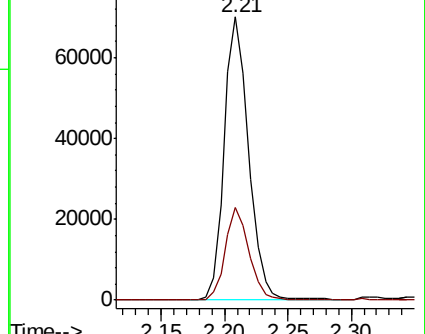
50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.169 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064772.D

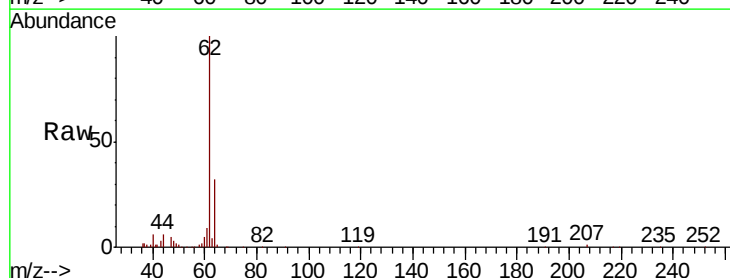
Acq: 06 Jan 2020 14:48

Tgt Ion: 62 Resp: 110534

Ion Ratio Lower Upper

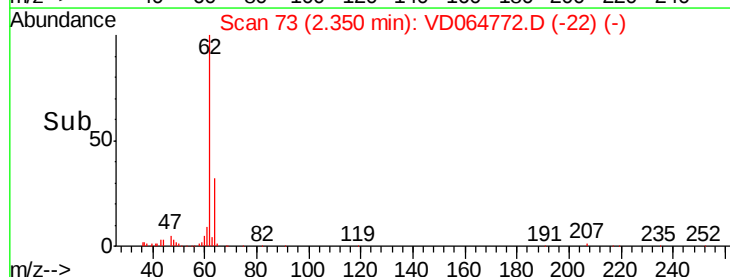
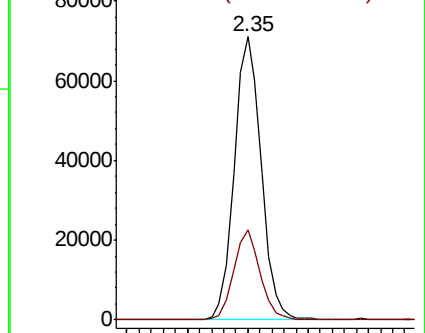
62 100

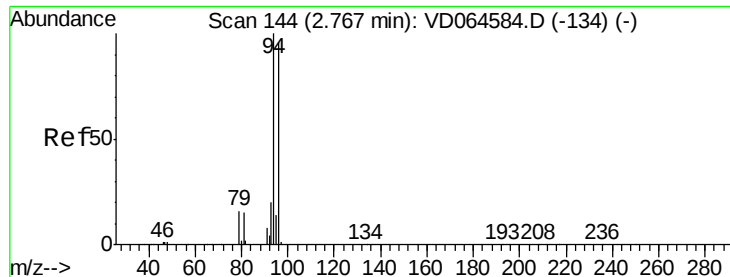
64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.970 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

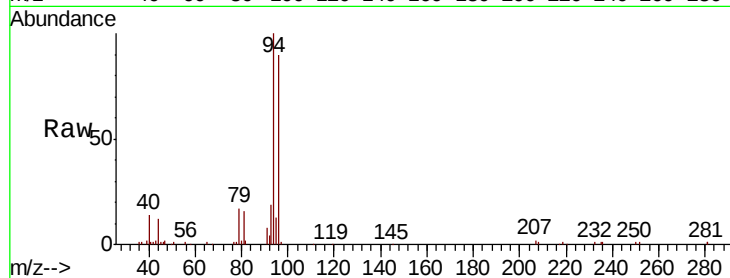
ClientSampleId :

Tot Ion: 94 Resp: 79613

Ion Ratio Lower Upper

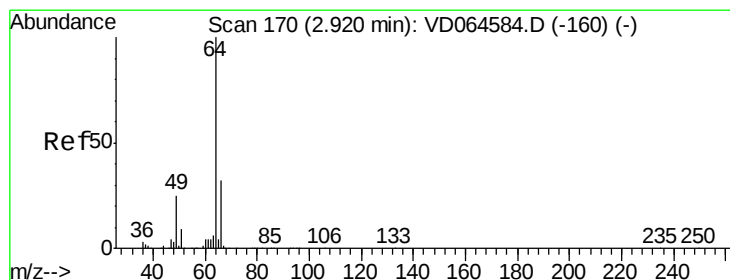
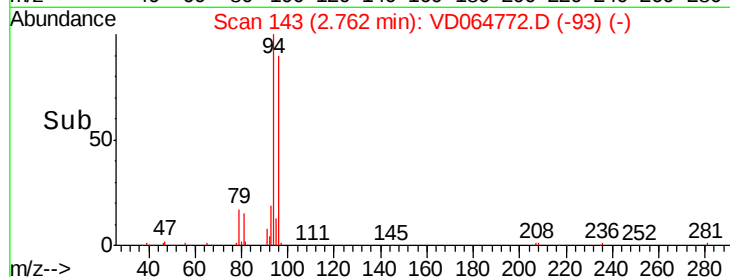
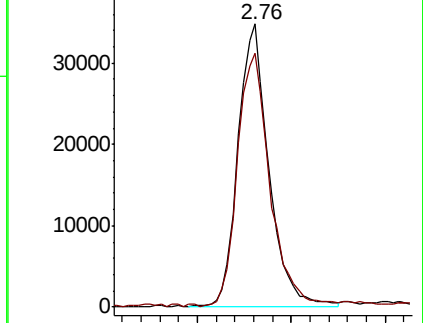
94 100

96 88.9 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: 21.490 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064772.D

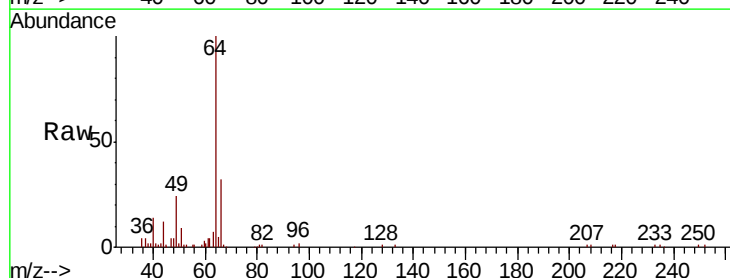
Acq: 06 Jan 2020 14:48

Tgt Ion: 64 Resp: 75189

Ion Ratio Lower Upper

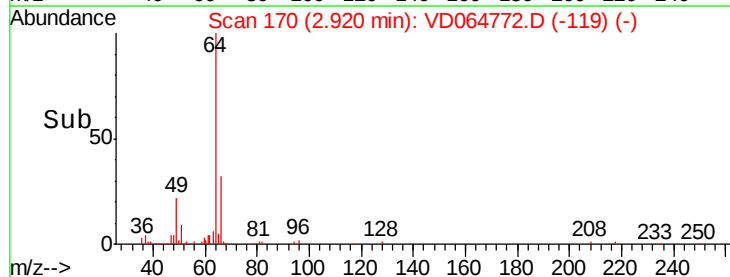
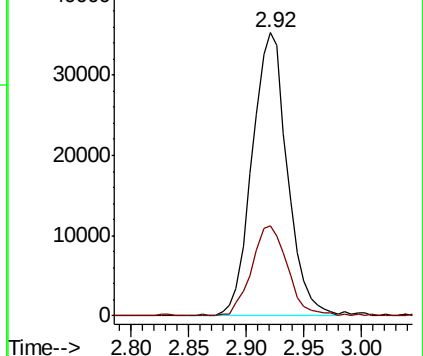
64 100

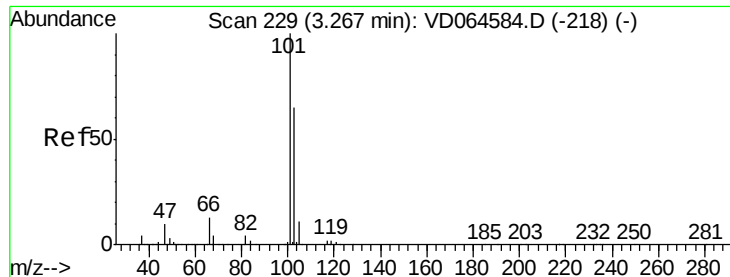
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



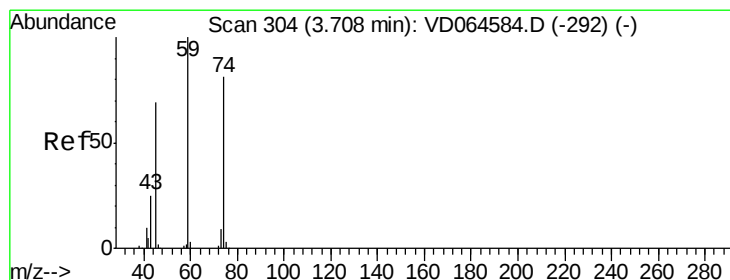
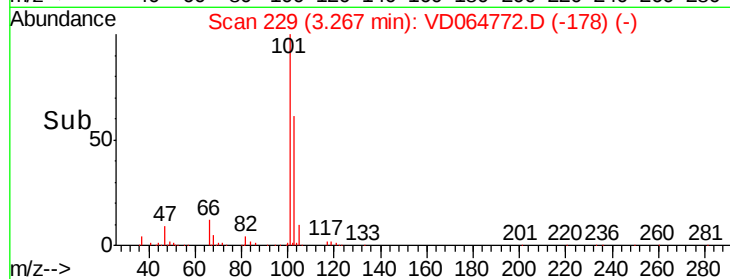
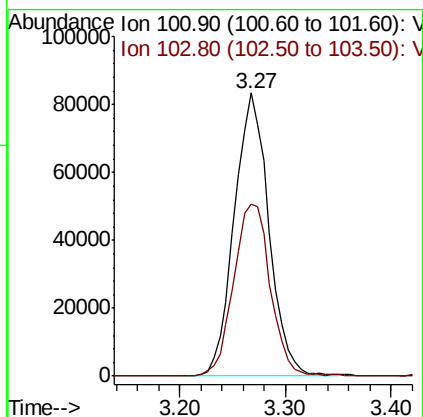
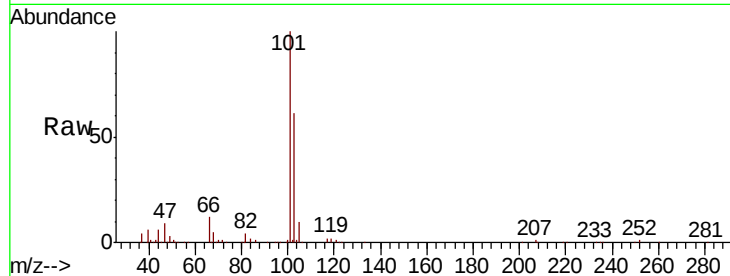


#7

Trichlorofluoromethane
 Concen: 21.555 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Instrument :
 MSVOA_D
 ClientSampled :

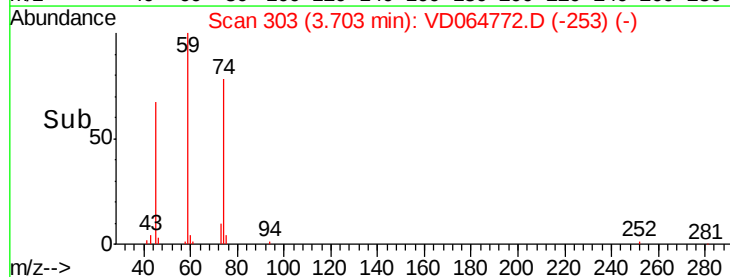
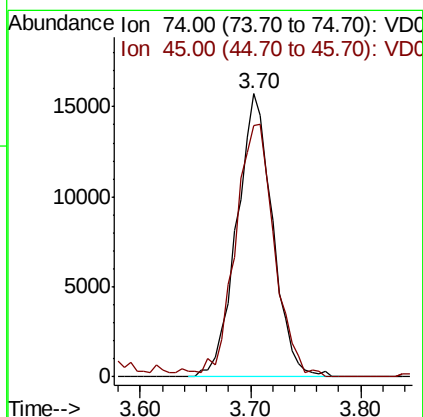
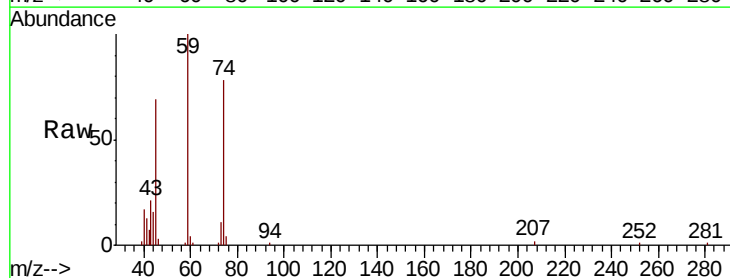
Tot Ion:101 Resp: 189514
 Ion Ratio Lower Upper
 101 100
 103 60.6 52.2 78.4

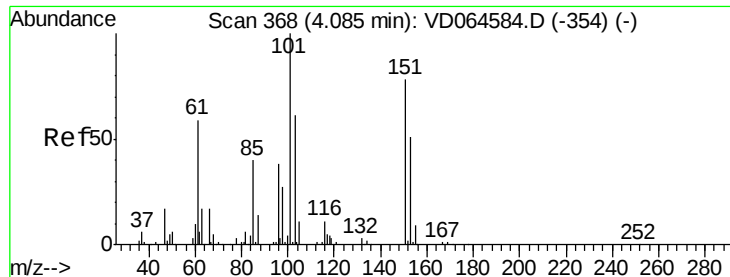


#8

Diethyl Ether
 Concen: 20.455 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 74 Resp: 35712
 Ion Ratio Lower Upper
 74 100
 45 97.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.856 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

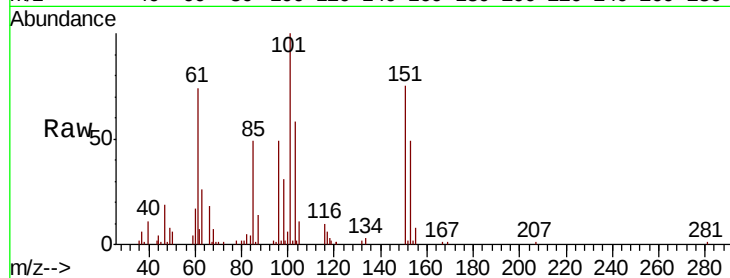
Tot Ion:101 Resp: 79581

Ion Ratio Lower Upper

101 100

85 46.5 35.2 52.8

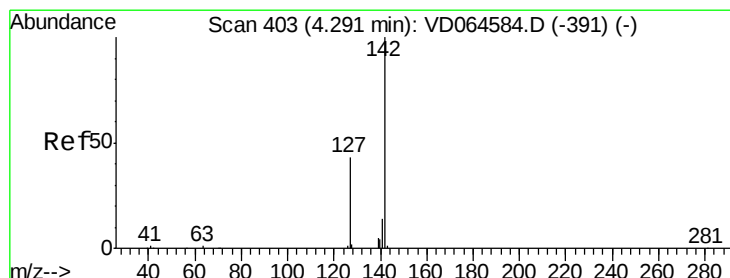
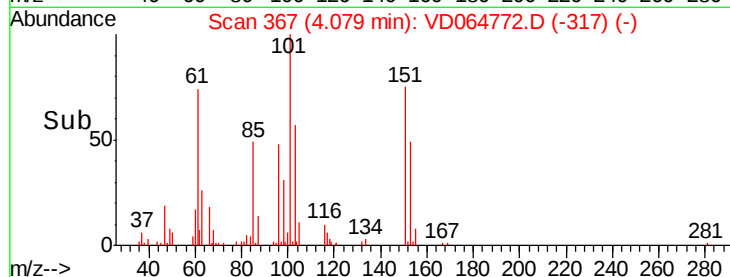
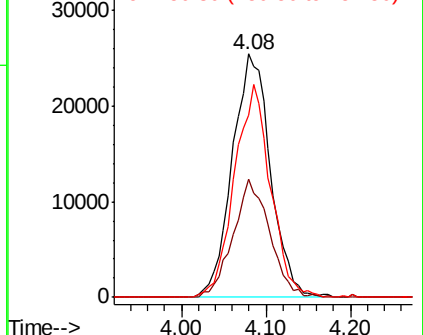
151 82.6 66.2 99.4



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: 20.040 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

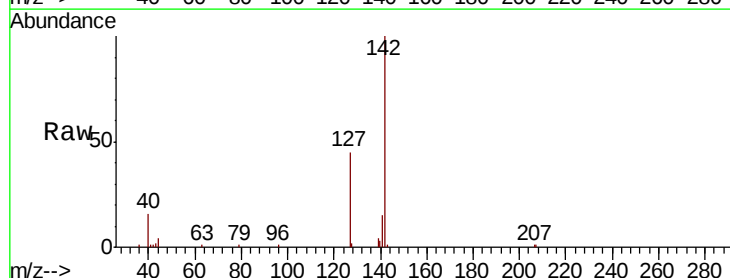
Tgt Ion:142 Resp: 78379

Ion Ratio Lower Upper

142 100

127 44.3 36.2 54.4

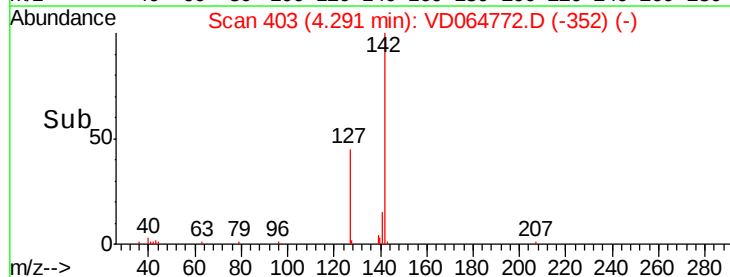
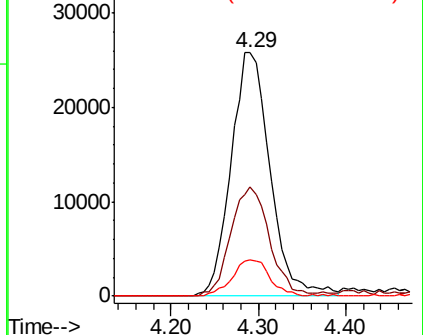
141 14.2 11.8 17.8

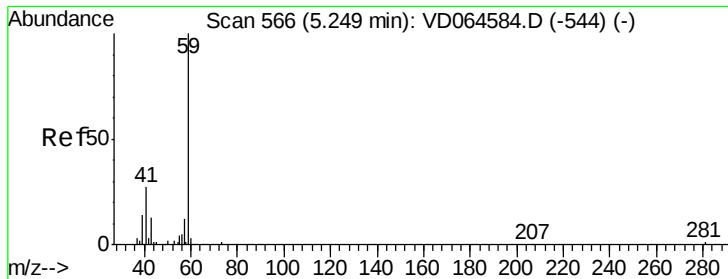


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



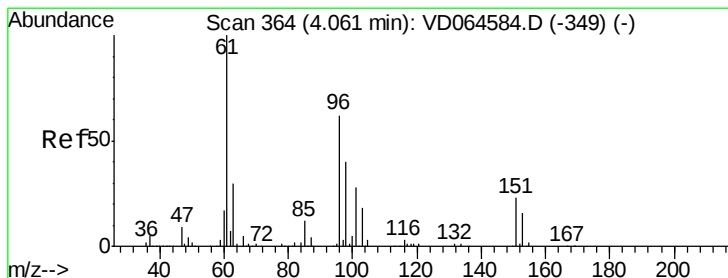
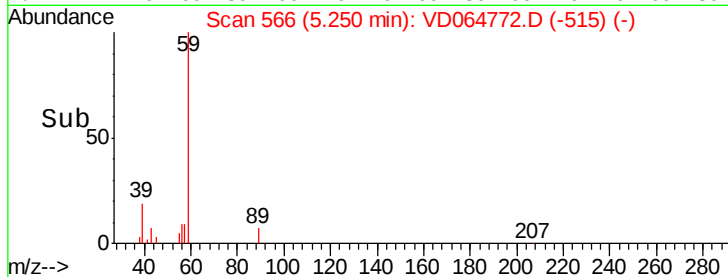
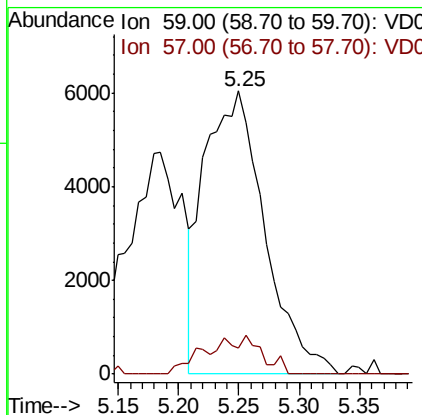
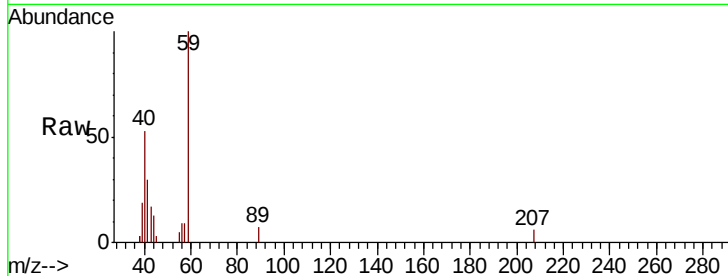


#11

Tert butyl alcohol
 Concen: 105.168 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Instrument :
 MSVOA_D
 ClientSampled :

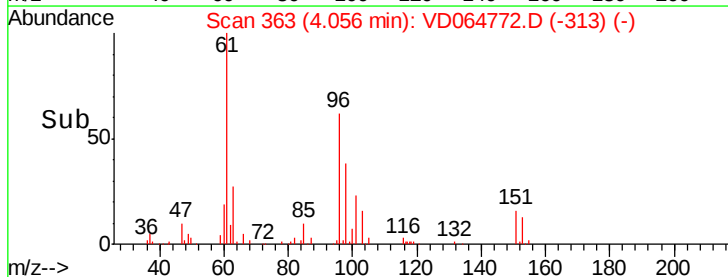
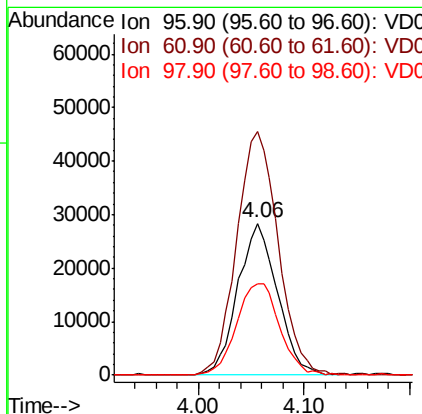
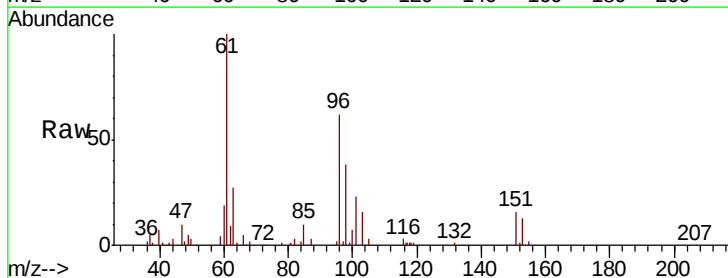
Tot Ion: 59 Resp: 20941
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

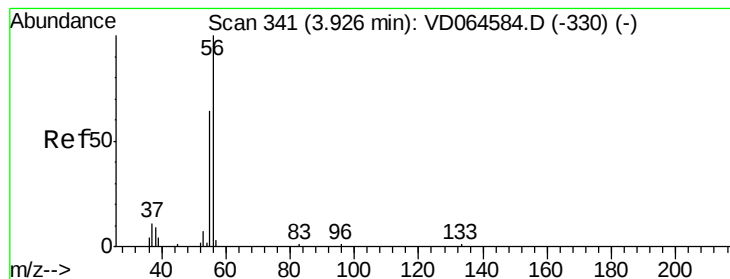


#12

1,1-Dichloroethene
 Concen: 21.260 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 96 Resp: 73697
 Ion Ratio Lower Upper
 96 100
 61 160.5 129.4 194.0
 98 60.5 51.4 77.0





#13

Acrolein

Concen: 82.060 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

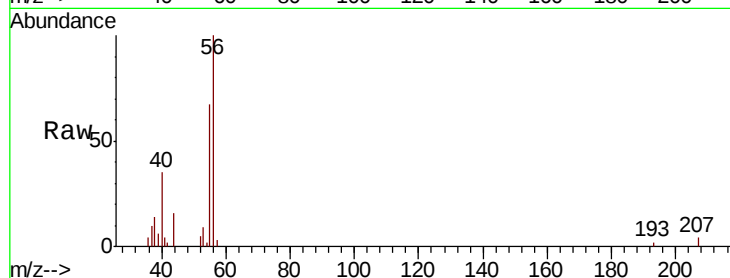
ClientSampleId :

Tot Ion: 56 Resp: 22772

Ion Ratio Lower Upper

56 100

55 69.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

10000

8000

6000

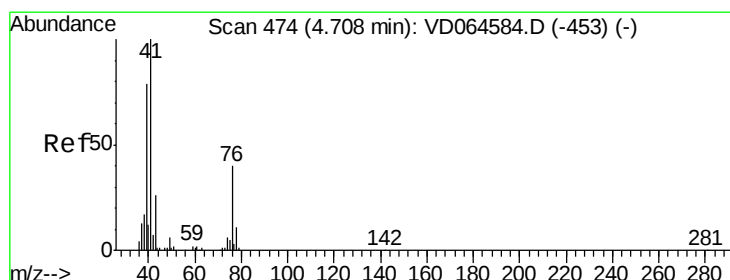
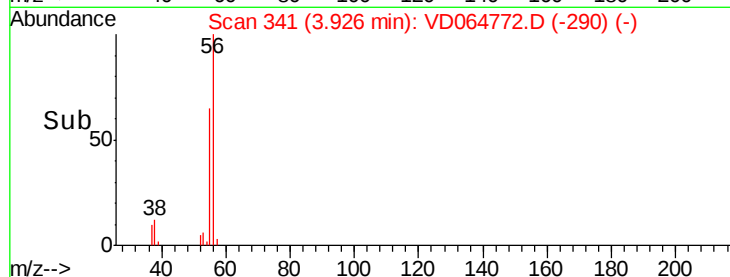
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.920 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

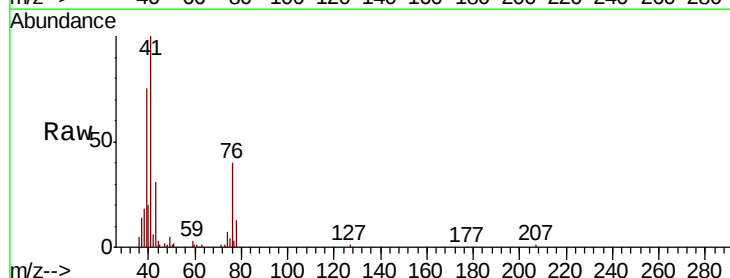
Tgt Ion: 41 Resp: 118474

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 38.3 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

4.71

50000

40000

30000

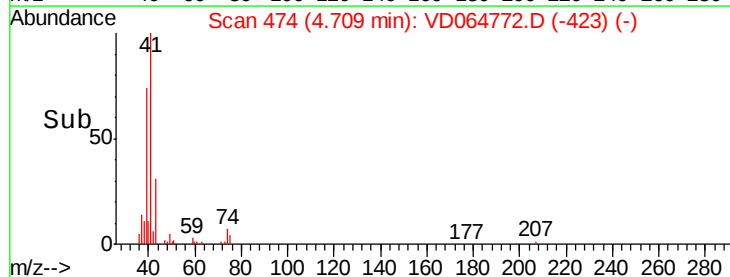
20000

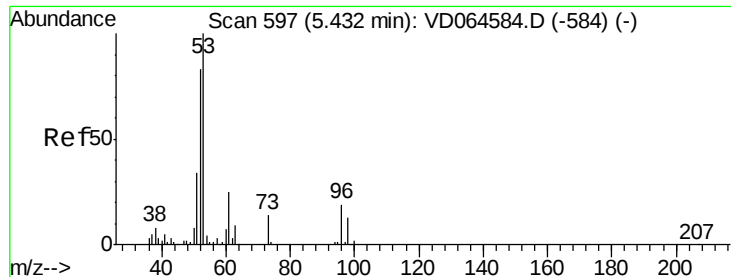
10000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 106.653 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :
MSVOA_D
ClientSampled :

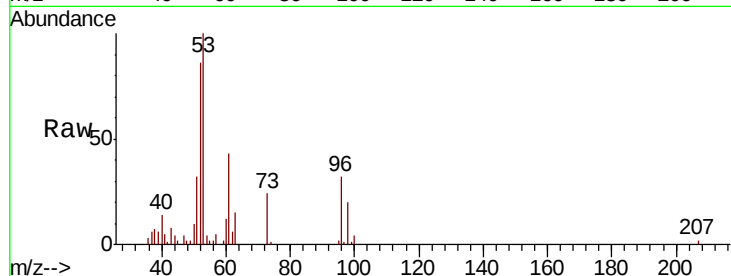
Tot Ion: 53 Resp: 77560

Ion Ratio Lower Upper

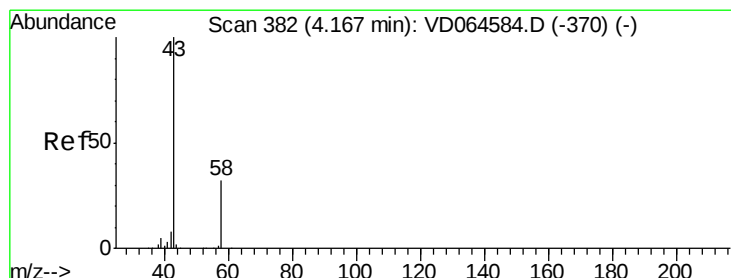
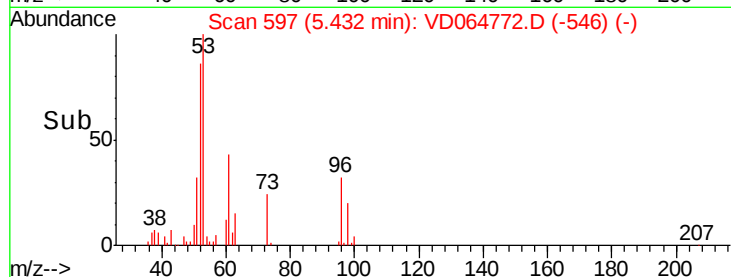
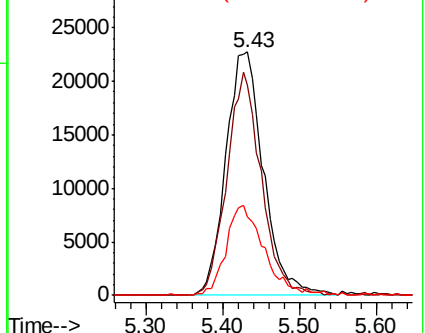
53 100

52 83.6 66.2 99.2

51 37.3 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: 104.692 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064772.D

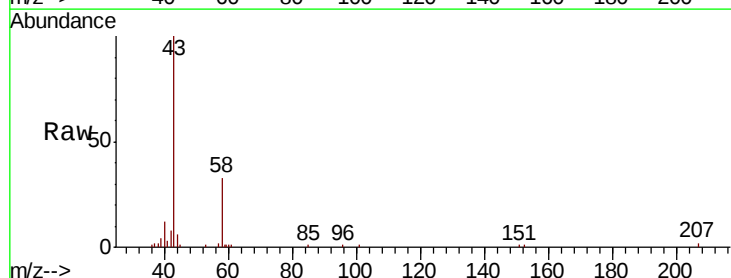
Acq: 06 Jan 2020 14:48

Tgt Ion: 43 Resp: 80112

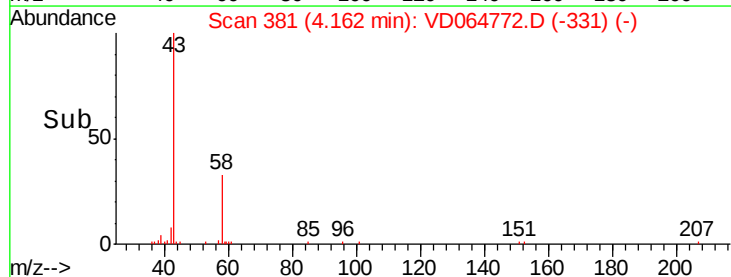
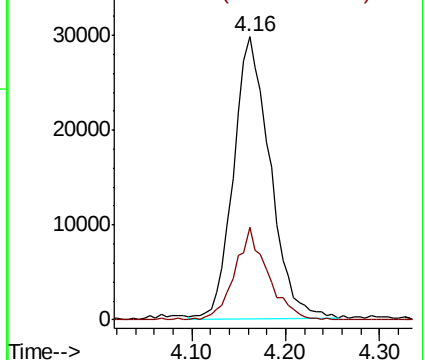
Ion Ratio Lower Upper

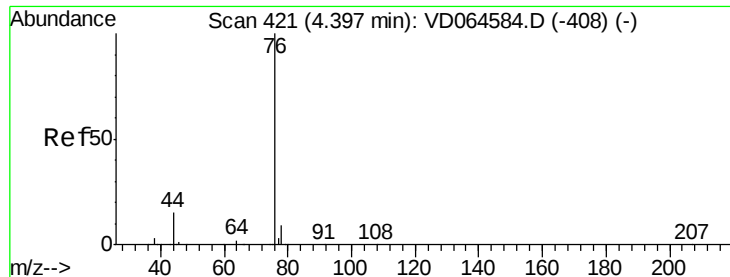
43 100

58 32.9 25.8 38.6



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

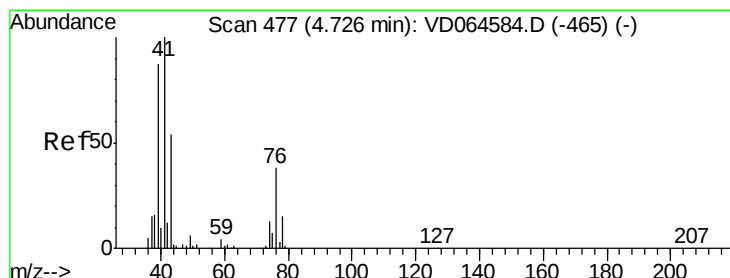
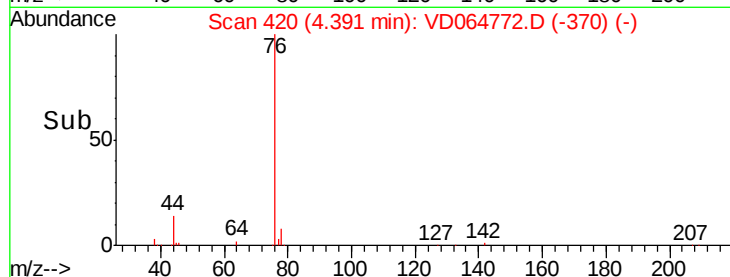
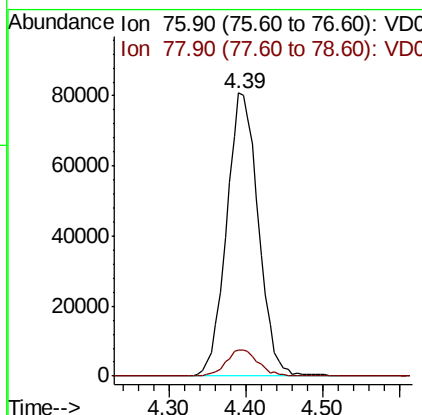
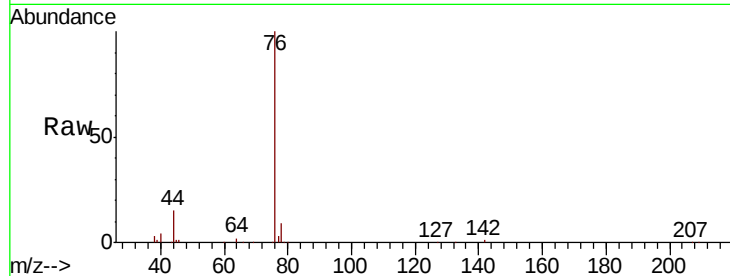




#17
Carbon Disulfide
Concen: 20.756 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

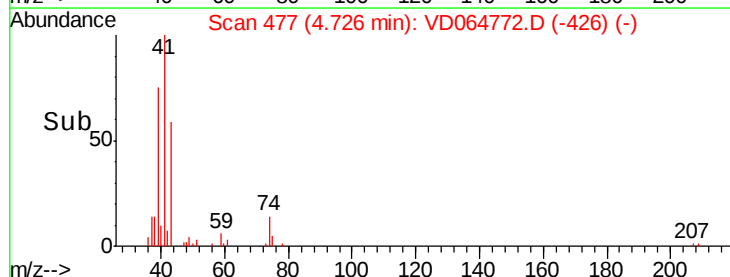
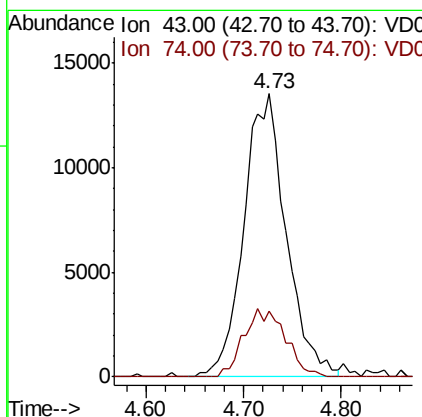
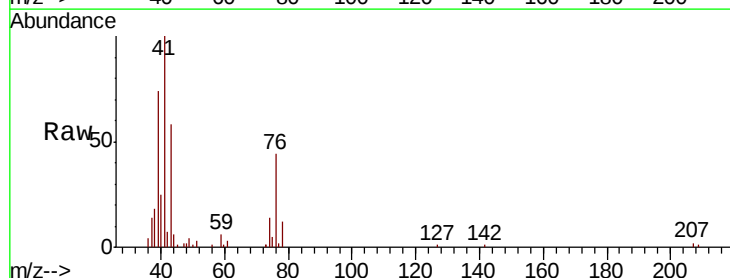
Instrument :
MSVOA_D
ClientSampleId :

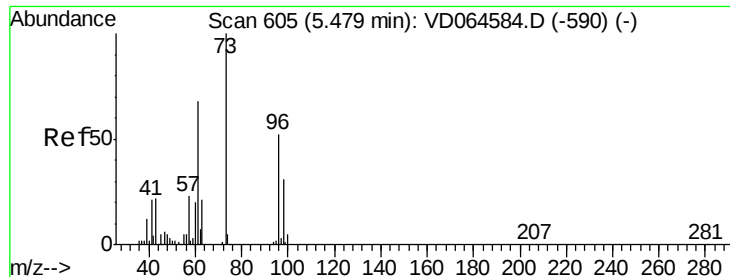
Tot Ion: 76 Resp: 232653
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 20.883 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 43 Resp: 40849
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



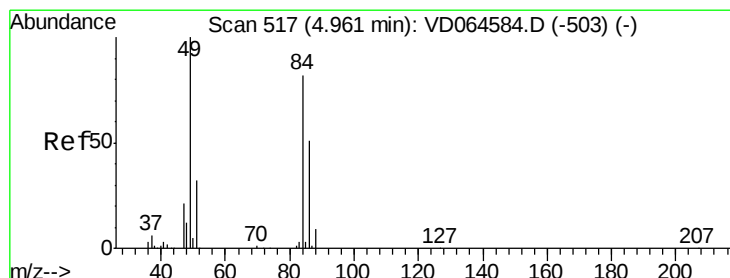
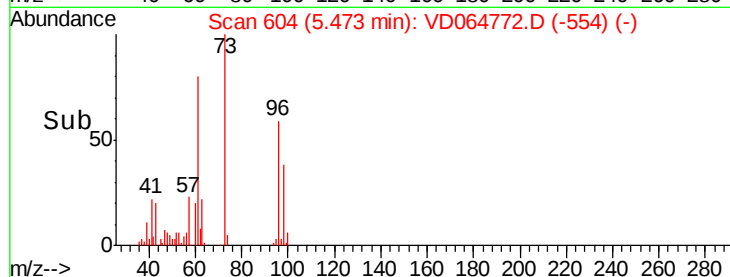
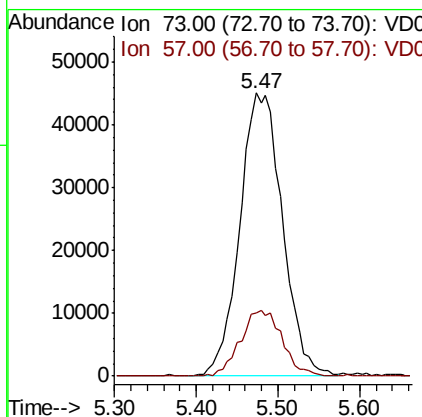
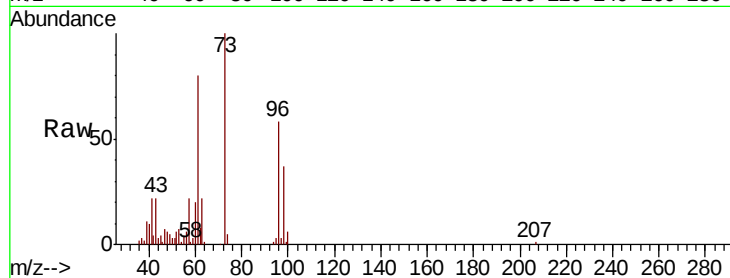


#19

Methyl tert-butyl Ether
 Concen: 21.141 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Instrument :
 MSVOA_D
 ClientSampled :

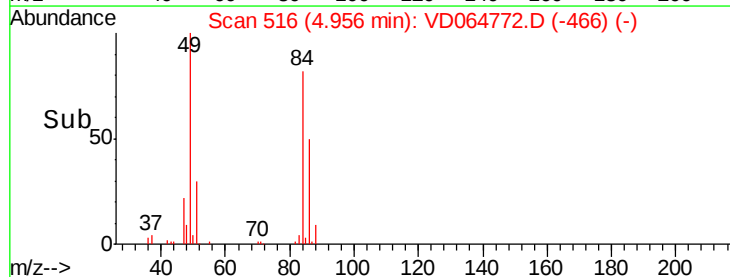
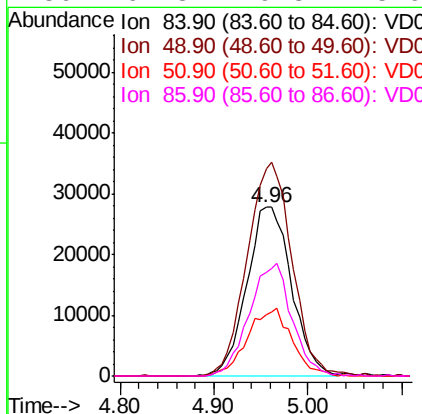
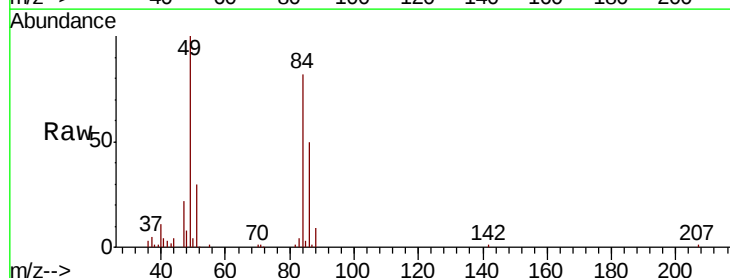
Tot Ion: 73 Resp: 162778
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.6 27.8

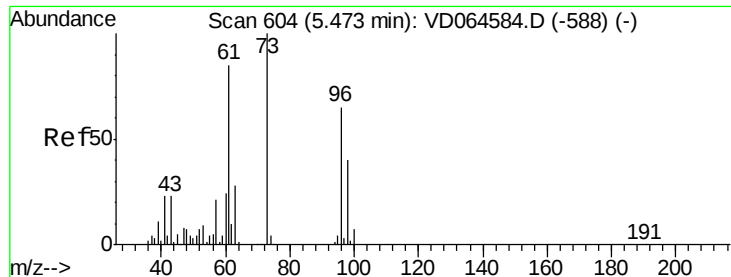


#20

Methylene Chloride
 Concen: 23.134 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 84 Resp: 91536
 Ion Ratio Lower Upper
 84 100
 49 122.5 97.2 145.8
 51 36.5 31.4 47.0
 86 61.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.117 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

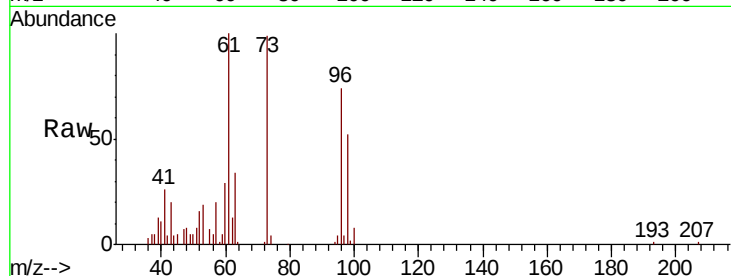
Tot Ion: 96 Resp: 83365

Ion Ratio Lower Upper

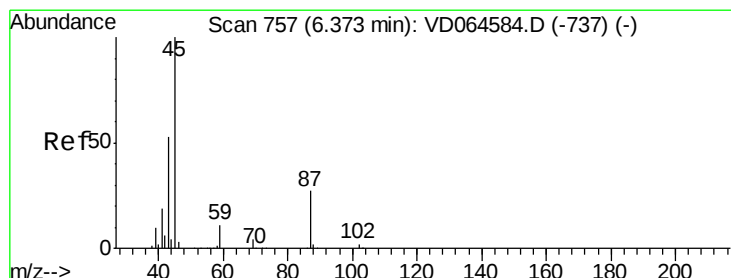
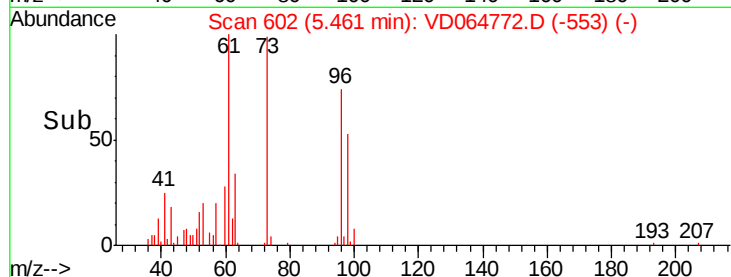
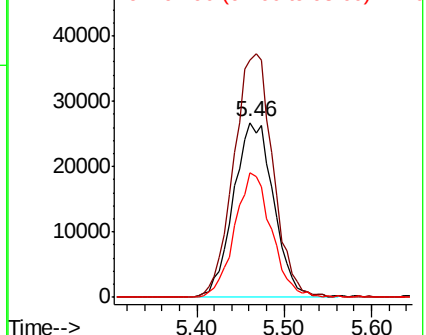
96 100

61 135.7 104.7 157.1

98 71.1 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: 21.538 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Tgt Ion: 45 Resp: 232185

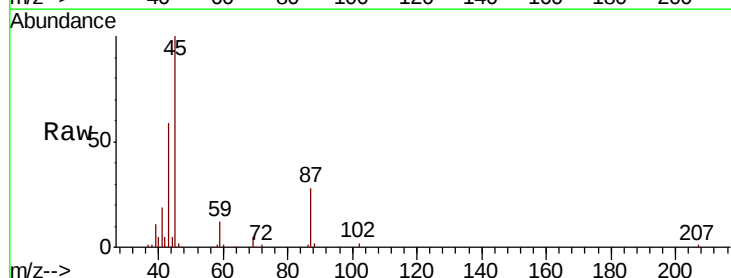
Ion Ratio Lower Upper

45 100

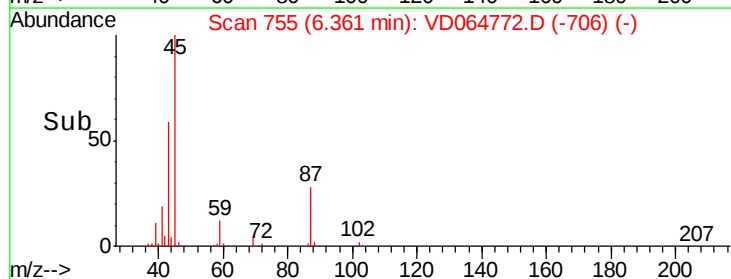
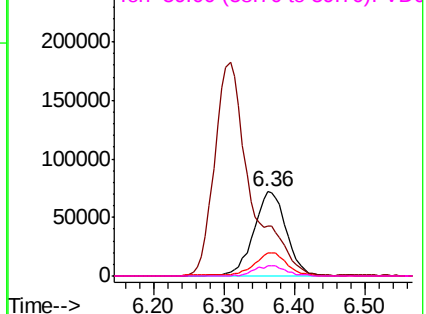
43 57.2 43.2 64.8

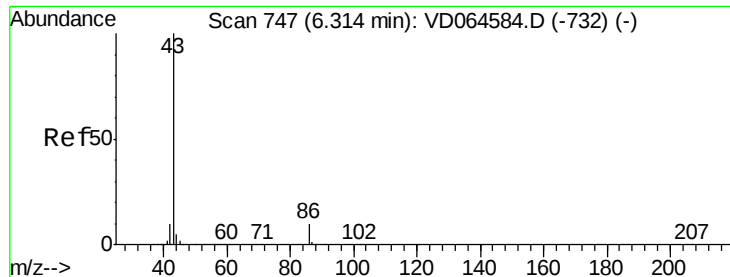
87 28.0 21.9 32.9

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: 105.208 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

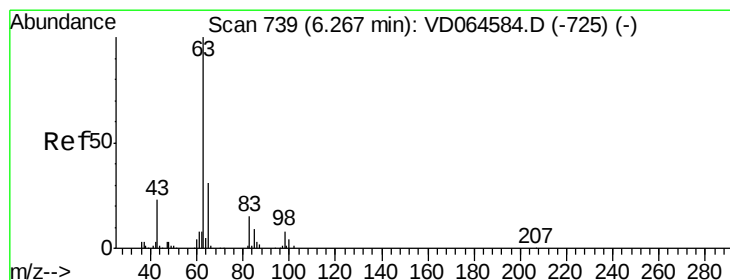
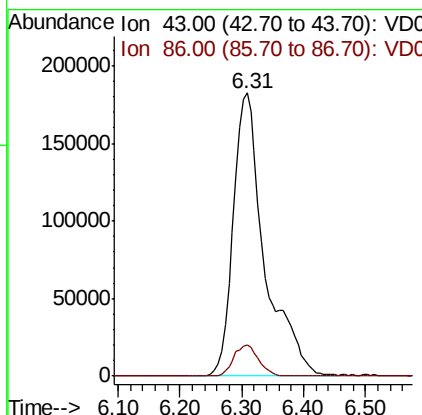
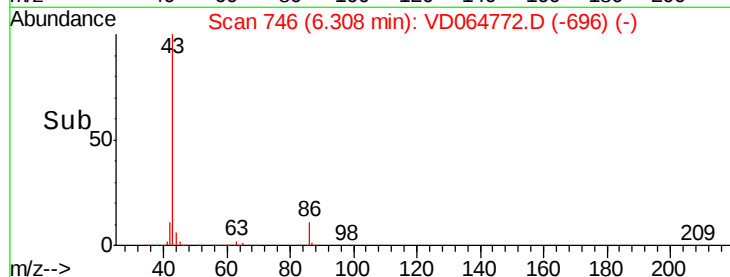
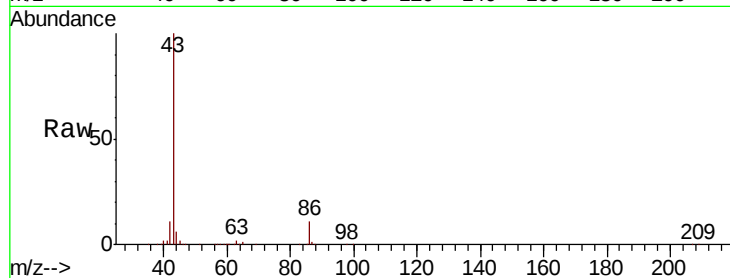
ClientSampleId :

Tot Ion: 43 Resp: 643369

Ion Ratio Lower Upper

43 100

86 11.0 8.3 12.5



#24

1,1-Dichloroethane

Concen: 22.342 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

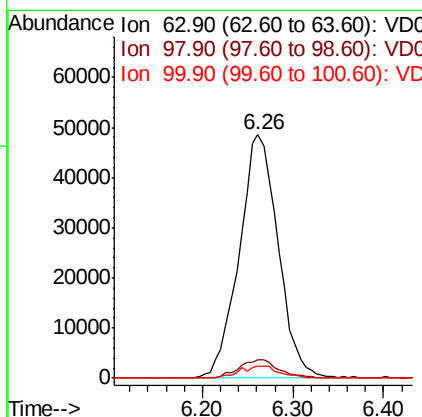
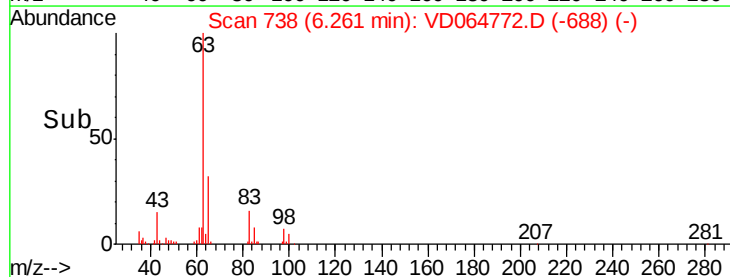
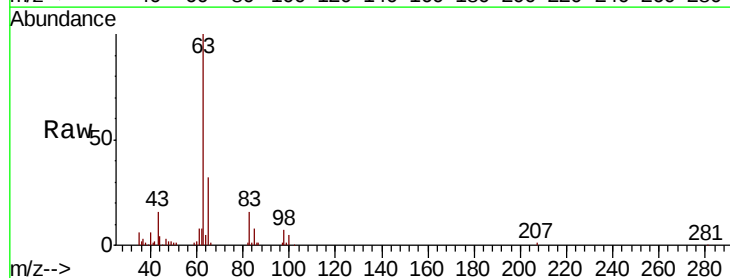
Tgt Ion: 63 Resp: 144591

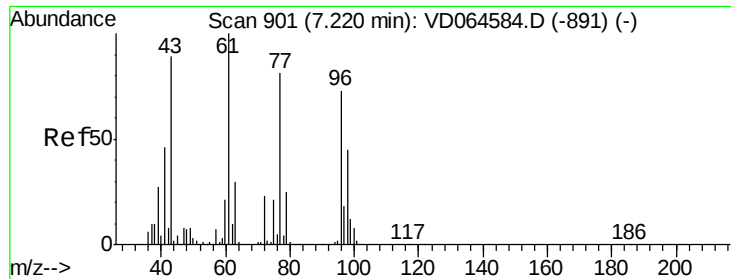
Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

100 4.9 2.2 6.6





#25

2-Butanone

Concen: 105.678 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

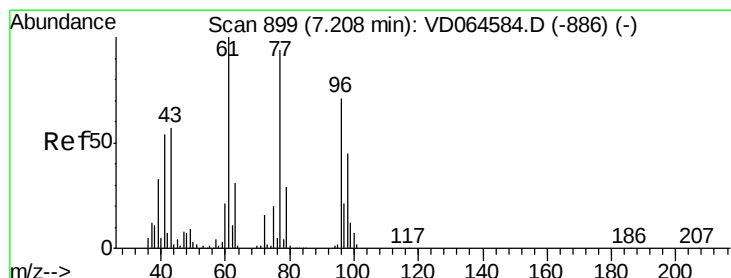
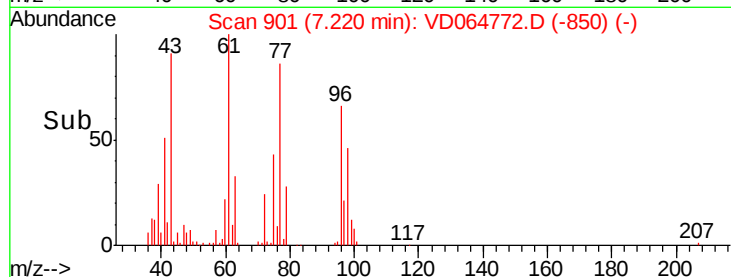
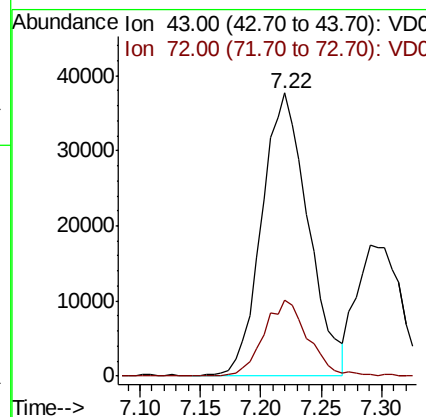
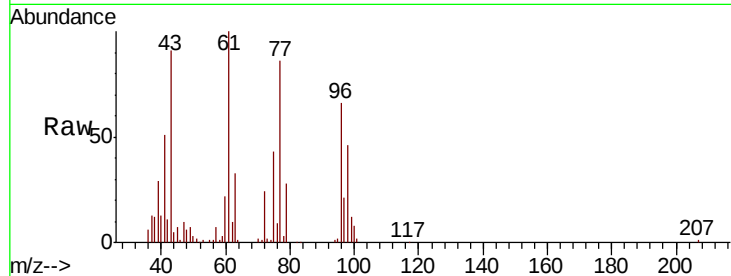
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 100926

Ion Ratio Lower Upper

43 100

72 26.9 20.7 31.1



#26

2,2-Dichloropropane

Concen: 21.979 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064772.D

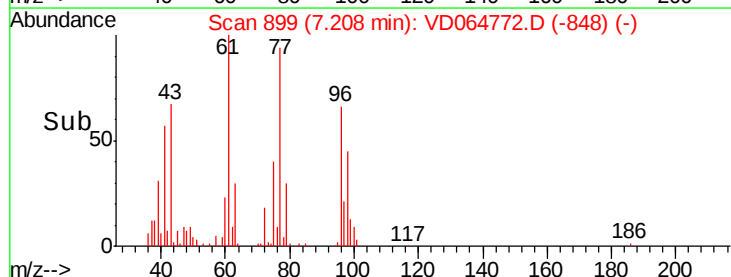
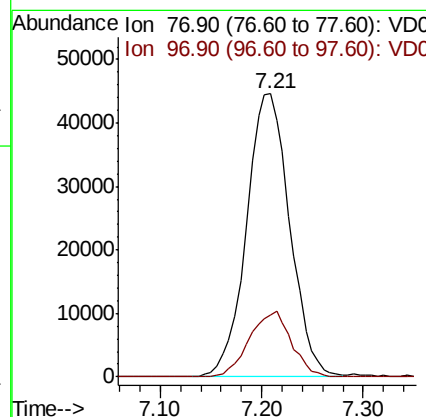
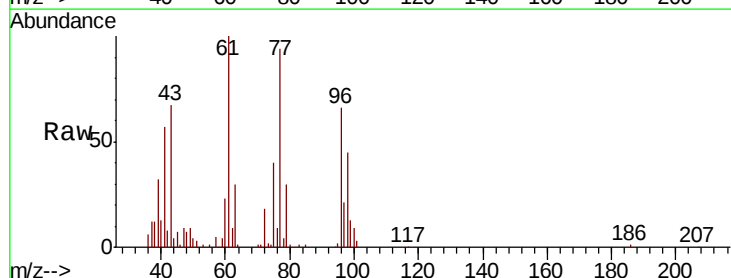
Acq: 06 Jan 2020 14:48

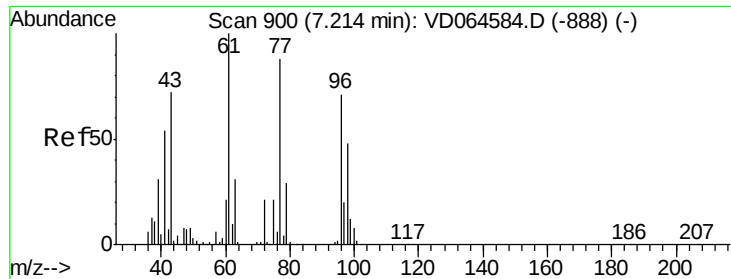
Tgt Ion: 77 Resp: 132251

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6



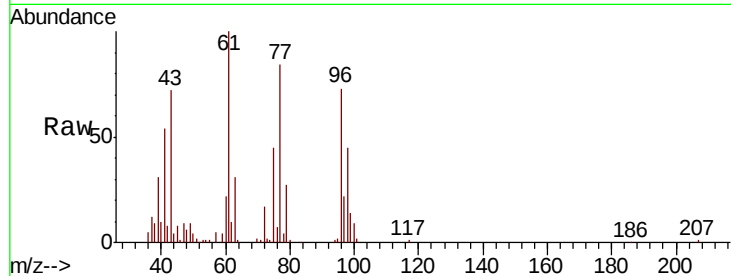


#27

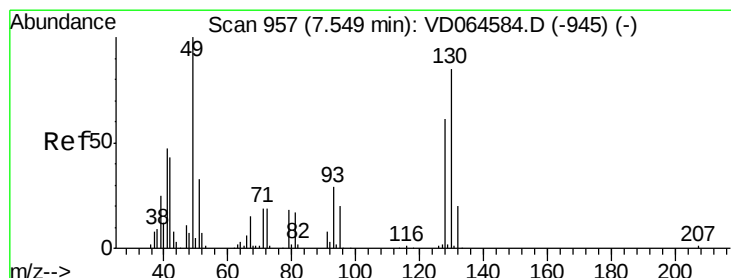
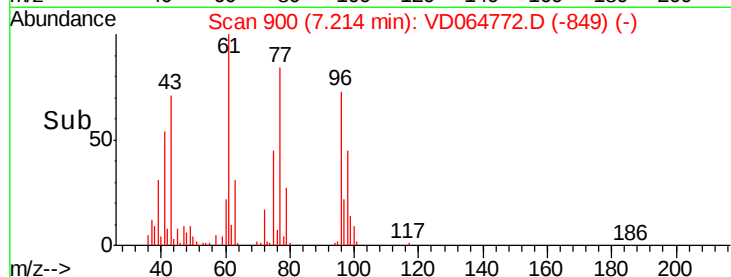
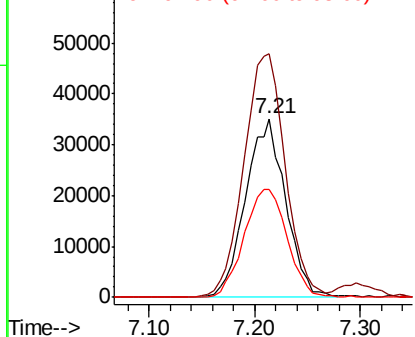
cis-1,2-Dichloroethene
Concen: 21.590 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 91985
Ion Ratio Lower Upper
96 100
61 141.8 0.0 282.6
98 65.1 0.0 130.8



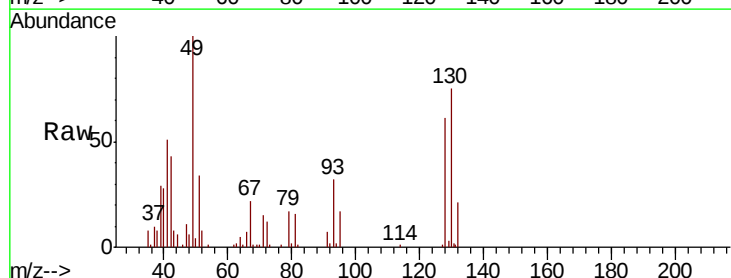
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



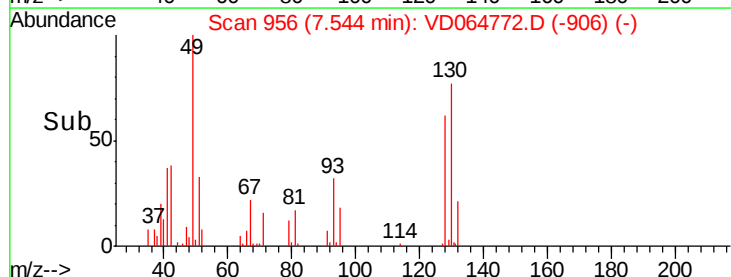
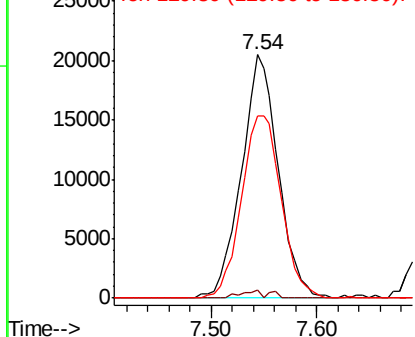
#28

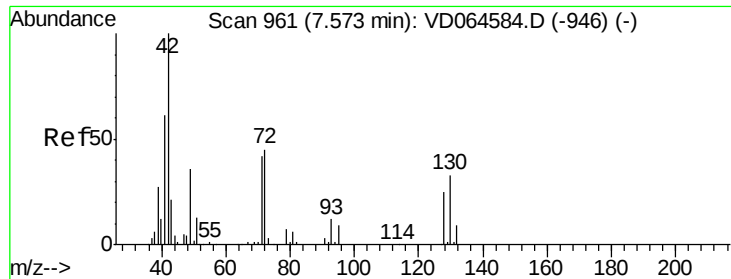
Bromochloromethane
Concen: 19.700 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 49 Resp: 49561
Ion Ratio Lower Upper
49 100
129 1.6 0.0 4.8
130 80.9 65.0 97.6



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

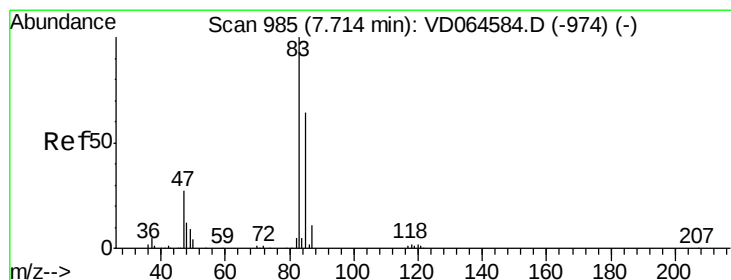
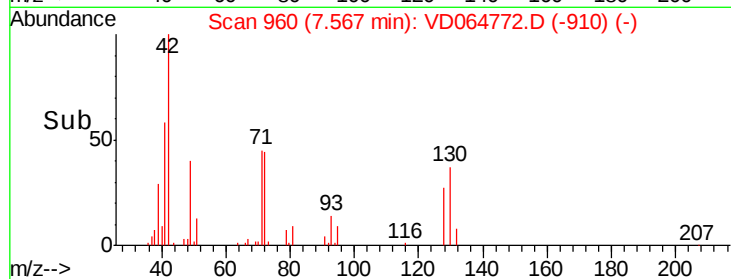
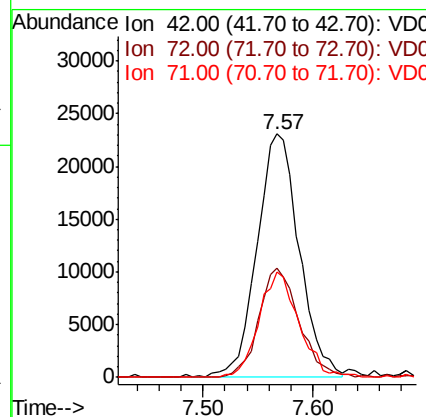
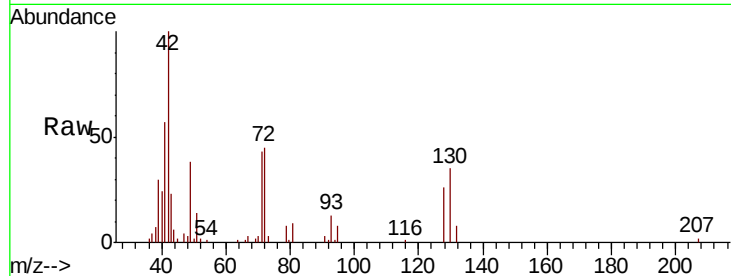




#29
Tetrahydrofuran
Concen: 103.788 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

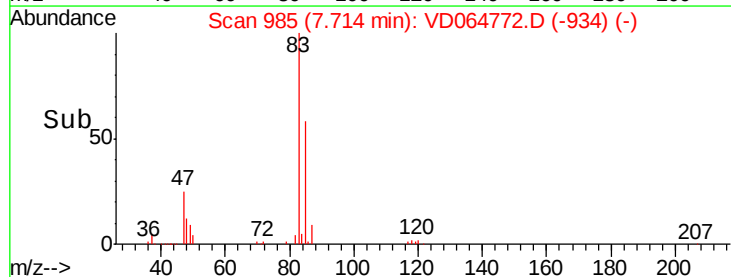
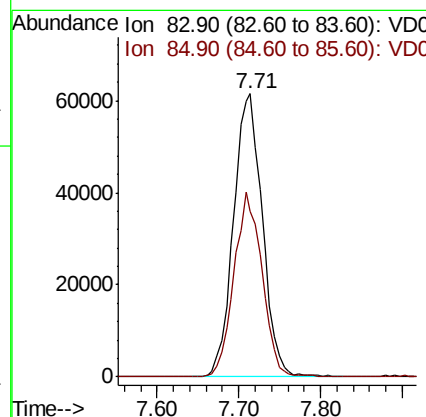
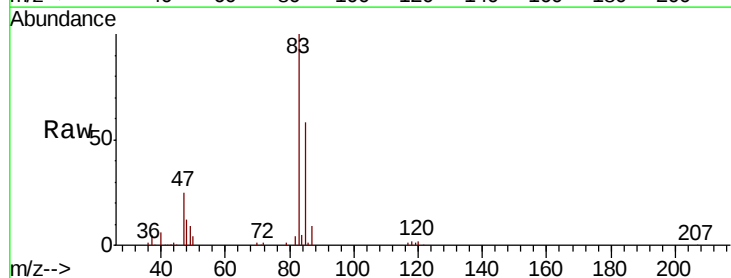
Instrument :
MSVOA_D
ClientSampled :

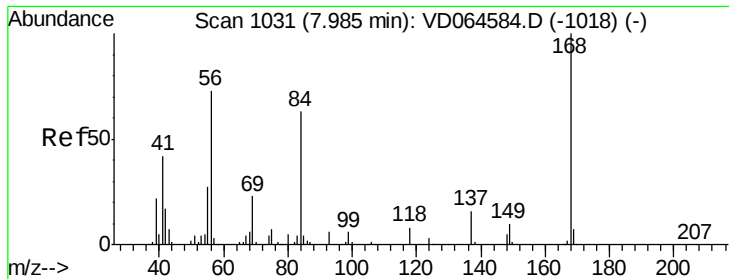
Tot Ion: 42 Resp: 61641
Ion Ratio Lower Upper
42 100
72 42.7 35.0 52.4
71 41.1 32.9 49.3



#30
Chloroform
Concen: 22.223 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 83 Resp: 150894
Ion Ratio Lower Upper
83 100
85 58.5 51.1 76.7

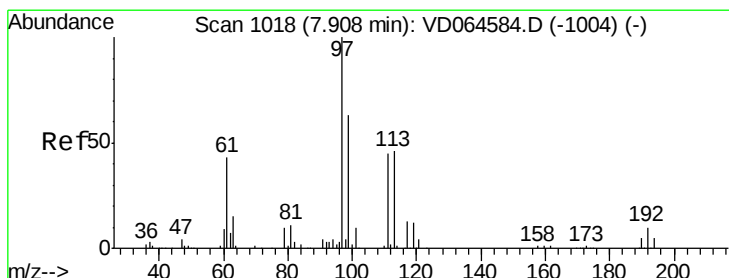
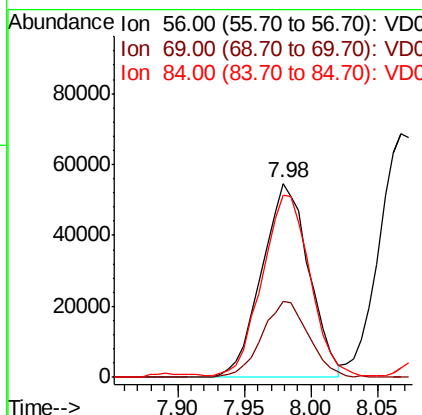
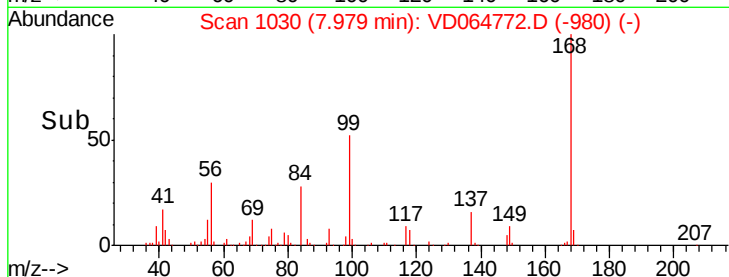
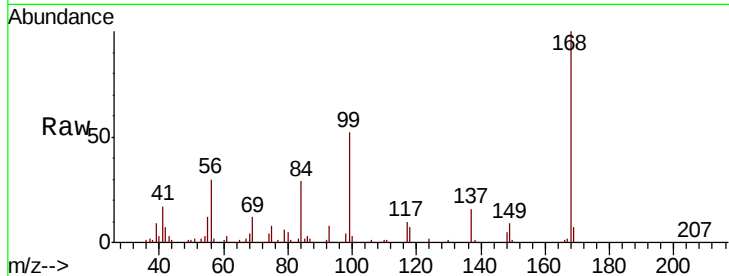




#31
Cyclohexane
Concen: 20.699 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

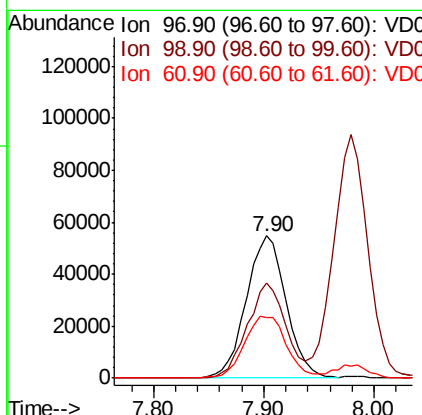
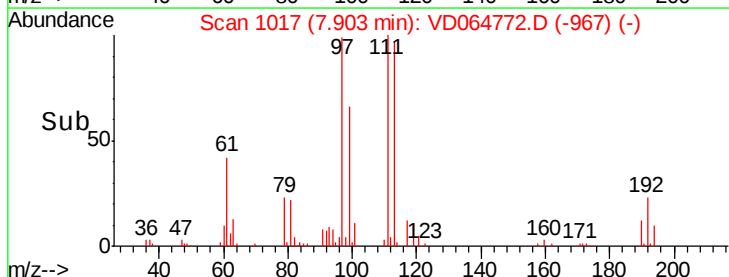
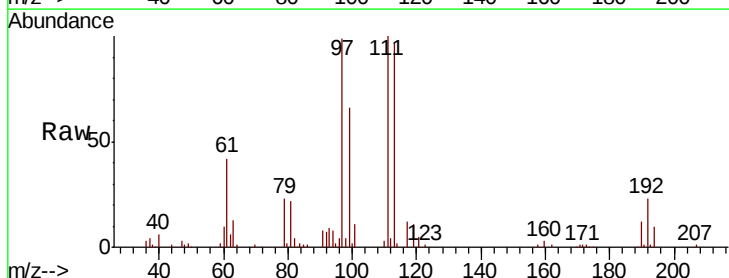
Instrument :
MSVOA_D
ClientSampled :

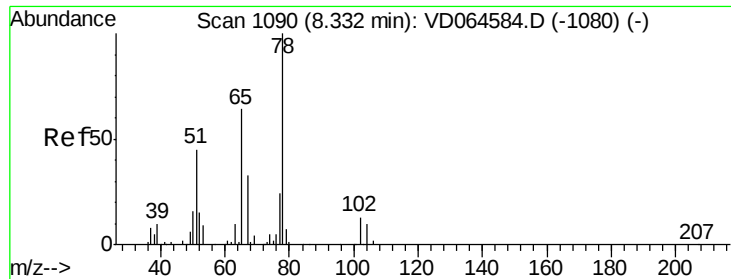
Tot Ion: 56 Resp: 134089
Ion Ratio Lower Upper
56 100
69 39.4 24.7 37.1#
84 92.2 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 21.713 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 97 Resp: 138474
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.6
61 45.5 35.4 53.0

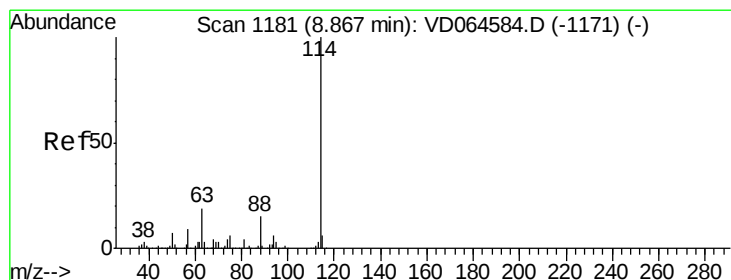
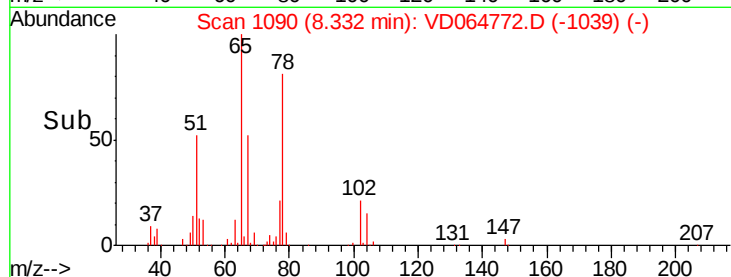
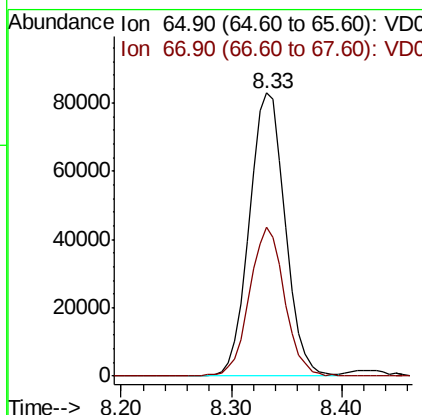
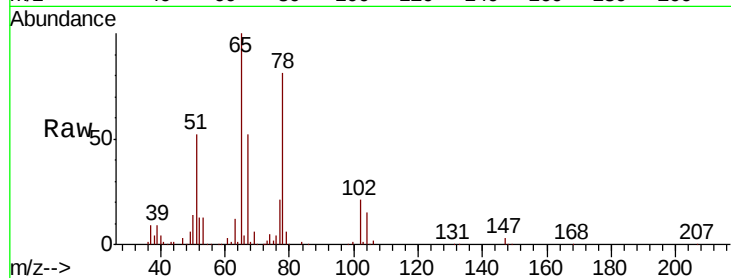




#33
 1,2-Dichloroethane-d4
 Concen: 54.372 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

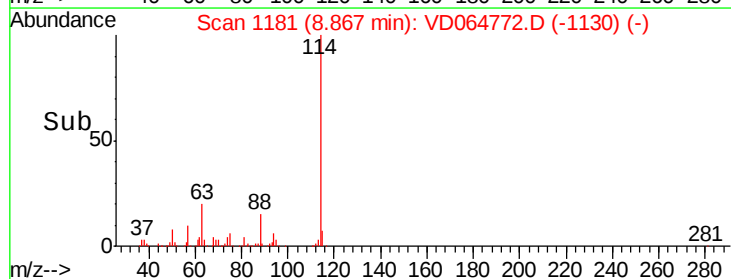
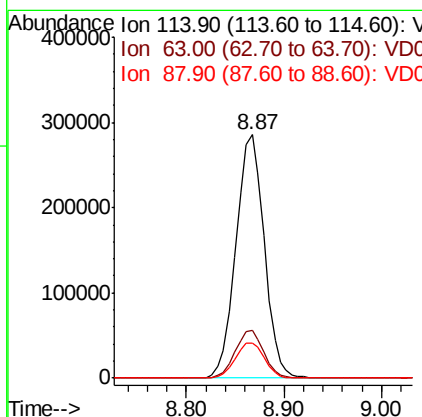
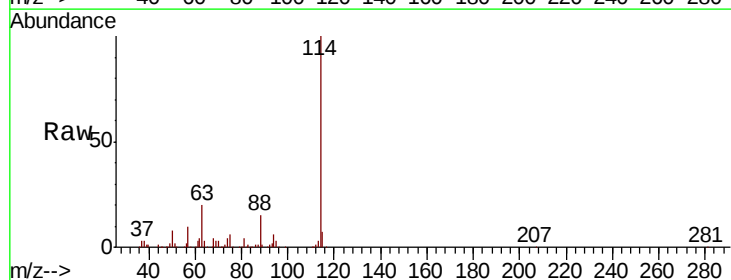
Instrument :
 MSVOA_D
 ClientSampled :

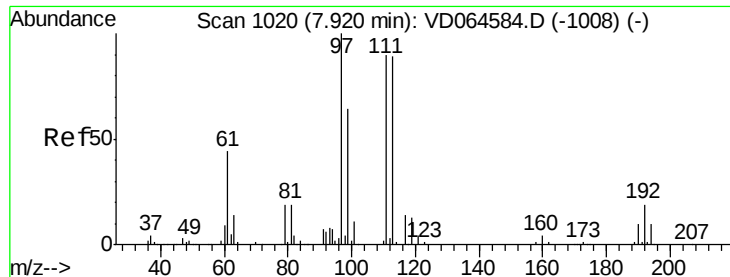
Tot Ion: 65 Resp: 188910
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 114 Resp: 576551
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 14.6 0.0 29.2

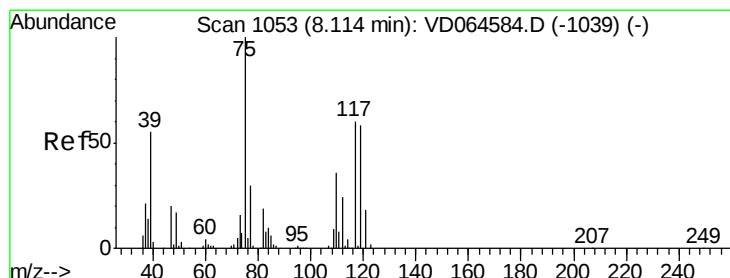
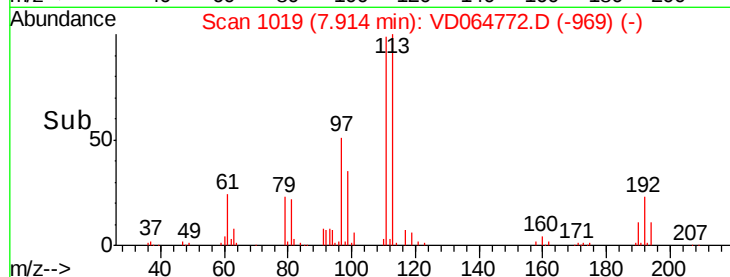
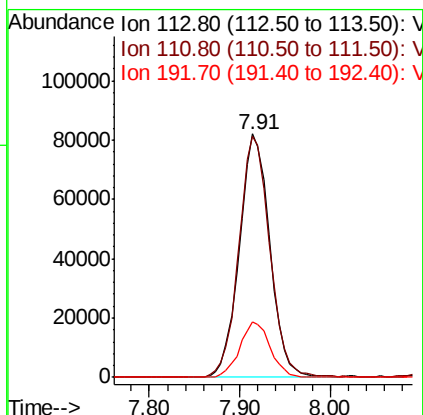
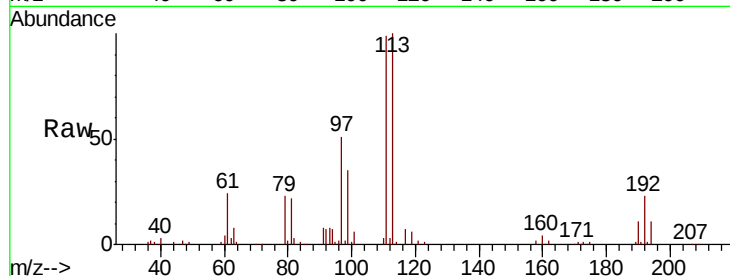




#35
 Dibromofluoromethane
 Concen: 54.173 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

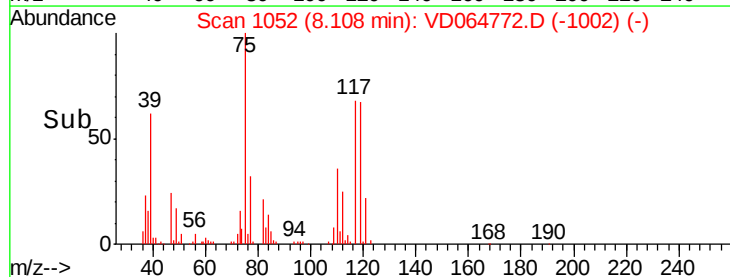
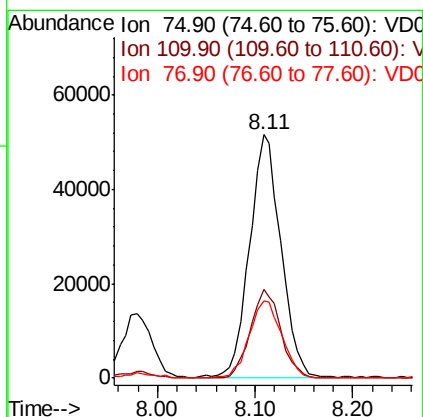
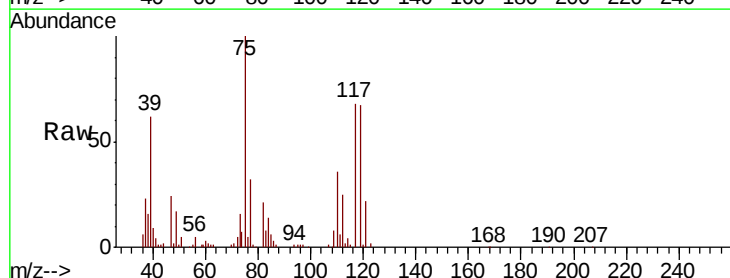
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 191622
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.6 121.0
 192 22.5 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 21.129 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 75 Resp: 117252
 Ion Ratio Lower Upper
 75 100
 110 35.0 18.1 54.1
 77 32.8 24.2 36.4

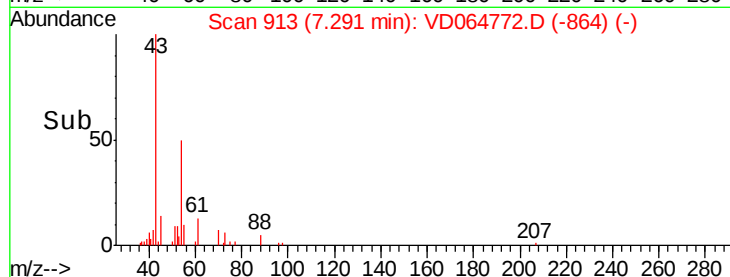
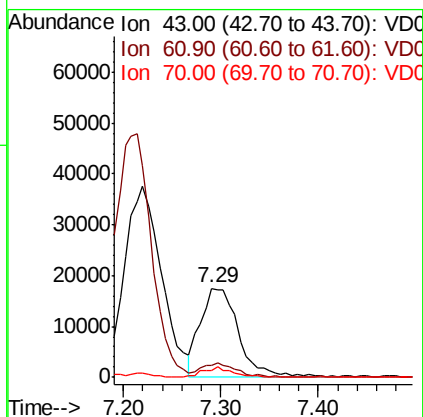
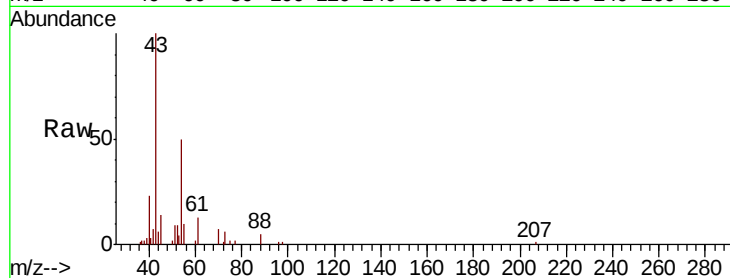




#37
Ethyl Acetate
Concen: 21.382 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

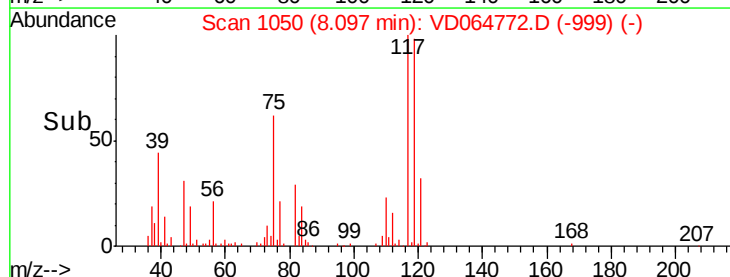
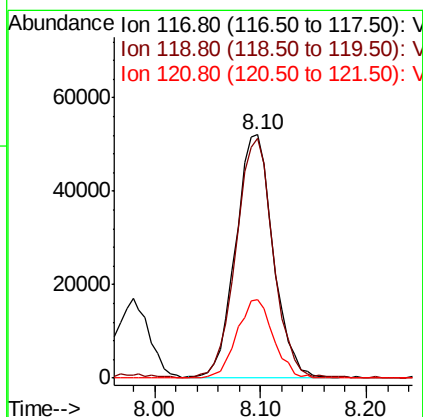
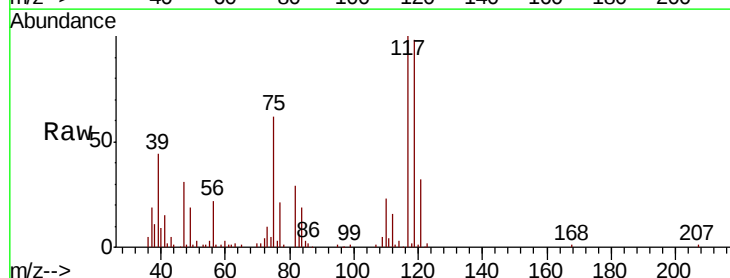
Instrument :
MSVOA_D
ClientSampleId :

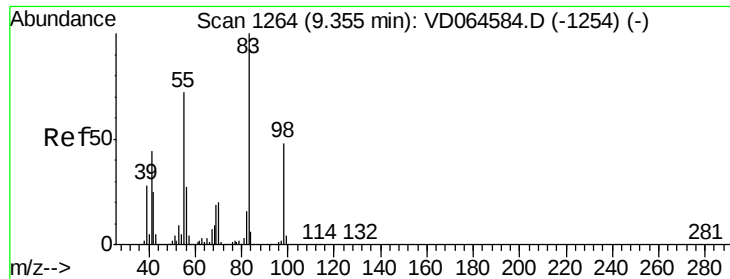
Tot Ion: 43 Resp: 46614
Ion Ratio Lower Upper
43 100
61 15.3 10.3 15.5
70 9.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.505 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 117 Resp: 127248
Ion Ratio Lower Upper
117 100
119 98.9 77.3 115.9
121 32.2 25.0 37.6

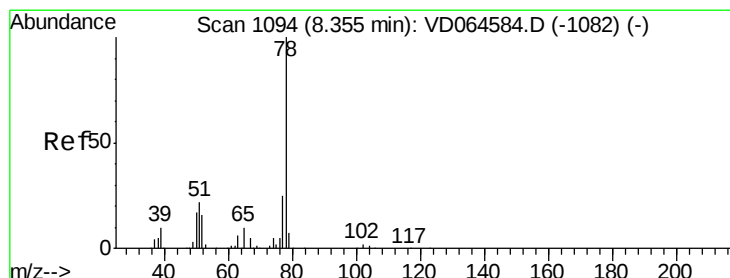
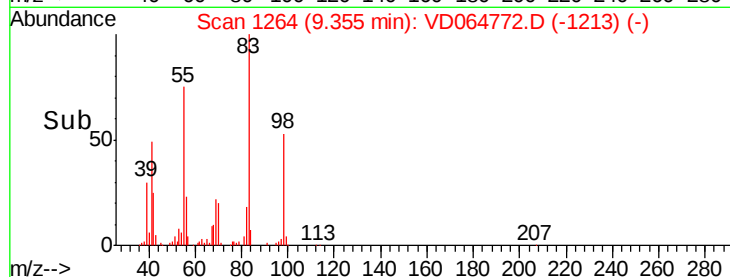
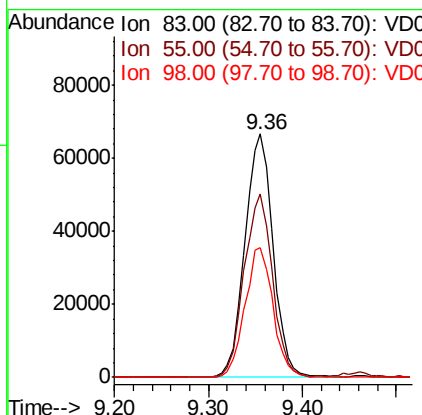
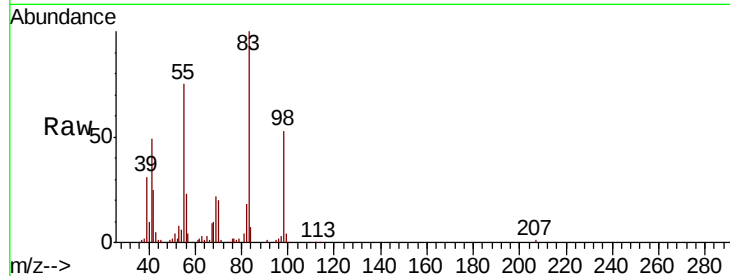




#39
Methvlcvclohexane
Concen: 20.549 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

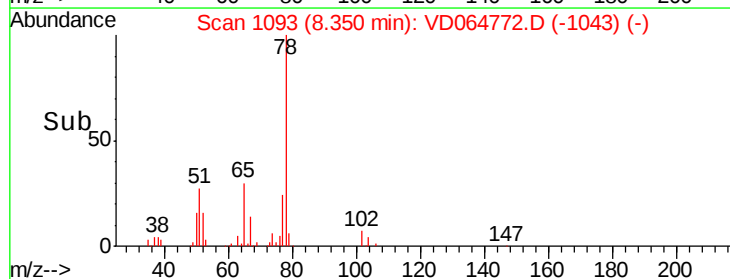
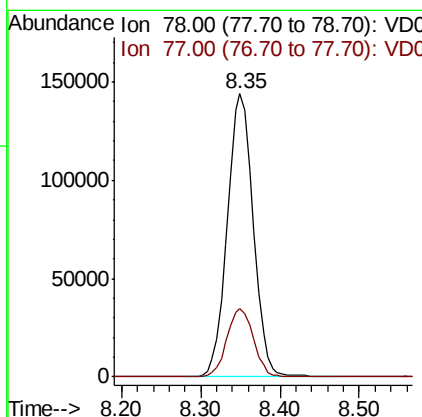
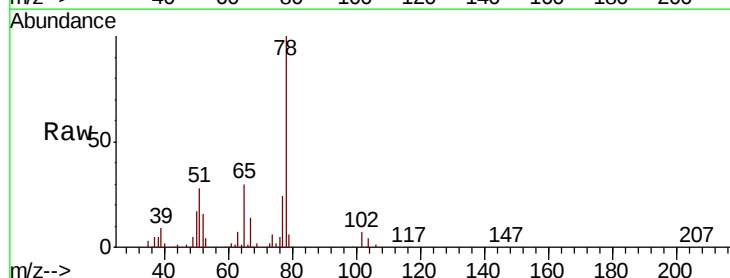
Instrument :
MSVOA_D
ClientSampleId :

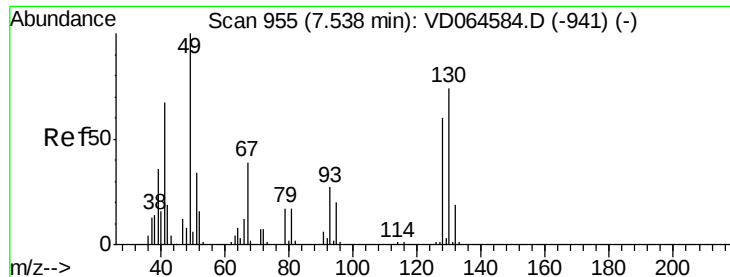
Tot Ion: 83 Resp: 138117
Ion Ratio Lower Upper
83 100
55 75.3 57.8 86.6
98 53.2 38.7 58.1



#40
Benzene
Concen: 21.539 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 78 Resp: 326299
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9

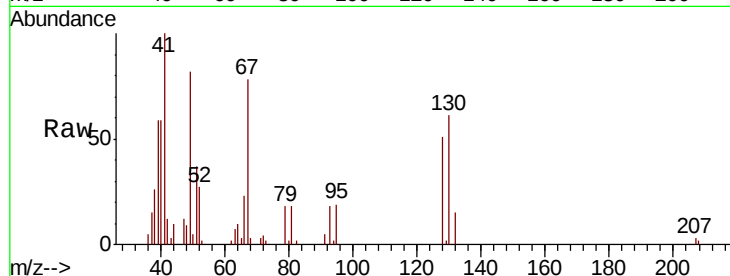




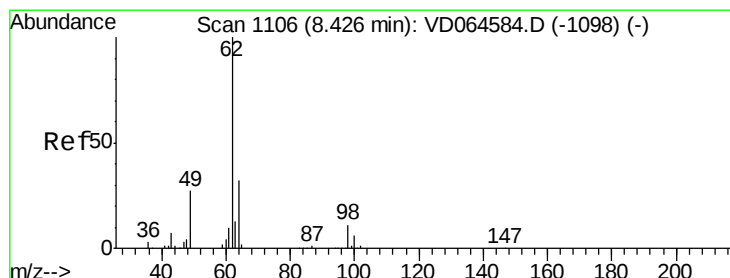
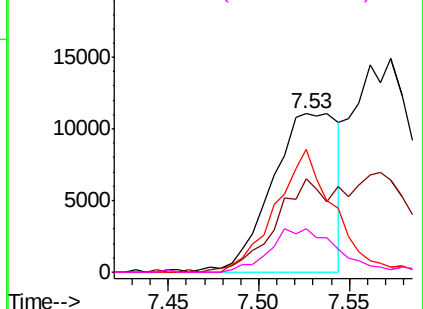
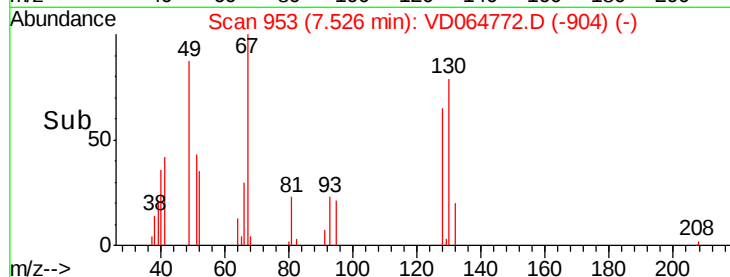
#41
Methacrylonitrile
Concen: 22.206 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 28087
Ion Ratio Lower Upper
41 100
39 45.1 46.7 70.1#
67 68.4 52.5 78.7
52 28.7 24.1 36.1

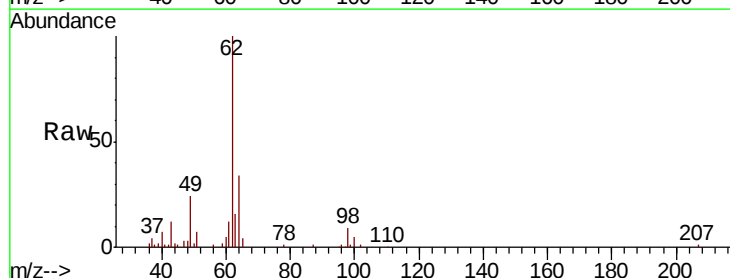


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

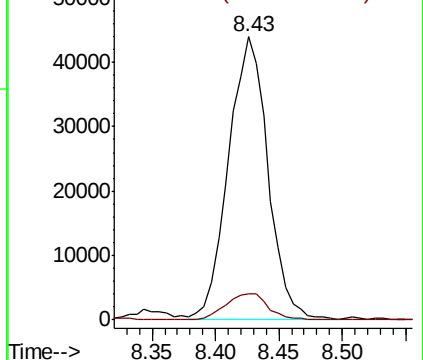
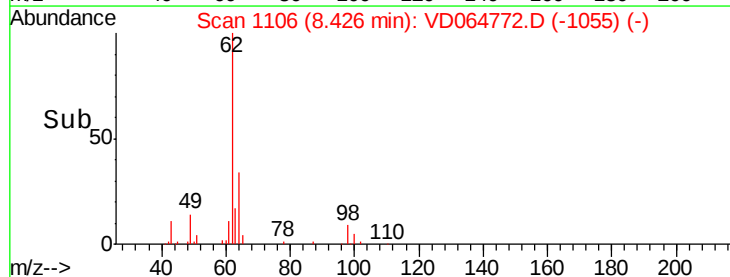


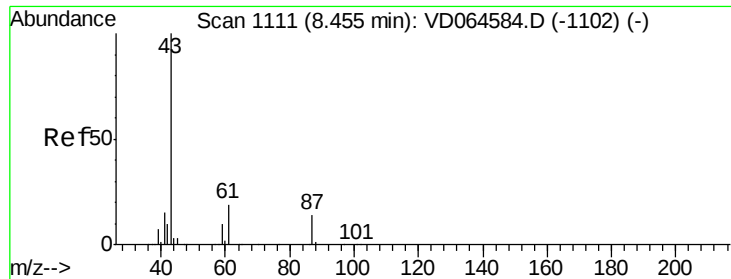
#42
1,2-Dichloroethane
Concen: 21.678 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 62 Resp: 94900
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.0



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



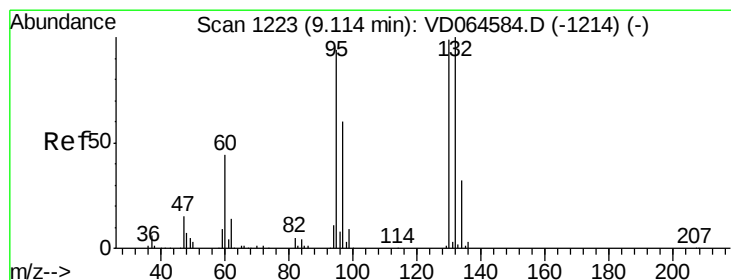
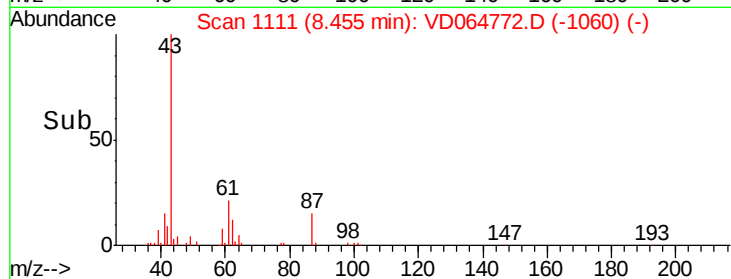
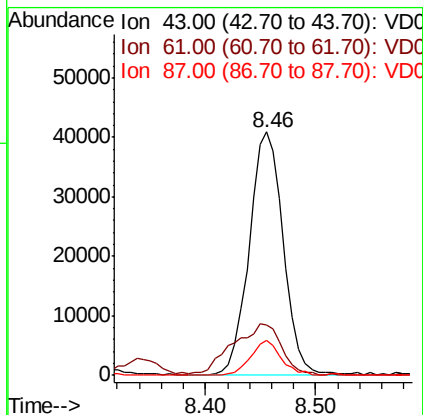
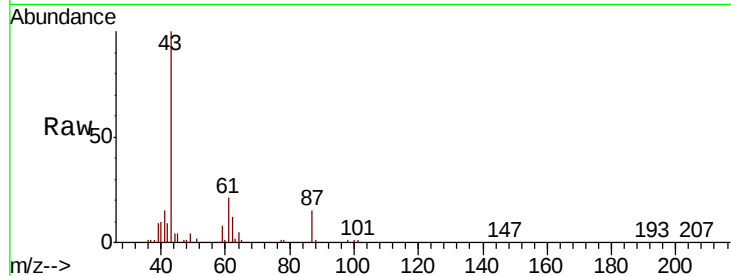


#43

Isopropyl Acetate
 Concen: 20.405 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :

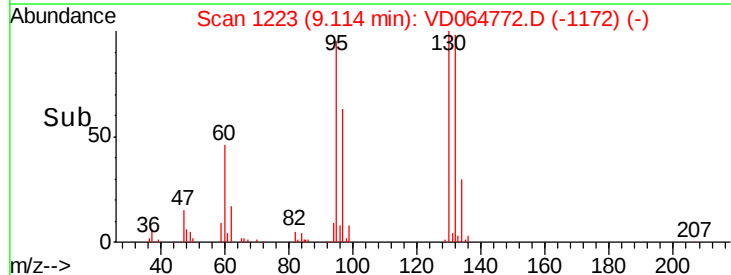
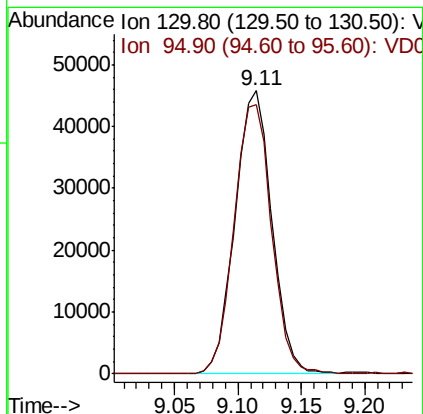
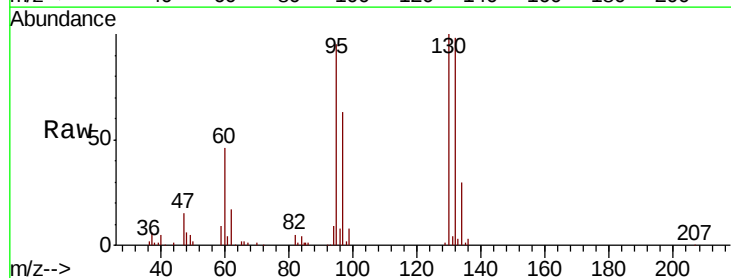
Tot Ion: 43 Resp: 88542
 Ion Ratio Lower Upper
 43 100
 61 30.4 23.7 35.5
 87 13.0 10.5 15.7

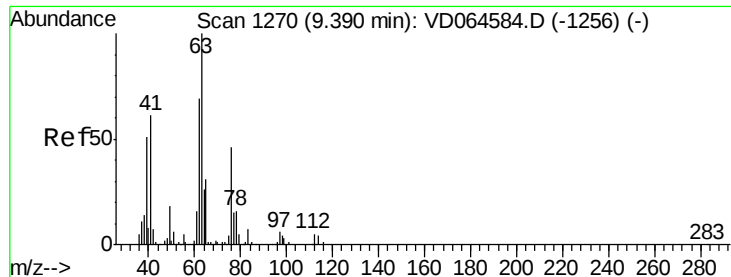


#44

Trichloroethene
 Concen: 20.743 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 130 Resp: 92314
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 21.999 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

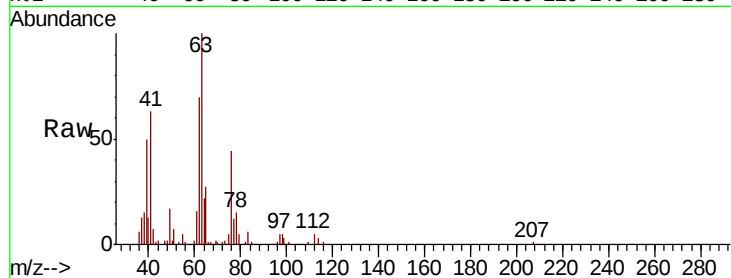
ClientSampleId :

Tot Ion: 63 Resp: 79570

Ion Ratio Lower Upper

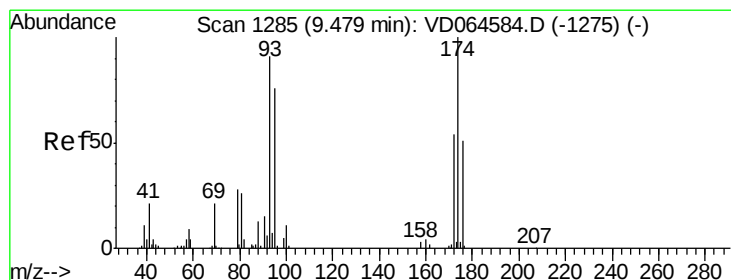
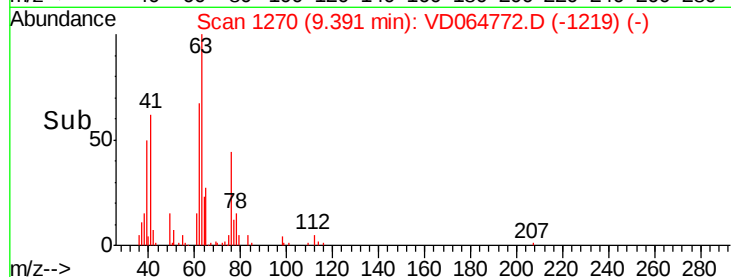
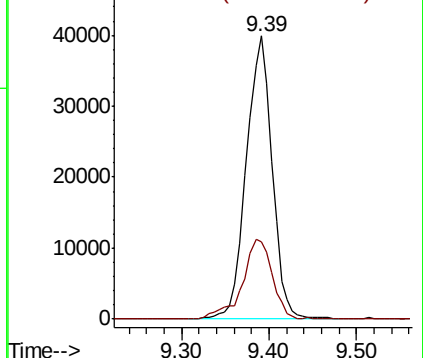
63 100

65 27.3 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.674 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

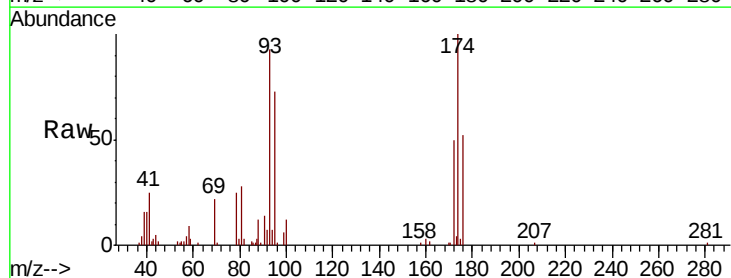
Tgt Ion: 93 Resp: 43707

Ion Ratio Lower Upper

93 100

95 80.4 64.6 97.0

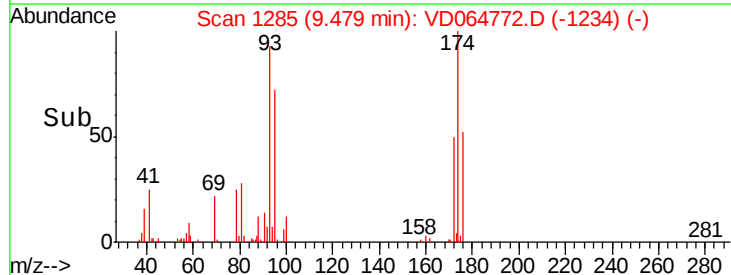
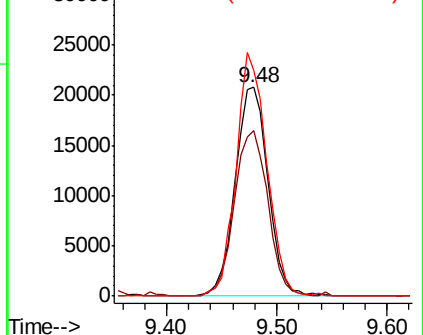
174 108.8 88.1 132.1

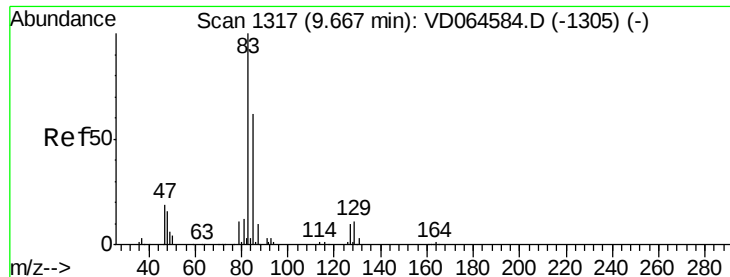


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.426 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

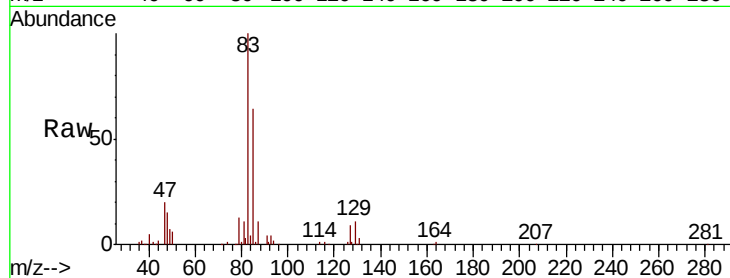
Tot Ion: 83 Resp: 114973

Ion Ratio Lower Upper

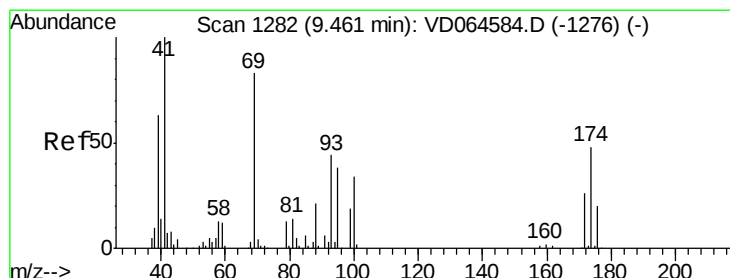
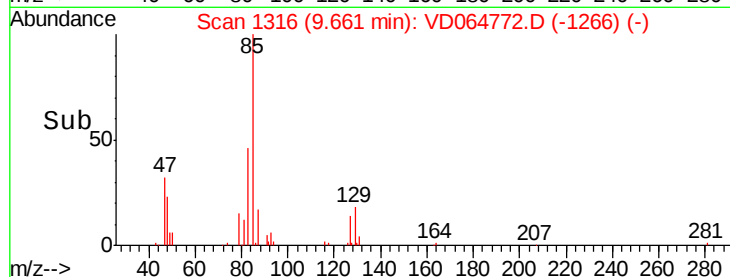
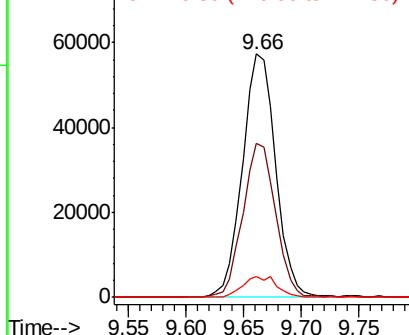
83 100

85 63.5 49.5 74.3

127 8.5 7.8 11.6



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



#48

Methyl methacrylate

Concen: 19.508 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

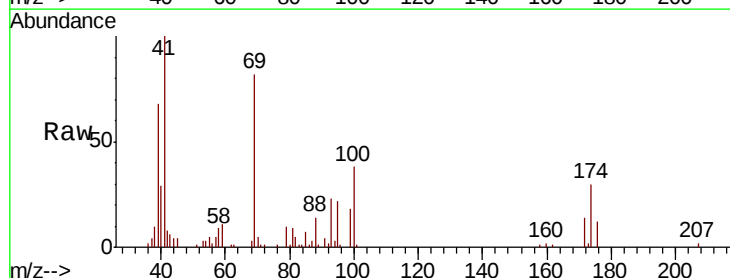
Tgt Ion: 41 Resp: 39858

Ion Ratio Lower Upper

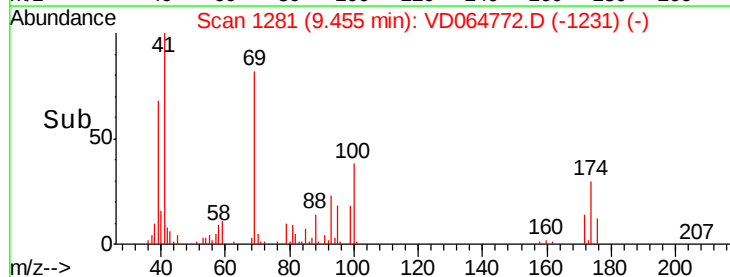
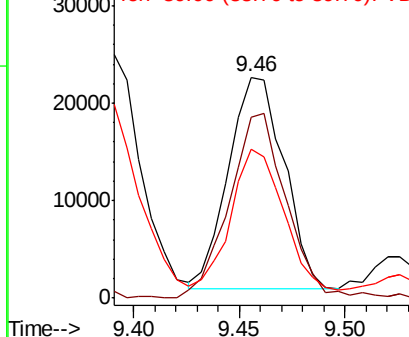
41 100

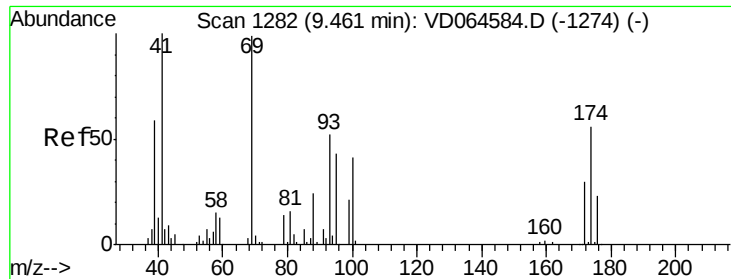
69 89.5 63.0 94.6

39 70.7 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

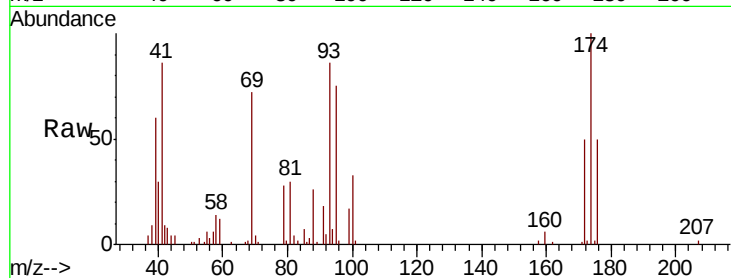




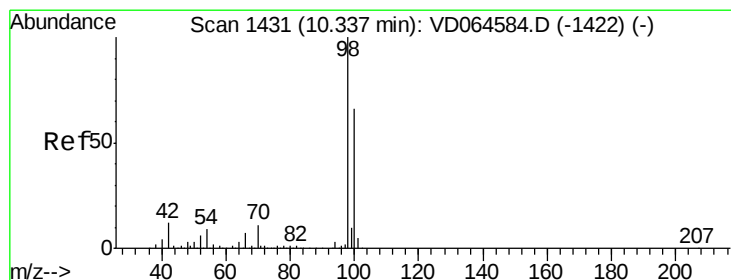
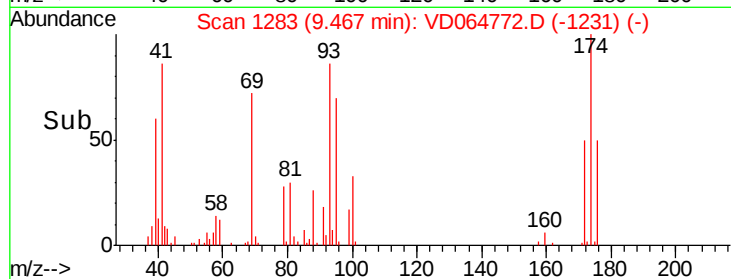
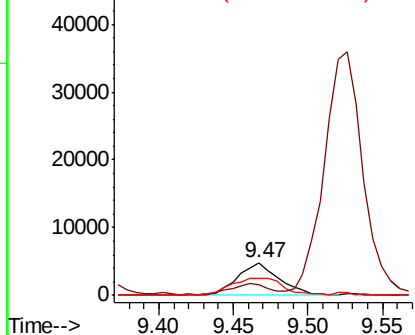
#49
 1,4-Dioxane
 Concen: 402.273 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 9354
 Ion Ratio Lower Upper
 88 100
 43 35.0 27.7 41.5
 58 66.7 53.8 80.6

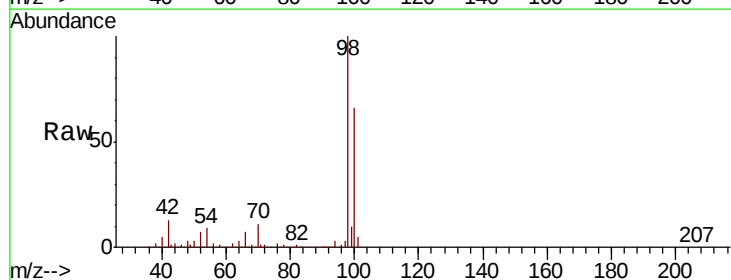


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

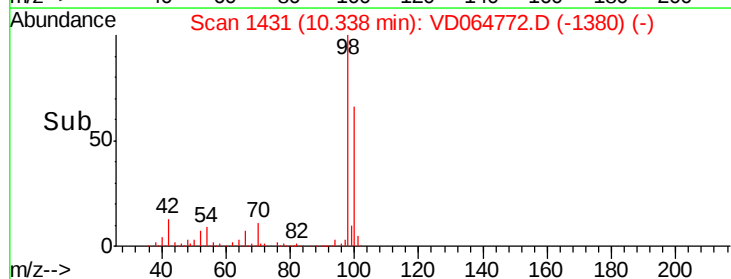
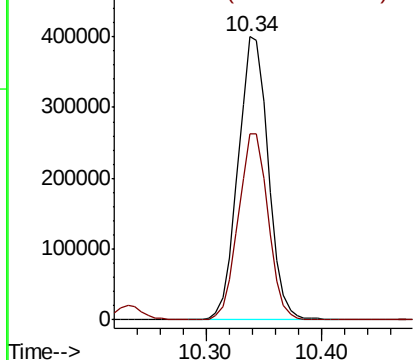


#50
 Toluene-d8
 Concen: 53.580 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 98 Resp: 725862
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 102.410 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

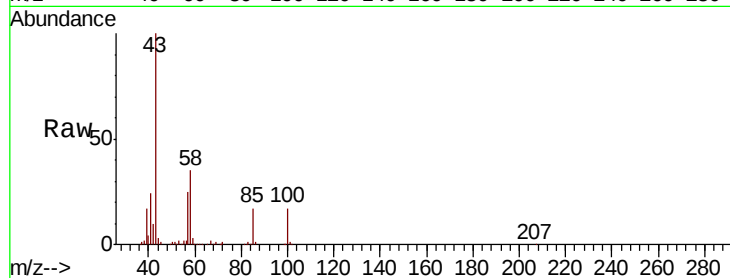
ClientSampled :

Tot Ion: 43 Resp: 219645

Ion Ratio Lower Upper

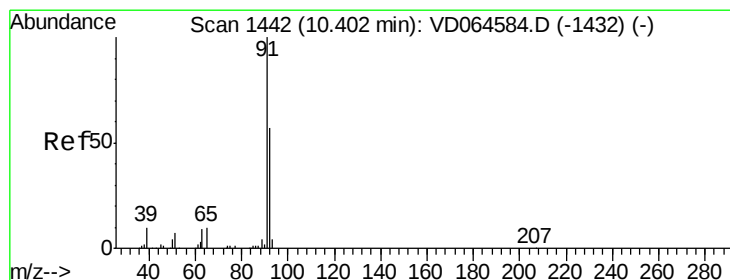
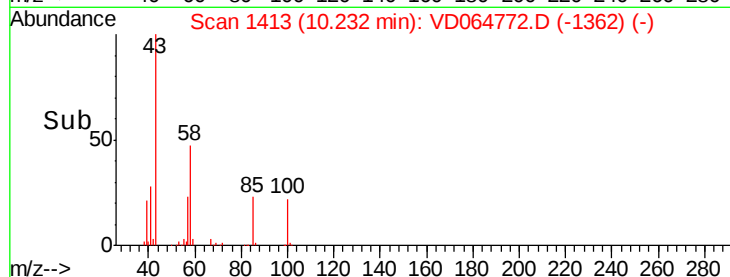
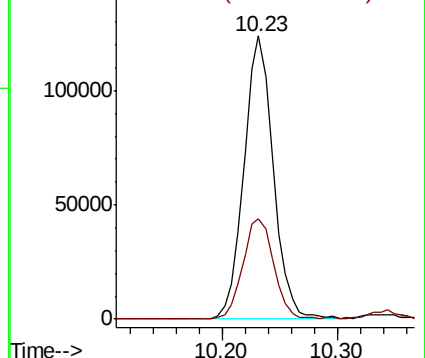
43 100

58 36.9 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: 21.154 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064772.D

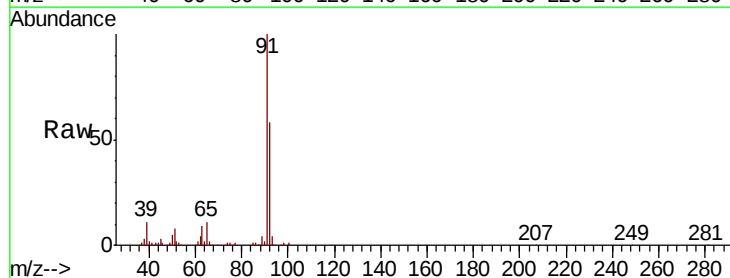
Acq: 06 Jan 2020 14:48

Tgt Ion: 92 Resp: 210249

Ion Ratio Lower Upper

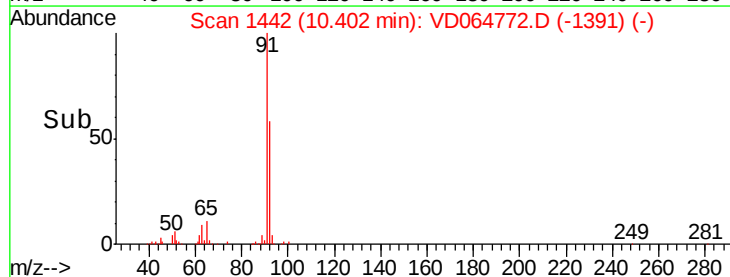
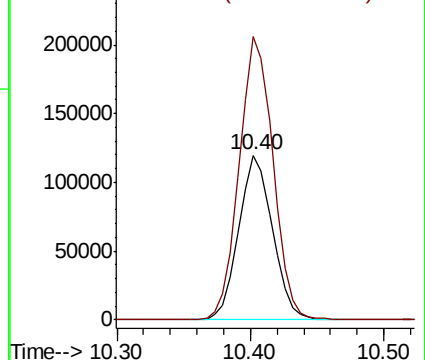
92 100

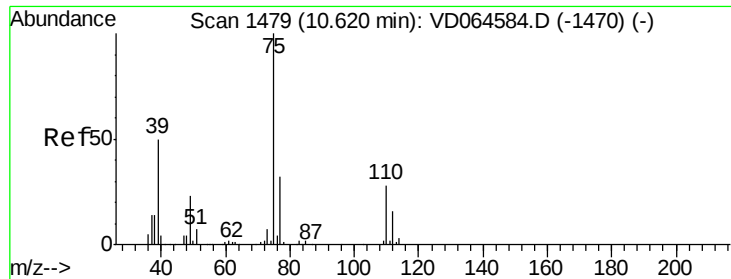
91 171.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.810 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

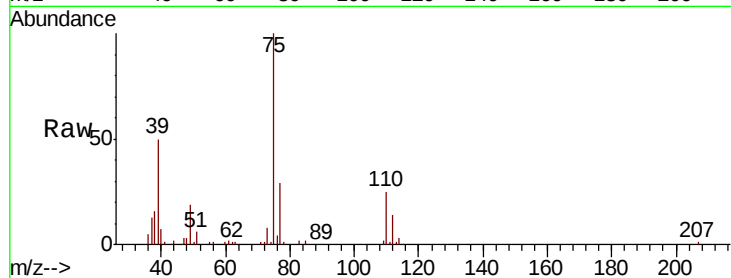
ClientSampleId :

Tot Ion: 75 Resp: 104111

Ion Ratio Lower Upper

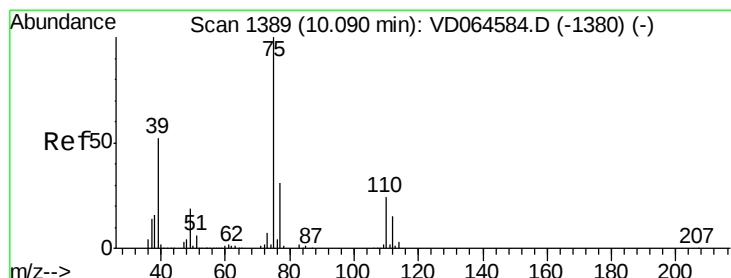
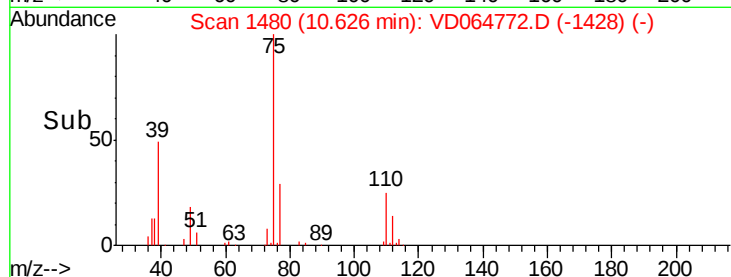
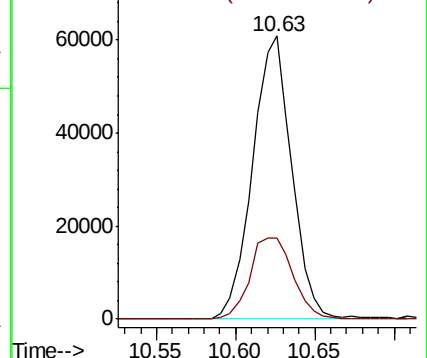
75 100

77 28.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.731 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

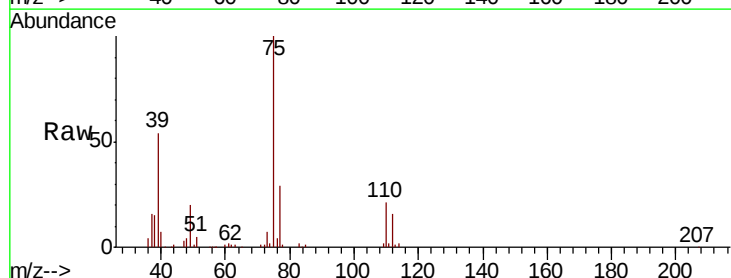
Tgt Ion: 75 Resp: 128195

Ion Ratio Lower Upper

75 100

77 29.2 24.6 36.8

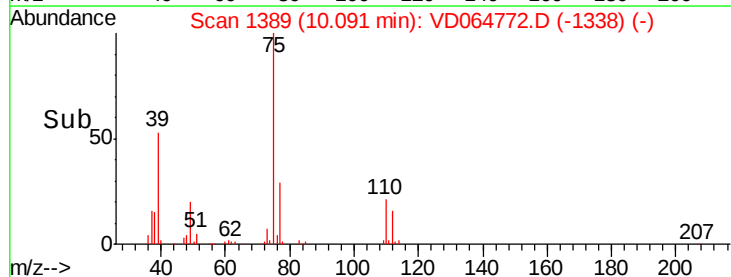
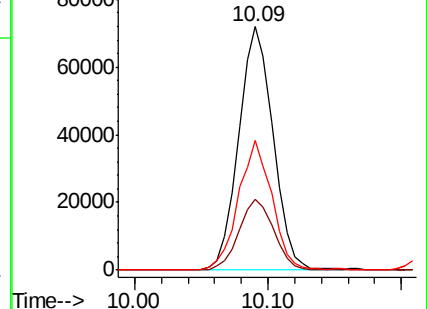
39 53.5 41.4 62.2

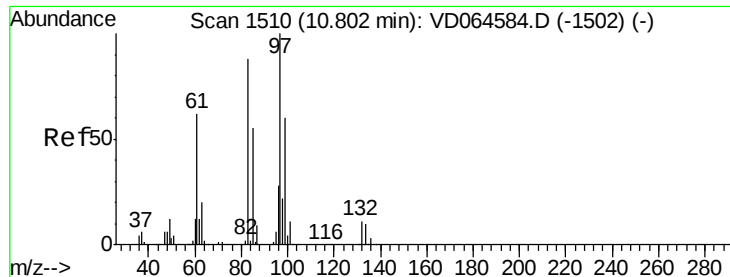


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

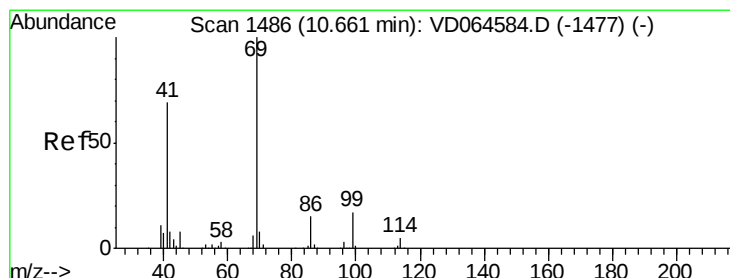
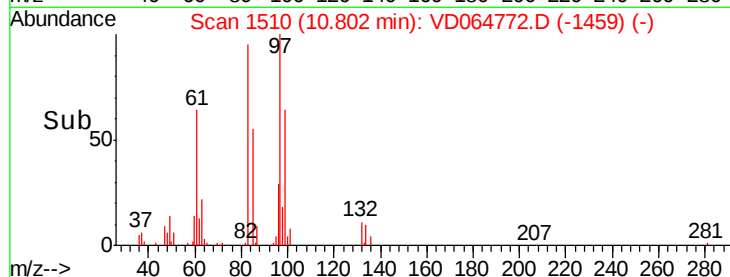
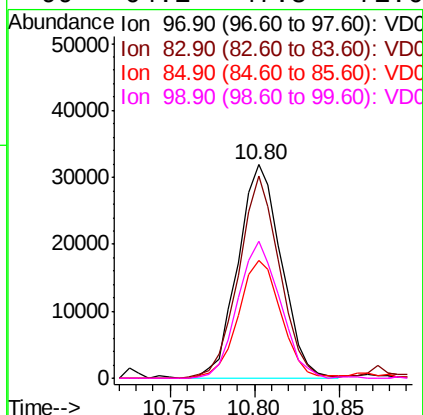
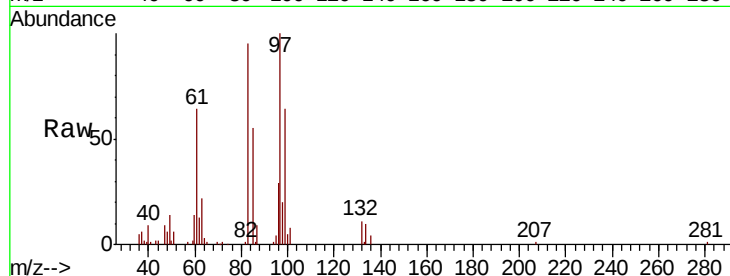




#55
 1,1,2-Trichloroethane
 Concen: 21.033 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

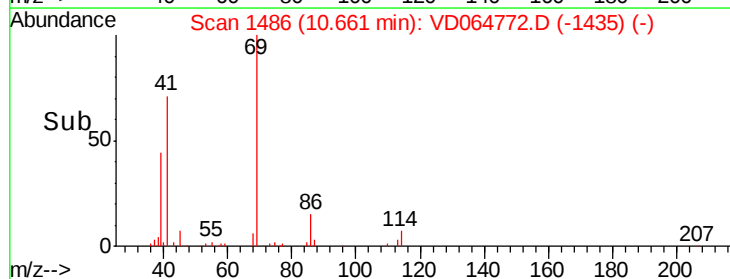
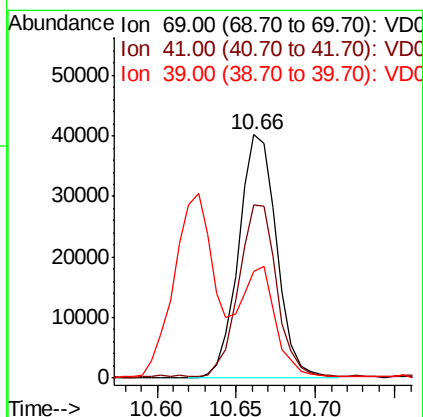
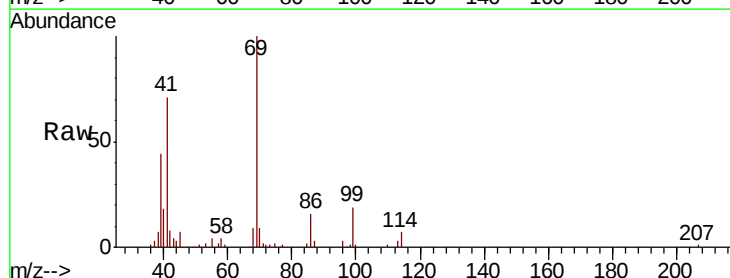
Instrument :
 MSVOA_D
 ClientSampleId :

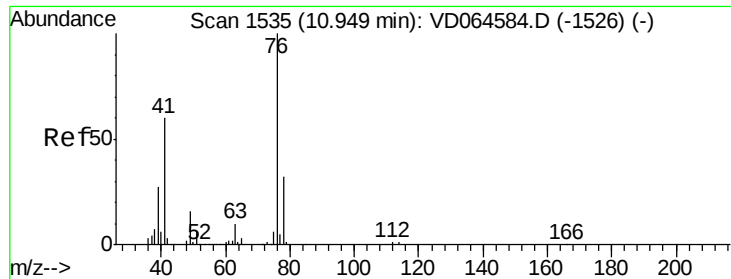
Tot Ion: 97 Resp: 57161
 Ion Ratio Lower Upper
 97 100
 83 94.3 70.2 105.4
 85 55.3 44.0 66.0
 99 64.1 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 19.742 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 69 Resp: 67007
 Ion Ratio Lower Upper
 69 100
 41 70.1 55.3 82.9
 39 43.0 33.8 50.8

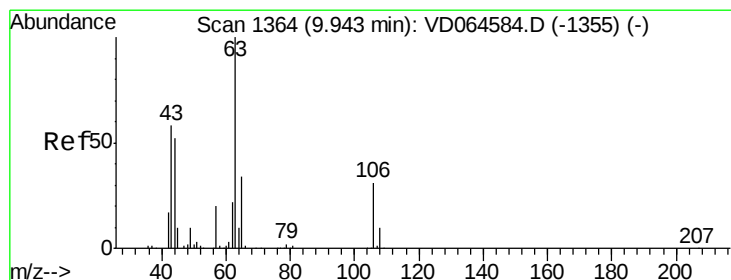
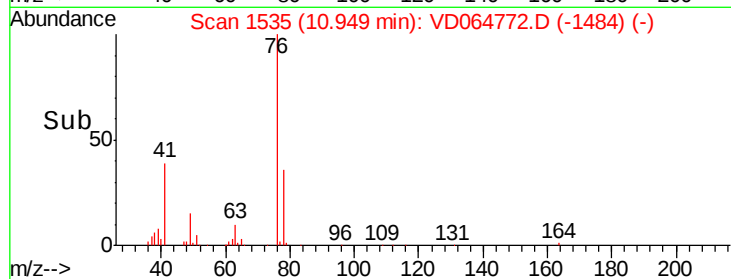
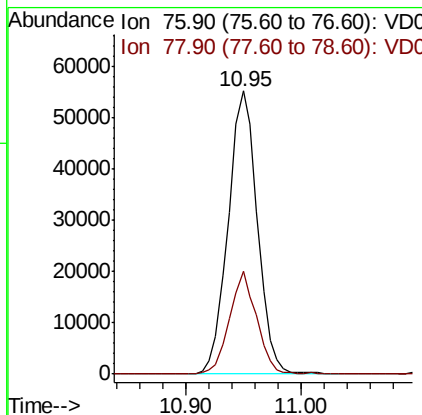
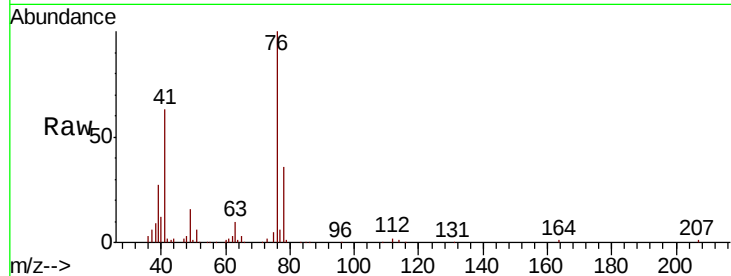




#57
 1,3-Dichloropropane
 Concen: 20.746 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

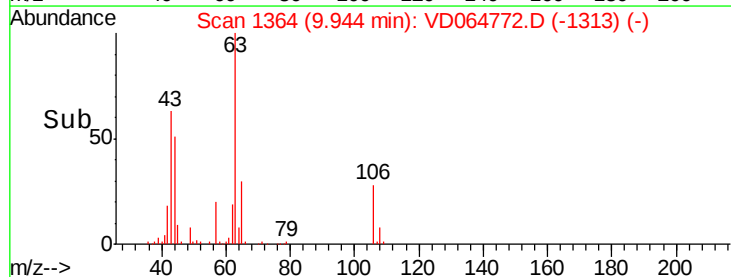
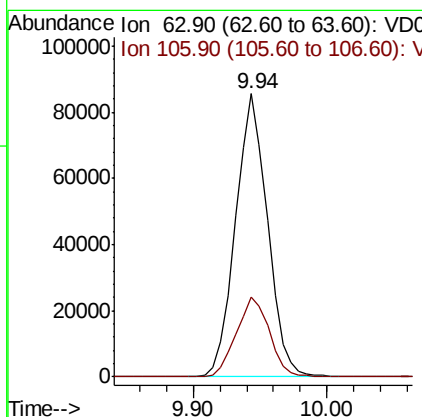
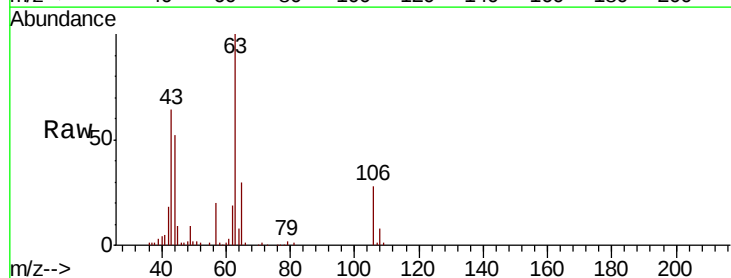
Instrument :
 MSVOA_D
 ClientSampled :

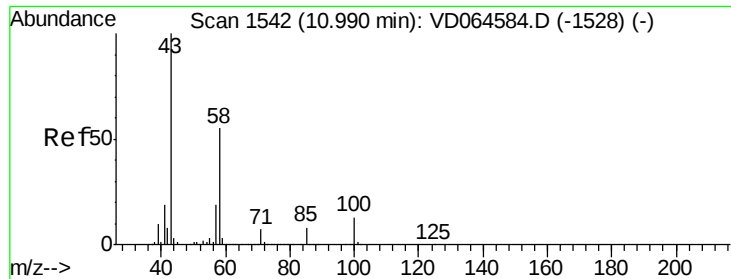
Tot Ion: 76 Resp: 97076
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.835 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 63 Resp: 142030
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.8 35.8

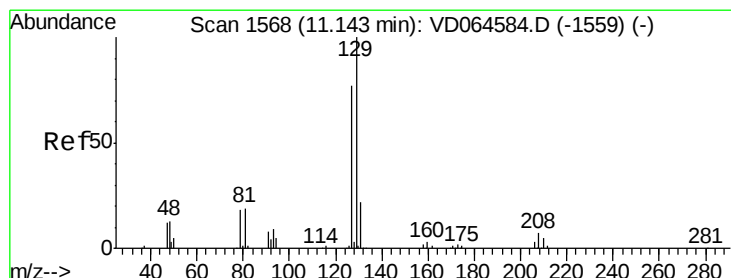
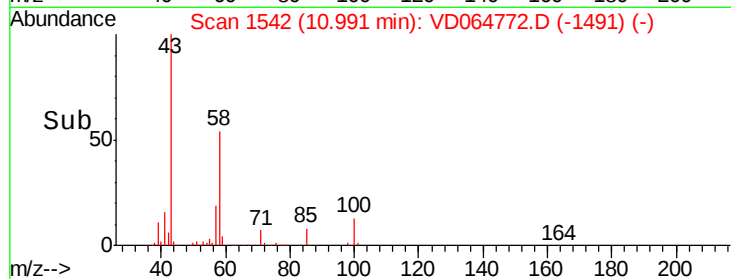
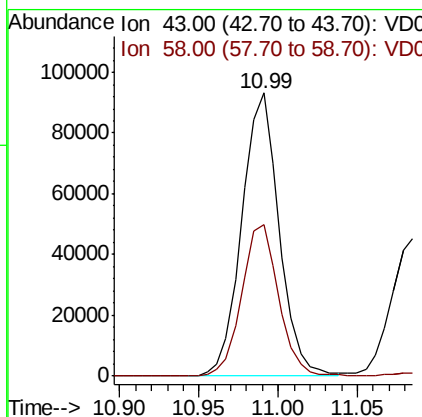
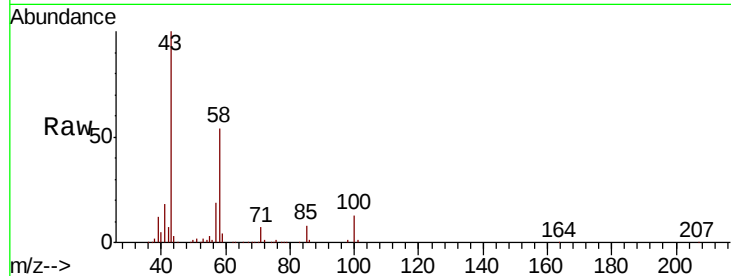




#59
2-Hexanone
Concen: 104.779 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

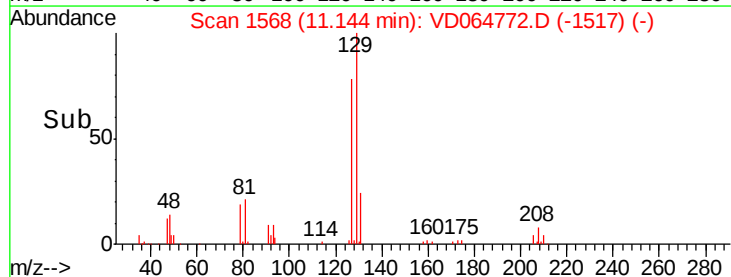
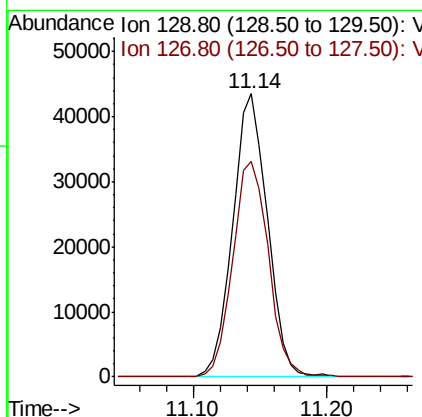
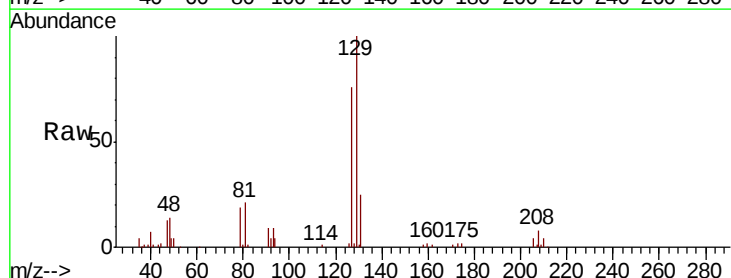
Instrument :
MSVOA_D
ClientSampleId :

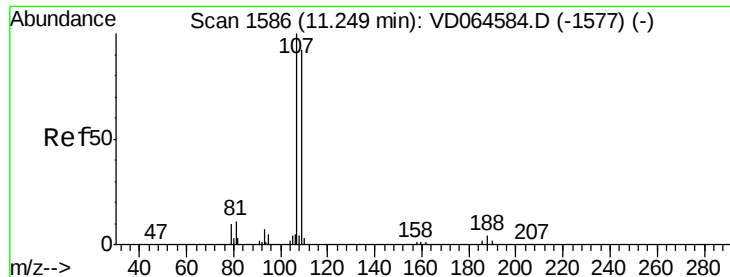
Tot Ion: 43 Resp: 152527
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 20.813 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 129 Resp: 78219
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2

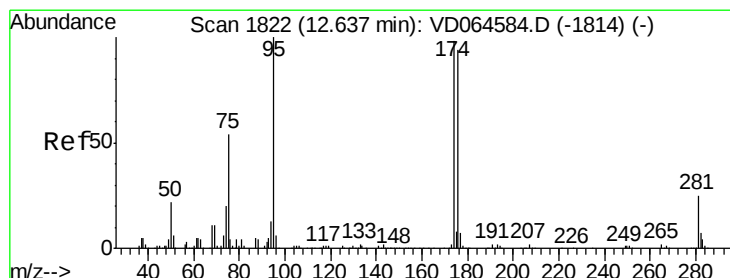
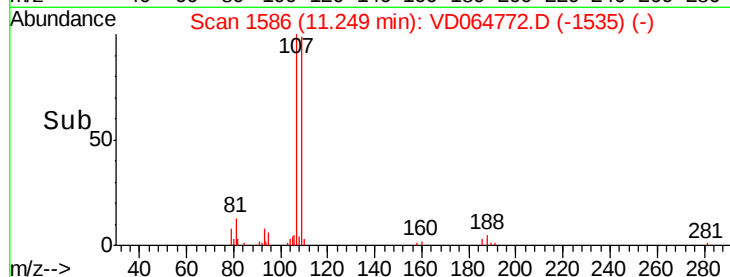
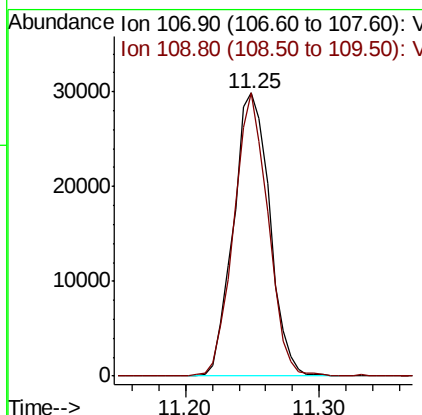
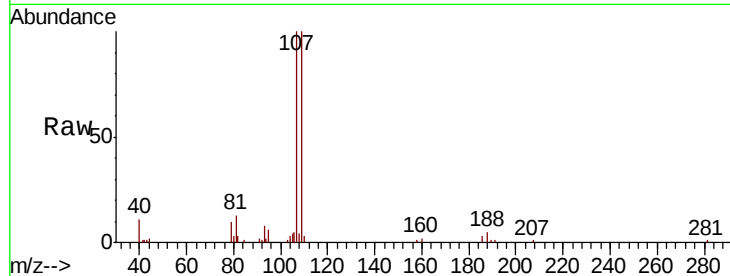




#61
 1,2-Dibromoethane
 Concen: 21.053 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

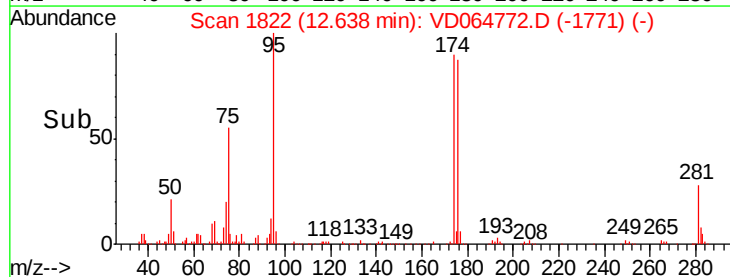
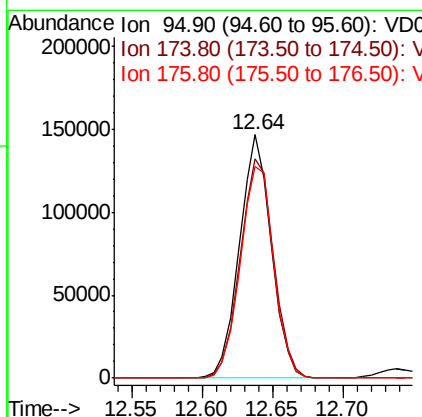
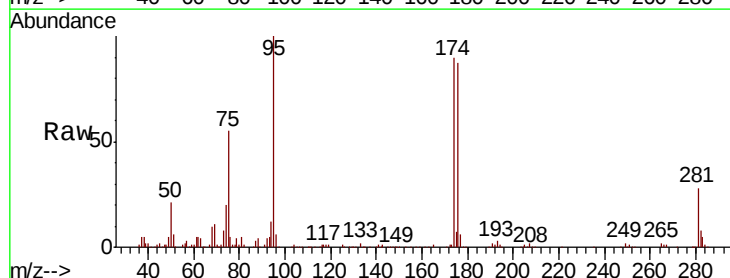
Instrument :
 MSVOA_D
 ClientSampleId :

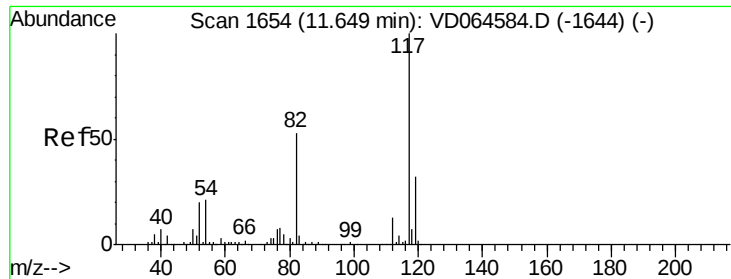
Tot Ion:107 Resp: 56434
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.023 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion: 95 Resp: 231423
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 193.2
 176 91.6 0.0 184.2

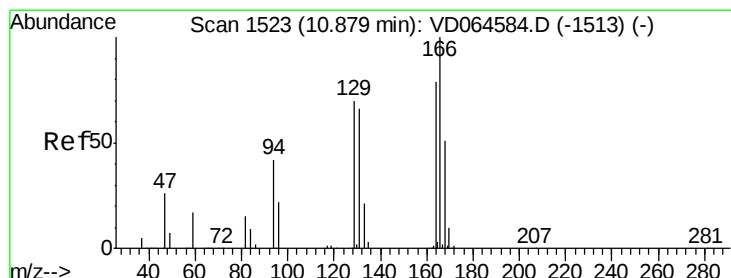
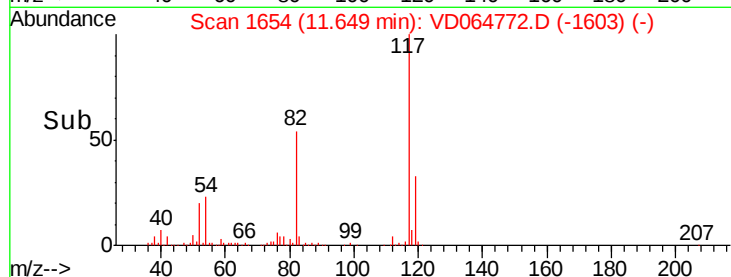
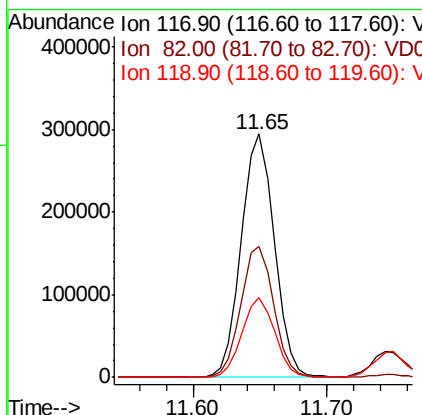
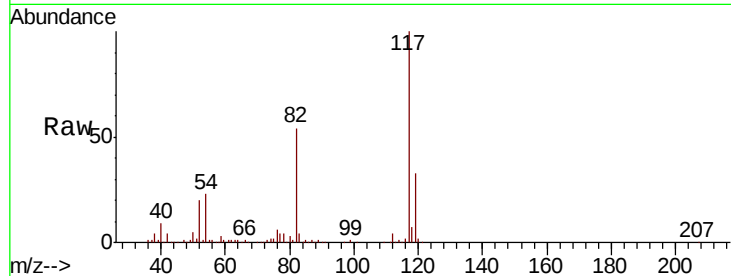




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

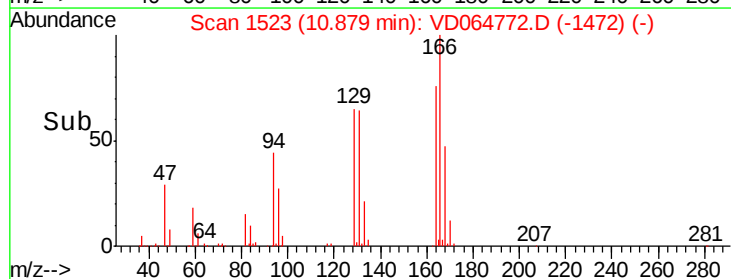
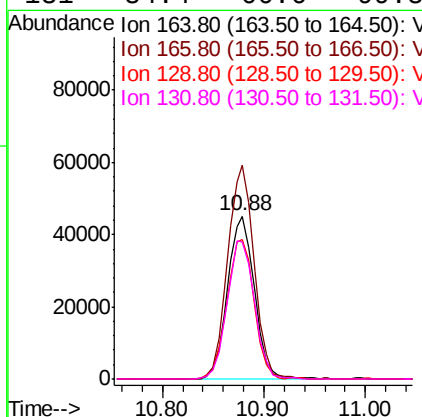
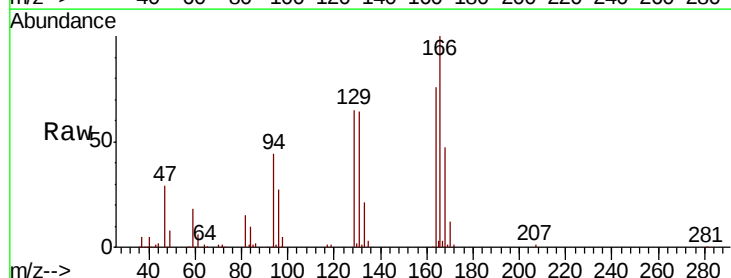
Instrument :
MSVOA_D
ClientSampleId :

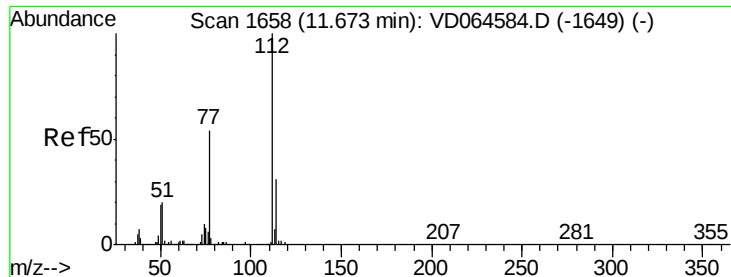
Tot Ion:117 Resp: 505689
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 21.302 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion:164 Resp: 82643
Ion Ratio Lower Upper
164 100
166 131.0 101.3 151.9
129 85.6 70.5 105.7
131 84.4 66.6 99.8

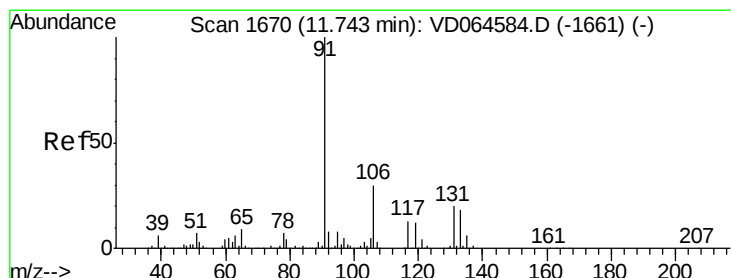
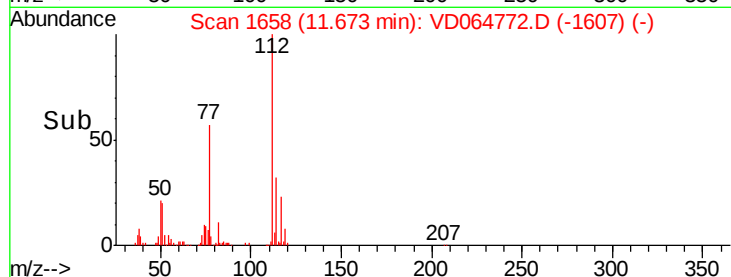
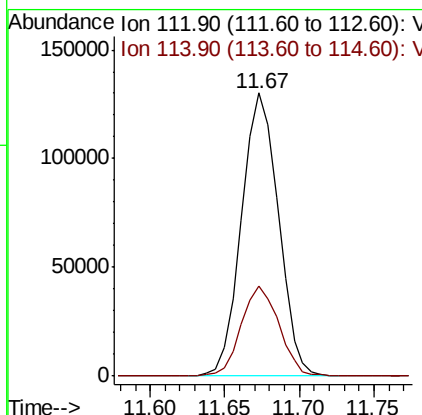
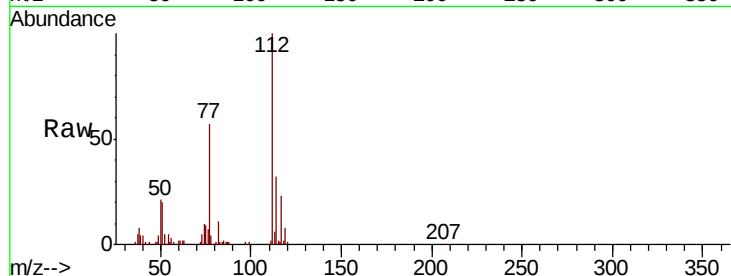




#65
Chlorobenzene
Concen: 21.304 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

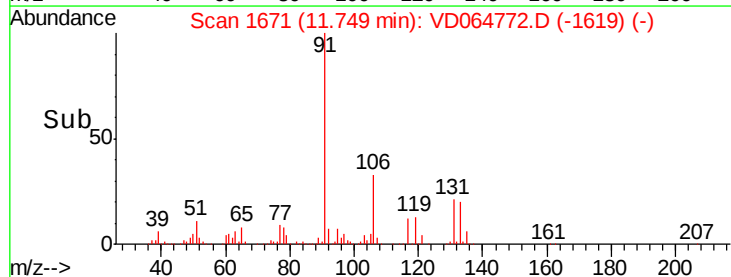
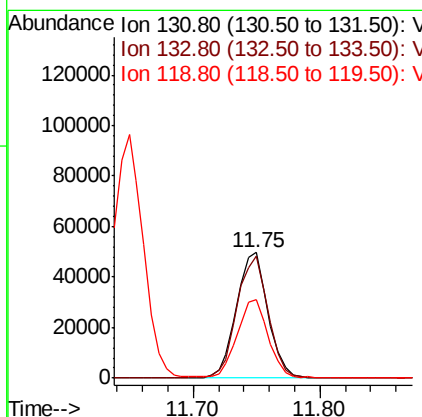
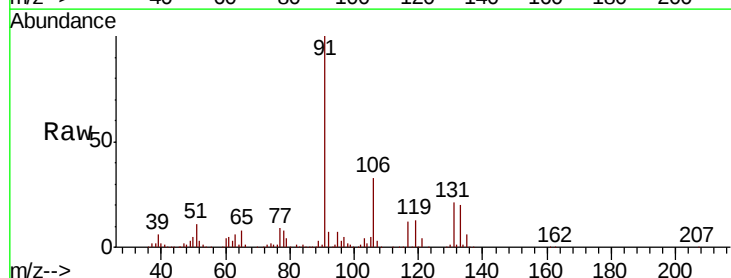
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 223600
Ion Ratio Lower Upper
112 100
114 31.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.602 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion:131 Resp: 85471
Ion Ratio Lower Upper
131 100
133 96.2 48.3 144.8
119 62.1 32.1 96.3





#67

Ethyl Benzene

Concen: 21.008 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

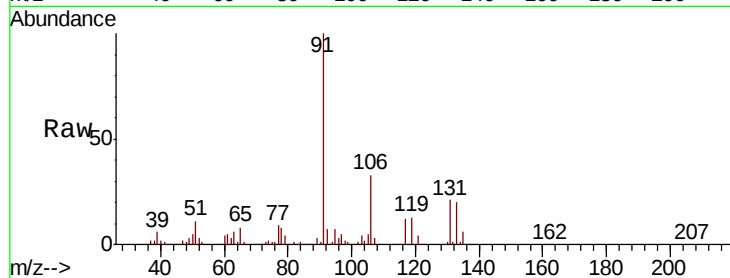
ClientSampled :

Tot Ion: 91 Resp: 400196

Ion Ratio Lower Upper

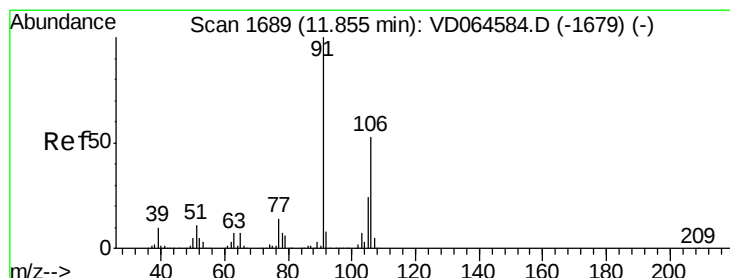
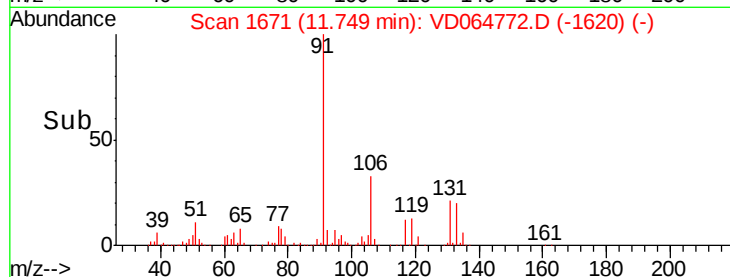
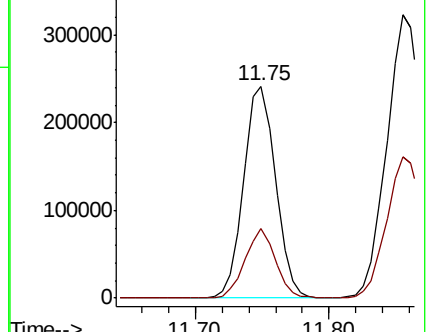
91 100

106 32.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.896 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064772.D

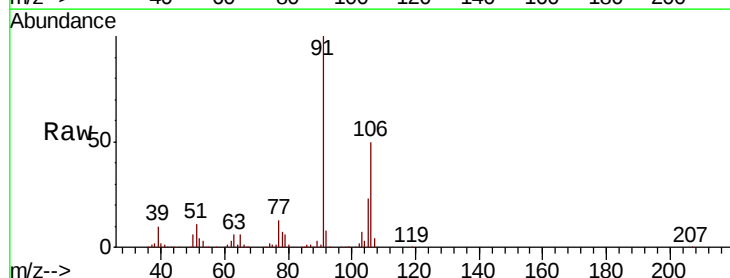
Acq: 06 Jan 2020 14:48

Tgt Ion: 106 Resp: 308059

Ion Ratio Lower Upper

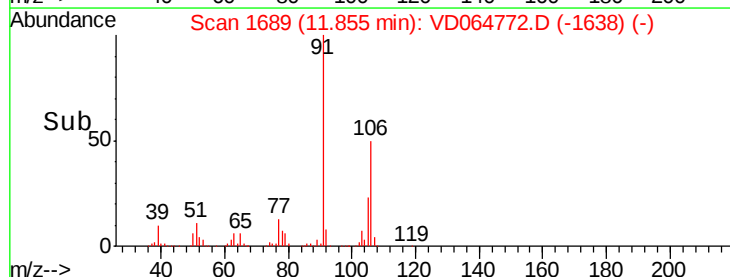
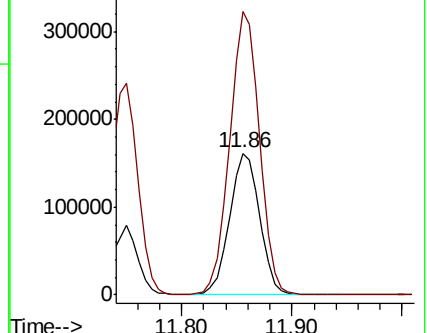
106 100

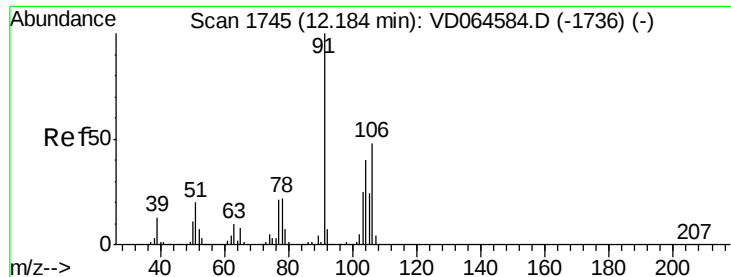
91 198.1 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

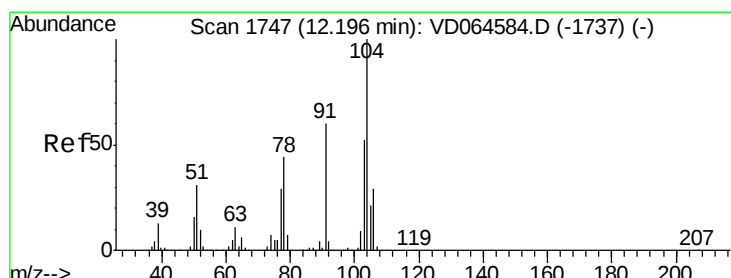
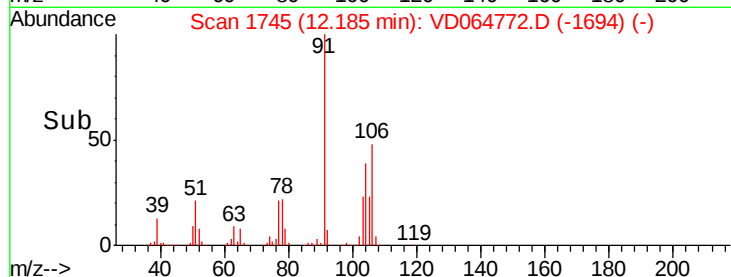
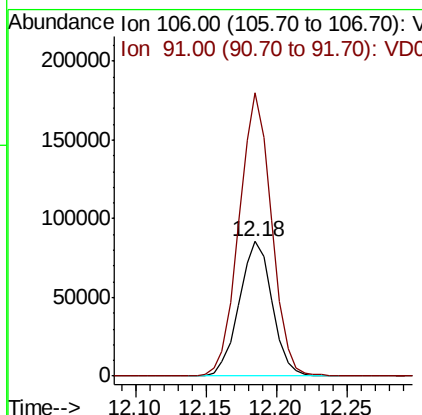
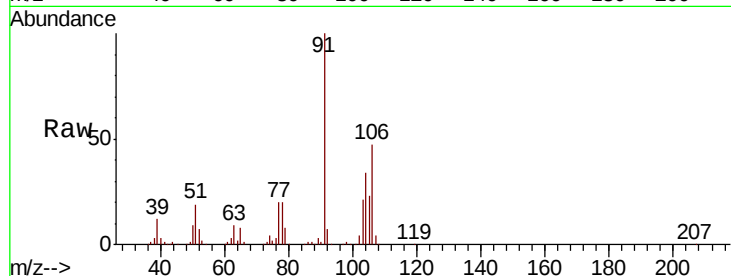




#69
o-Xylene
Concen: 21.008 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

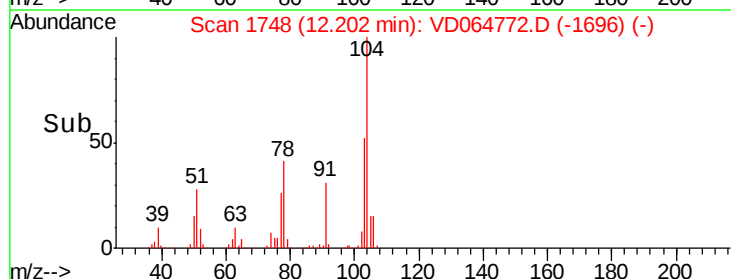
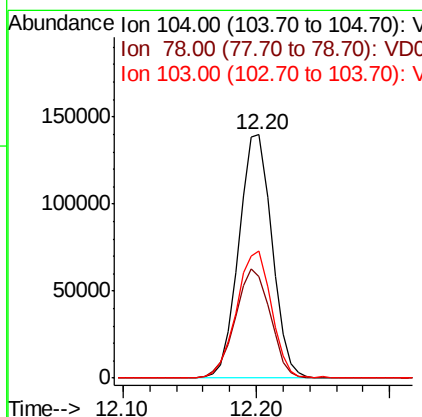
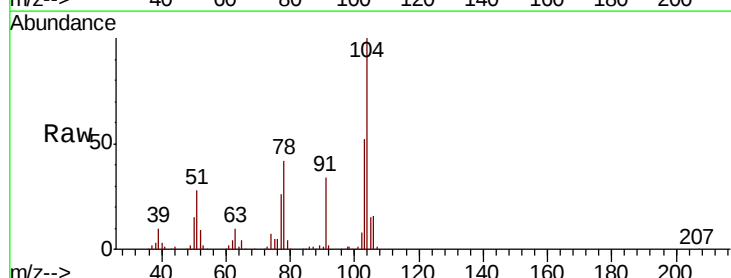
Instrument :
MSVOA_D
ClientSampled :

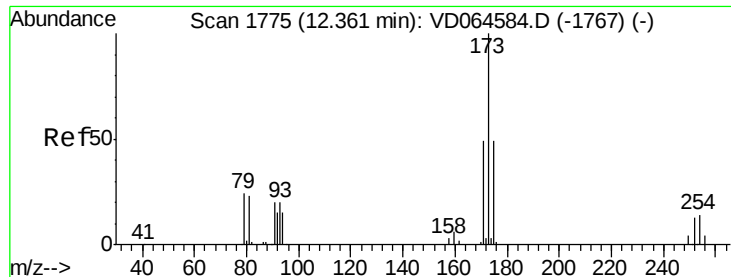
Tot Ion:106 Resp: 139524
Ion Ratio Lower Upper
106 100
91 207.4 104.8 314.4



#70
Styrene
Concen: 20.686 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion:104 Resp: 241154
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.1 44.6 67.0





#71

Bromoform

Concen: 20.564 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

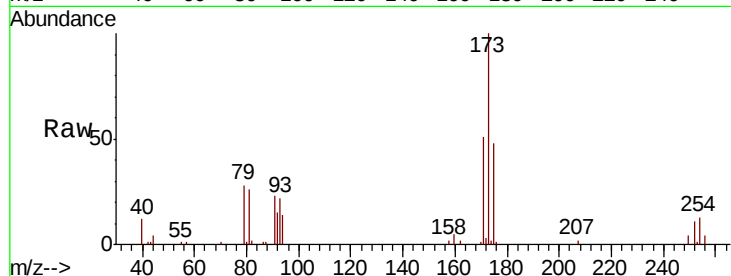
Tot Ion:173 Resp: 46400

Ion Ratio Lower Upper

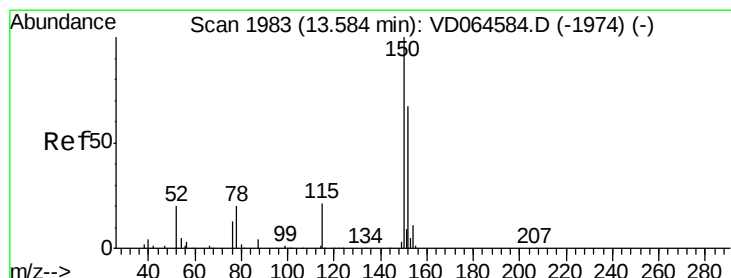
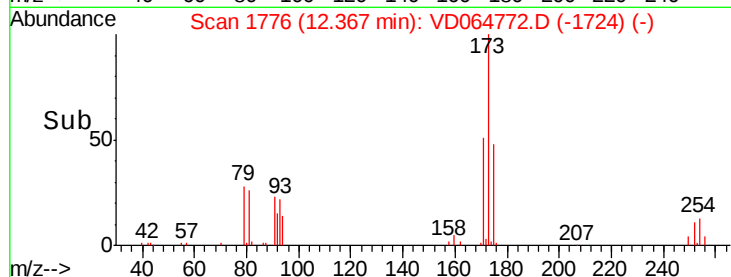
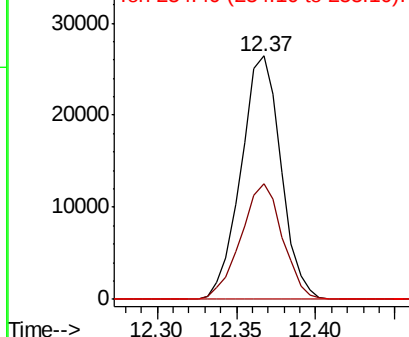
173 100

175 49.5 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: VD064772.D

Acq: 06 Jan 2020 14:48

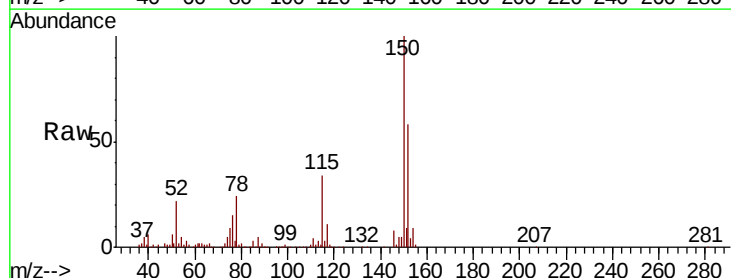
Tgt Ion:152 Resp: 247762

Ion Ratio Lower Upper

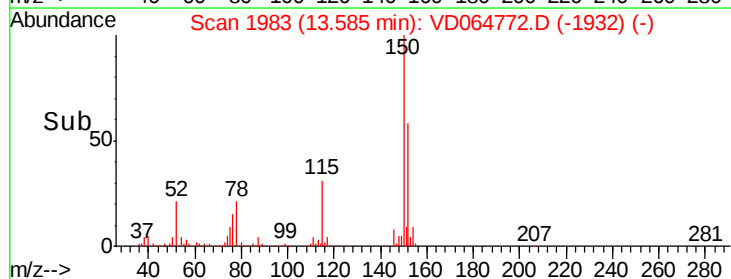
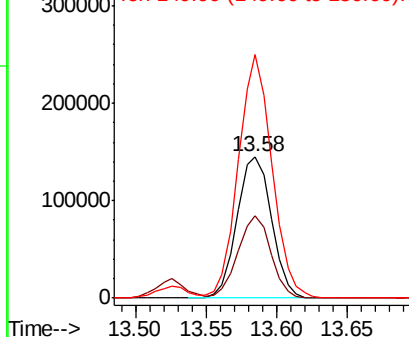
152 100

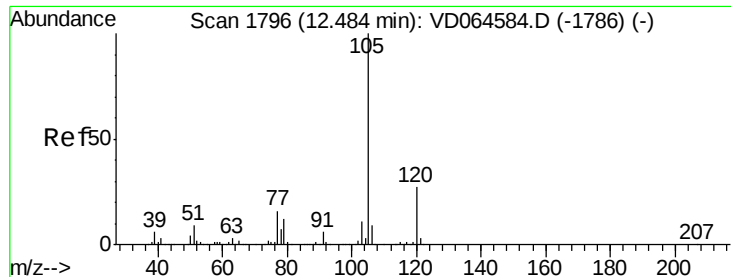
115 55.8 27.8 83.4

150 168.6 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: 21.524 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

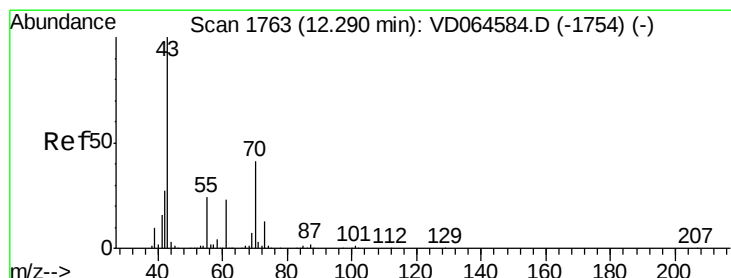
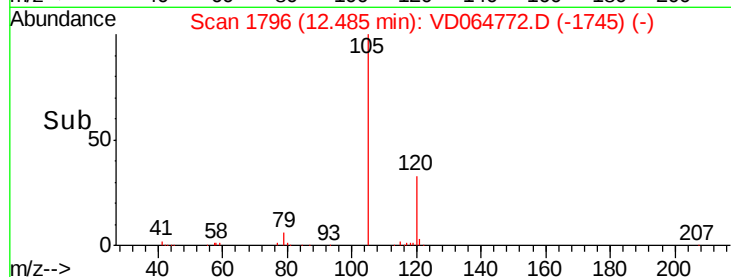
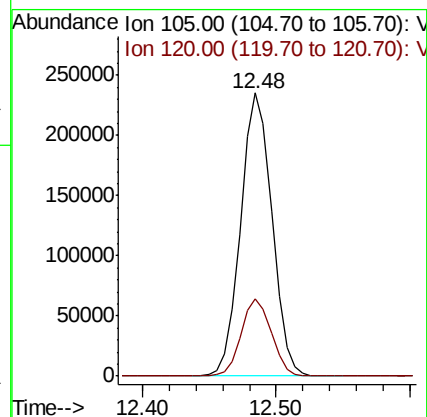
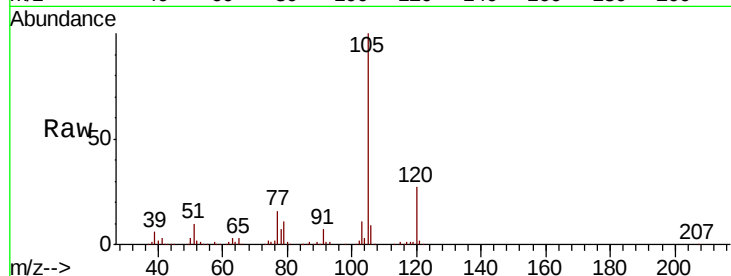
ClientSampled :

Tot Ion:105 Resp: 381097

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



#74

N-ethyl acetate

Concen: 20.615 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Tgt Ion: 43 Resp: 78024

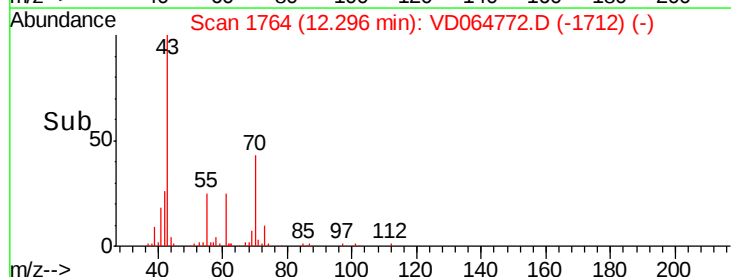
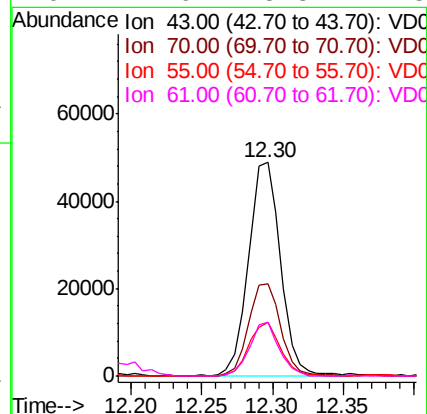
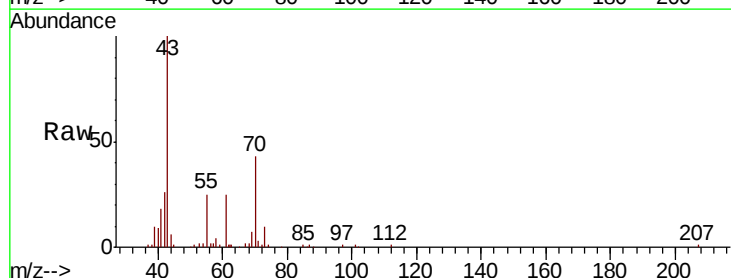
Ion Ratio Lower Upper

43 100

70 43.3 33.4 50.0

55 24.5 19.4 29.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.368 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

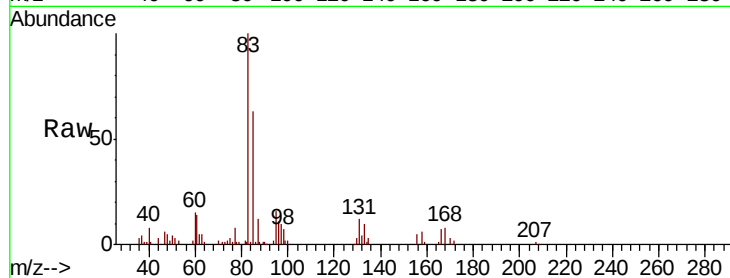
Tot Ion: 83 Resp: 59432

Ion Ratio Lower Upper

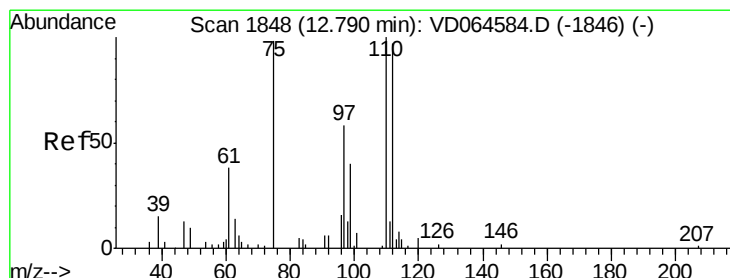
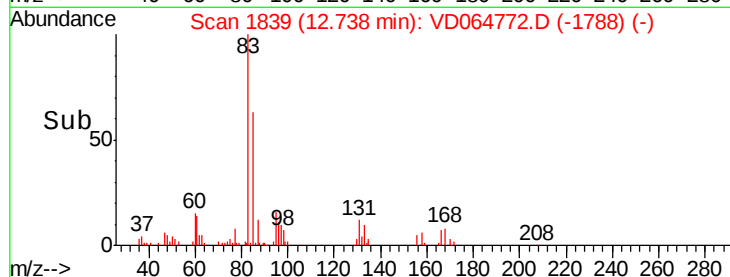
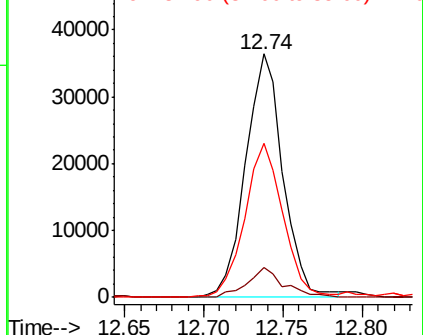
83 100

131 11.9 5.8 17.4

85 65.0 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: 40.038 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064772.D

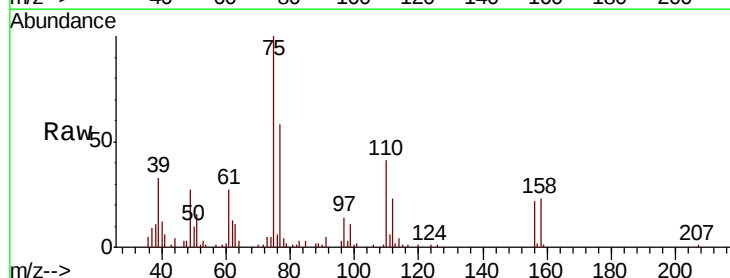
Acq: 06 Jan 2020 14:48

Tgt Ion: 75 Resp: 78333

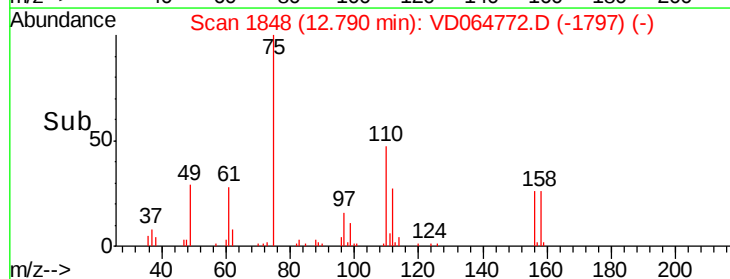
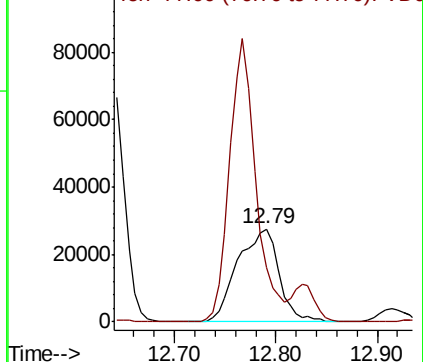
Ion Ratio Lower Upper

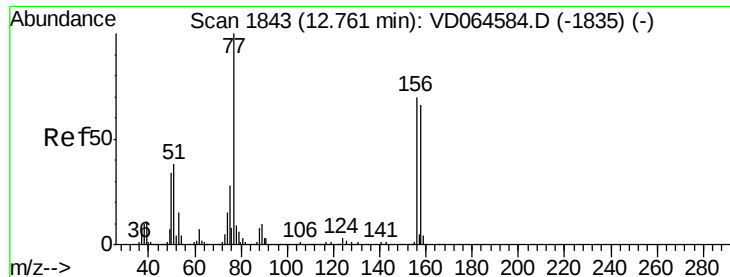
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.326 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

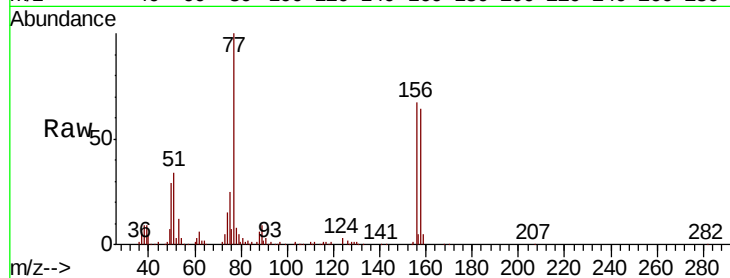
Tot Ion:156 Resp: 92780

Ion Ratio Lower Upper

156 100

77 163.8 80.9 242.7

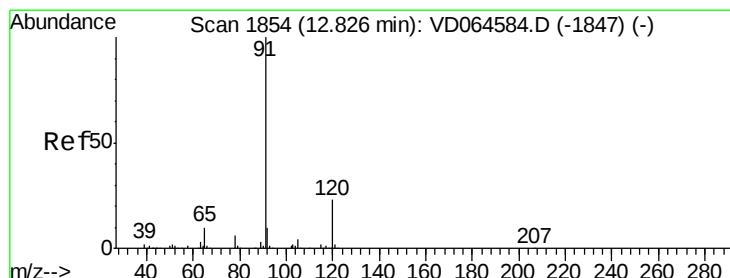
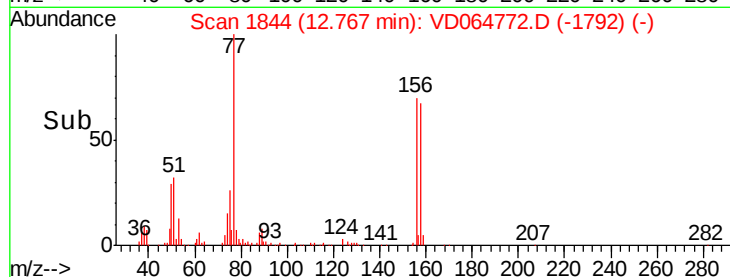
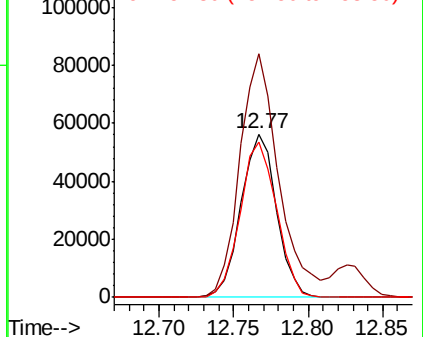
158 97.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.724 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064772.D

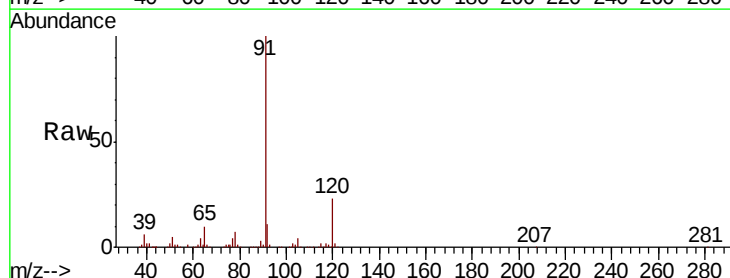
Acq: 06 Jan 2020 14:48

Tgt Ion: 91 Resp: 448735

Ion Ratio Lower Upper

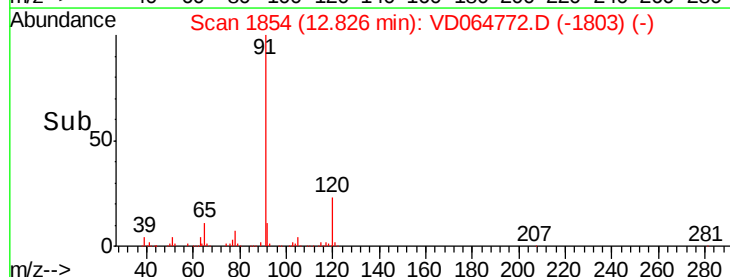
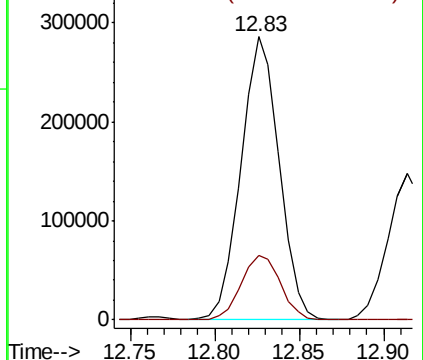
91 100

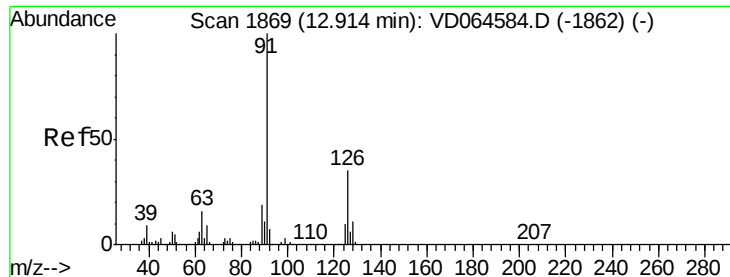
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.586 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

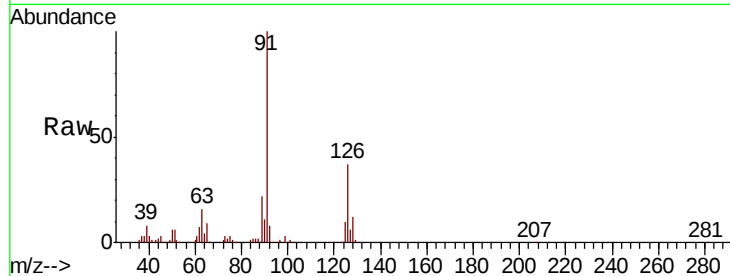
ClientSampleId :

Tot Ion: 91 Resp: 244943

Ion Ratio Lower Upper

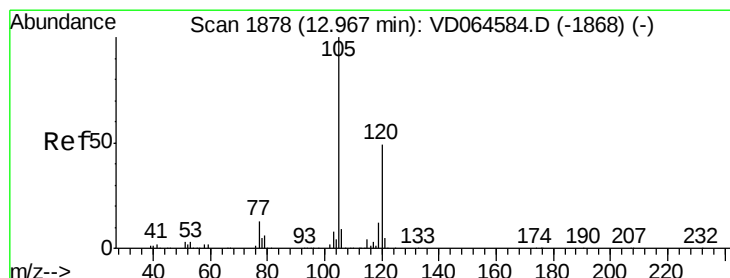
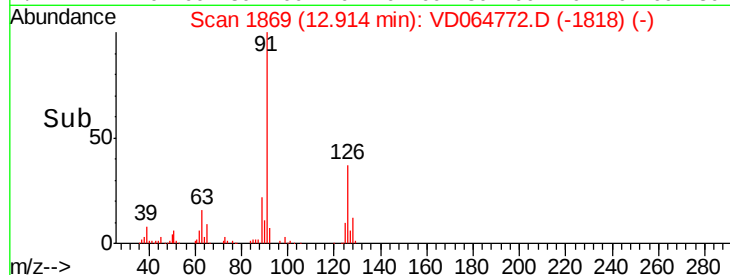
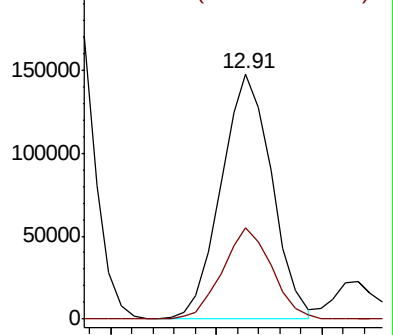
91 100

126 36.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064772.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064772.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.825 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064772.D

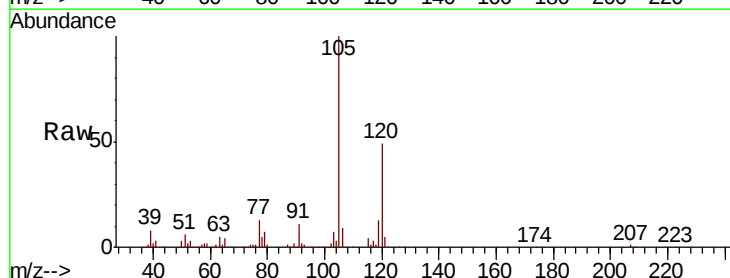
Acq: 06 Jan 2020 14:48

Tgt Ion:105 Resp: 317436

Ion Ratio Lower Upper

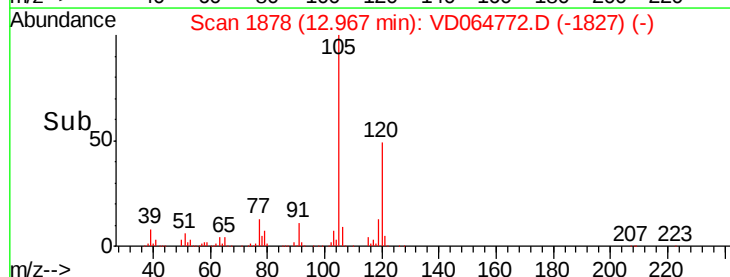
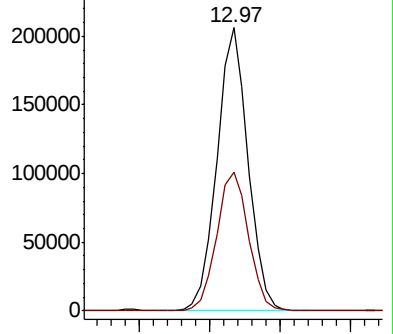
105 100

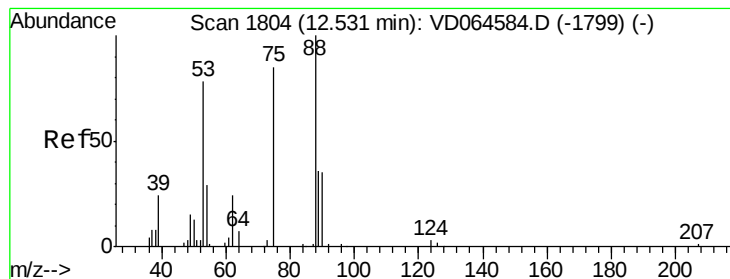
120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064772.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064772.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.156 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

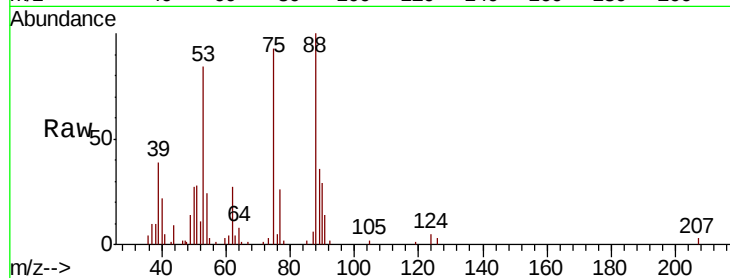
Tot Ion: 75 Resp: 20726

Ion Ratio Lower Upper

75 100

53 97.3 78.8 118.2

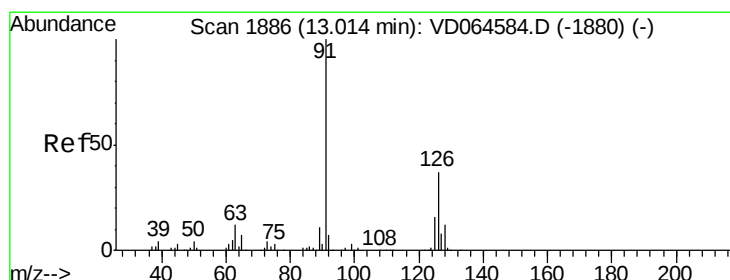
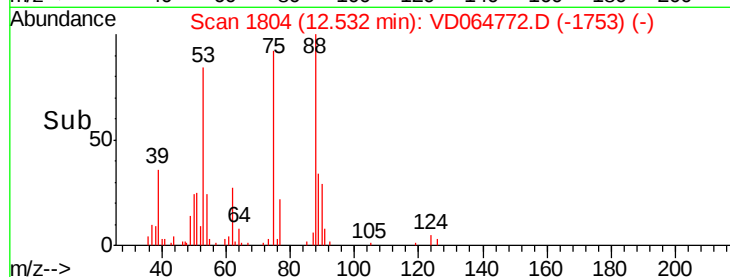
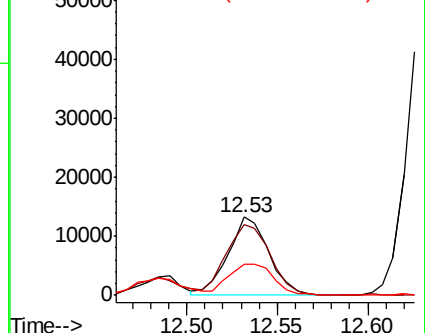
89 44.9 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.105 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064772.D

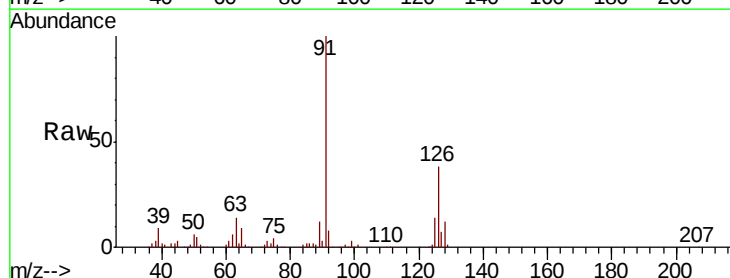
Acq: 06 Jan 2020 14:48

Tgt Ion: 91 Resp: 254850

Ion Ratio Lower Upper

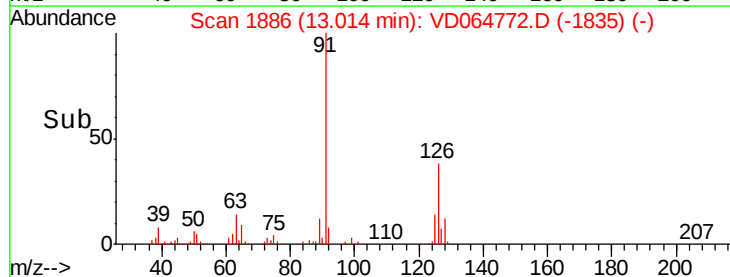
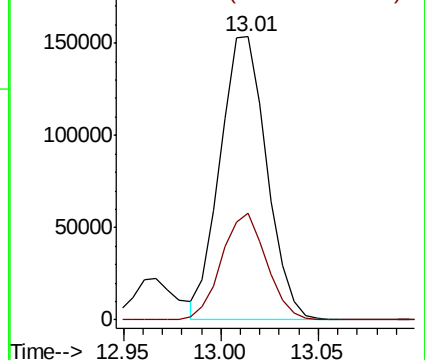
91 100

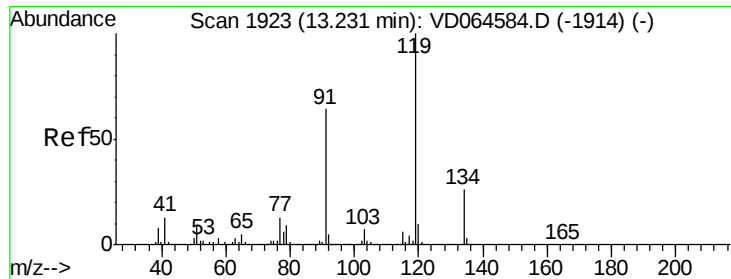
126 36.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

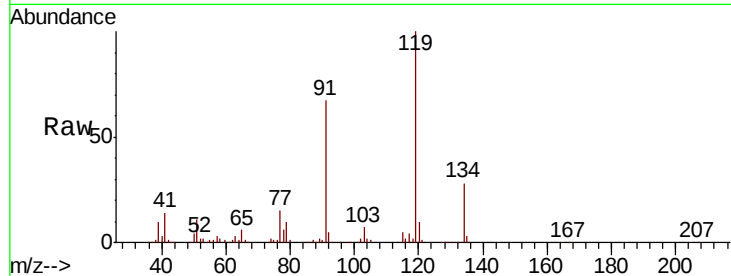




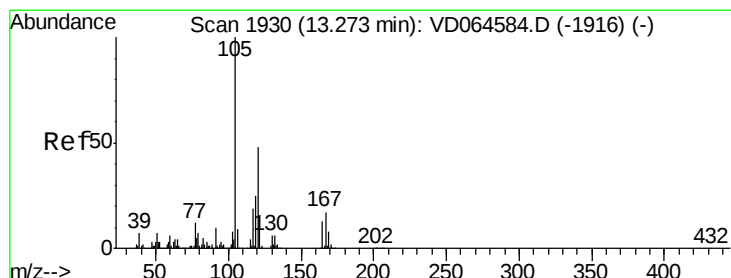
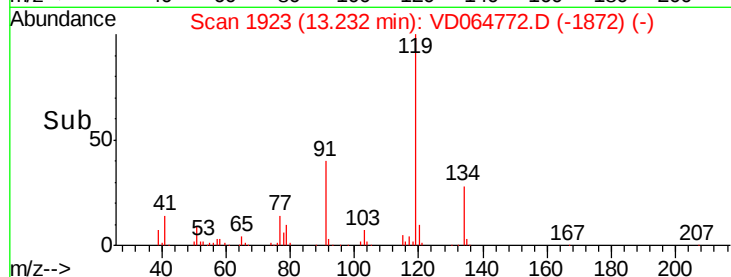
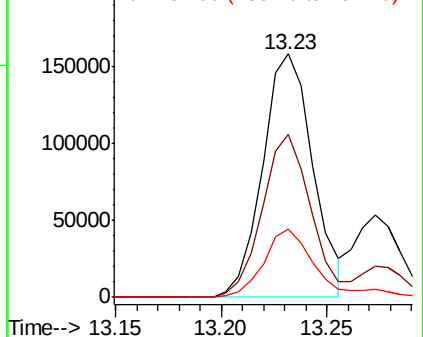
#83
tert-Butylbenzene
Concen: 20.742 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 261935
Ion Ratio Lower Upper
119 100
91 65.4 30.8 92.4
134 29.1 12.8 38.3

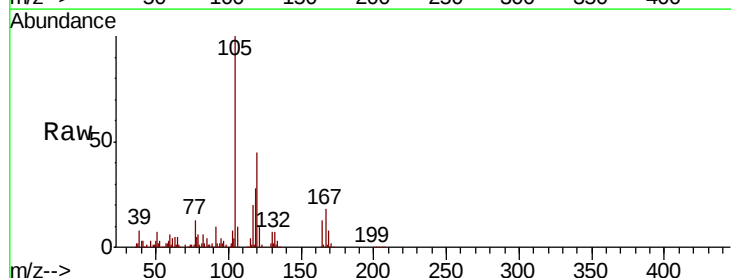


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

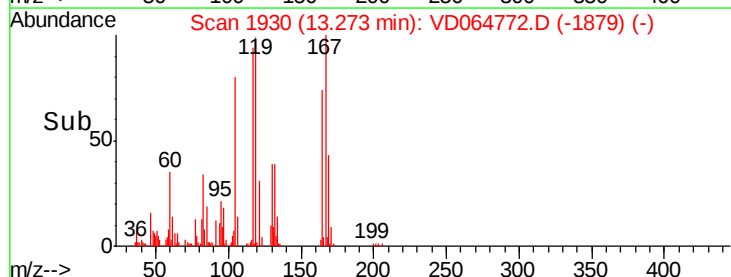
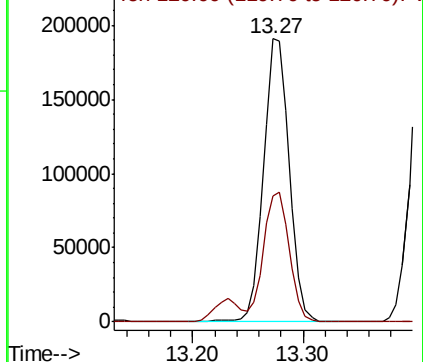


#84
1,2,4-Trimethylbenzene
Concen: 21.544 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion:105 Resp: 312071
Ion Ratio Lower Upper
105 100
120 45.9 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: 21.314 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

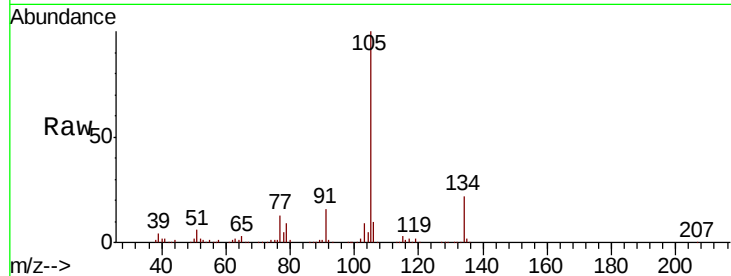
ClientSampled :

Tot Ion:105 Resp: 368999

Ion Ratio Lower Upper

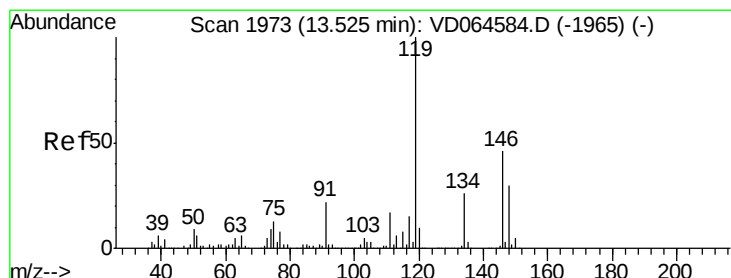
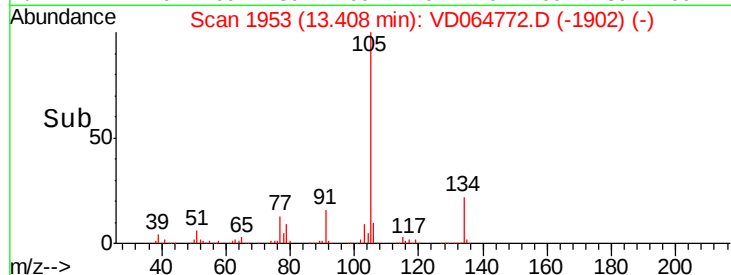
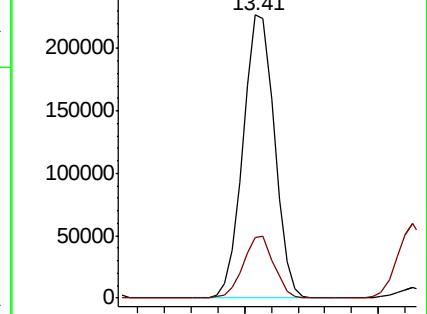
105 100

134 21.2 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: 21.385 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

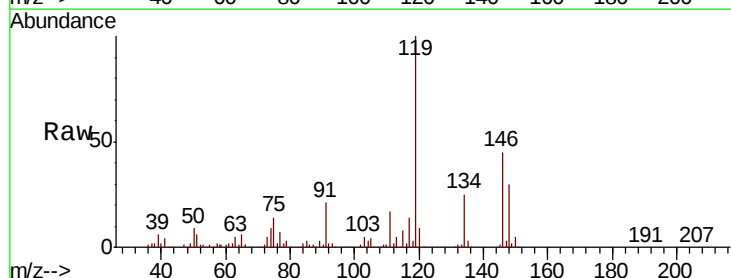
Tgt Ion:119 Resp: 354002

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

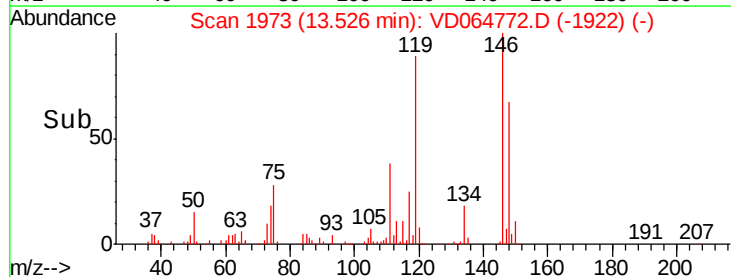
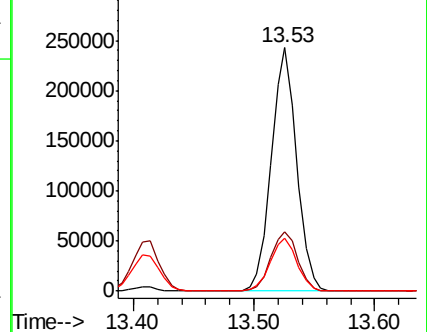
91 22.6 11.2 33.6

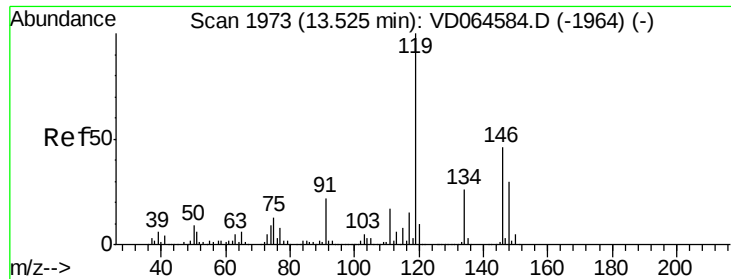


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

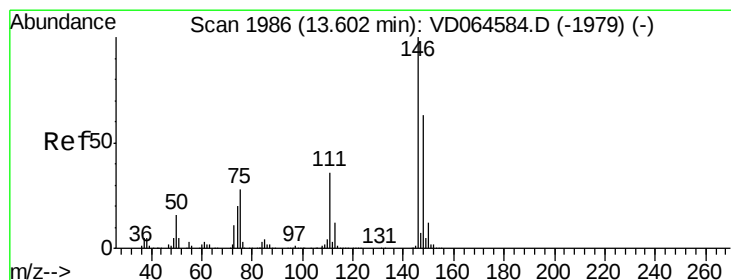
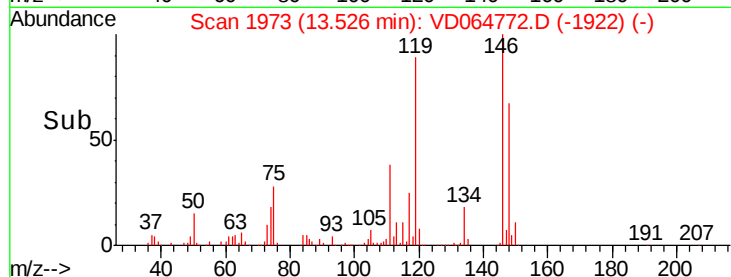
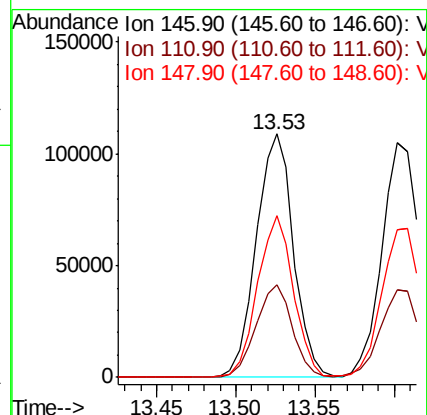
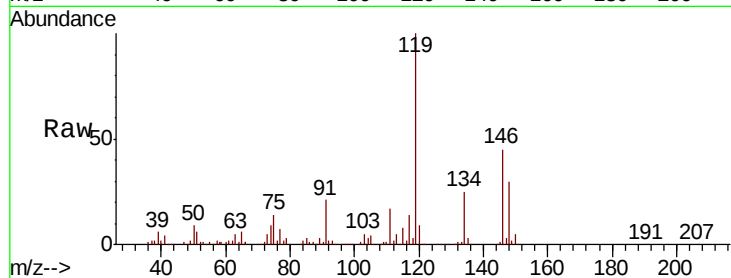




#87
 1,3-Dichlorobenzene
 Concen: 21.406 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

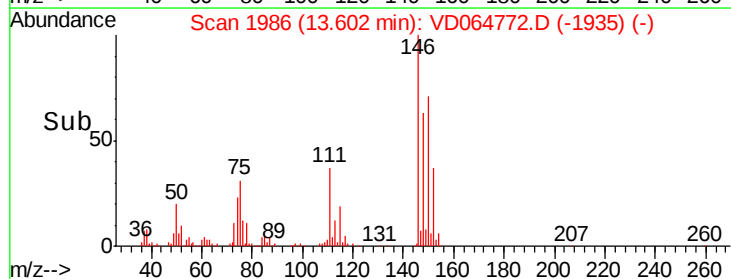
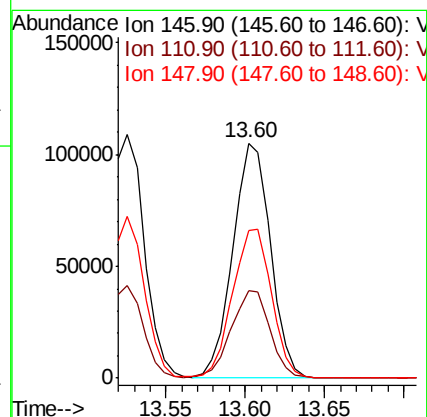
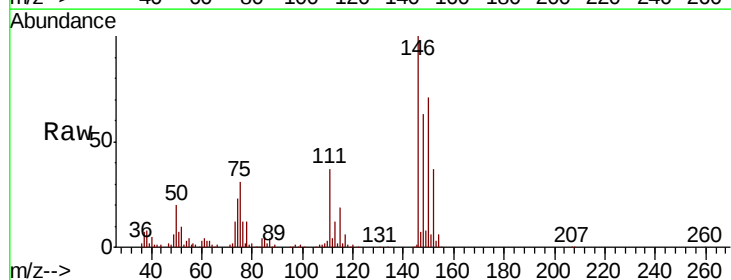
Instrument :
 MSVOA_D
 ClientSampleID :

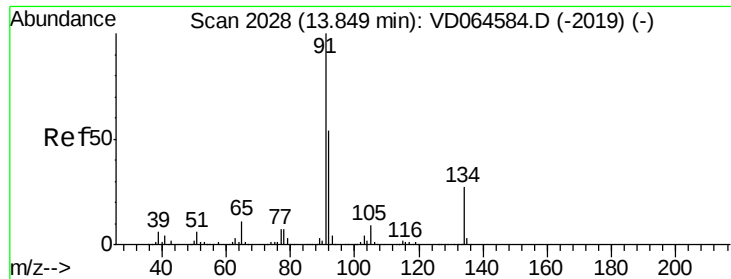
Tot Ion:146 Resp: 177533
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.8 56.4
 148 64.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.234 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion:146 Resp: 172998
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.1 54.1
 148 65.8 32.3 96.9

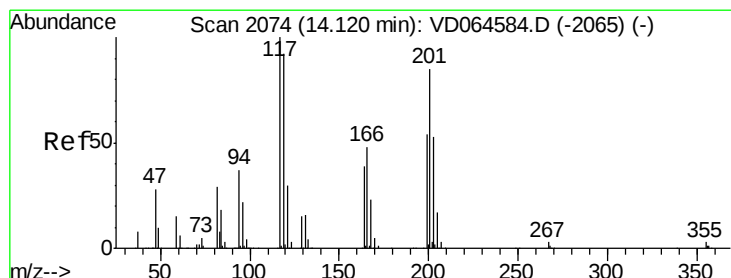
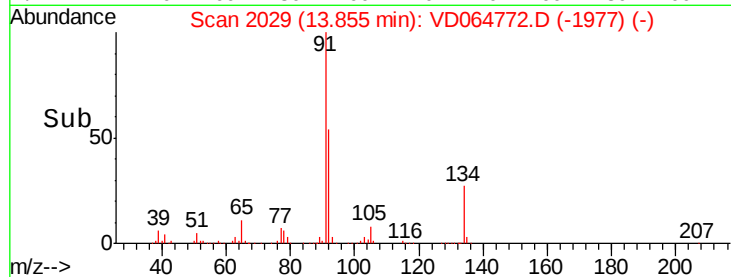
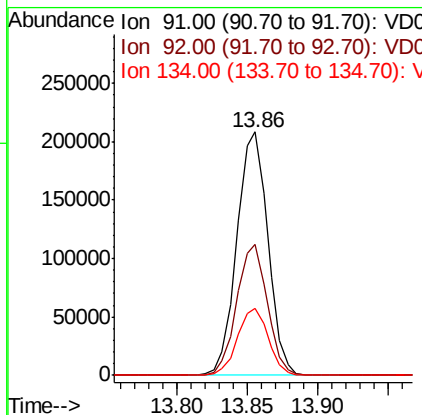
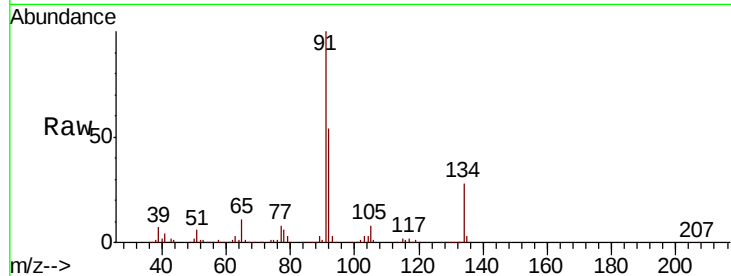




#89
n-Butylbenzene
Concen: 21.442 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

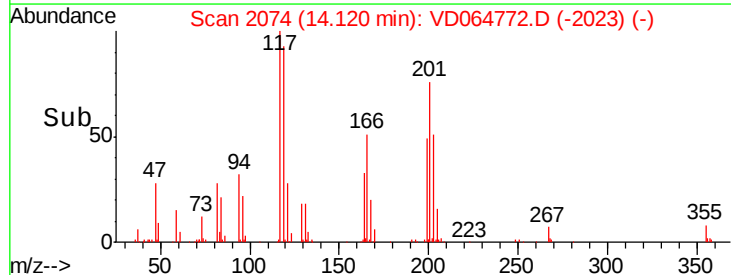
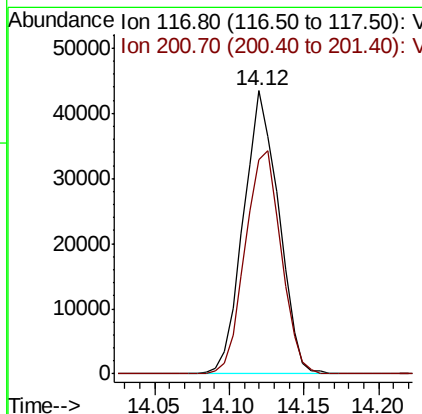
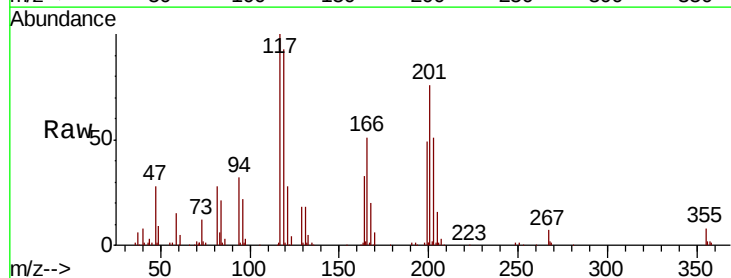
Instrument :
MSVOA_D
ClientSampled :

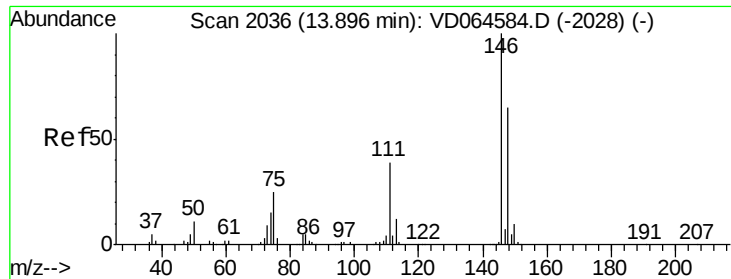
Tot Ion: 91 Resp: 319643
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 22.412 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion: 117 Resp: 70869
Ion Ratio Lower Upper
117 100
201 80.5 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 21.152 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

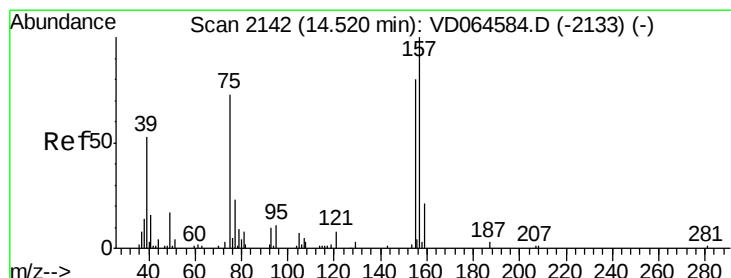
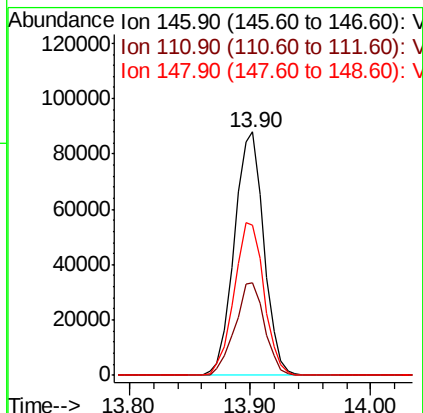
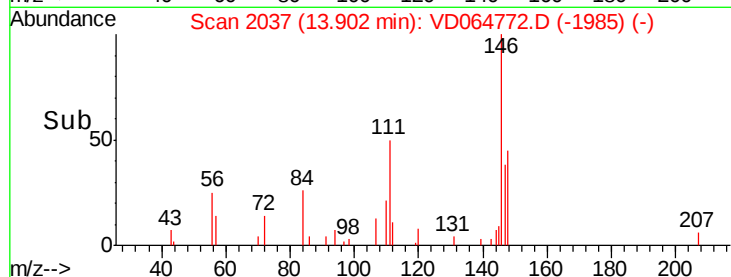
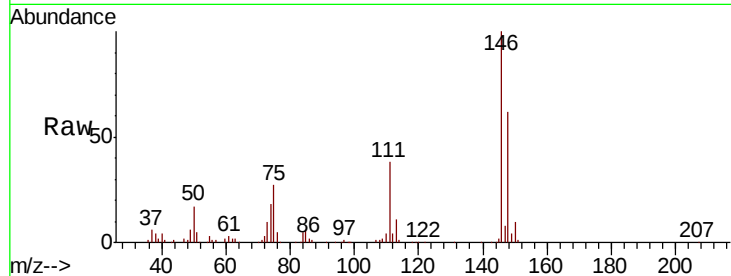
Tot Ion:146 Resp: 149585

Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.9

148 63.8 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.929 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064772.D

Acq: 06 Jan 2020 14:48

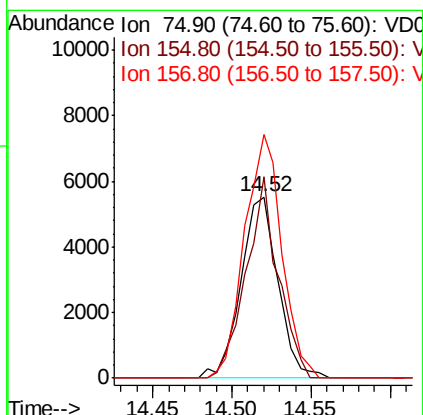
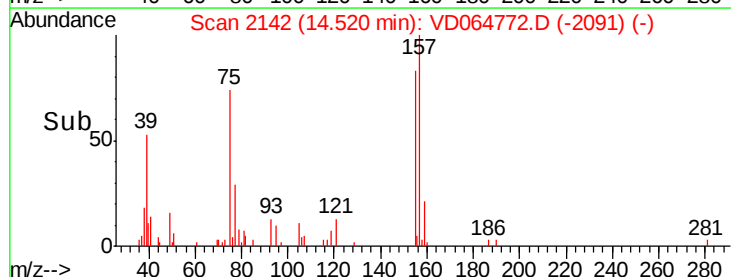
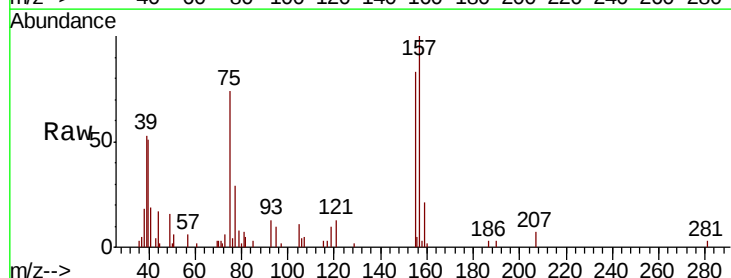
Tgt Ion: 75 Resp: 8986

Ion Ratio Lower Upper

75 100

155 95.9 48.0 144.0

157 135.1 64.1 192.3

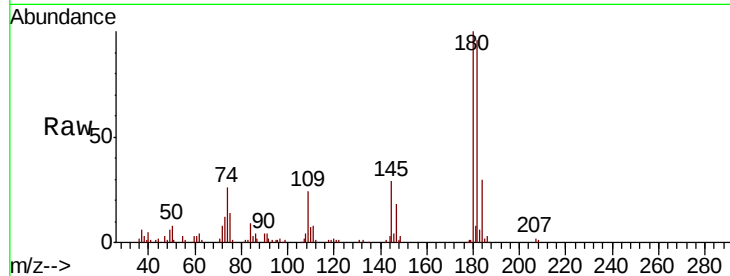




#93
 1,2,4-Trichlorobenzene
 Concen: 20.603 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	29.3	13.8	41.4

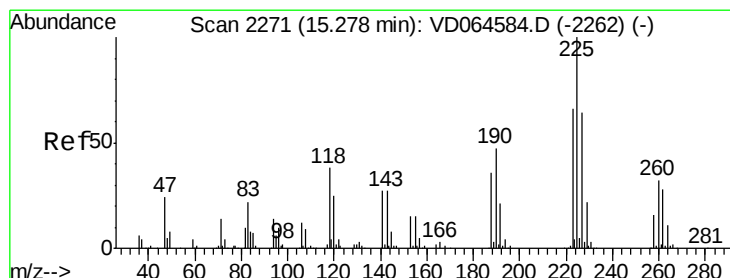
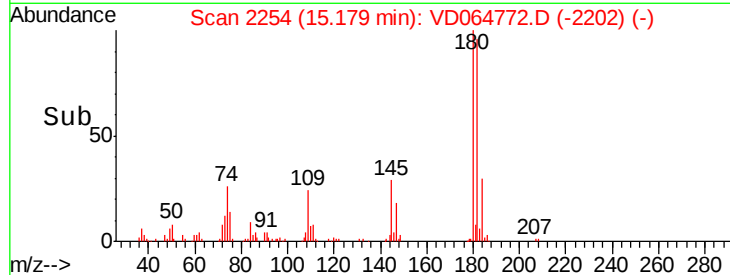
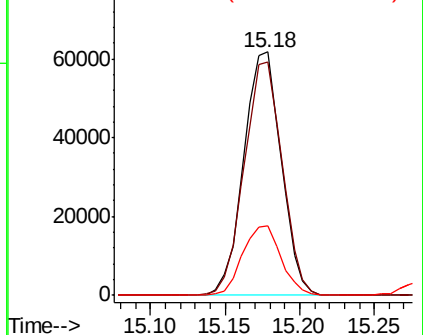


Abundance

Ion 179.80 (179.50 to 180.50): V

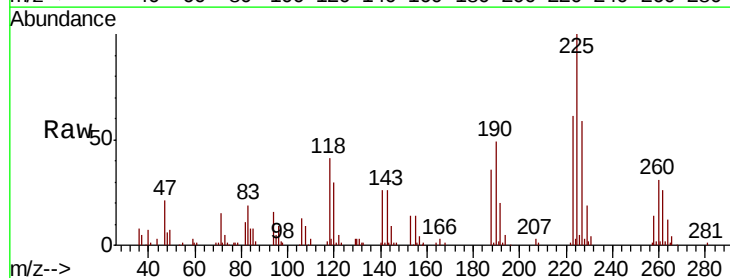
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.925 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064772.D
 Acq: 06 Jan 2020 14:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.6	31.1	93.2
227	65.0	30.9	92.7

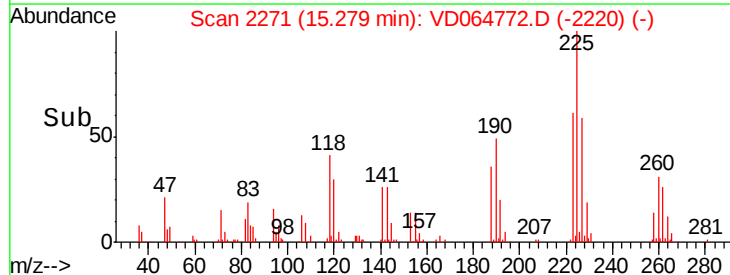
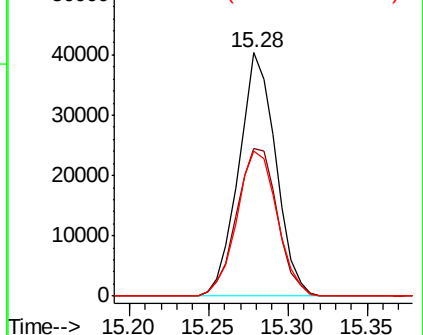


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

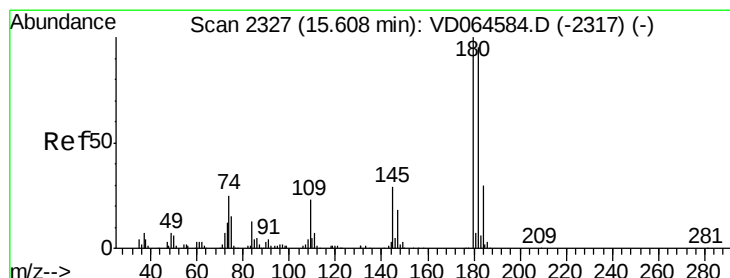
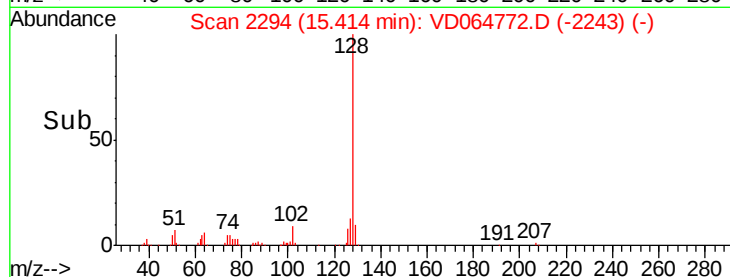
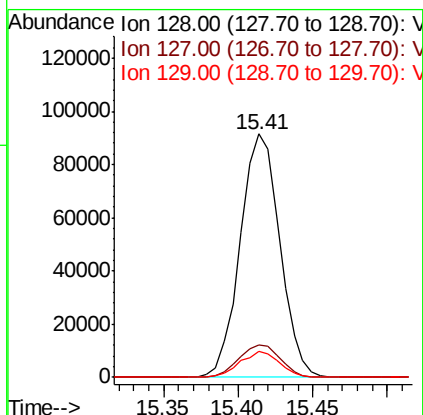
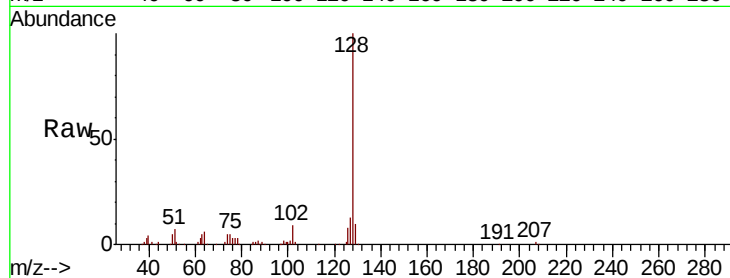




#95
Naphthalene
Concen: 20.453 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 168489
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.264 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064772.D
Acq: 06 Jan 2020 14:48

Tgt Ion:180 Resp: 90079
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 30.5 14.9 44.7

