

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064770.D
 Acq On : 06 Jan 2020 13:37
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:34:29 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	443790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	533136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	185456	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	7.91	113	189114	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	10.34	98	743886	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.64	95	233618	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	168118	48.745	ug/l	98
3) Chloromethane	2.21	50	227452	47.155	ug/l	99
4) Vinyl Chloride	2.35	62	285772	48.591	ug/l	97
5) Bromomethane	2.77	94	200003	46.771	ug/l	99
6) Chloroethane	2.92	64	189351	48.050	ug/l	100
7) Trichlorofluoromethane	3.27	101	487728	49.253	ug/l	99
8) Diethyl Ether	3.70	74	90770	46.160	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	210958	51.440	ug/l	99
10) Methyl Iodide	4.29	142	237465	53.906	ug/l	100
11) Tert butyl alcohol	5.24	59	61953	276.240	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	195364	50.037	ug/l	96
13) Acrolein	3.92	56	76913	246.077	ug/l	99
14) Allyl chloride	4.71	41	306026	50.271	ug/l	99
15) Acrylonitrile	5.42	53	196152	239.478	ug/l	98
16) Acetone	4.16	43	236561	292.516	ug/l	97
17) Carbon Disulfide	4.40	76	592993	46.971	ug/l	100
18) Methyl Acetate	4.72	43	97228	44.132	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	413676	47.701	ug/l	96
20) Methylene Chloride	4.96	84	207044	51.920	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	221411	49.794	ug/l	96
22) Diisopropyl ether	6.36	45	602972	49.660	ug/l	96
23) Vinyl Acetate	6.31	43	1715903	249.127	ug/l	98
24) 1,1-Dichloroethane	6.26	63	370408	50.816	ug/l	98
25) 2-Butanone	7.22	43	269981	250.989	ug/l	99
26) 2,2-Dichloropropane	7.21	77	351016	51.794	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	237661	49.525	ug/l	97
28) Bromochloromethane	7.55	49	134226	47.371	ug/l	99
29) Tetrahydrofuran	7.57	42	151637	226.685	ug/l	98
30) Chloroform	7.71	83	389819	50.973	ug/l	98
31) Cyclohexane	7.98	56	352558	48.319	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	373883	52.050	ug/l	99
36) 1,1-Dichloropropene	8.11	75	315926	53.016	ug/l	99
37) Ethyl Acetate	7.30	43	109229	46.658	ug/l	99
38) Carbon Tetrachloride	8.10	117	349211	54.958	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	383387	53.119	ug/l	95
40) Benzene	8.35	78	845902	51.999	ug/l	100
41) Methacrylonitrile	7.53	41	71787	52.852	ug/l	97
42) 1,2-Dichloroethane	8.43	62	237966	50.621	ug/l	99
43) Isopropyl Acetate	8.46	43	223978	48.068	ug/l	98
44) Trichloroethene	9.11	130	249107	52.126	ug/l	96
45) 1,2-Dichloropropane	9.39	63	202722	52.193	ug/l	100
46) Dibromomethane	9.48	93	105357	48.652	ug/l	97
47) Bromodichloromethane	9.66	83	295439	51.270	ug/l	99
48) Methyl methacrylate	9.46	41	112543	51.295	ug/l	99
49) 1,4-Dioxane	9.47	88	24272	972.044	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	560348	243.295	ug/l	100
52) Toluene	10.40	92	554299	51.935	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	276121	51.396	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	329170	51.962	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	142594	48.860	ug/l	96
56) Ethyl methacrylate	10.66	69	181785	49.876	ug/l	100
57) 1,3-Dichloropropane	10.95	76	249404	49.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	307871	221.711	ug/l	100
59) 2-Hexanone	10.99	43	417526	267.096	ug/l	100
60) Dibromochloromethane	11.14	129	200329	49.638	ug/l	99
61) 1,2-Dibromoethane	11.25	107	139745	48.548	ug/l	99
64) Tetrachloroethene	10.88	164	217131	53.087	ug/l	98
65) Chlorobenzene	11.67	112	576367	52.088	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	218082	52.280	ug/l	100
67) Ethyl Benzene	11.75	91	1088826	54.214	ug/l	98
68) m/p-Xylenes	11.86	106	840599	108.437	ug/l	99
69) o-Xylene	12.18	106	375623	53.645	ug/l	99
70) Styrene	12.20	104	655367	53.323	ug/l	99
71) Bromoform	12.37	173	117244	49.286	ug/l #	99
73) Isopropylbenzene	12.48	105	1051532	55.445	ug/l	100
74) N-amyl acetate	12.30	43	206391	50.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	148398	49.810	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	202392	96.576	ug/l #	100
77) Bromobenzene	12.77	156	243243	52.198	ug/l	99
78) n-propylbenzene	12.83	91	1238109	55.959	ug/l	99
79) 2-Chlorotoluene	12.91	91	653567	53.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	855301	54.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53494	53.387	ug/l	99
82) 4-Chlorotoluene	13.01	91	696537	53.851	ug/l	99
83) tert-Butylbenzene	13.23	119	747193	55.239	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	839076	54.079	ug/l	99
85) sec-Butylbenzene	13.41	105	1051573	56.707	ug/l	99
86) p-Isopropyltoluene	13.53	119	986810	55.652	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	466160	52.474	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	453792	51.999	ug/l	99
89) n-Butylbenzene	13.85	91	905134	56.684	ug/l	99
90) Hexachloroethane	14.12	117	184759	54.548	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	388920	51.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23089	47.806	ug/l	96

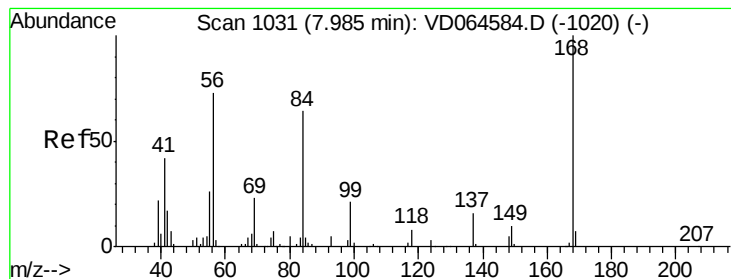
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	283788	50.879	ug/l	99
94) Hexachlorobutadiene	15.28	225	187182	53.331	ug/l	99
95) Naphthalene	15.41	128	439286	49.784	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	234982	49.349	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

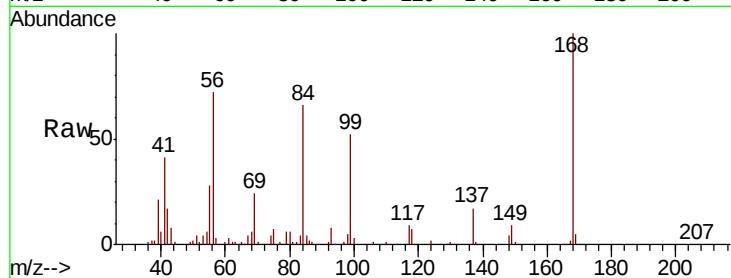
ClientSampled :

Tot Ion:168 Resp: 443790

Ion Ratio Lower Upper

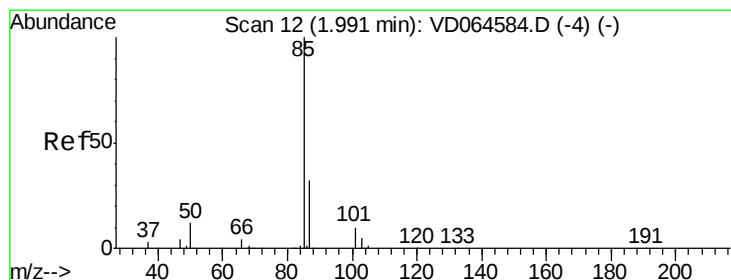
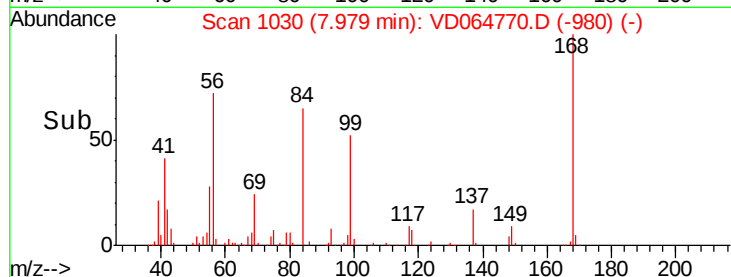
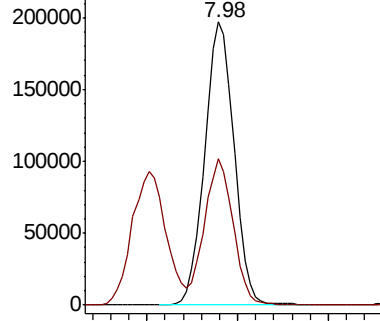
168 100

99 51.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.745 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064770.D

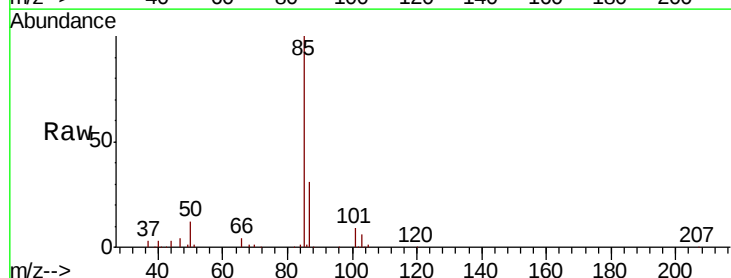
Acq: 06 Jan 2020 13:37

Tgt Ion: 85 Resp: 168118

Ion Ratio Lower Upper

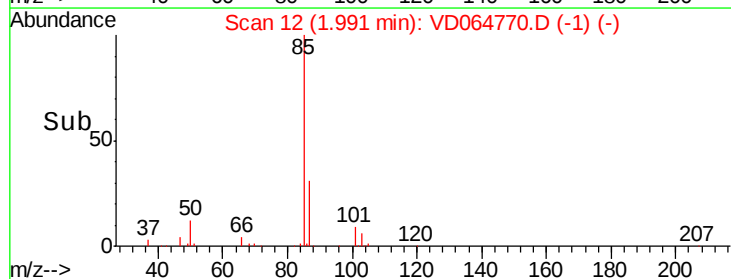
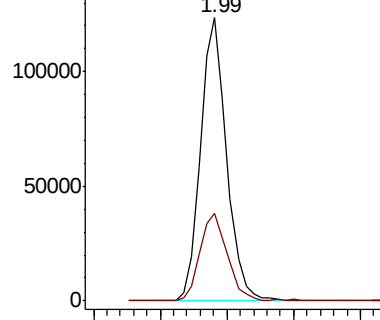
85 100

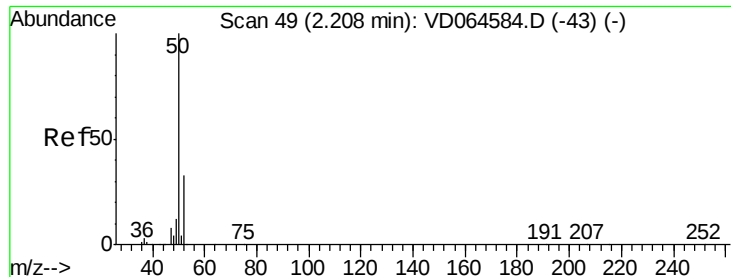
87 30.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.155 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

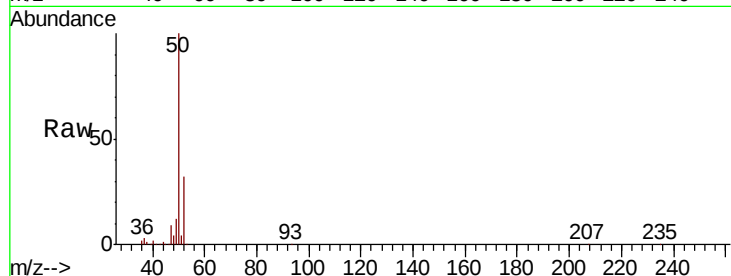
ClientSampleId :

Tot Ion: 50 Resp: 227452

Ion Ratio Lower Upper

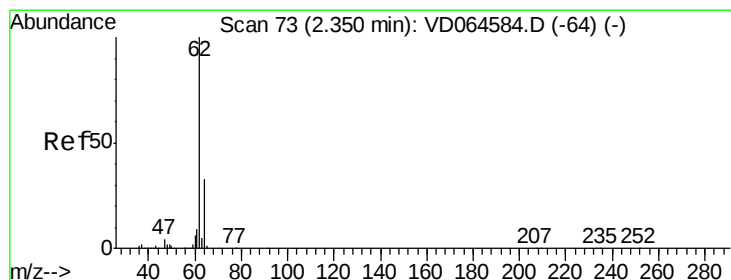
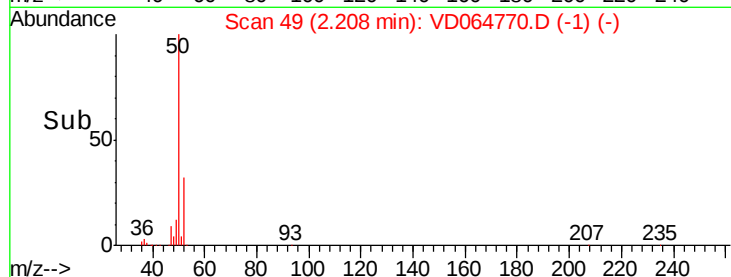
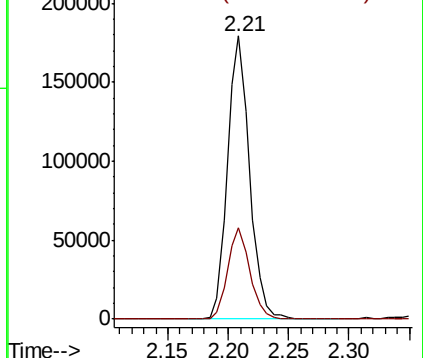
50 100

52 32.3 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: 48.591 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064770.D

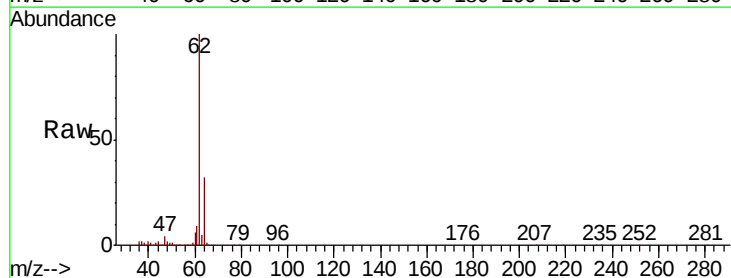
Acq: 06 Jan 2020 13:37

Tgt Ion: 62 Resp: 285772

Ion Ratio Lower Upper

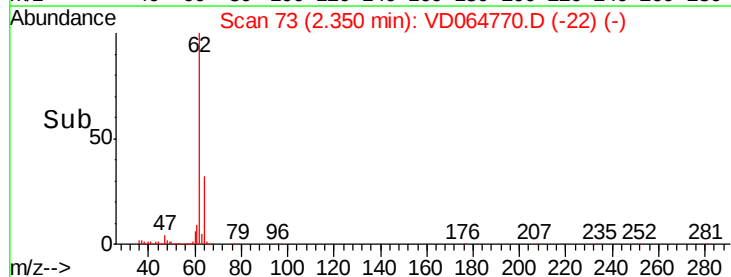
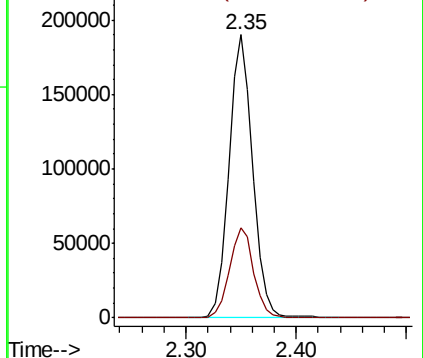
62 100

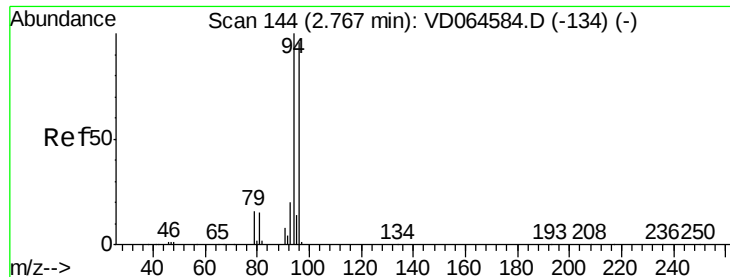
64 31.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.771 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

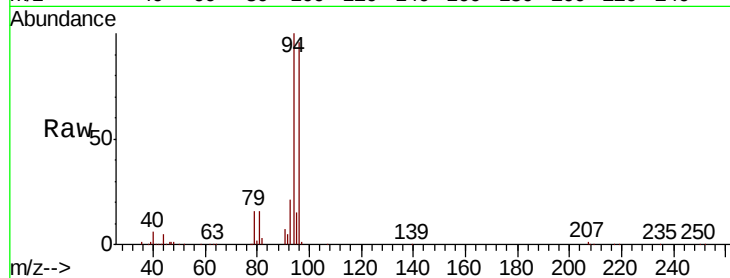
ClientSampleId :

Tot Ion: 94 Resp: 200003

Ion Ratio Lower Upper

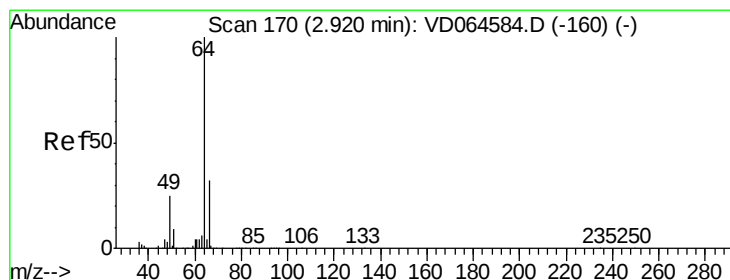
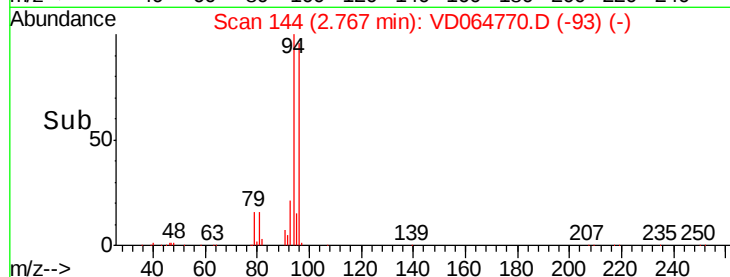
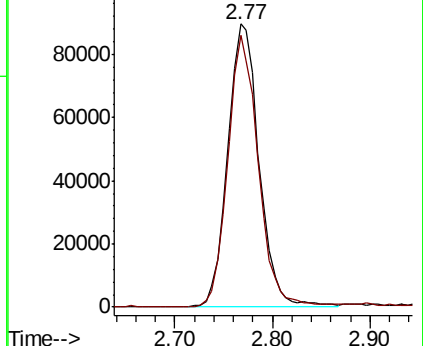
94 100

96 96.0 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: 48.050 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064770.D

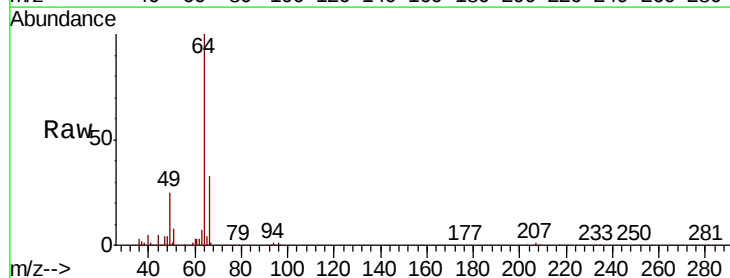
Acq: 06 Jan 2020 13:37

Tgt Ion: 64 Resp: 189351

Ion Ratio Lower Upper

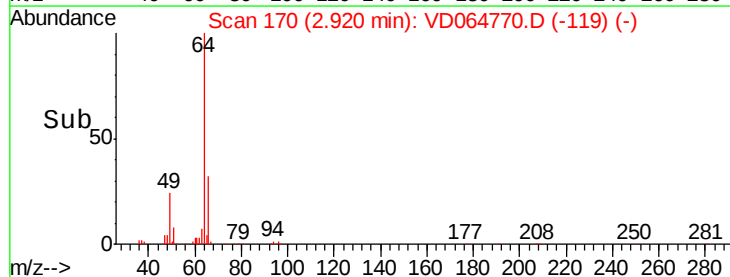
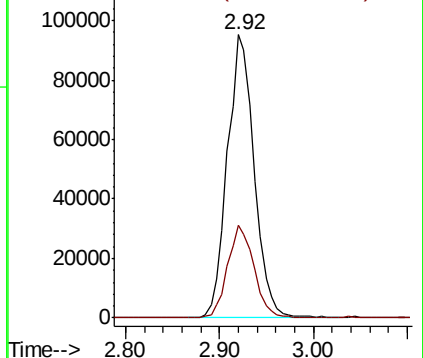
64 100

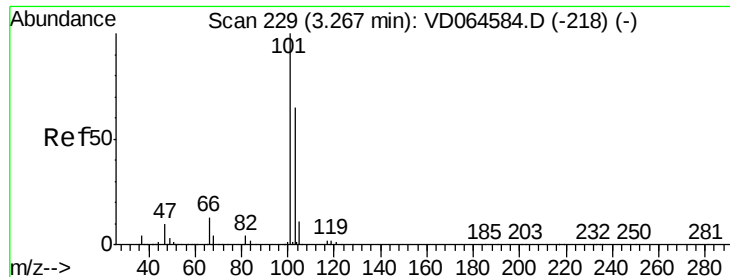
66 32.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



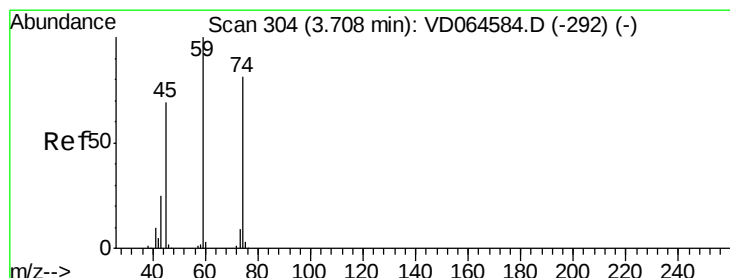
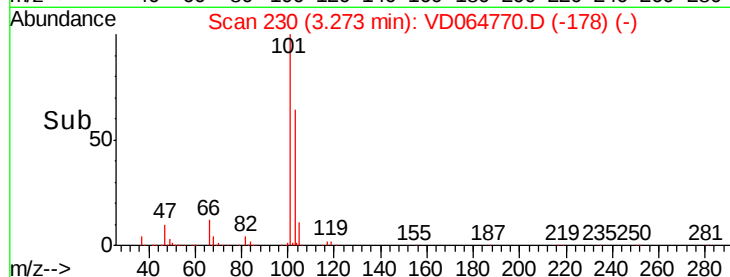
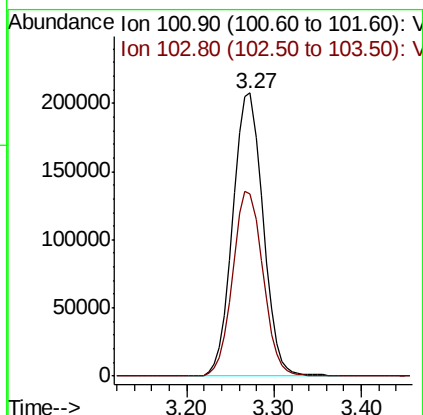
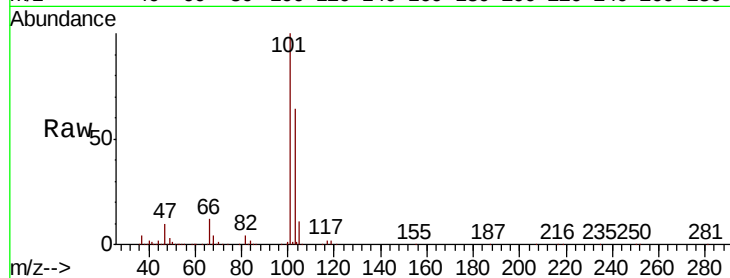


#7

Trichlorofluoromethane
Concen: 49.253 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :

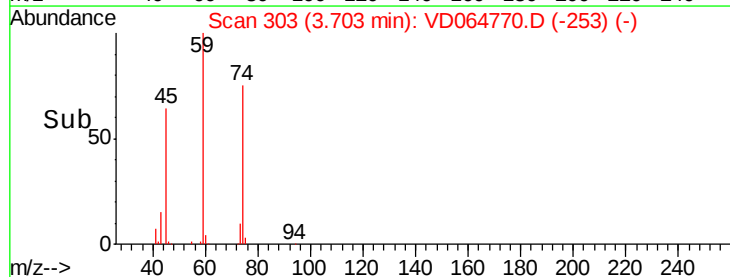
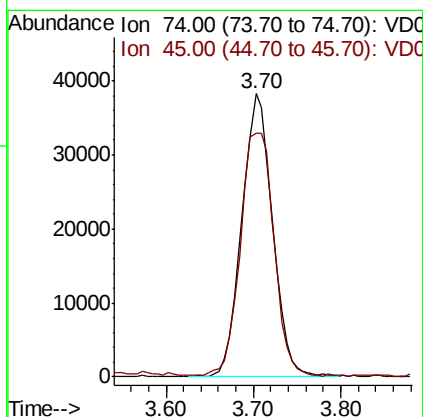
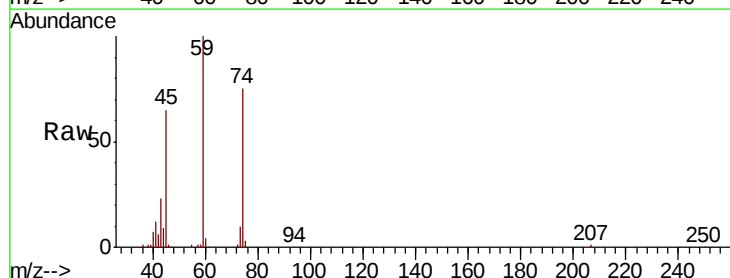
Tot Ion:101 Resp: 487728
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4



#8

Diethyl Ether
Concen: 46.160 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 74 Resp: 90770
Ion Ratio Lower Upper
74 100
45 94.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.440 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampled :

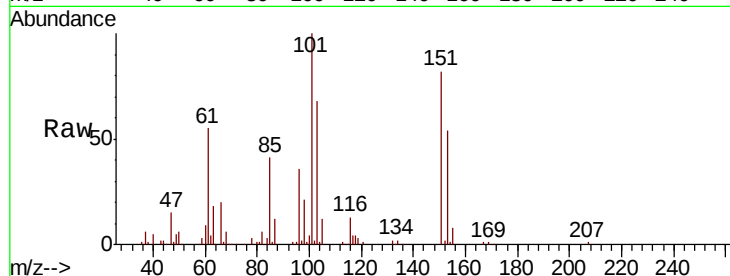
Tot Ion:101 Resp: 210958

Ion Ratio Lower Upper

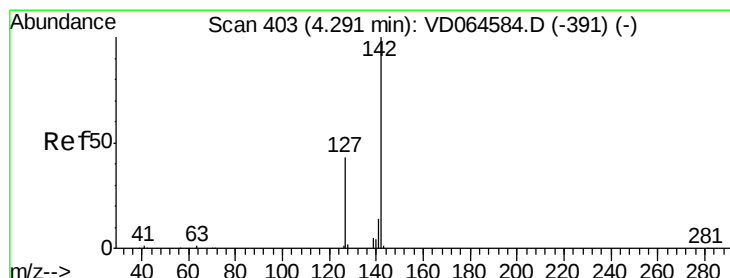
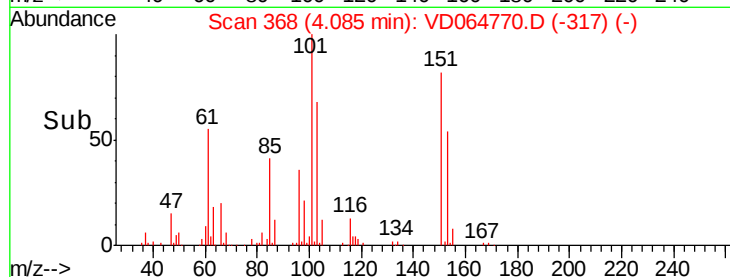
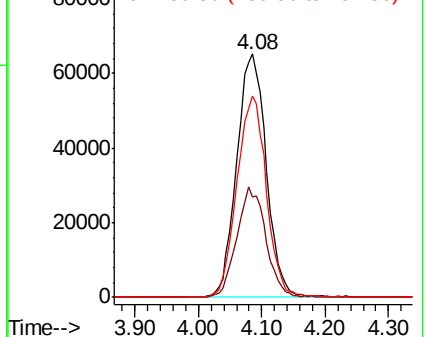
101 100

85 44.2 35.2 52.8

151 82.2 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: 53.906 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

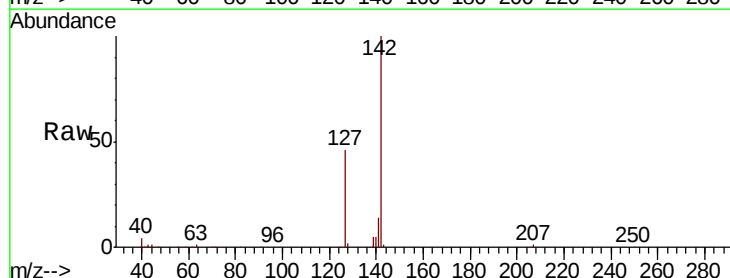
Tgt Ion:142 Resp: 237465

Ion Ratio Lower Upper

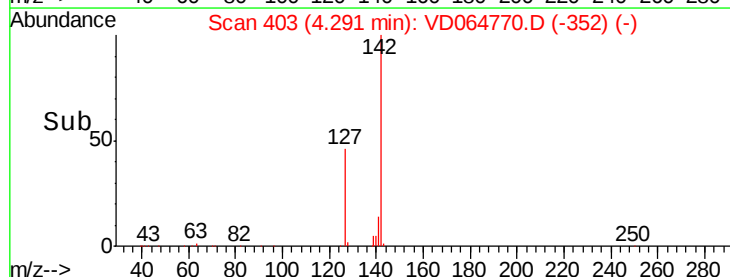
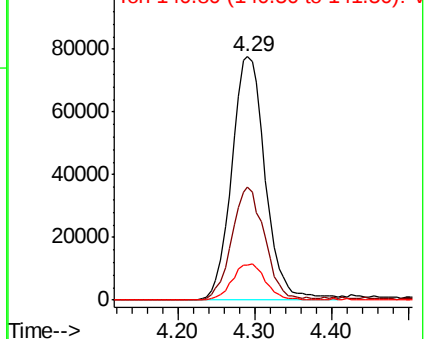
142 100

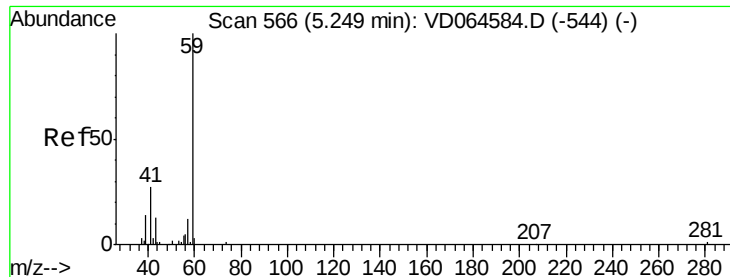
127 45.1 36.2 54.4

141 14.8 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



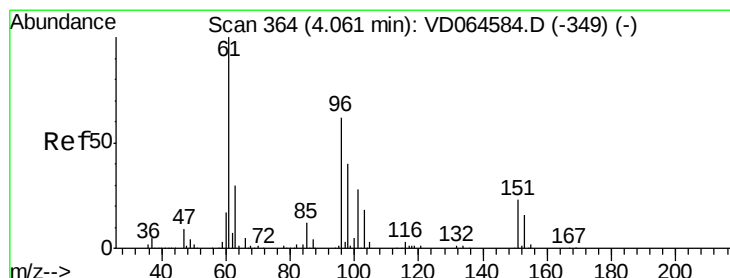
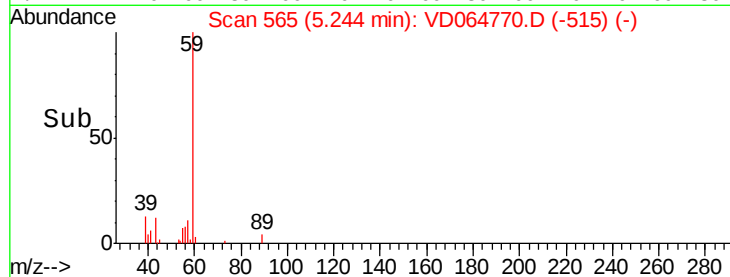
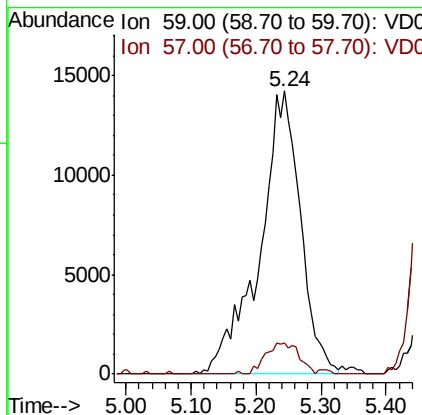
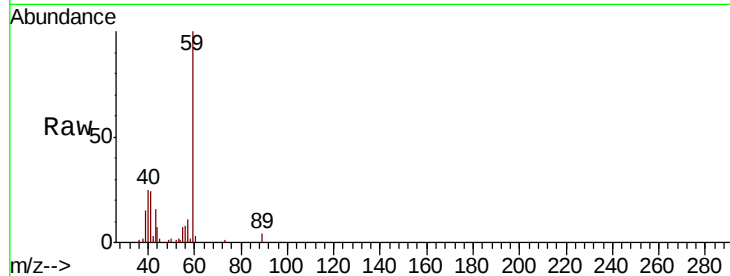


#11

Tert butyl alcohol
 Concen: 276.240 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

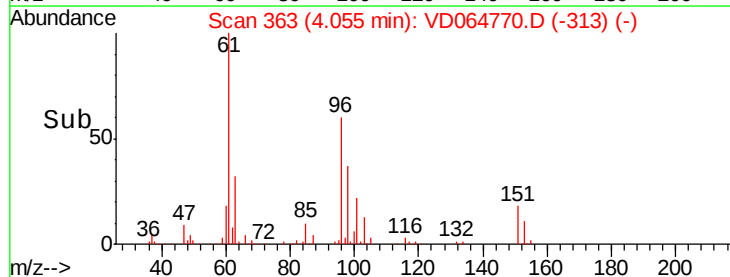
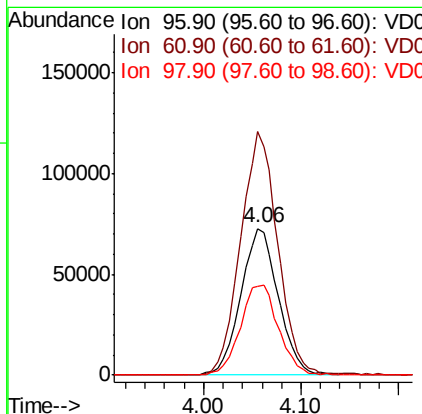
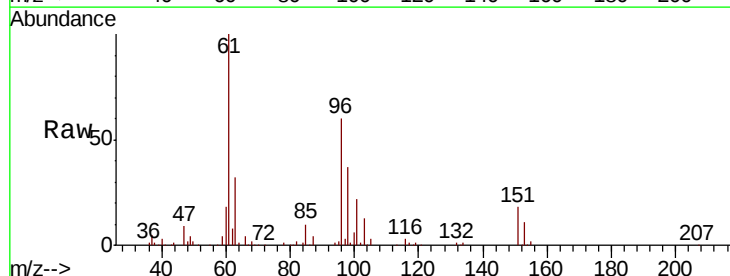
Tot Ion: 59 Resp: 61953
 Ion Ratio Lower Upper
 59 100
 57 8.8 9.3 13.9#

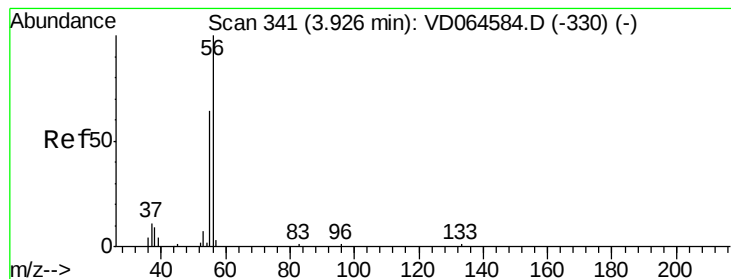


#12

1,1-Dichloroethene
 Concen: 50.037 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion: 96 Resp: 195364
 Ion Ratio Lower Upper
 96 100
 61 166.2 129.4 194.0
 98 60.7 51.4 77.0





#13

Acrolein

Concen: 246.077 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

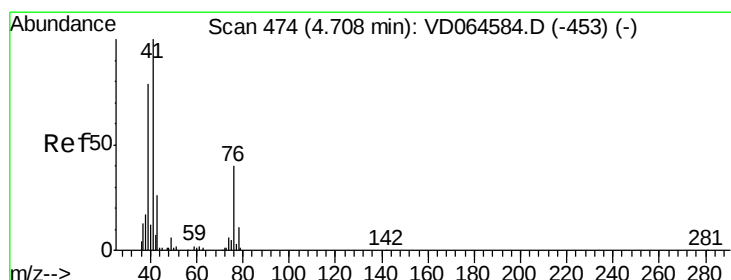
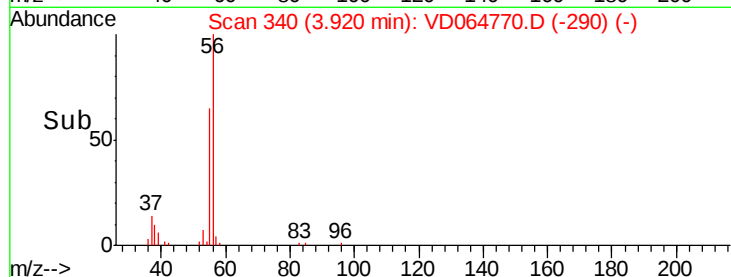
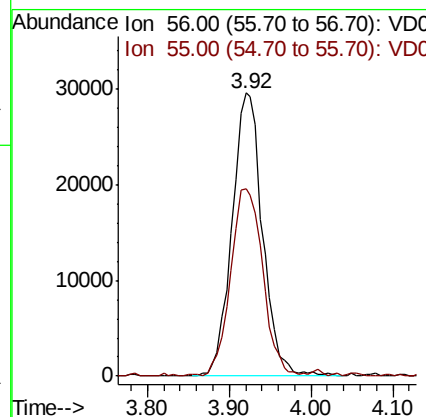
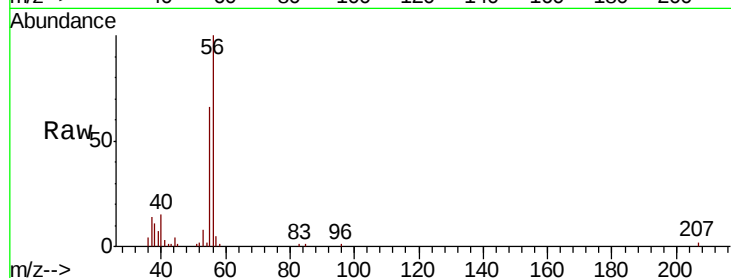
ClientSampleId :

Tot Ion: 56 Resp: 76913

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 50.271 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

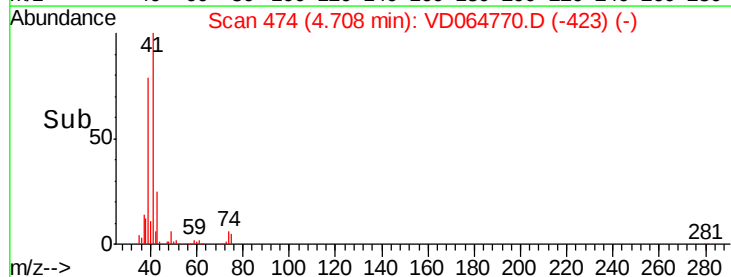
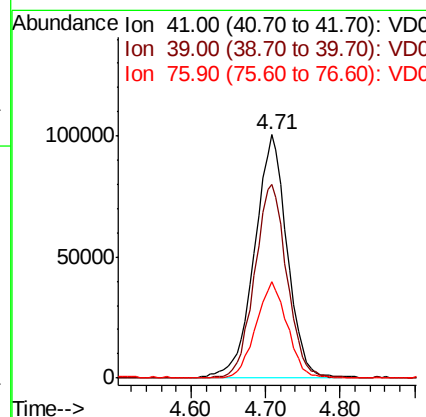
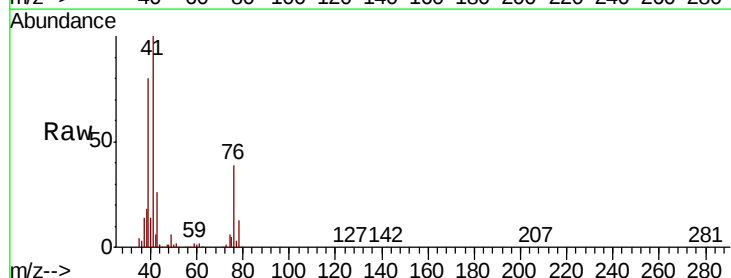
Tgt Ion: 41 Resp: 306026

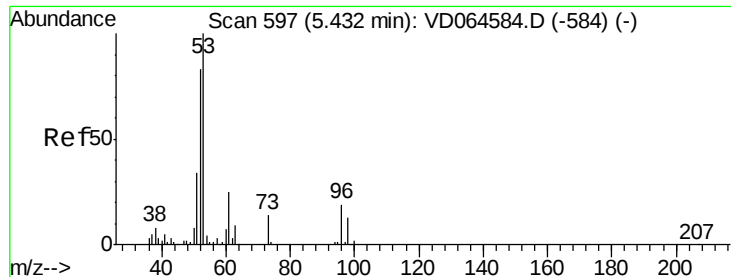
Ion Ratio Lower Upper

41 100

39 78.8 62.3 93.5

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 239.478 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

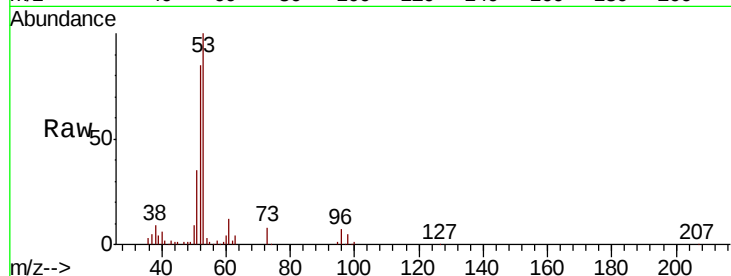
Tot Ion: 53 Resp: 196152

Ion Ratio Lower Upper

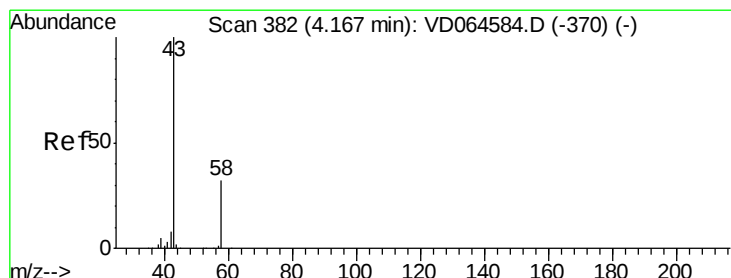
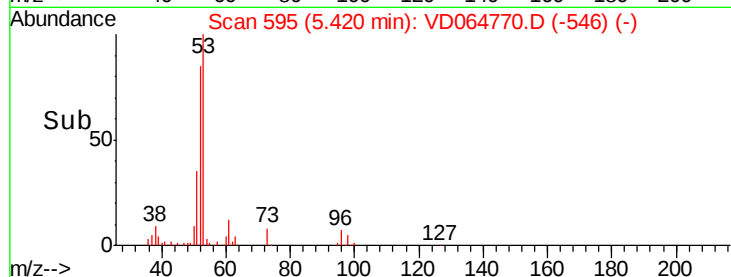
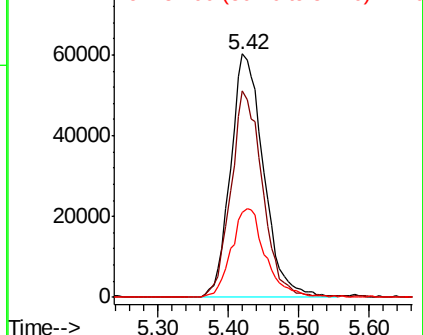
53 100

52 80.6 66.2 99.2

51 37.5 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: 292.516 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064770.D

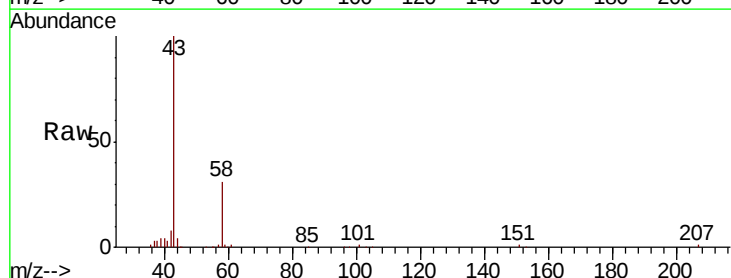
Acq: 06 Jan 2020 13:37

Tgt Ion: 43 Resp: 236561

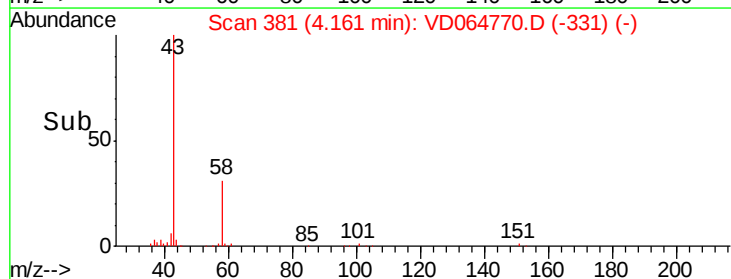
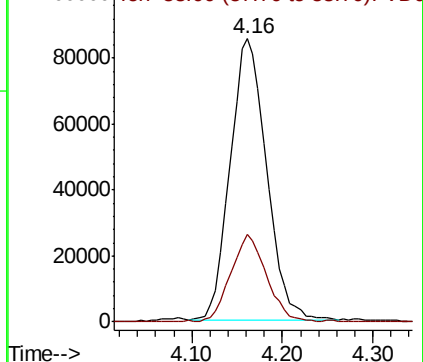
Ion Ratio Lower Upper

43 100

58 30.7 25.8 38.6



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

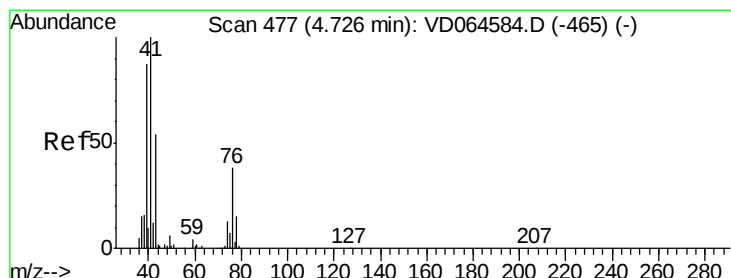
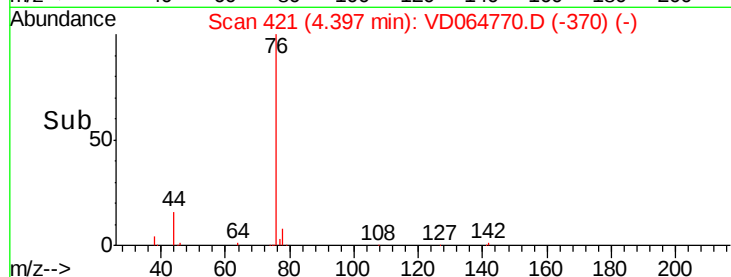
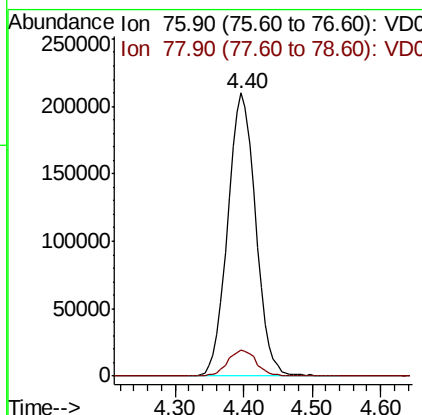
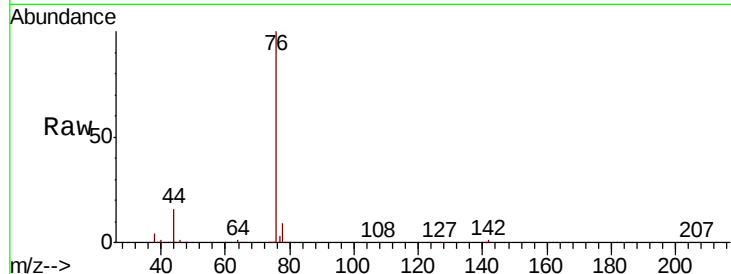




#17
Carbon Disulfide
Concen: 46.971 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

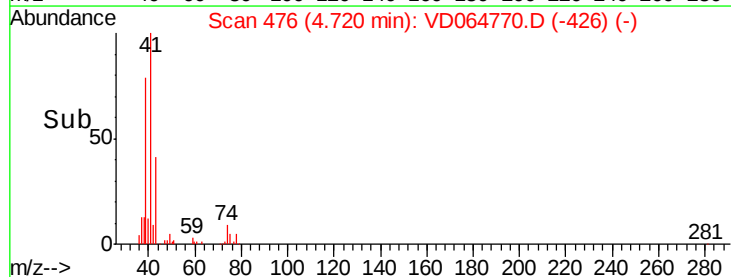
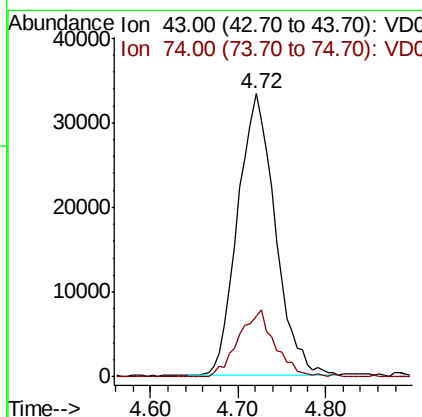
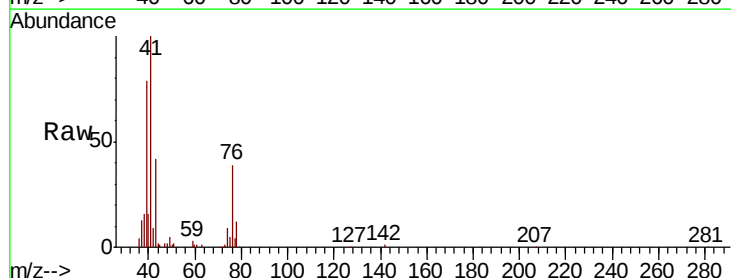
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 592993
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 44.132 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 43 Resp: 97228
Ion Ratio Lower Upper
43 100
74 23.2 19.2 28.8

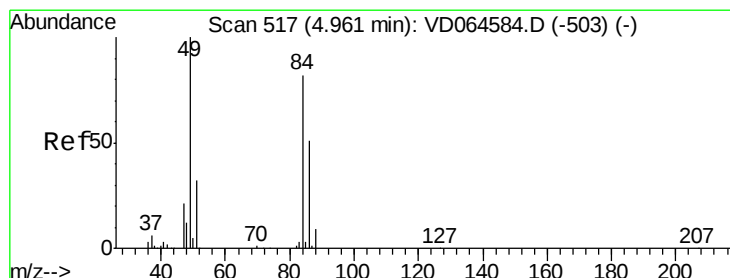
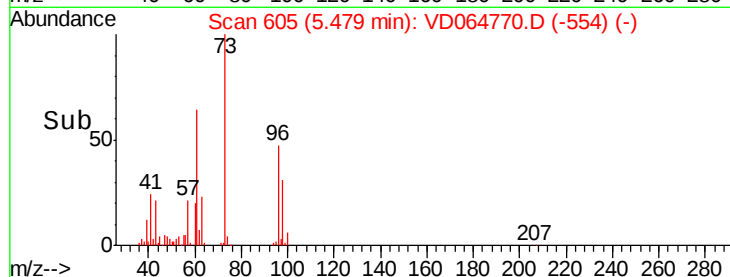
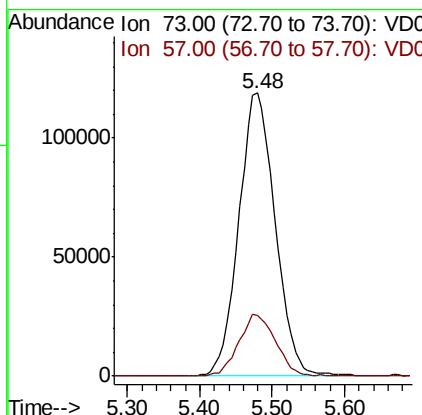
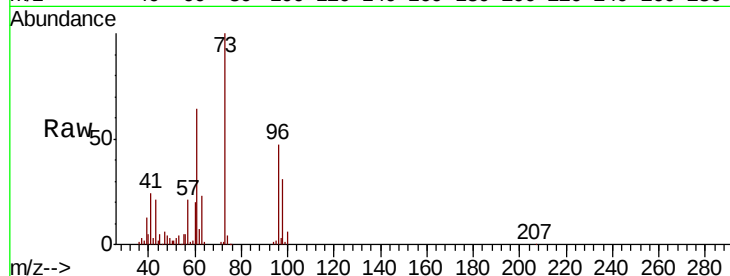




#19
Methvl tert-butvl Ether
Concen: 47.701 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

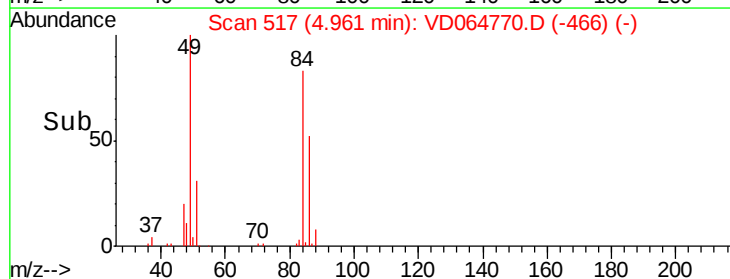
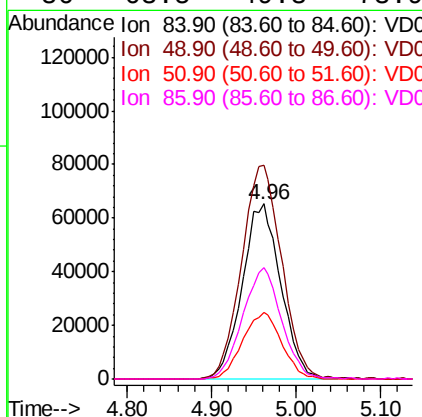
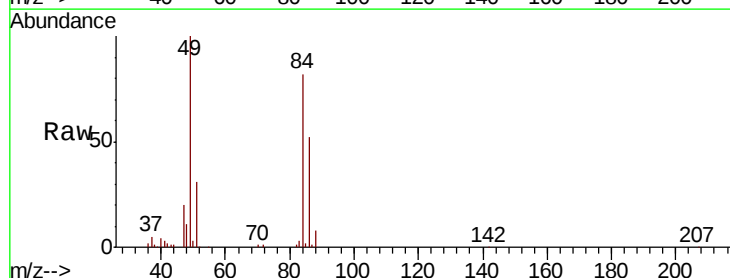
Instrument :
MSVOA_D
ClientSampleId :

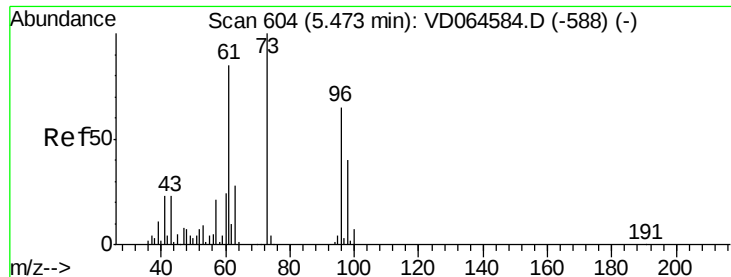
Tot Ion: 73 Resp: 413676
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8



#20
Methylene Chloride
Concen: 51.920 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 84 Resp: 207044
Ion Ratio Lower Upper
84 100
49 122.0 97.2 145.8
51 37.8 31.4 47.0
86 63.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.794 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampled :

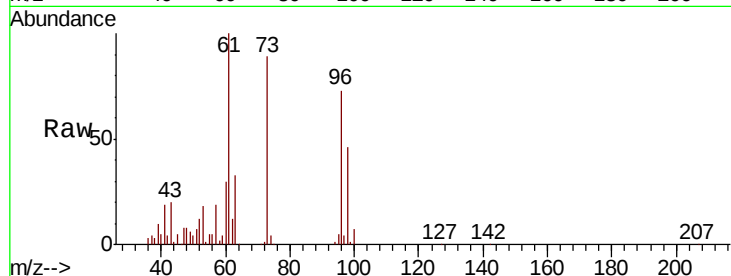
Tot Ion: 96 Resp: 221411

Ion Ratio Lower Upper

96 100

61 137.1 104.7 157.1

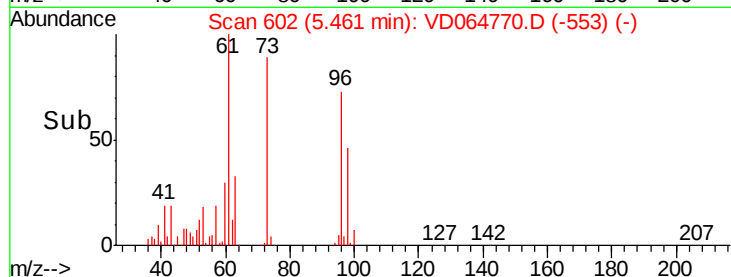
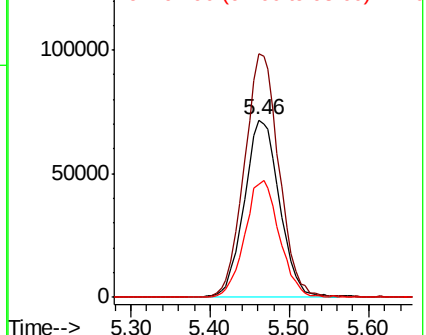
98 63.5 49.4 74.2



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: 49.660 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Tgt Ion: 45 Resp: 602972

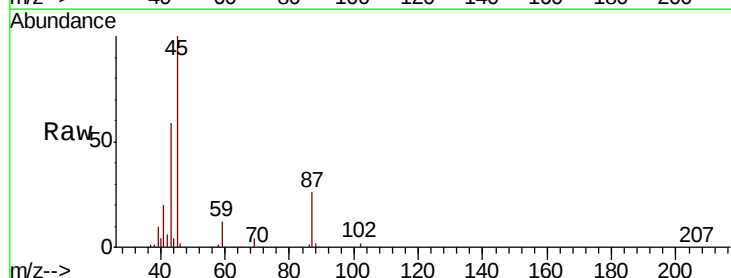
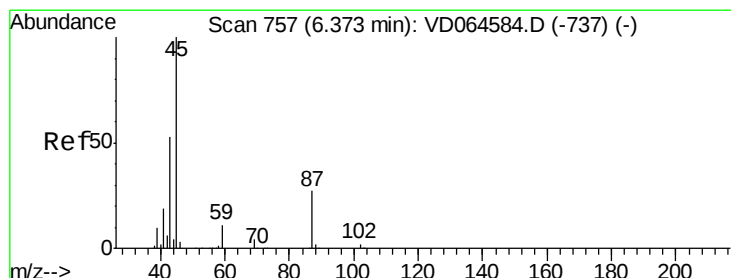
Ion Ratio Lower Upper

45 100

43 57.8 43.2 64.8

87 25.8 21.9 32.9

59 11.3 9.0 13.4

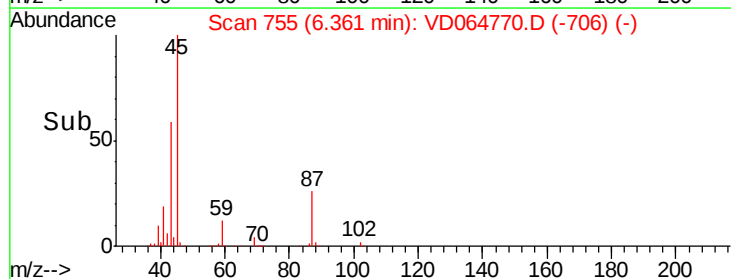
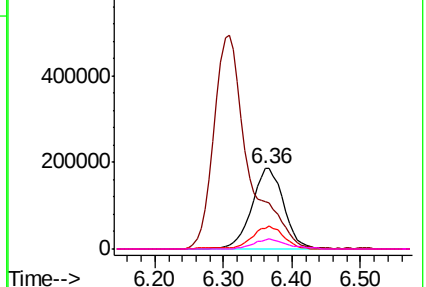


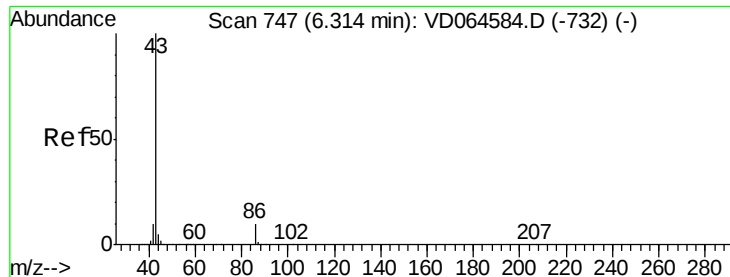
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 249.127 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

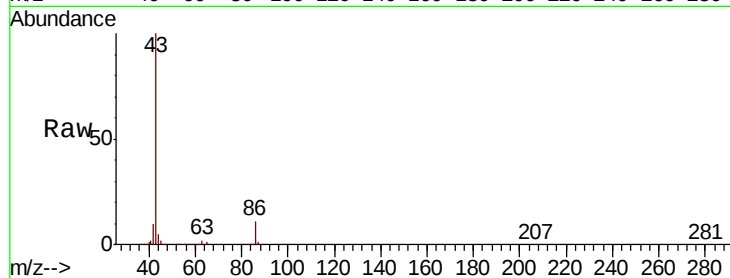
ClientSampled :

Tot Ion: 43 Resp: 1715903

Ion Ratio Lower Upper

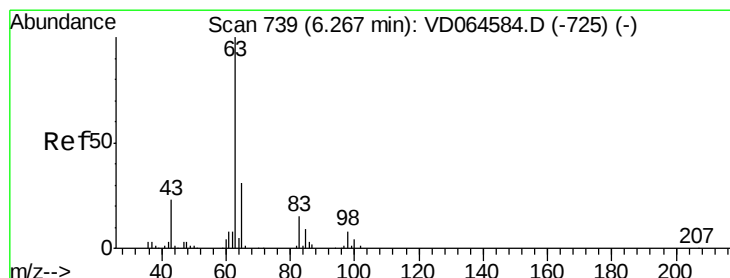
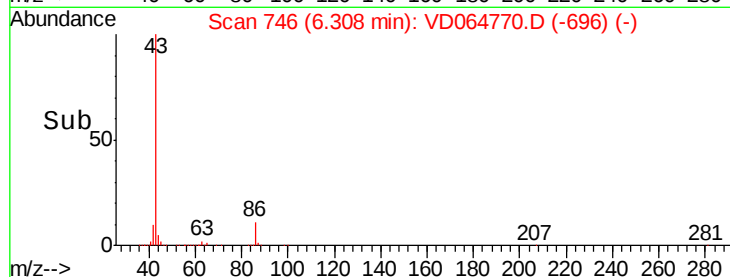
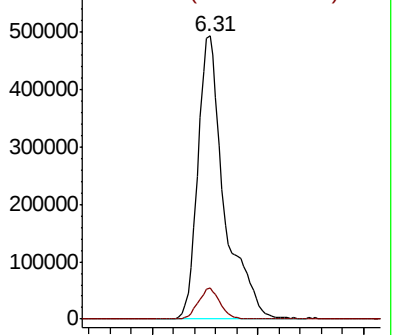
43 100

86 11.0 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: 50.816 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

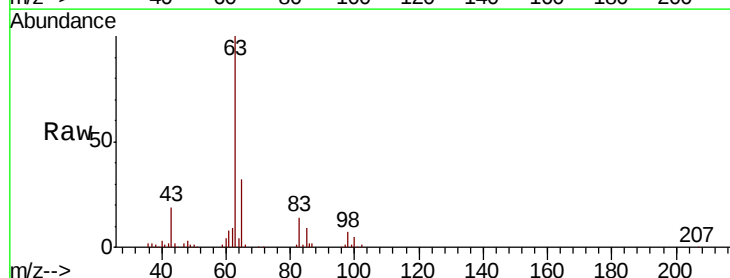
Tgt Ion: 63 Resp: 370408

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

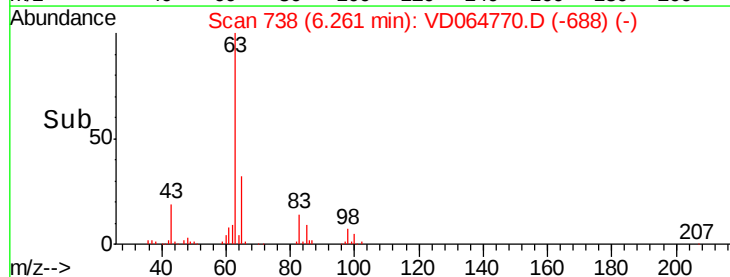
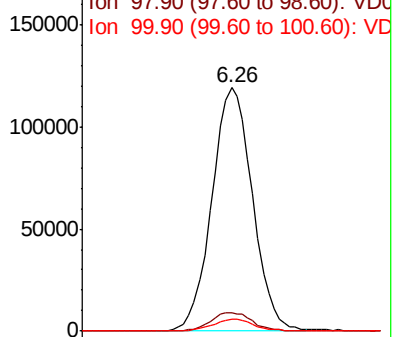
100 4.8 2.2 6.6

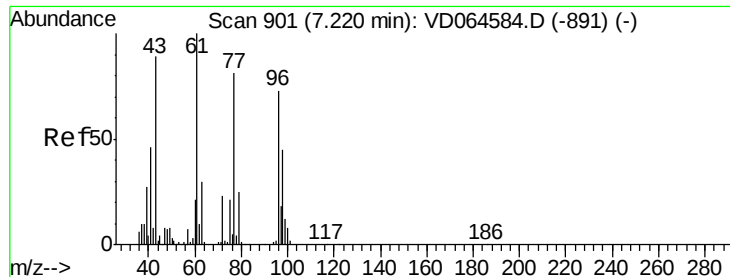


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 250.989 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

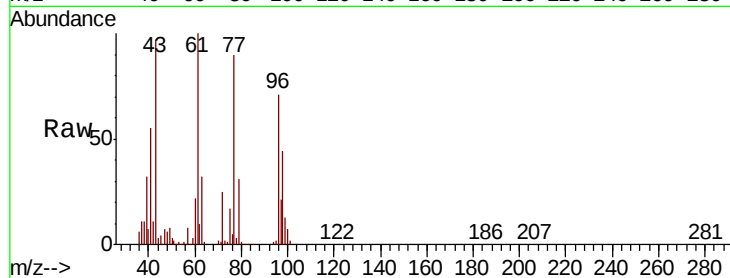
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 269981

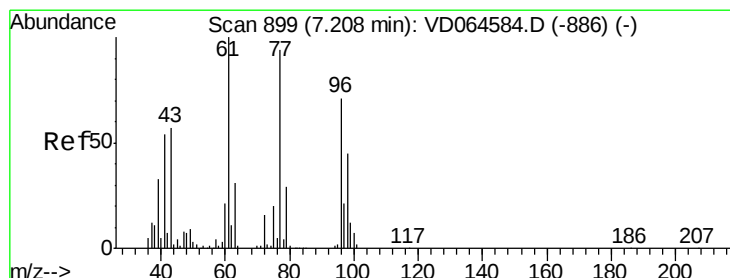
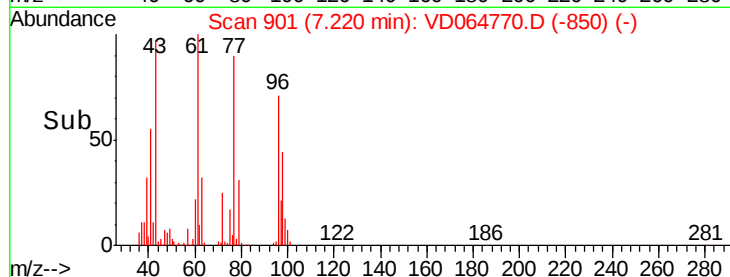
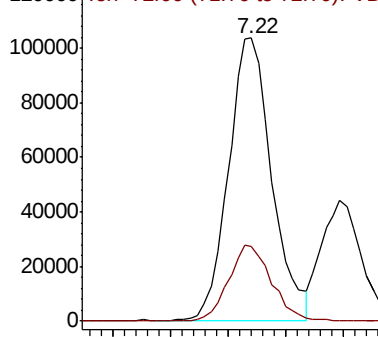
Ion Ratio Lower Upper

43 100

72 26.4 20.7 31.1



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



#26

2,2-Dichloropropane

Concen: 51.794 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064770.D

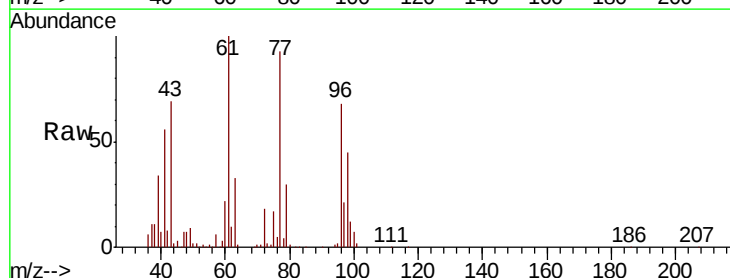
Acq: 06 Jan 2020 13:37

Tgt Ion: 77 Resp: 351016

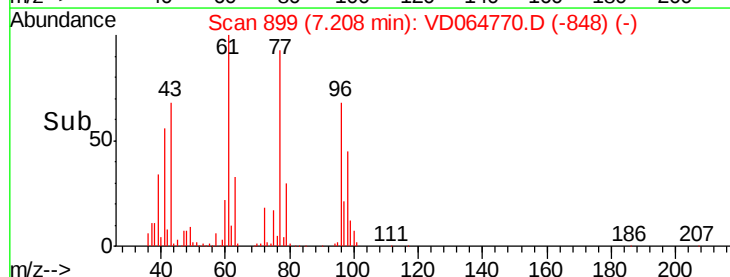
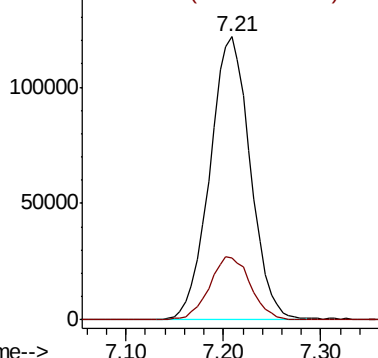
Ion Ratio Lower Upper

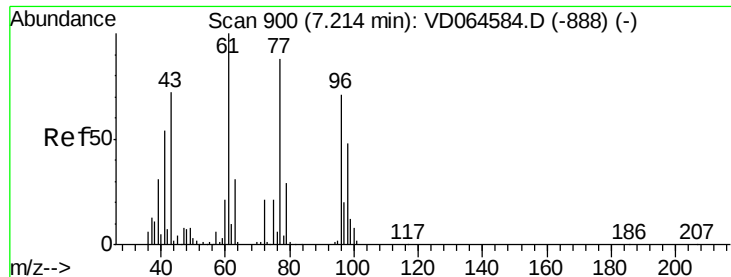
77 100

97 22.7 11.2 33.6



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



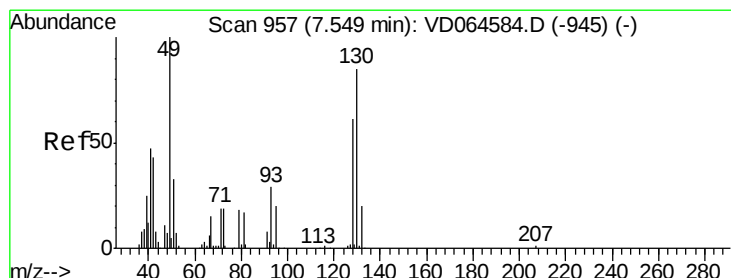
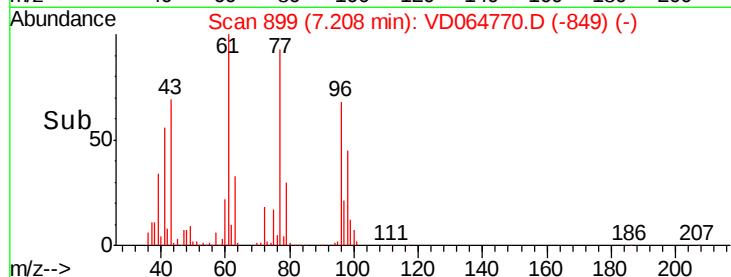
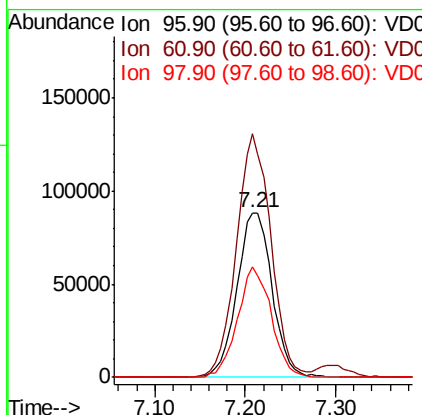
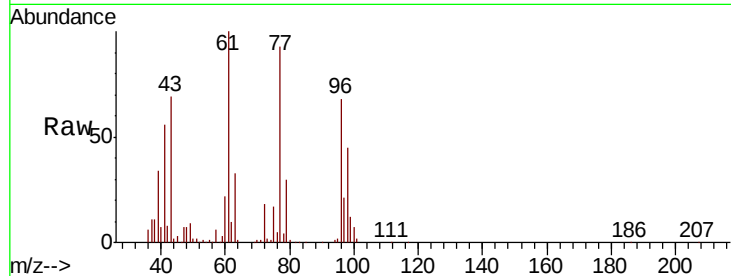


#27

cis-1,2-Dichloroethene
 Concen: 49.525 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

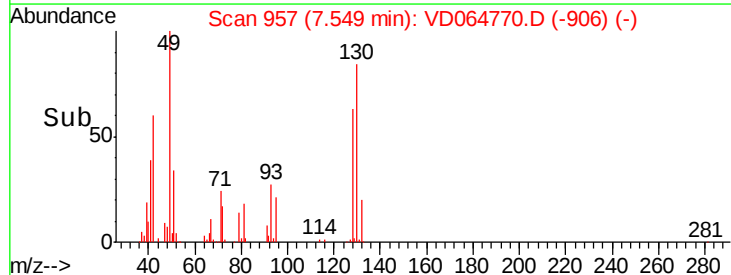
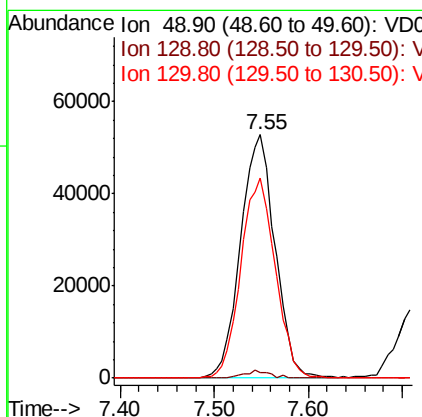
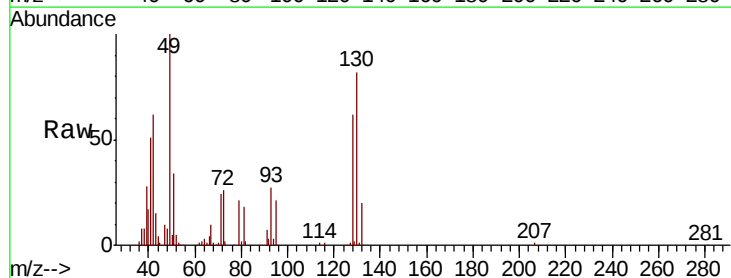
Tot Ion	96	Resp	237661
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	282.6
98	64.3	0.0	130.8

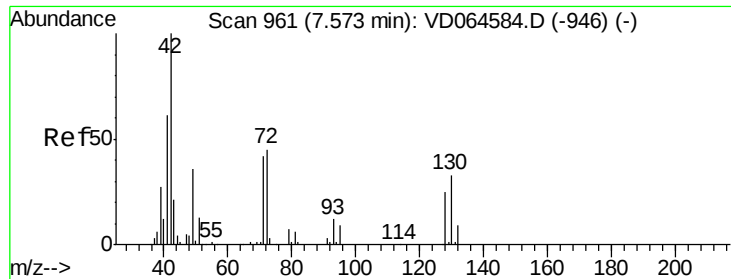


#28

Bromochloromethane
 Concen: 47.371 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion	49	Resp	134226
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	82.0	65.0	97.6

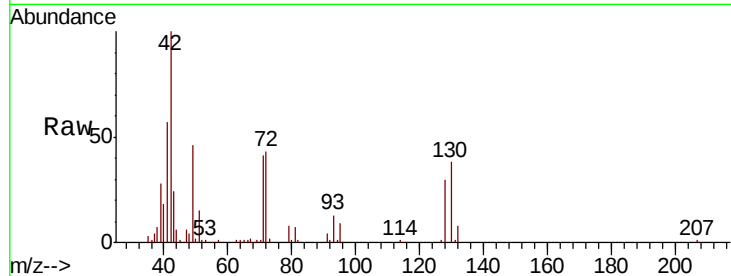




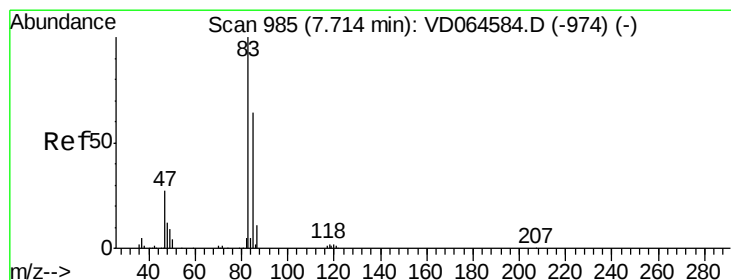
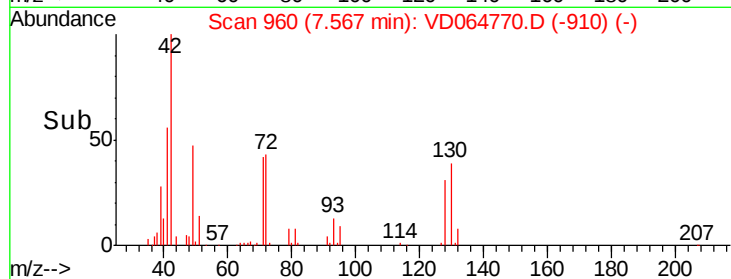
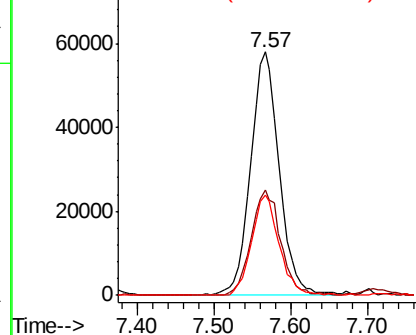
#29
Tetrahydrofuran
Concen: 226.685 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 151637
Ion Ratio Lower Upper
42 100
72 44.2 35.0 52.4
71 39.6 32.9 49.3

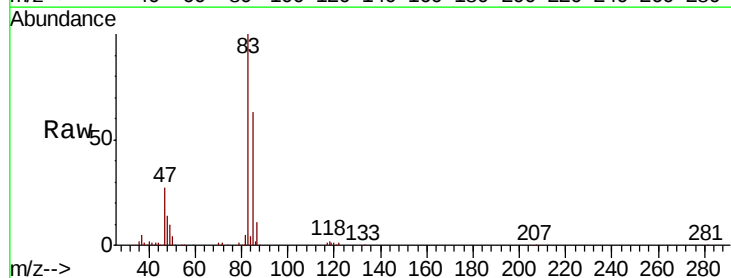


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

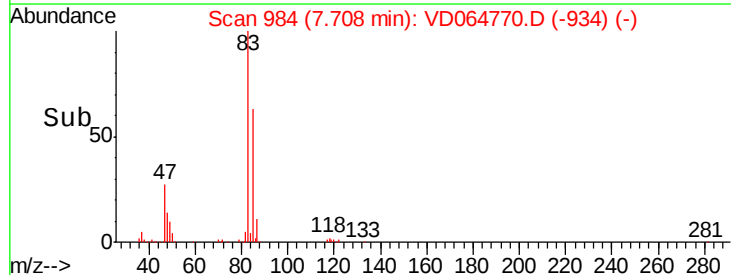
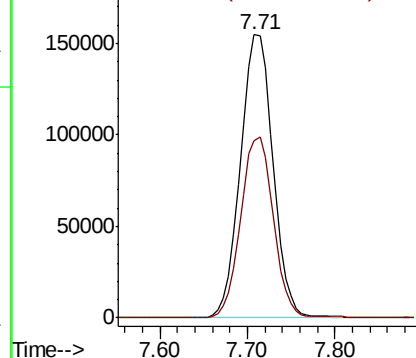


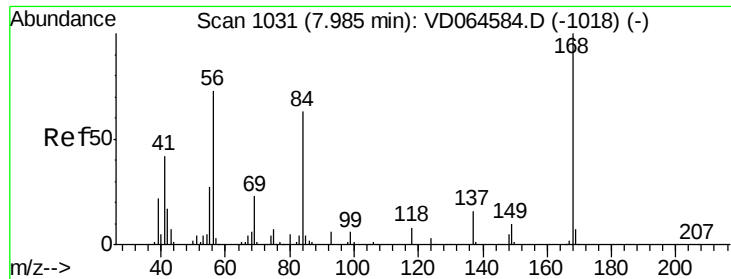
#30
Chloroform
Concen: 50.973 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 83 Resp: 389819
Ion Ratio Lower Upper
83 100
85 62.6 51.1 76.7



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

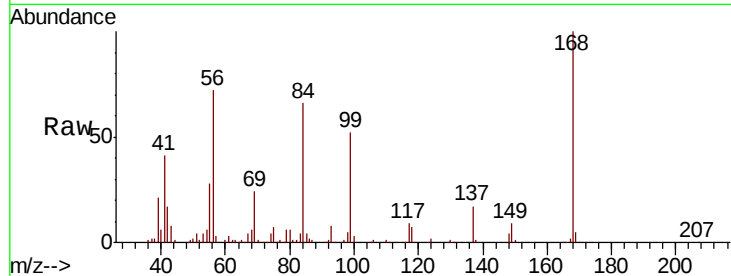




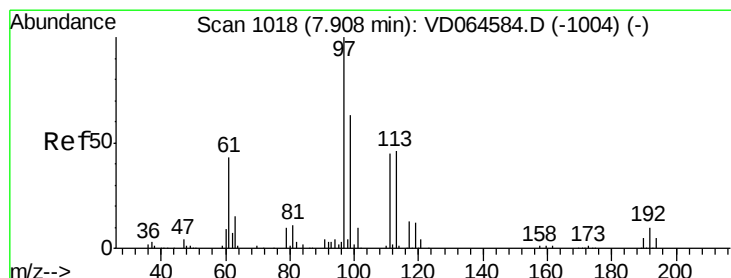
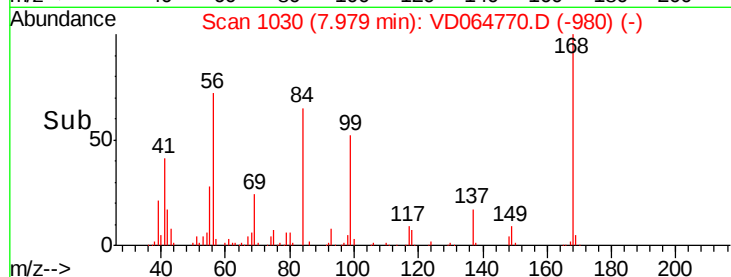
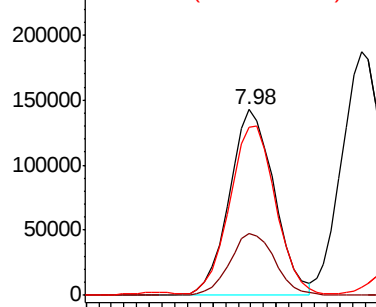
#31
Cyclohexane
Concen: 48.319 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 352558
Ion Ratio Lower Upper
56 100
69 33.3 24.7 37.1
84 89.1 69.4 104.2

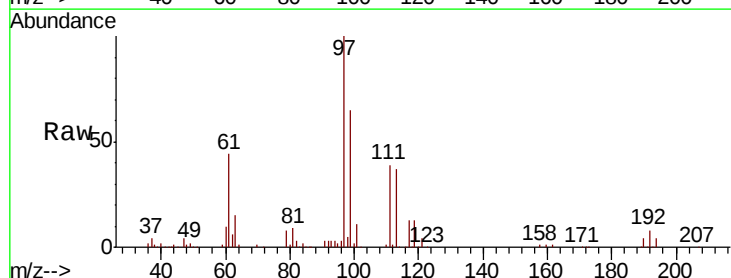


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

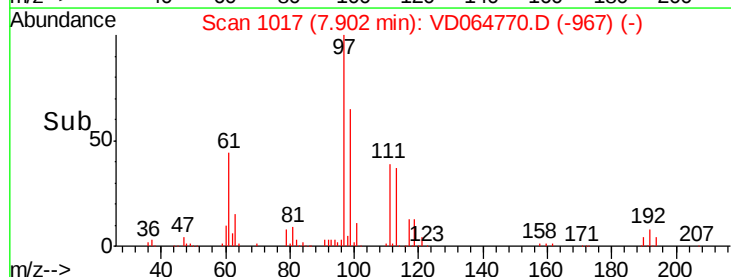
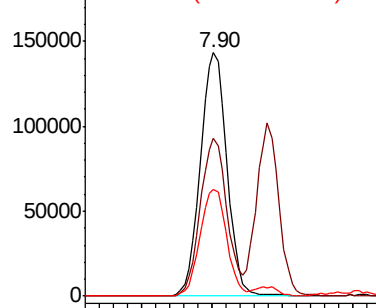


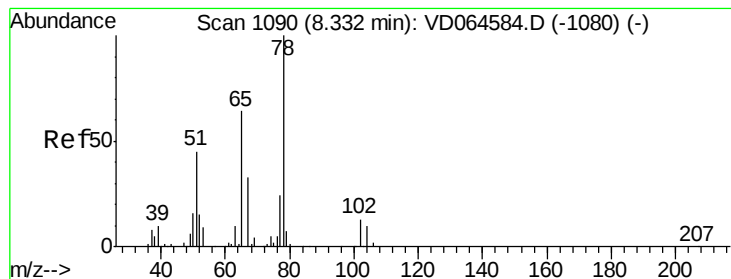
#32
1,1,1-Trichloroethane
Concen: 52.050 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 97 Resp: 373883
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.6
61 44.0 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: 47.391 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

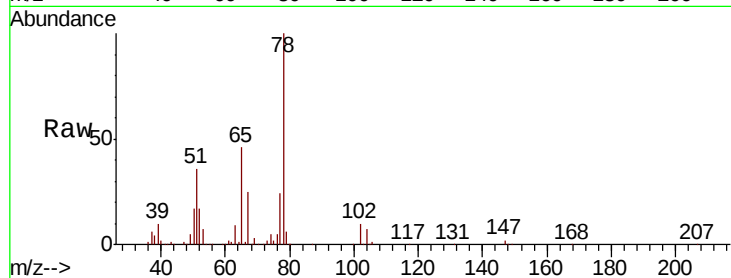
ClientSampleId :

Tot Ion: 65 Resp: 185456

Ion Ratio Lower Upper

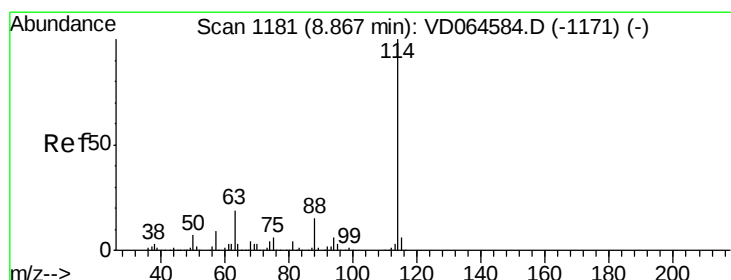
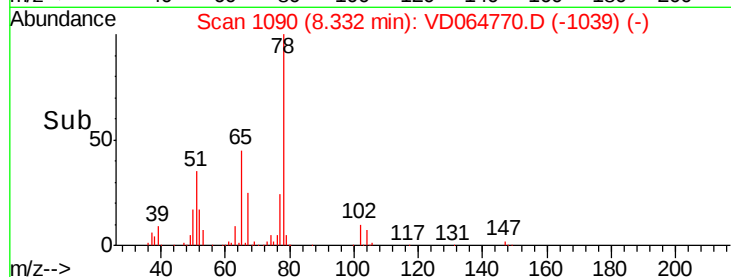
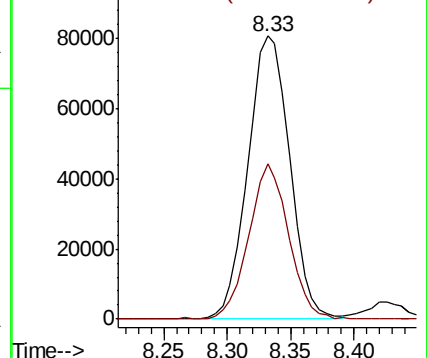
65 100

67 52.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

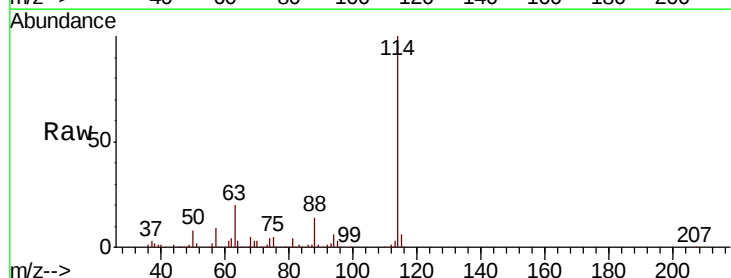
Tgt Ion: 114 Resp: 619129

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

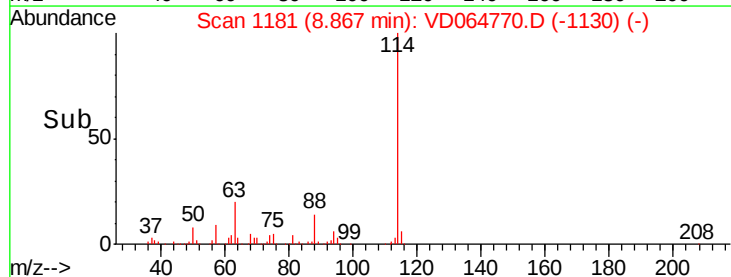
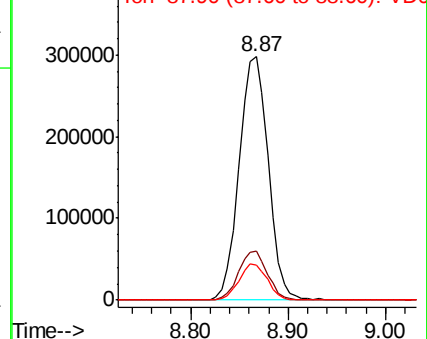
88 14.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

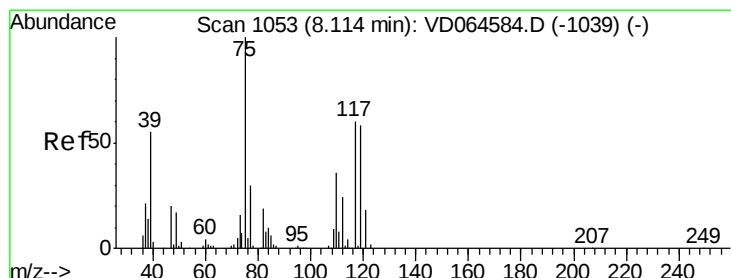
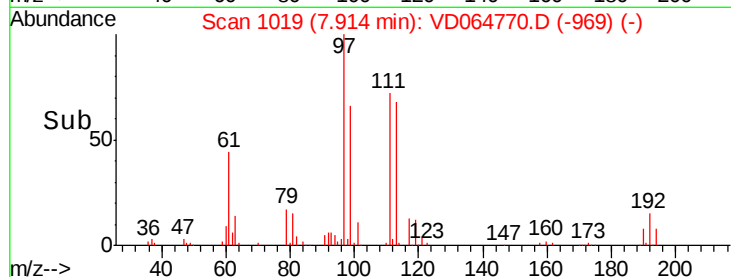
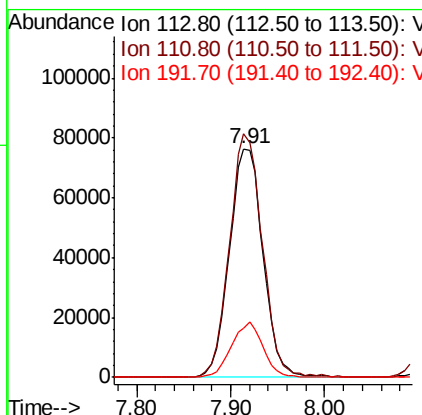
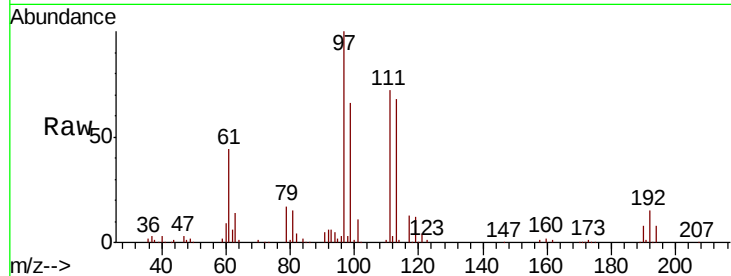




#35
 Dibromofluoromethane
 Concen: 49.787 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

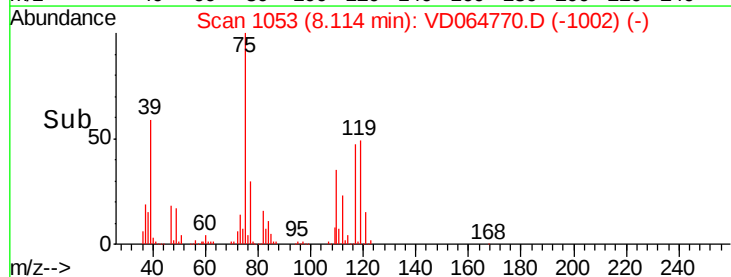
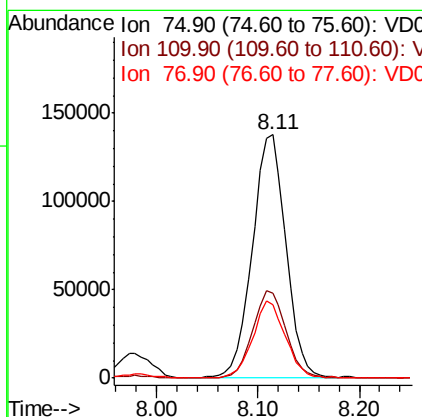
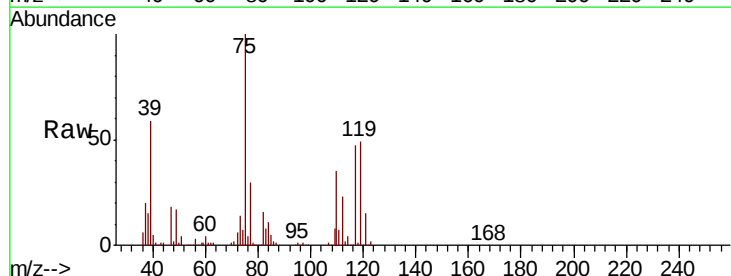
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.6	121.0
192	22.7	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 53.016 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.1	54.1
77	31.1	24.2	36.4

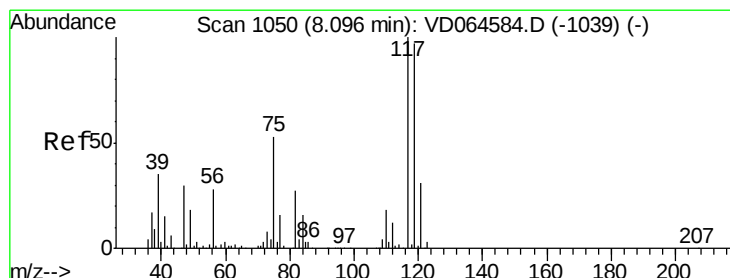
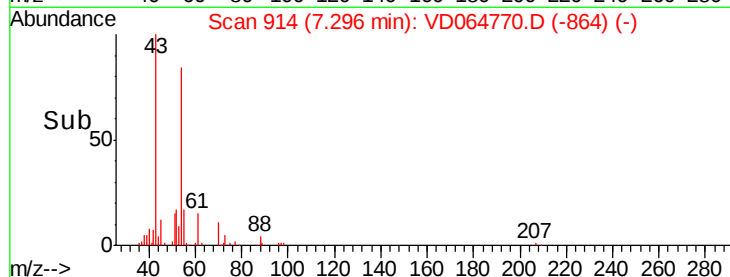
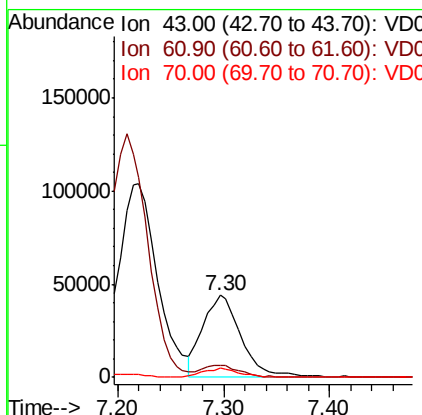
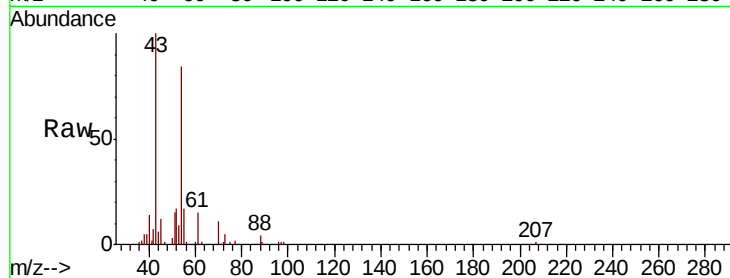




#37
Ethyl Acetate
Concen: 46.658 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

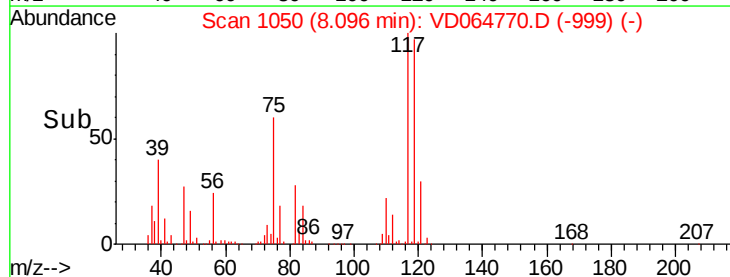
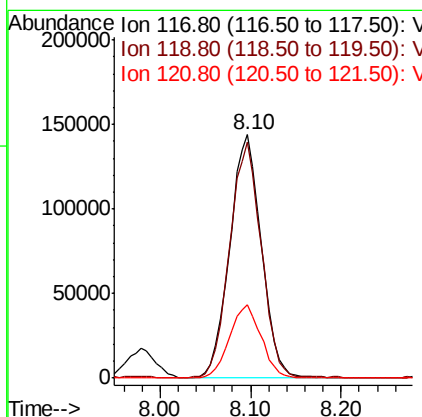
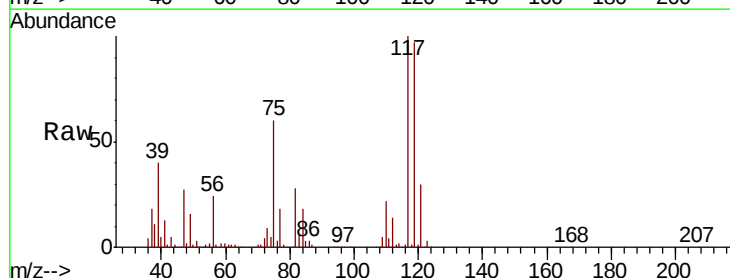
Instrument :
MSVOA_D
ClientSampleId :

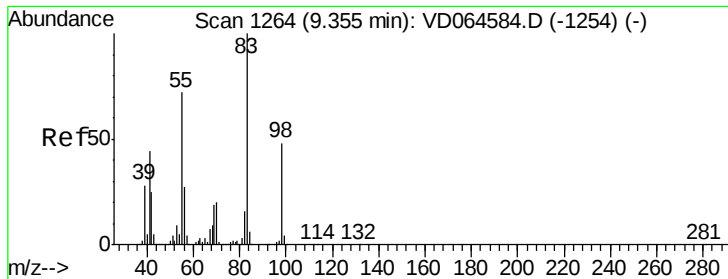
Tot Ion: 43 Resp: 109229
Ion Ratio Lower Upper
43 100
61 13.0 10.3 15.5
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 54.958 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 117 Resp: 349211
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
121 30.1 25.0 37.6

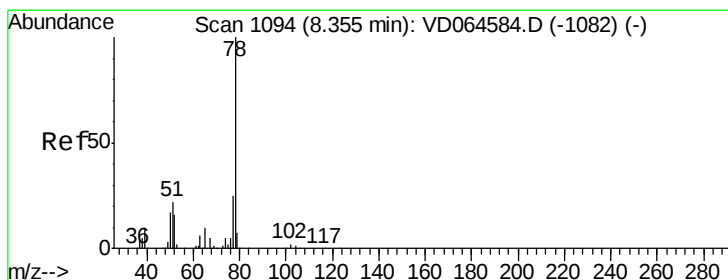
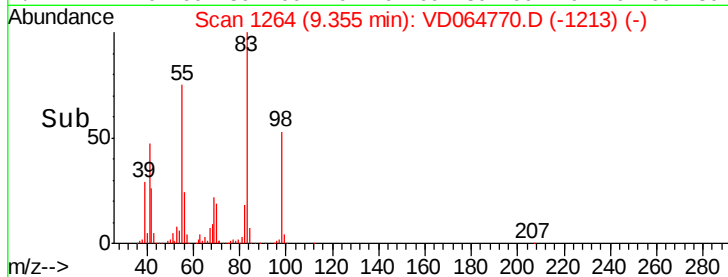
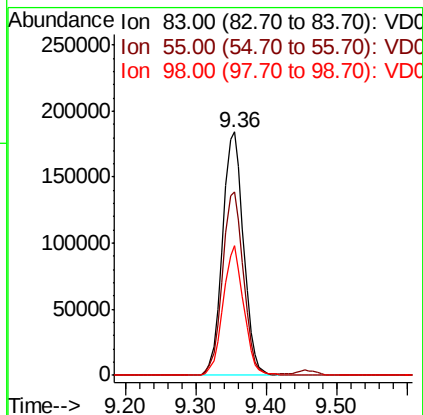
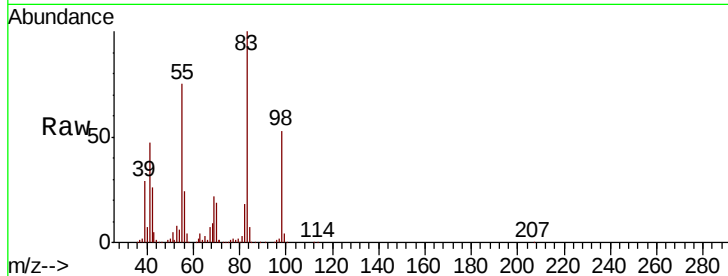




#39
Methvlcvclohexane
Concen: 53.119 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

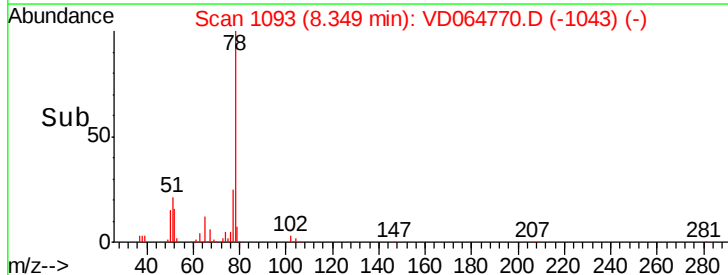
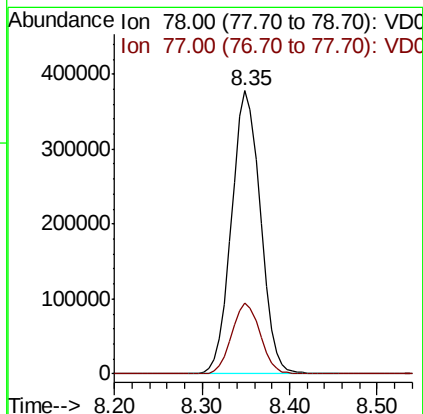
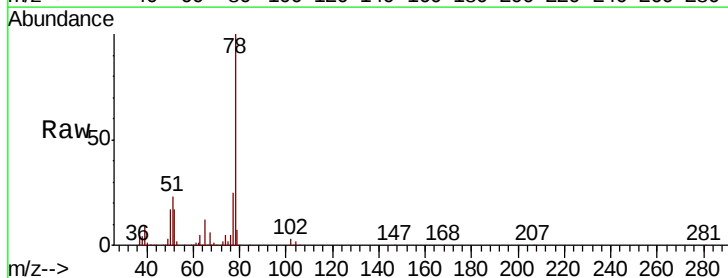
Instrument :
MSVOA_D
ClientSampleId :

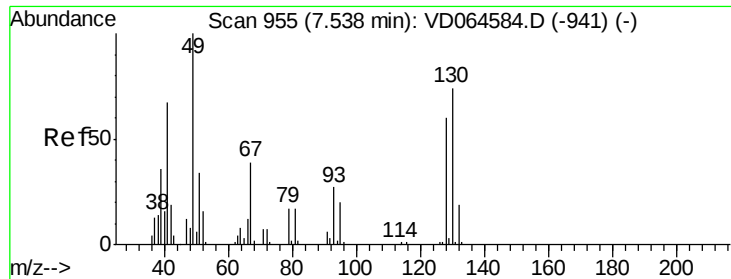
Tot Ion: 83 Resp: 383387
Ion Ratio Lower Upper
83 100
55 75.3 57.8 86.6
98 53.3 38.7 58.1



#40
Benzene
Concen: 51.999 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 78 Resp: 845902
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

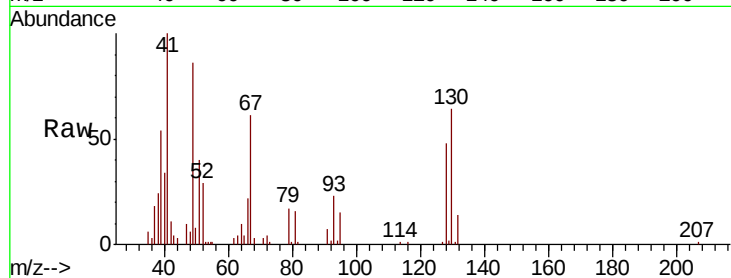




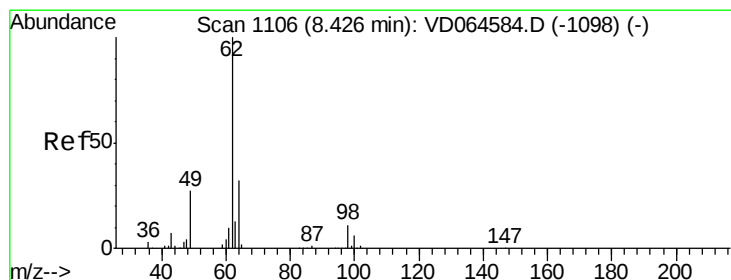
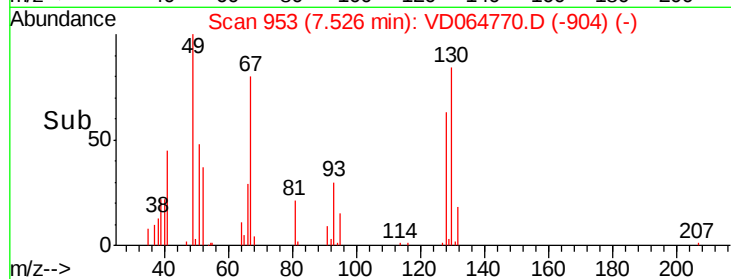
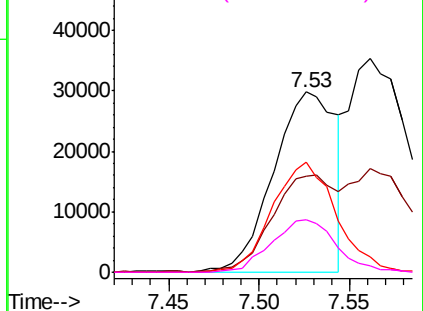
#41
Methacrylonitrile
Concen: 52.852 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 71787
Ion Ratio Lower Upper
41 100
39 55.0 46.7 70.1
67 62.5 52.5 78.7
52 30.3 24.1 36.1

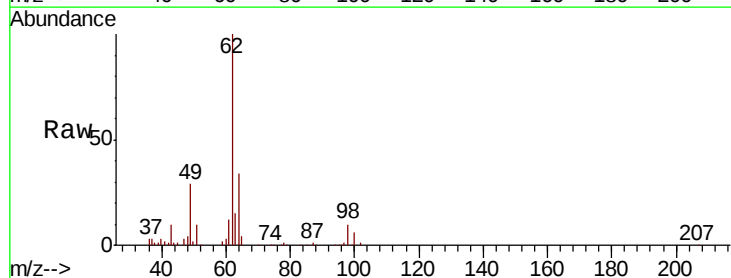


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

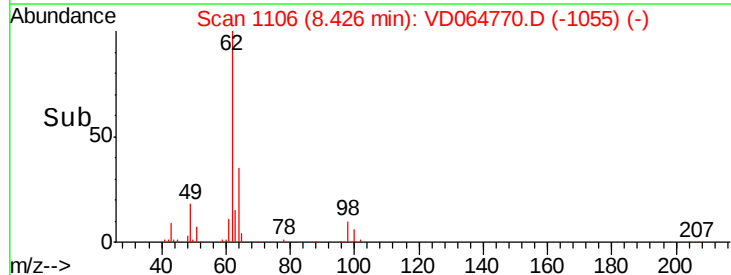
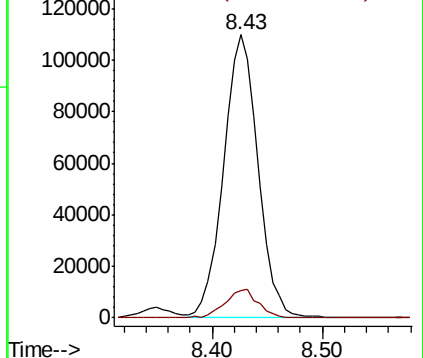


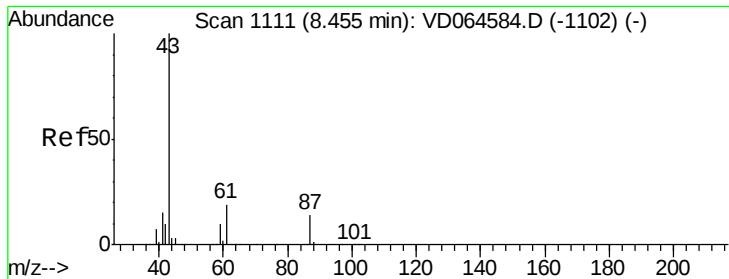
#42
1,2-Dichloroethane
Concen: 50.621 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 62 Resp: 237966
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.0



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



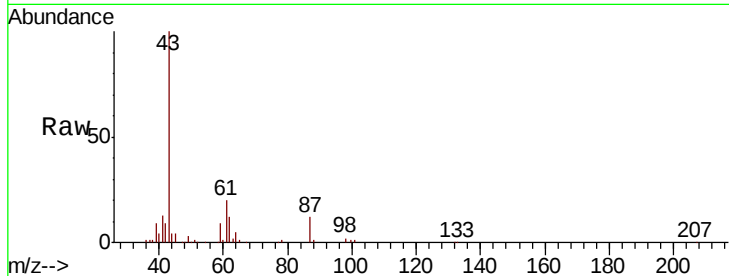


#43

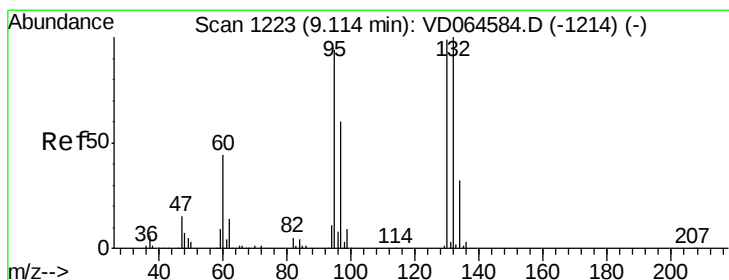
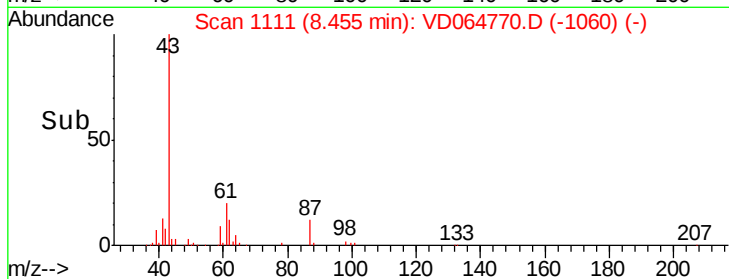
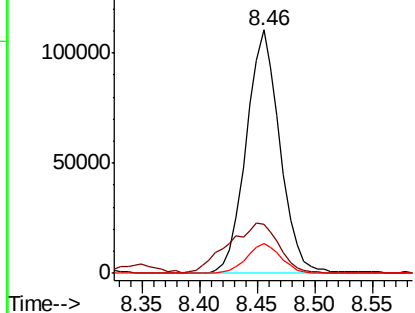
Isopropyl Acetate
 Concen: 48.068 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	223978
Ion Ratio	Lower	Upper	
43	100		
61	31.0	23.7	35.5
87	12.3	10.5	15.7



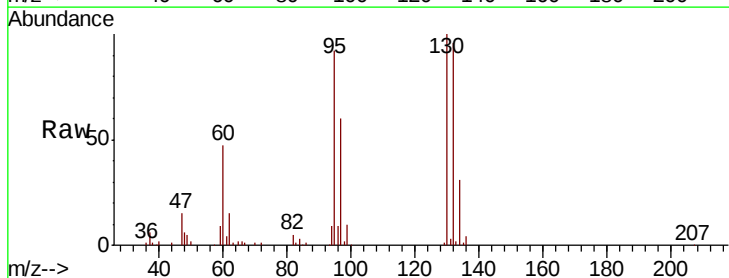
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



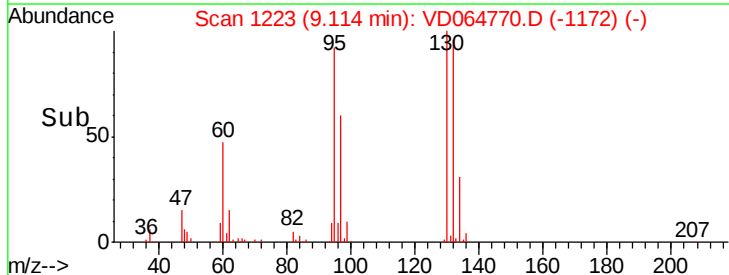
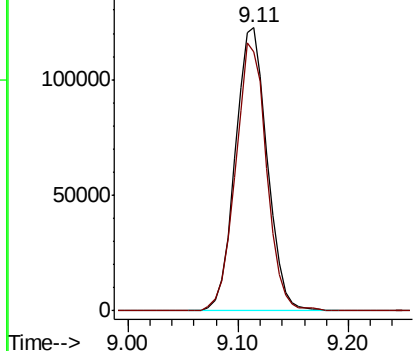
#44

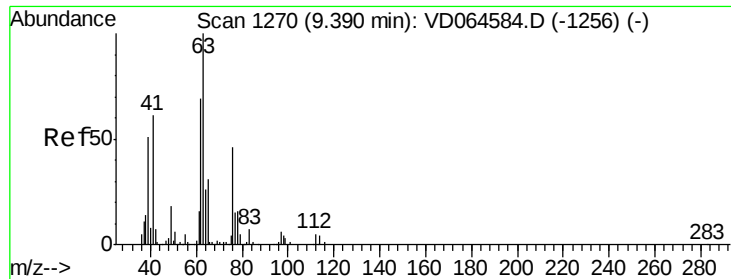
Trichloroethene
 Concen: 52.126 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion	130	Resp	249107
Ion Ratio	Lower	Upper	
130	100		
95	91.6	0.0	190.2



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

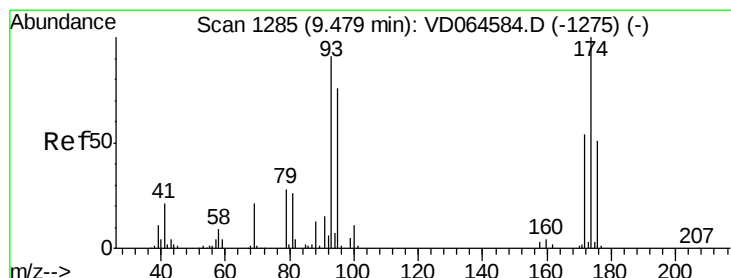
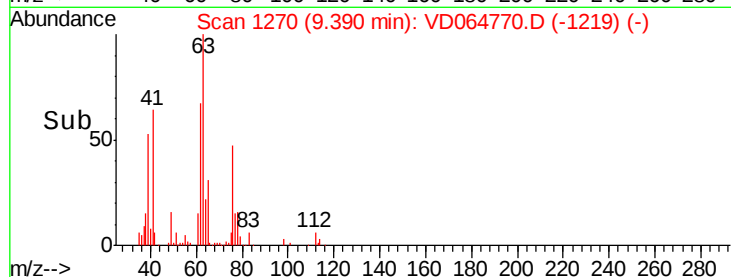
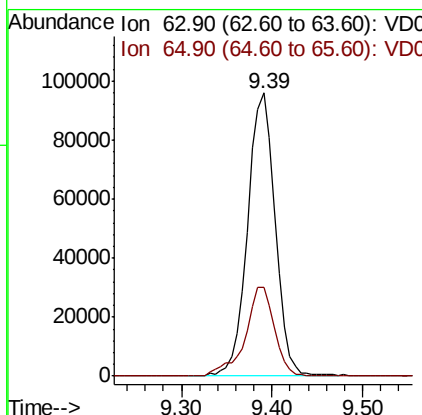
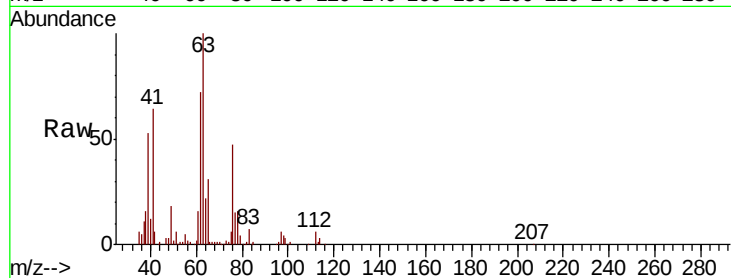




#45
 1,2-Dichloropropane
 Concen: 52.193 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

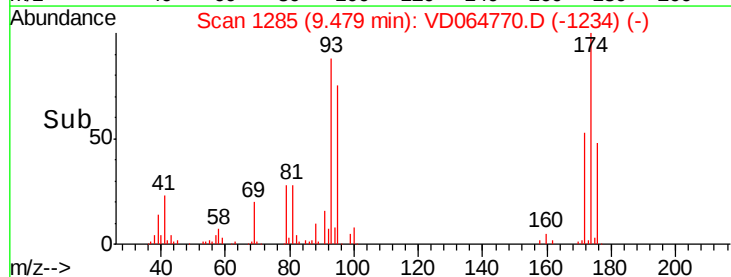
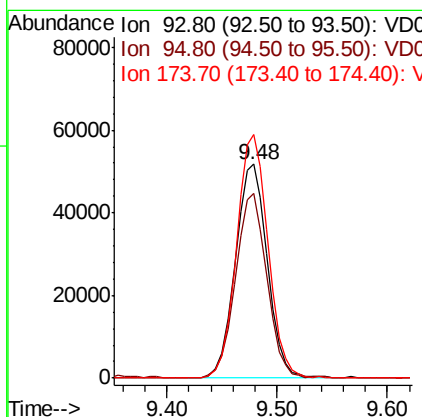
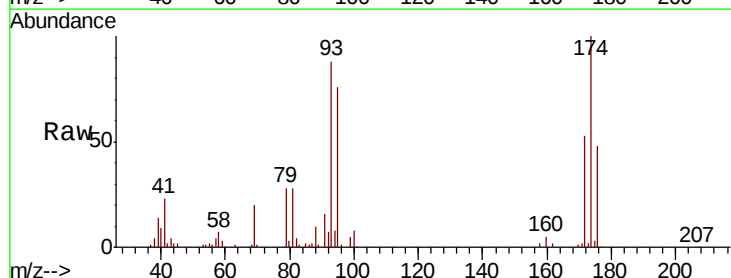
Instrument :
 MSVOA_D
 ClientSampled :

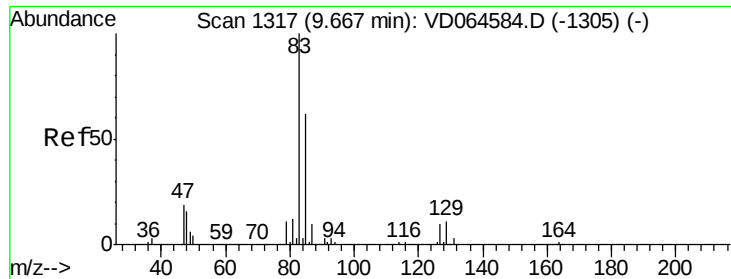
Tot Ion: 63 Resp: 202722
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.2 37.8



#46
 Dibromomethane
 Concen: 48.652 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion: 93 Resp: 105357
 Ion Ratio Lower Upper
 93 100
 95 84.4 64.6 97.0
 174 111.7 88.1 132.1





#47

Bromodichloromethane

Concen: 51.270 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

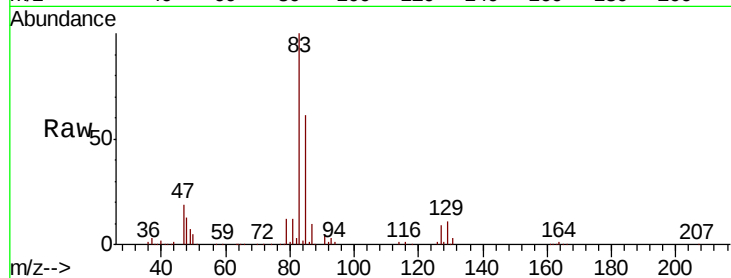
Tot Ion: 83 Resp: 295439

Ion Ratio Lower Upper

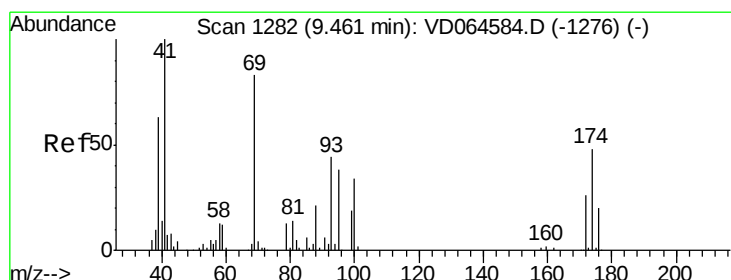
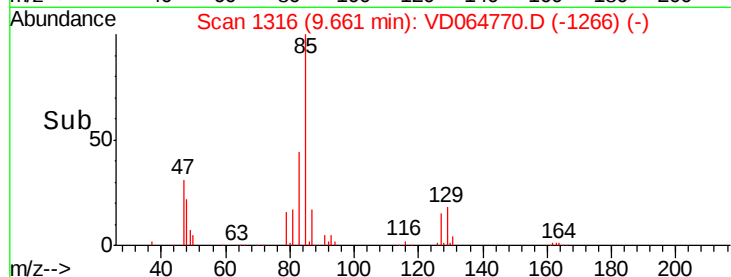
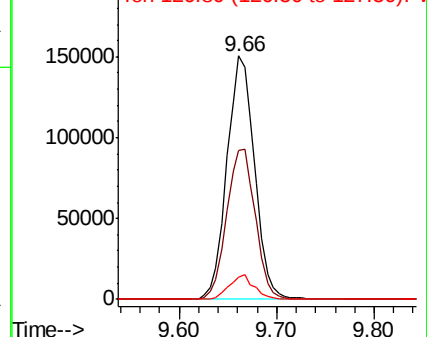
83 100

85 61.0 49.5 74.3

127 8.9 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: 51.295 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

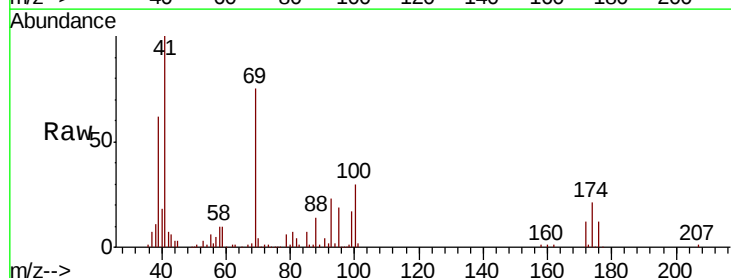
Tgt Ion: 41 Resp: 112543

Ion Ratio Lower Upper

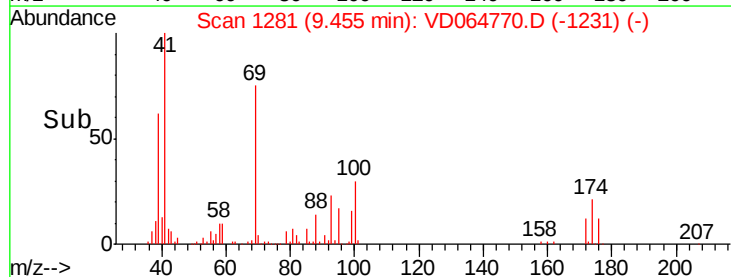
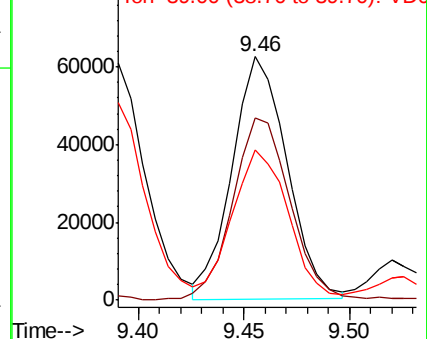
41 100

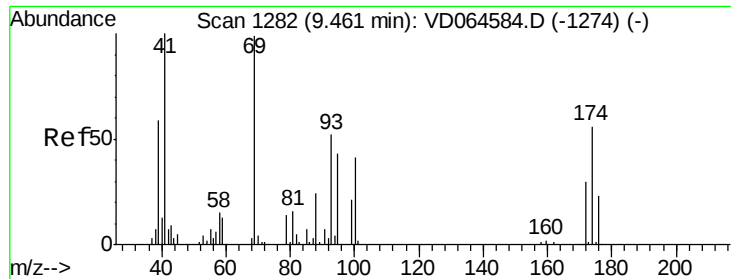
69 77.9 63.0 94.6

39 58.5 47.4 71.2



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

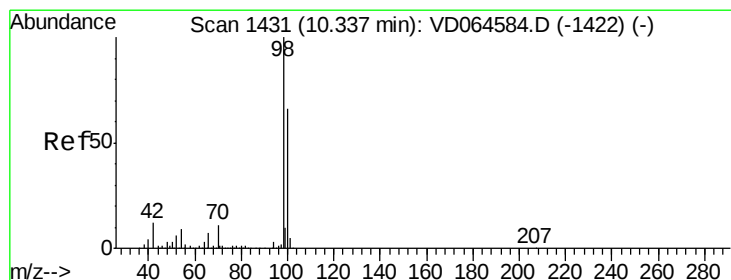
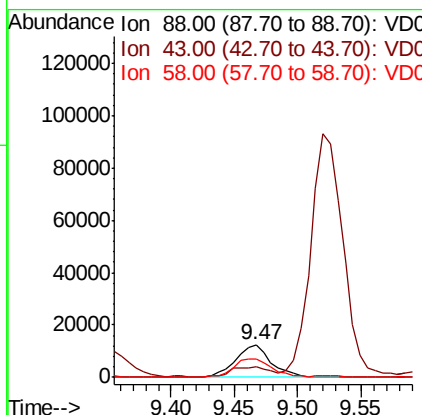
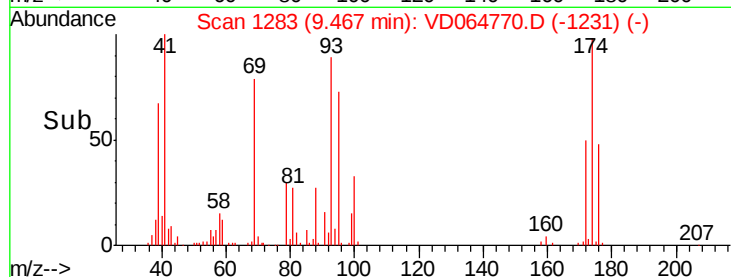
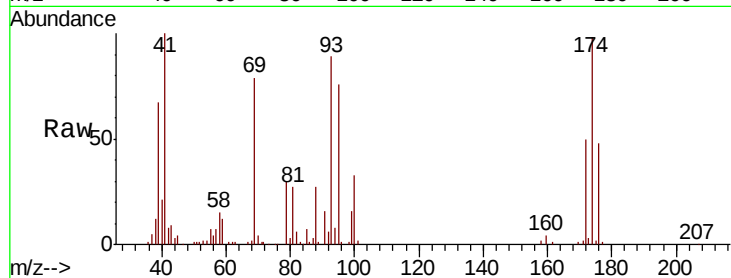




#49
1,4-Dioxane
Concen: 972.044 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

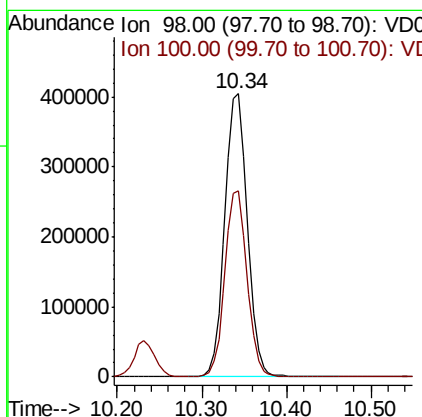
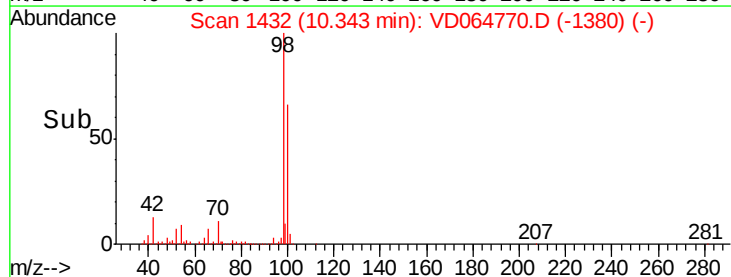
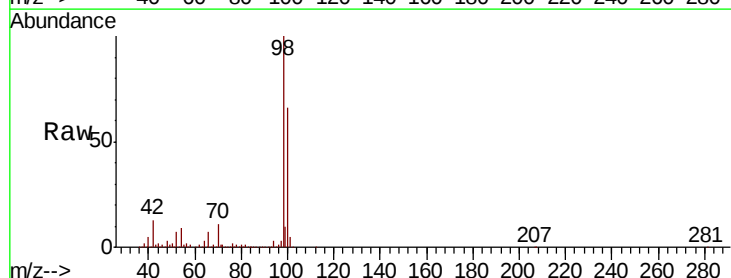
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 24272
Ion Ratio Lower Upper
88 100
43 33.4 27.7 41.5
58 61.2 53.8 80.6



#50
Toluene-d8
Concen: 51.134 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 98 Resp: 743886
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 243.295 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

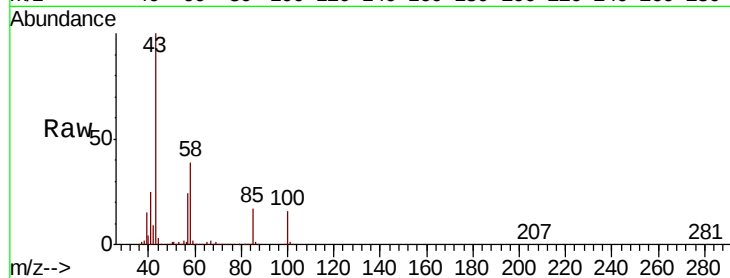
ClientSampleId :

Tot Ion: 43 Resp: 560348

Ion Ratio Lower Upper

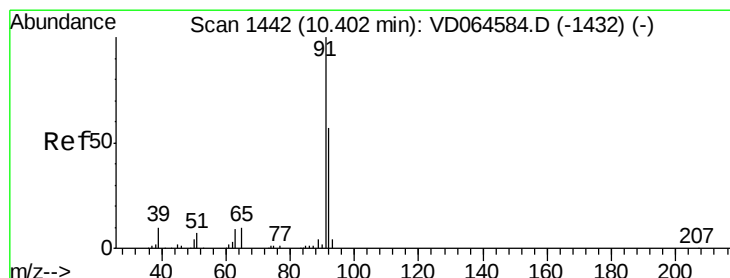
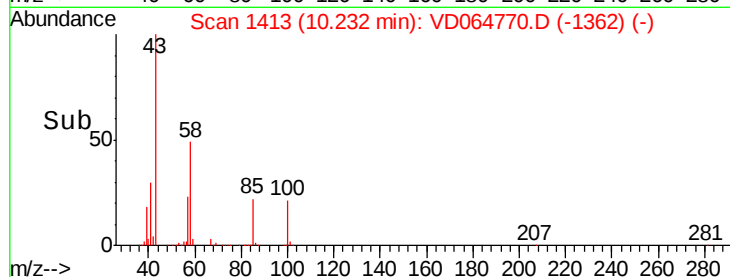
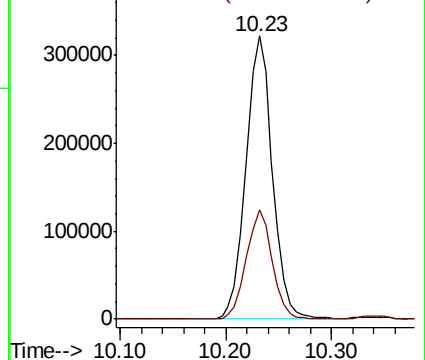
43 100

58 37.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.935 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064770.D

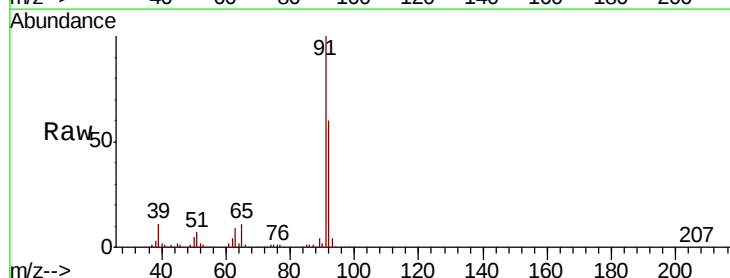
Acq: 06 Jan 2020 13:37

Tgt Ion: 92 Resp: 554299

Ion Ratio Lower Upper

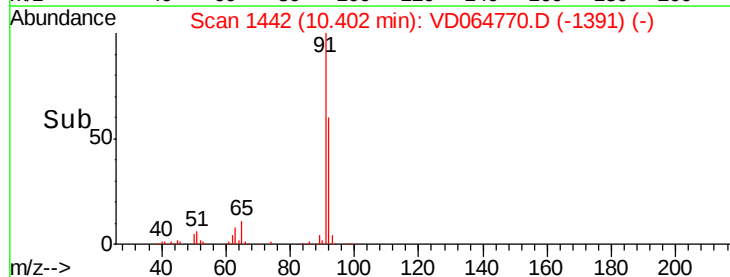
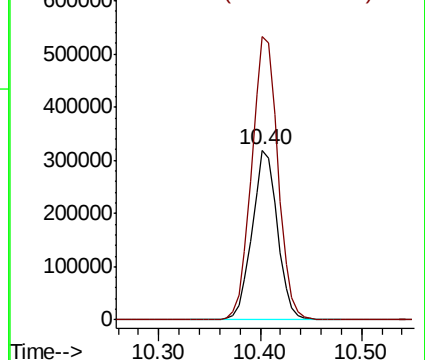
92 100

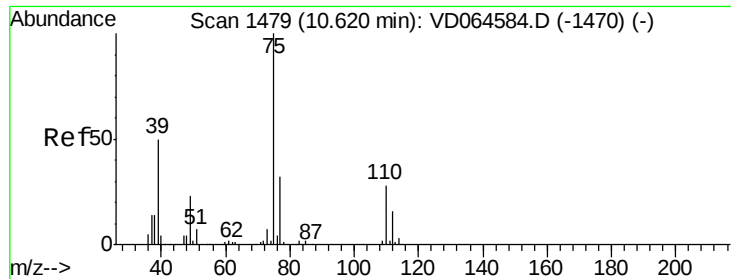
91 173.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

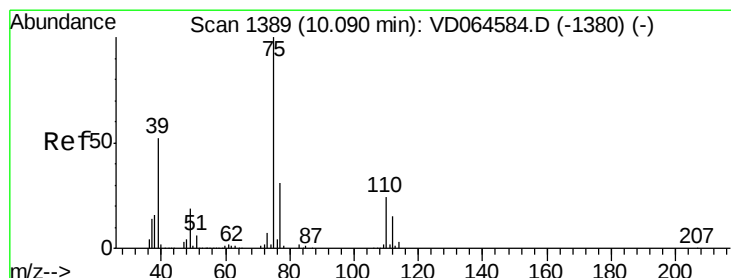
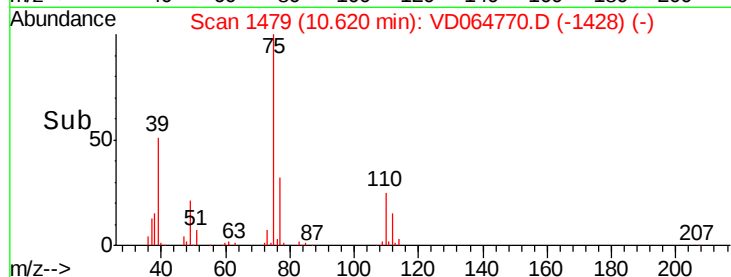
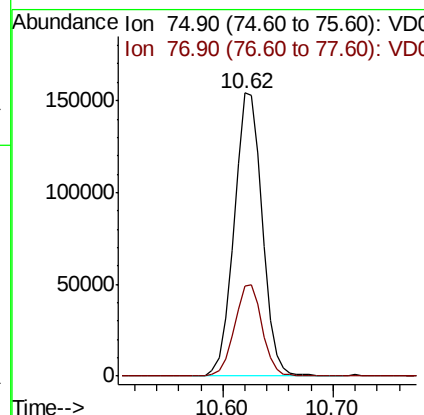
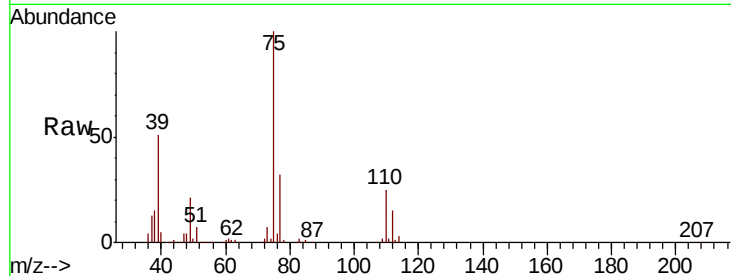




#53
t-1,3-Dichloropropene
Concen: 51.396 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

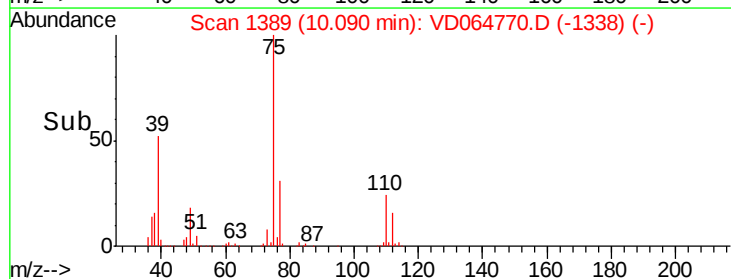
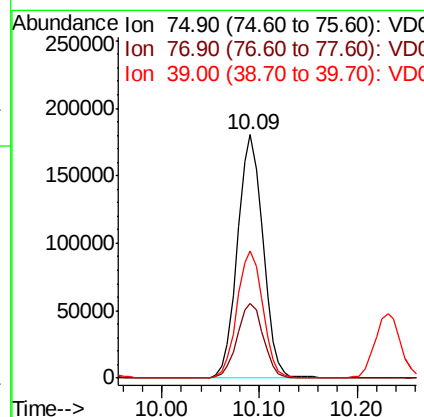
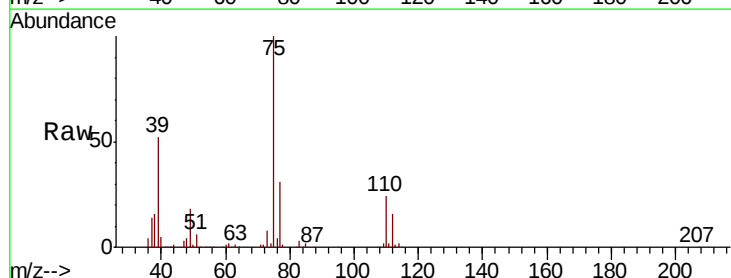
Instrument :
MSVOA_D
ClientSampleId :

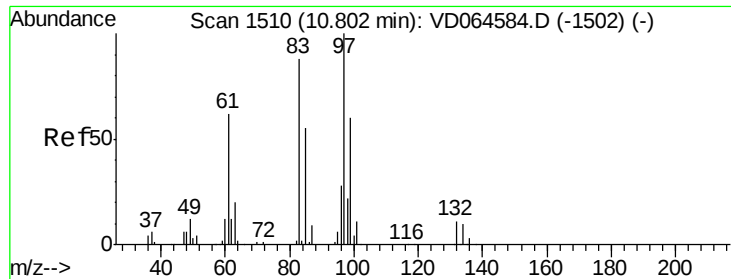
Tot Ion: 75 Resp: 276121
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 51.962 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 75 Resp: 329170
Ion Ratio Lower Upper
75 100
77 30.6 24.6 36.8
39 52.2 41.4 62.2



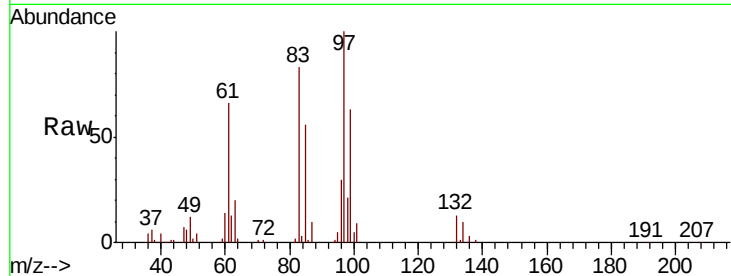


#55
 1,1,2-Trichloroethane
 Concen: 48.860 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 142594

Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.2	105.4
85	55.7	44.0	66.0
99	63.2	47.8	71.6



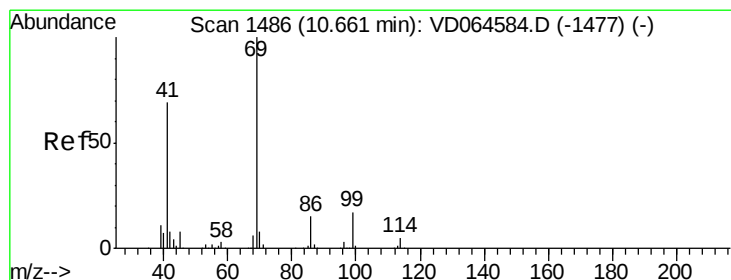
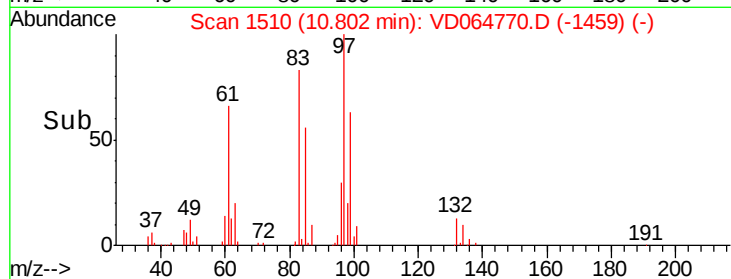
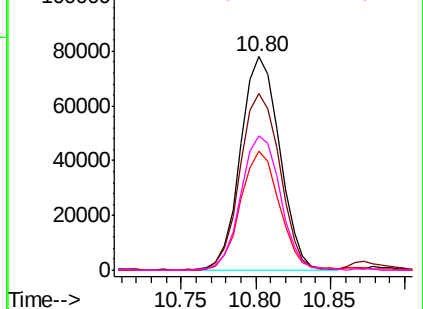
Abundance

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

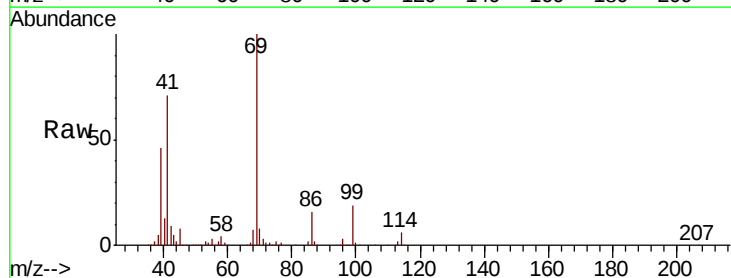
Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 49.876 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion: 69 Resp: 181785

Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.3	82.9
39	42.5	33.8	50.8

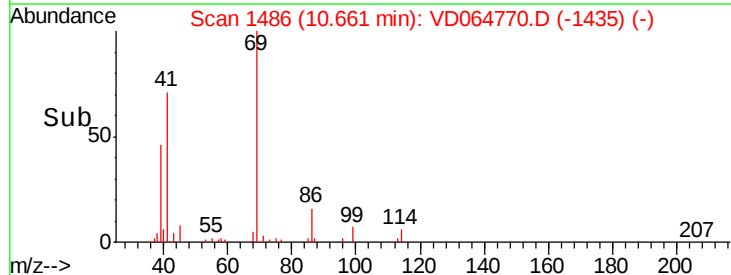
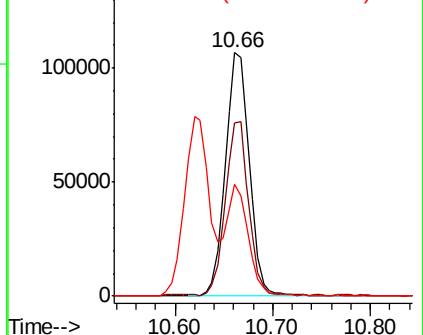


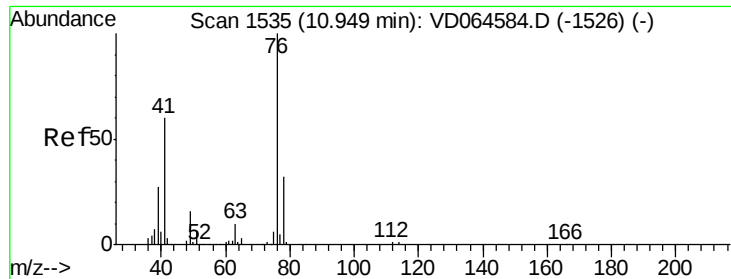
Abundance

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

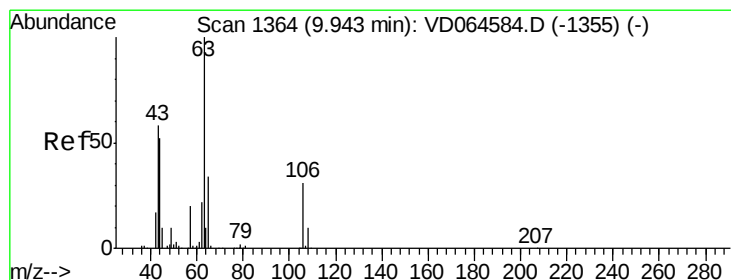
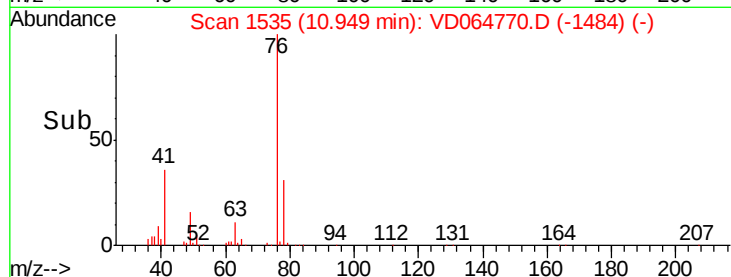
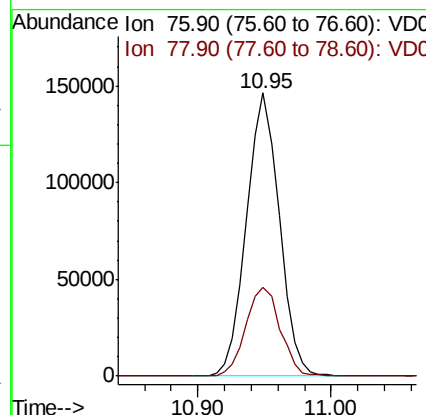
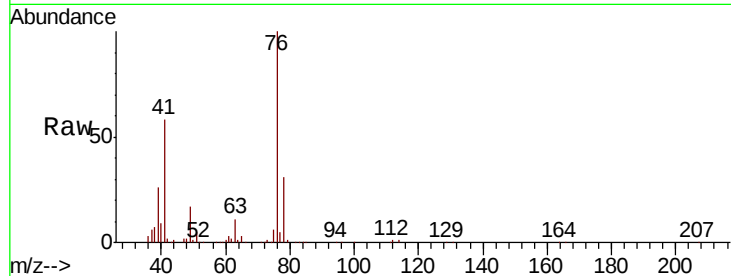




#57
 1,3-Dichloropropane
 Concen: 49.633 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

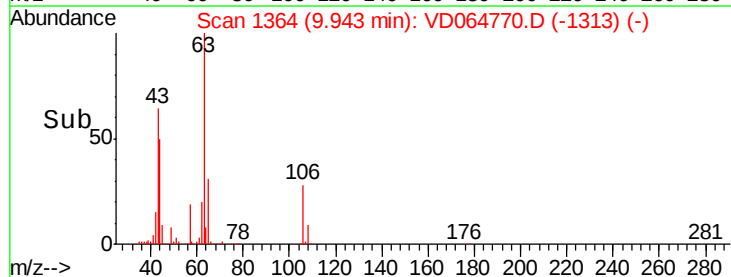
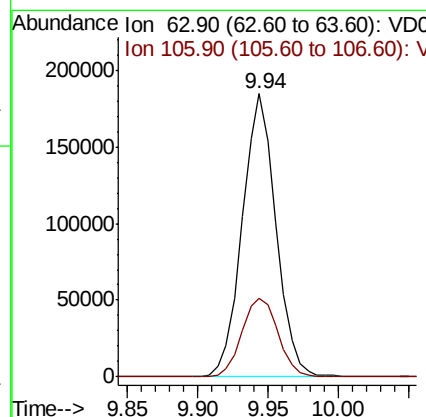
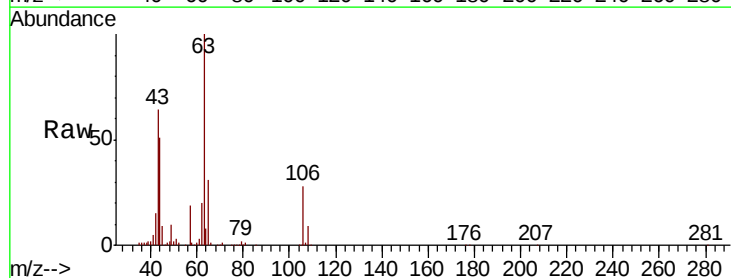
Instrument :
 MSVOA_D
 ClientSampleId :

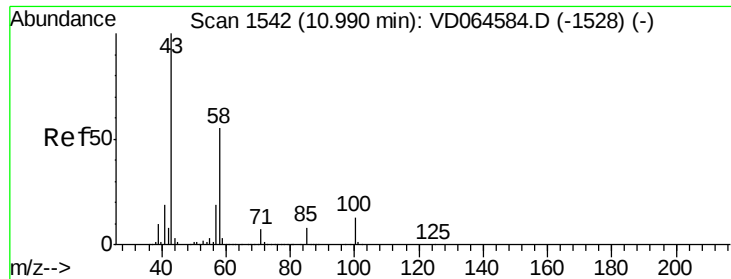
Tot Ion: 76 Resp: 249404
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.711 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion: 63 Resp: 307871
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.8 35.8

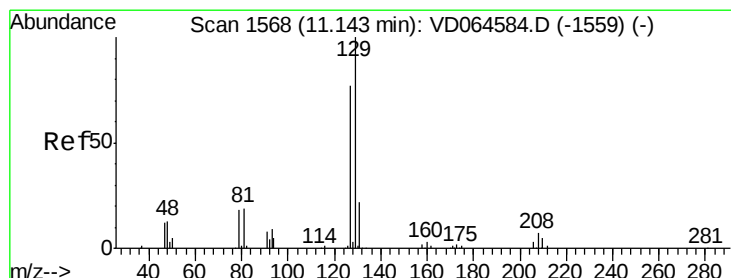
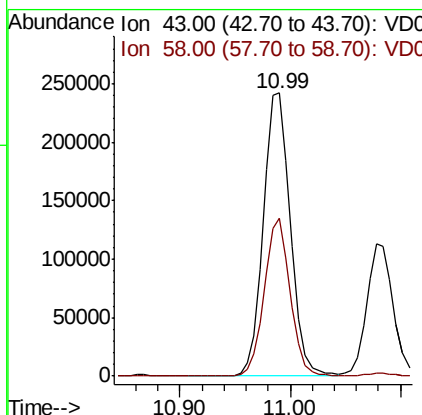
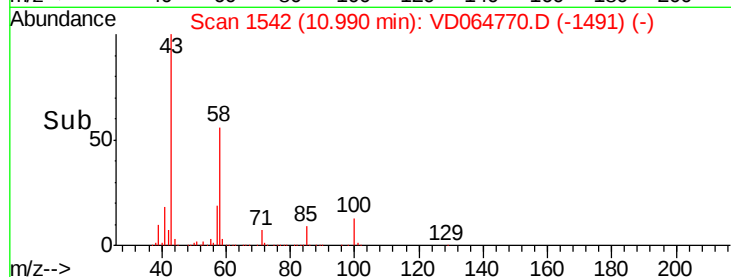
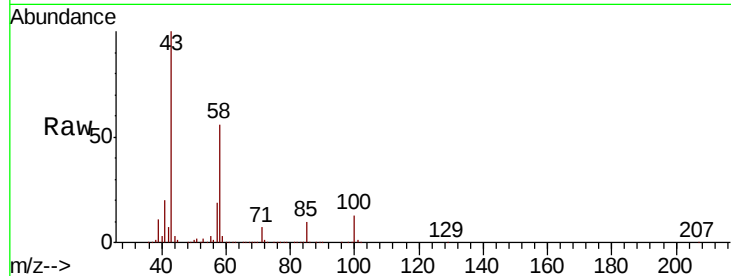




#59
2-Hexanone
Concen: 267.096 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

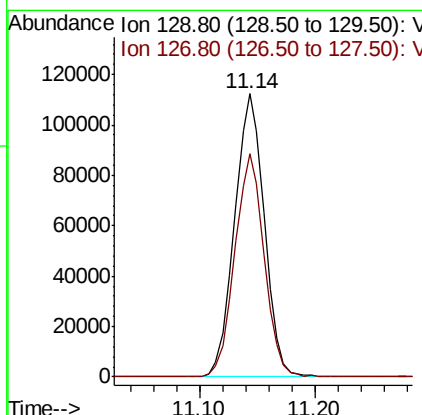
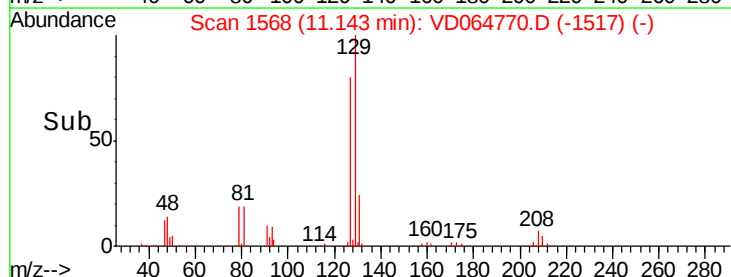
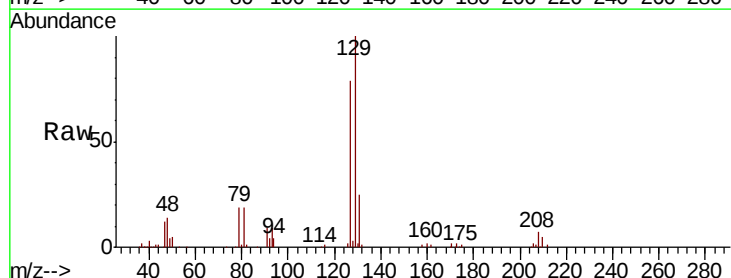
Instrument :
MSVOA_D
ClientSampled :

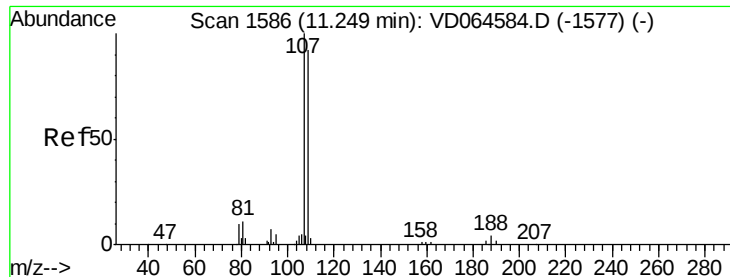
Tot Ion: 43 Resp: 417526
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 49.638 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 129 Resp: 200329
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2

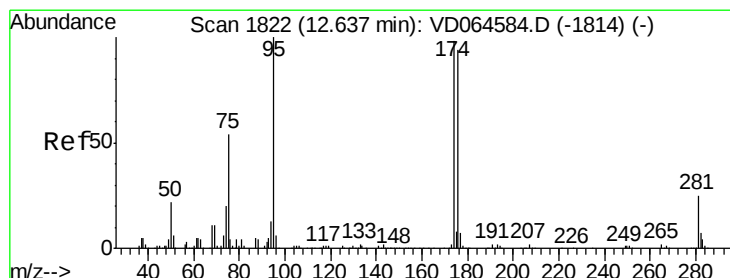
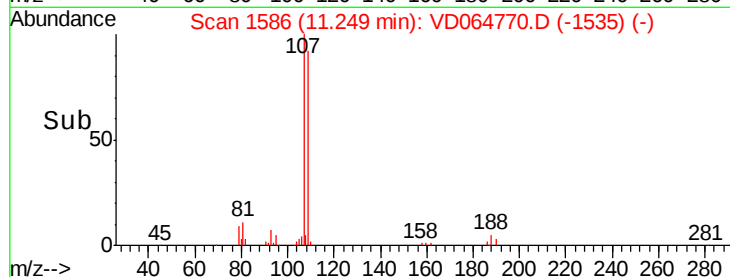
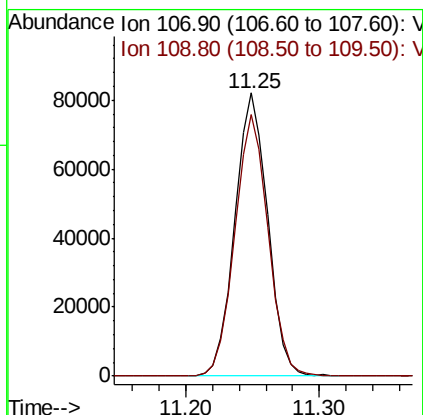
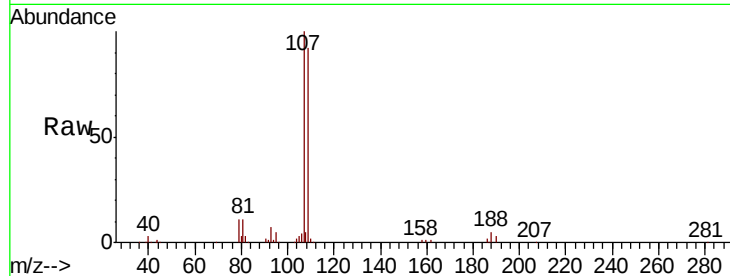




#61
 1,2-Dibromoethane
 Concen: 48.548 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

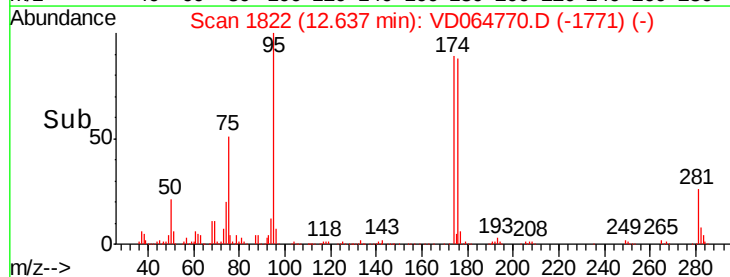
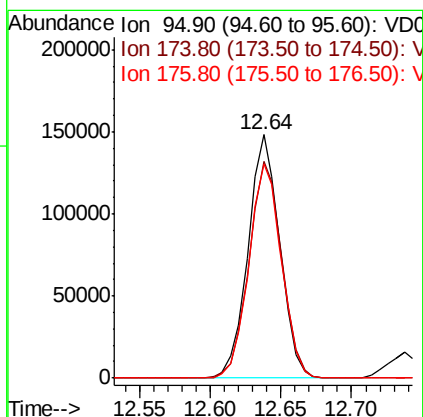
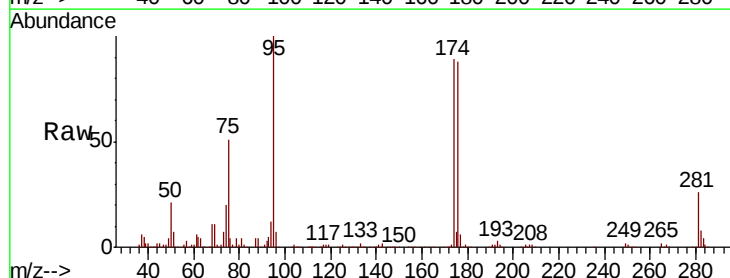
Instrument :
 MSVOA_D
 ClientSampleId :

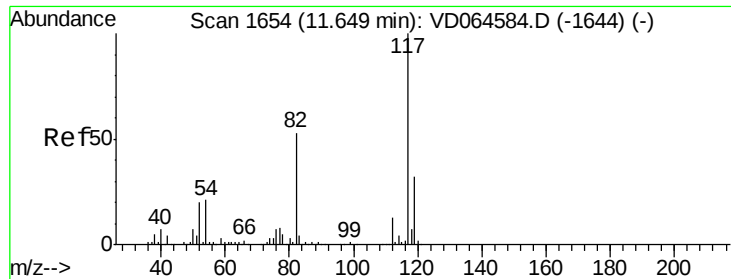
Tot Ion: 107 Resp: 139745
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.785 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion: 95 Resp: 233618
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 193.2
 176 90.4 0.0 184.2

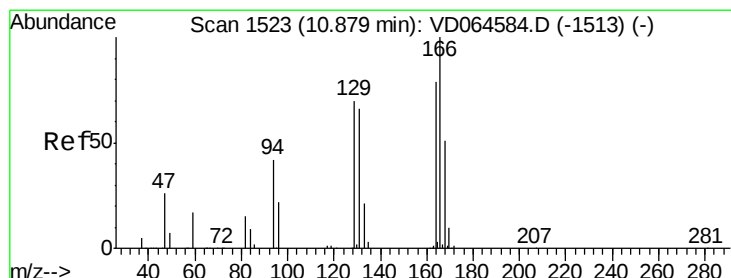
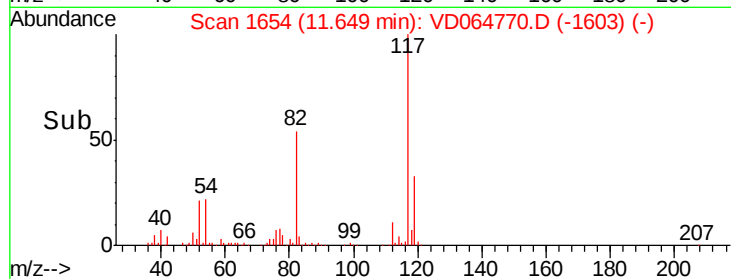
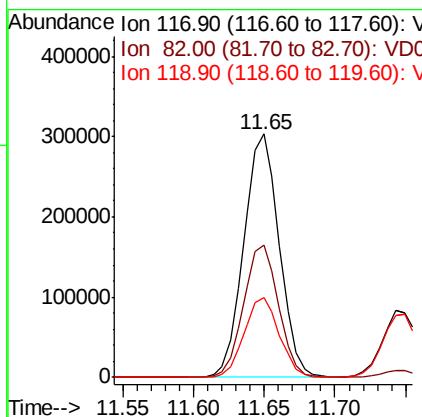
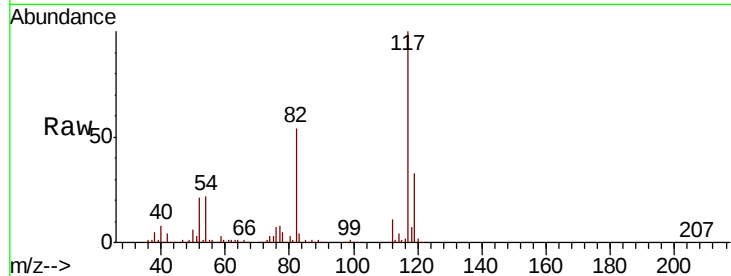




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

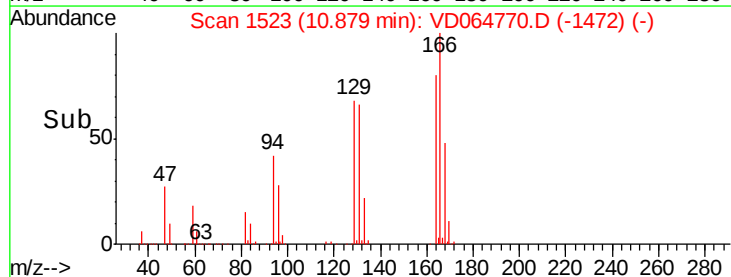
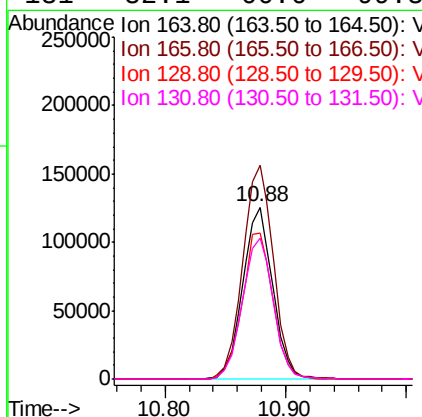
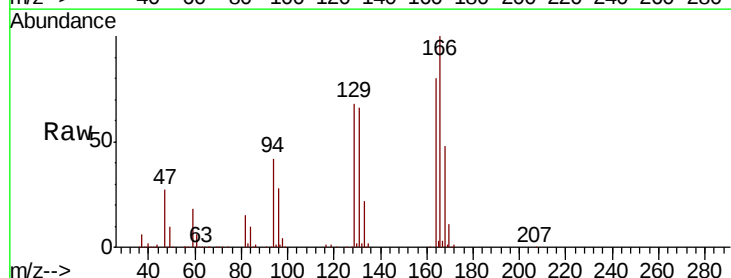
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 533136
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.4
119 32.8 26.0 39.0



#64
Tetrachloroethene
Concen: 53.087 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion:164 Resp: 217131
Ion Ratio Lower Upper
164 100
166 124.2 101.3 151.9
129 84.8 70.5 105.7
131 82.1 66.6 99.8

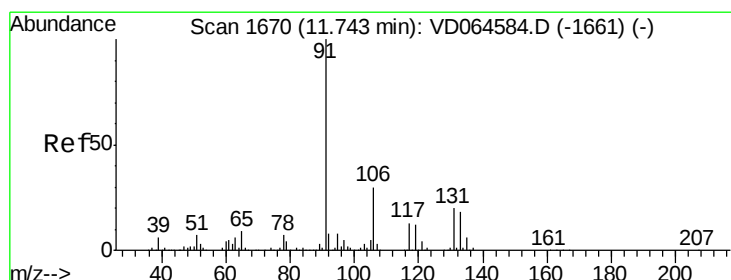
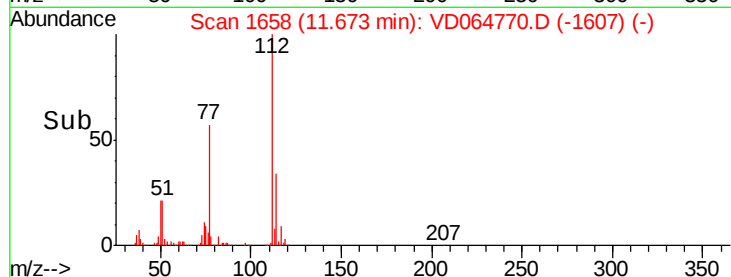
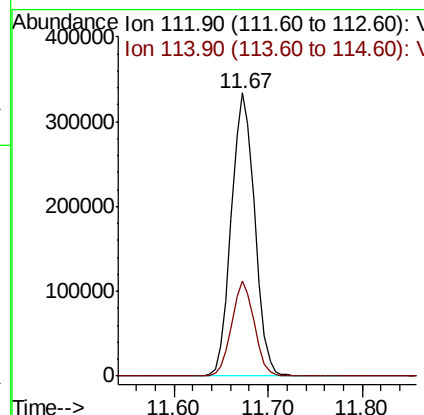
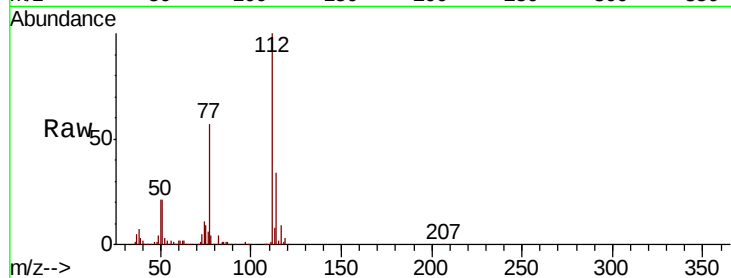




#65
Chlorobenzene
Concen: 52.088 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

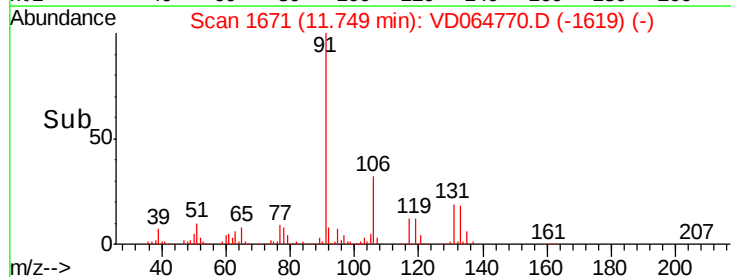
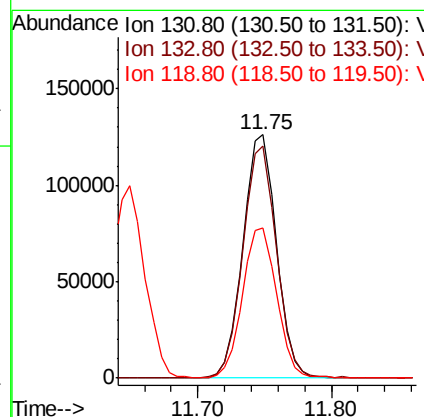
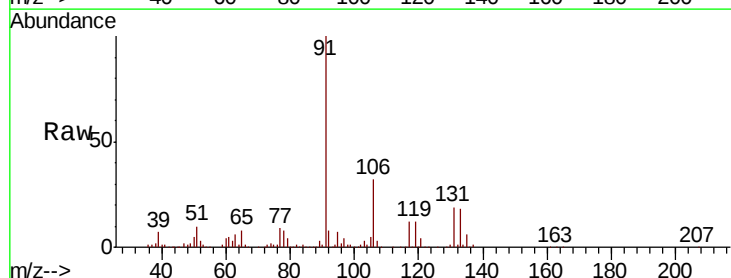
Instrument :
MSVOA_D
ClientSampleId :

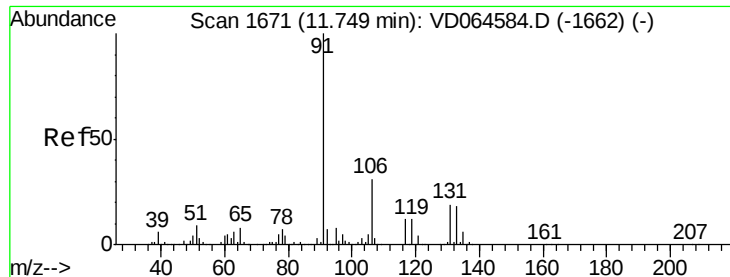
Tot Ion:112 Resp: 576367
Ion Ratio Lower Upper
112 100
114 33.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.280 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion:131 Resp: 218082
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 63.4 32.1 96.3





#67

Ethyl Benzene

Concen: 54.214 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

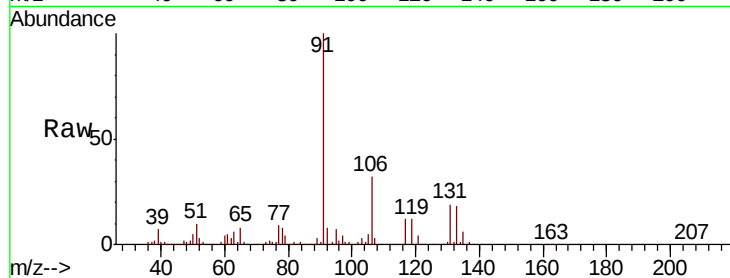
ClientSampleId :

Tot Ion: 91 Resp: 1088826

Ion Ratio Lower Upper

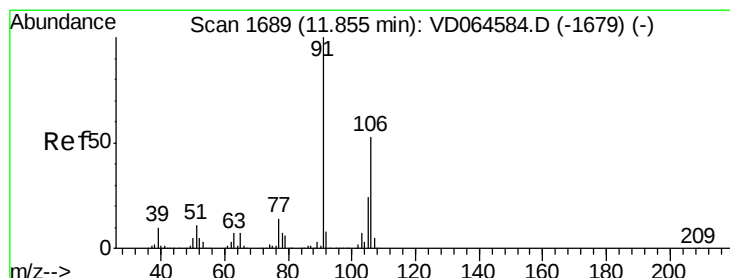
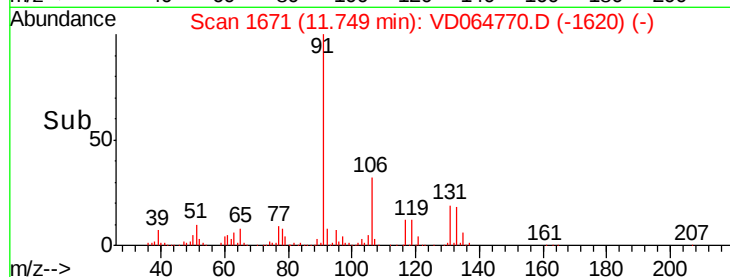
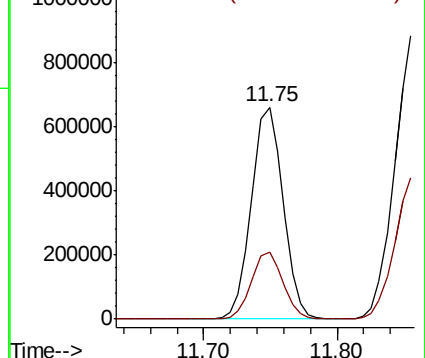
91 100

106 31.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.437 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064770.D

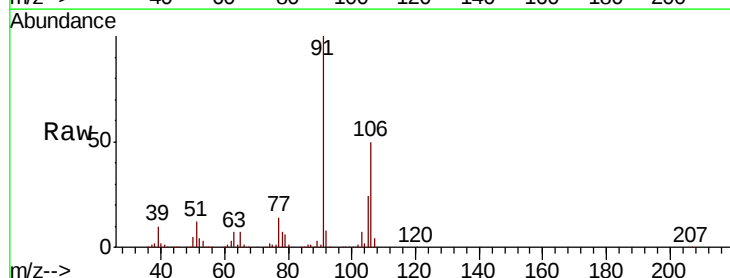
Acq: 06 Jan 2020 13:37

Tgt Ion: 106 Resp: 840599

Ion Ratio Lower Upper

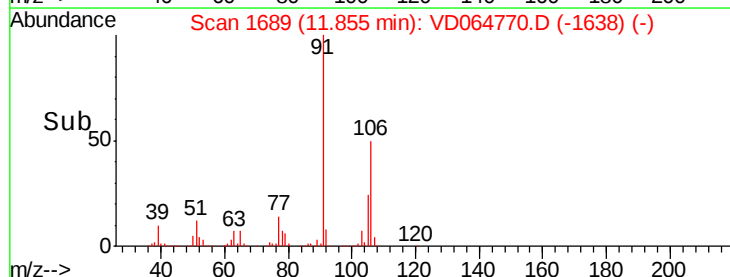
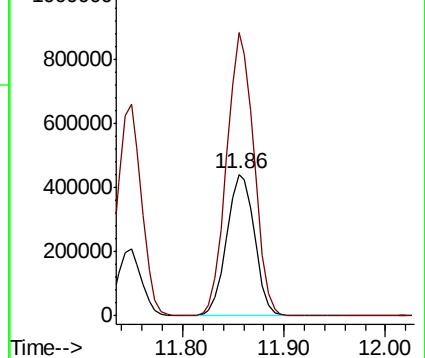
106 100

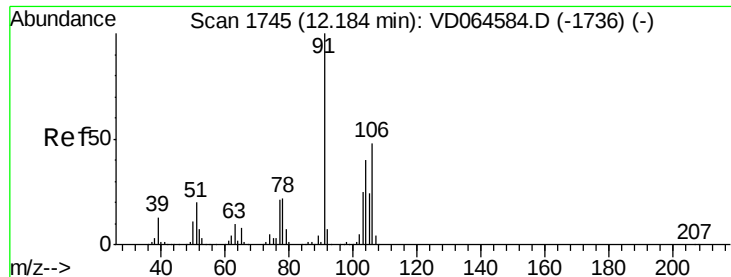
91 196.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

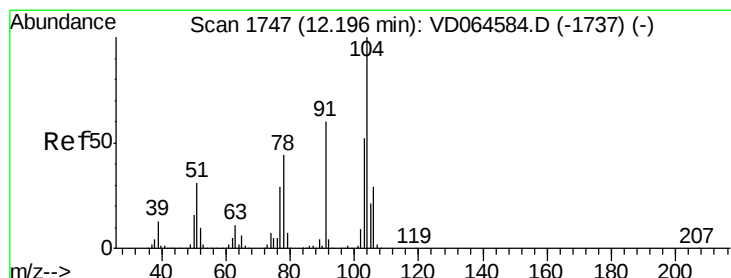
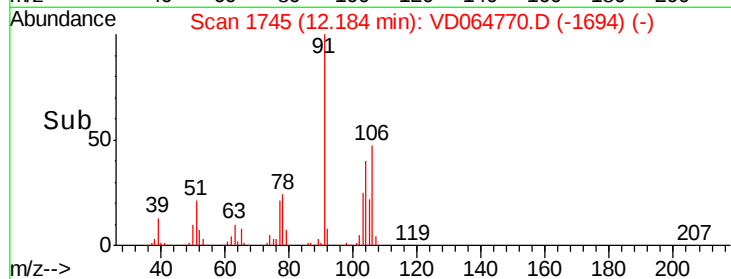
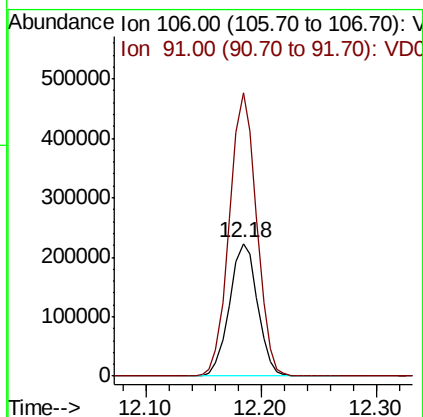
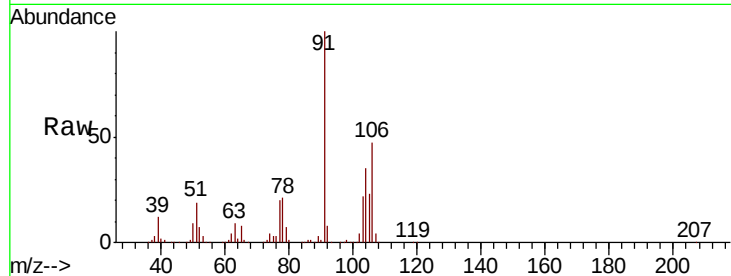




#69
o-Xylene
Concen: 53.645 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

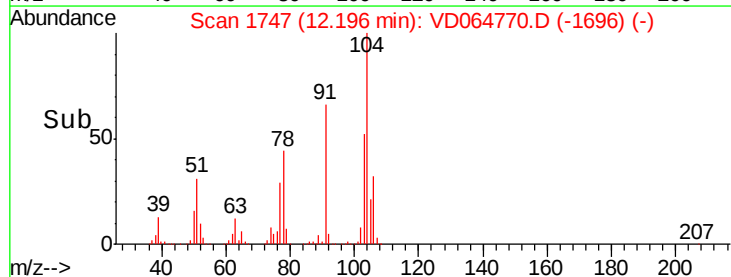
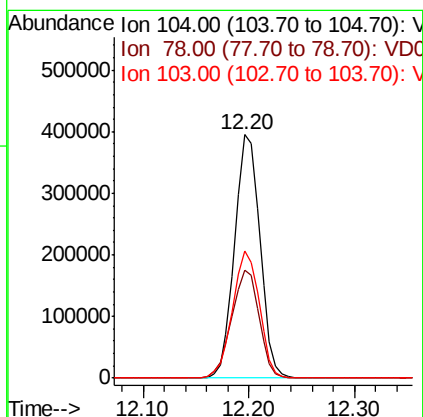
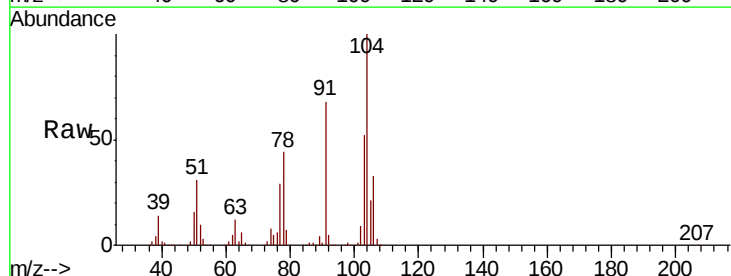
Instrument :
MSVOA_D
ClientSampled :

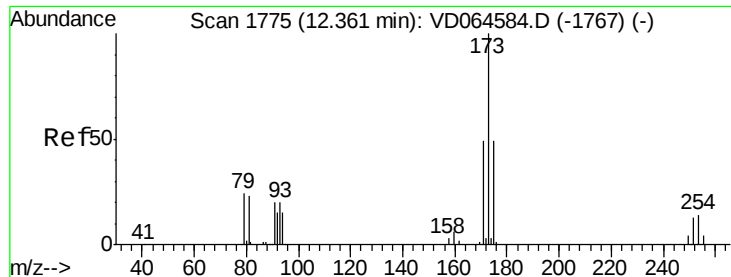
Tot Ion:106 Resp: 375623
Ion Ratio Lower Upper
106 100
91 207.6 104.8 314.4



#70
Styrene
Concen: 53.323 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion:104 Resp: 655367
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.0 44.6 67.0





#71

Bromoform

Concen: 49.286 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampled :

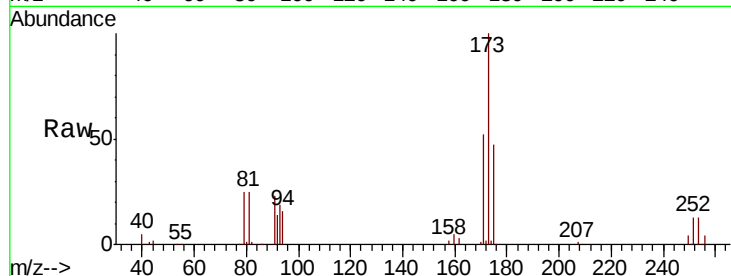
Tot Ion:173 Resp: 117244

Ion Ratio Lower Upper

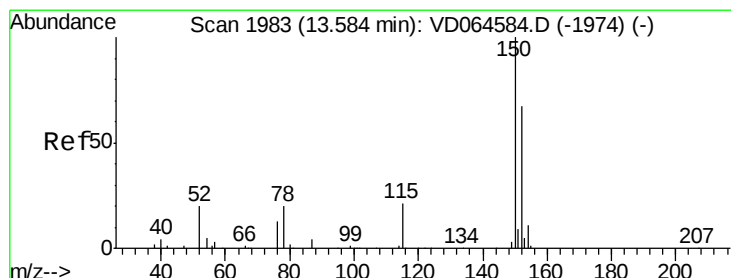
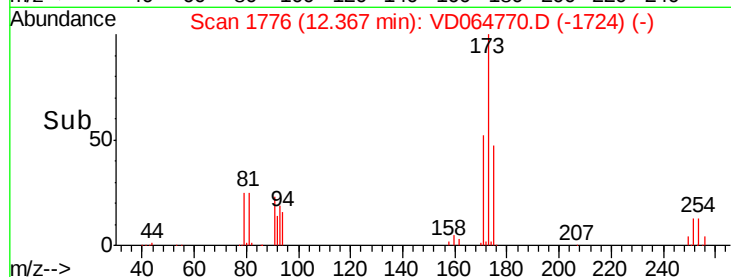
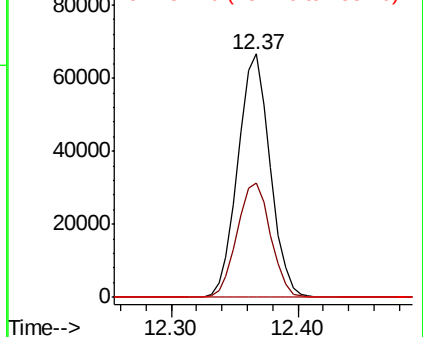
173 100

175 48.8 24.6 73.8

254 0.2 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: VD064770.D

Acq: 06 Jan 2020 13:37

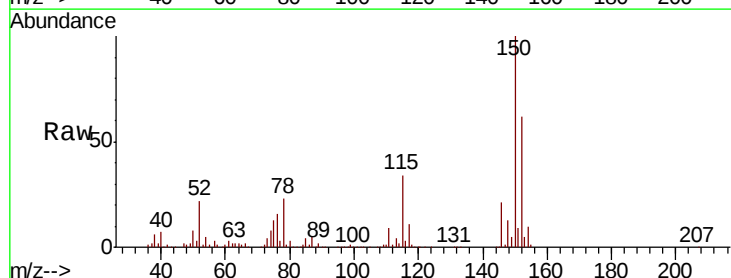
Tgt Ion:152 Resp: 265389

Ion Ratio Lower Upper

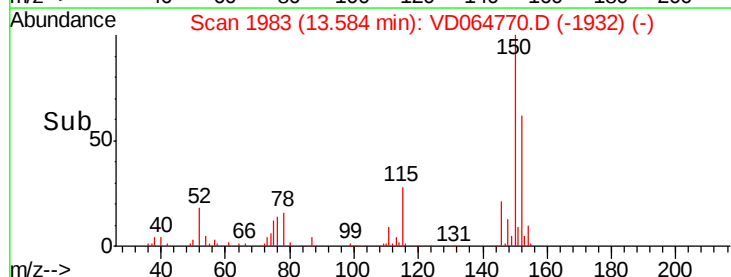
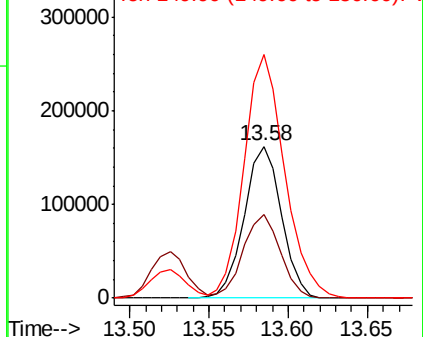
152 100

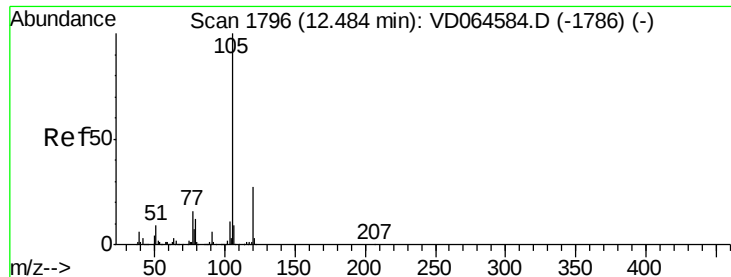
115 55.0 27.8 83.4

150 174.2 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: 55.445 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

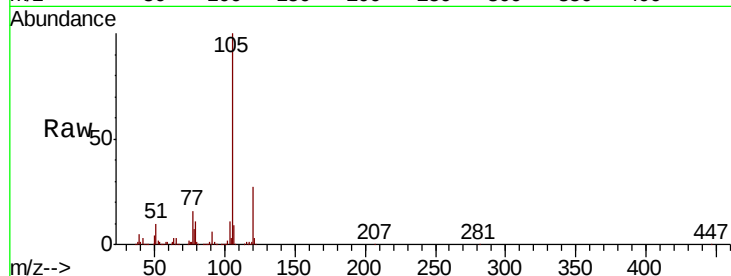
ClientSampleId :

Tot Ion:105 Resp: 1051532

Ion Ratio Lower Upper

105 100

120 27.0 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

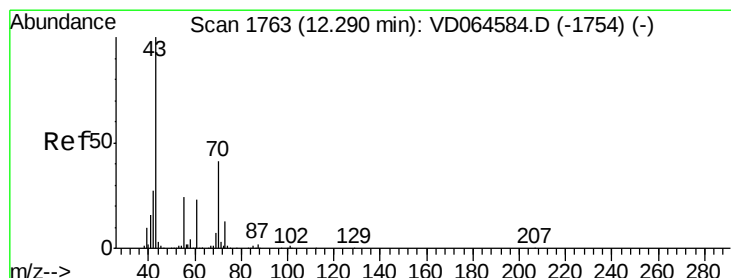
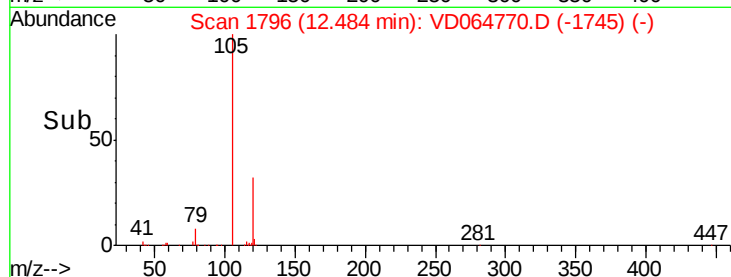
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 50.909 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Tgt Ion: 43 Resp: 206391

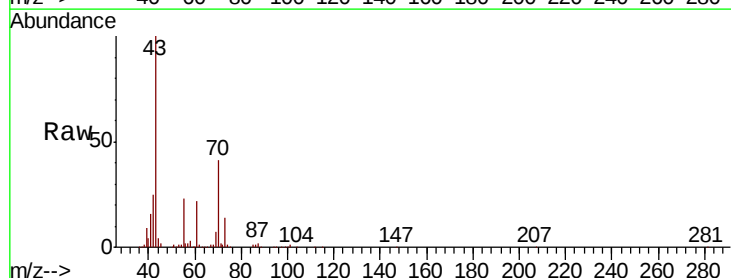
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.7 19.4 29.0

61 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

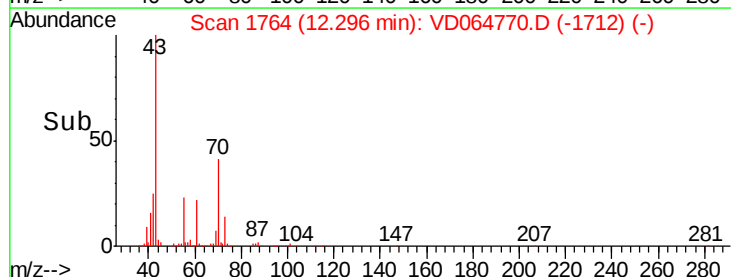
100000

50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 49.810 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

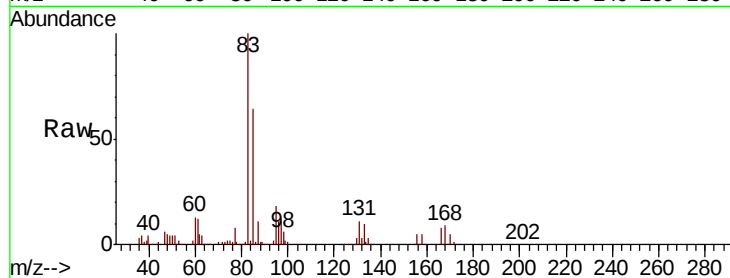
Tot Ion: 83 Resp: 148398

Ion Ratio Lower Upper

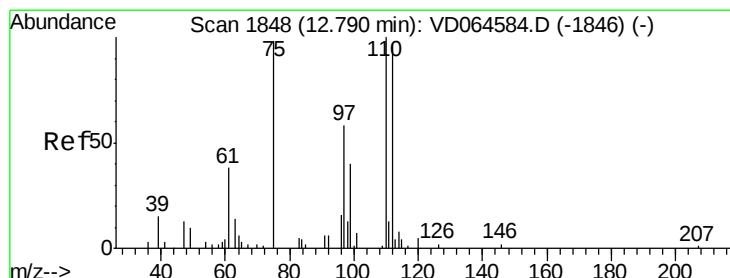
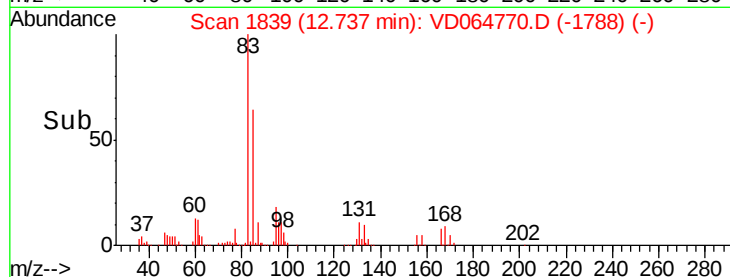
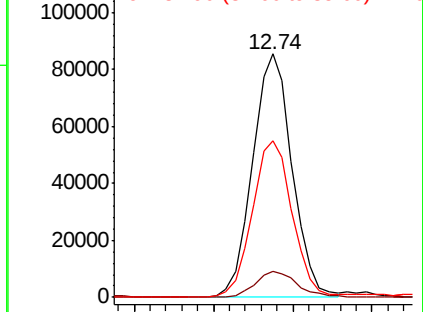
83 100

131 11.4 5.8 17.4

85 66.0 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 96.576 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064770.D

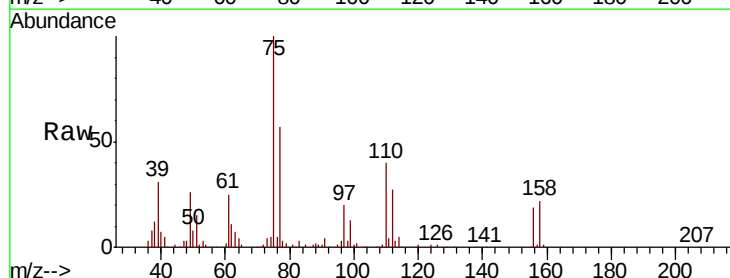
Acq: 06 Jan 2020 13:37

Tgt Ion: 75 Resp: 202392

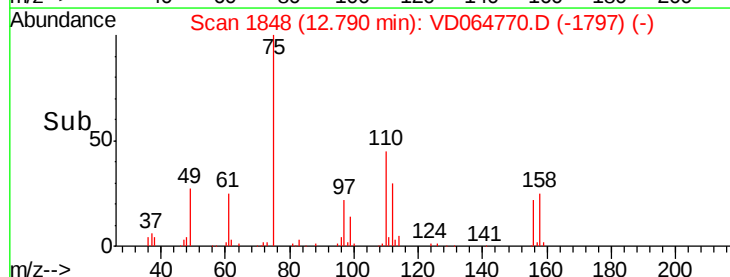
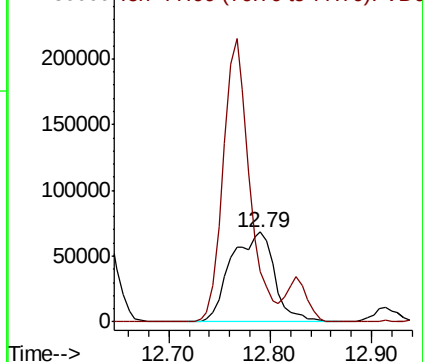
Ion Ratio Lower Upper

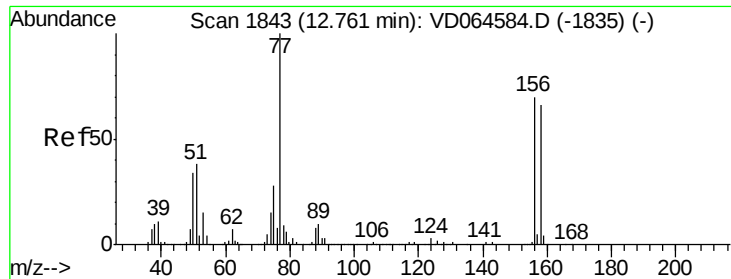
75 100

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: 52.198 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

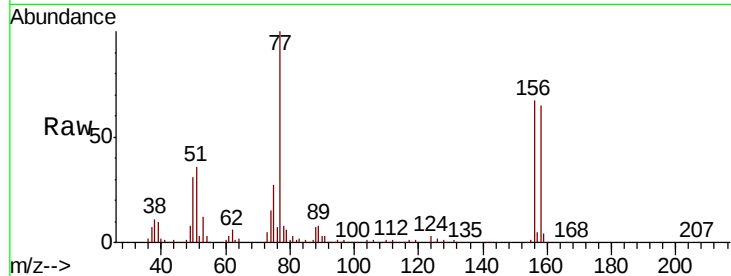
Tot Ion:156 Resp: 243243

Ion Ratio Lower Upper

156 100

77 160.4 80.9 242.7

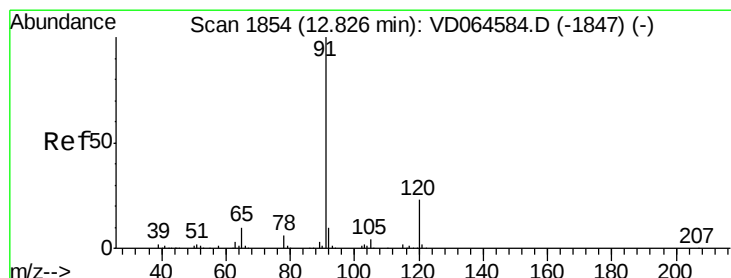
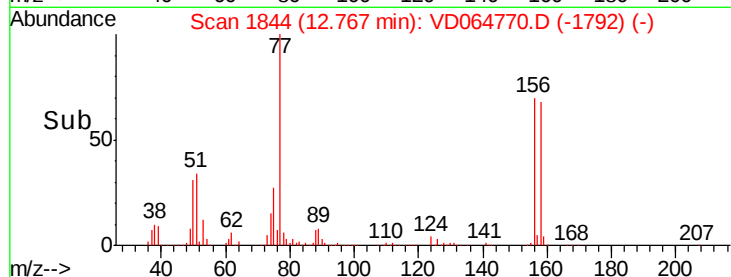
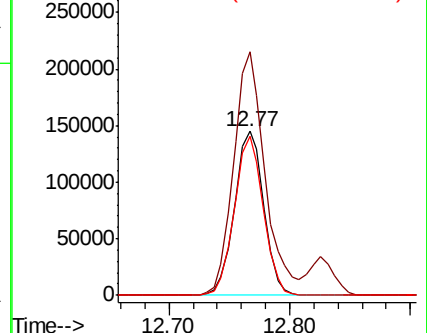
158 96.3 48.0 144.2



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: 55.959 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064770.D

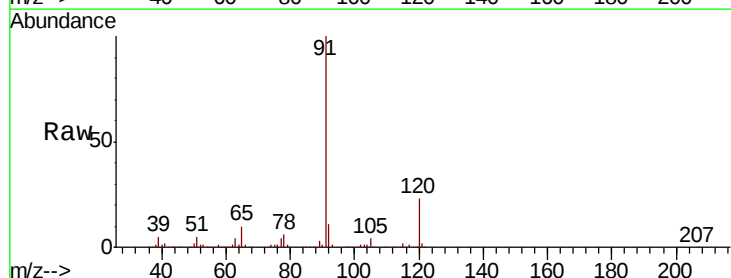
Acq: 06 Jan 2020 13:37

Tgt Ion: 91 Resp: 1238109

Ion Ratio Lower Upper

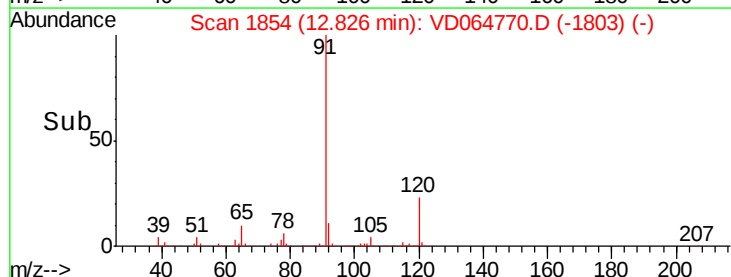
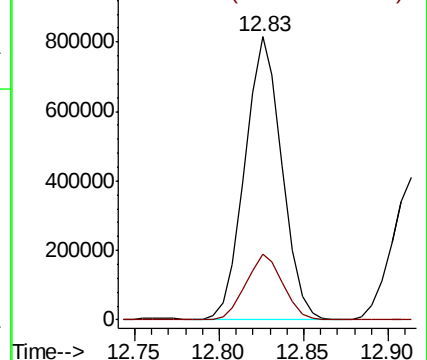
91 100

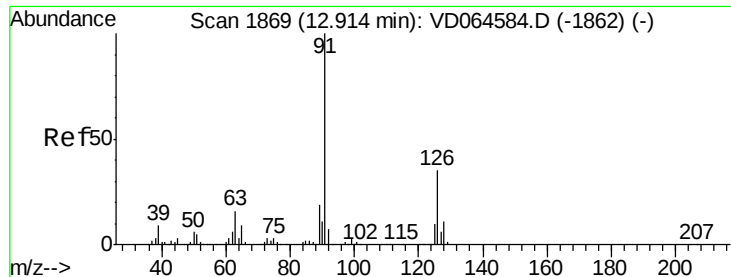
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.772 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

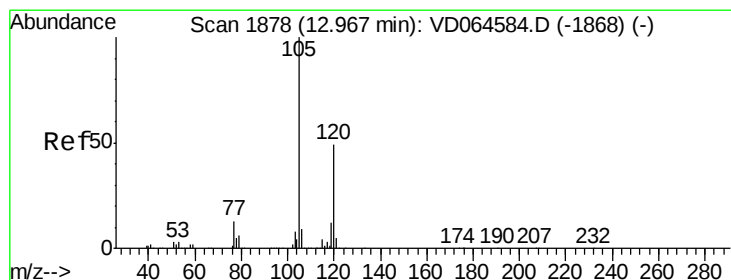
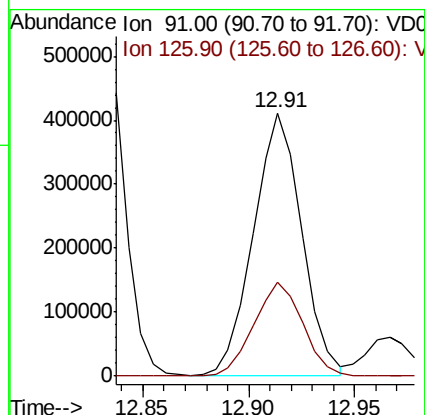
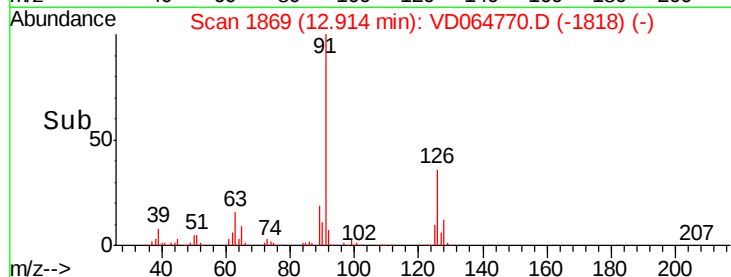
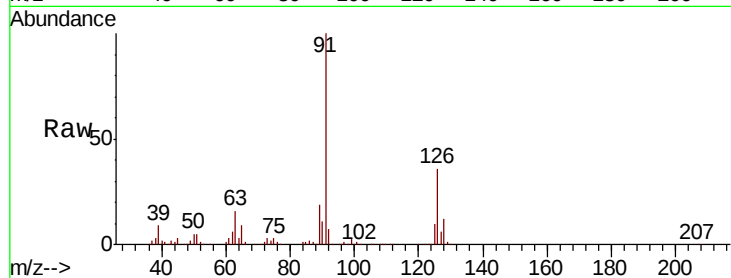
ClientSampled :

Tot Ion: 91 Resp: 653567

Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 54.900 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064770.D

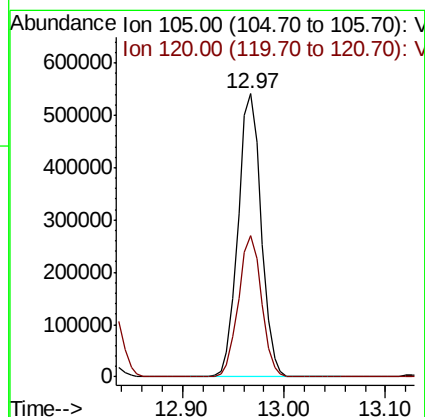
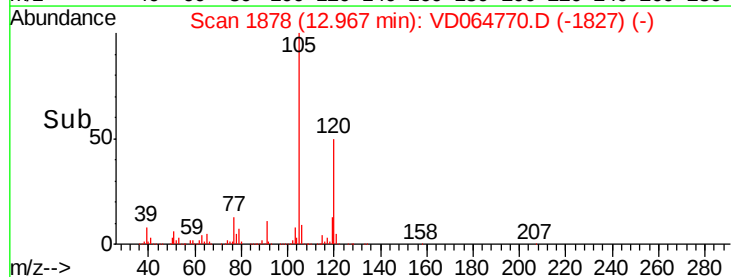
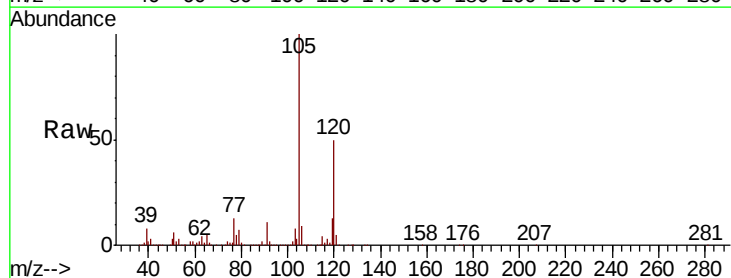
Acq: 06 Jan 2020 13:37

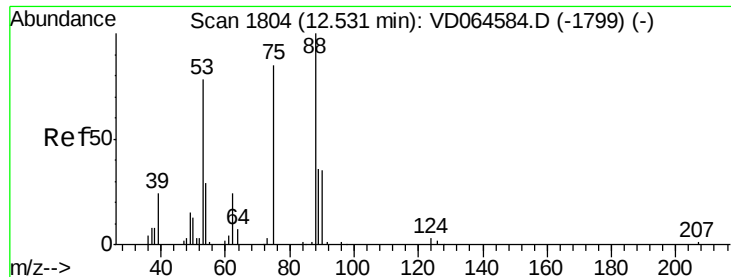
Tgt Ion: 105 Resp: 855301

Ion Ratio Lower Upper

105 100

120 49.9 25.0 75.0

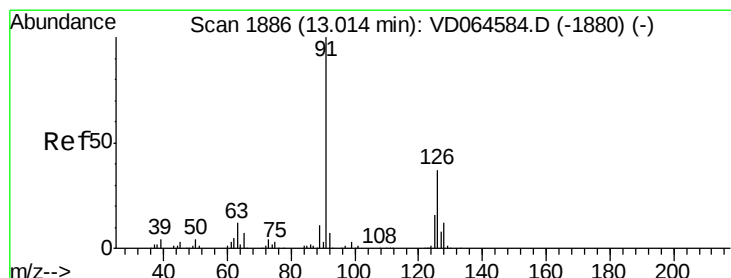
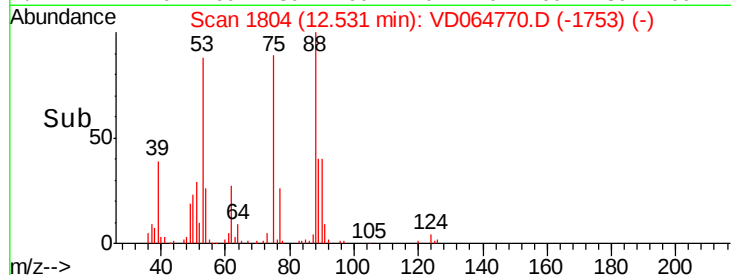
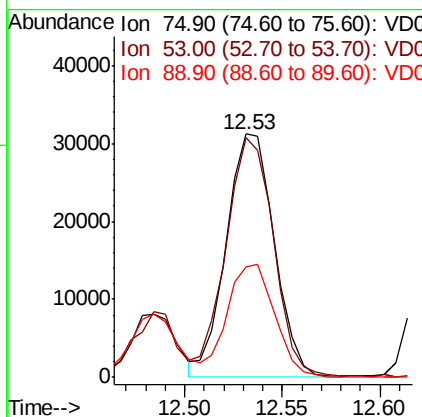
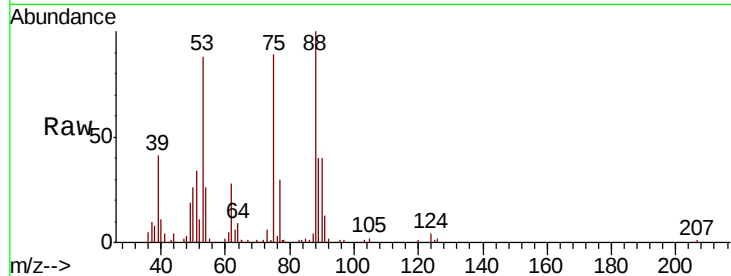




#81
trans-1,4-Dichloro-2-butene
Concen: 53.387 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

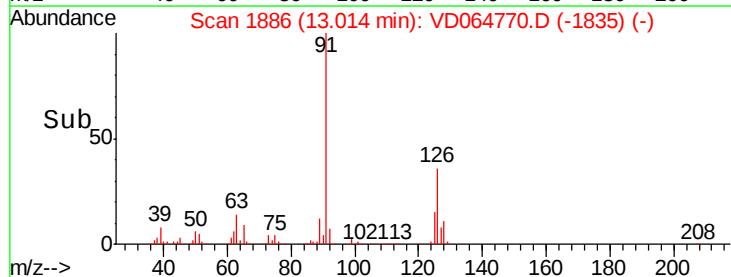
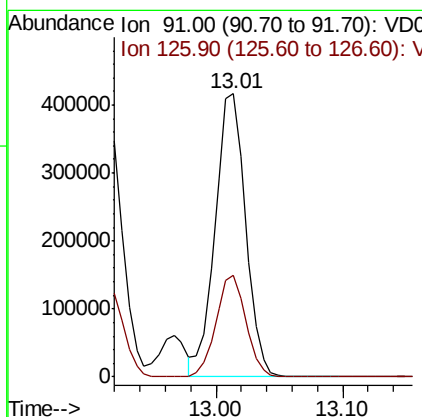
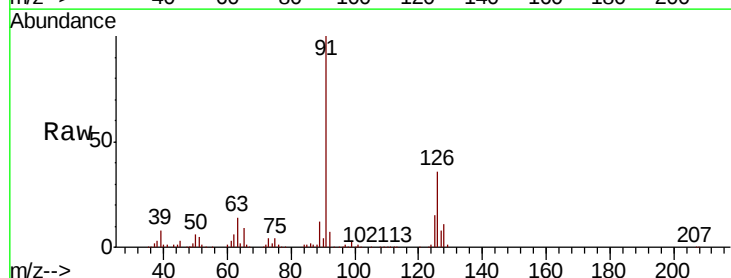
Instrument :
MSVOA_D
ClientSampleId :

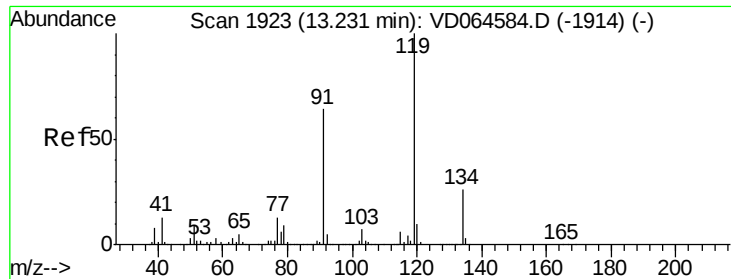
Tot Ion: 75 Resp: 53494
Ion Ratio Lower Upper
75 100
53 98.1 78.8 118.2
89 45.7 38.3 57.5



#82
4-Chlorotoluene
Concen: 53.851 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 91 Resp: 696537
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.5

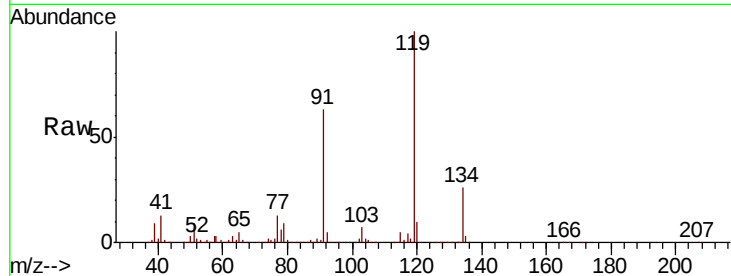




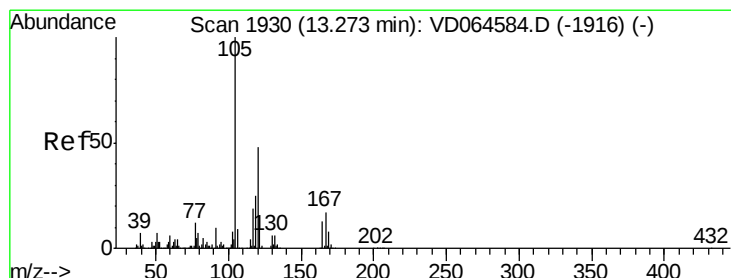
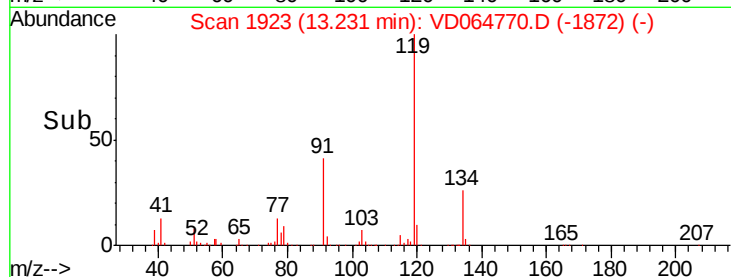
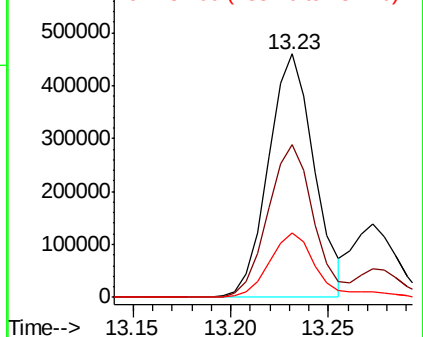
#83
tert-Butylbenzene
Concen: 55.239 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 747193
Ion Ratio Lower Upper
119 100
91 62.9 30.8 92.4
134 27.5 12.8 38.3

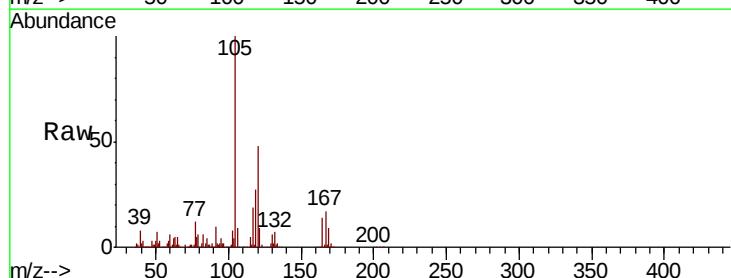


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

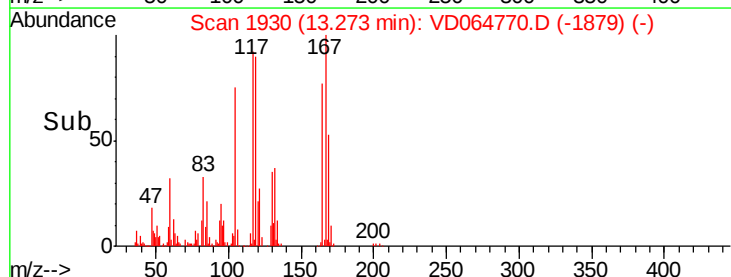
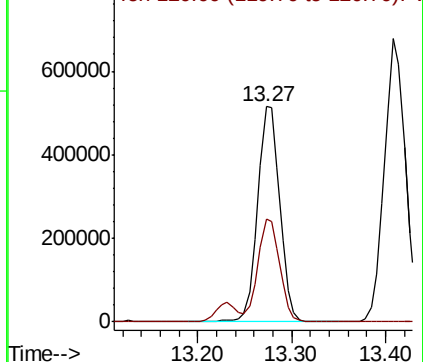


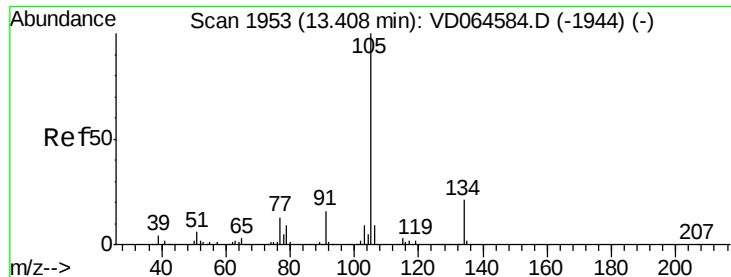
#84
1,2,4-Trimethylbenzene
Concen: 54.079 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion:105 Resp: 839076
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 56.707 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

Instrument :

MSVOA_D

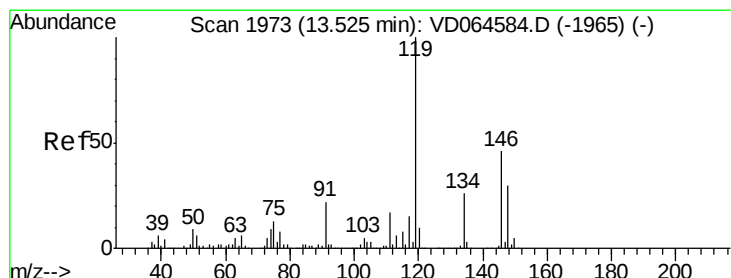
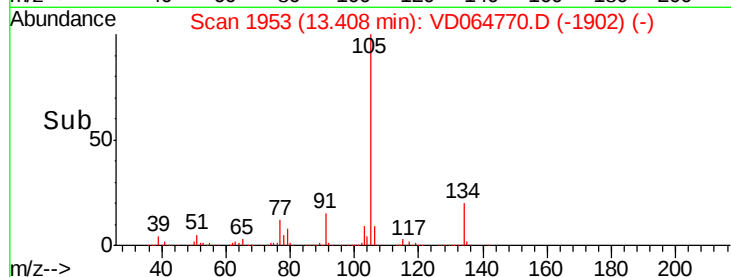
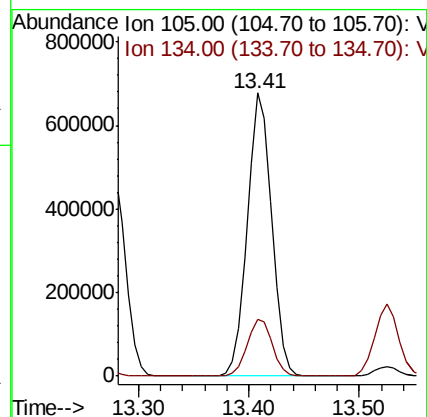
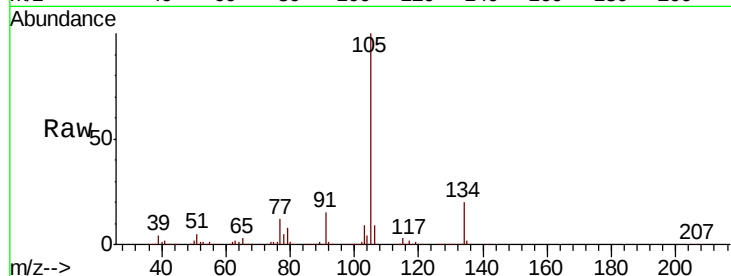
ClientSampleId :

Tot Ion:105 Resp: 1051573

Ion Ratio Lower Upper

105 100

134 20.6 10.6 31.8



#86

p-Isopropyltoluene

Concen: 55.652 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064770.D

Acq: 06 Jan 2020 13:37

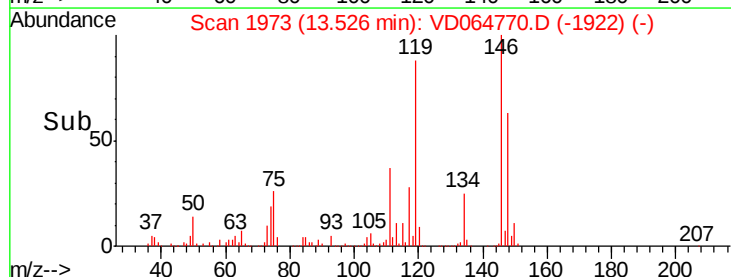
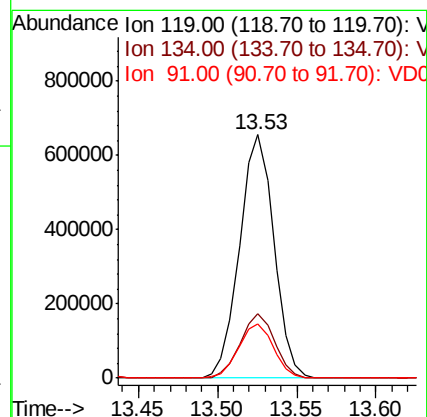
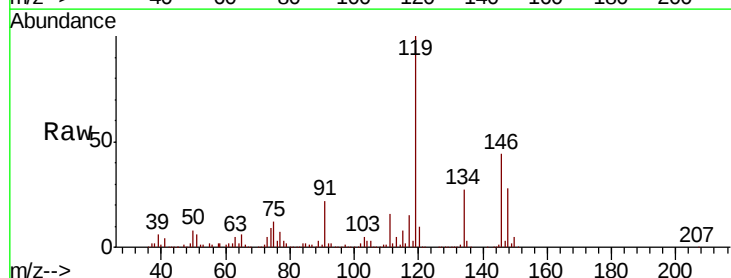
Tgt Ion:119 Resp: 986810

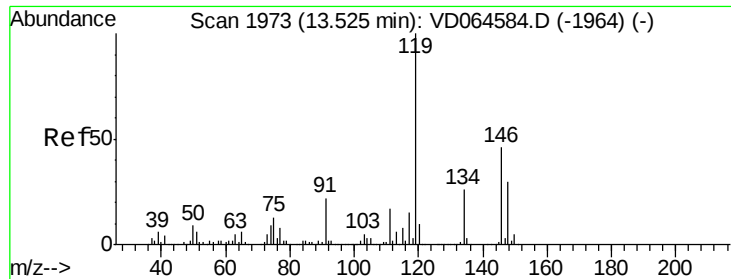
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.6 11.2 33.6

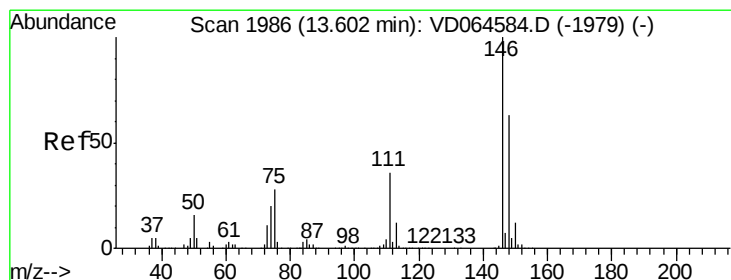
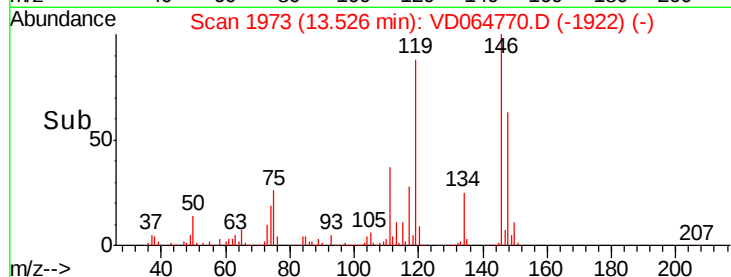
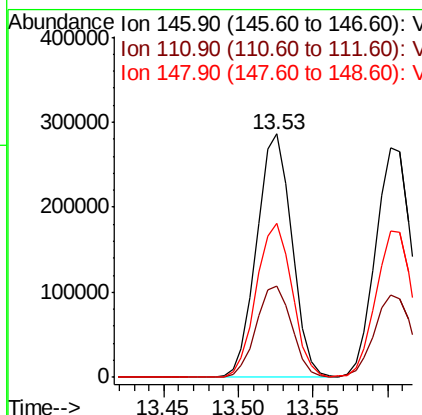
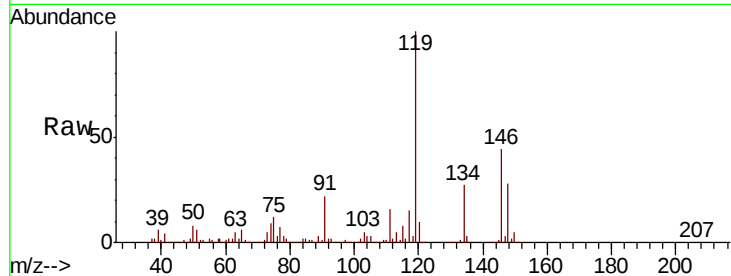




#87
 1,3-Dichlorobenzene
 Concen: 52.474 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

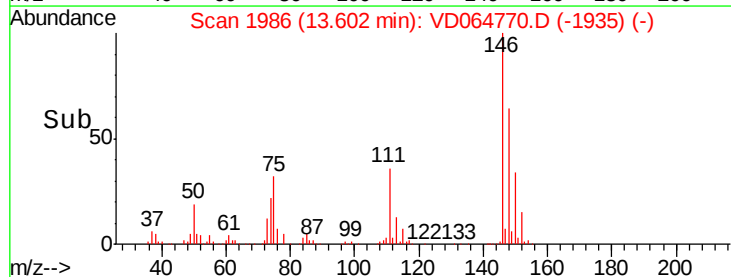
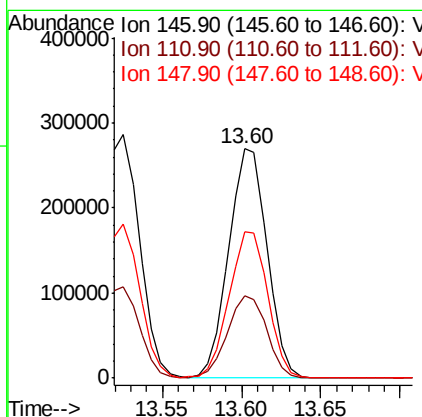
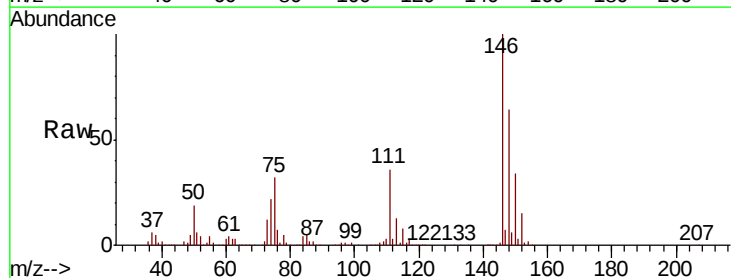
Instrument :
 MSVOA_D
 ClientSampleId :

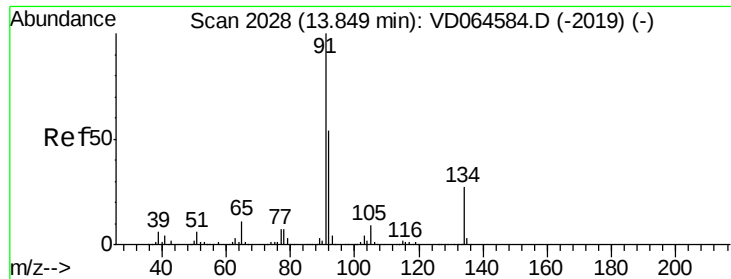
Tot Ion:146 Resp: 466160
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 64.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 51.999 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion:146 Resp: 453792
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.1
 148 64.3 32.3 96.9

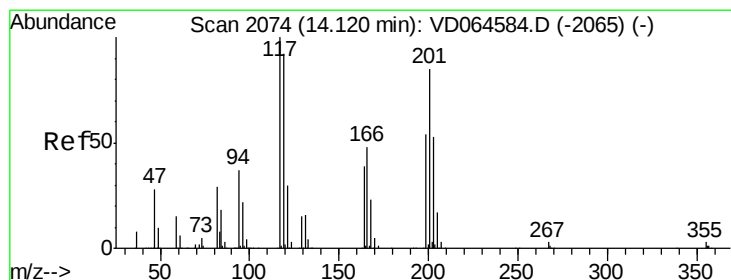
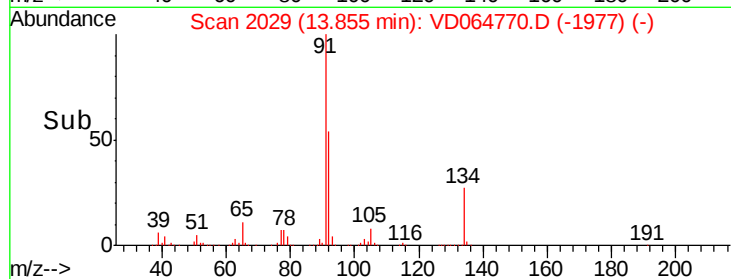
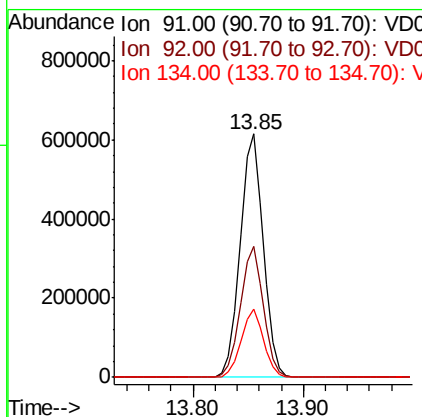
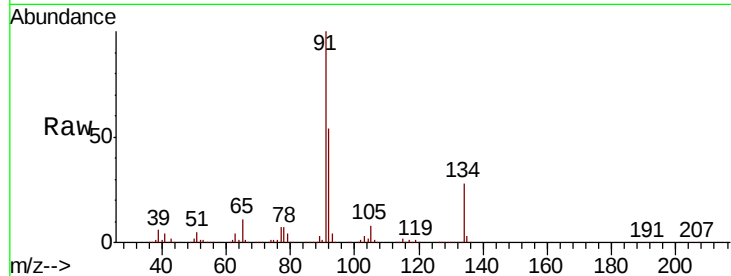




#89
n-Butylbenzene
Concen: 56.684 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

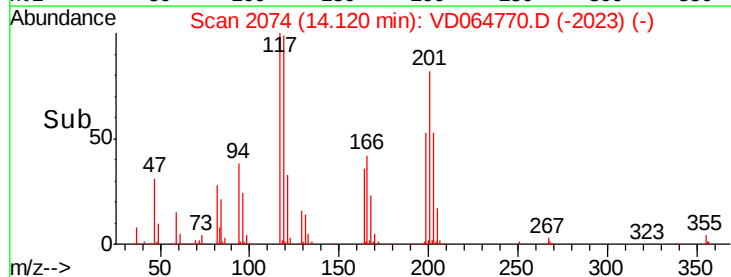
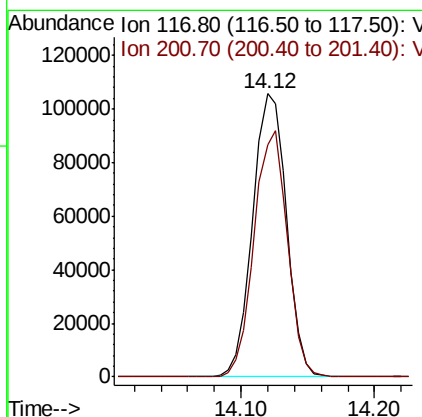
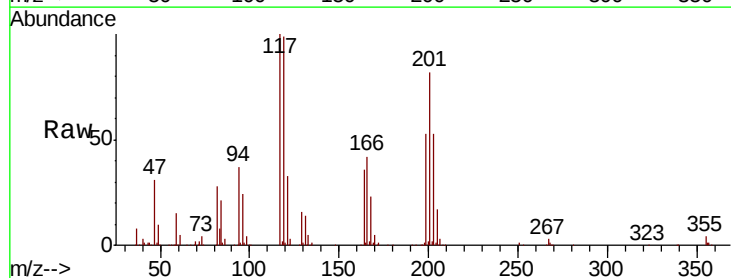
Instrument :
MSVOA_D
ClientSampled :

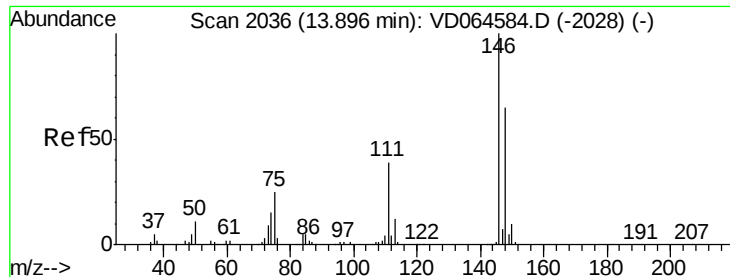
Tot Ion: 91 Resp: 905134
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 54.548 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion: 117 Resp: 184759
Ion Ratio Lower Upper
117 100
201 85.5 44.0 131.8

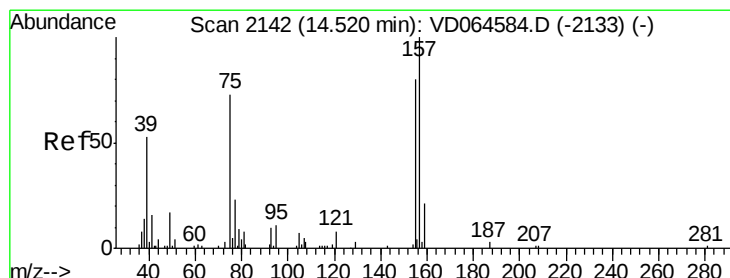
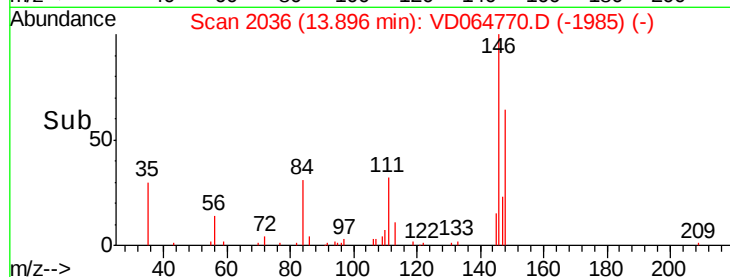
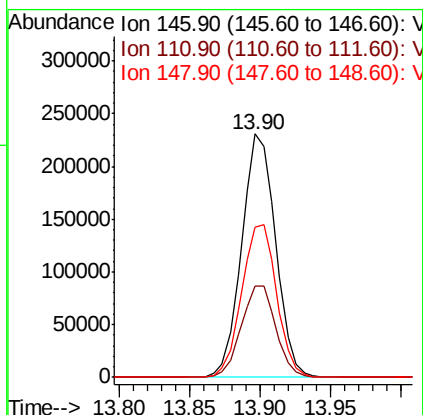
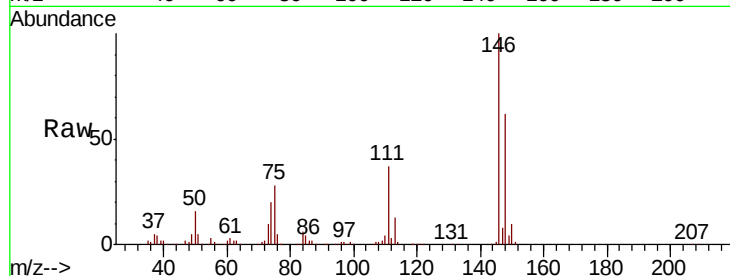




#91
 1,2-Dichlorobenzene
 Concen: 51.342 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

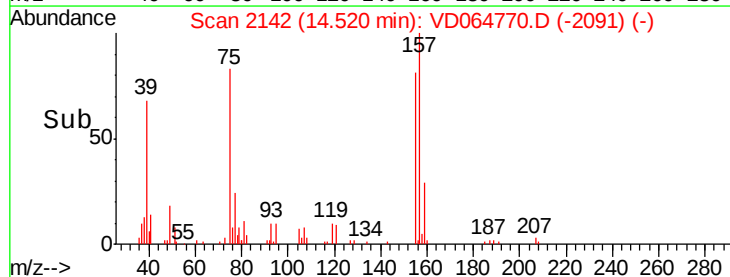
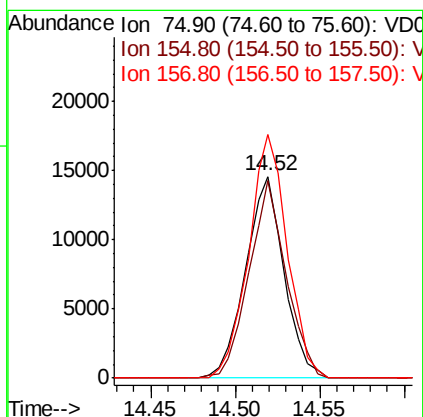
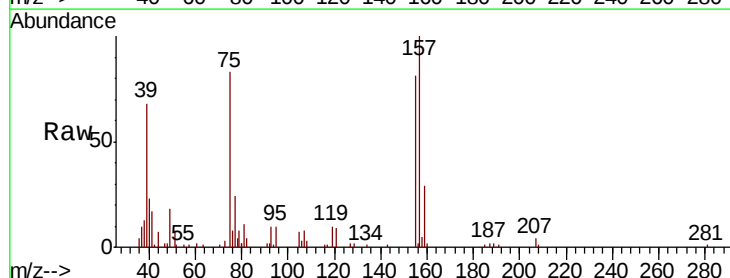
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.806 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	48.0	144.0
157	121.1	64.1	192.3

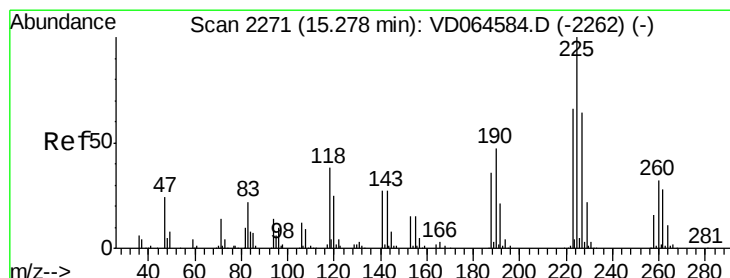
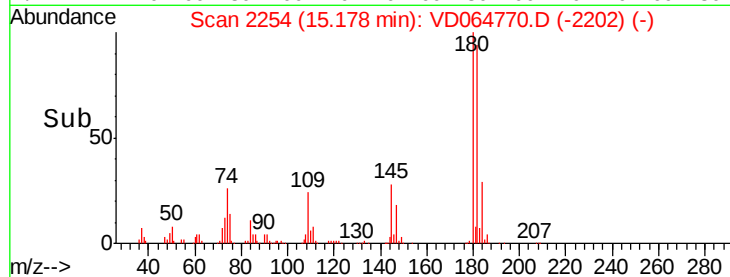
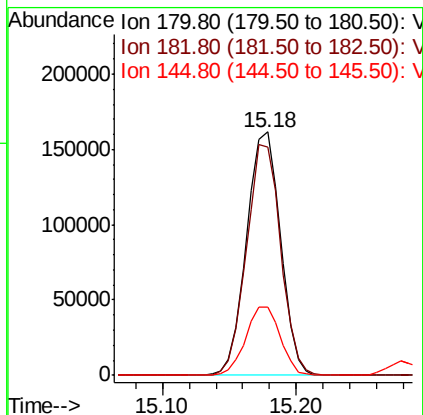
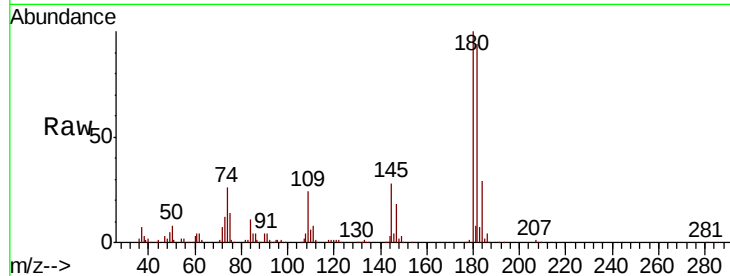




#93
 1,2,4-Trichlorobenzene
 Concen: 50.879 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

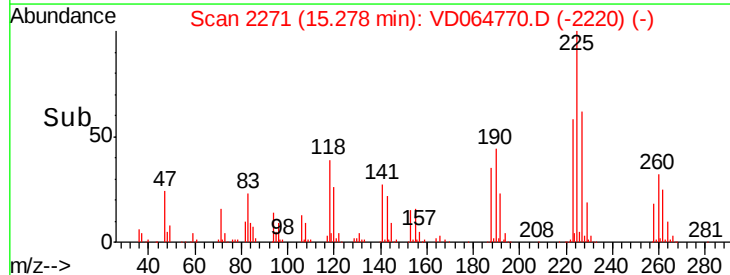
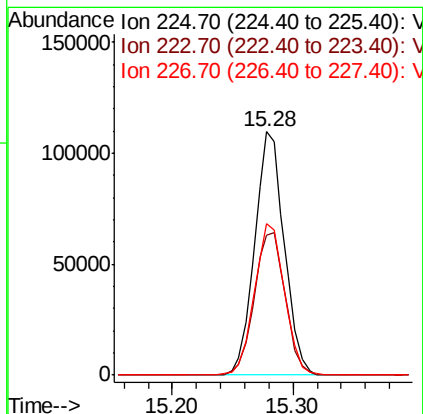
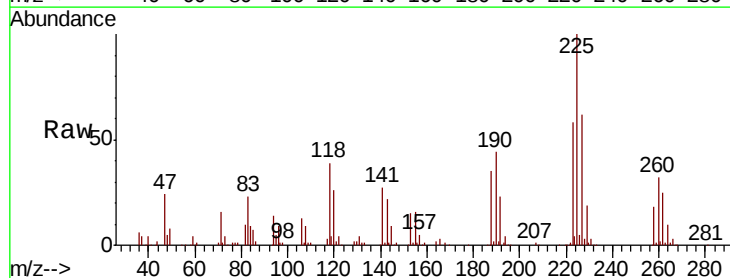
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	28.4	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 53.331 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064770.D
 Acq: 06 Jan 2020 13:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.1	93.2
227	63.2	30.9	92.7

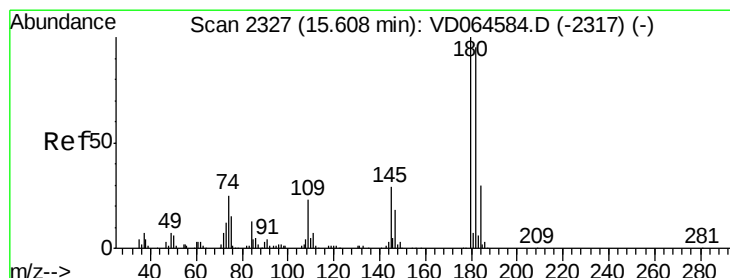
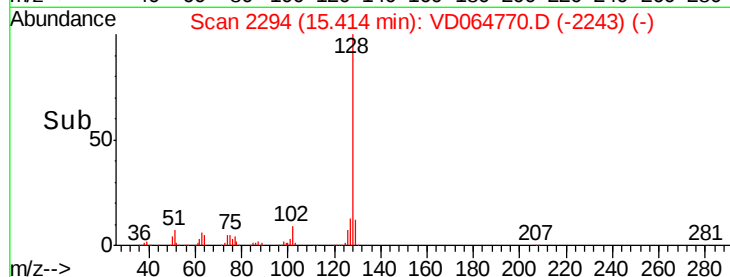
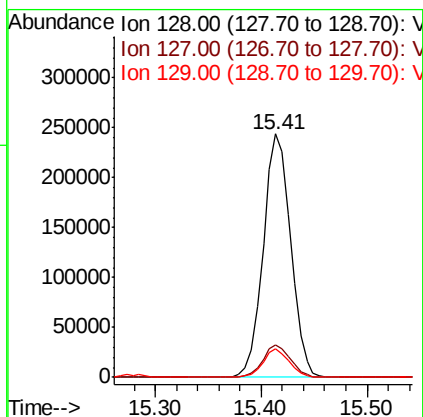
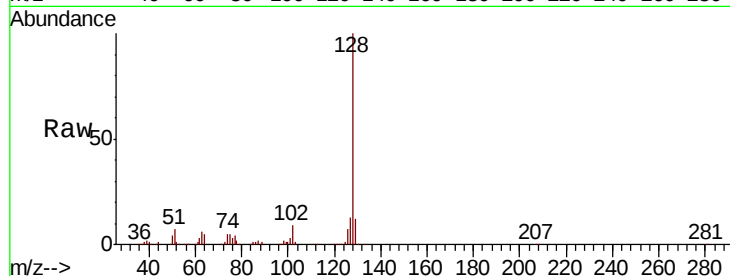




#95
Naphthalene
Concen: 49.784 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 439286
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 49.349 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064770.D
Acq: 06 Jan 2020 13:37

Tgt Ion:180 Resp: 234982
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 30.2 14.9 44.7

