

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064768.D
 Acq On : 04 Jan 2020 08:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 8.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:54:27 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	329003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	513549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	471673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236393	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	175032	60.33	ug/l	0.00
Spiked Amount			Recovery	=	120.66%	
35) Dibromofluoromethane	7.92	113	170336	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
50) Toluene-d8	10.34	98	642891	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.64	95	210379	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	114890	44.934	ug/l	98
3) Chloromethane	2.21	50	193380	54.079	ug/l	96
4) Vinyl Chloride	2.35	62	227274	52.127	ug/l	94
5) Bromomethane	2.77	94	169188	53.369	ug/l	94
6) Chloroethane	2.92	64	161366	55.235	ug/l	99
7) Trichlorofluoromethane	3.27	101	352148	47.969	ug/l	98
8) Diethyl Ether	3.71	74	86460	59.308	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	141402	46.509	ug/l	98
10) Methyl Iodide	4.29	142	179662	55.014	ug/l	99
11) Tert butyl alcohol	5.26	59	53770	323.402	ug/l	96
12) 1,1-Dichloroethene	4.06	96	145859	50.391	ug/l	99
13) Acrolein	3.92	56	66431	286.694	ug/l	100
14) Allyl chloride	4.71	41	248835	55.138	ug/l	99
15) Acrylonitrile	5.43	53	189401	311.912	ug/l	98
16) Acetone	4.17	43	146764	239.188	ug/l	96
17) Carbon Disulfide	4.40	76	451920	48.285	ug/l	97
18) Methyl Acetate	4.73	43	98860	60.528	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	396680	61.700	ug/l	96
20) Methylene Chloride	4.97	84	187235	64.525	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	182560	55.381	ug/l	99
22) Diisopropyl ether	6.37	45	557879	61.977	ug/l	97
23) Vinyl Acetate	6.31	43	1576803	308.805	ug/l	99
24) 1,1-Dichloroethane	6.27	63	321030	59.408	ug/l	97
25) 2-Butanone	7.22	43	232399	291.429	ug/l	99
26) 2,2-Dichloropropane	7.21	77	235347	46.842	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	207479	58.320	ug/l	99
28) Bromochloromethane	7.55	49	134588	64.070	ug/l	99
29) Tetrahydrofuran	7.57	42	156757	316.098	ug/l	97
30) Chloroform	7.71	83	345967	61.022	ug/l	99
31) Cyclohexane	7.99	56	244014	45.111	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	296325	55.646	ug/l	99
36) 1,1-Dichloropropene	8.11	75	243982	49.360	ug/l	99
37) Ethyl Acetate	7.30	43	110962	57.143	ug/l	99
38) Carbon Tetrachloride	8.10	117	261409	49.598	ug/l	98

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 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	260664	43.540	ug/l	96
40) Benzene	8.35	78	737553	54.660	ug/l	98
41) Methacrylonitrile	7.57	41	155943	138.413	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	224803	57.652	ug/l	98
43) Isopropyl Acetate	8.46	43	218016	56.407	ug/l	99
44) Trichloroethene	9.11	130	201356	50.796	ug/l	98
45) 1,2-Dichloropropane	9.39	63	182987	56.797	ug/l	99
46) Dibromomethane	9.48	93	103481	57.610	ug/l	98
47) Bromodichloromethane	9.67	83	272407	56.992	ug/l	98
48) Methyl methacrylate	9.46	41	100244	55.083	ug/l	89
49) 1,4-Dioxane	9.47	88	24008	1159.140	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	553392	289.673	ug/l	99
52) Toluene	10.41	92	479793	54.197	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	251857	56.518	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	291009	55.382	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	137046	56.613	ug/l	96
56) Ethyl methacrylate	10.66	69	176015	58.221	ug/l	99
57) 1,3-Dichloropropane	10.95	76	239955	57.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	310186	269.302	ug/l	98
59) 2-Hexanone	10.99	43	376935	290.704	ug/l	99
60) Dibromochloromethane	11.14	129	194234	58.022	ug/l	100
61) 1,2-Dibromoethane	11.25	107	130530	54.669	ug/l	99
64) Tetrachloroethene	10.88	164	186752	51.609	ug/l	98
65) Chlorobenzene	11.67	112	517588	52.872	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	201902	54.709	ug/l	99
67) Ethyl Benzene	11.75	91	922971	51.944	ug/l	98
68) m/p-Xylenes	11.86	106	708629	103.325	ug/l	98
69) o-Xylene	12.18	106	328978	53.106	ug/l	100
70) Styrene	12.20	104	603287	55.482	ug/l	98
71) Bromoform	12.37	173	115326	54.797	ug/l #	100
73) Isopropylbenzene	12.48	105	861766	51.013	ug/l	99
74) N-amyl acetate	12.30	43	202958	56.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	147299	55.506	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	191784	102.739	ug/l #	100
77) Bromobenzene	12.77	156	218071	52.536	ug/l	98
78) n-propylbenzene	12.83	91	1000567	50.770	ug/l	100
79) 2-Chlorotoluene	12.91	91	565008	52.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	718445	51.773	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	44970	50.385	ug/l	98
82) 4-Chlorotoluene	13.01	91	597896	51.895	ug/l	99
83) tert-Butylbenzene	13.23	119	610314	50.654	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	727544	52.642	ug/l	98
85) sec-Butylbenzene	13.41	105	821945	49.760	ug/l	100
86) p-Isopropyltoluene	13.53	119	791120	50.089	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	414985	52.443	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	405537	52.169	ug/l	99
89) n-Butylbenzene	13.86	91	702033	49.358	ug/l	98
90) Hexachloroethane	14.12	117	158437	52.514	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	360553	53.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23387	54.363	ug/l	93

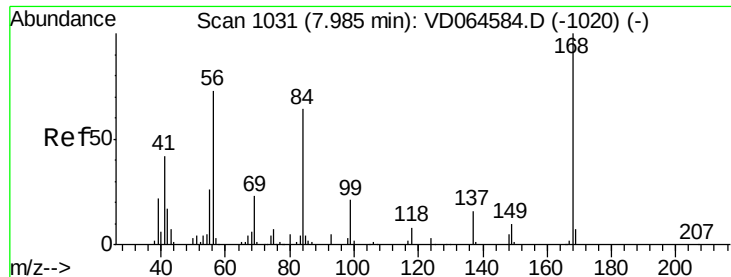
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	255332	51.393	ug/l	98
94) Hexachlorobutadiene	15.28	225	141037	45.112	ug/l	97
95) Naphthalene	15.41	128	427902	54.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	225015	53.052	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

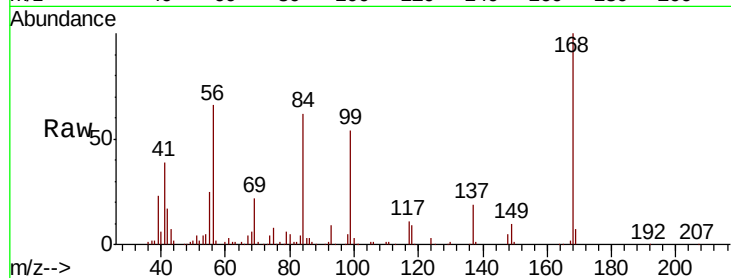
ClientSampleId :

Tot Ion:168 Resp: 329003

Ion Ratio Lower Upper

168 100

99 53.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

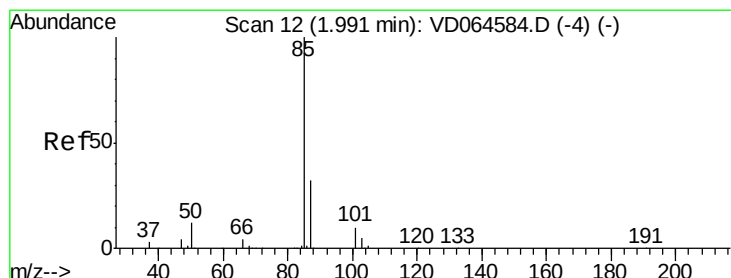
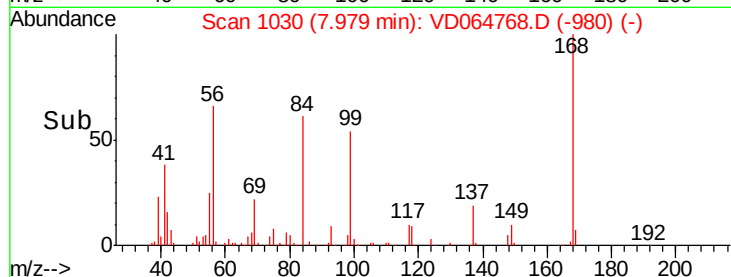
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.934 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064768.D

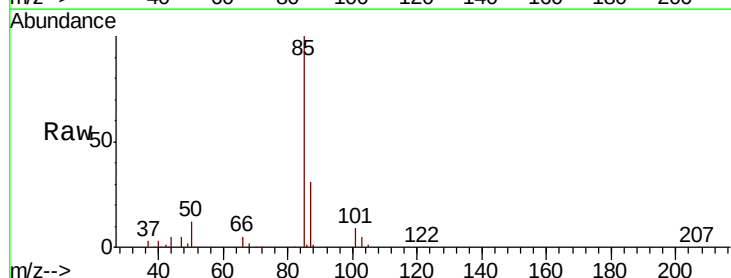
Acq: 04 Jan 2020 08:47

Tgt Ion: 85 Resp: 114890

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

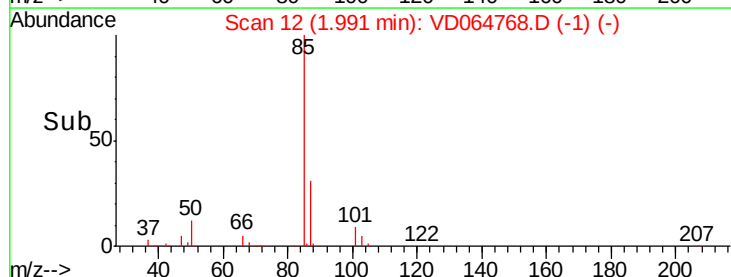
40000

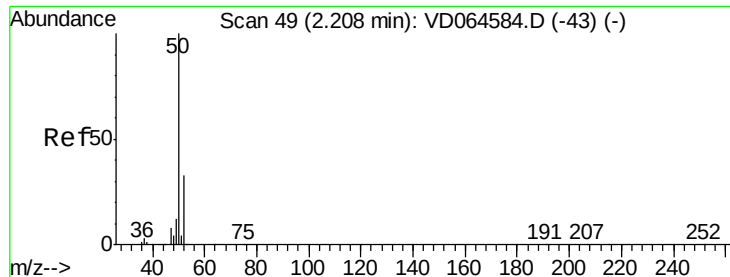
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 54.079 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

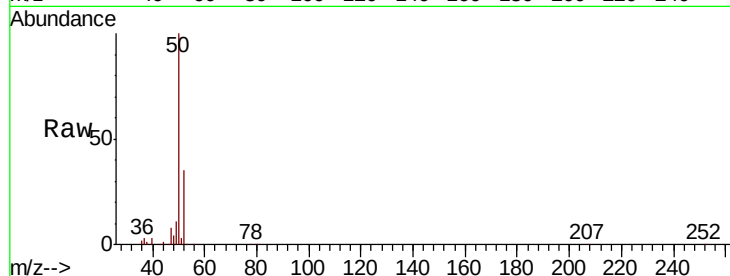
ClientSampleId :

Tot Ion: 50 Resp: 193380

Ion Ratio Lower Upper

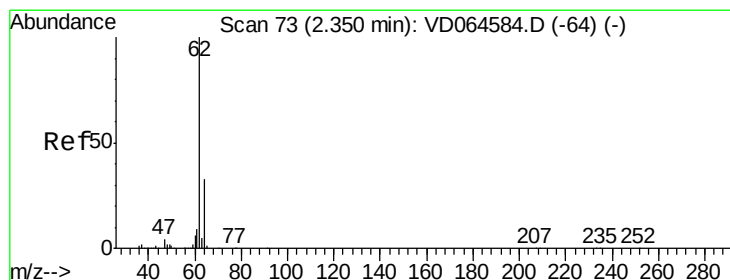
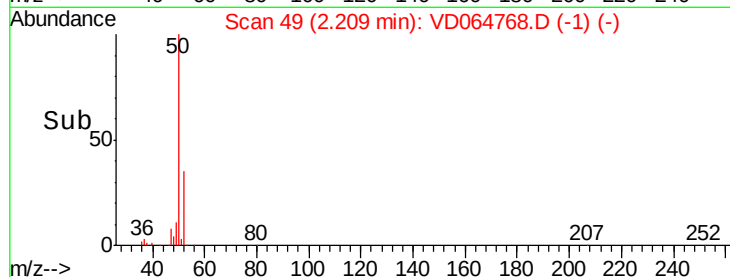
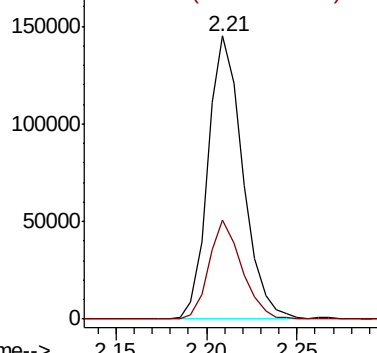
50 100

52 35.1 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: 52.127 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064768.D

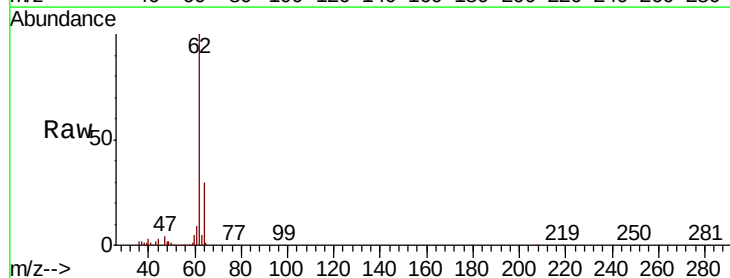
Acq: 04 Jan 2020 08:47

Tgt Ion: 62 Resp: 227274

Ion Ratio Lower Upper

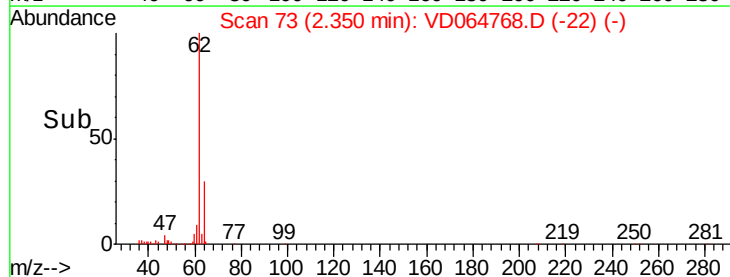
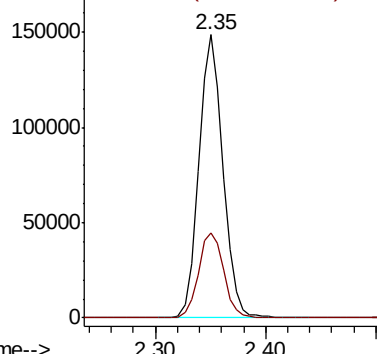
62 100

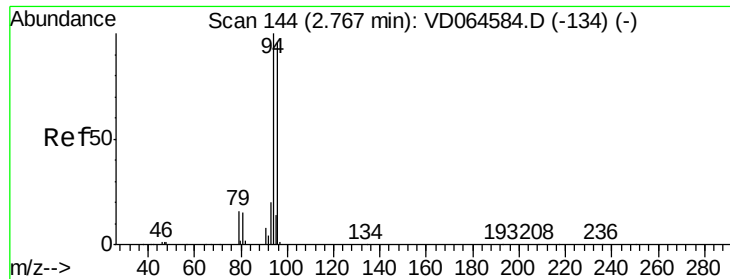
64 30.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.369 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

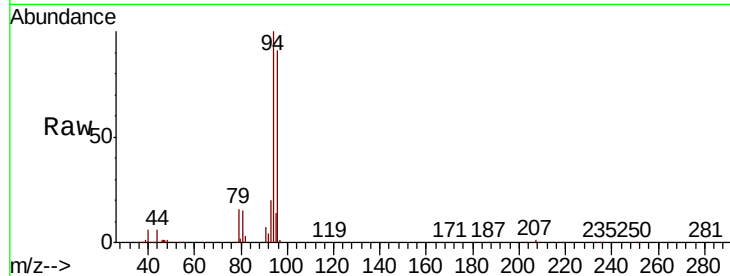
ClientSampleId :

Tot Ion: 94 Resp: 169188

Ion Ratio Lower Upper

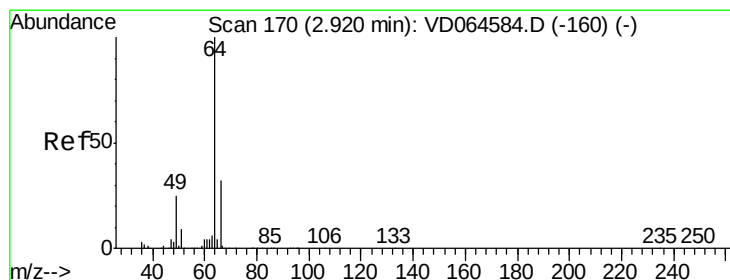
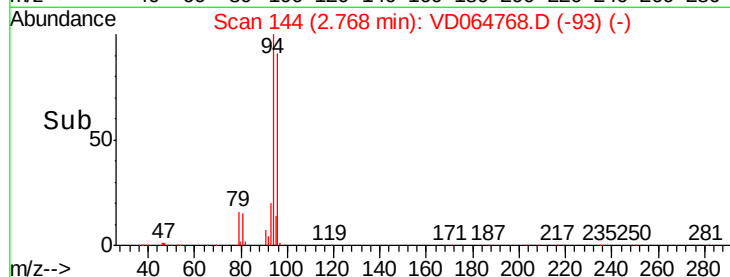
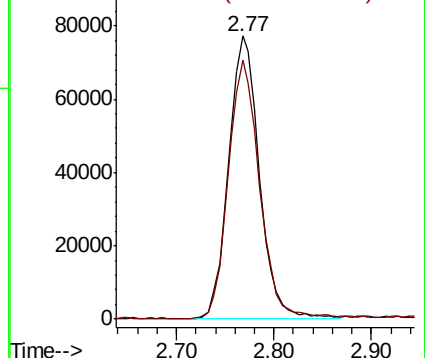
94 100

96 91.0 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: 55.235 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064768.D

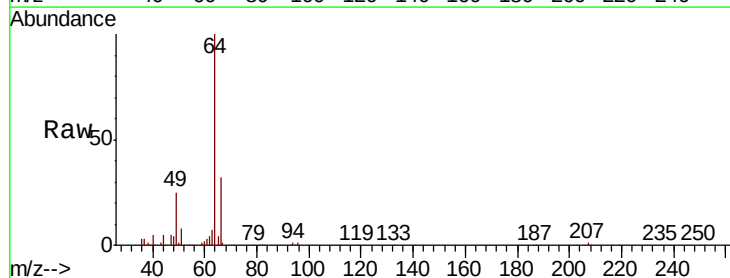
Acq: 04 Jan 2020 08:47

Tgt Ion: 64 Resp: 161366

Ion Ratio Lower Upper

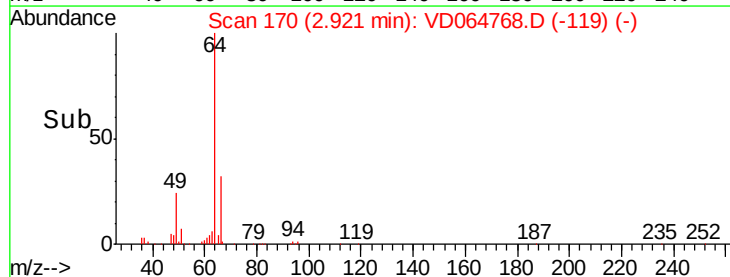
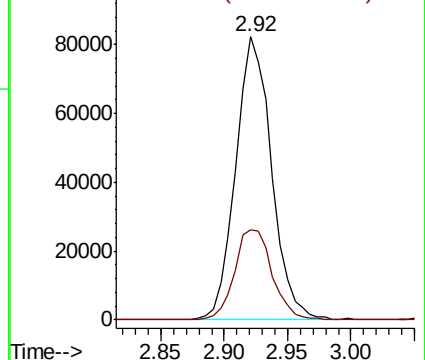
64 100

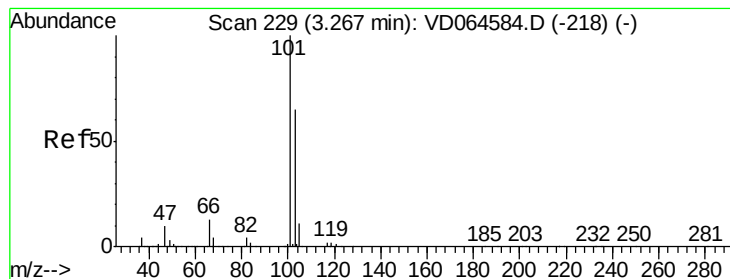
66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



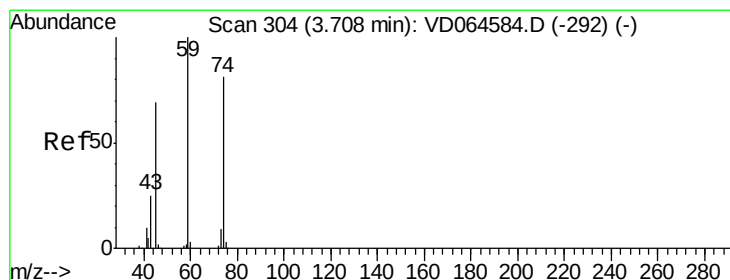
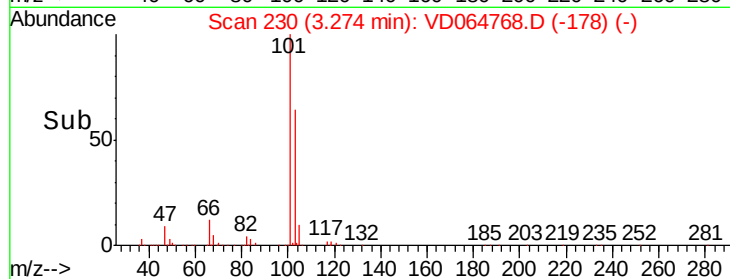
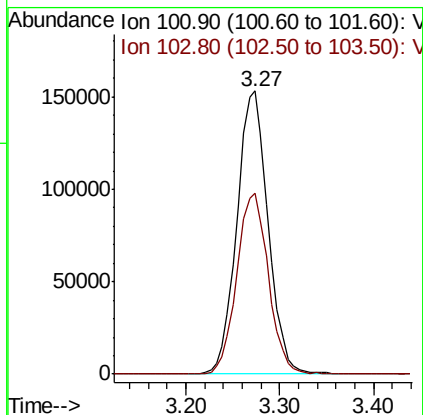
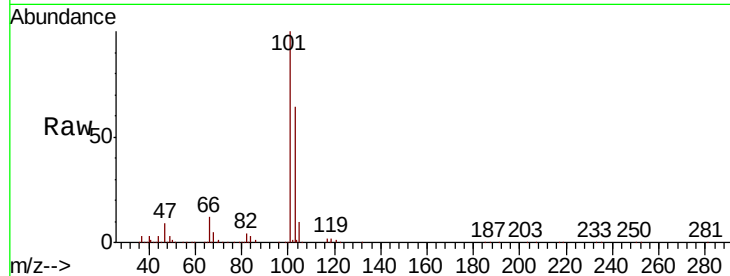


#7

Trichlorofluoromethane
Concen: 47.969 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Instrument :
MSVOA_D
ClientSampleId :

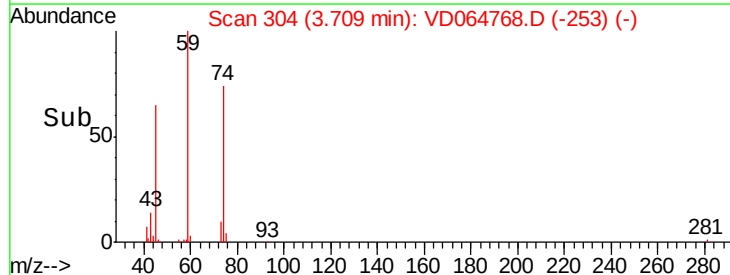
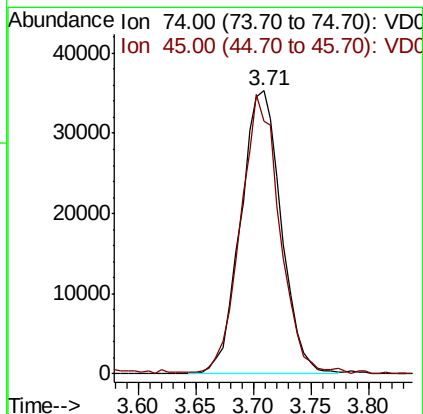
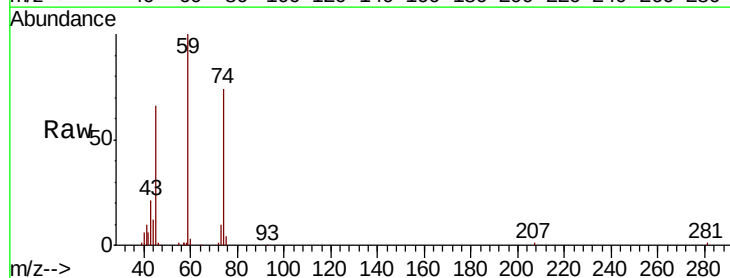
Tot Ion:101 Resp: 352148
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4

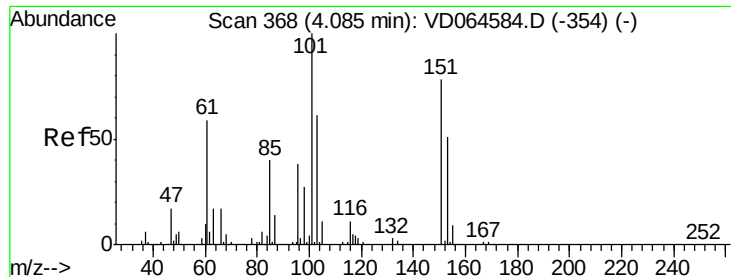


#8

Diethyl Ether
Concen: 59.308 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 74 Resp: 86460
Ion Ratio Lower Upper
74 100
45 95.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.509 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampleId :

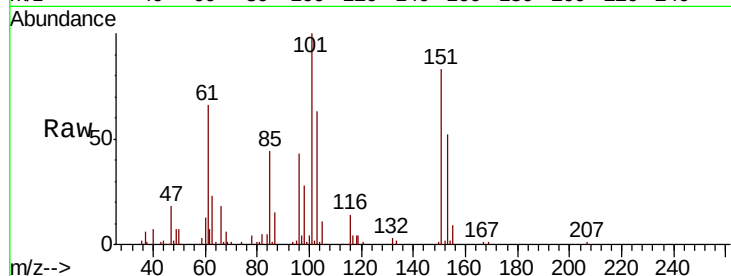
Tot Ion:101 Resp: 141402

Ion Ratio Lower Upper

101 100

85 45.0 35.2 52.8

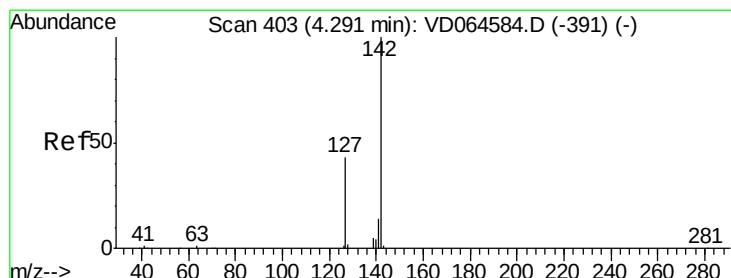
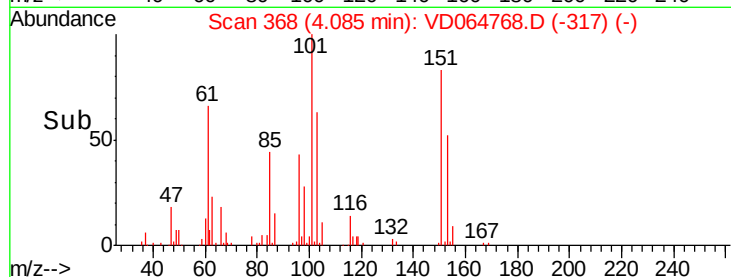
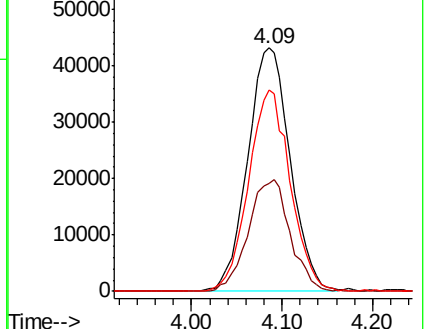
151 80.8 66.2 99.4



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: 55.014 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

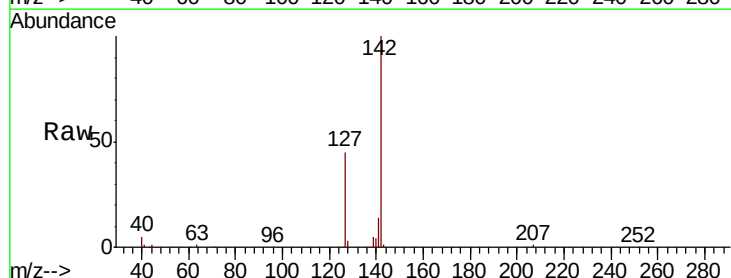
Tgt Ion:142 Resp: 179662

Ion Ratio Lower Upper

142 100

127 46.5 36.2 54.4

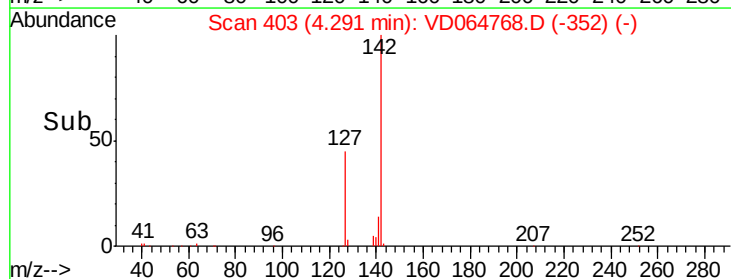
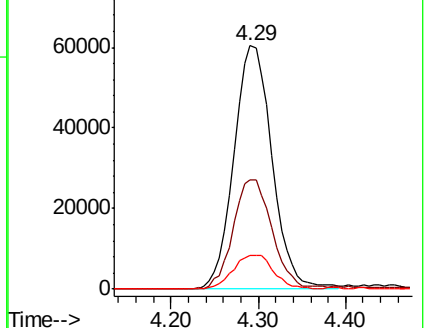
141 14.7 11.8 17.8

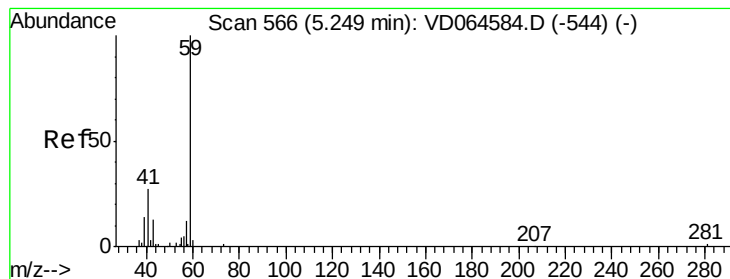


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



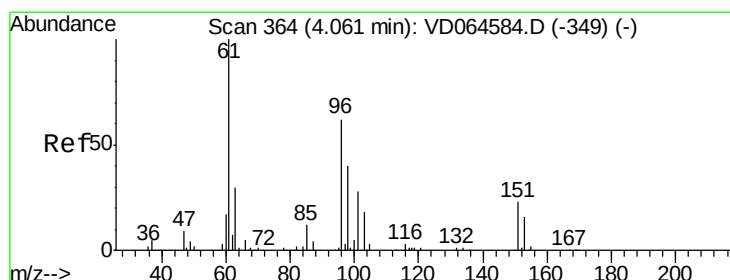
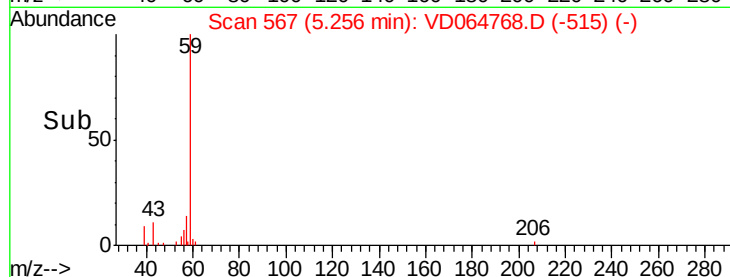
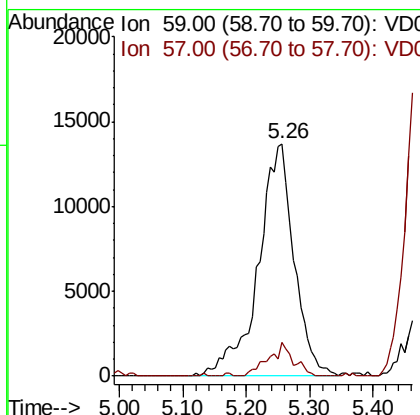
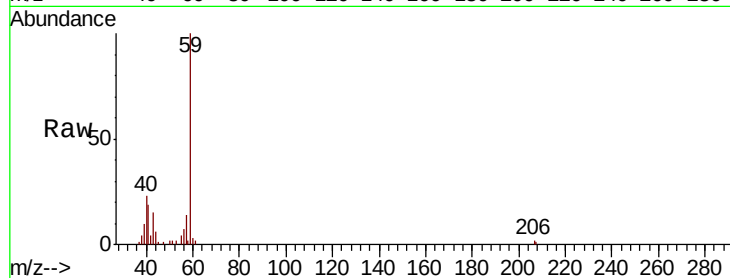


#11

Tert butyl alcohol
 Concen: 323.402 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Instrument :
 MSVOA_D
 ClientSampleId :

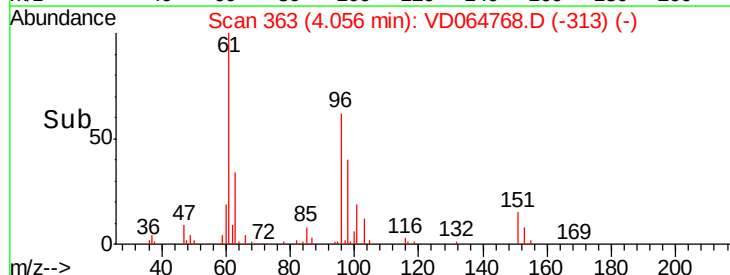
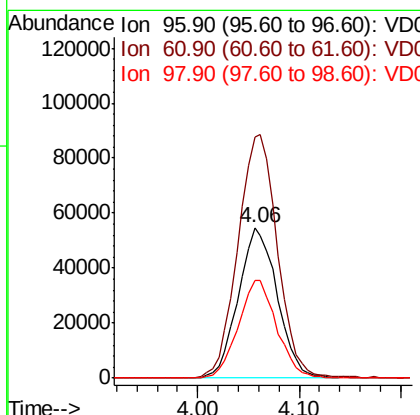
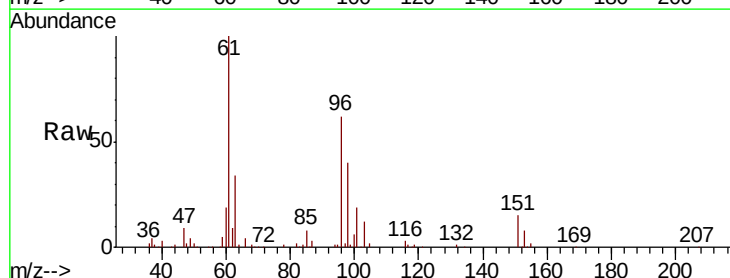
Tot Ion: 59 Resp: 53770
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.3 13.9

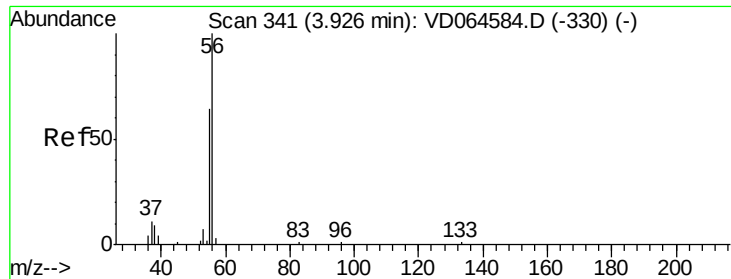


#12

1,1-Dichloroethene
 Concen: 50.391 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 96 Resp: 145859
 Ion Ratio Lower Upper
 96 100
 61 160.5 129.4 194.0
 98 64.6 51.4 77.0





#13

Acrolein

Concen: 286.694 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

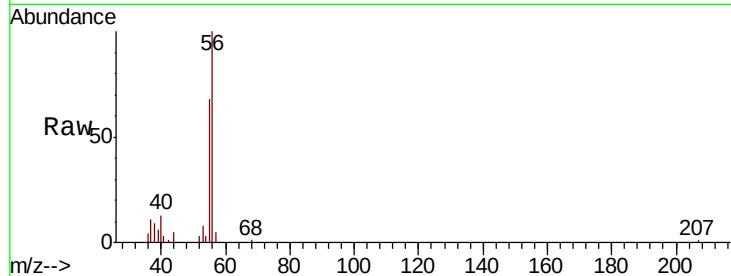
ClientSampleId :

Tot Ion: 56 Resp: 66431

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

25000

20000

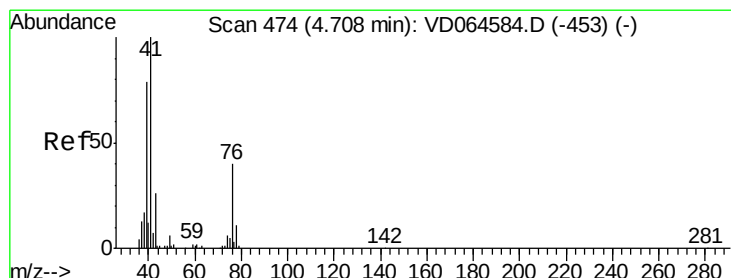
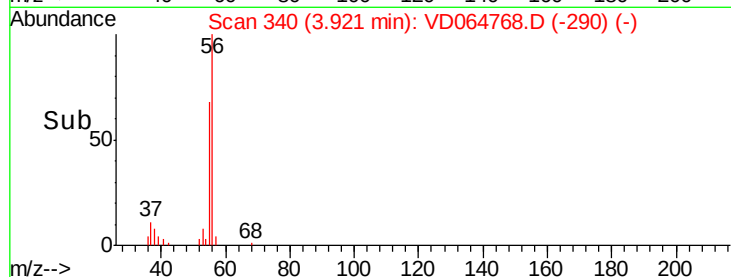
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 55.138 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

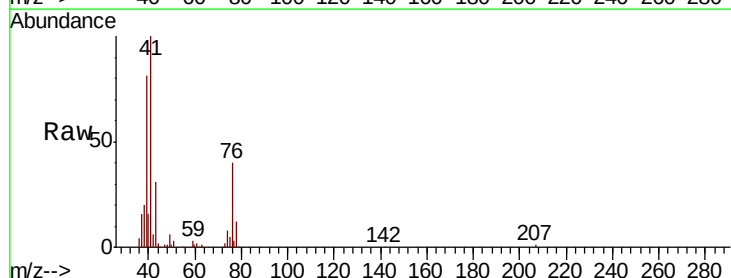
Tgt Ion: 41 Resp: 248835

Ion Ratio Lower Upper

41 100

39 78.6 62.3 93.5

76 37.8 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

100000

80000

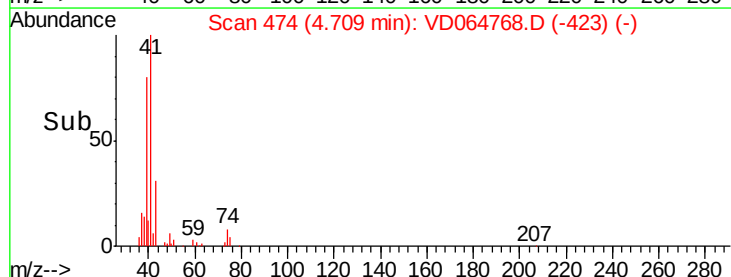
60000

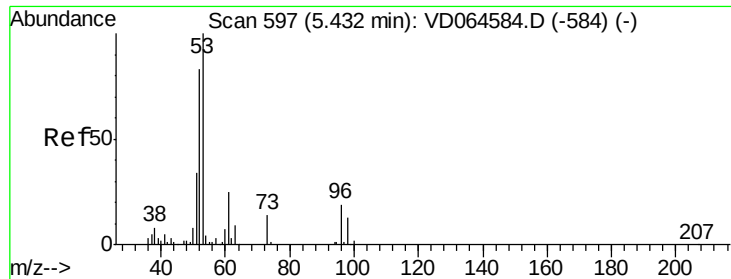
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 311.912 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampleId :

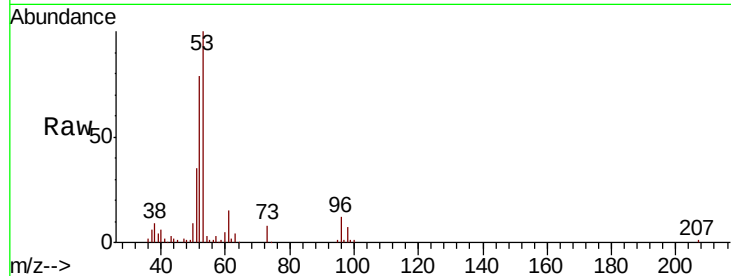
Tot Ion: 53 Resp: 189401

Ion Ratio Lower Upper

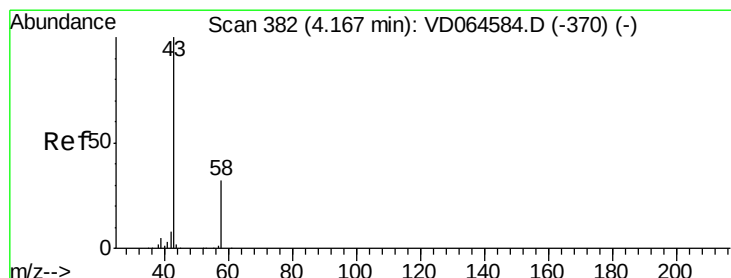
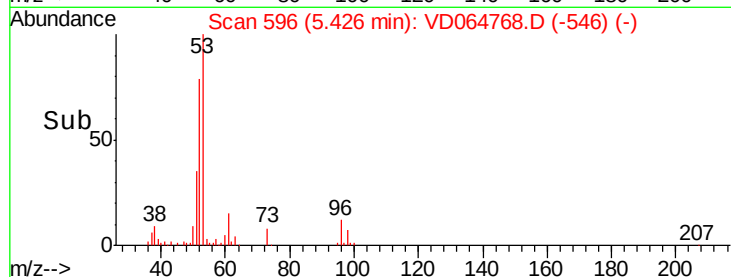
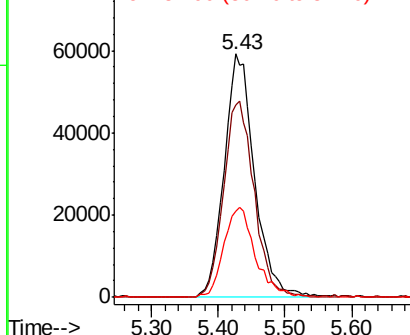
53 100

52 81.1 66.2 99.2

51 38.5 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: 239.188 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064768.D

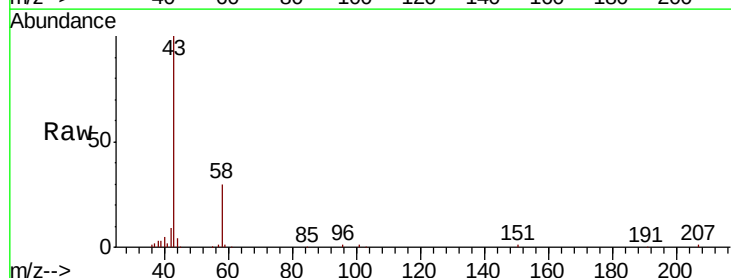
Acq: 04 Jan 2020 08:47

Tgt Ion: 43 Resp: 146764

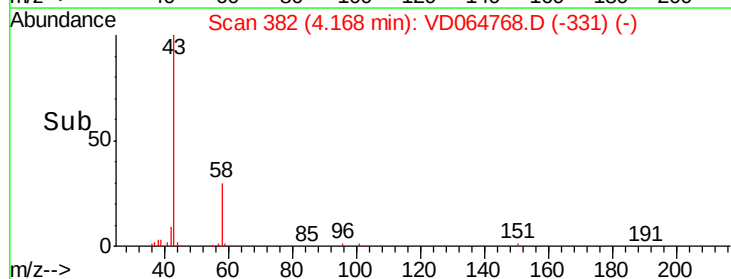
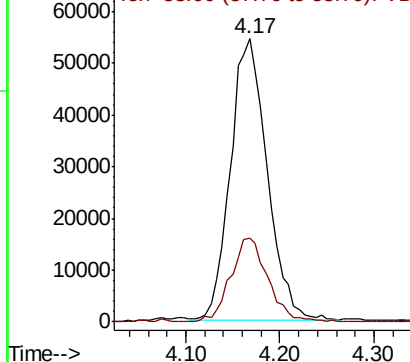
Ion Ratio Lower Upper

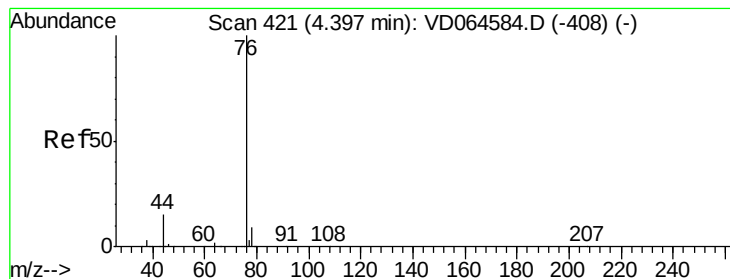
43 100

58 29.9 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: 48.285 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

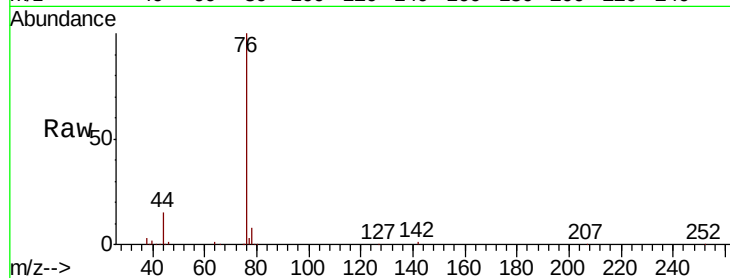
ClientSampleId :

Tot Ion: 76 Resp: 451920

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

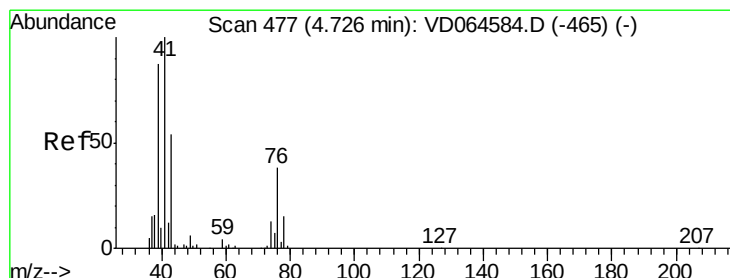
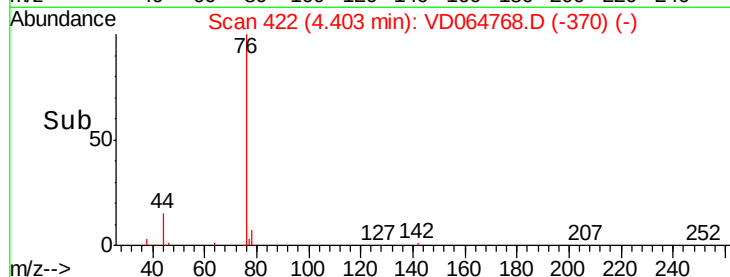
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.528 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064768.D

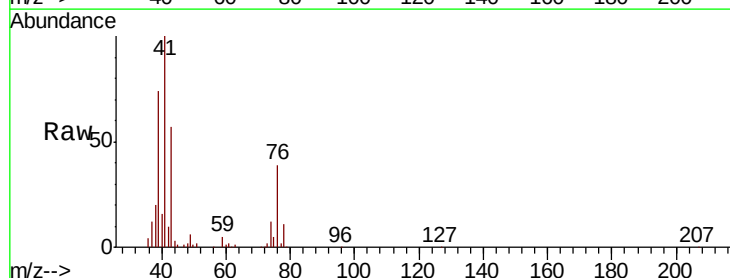
Acq: 04 Jan 2020 08:47

Tgt Ion: 43 Resp: 98860

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

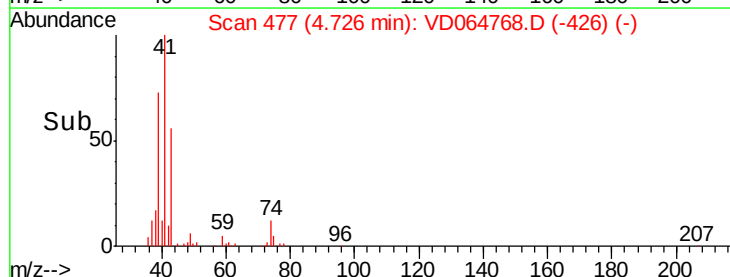
30000

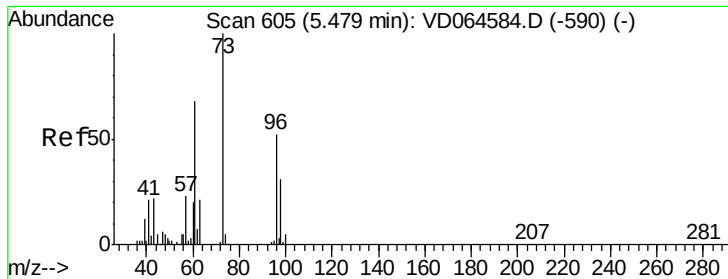
20000

10000

0

Time-->

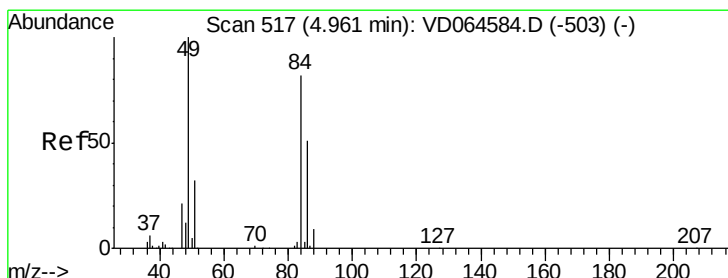
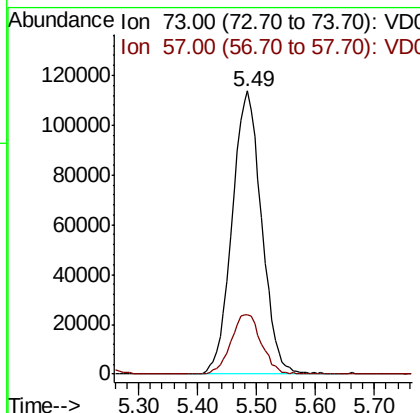
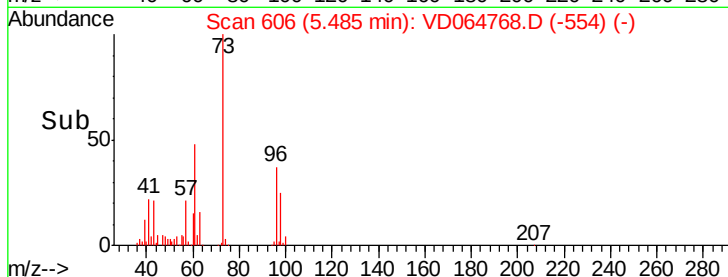
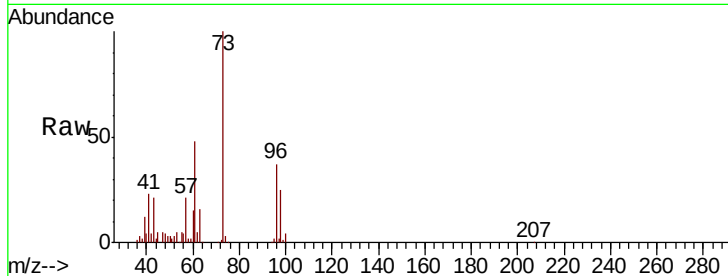




#19
Methyl tert-butyl Ether
Concen: 61.700 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

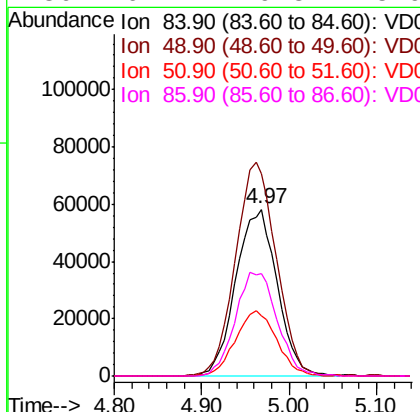
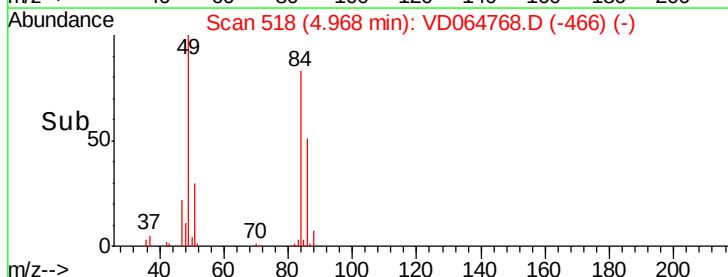
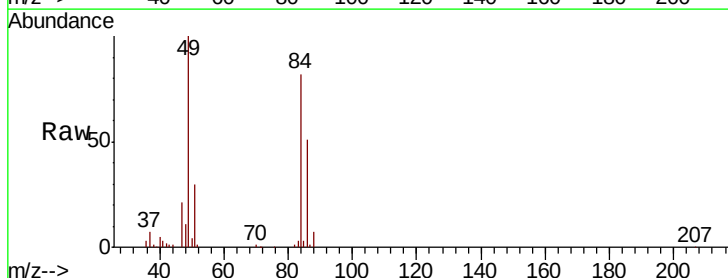
Instrument :
MSVOA_D
ClientSampleId :

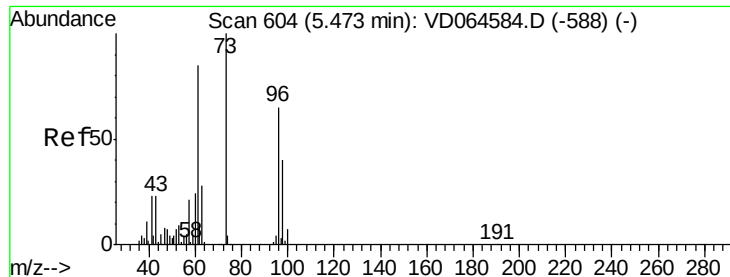
Tot Ion: 73 Resp: 396680
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8



#20
Methylene Chloride
Concen: 64.525 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 84 Resp: 187235
Ion Ratio Lower Upper
84 100
49 121.1 97.2 145.8
51 36.5 31.4 47.0
86 61.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 55.381 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampled :

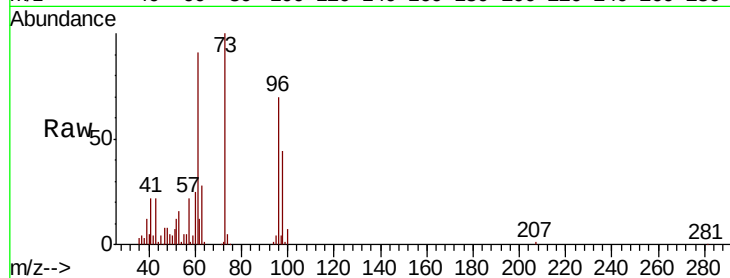
Tot Ion: 96 Resp: 182560

Ion Ratio Lower Upper

96 100

61 130.0 104.7 157.1

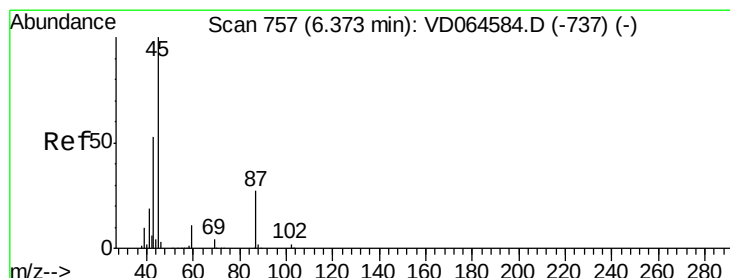
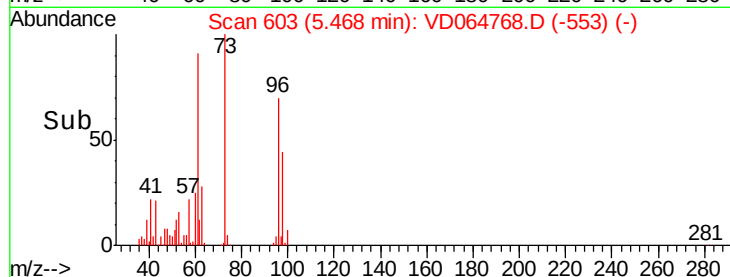
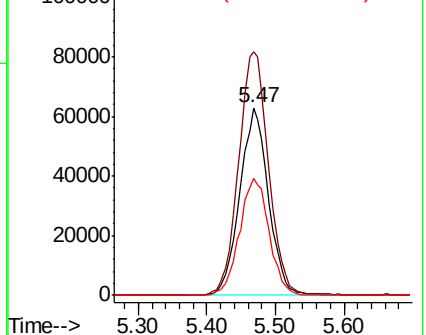
98 62.7 49.4 74.2



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: 61.977 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Tgt Ion: 45 Resp: 557879

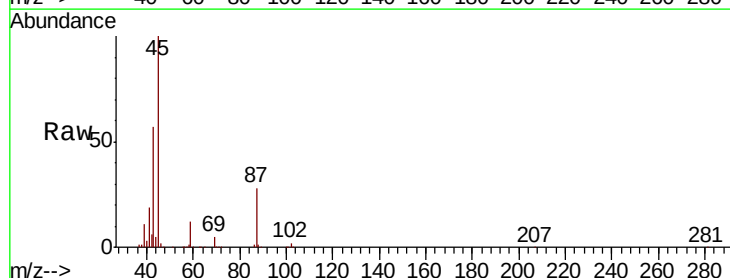
Ion Ratio Lower Upper

45 100

43 56.7 43.2 64.8

87 28.4 21.9 32.9

59 11.4 9.0 13.4

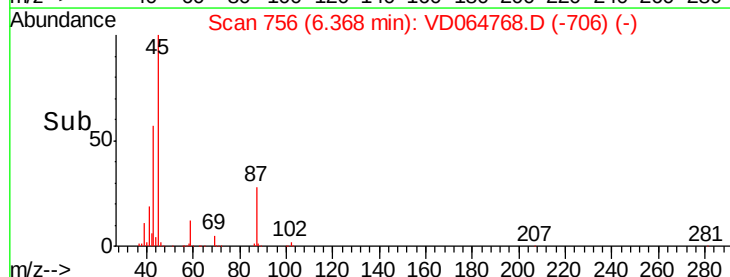
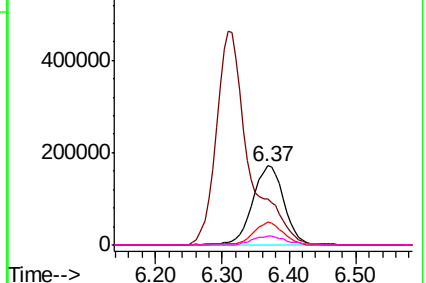


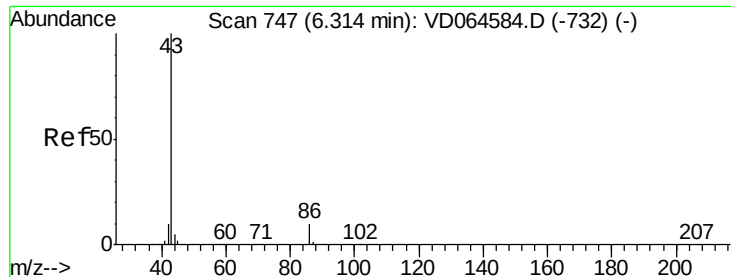
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 308.805 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

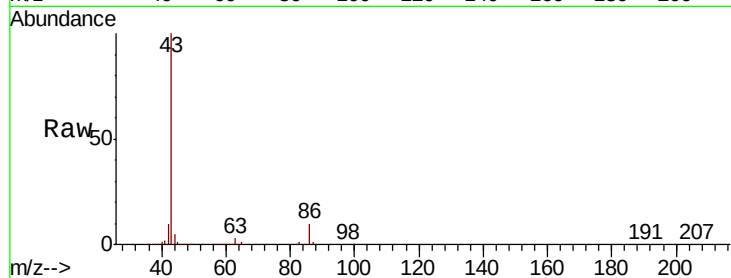
ClientSampled :

Tot Ion: 43 Resp: 1576803

Ion Ratio Lower Upper

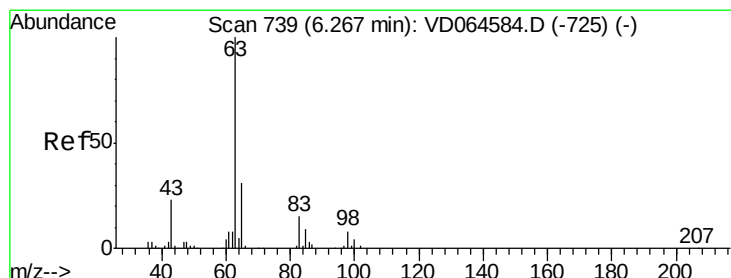
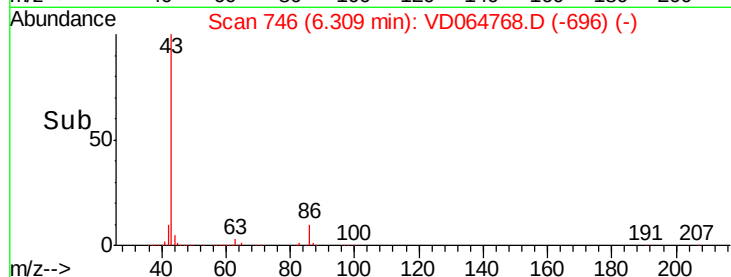
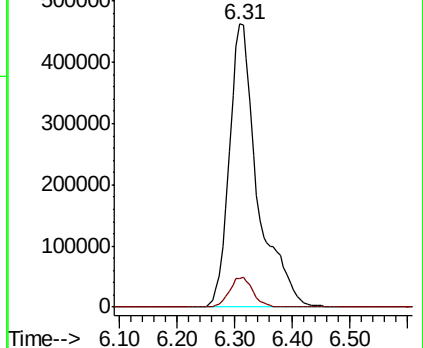
43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.408 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

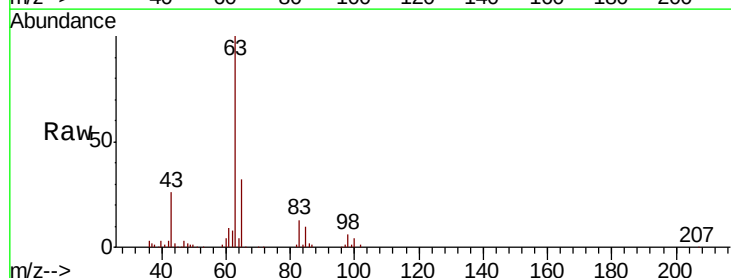
Tgt Ion: 63 Resp: 321030

Ion Ratio Lower Upper

63 100

98 6.4 4.1 12.3

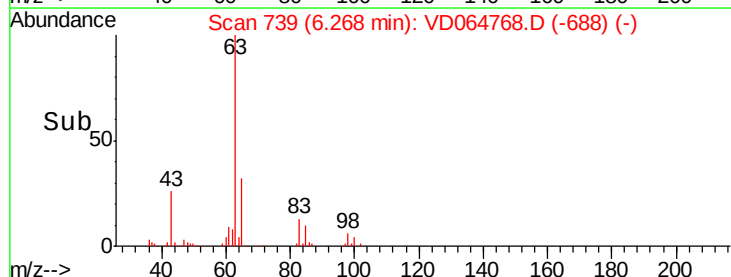
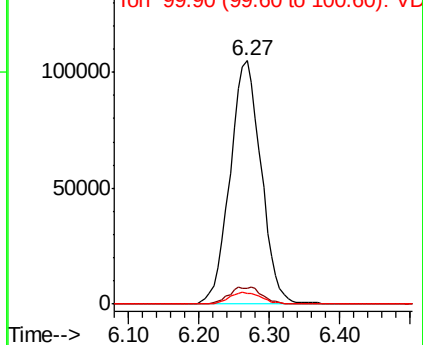
100 4.5 2.2 6.6

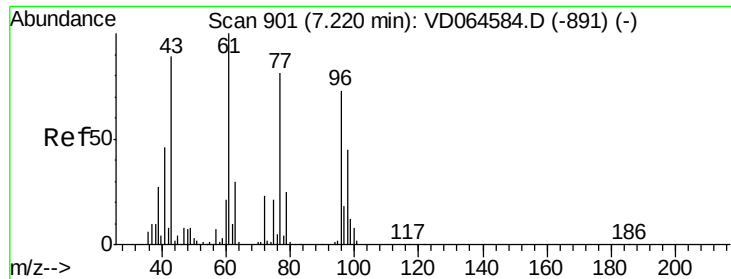


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 291.429 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

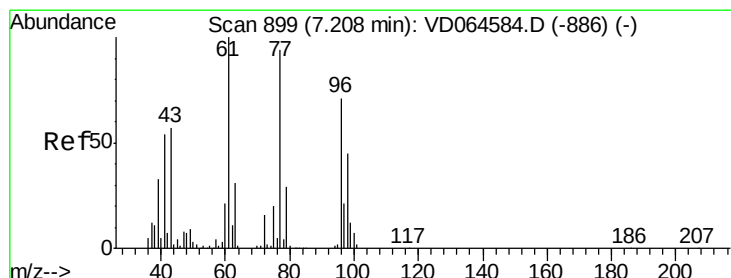
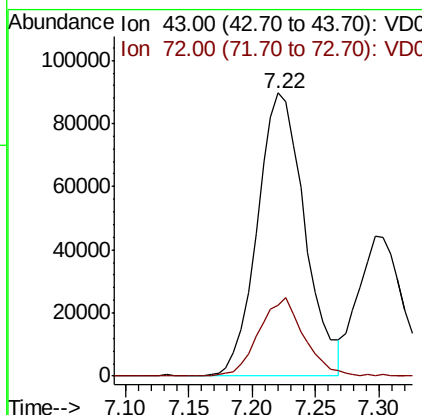
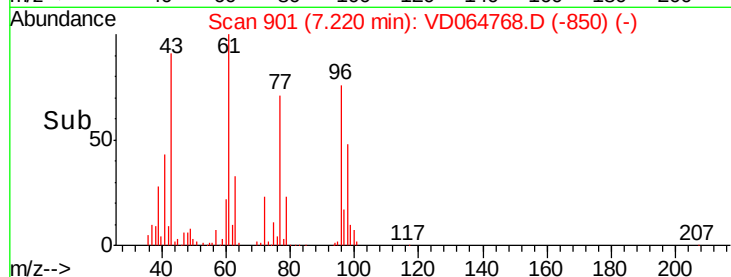
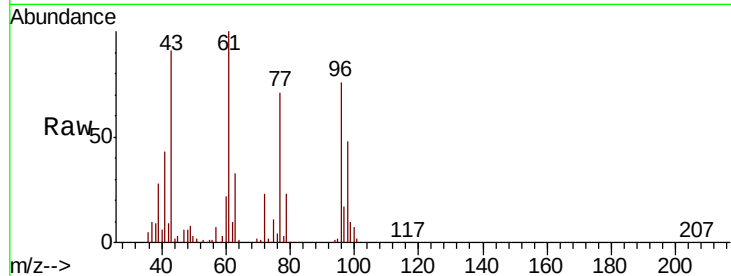
ClientSampled :

Tot Ion: 43 Resp: 232399

Ion Ratio Lower Upper

43 100

72 25.2 20.7 31.1



#26

2,2-Dichloropropane

Concen: 46.842 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064768.D

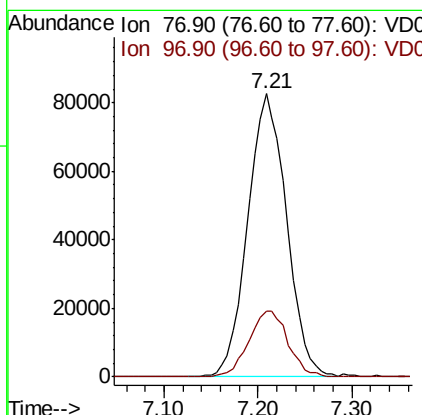
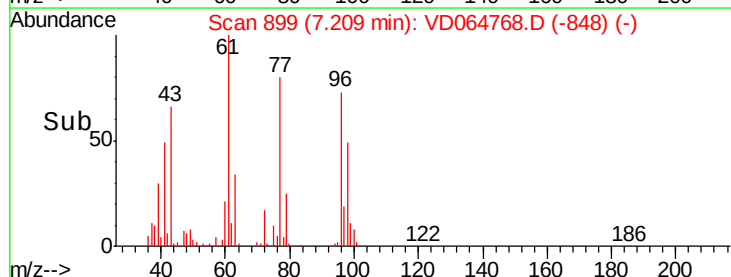
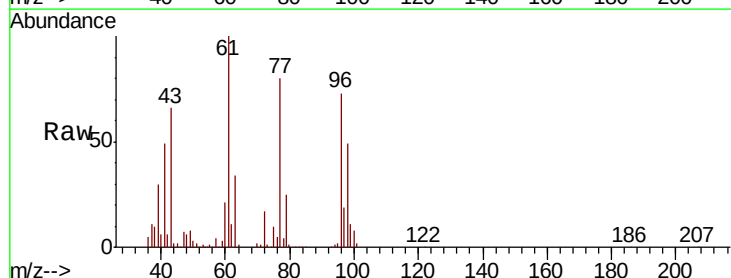
Acq: 04 Jan 2020 08:47

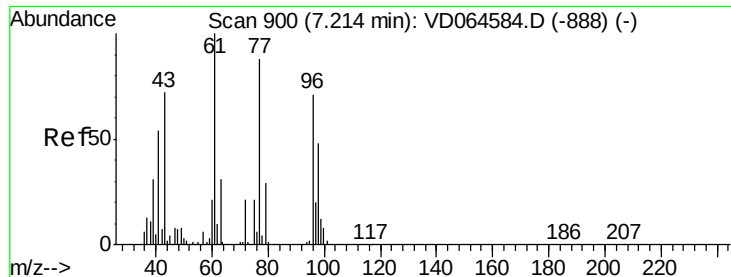
Tgt Ion: 77 Resp: 235347

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.6



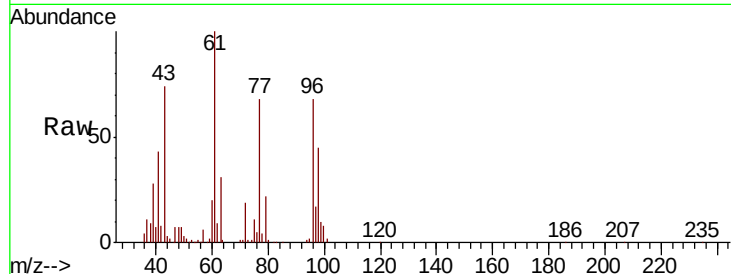


#27

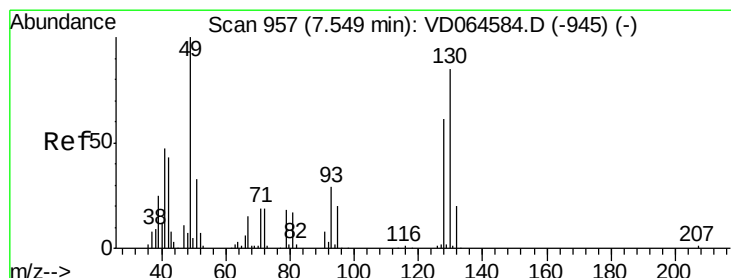
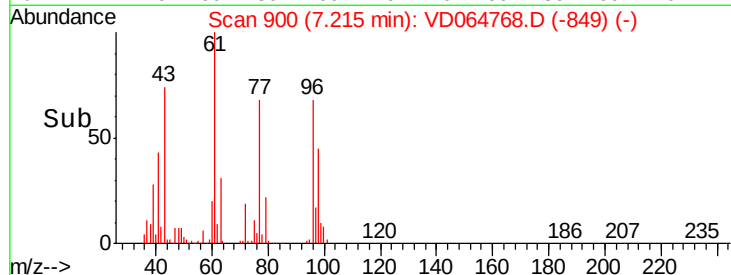
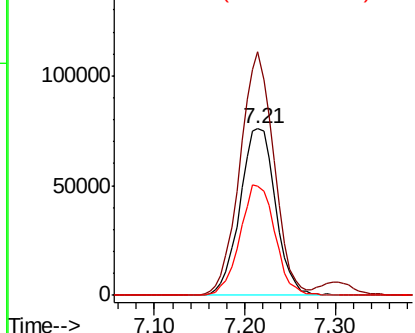
cis-1,2-Dichloroethene
 Concen: 58.320 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 207479
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 282.6
 98 65.0 0.0 130.8



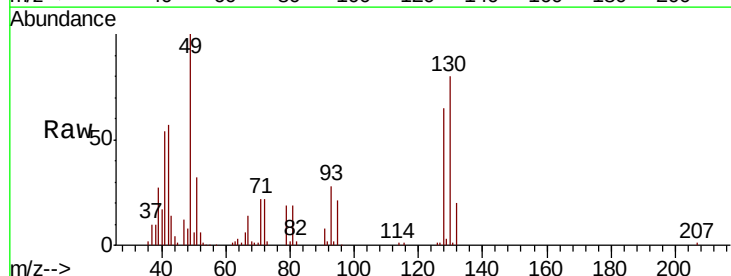
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



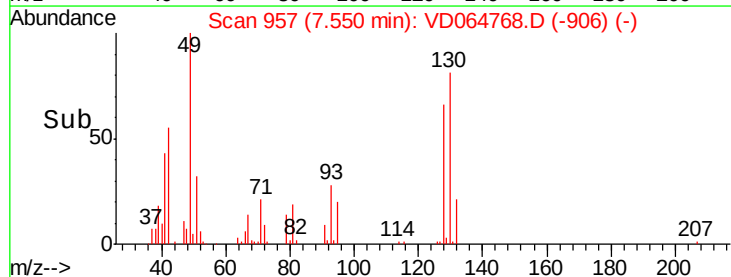
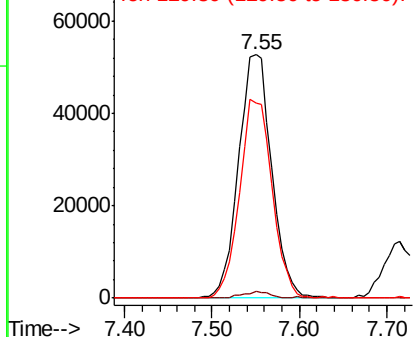
#28

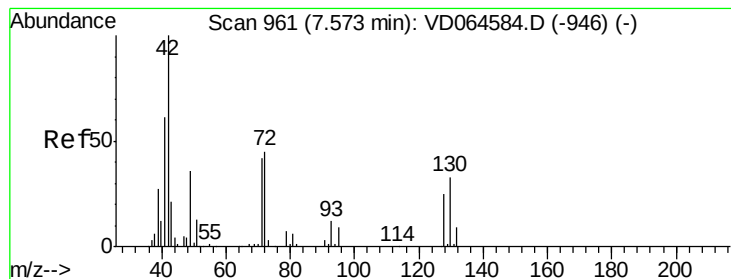
Bromochloromethane
 Concen: 64.070 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 49 Resp: 134588
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.8
 130 80.4 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 316.098 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :
MSVOA_D
ClientSampleId :

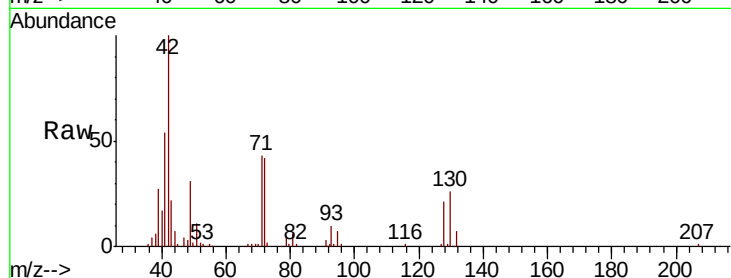
Tot Ion: 42 Resp: 156757

Ion Ratio Lower Upper

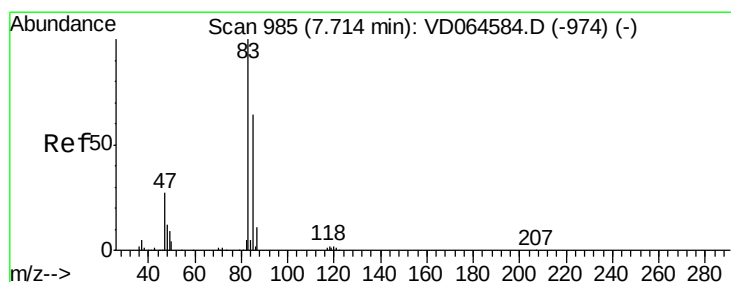
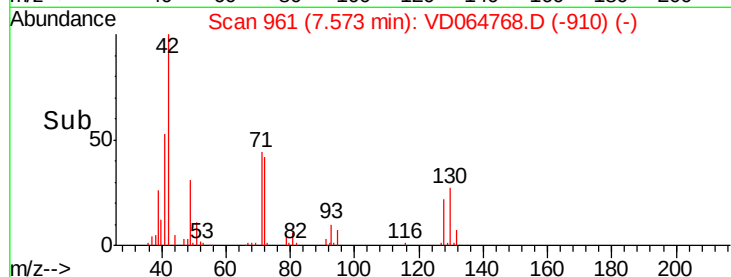
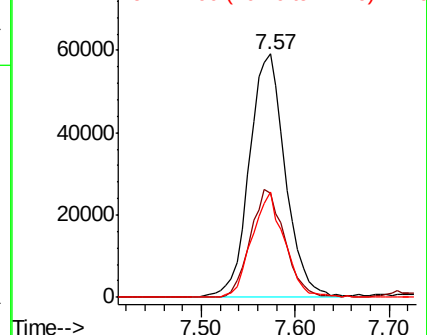
42 100

72 42.2 35.0 52.4

71 39.2 32.9 49.3



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



#30

Chloroform

Concen: 61.022 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064768.D

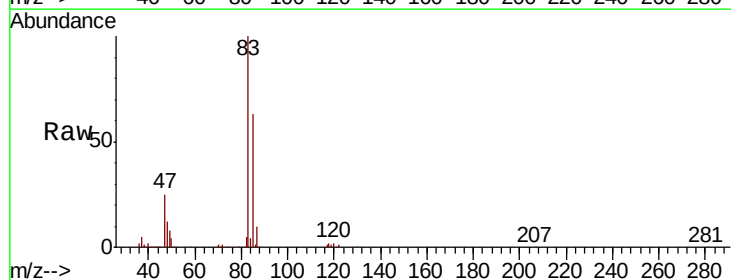
Acq: 04 Jan 2020 08:47

Tgt Ion: 83 Resp: 345967

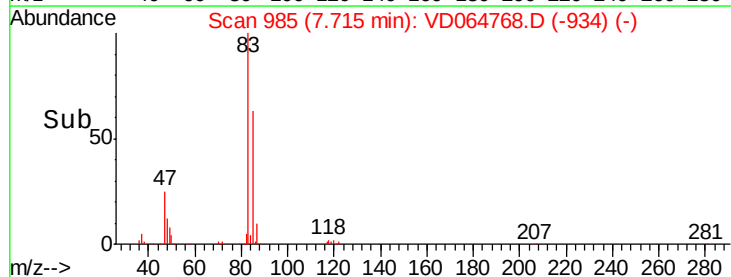
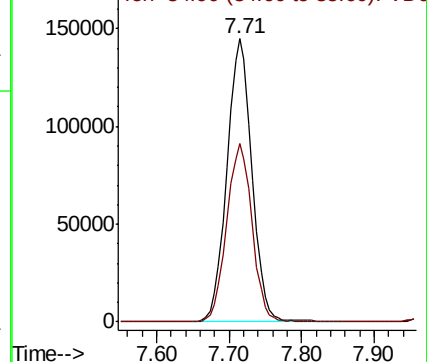
Ion Ratio Lower Upper

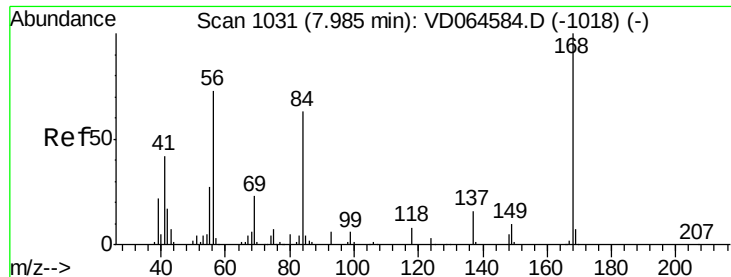
83 100

85 63.0 51.1 76.7



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

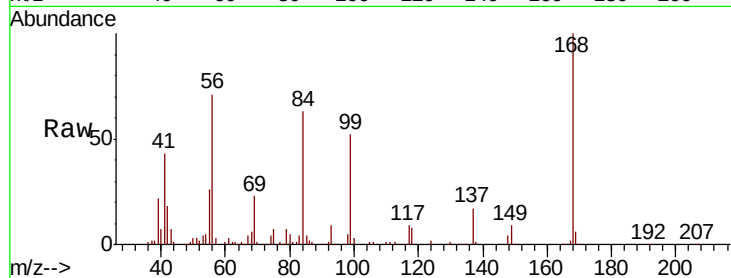




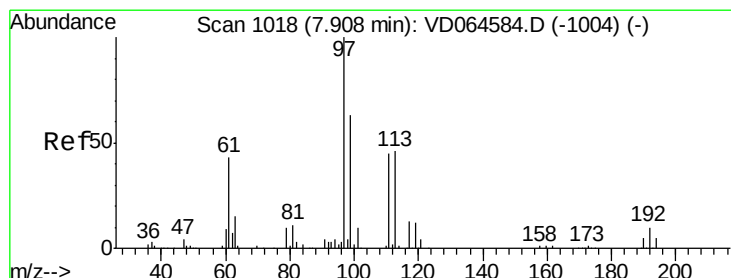
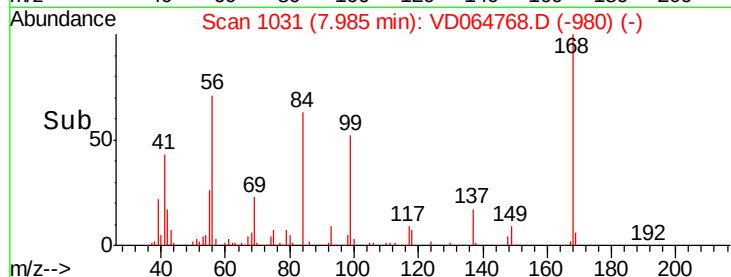
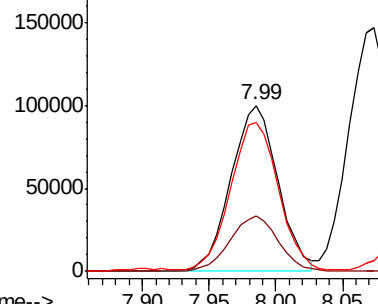
#31
Cyclohexane
Concen: 45.111 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 244014
Ion Ratio Lower Upper
56 100
69 33.1 24.7 37.1
84 87.8 69.4 104.2

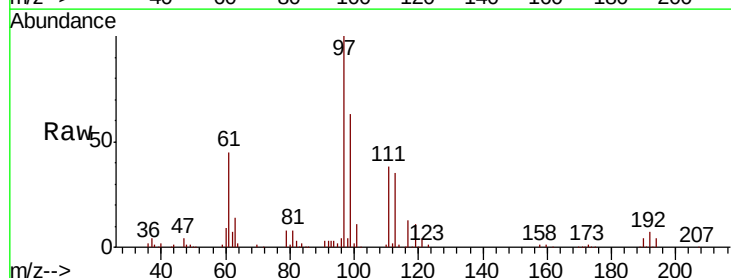


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

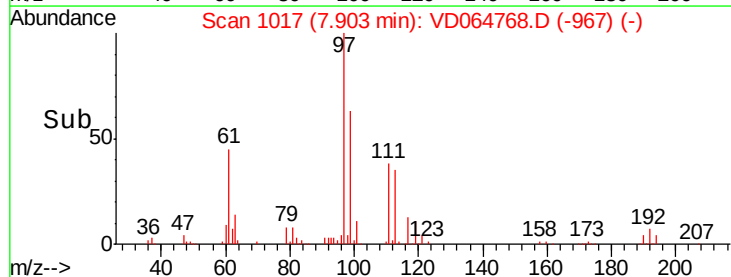
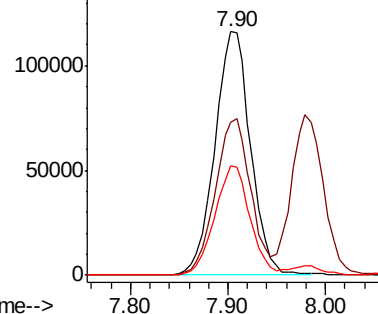


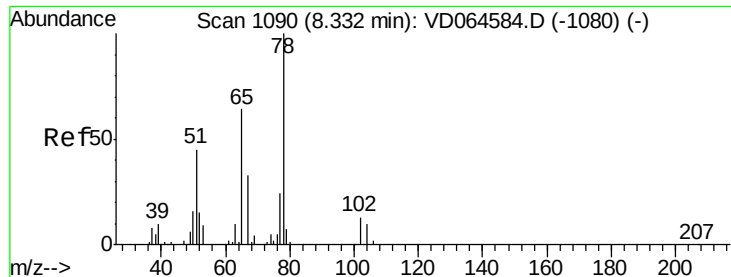
#32
1,1,1-Trichloroethane
Concen: 55.646 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 97 Resp: 296325
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 44.5 35.4 53.0



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

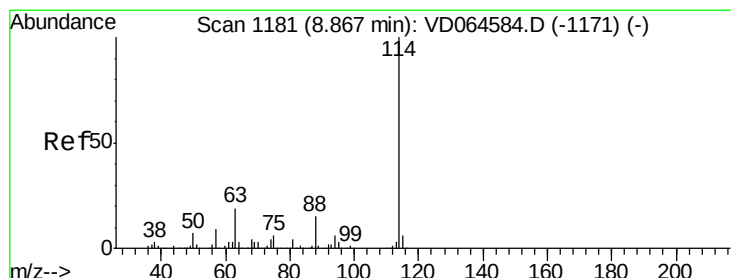
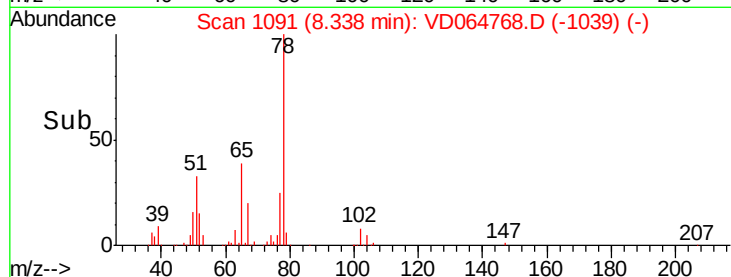
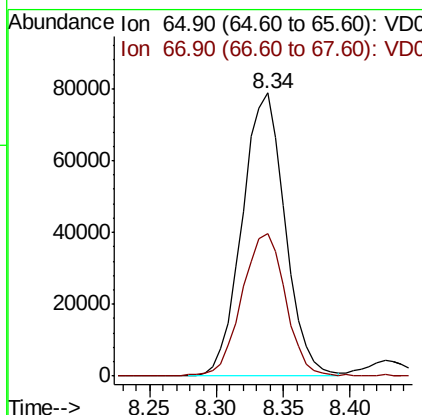
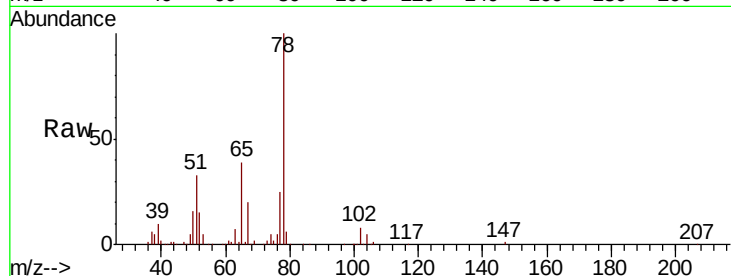




#33
 1,2-Dichloroethane-d4
 Concen: 60.333 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

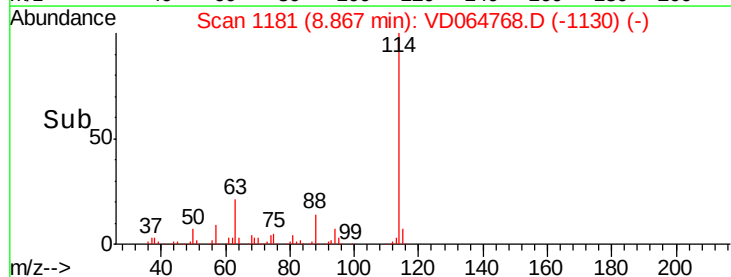
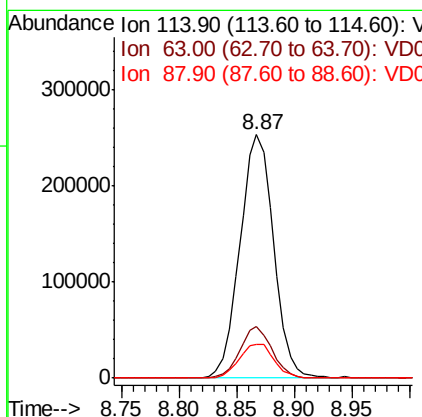
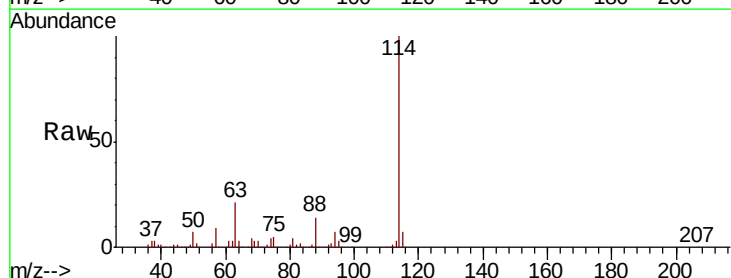
Instrument :
 MSVOA_D
 ClientSampleId :

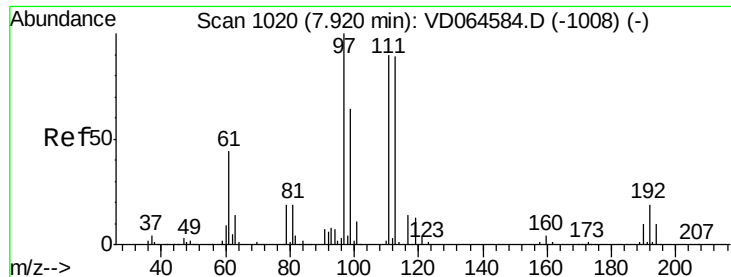
Tot Ion: 65 Resp: 175032
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 114 Resp: 513549
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.0
 88 13.9 0.0 29.2

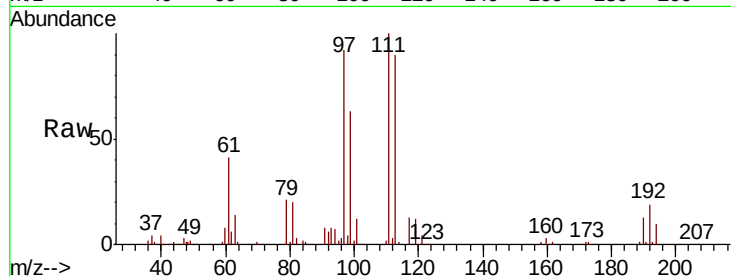




#35
 Dibromofluoromethane
 Concen: 54.063 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	80.6	121.0
192	22.1	17.9	26.9

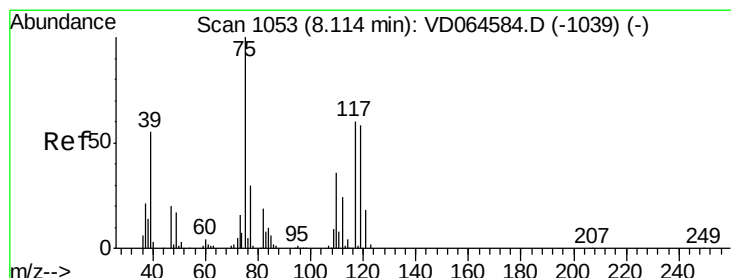
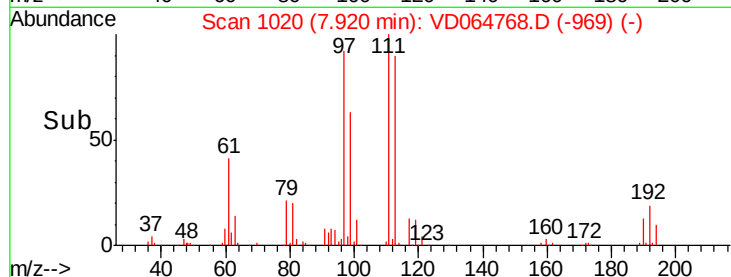
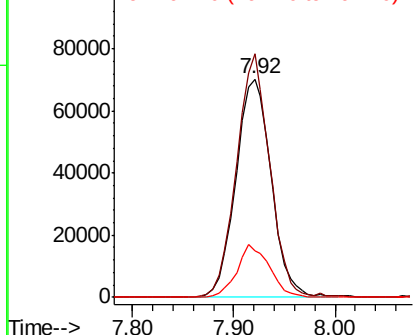


Abundance

Ion 112.80 (112.50 to 113.50): V

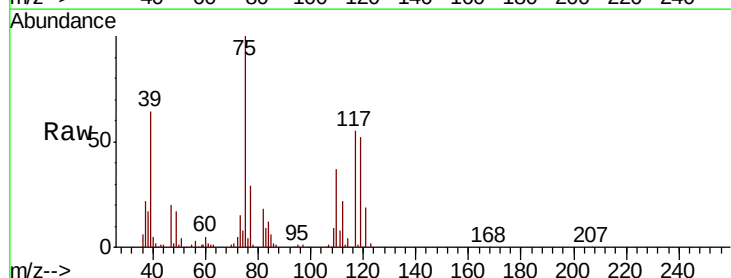
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.360 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.1
77	30.7	24.2	36.4

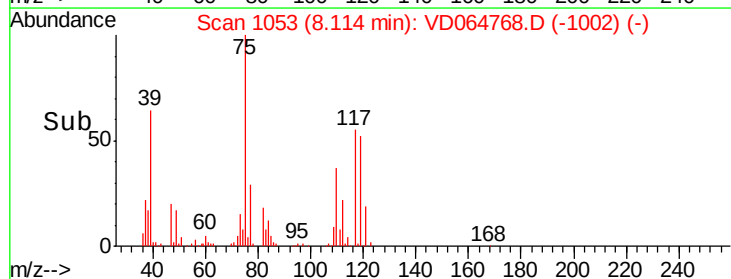
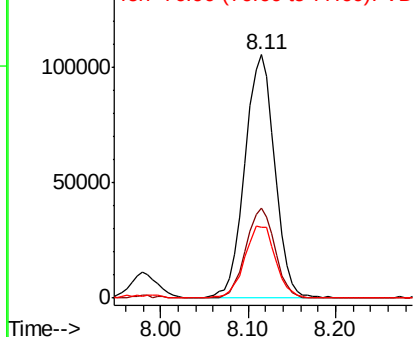


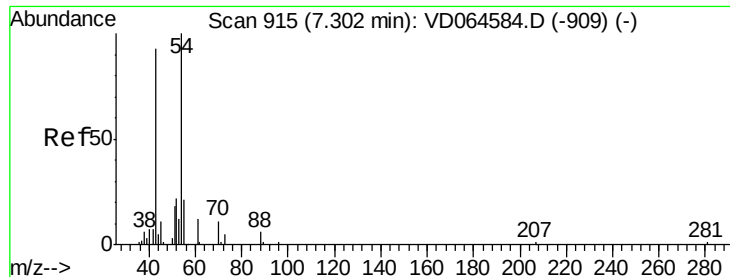
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

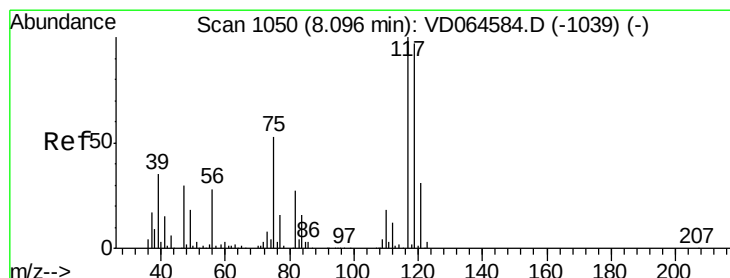
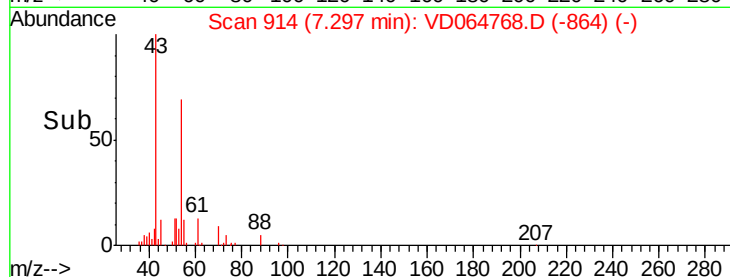
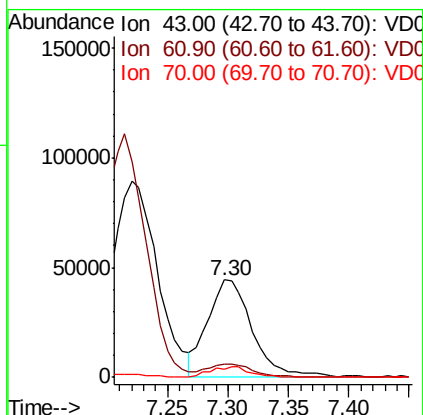
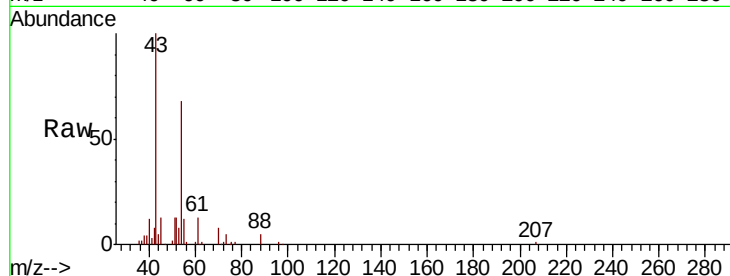




#37
Ethyl Acetate
Concen: 57.143 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

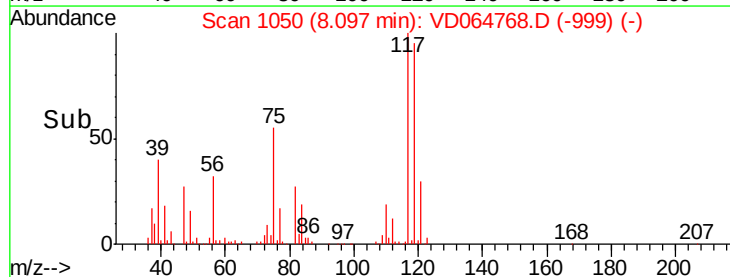
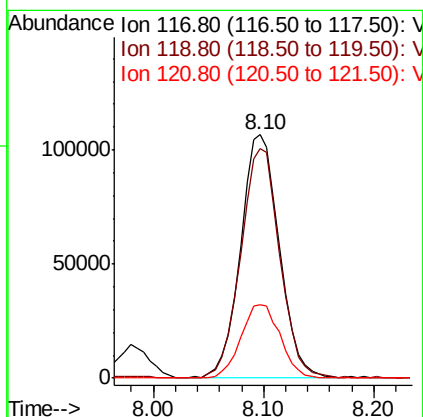
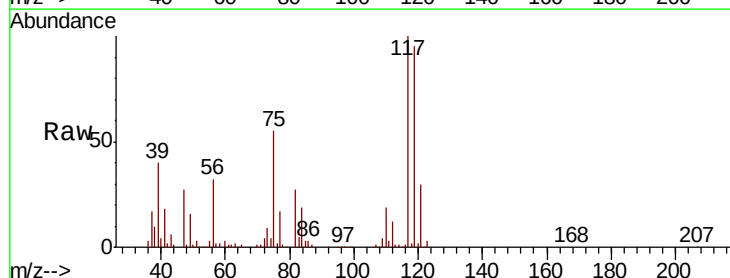
Instrument :
MSVOA_D
ClientSampled :

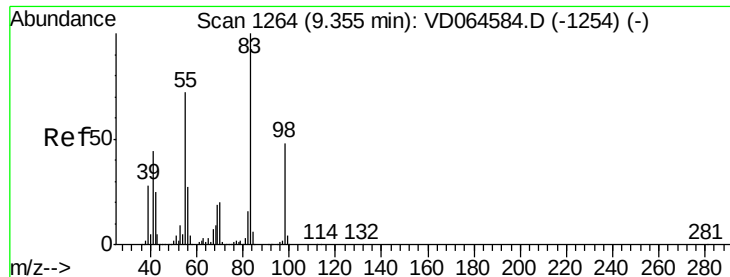
Tot Ion: 43 Resp: 110962
Ion Ratio Lower Upper
43 100
61 13.0 10.3 15.5
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.598 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 117 Resp: 261409
Ion Ratio Lower Upper
117 100
119 94.7 77.3 115.9
121 30.0 25.0 37.6

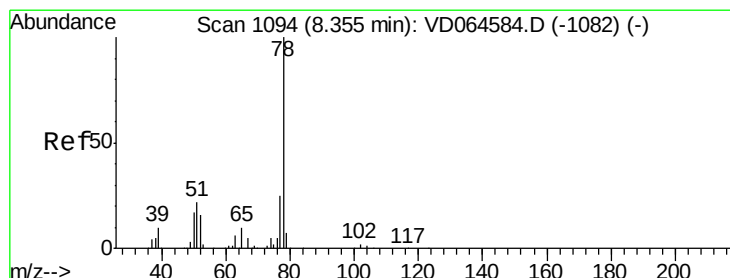
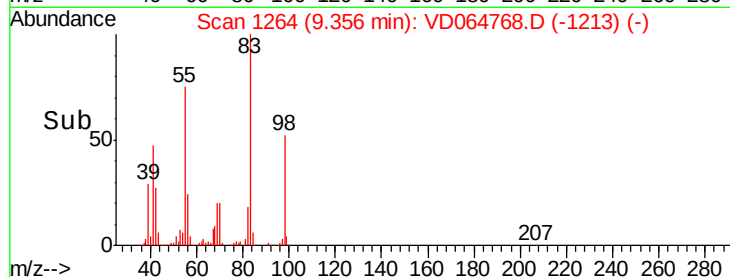
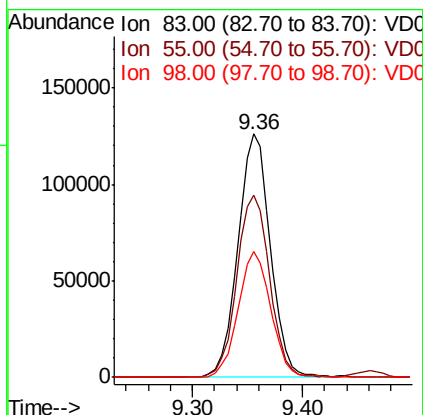
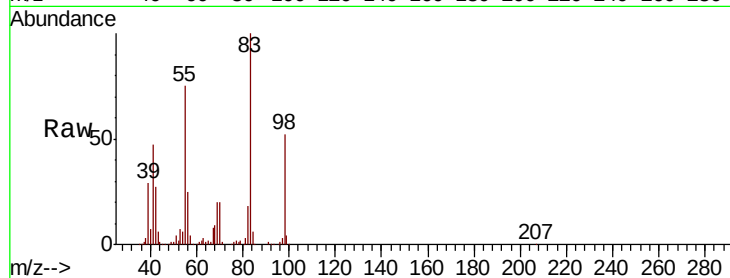




#39
Methylvlcyclohexane
Concen: 43.540 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

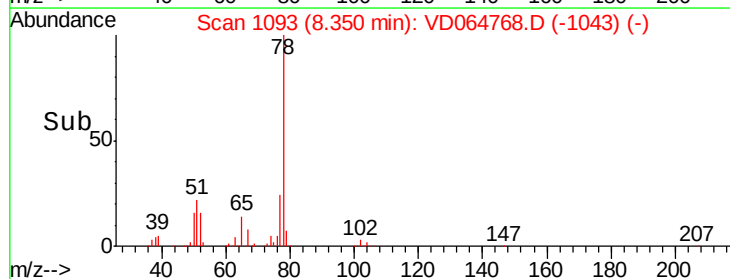
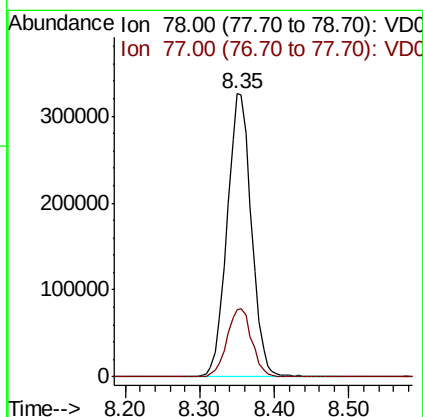
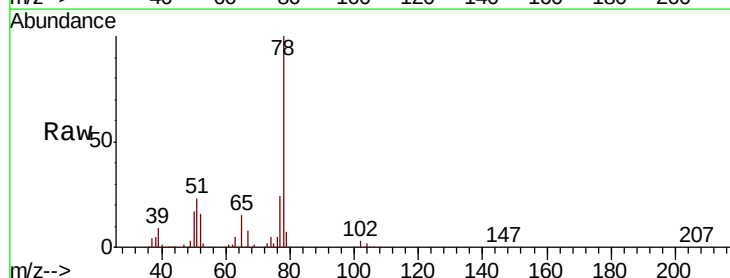
Instrument :
MSVOA_D
ClientSampleId :

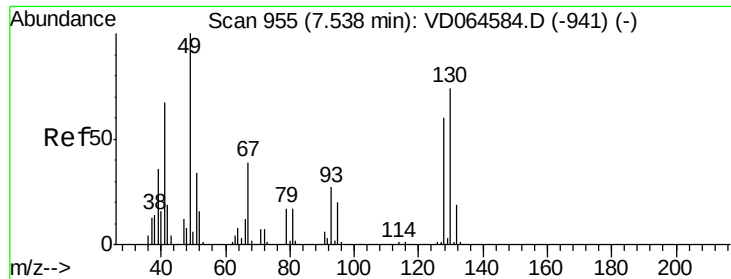
Tot Ion: 83 Resp: 260664
Ion Ratio Lower Upper
83 100
55 74.8 57.8 86.6
98 51.8 38.7 58.1



#40
Benzene
Concen: 54.660 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 78 Resp: 737553
Ion Ratio Lower Upper
78 100
77 23.9 19.9 29.9

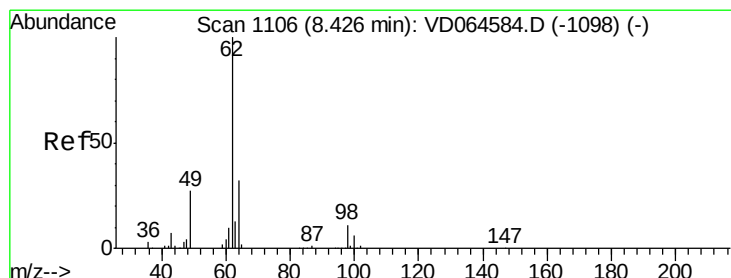
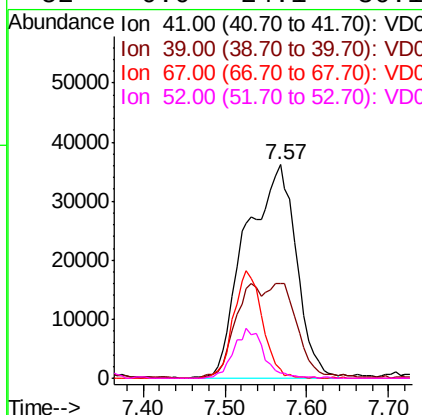
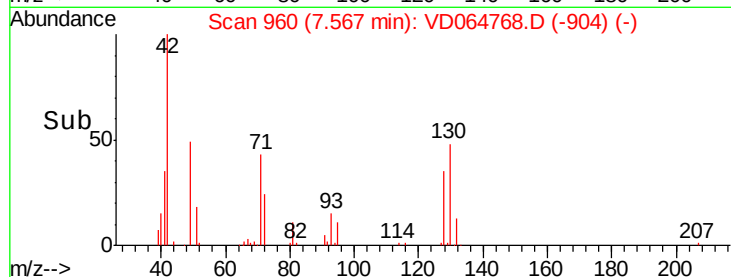
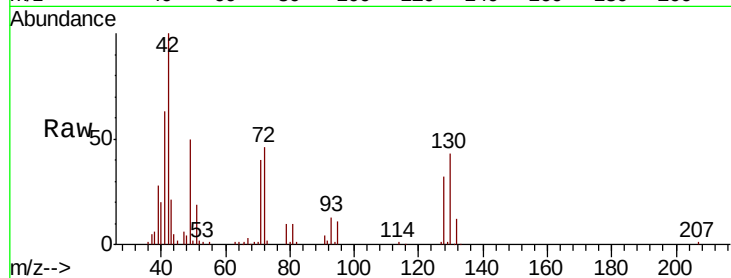




#41
Methacrylonitrile
Concen: 138.413 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.03 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

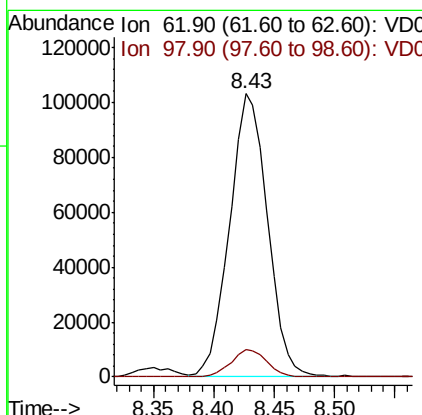
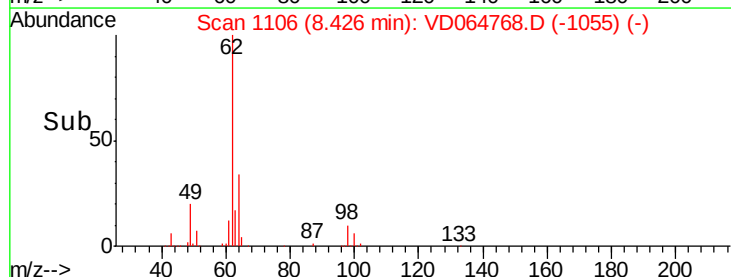
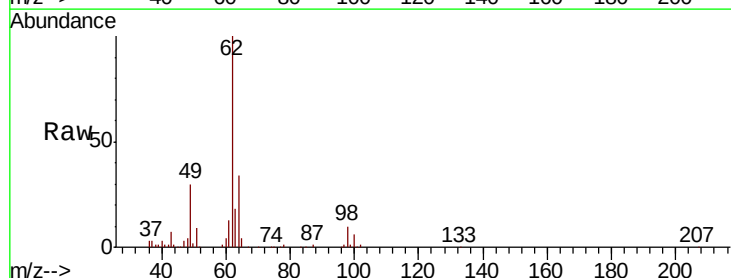
Instrument :
MSVOA_D
ClientSampled :

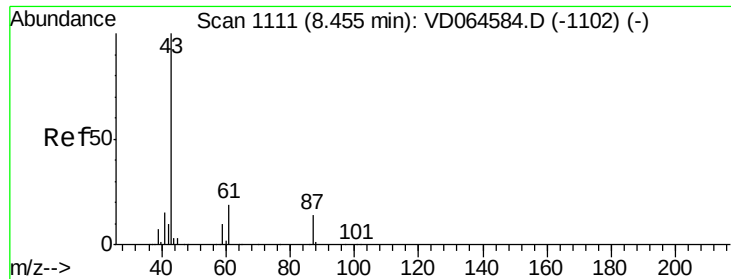
Tot Ion: 41 Resp: 155943
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 52.5 78.7#
52 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 57.652 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 62 Resp: 224803
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 56.407 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampleId :

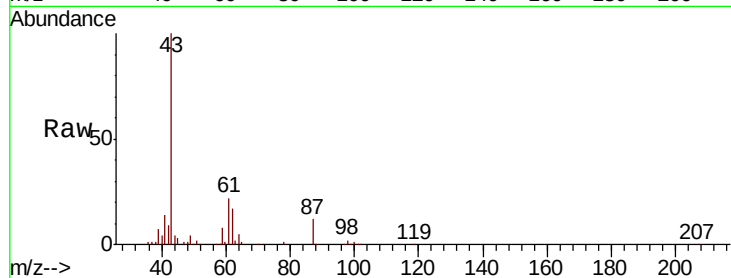
Tot Ion: 43 Resp: 218016

Ion Ratio Lower Upper

43 100

61 30.0 23.7 35.5

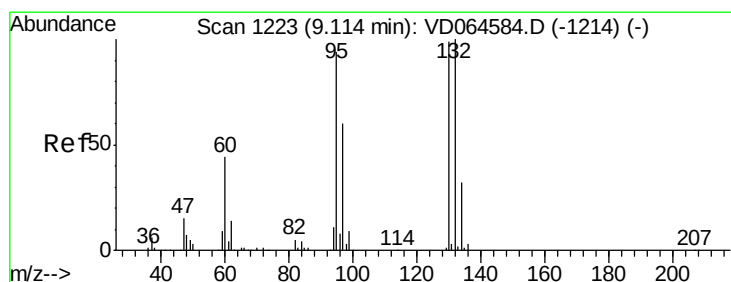
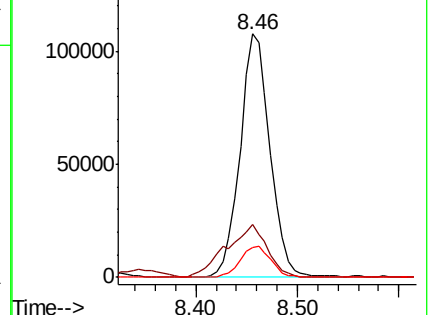
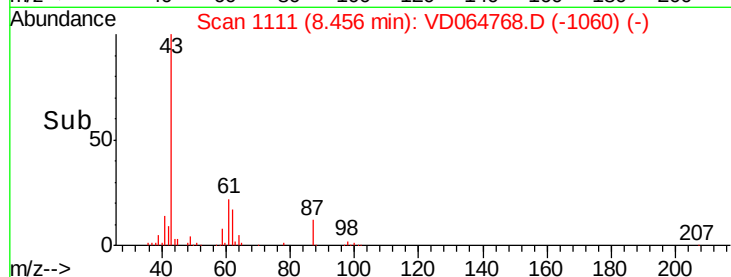
87 13.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.796 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064768.D

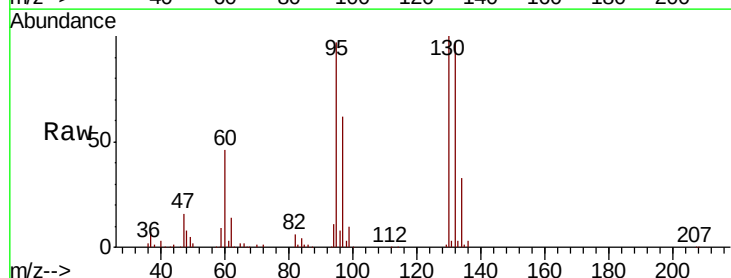
Acq: 04 Jan 2020 08:47

Tgt Ion:130 Resp: 201356

Ion Ratio Lower Upper

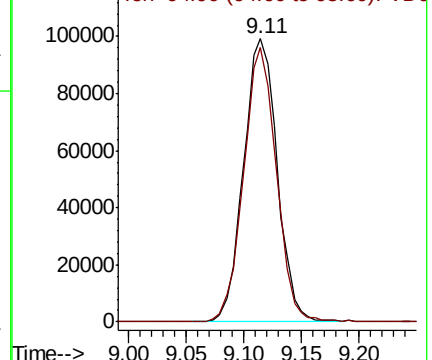
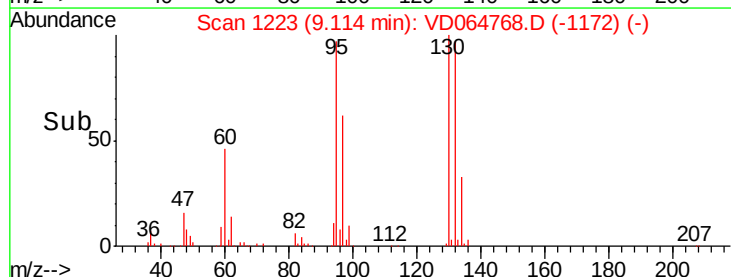
130 100

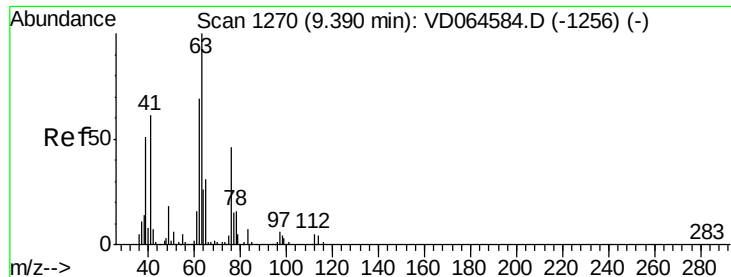
95 96.8 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.797 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

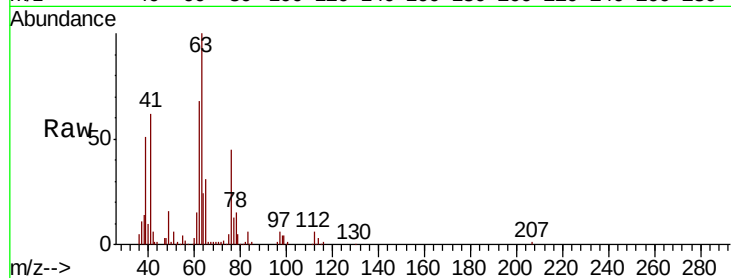
ClientSampleId :

Tot Ion: 63 Resp: 182987

Ion Ratio Lower Upper

63 100

65 30.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

100000

80000

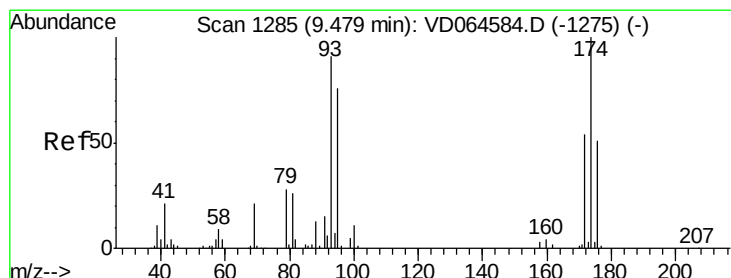
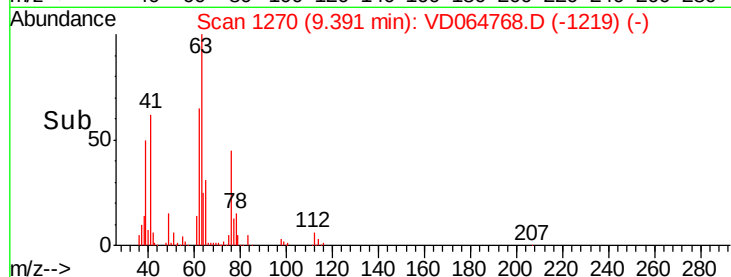
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 57.610 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

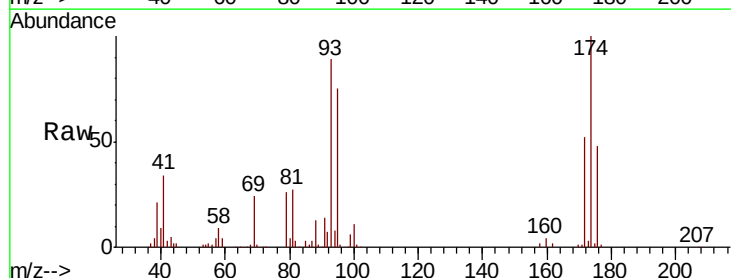
Tgt Ion: 93 Resp: 103481

Ion Ratio Lower Upper

93 100

95 82.1 64.6 97.0

174 108.4 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

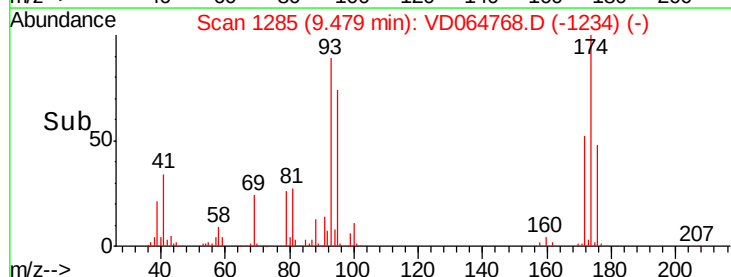
60000

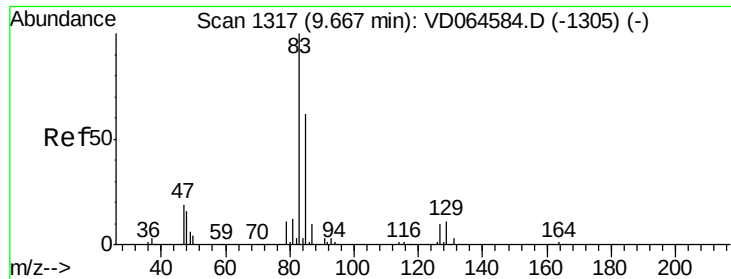
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 56.992 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampleId :

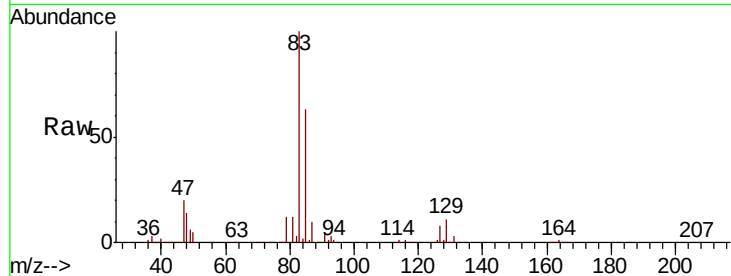
Tot Ion: 83 Resp: 272407

Ion Ratio Lower Upper

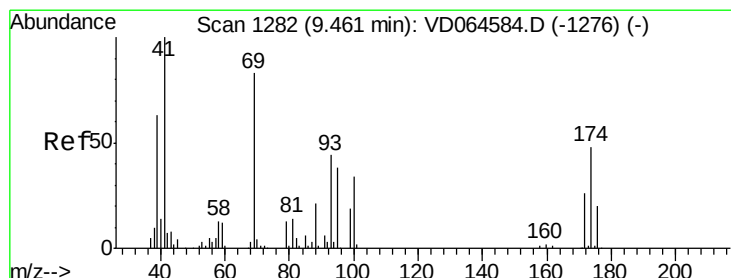
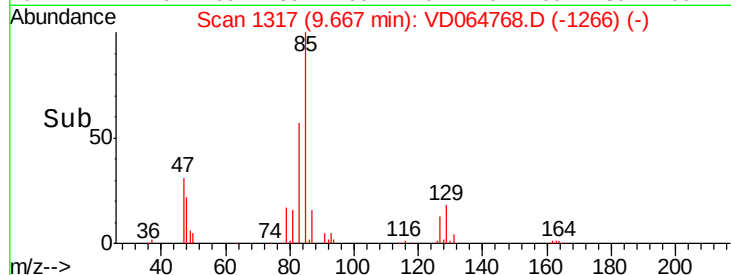
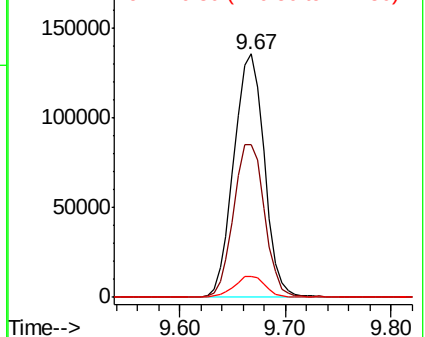
83 100

85 63.0 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: 55.083 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

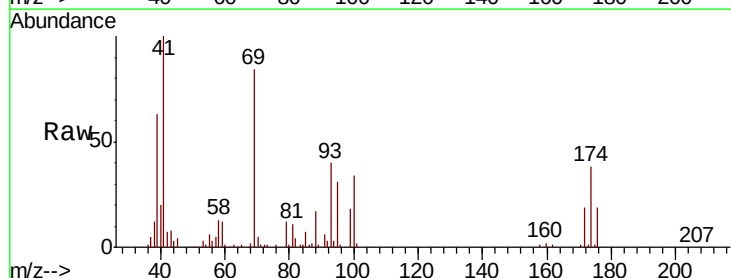
Tgt Ion: 41 Resp: 100244

Ion Ratio Lower Upper

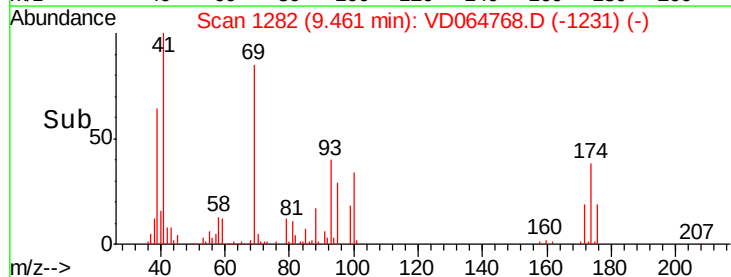
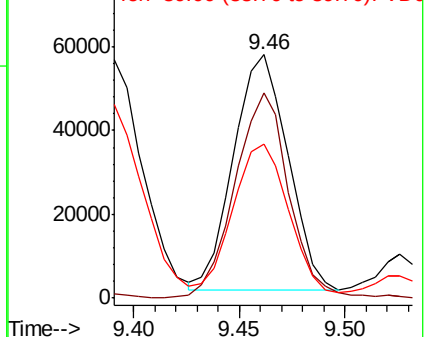
41 100

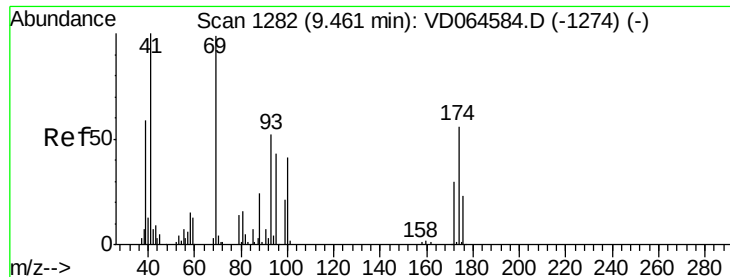
69 87.1 63.0 94.6

39 68.7 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

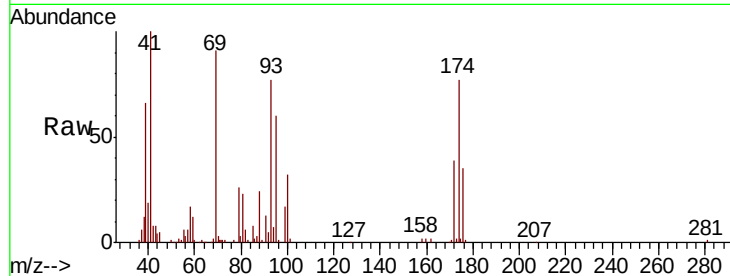




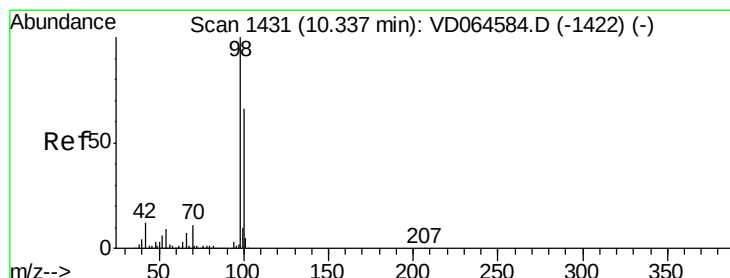
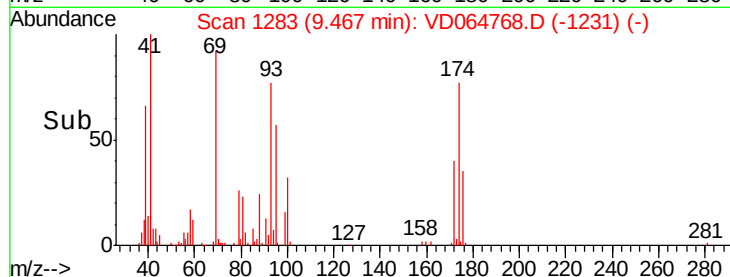
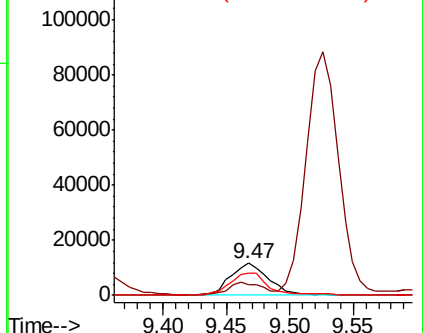
#49
1,4-Dioxane
Concen: 1159.140 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 24008
Ion Ratio Lower Upper
88 100
43 36.7 27.7 41.5
58 70.3 53.8 80.6

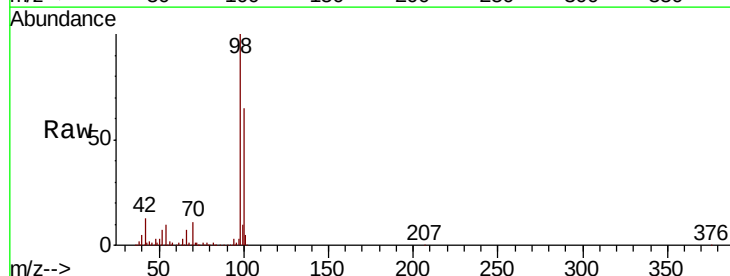


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

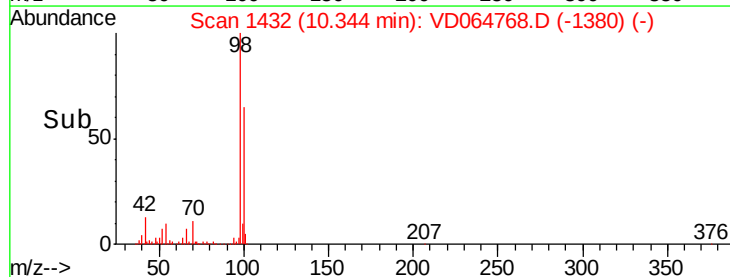
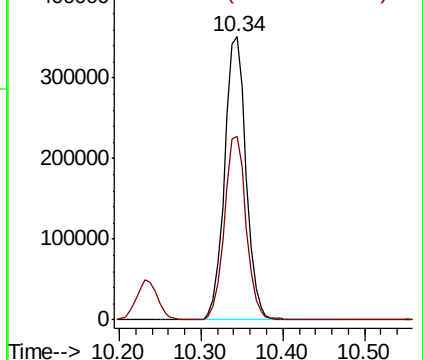


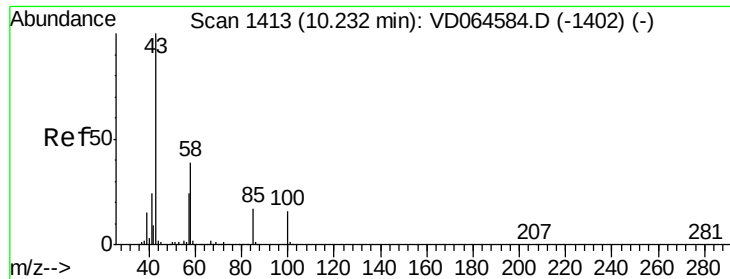
#50
Toluene-d8
Concen: 53.277 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 98 Resp: 642891
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



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

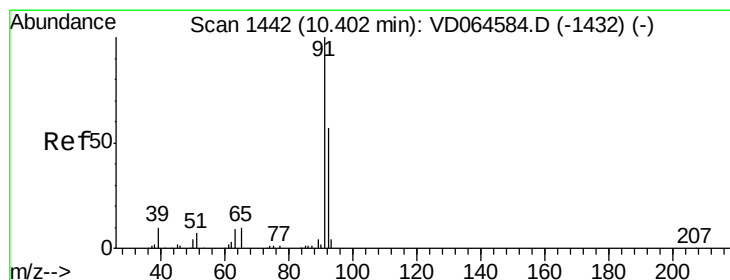
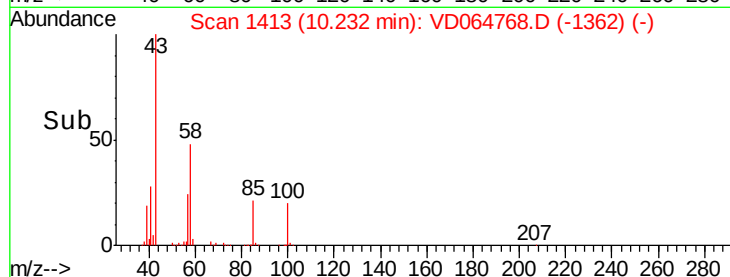
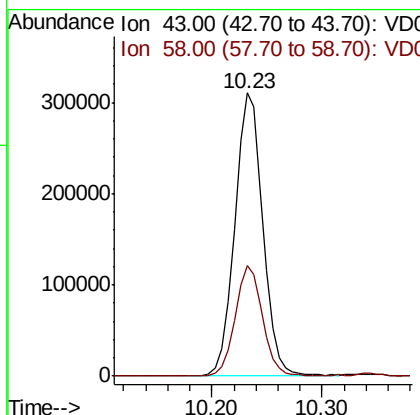
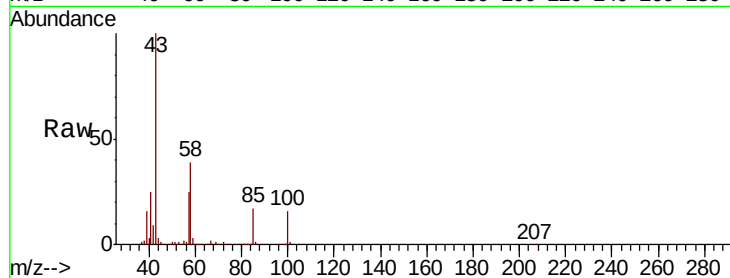




#51
 4-Methyl-2-Pentanone
 Concen: 289.673 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

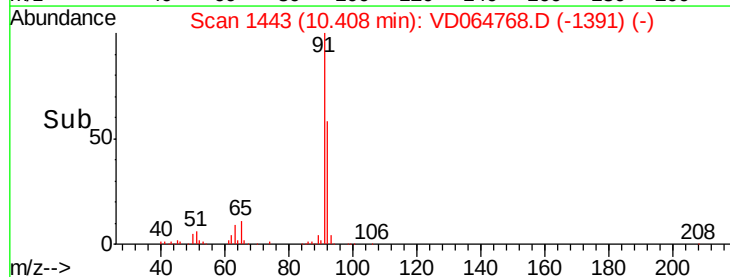
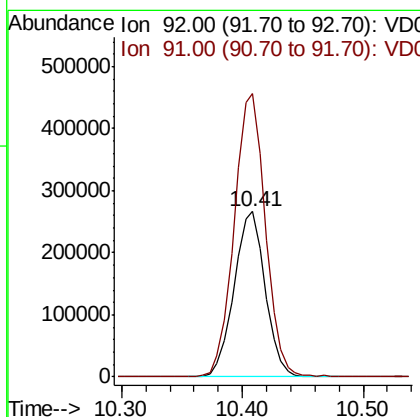
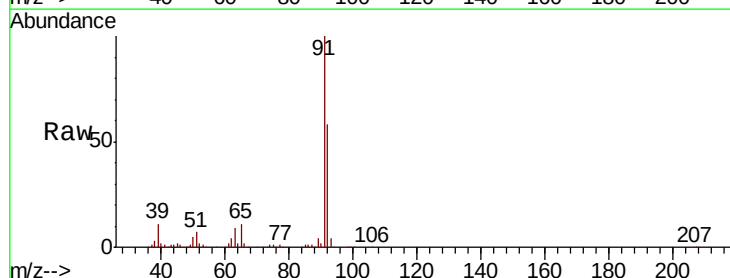
Instrument :
 MSVOA_D
 ClientSampleID :

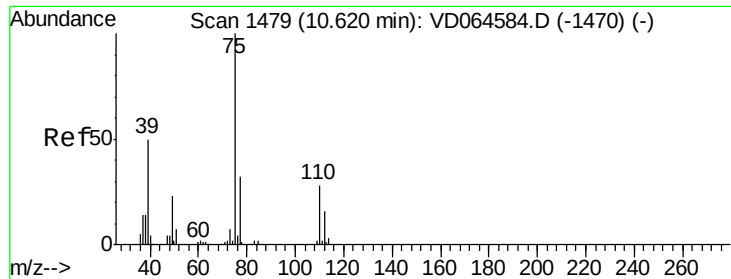
Tot Ion: 43 Resp: 553392
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2



#52
 Toluene
 Concen: 54.197 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 92 Resp: 479793
 Ion Ratio Lower Upper
 92 100
 91 171.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 56.518 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

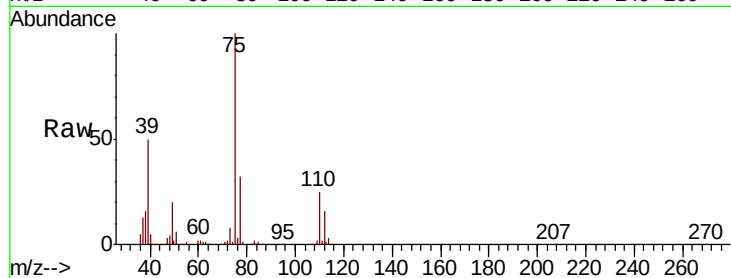
ClientSampleId :

Tot Ion: 75 Resp: 251857

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

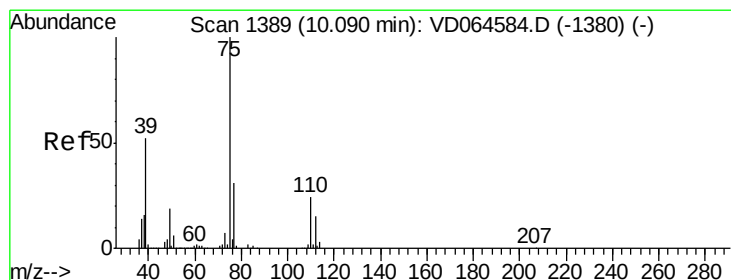
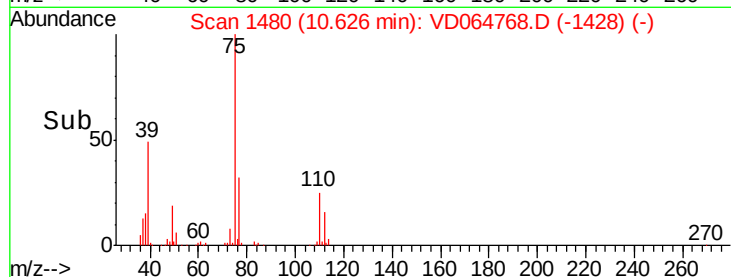
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 55.382 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

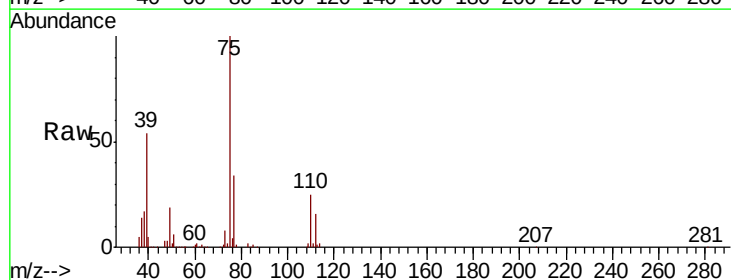
Tgt Ion: 75 Resp: 291009

Ion Ratio Lower Upper

75 100

77 33.5 24.6 36.8

39 53.4 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

200000

150000

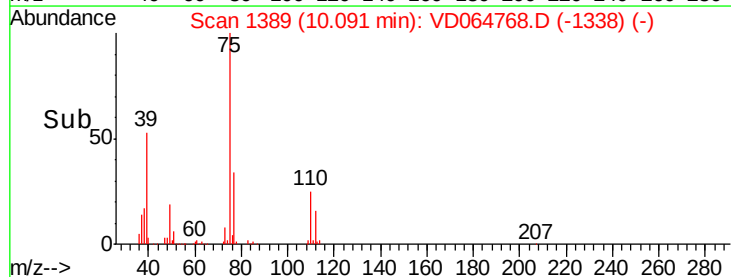
10.09

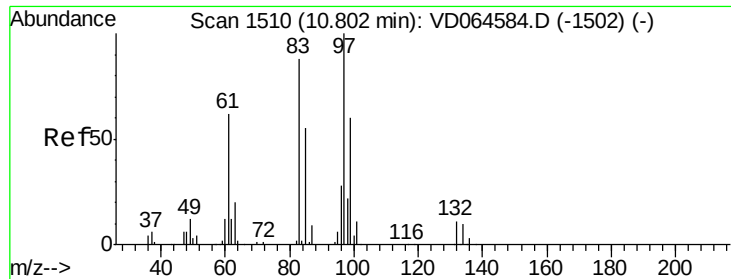
100000

50000

0

Time--> 10.00 10.10 10.20

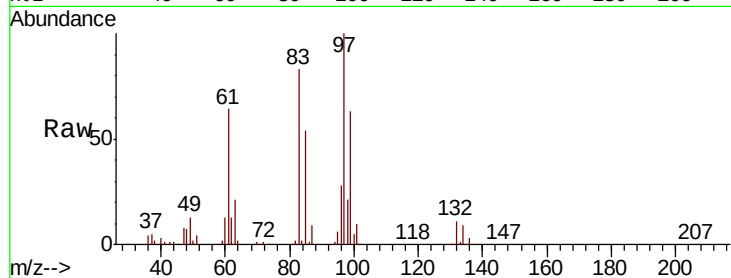




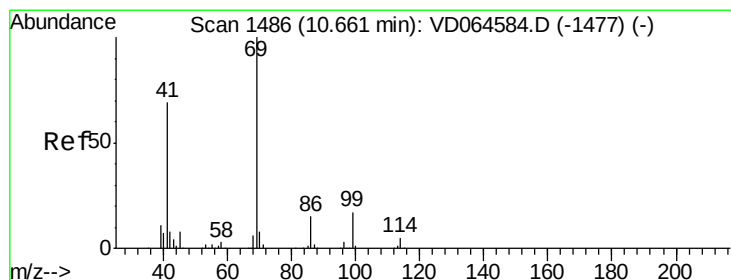
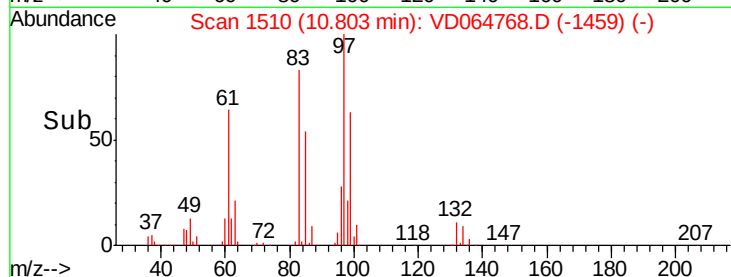
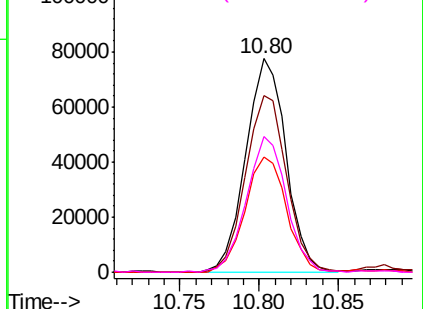
#55
 1,1,2-Trichloroethane
 Concen: 56.613 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 137046
 Ion Ratio Lower Upper
 97 100
 83 82.7 70.2 105.4
 85 54.2 44.0 66.0
 99 63.2 47.8 71.6

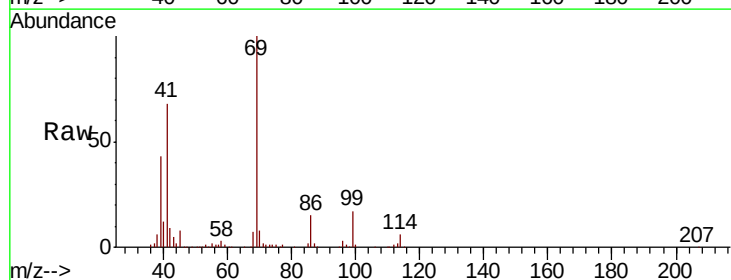


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

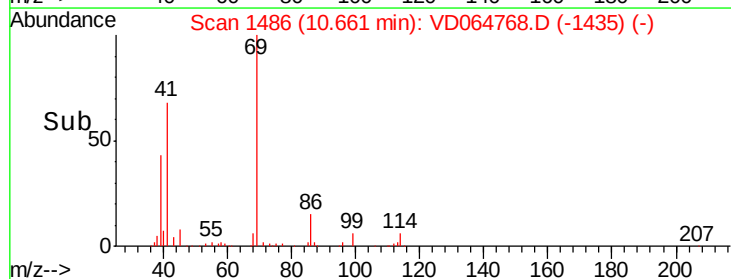
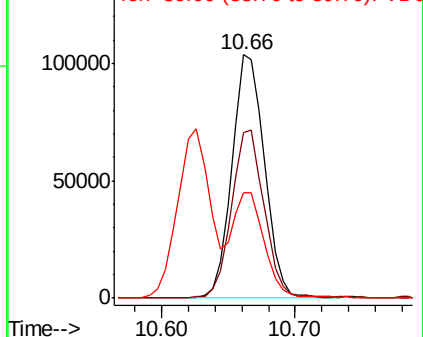


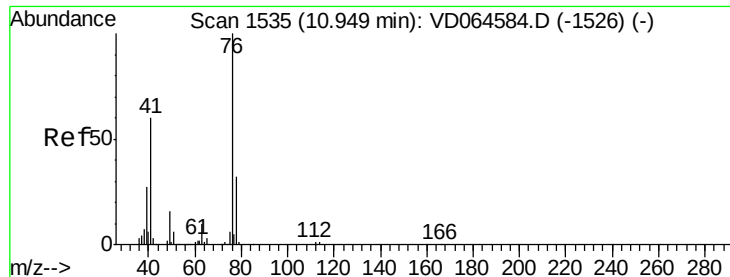
#56
 Ethyl methacrylate
 Concen: 58.221 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 69 Resp: 176015
 Ion Ratio Lower Upper
 69 100
 41 69.8 55.3 82.9
 39 42.5 33.8 50.8



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





#57

1,3-Dichloropropane

Concen: 57.570 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

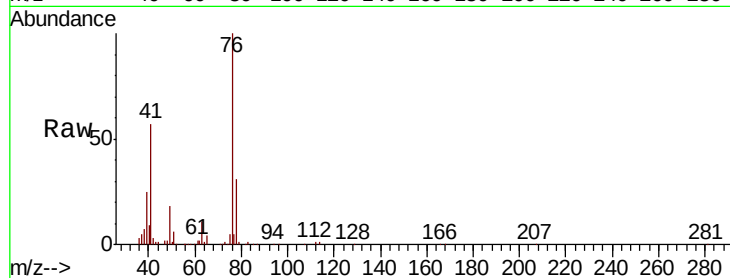
ClientSampleId :

Tot Ion: 76 Resp: 239955

Ion Ratio Lower Upper

76 100

78 31.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

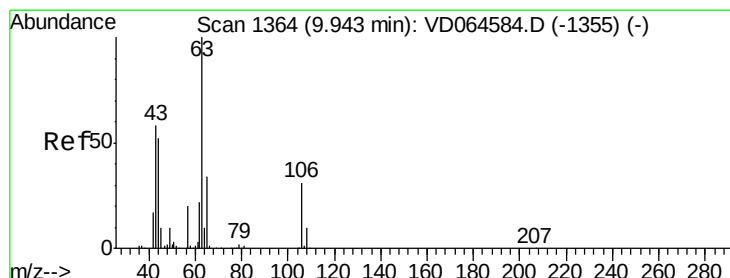
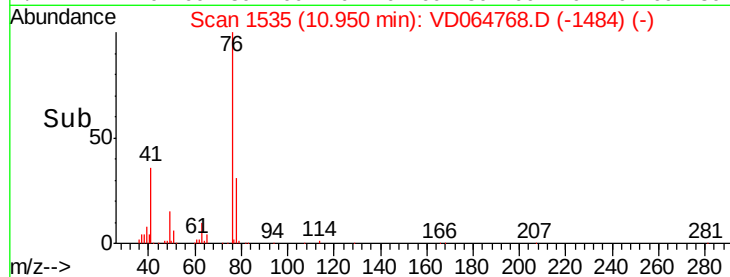
100000

50000

0

Time-->

10.90 11.00 11.10



#58

2-Chloroethyl Vinyl ether

Concen: 269.302 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064768.D

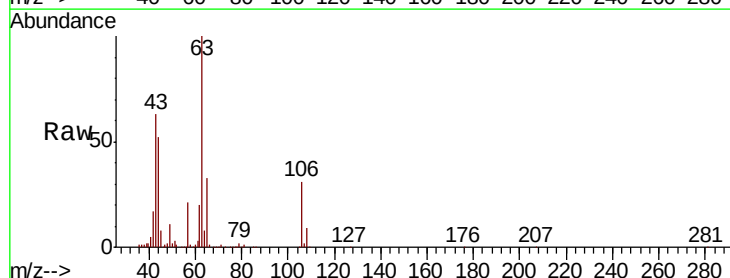
Acq: 04 Jan 2020 08:47

Tgt Ion: 63 Resp: 310186

Ion Ratio Lower Upper

63 100

106 30.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

200000

150000

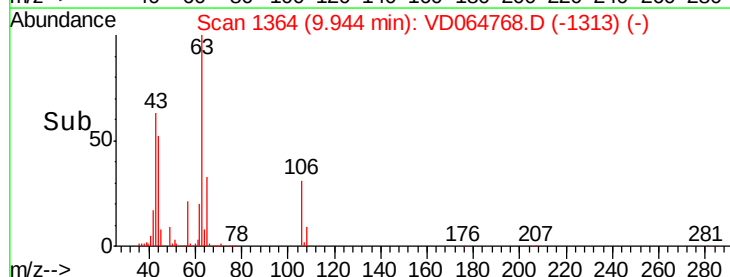
100000

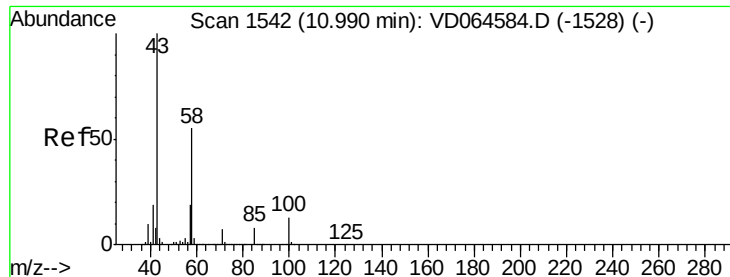
50000

0

Time-->

9.85 9.90 9.95 10.00

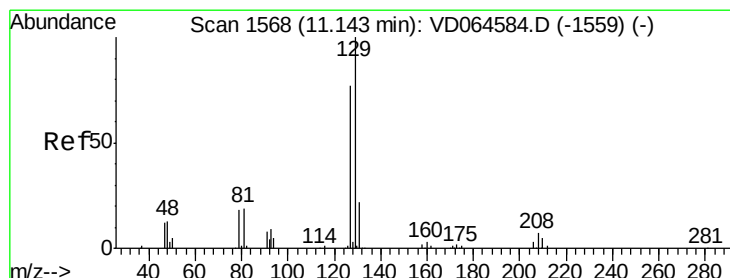
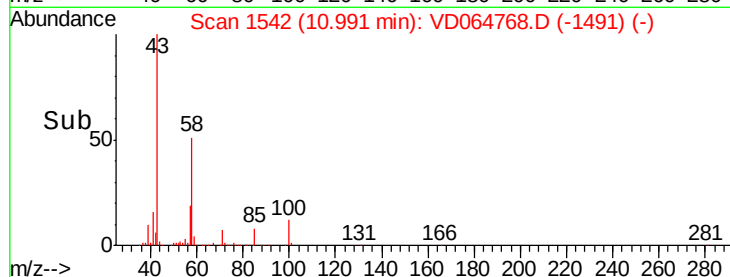
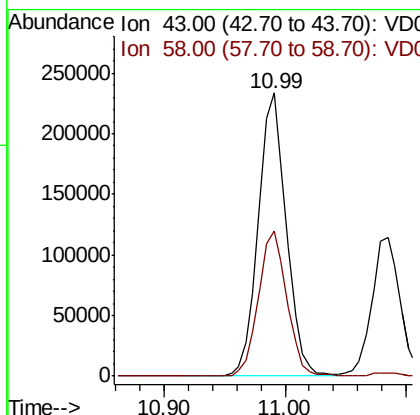
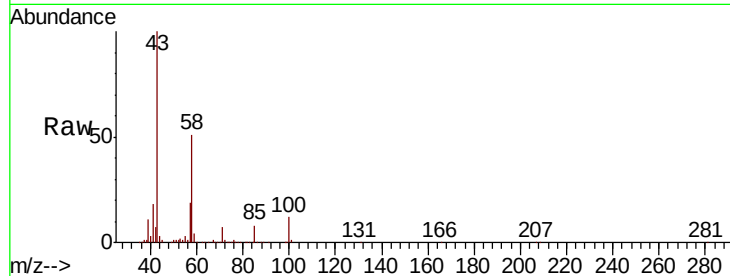




#59
2-Hexanone
Concen: 290.704 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

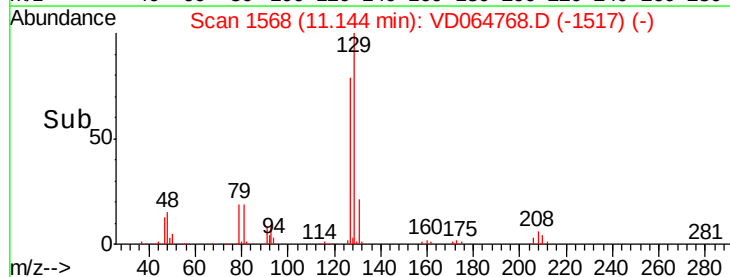
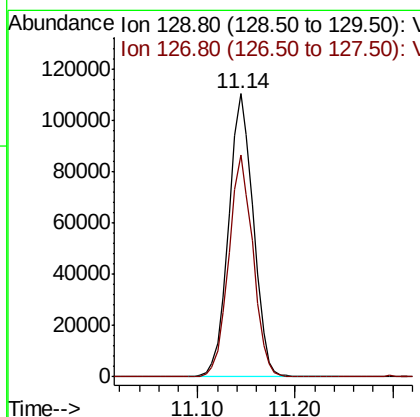
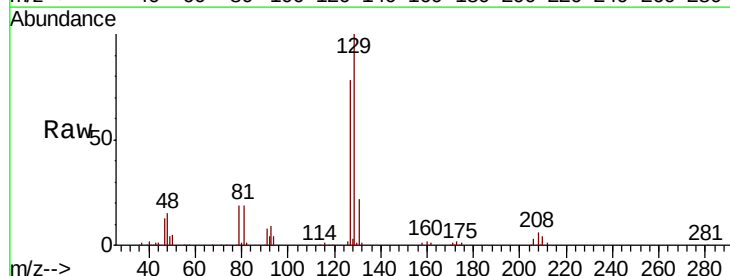
Instrument :
MSVOA_D
ClientSampled :

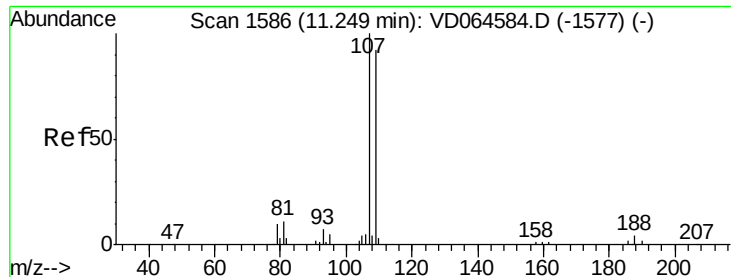
Tot Ion: 43 Resp: 376935
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0



#60
Dibromochloromethane
Concen: 58.022 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 129 Resp: 194234
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

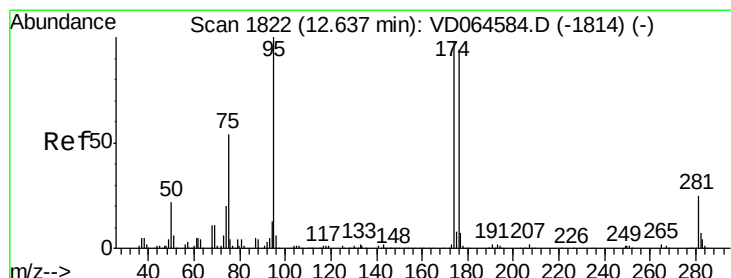
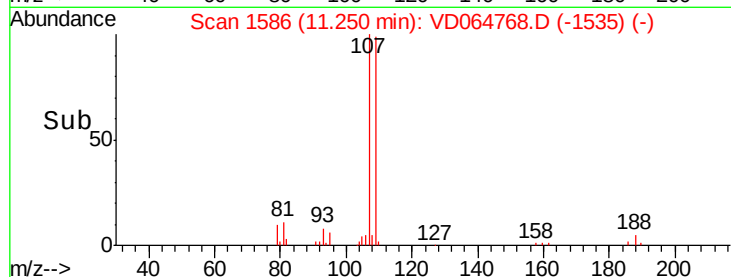
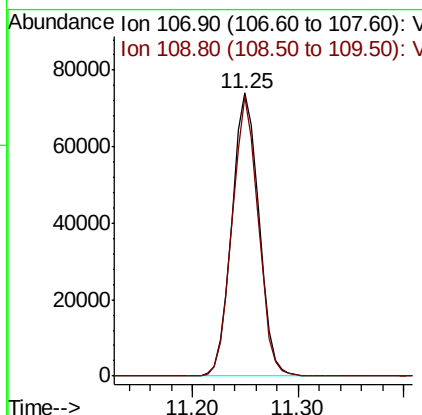
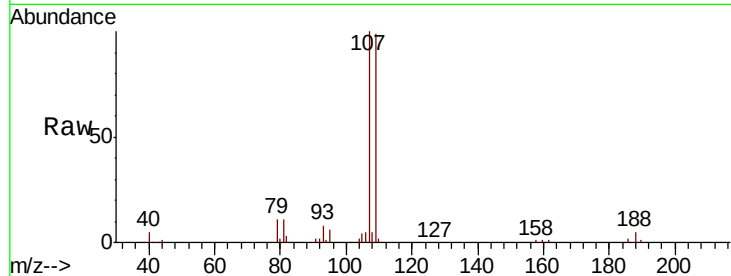




#61
 1,2-Dibromoethane
 Concen: 54.669 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

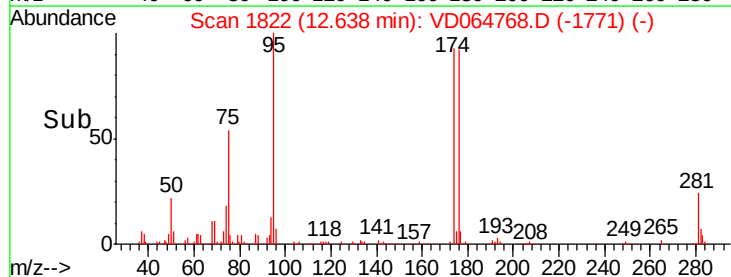
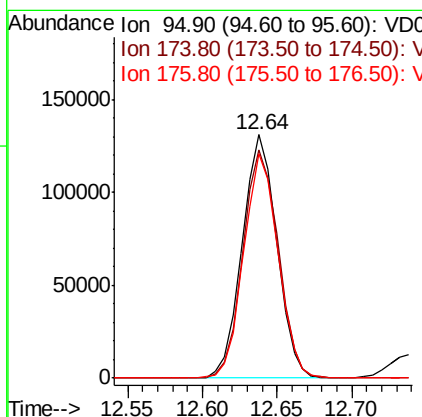
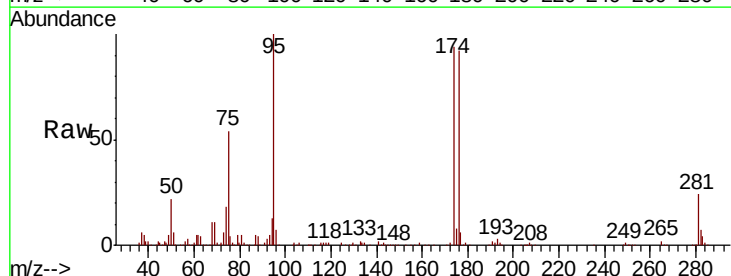
Instrument :
 MSVOA_D
 ClientSampleId :

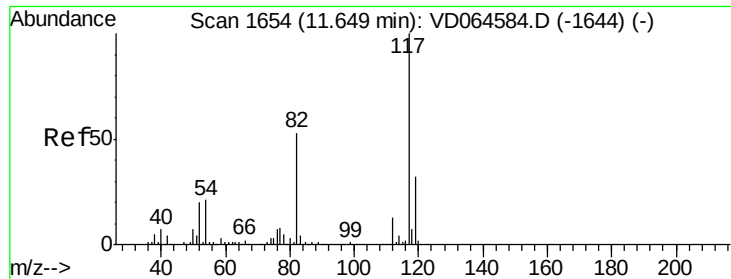
Tot Ion: 107 Resp: 130530
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 55.135 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 95 Resp: 210379
 Ion Ratio Lower Upper
 95 100
 174 95.6 0.0 193.2
 176 91.5 0.0 184.2

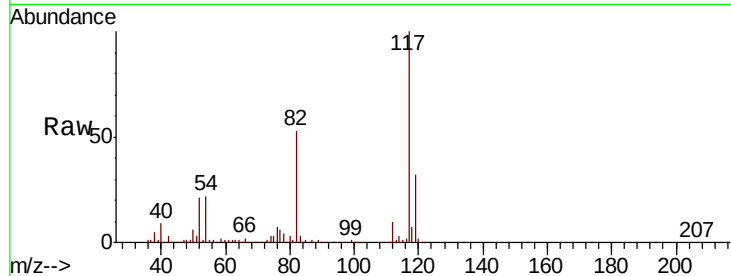




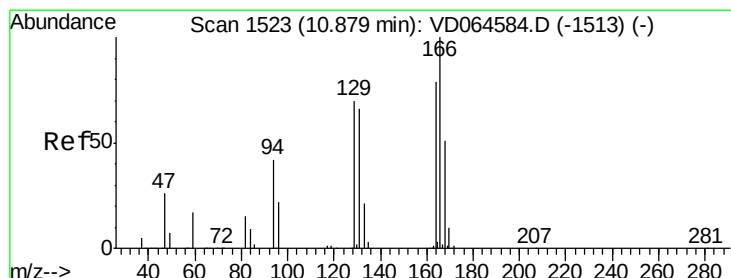
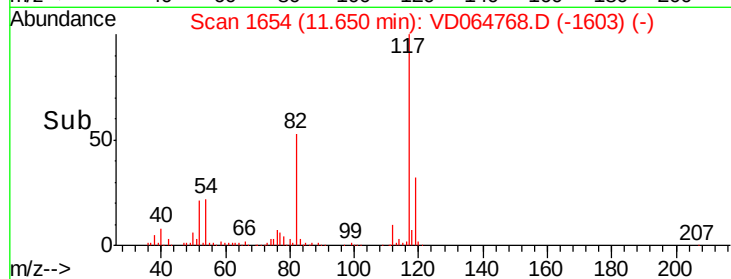
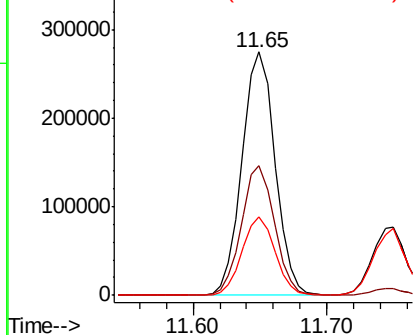
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	32.1	26.0	39.0



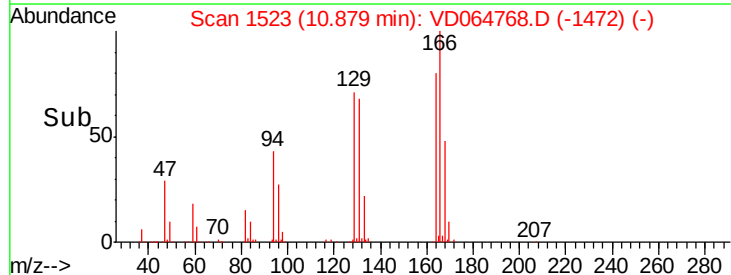
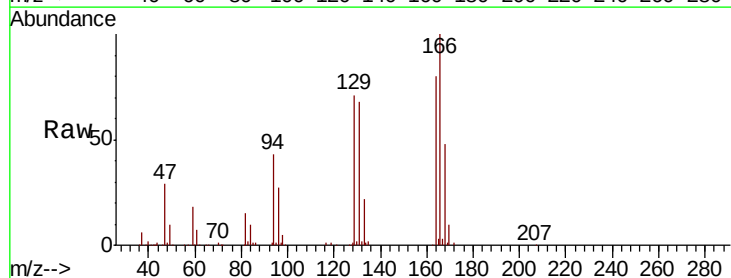
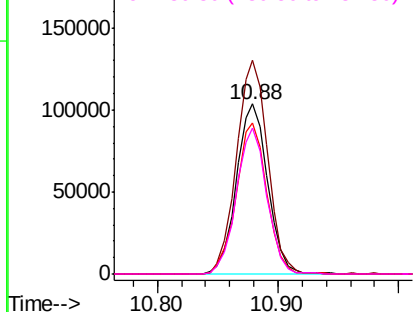
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

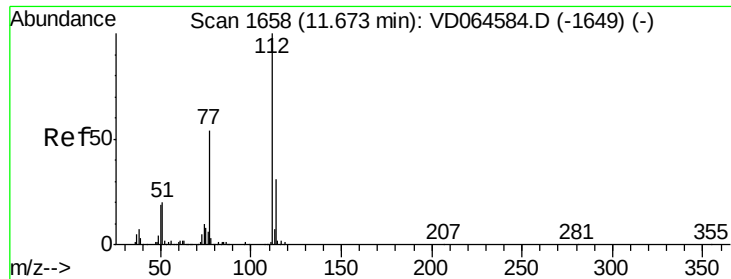


#64
Tetrachloroethene
Concen: 51.609 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.3	151.9
129	89.1	70.5	105.7
131	86.0	66.6	99.8

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

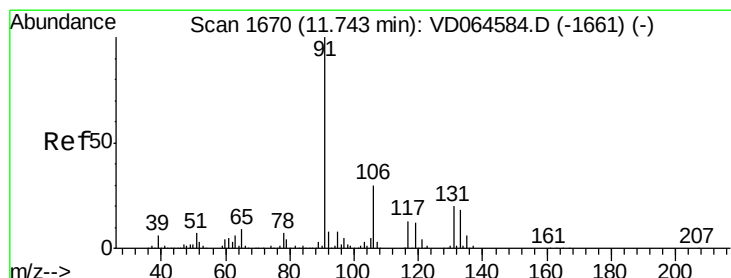
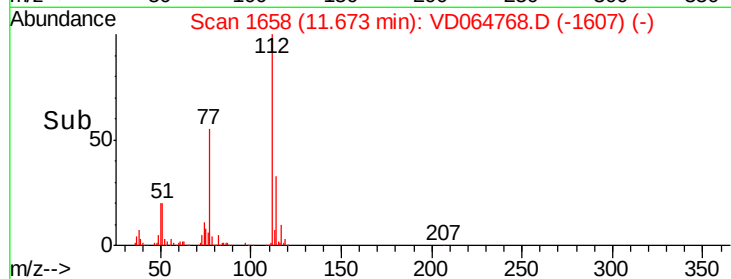
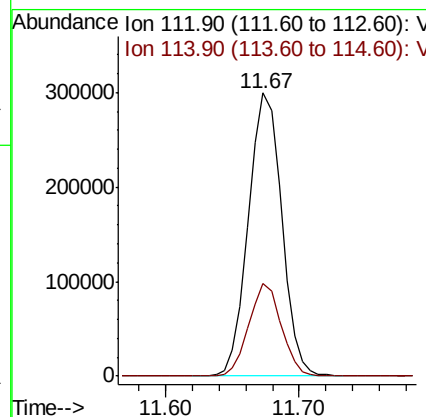
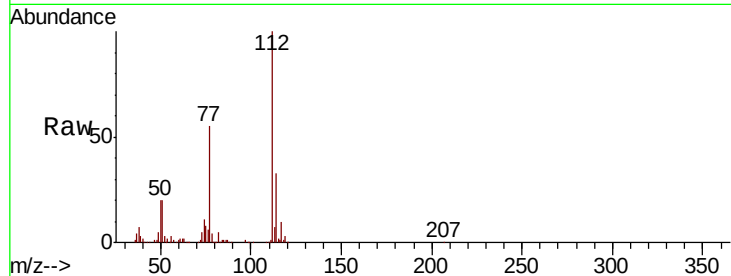




#65
Chlorobenzene
Concen: 52.872 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

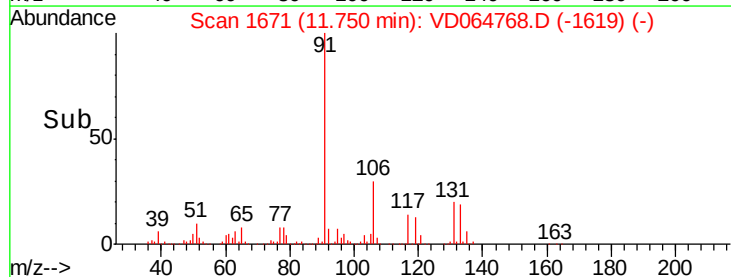
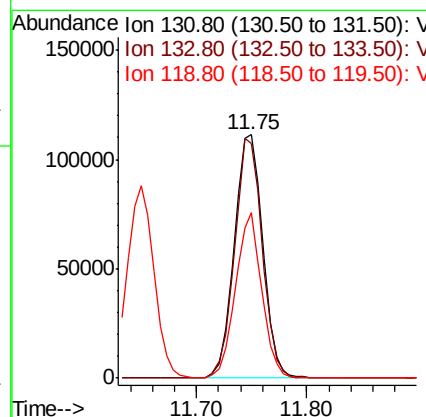
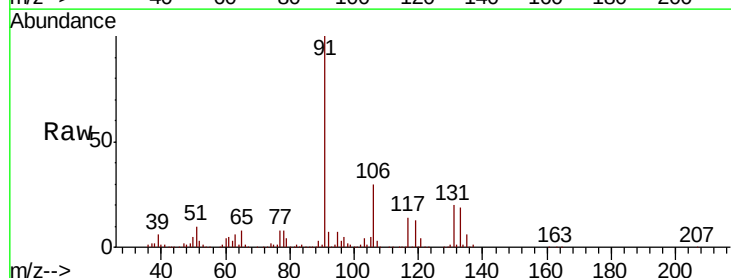
Instrument :
MSVOA_D
ClientSampleId :

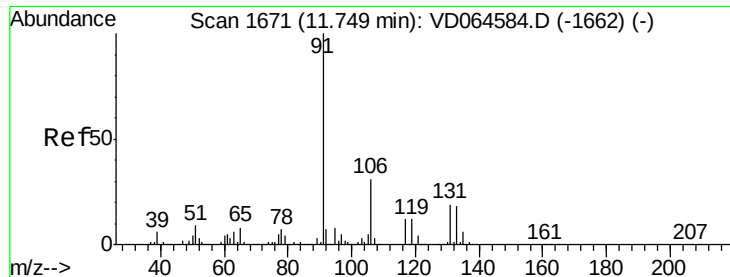
Tot Ion:112 Resp: 517588
Ion Ratio Lower Upper
112 100
114 32.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.709 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion:131 Resp: 201902
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.8
119 62.9 32.1 96.3





#67

Ethyl Benzene

Concen: 51.944 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

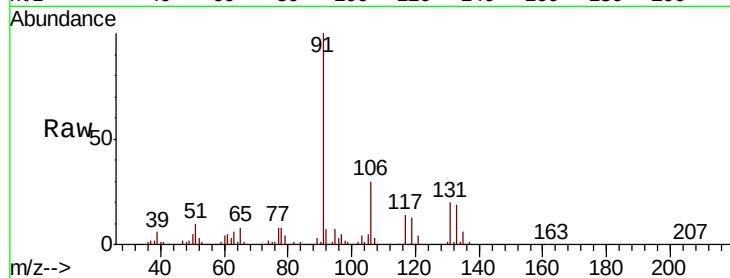
ClientSampled :

Tot Ion: 91 Resp: 922971

Ion Ratio Lower Upper

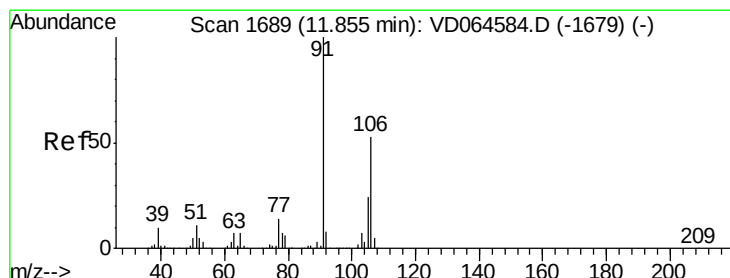
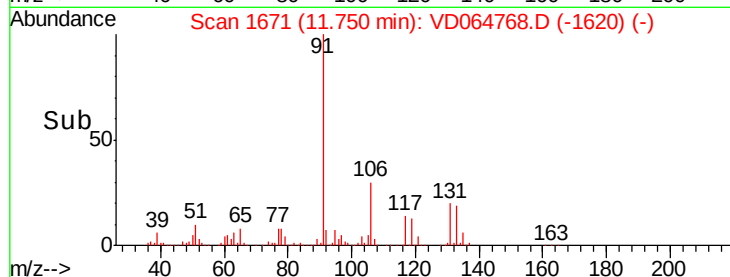
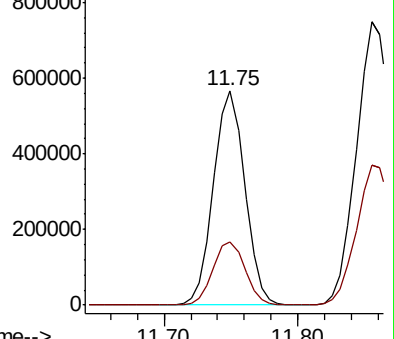
91 100

106 29.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 103.325 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064768.D

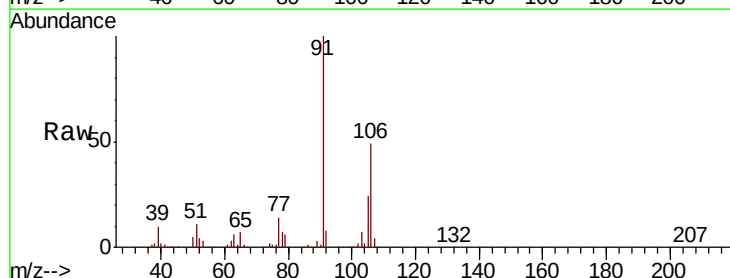
Acq: 04 Jan 2020 08:47

Tgt Ion: 106 Resp: 708629

Ion Ratio Lower Upper

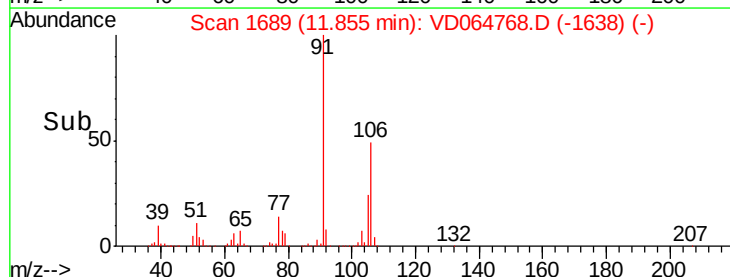
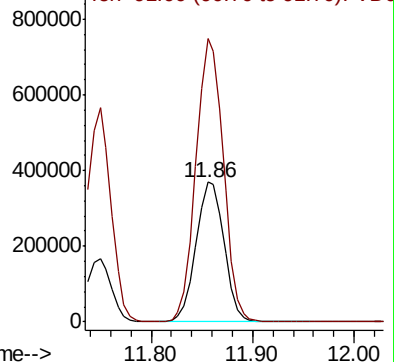
106 100

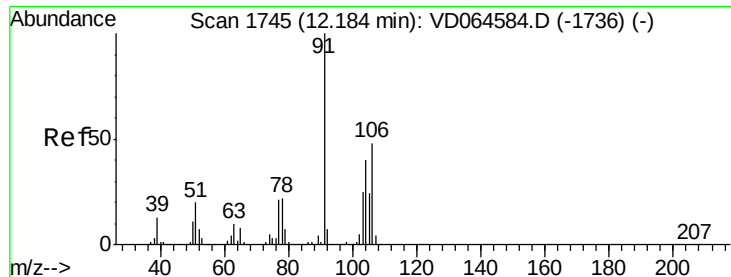
91 198.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

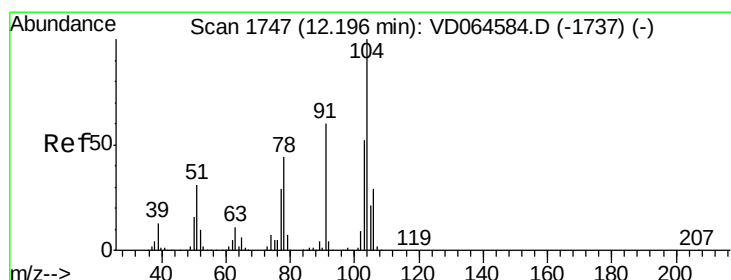
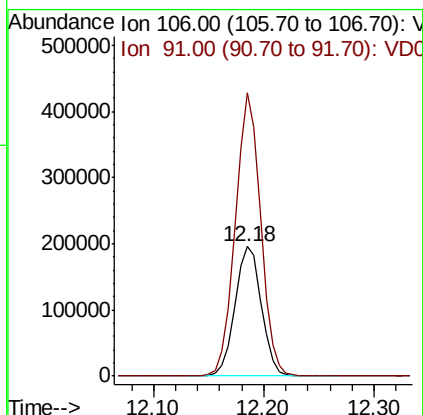
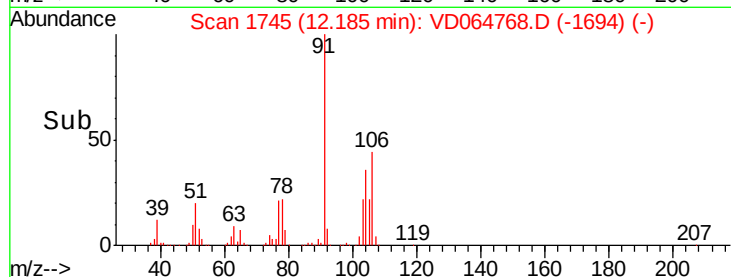
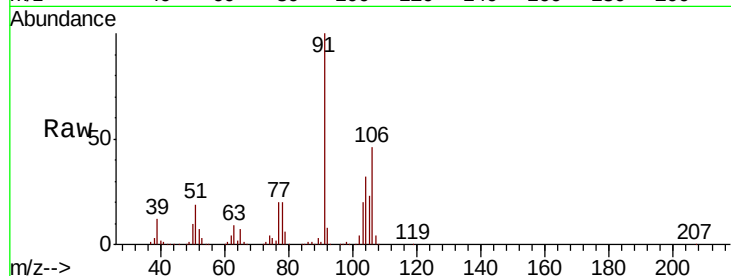




#69
o-Xylene
Concen: 53.106 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

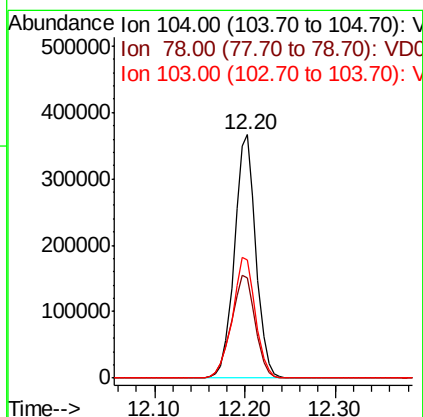
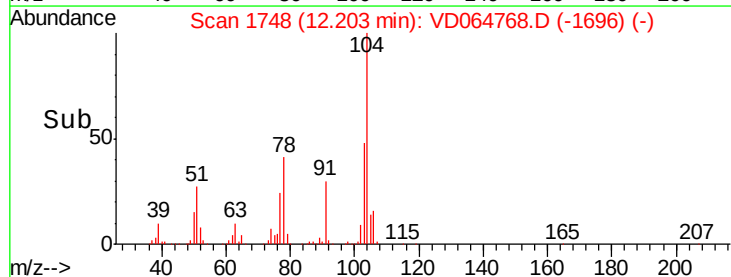
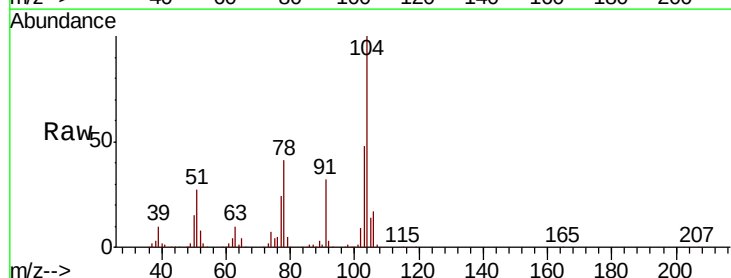
Instrument :
MSVOA_D
ClientSampled :

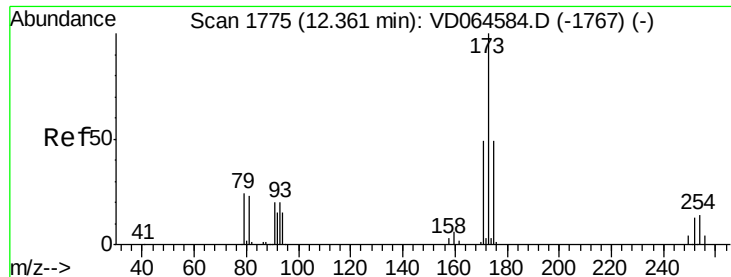
Tot Ion:106 Resp: 328978
Ion Ratio Lower Upper
106 100
91 210.0 104.8 314.4



#70
Styrene
Concen: 55.482 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion:104 Resp: 603287
Ion Ratio Lower Upper
104 100
78 47.1 38.2 57.2
103 53.5 44.6 67.0





#71

Bromoform

Concen: 54.797 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampled :

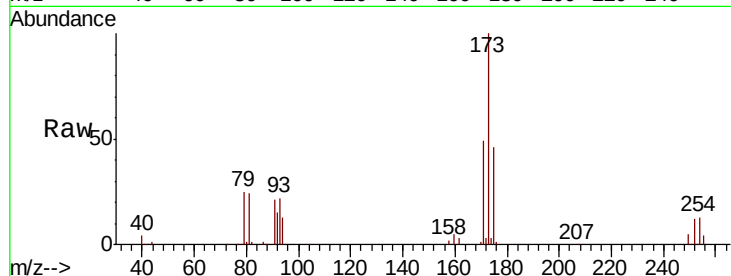
Tot Ion:173 Resp: 115326

Ion Ratio Lower Upper

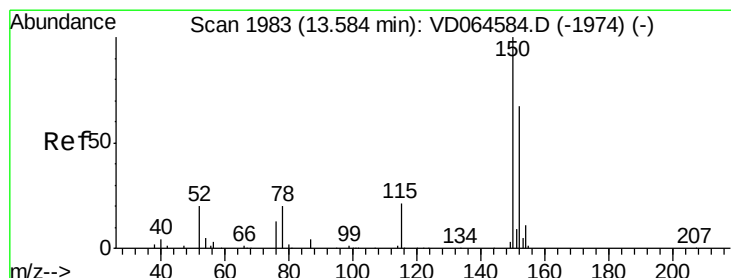
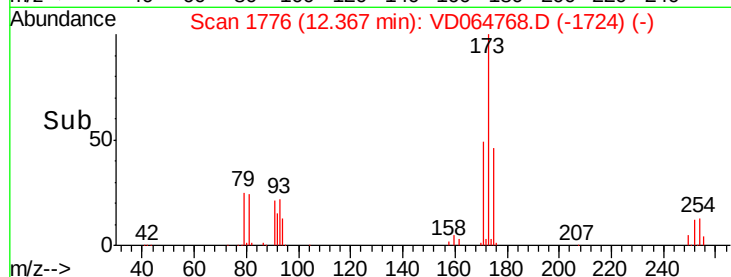
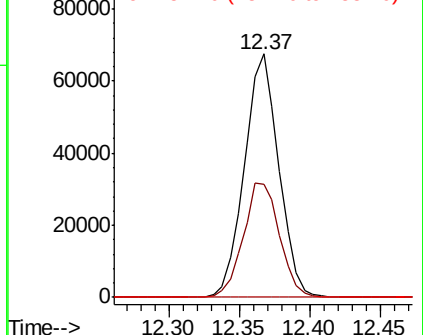
173 100

175 49.5 24.6 73.8

254 0.1 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: VD064768.D

Acq: 04 Jan 2020 08:47

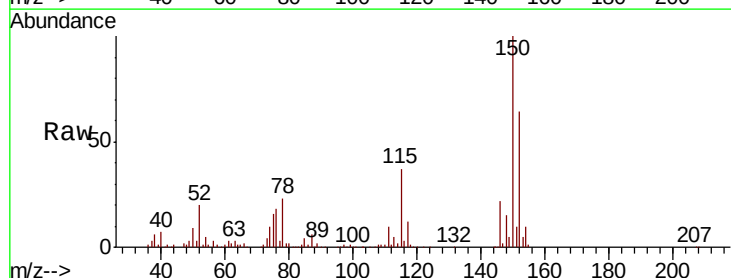
Tgt Ion:152 Resp: 236393

Ion Ratio Lower Upper

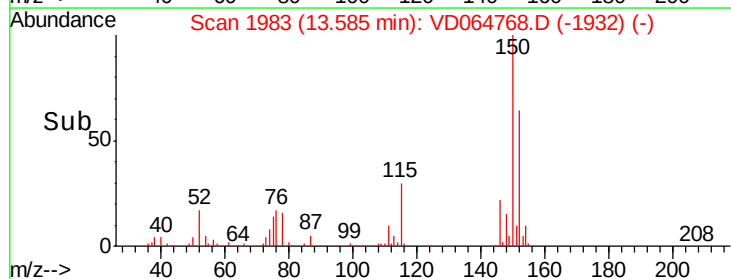
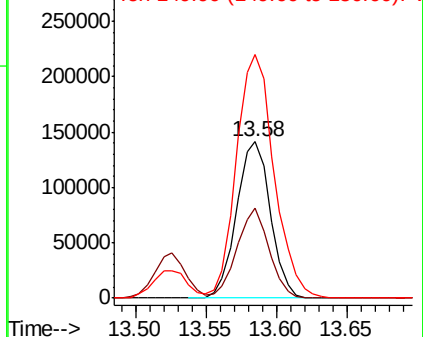
152 100

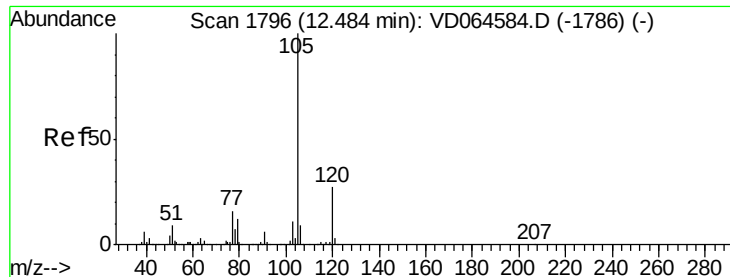
115 54.3 27.8 83.4

150 173.3 0.0 351.4



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





#73

Isopropylbenzene

Concen: 51.013 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

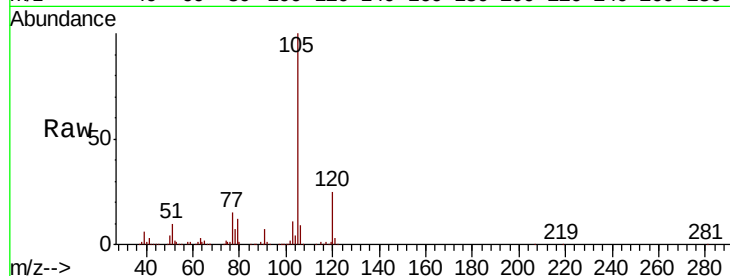
ClientSampleId :

Tot Ion:105 Resp: 861766

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

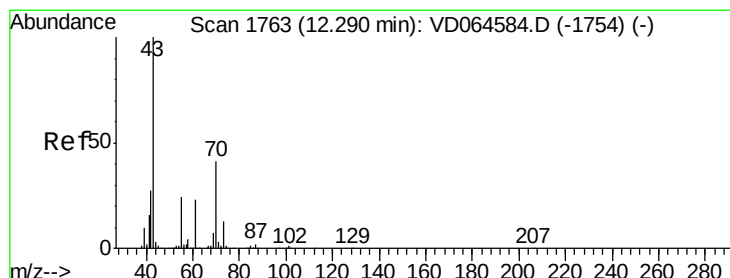
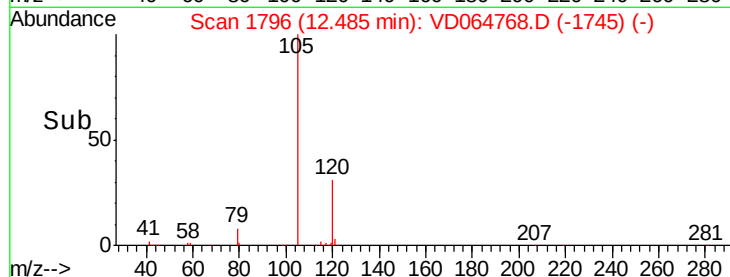
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 56.203 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Tgt Ion: 43 Resp: 202958

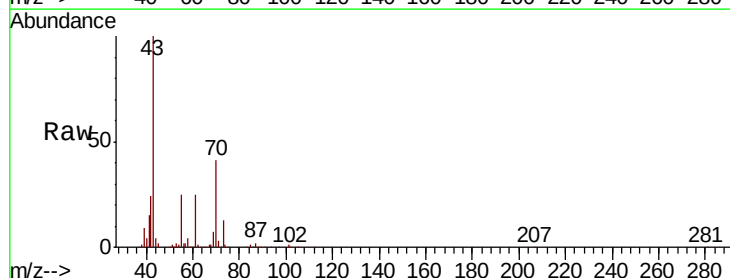
Ion Ratio Lower Upper

43 100

70 41.2 33.4 50.0

55 24.5 19.4 29.0

61 24.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

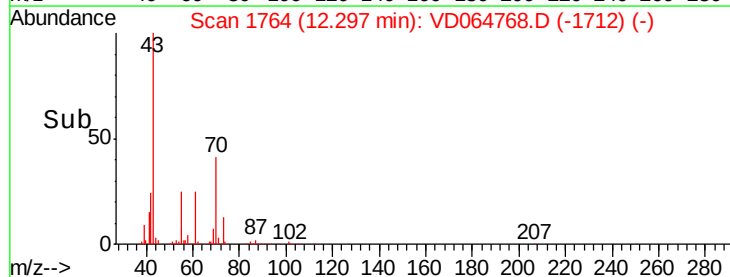
150000

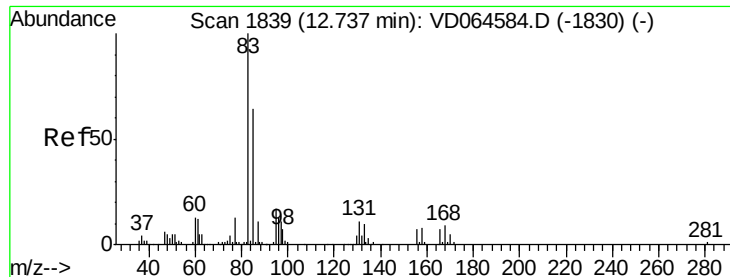
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.506 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampled :

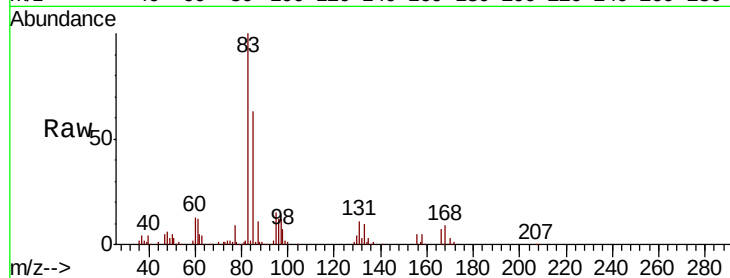
Tot Ion: 83 Resp: 147299

Ion Ratio Lower Upper

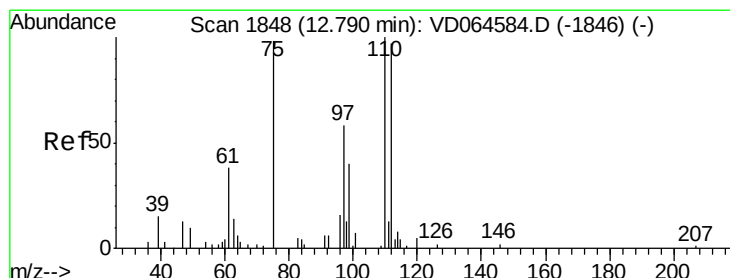
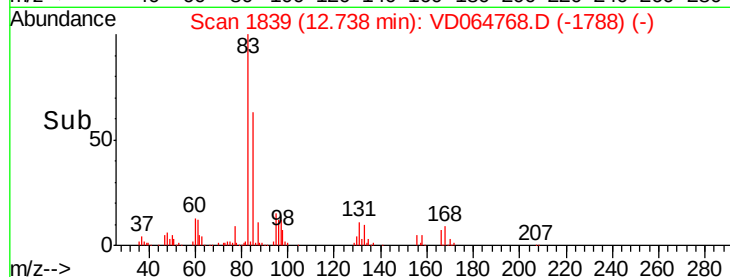
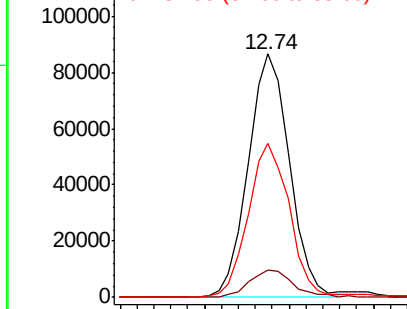
83 100

131 12.0 5.8 17.4

85 62.5 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: 102.739 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064768.D

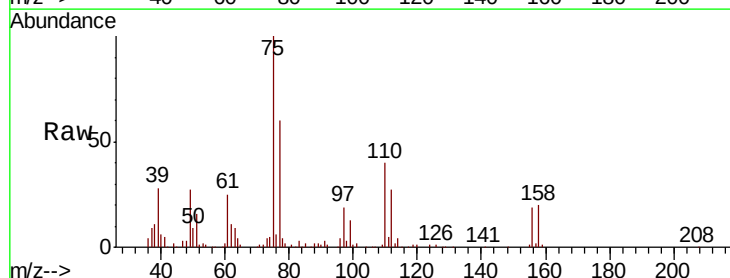
Acq: 04 Jan 2020 08:47

Tgt Ion: 75 Resp: 191784

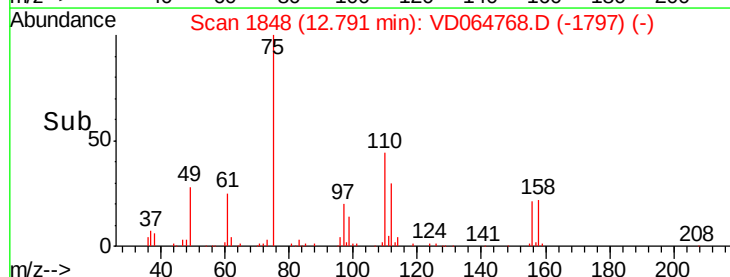
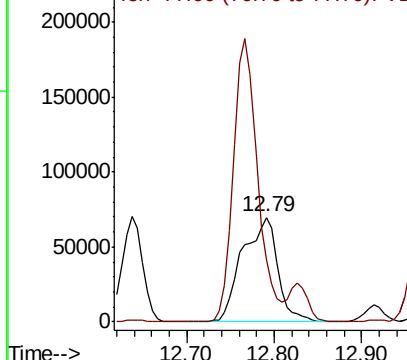
Ion Ratio Lower Upper

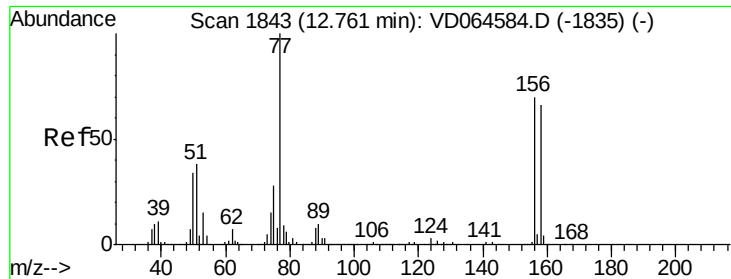
75 100

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: 52.536 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

ClientSampled :

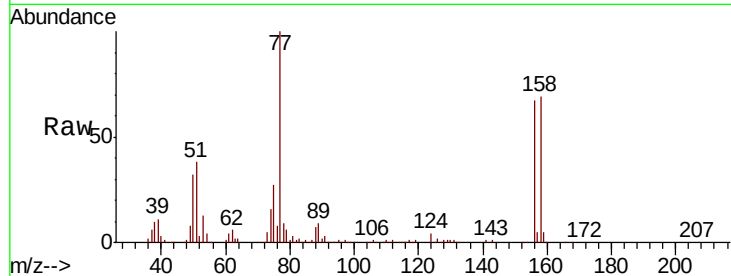
Tot Ion:156 Resp: 218071

Ion Ratio Lower Upper

156 100

77 163.6 80.9 242.7

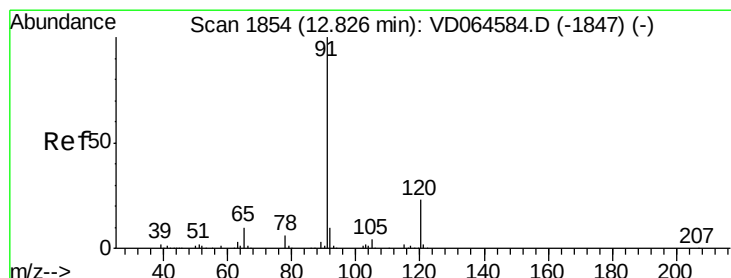
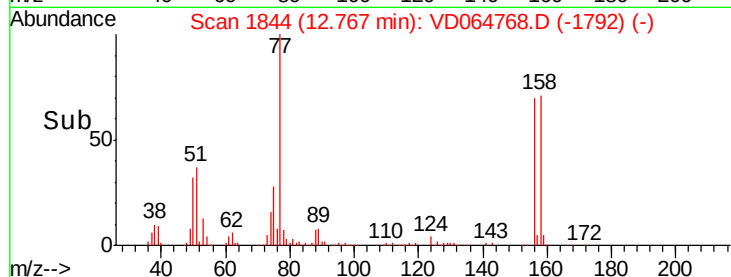
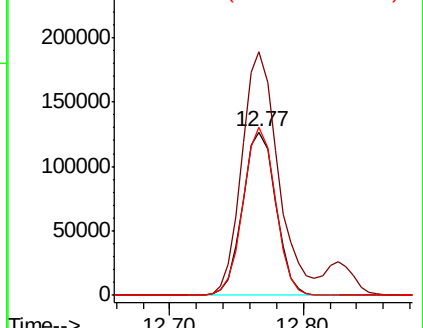
158 100.1 48.0 144.2



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: 50.770 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064768.D

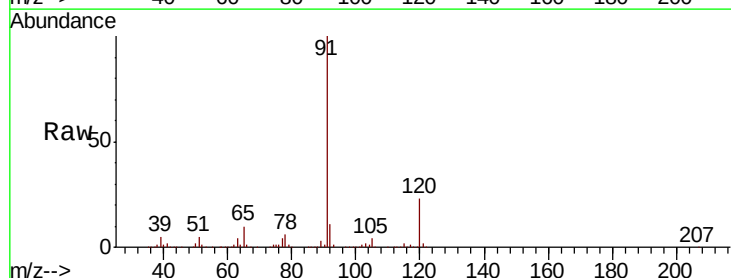
Acq: 04 Jan 2020 08:47

Tgt Ion: 91 Resp: 1000567

Ion Ratio Lower Upper

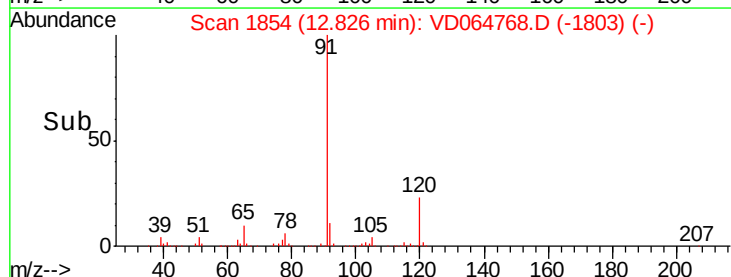
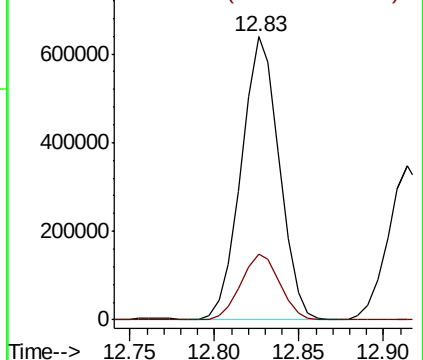
91 100

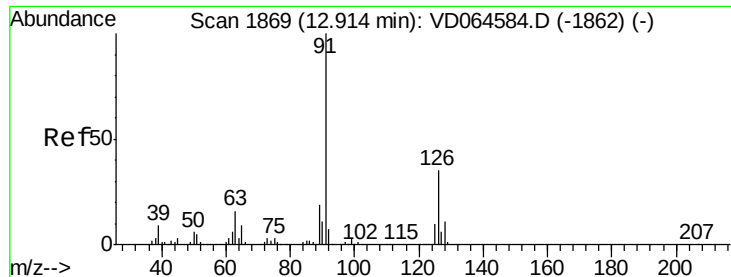
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

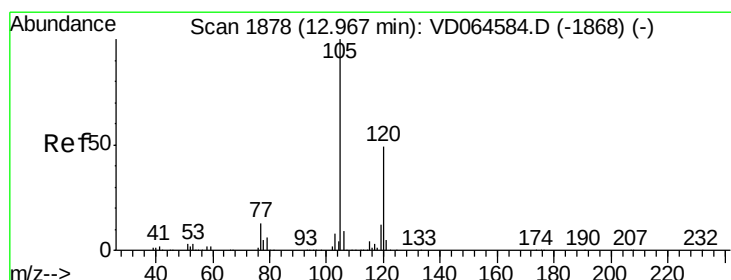
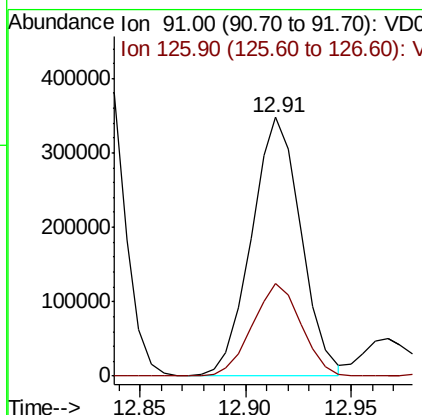
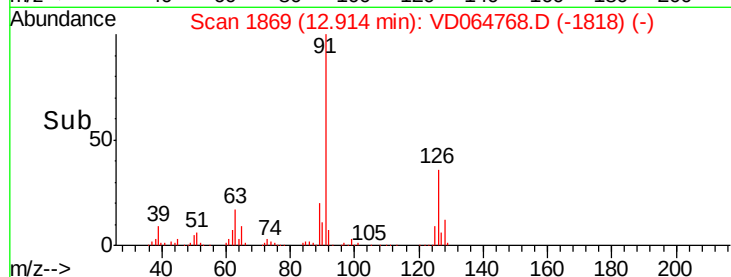
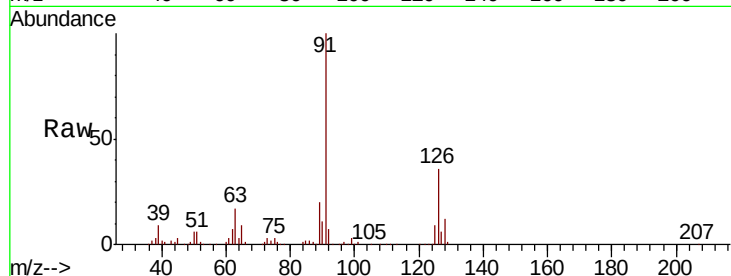




#79
 2-Chlorotoluene
 Concen: 52.188 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

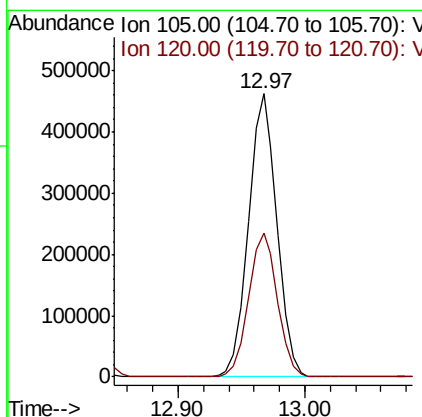
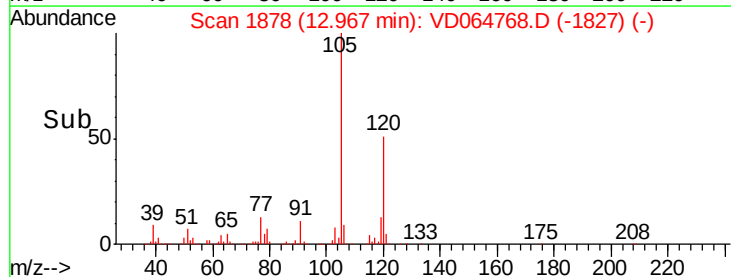
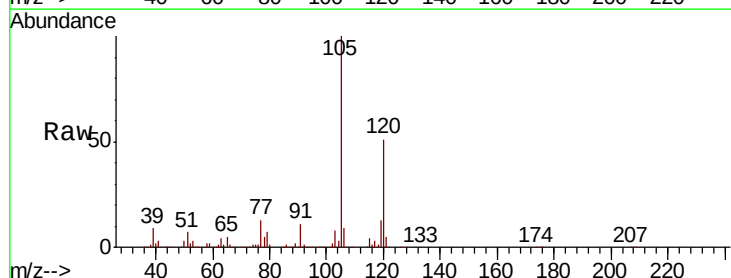
Instrument :
 MSVOA_D
 ClientSampled :

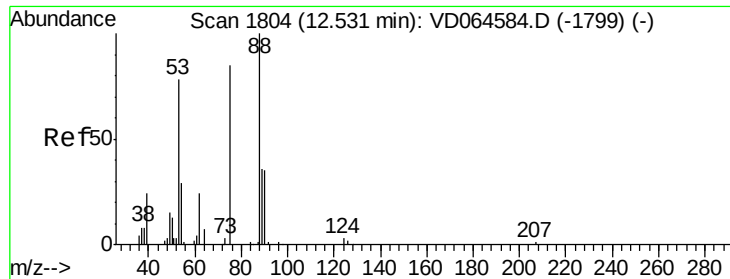
Tot Ion: 91 Resp: 565008
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.773 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 105 Resp: 718445
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.385 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

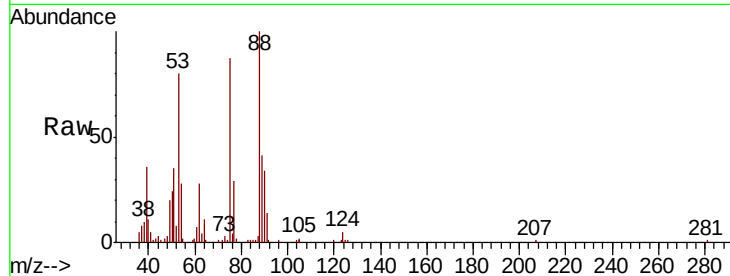
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 44970

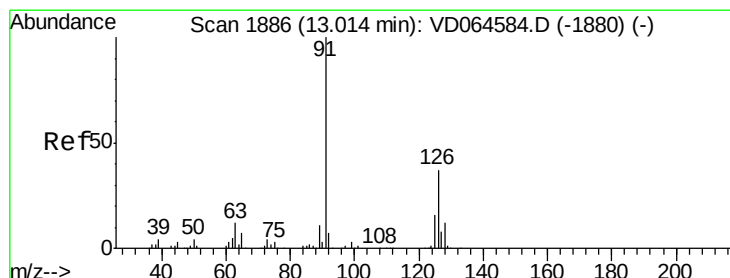
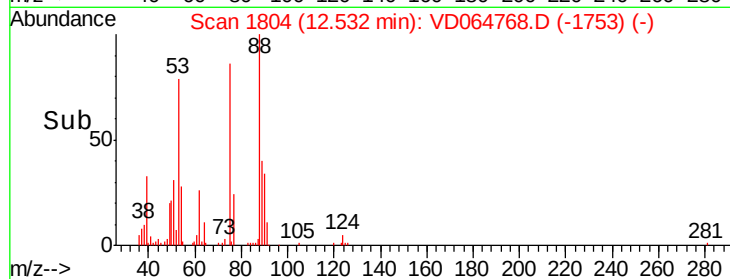
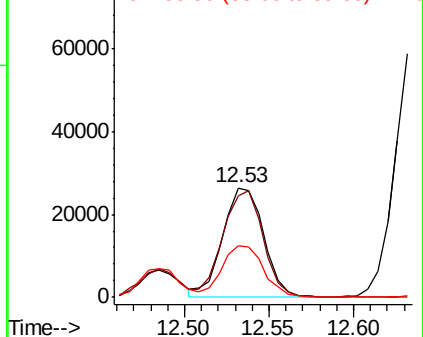
Ion	Ratio	Lower	Upper
75	100		
53	95.5	78.8	118.2
89	47.6	38.3	57.5



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: 51.895 ug/l

RT: 13.01 min Scan# 1886

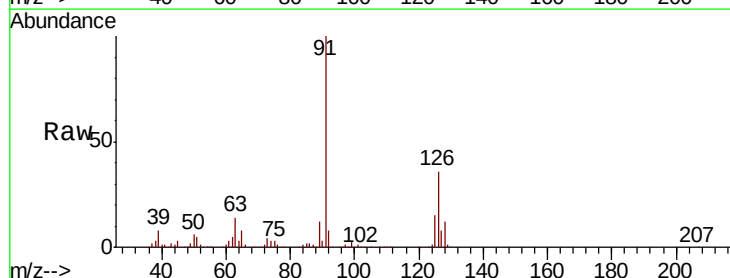
Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

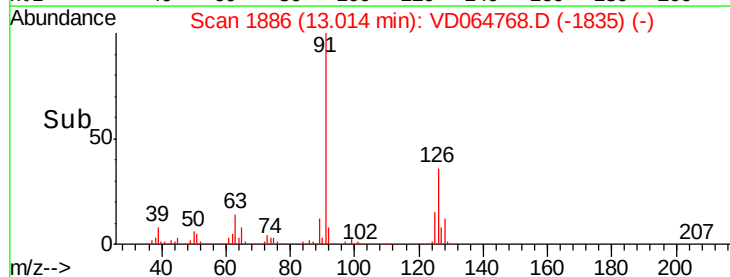
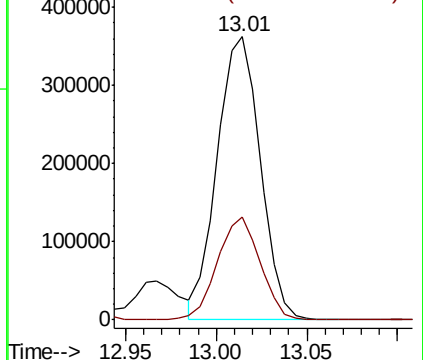
Tgt Ion: 91 Resp: 597896

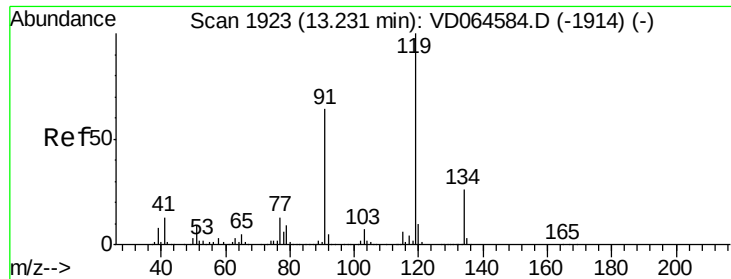
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

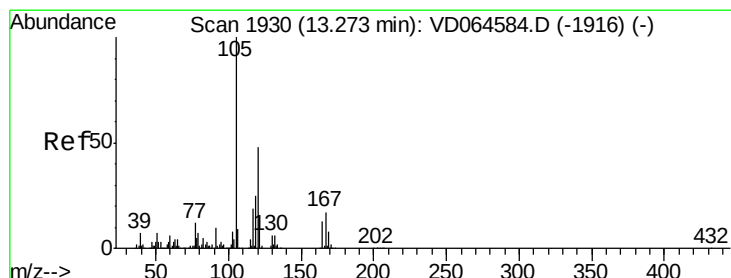
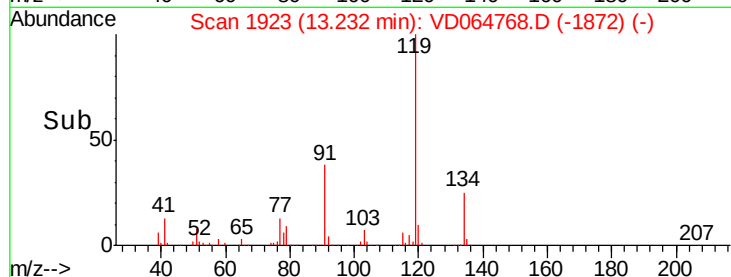
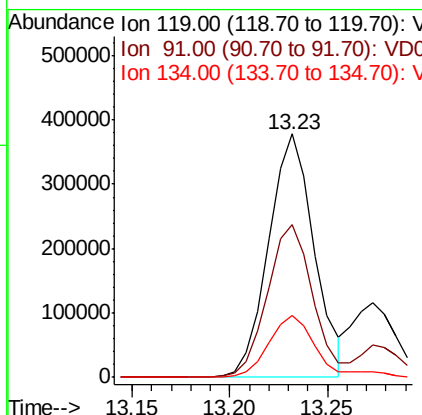
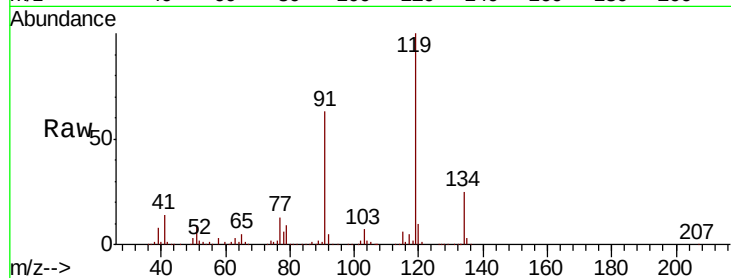




#83
 tert-Butylbenzene
 Concen: 50.654 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

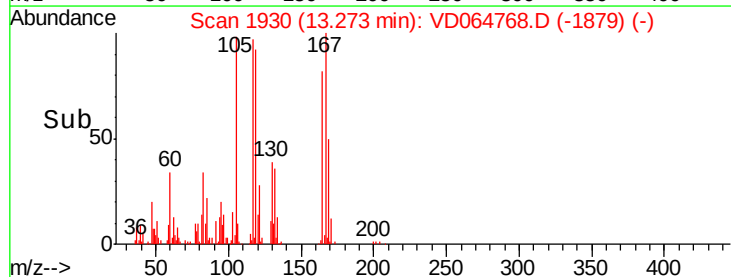
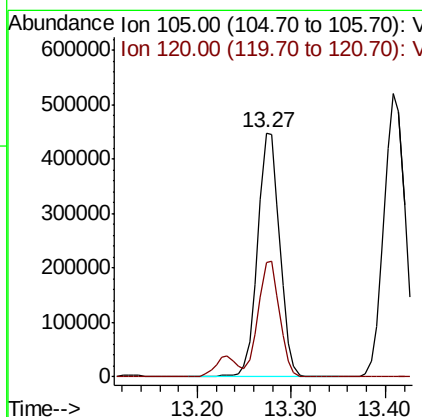
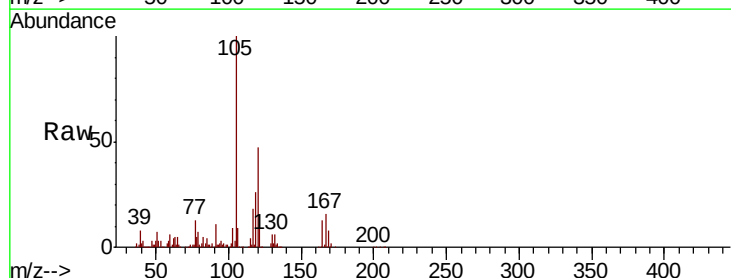
Instrument :
 MSVOA_D
 ClientSampled :

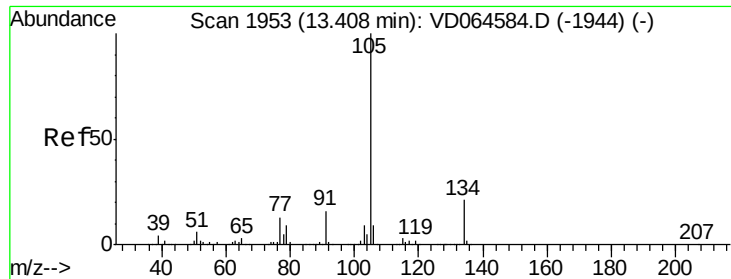
Tot Ion:119 Resp: 610314
 Ion Ratio Lower Upper
 119 100
 91 63.4 30.8 92.4
 134 27.1 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.642 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion:105 Resp: 727544
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.8 71.2





#85

sec-Butylbenzene

Concen: 49.760 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

Instrument :

MSVOA_D

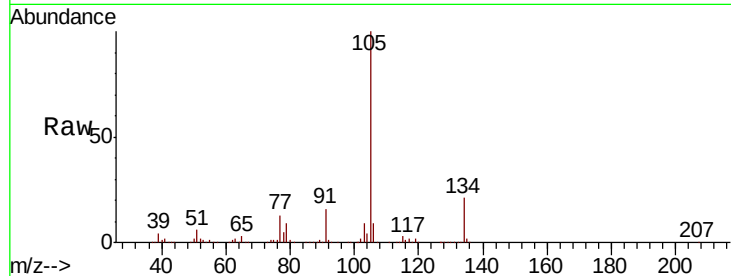
ClientSampleId :

Tot Ion:105 Resp: 821945

Ion Ratio Lower Upper

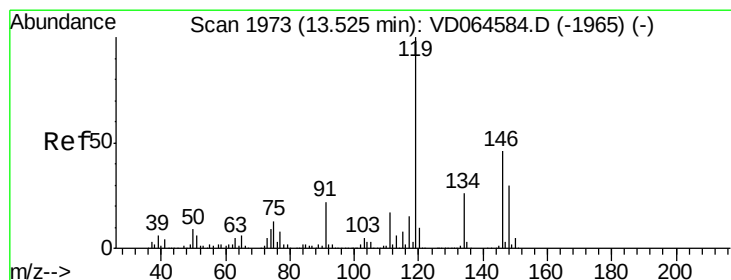
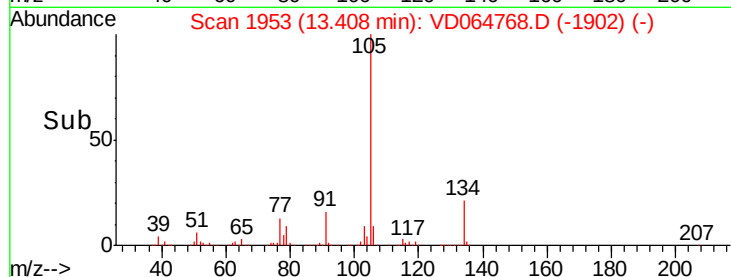
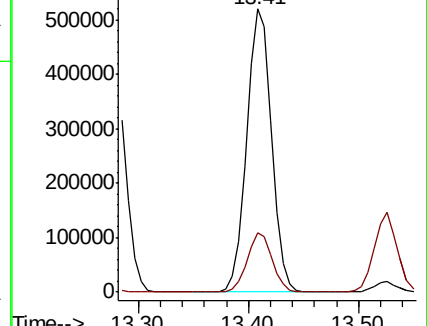
105 100

134 21.0 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: 50.089 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064768.D

Acq: 04 Jan 2020 08:47

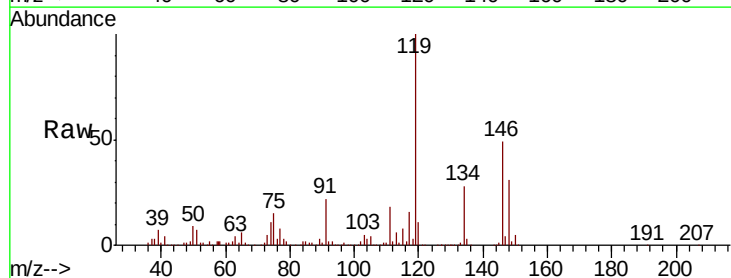
Tgt Ion:119 Resp: 791120

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

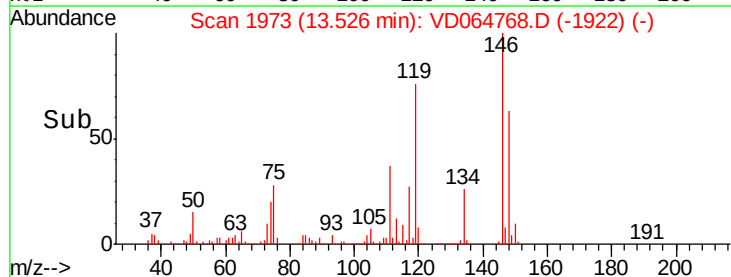
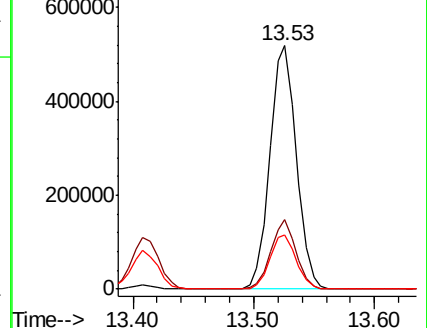
91 22.1 11.2 33.6

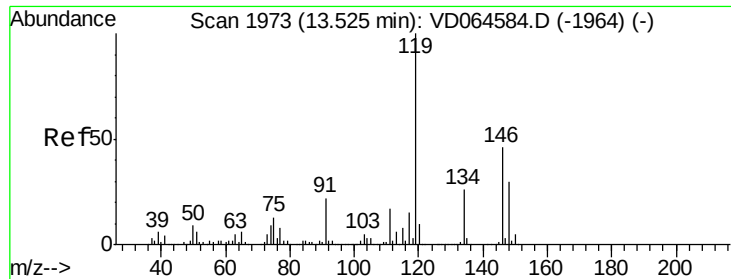


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

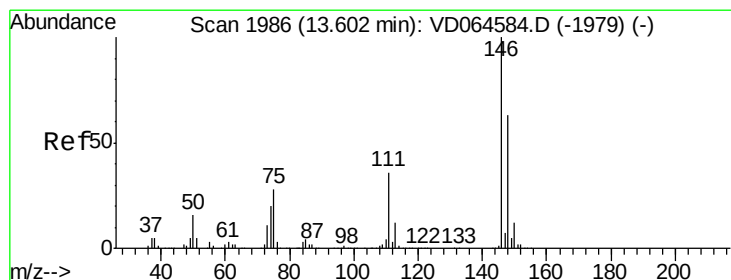
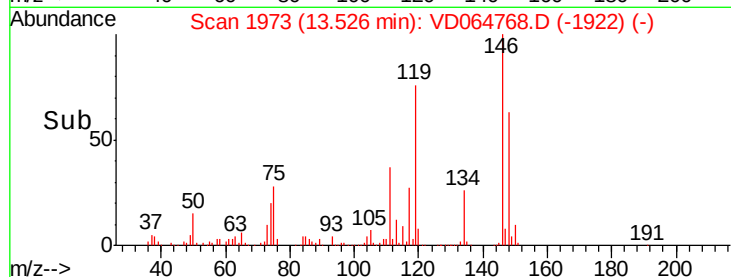
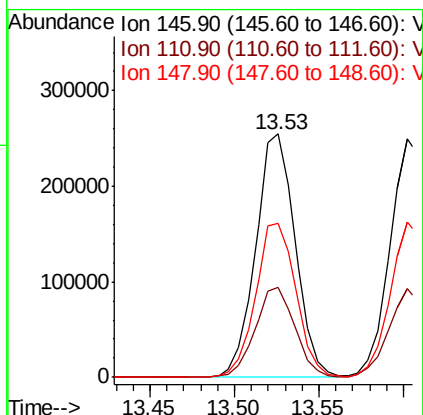
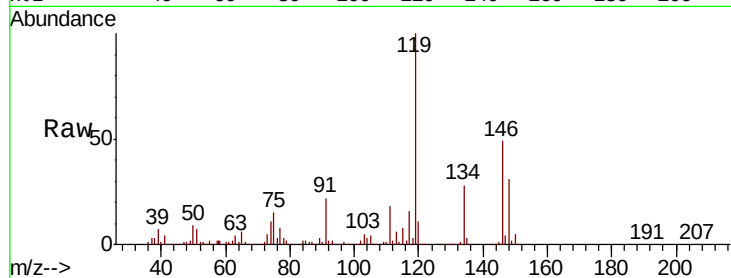




#87
 1,3-Dichlorobenzene
 Concen: 52.443 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

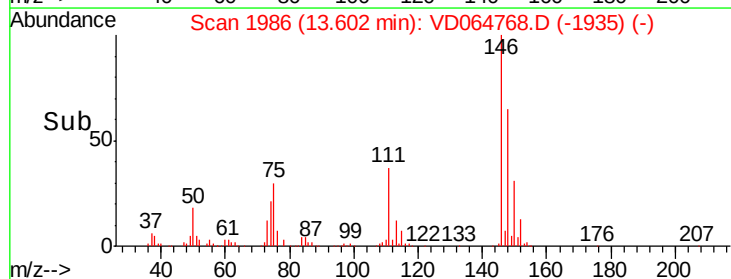
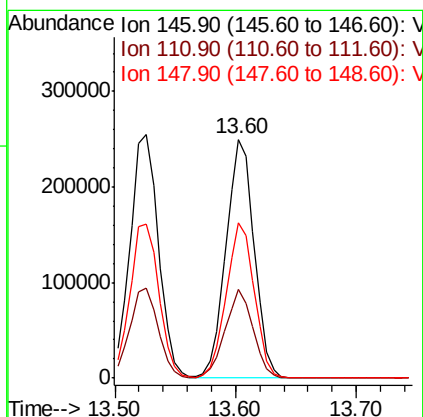
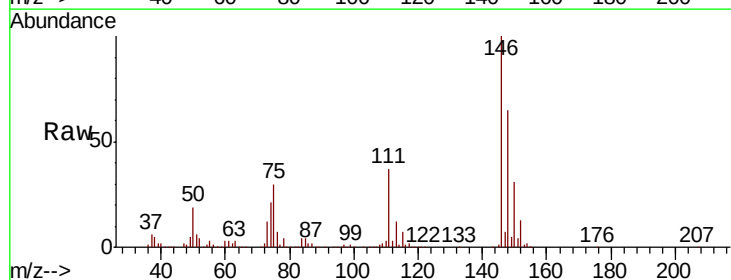
Instrument :
 MSVOA_D
 ClientSampleId :

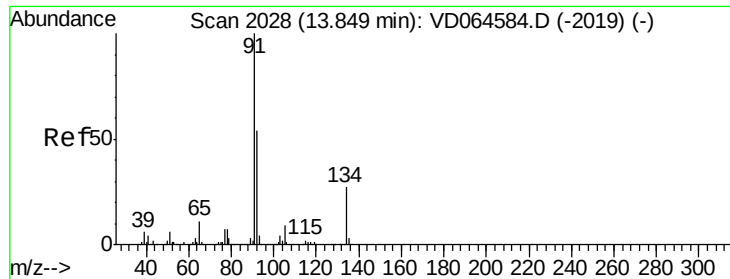
Tot Ion:146 Resp: 414985
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 52.169 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion:146 Resp: 405537
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.1
 148 64.4 32.3 96.9

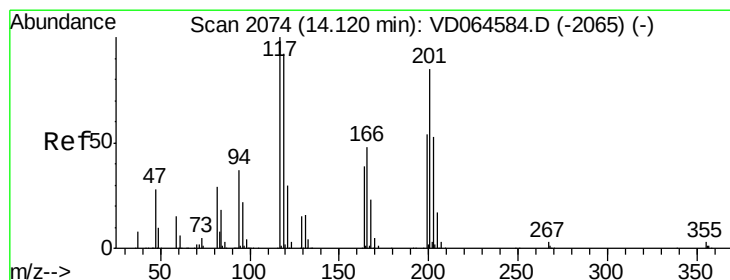
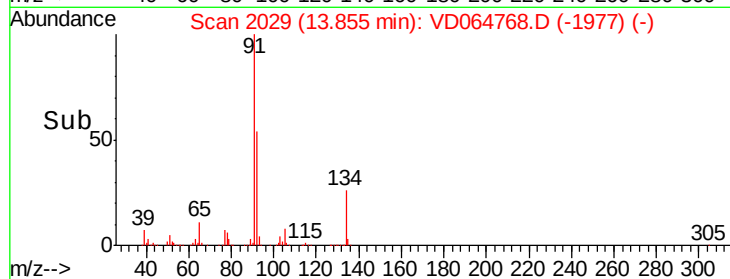
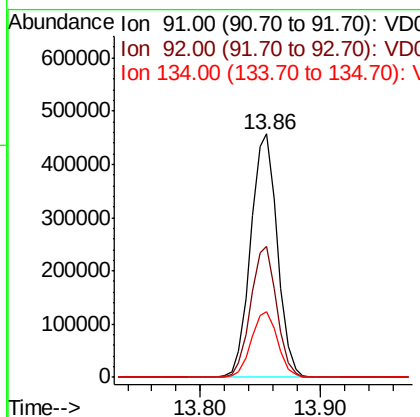
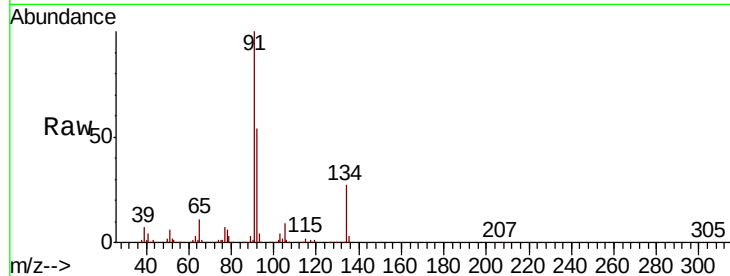




#89
n-Butylbenzene
Concen: 49.358 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

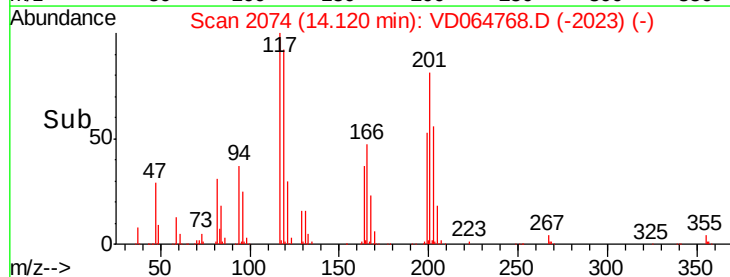
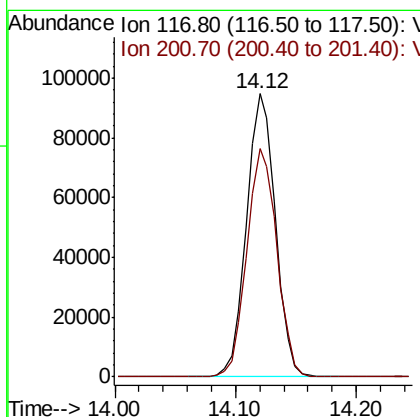
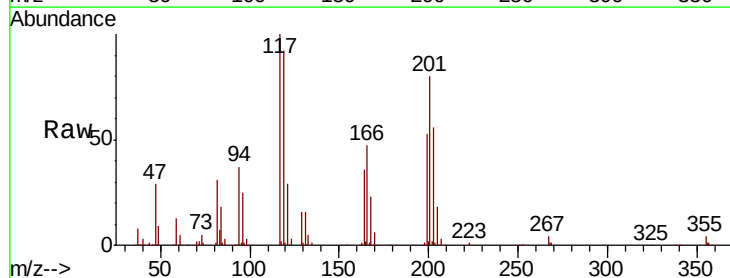
Instrument :
MSVOA_D
ClientSampleId :

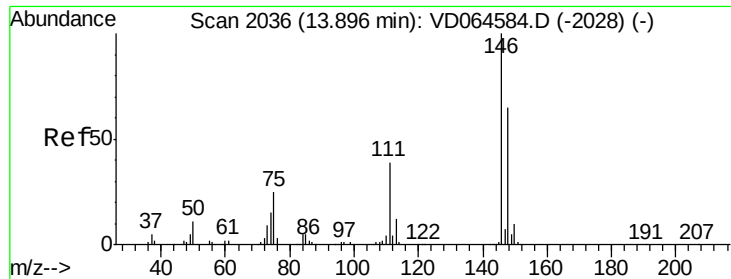
Tot Ion: 91 Resp: 702033
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.4
134 26.7 14.0 41.9



#90
Hexachloroethane
Concen: 52.514 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion: 117 Resp: 158437
Ion Ratio Lower Upper
117 100
201 83.7 44.0 131.8

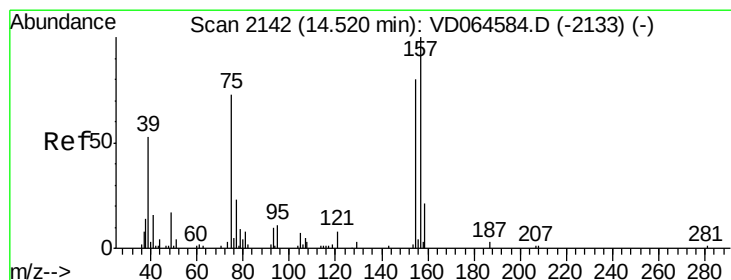
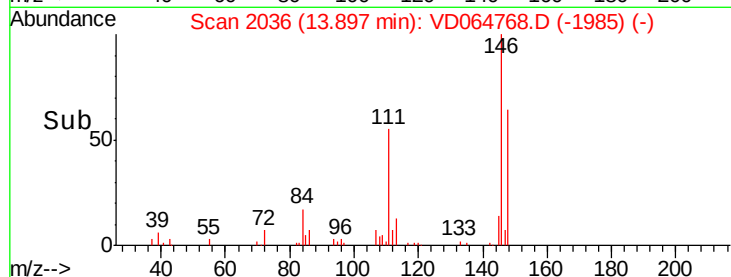
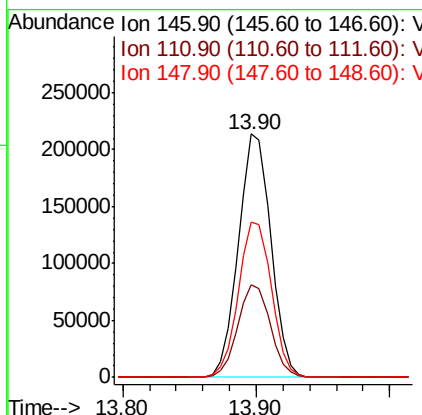
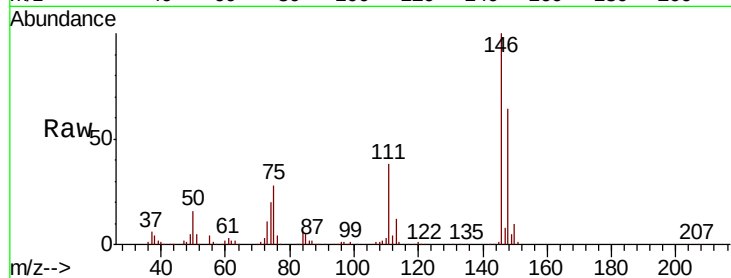




#91
 1,2-Dichlorobenzene
 Concen: 53.435 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

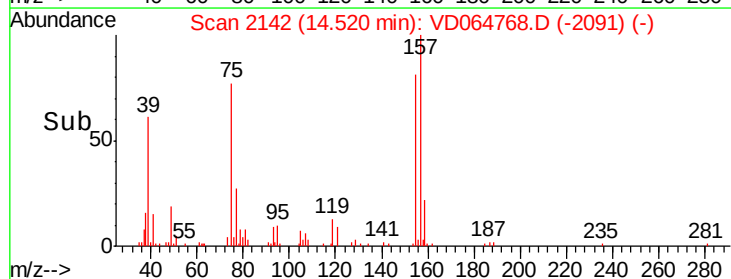
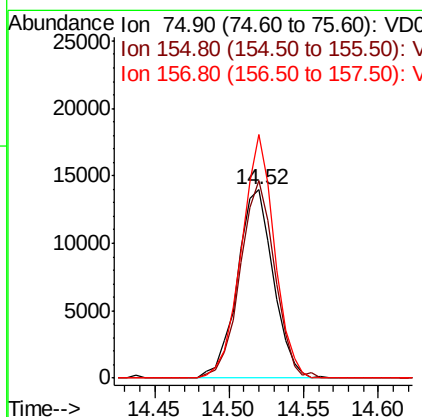
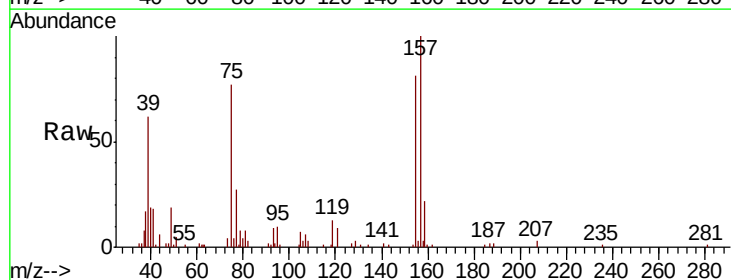
Instrument :
 MSVOA_D
 ClientSampleId :

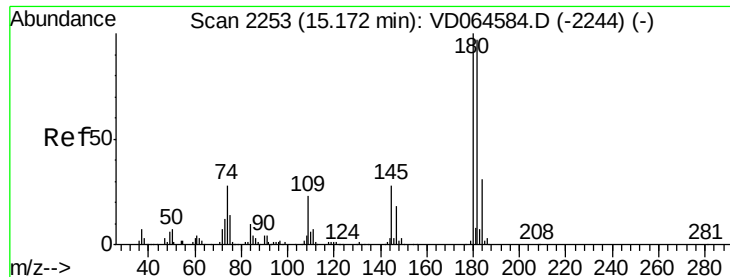
Tot Ion:146 Resp: 360553
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.3 57.9
 148 64.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.363 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion: 75 Resp: 23387
 Ion Ratio Lower Upper
 75 100
 155 100.3 48.0 144.0
 157 117.7 64.1 192.3

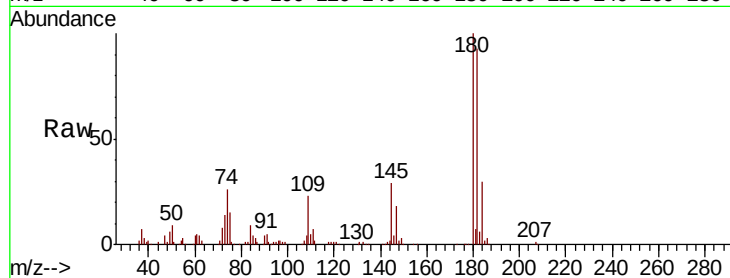




#93
 1,2,4-Trichlorobenzene
 Concen: 51.393 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.2
145	27.8	13.8	41.4

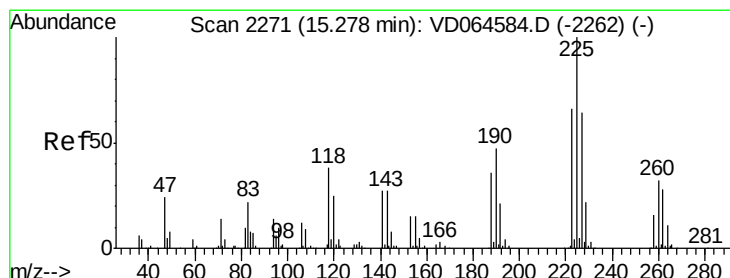
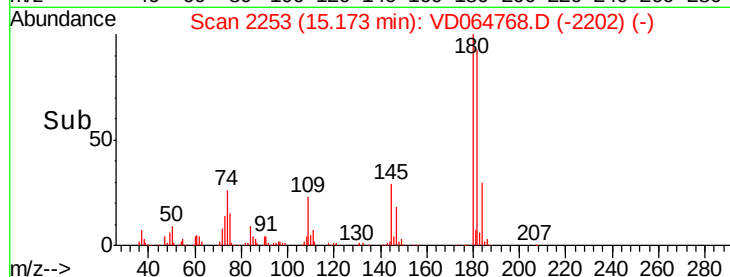
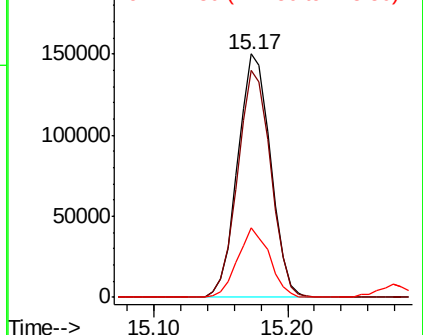


Abundance

Ion 179.80 (179.50 to 180.50): V

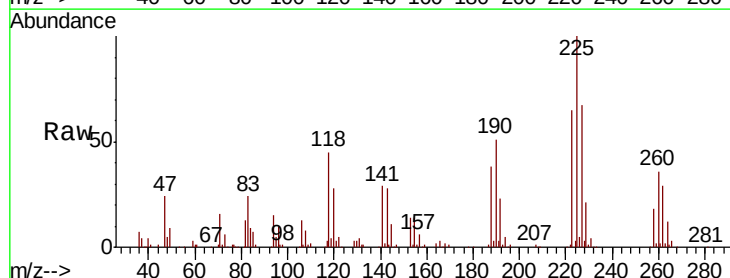
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.112 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064768.D
 Acq: 04 Jan 2020 08:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.2
227	65.5	30.9	92.7

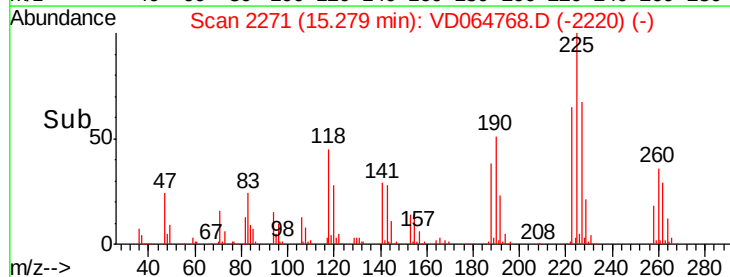
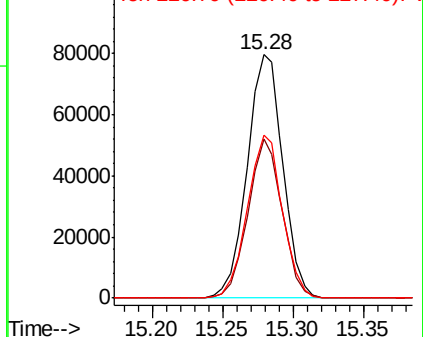


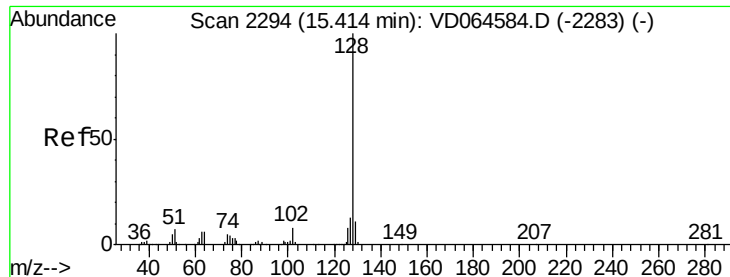
Abundance

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

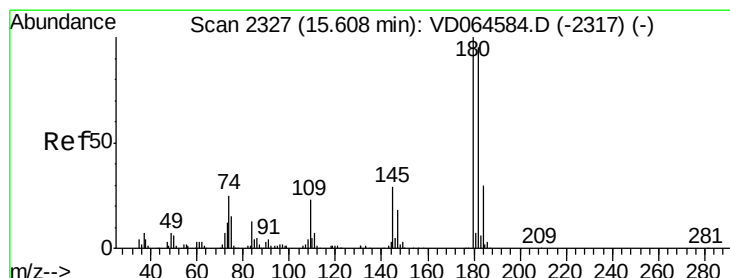
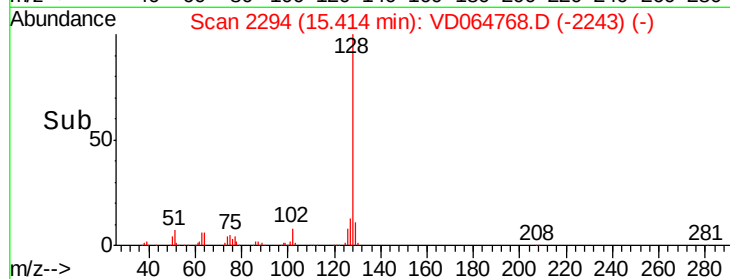
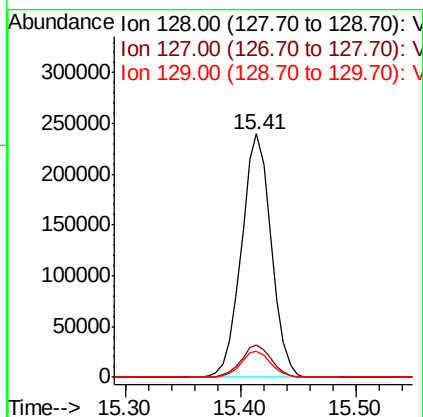
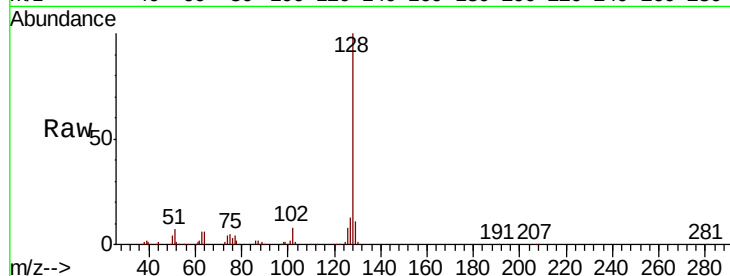




#95
Naphthalene
Concen: 54.442 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 427902
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 53.052 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064768.D
Acq: 04 Jan 2020 08:47

Tgt Ion:180 Resp: 225015
Ion Ratio Lower Upper
180 100
182 93.1 47.9 143.7
145 29.5 14.9 44.7

