

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064124.D
 Acq On : 30 Oct 2019 20:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:05:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	222342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	343642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	194095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	94563	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.92	113	105912	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	422740	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	146460	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	107328	47.273	ug/l	96
3) Chloromethane	2.21	50	182517	48.182	ug/l	98
4) Vinyl Chloride	2.35	62	195130	47.501	ug/l	96
5) Bromomethane	2.77	94	141430	52.829	ug/l	93
6) Chloroethane	2.92	64	132180	51.806	ug/l	90
7) Trichlorofluoromethane	3.27	101	277669	49.102	ug/l	99
8) Diethyl Ether	3.71	74	49982	50.849	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96223	47.217	ug/l	99
10) Methyl Iodide	4.30	142	140373	55.597	ug/l	100
11) Tert butyl alcohol	5.25	59	24406	240.114	ug/l	95
12) 1,1-Dichloroethene	4.06	96	92988	48.212	ug/l	90
13) Acrolein	3.93	56	22049	195.556	ug/l	93
14) Allyl chloride	4.71	41	119024	52.725	ug/l	99
15) Acrylonitrile	5.43	53	95995	264.386	ug/l	98
16) Acetone	4.16	43	78542	233.441	ug/l	94
17) Carbon Disulfide	4.40	76	305247	51.501	ug/l	98
18) Methyl Acetate	4.73	43	51790	57.868	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	210927	53.894	ug/l	94
20) Methylene Chloride	4.96	84	120106	56.404	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	111494	51.496	ug/l	96
22) Diisopropyl ether	6.37	45	267503	53.506	ug/l	98
23) Vinyl Acetate	6.31	43	747493	272.763	ug/l	98
24) 1,1-Dichloroethane	6.27	63	177436	52.557	ug/l	99
25) 2-Butanone	7.23	43	119041	255.928	ug/l	95
26) 2,2-Dichloropropane	7.21	77	151868	47.396	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	128516	53.048	ug/l	98
28) Bromochloromethane	7.54	49	68424	51.906	ug/l	97
29) Tetrahydrofuran	7.57	42	75414	277.808	ug/l	97
30) Chloroform	7.71	83	206174	53.369	ug/l	93
31) Cyclohexane	7.99	56	151077	45.933	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	184360	51.267	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152011	47.861	ug/l	97
37) Ethyl Acetate	7.30	43	51143	52.314	ug/l #	94
38) Carbon Tetrachloride	8.10	117	162199	46.806	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	187300	48.040	ug/l	93
40) Benzene	8.35	78	443614	51.219	ug/l	98
41) Methacrylonitrile	7.53	41	28630	50.747	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	120207	52.542	ug/l	99
43) Isopropyl Acetate	8.46	43	105469	53.383	ug/l	99
44) Trichloroethene	9.11	130	133334	50.792	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100408	50.023	ug/l	92
46) Dibromomethane	9.48	93	59884	49.537	ug/l	93
47) Bromodichloromethane	9.67	83	161885	53.082	ug/l	95
48) Methyl methacrylate	9.46	41	48782	53.393	ug/l	99
49) 1,4-Dioxane	9.47	88	15090	1090.497	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	291019	270.571	ug/l	100
52) Toluene	10.41	92	312355	51.461	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	152426	53.542	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	178675	53.347	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	90645	52.887	ug/l	96
56) Ethyl methacrylate	10.67	69	103875	49.871	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147986	52.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	217466	289.611	ug/l	99
59) 2-Hexanone	10.99	43	202269	240.266	ug/l	99
60) Dibromochloromethane	11.14	129	123437	53.061	ug/l	99
61) 1,2-Dibromoethane	11.25	107	91295	53.257	ug/l	94
64) Tetrachloroethene	10.88	164	123693	50.104	ug/l	93
65) Chlorobenzene	11.67	112	358703	50.518	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	135160	50.872	ug/l	98
67) Ethyl Benzene	11.75	91	636584	50.406	ug/l	96
68) m/p-Xylenes	11.86	106	514565	101.296	ug/l	99
69) o-Xylene	12.18	106	242202	52.244	ug/l	98
70) Styrene	12.20	104	423522	52.969	ug/l	99
71) Bromoform	12.36	173	75146	52.959	ug/l #	98
73) Isopropylbenzene	12.48	105	656395	48.666	ug/l	98
74) N-amyl acetate	12.29	43	116545	52.013	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	105778	49.756	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	129720	99.463	ug/l #	100
77) Bromobenzene	12.77	156	163206	50.117	ug/l	97
78) n-propylbenzene	12.83	91	755909	47.824	ug/l	98
79) 2-Chlorotoluene	12.91	91	418789	49.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	565204	50.071	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31677	49.603	ug/l	96
82) 4-Chlorotoluene	13.01	91	453617	50.104	ug/l	99
83) tert-Butylbenzene	13.23	119	495920	48.913	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	573804	50.602	ug/l	100
85) sec-Butylbenzene	13.41	105	683666	49.102	ug/l	99
86) p-Isopropyltoluene	13.52	119	660334	50.476	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337760	51.756	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	321583	49.988	ug/l	100
89) n-Butylbenzene	13.85	91	594248	49.249	ug/l	98
90) Hexachloroethane	14.11	117	121065	49.429	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	287234	51.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16459	53.010	ug/l	91

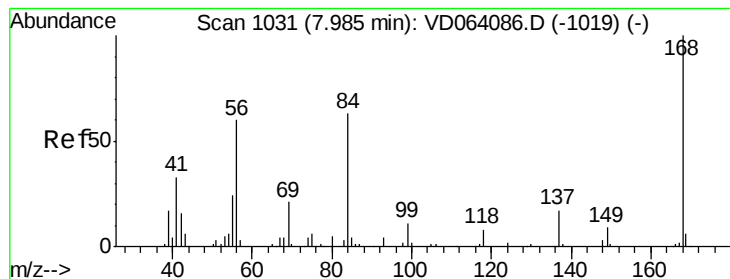
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	204985	50.775	ug/l	96
94) Hexachlorobutadiene	15.28	225	118102	50.054	ug/l	99
95) Naphthalene	15.41	128	346144	52.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173487	49.612	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

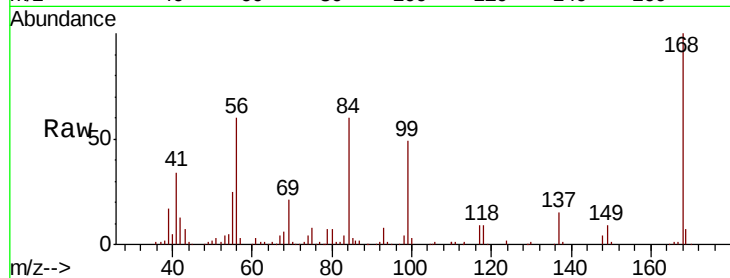
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 222342

Ion Ratio Lower Upper

168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

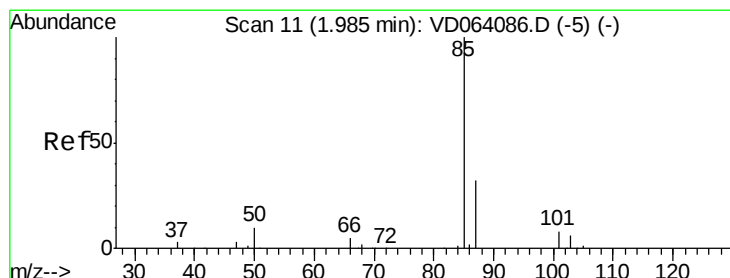
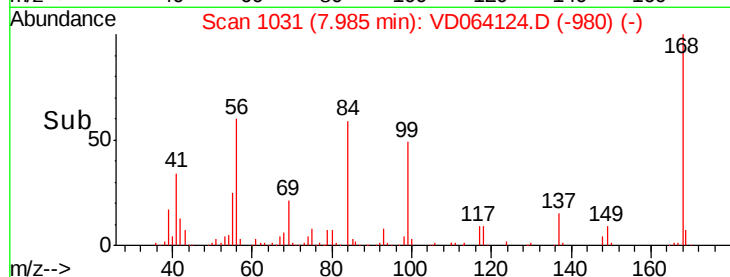
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.273 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064124.D

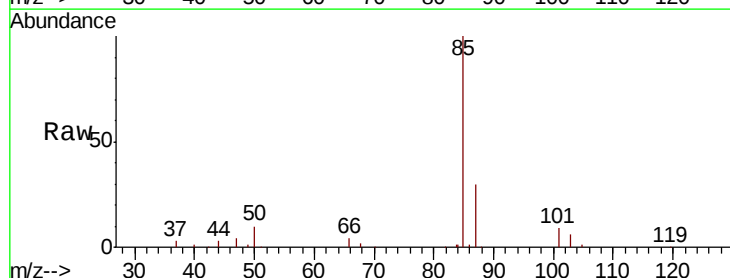
Acq: 30 Oct 2019 20:46

Tgt Ion: 85 Resp: 107328

Ion Ratio Lower Upper

85 100

87 29.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

40000

20000

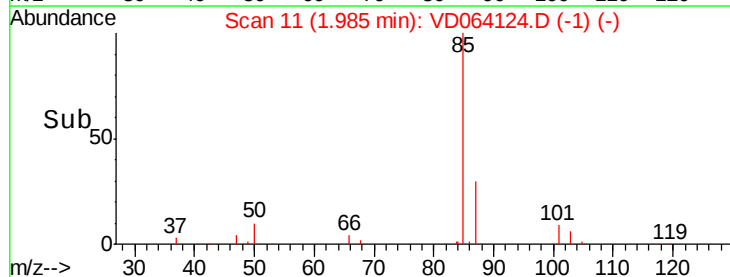
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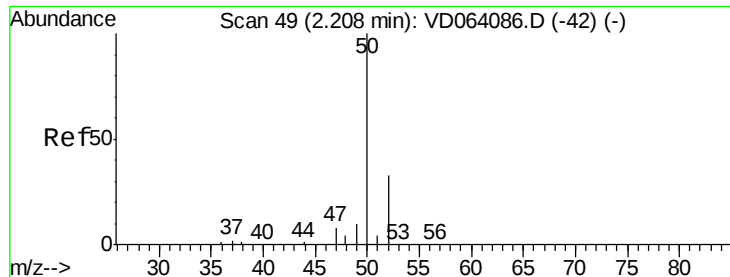
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 48.182 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

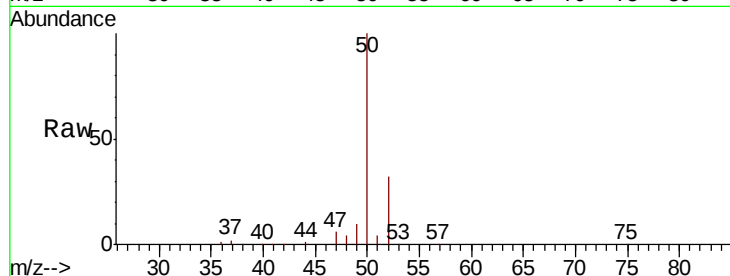
ClientSampleId :

Tot Ion: 50 Resp: 182517

Ion Ratio Lower Upper

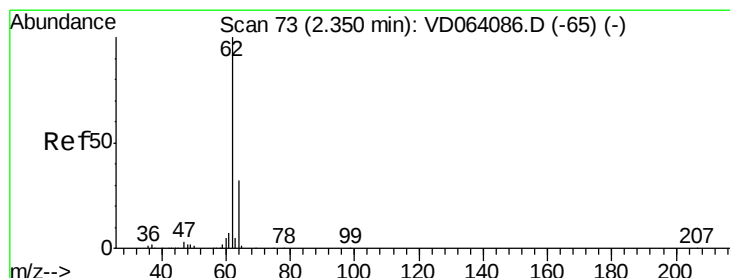
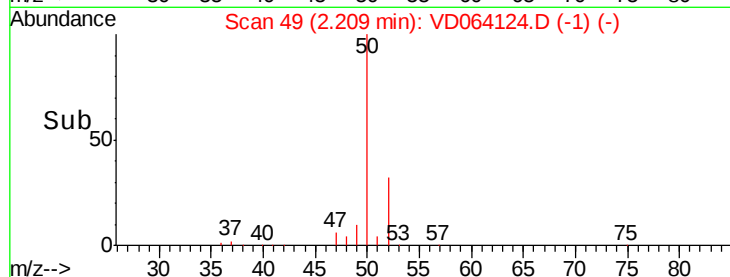
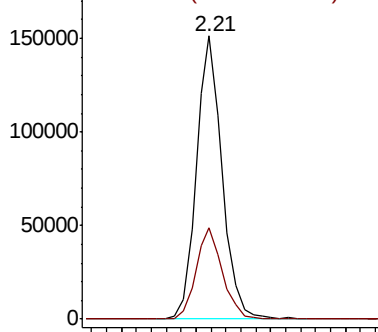
50 100

52 32.2 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: 47.501 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064124.D

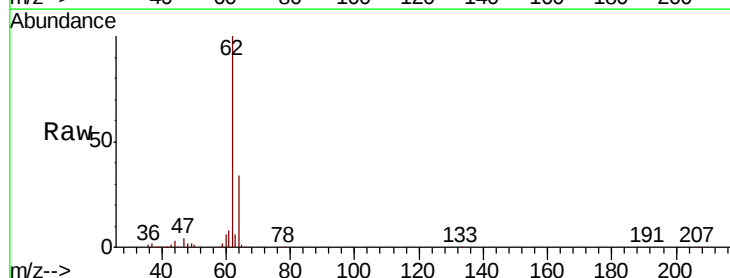
Acq: 30 Oct 2019 20:46

Tgt Ion: 62 Resp: 195130

Ion Ratio Lower Upper

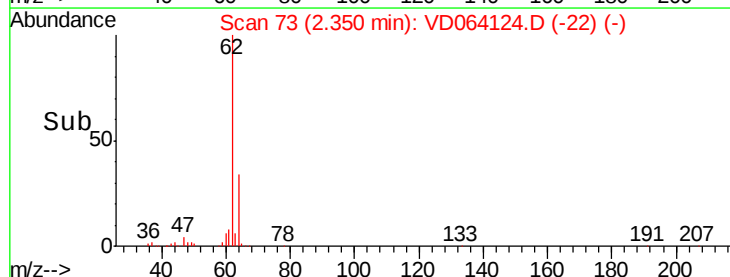
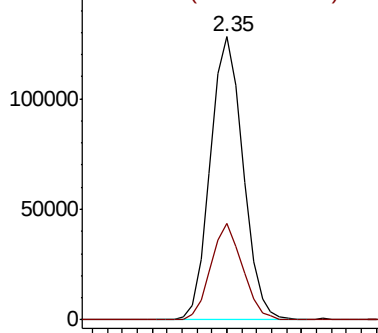
62 100

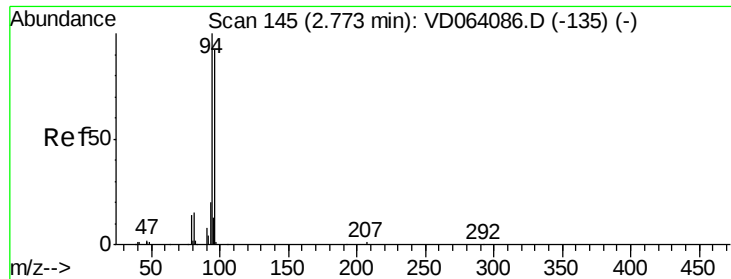
64 34.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.829 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

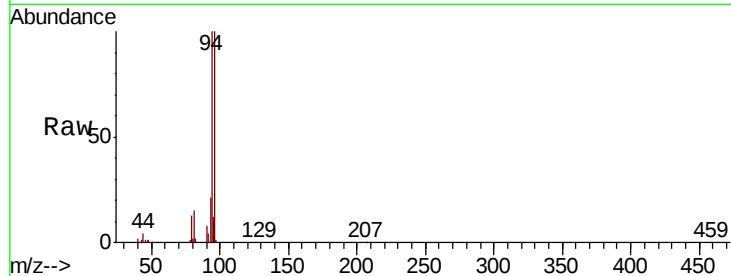
ClientSampleId :

Tot Ion: 94 Resp: 141430

Ion Ratio Lower Upper

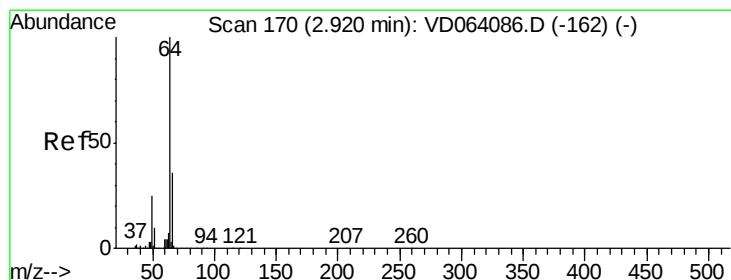
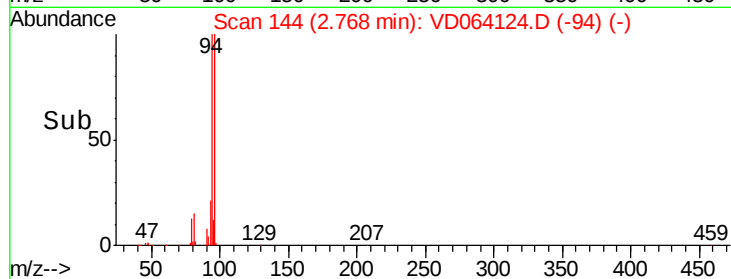
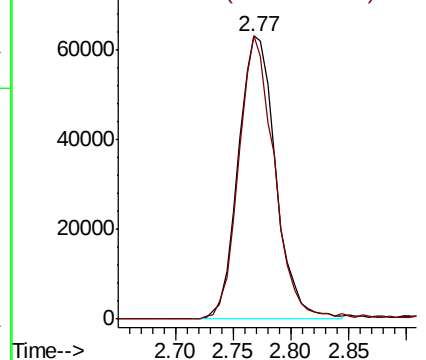
94 100

96 99.5 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.806 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064124.D

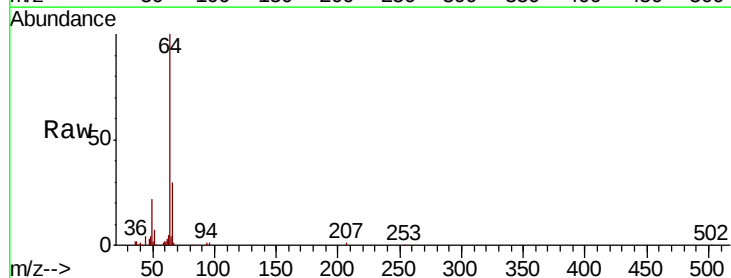
Acq: 30 Oct 2019 20:46

Tgt Ion: 64 Resp: 132180

Ion Ratio Lower Upper

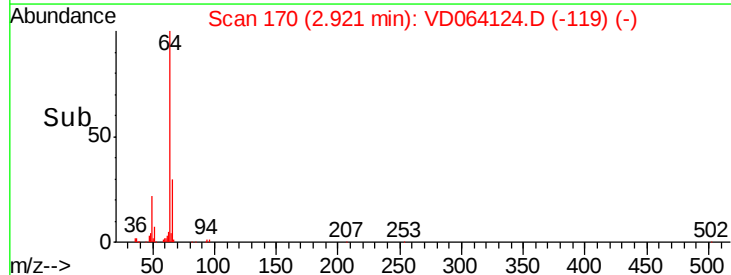
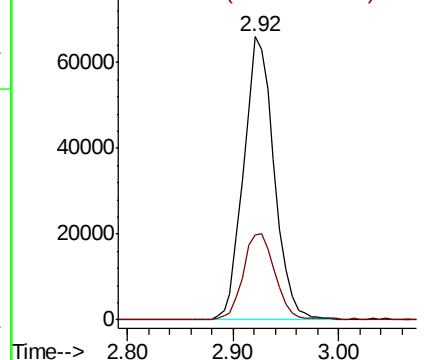
64 100

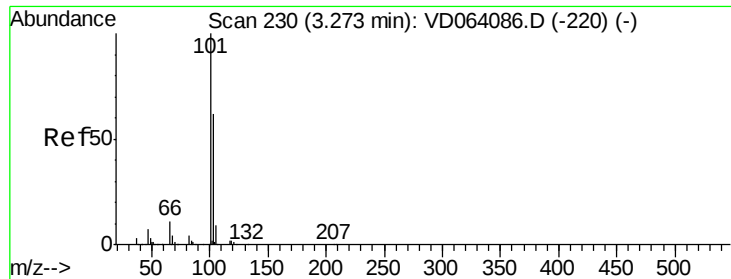
66 30.0 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



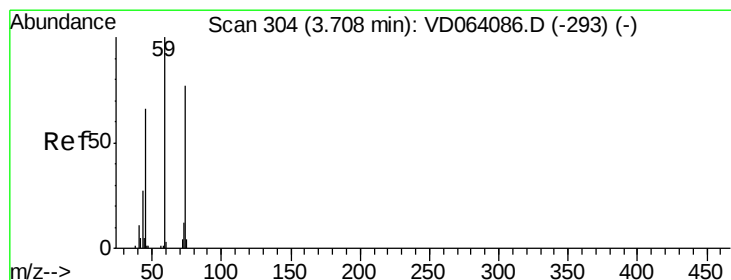
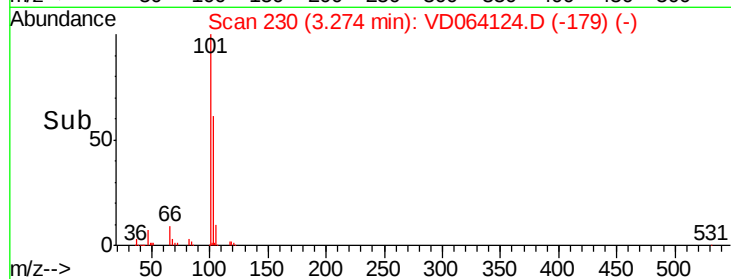
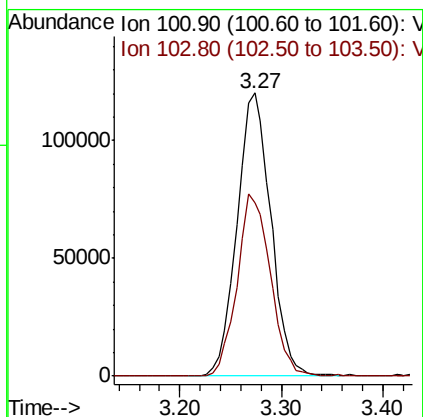
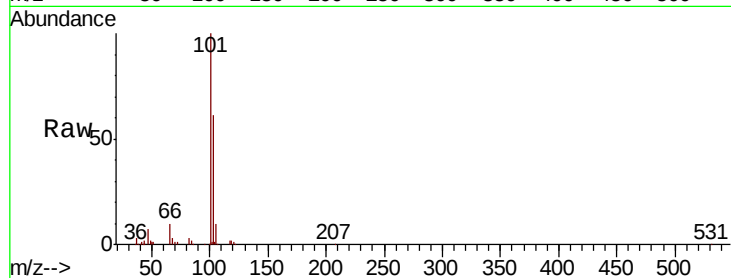


#7

Trichlorofluoromethane
 Concen: 49.102 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :

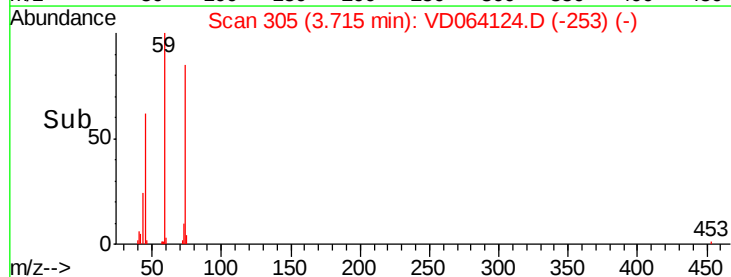
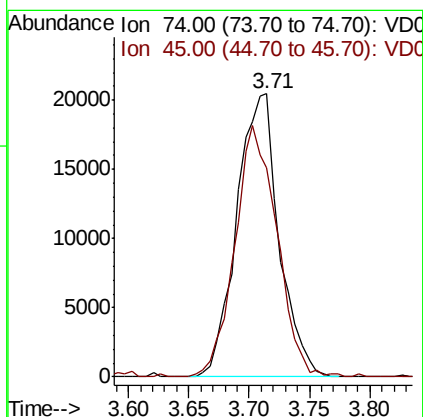
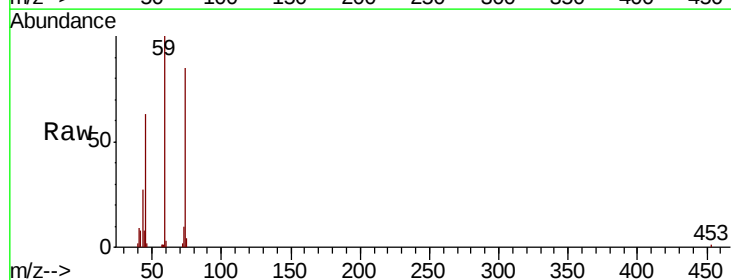
Tot Ion:101 Resp: 277669
 Ion Ratio Lower Upper
 101 100
 103 61.1 49.6 74.4

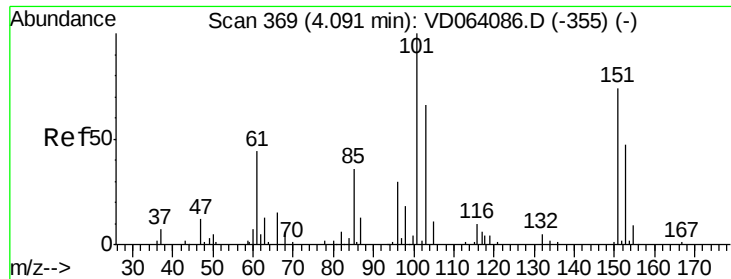


#8

Diethyl Ether
 Concen: 50.849 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 74 Resp: 49982
 Ion Ratio Lower Upper
 74 100
 45 88.4 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.217 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

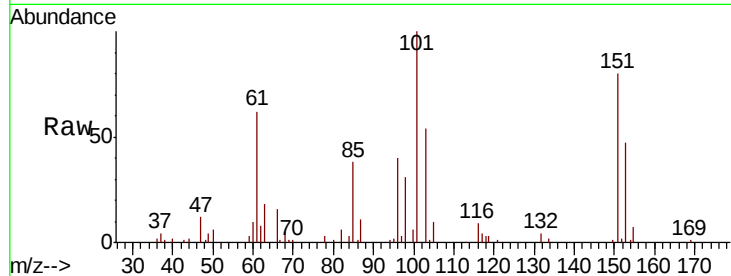
Tot Ion:101 Resp: 96223

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

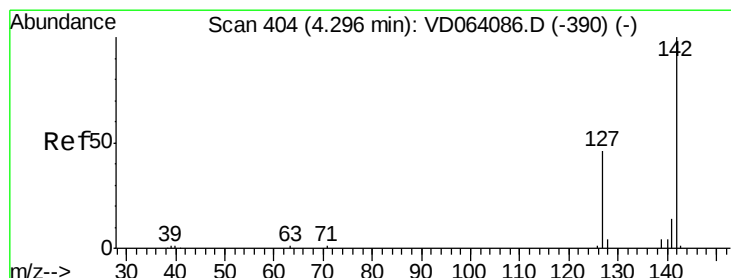
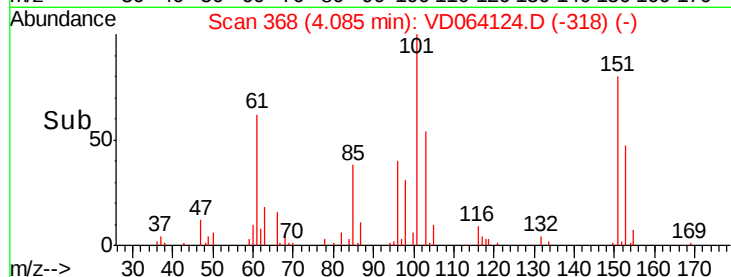
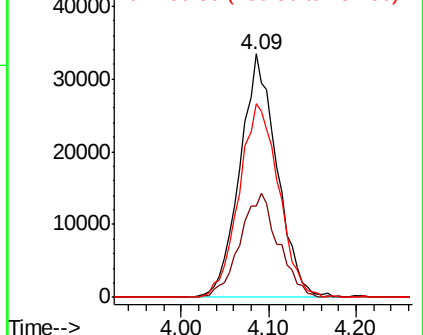
151 85.4 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.597 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

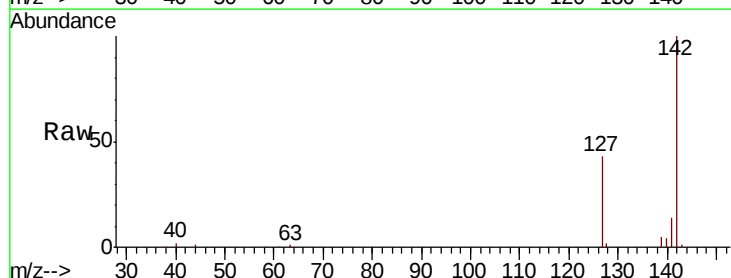
Tgt Ion:142 Resp: 140373

Ion Ratio Lower Upper

142 100

127 44.1 35.1 52.7

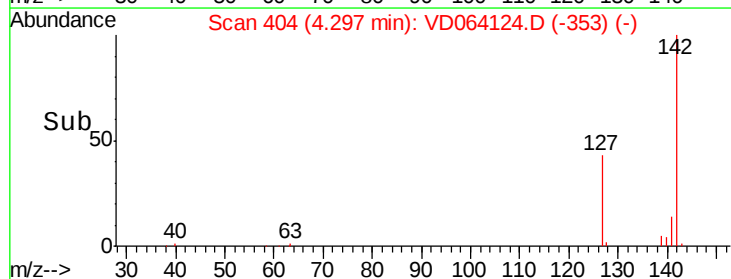
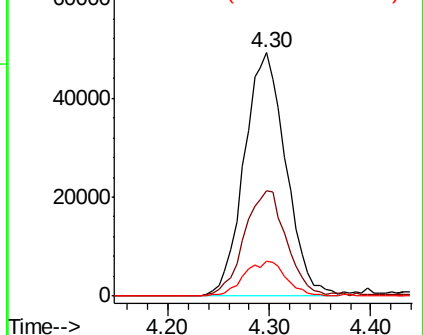
141 14.5 11.6 17.4

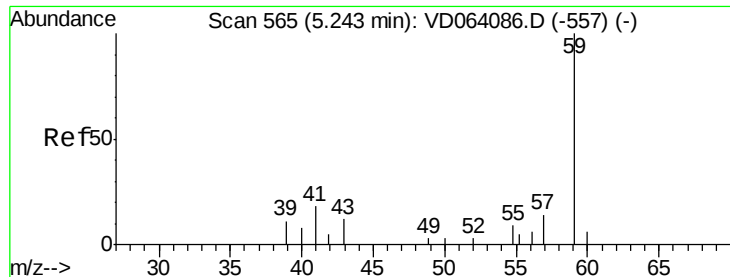


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

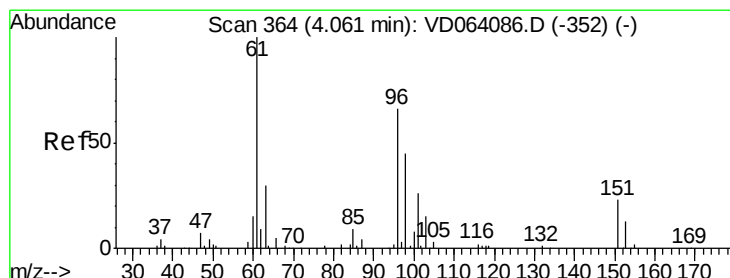
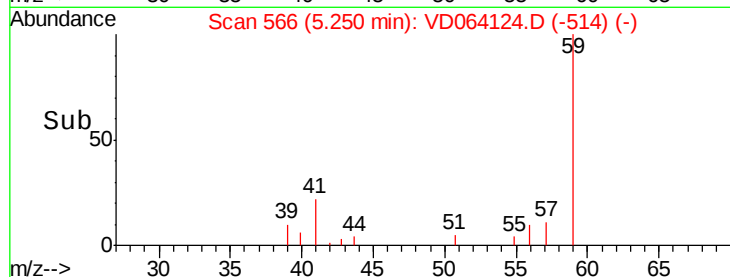
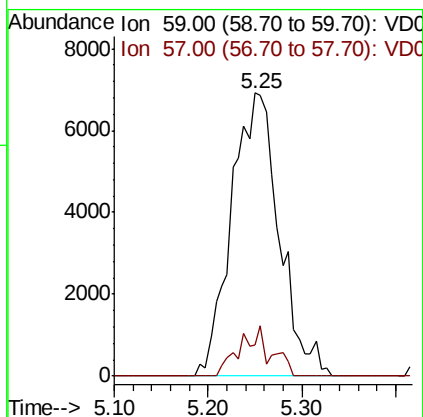
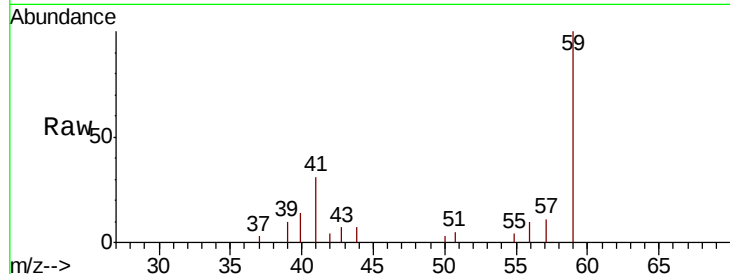




#11
Tert butyl alcohol
Concen: 240.114 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

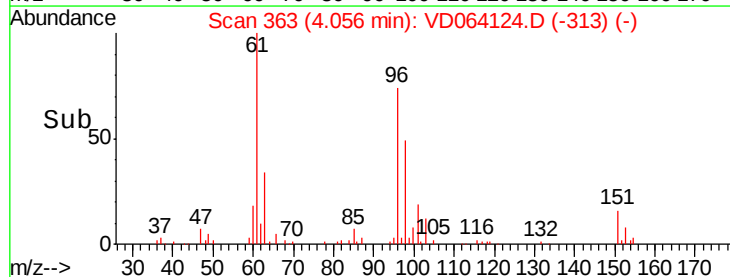
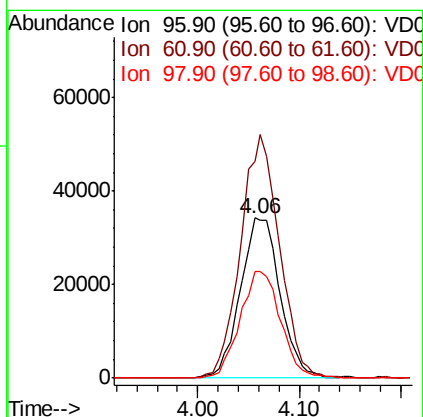
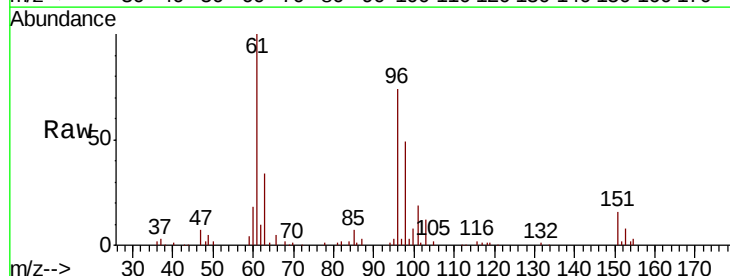
Instrument :
MSVOA_D
ClientSampleId :

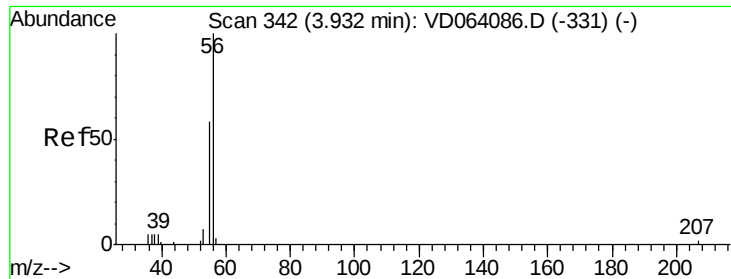
Tot Ion: 59 Resp: 24406
Ion Ratio Lower Upper
59 100
57 9.1 8.7 13.1



#12
1,1-Dichloroethene
Concen: 48.212 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 96 Resp: 92988
Ion Ratio Lower Upper
96 100
61 135.7 121.8 182.6
98 67.0 55.4 83.0





#13

Acrolein

Concen: 195.556 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

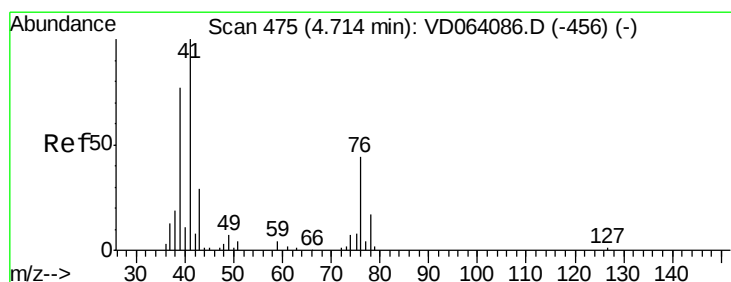
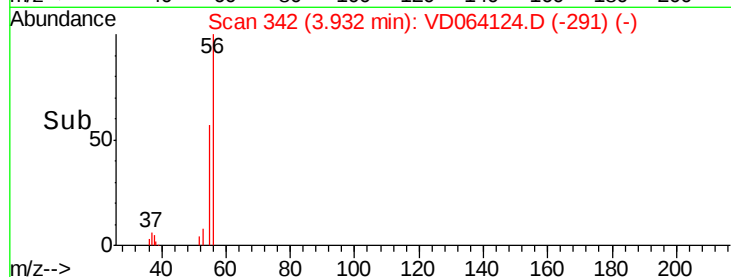
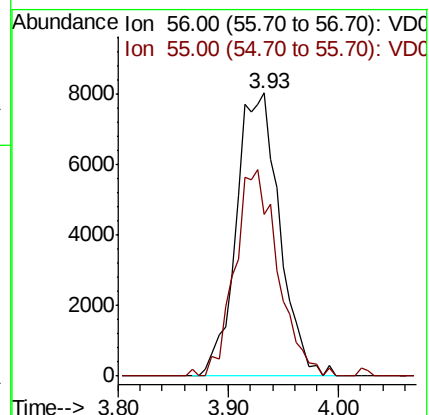
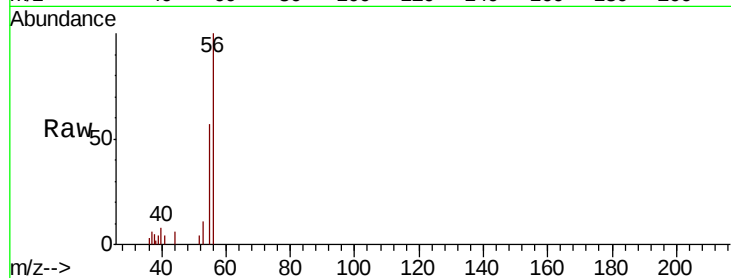
ClientSampleId :

Tot Ion: 56 Resp: 22049

Ion Ratio Lower Upper

56 100

55 72.7 53.8 80.6



#14

Allyl chloride

Concen: 52.725 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

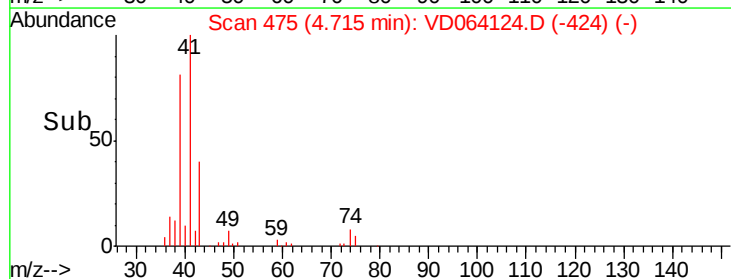
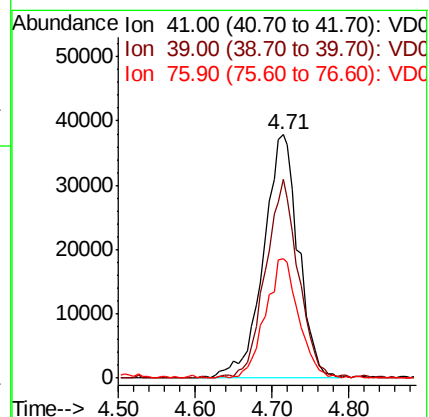
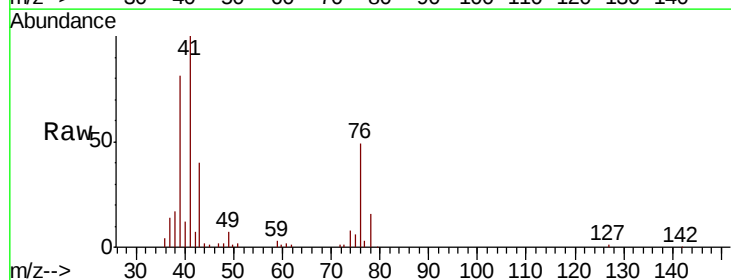
Tgt Ion: 41 Resp: 119024

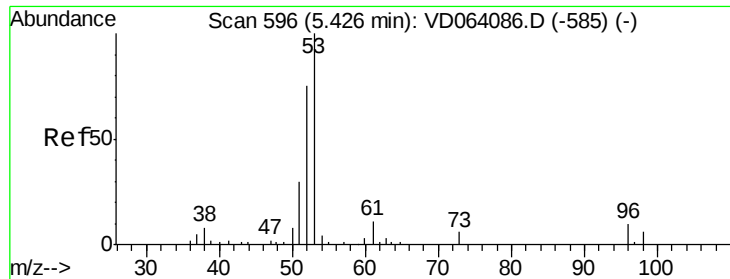
Ion Ratio Lower Upper

41 100

39 77.4 61.5 92.3

76 46.6 36.2 54.4





#15

Acrylonitrile

Concen: 264.386 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

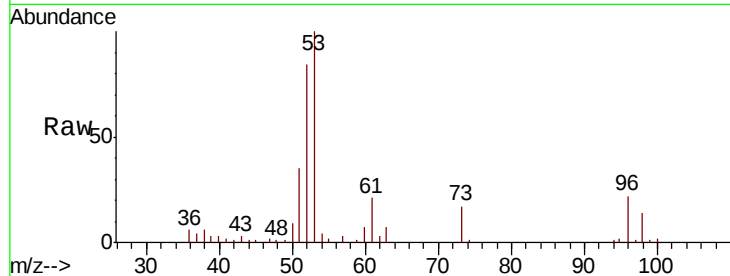
Tot Ion: 53 Resp: 95995

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.4

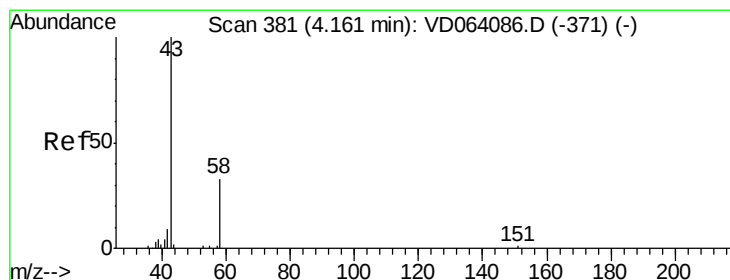
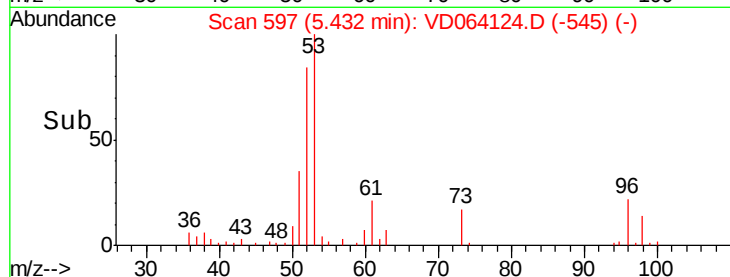
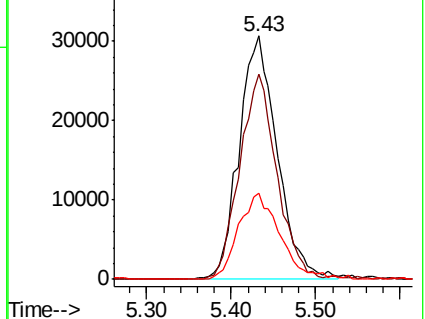
51 38.5 29.0 43.6



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: 233.441 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD064124.D

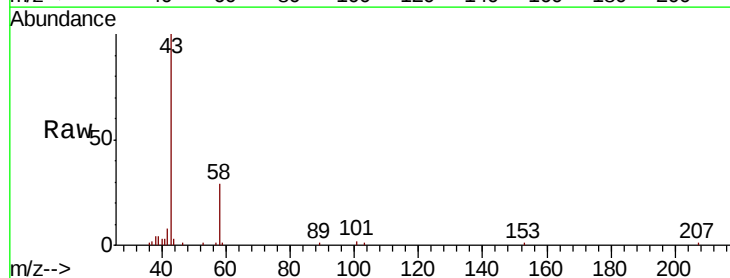
Acq: 30 Oct 2019 20:46

Tgt Ion: 43 Resp: 78542

Ion Ratio Lower Upper

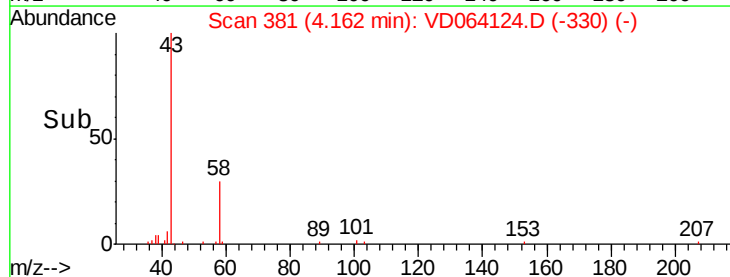
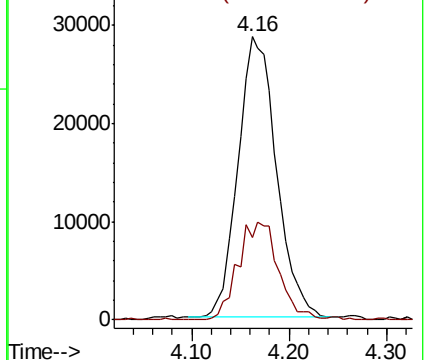
43 100

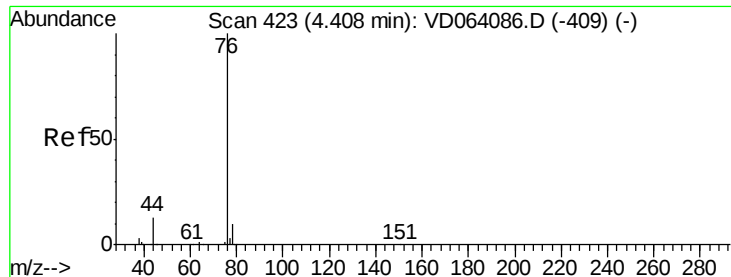
58 29.5 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

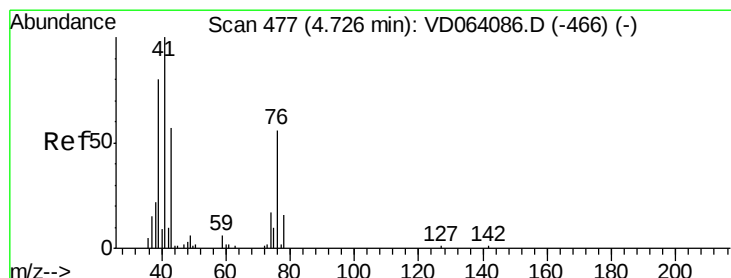
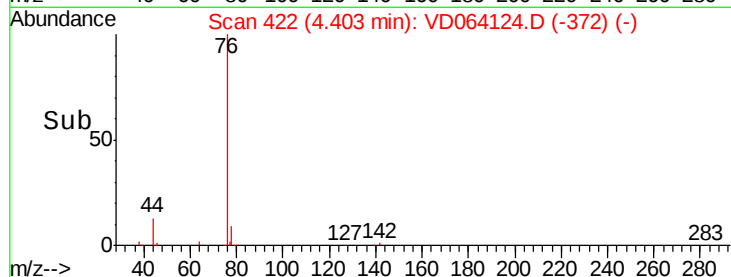
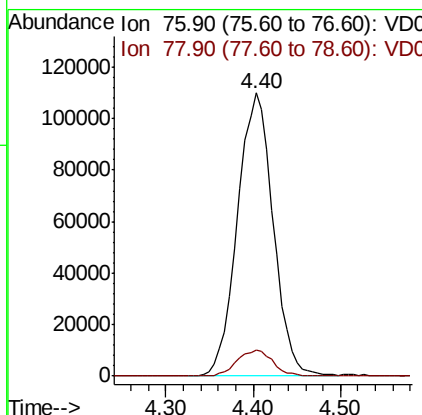
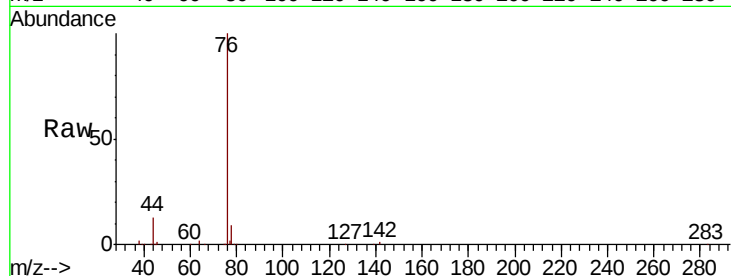




#17
Carbon Disulfide
Concen: 51.501 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

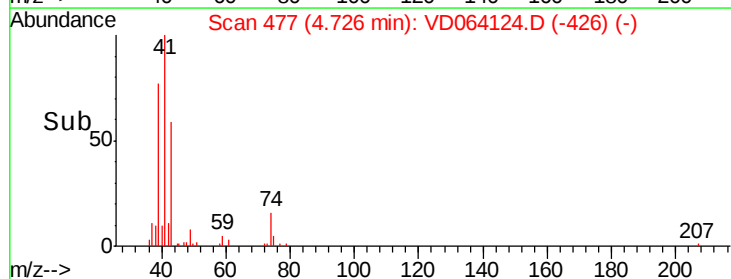
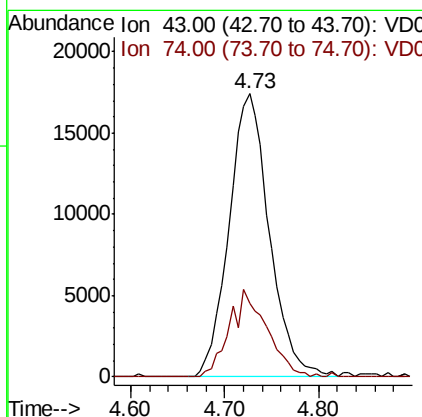
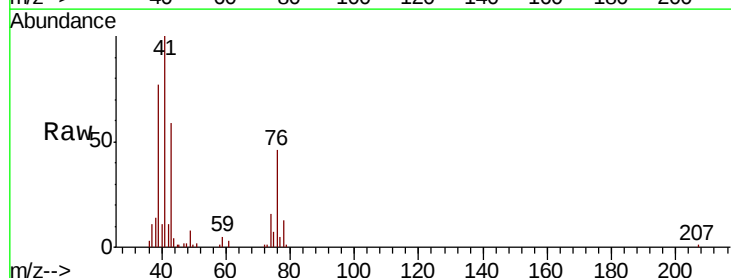
Instrument :
MSVOA_D
ClientSampleId :

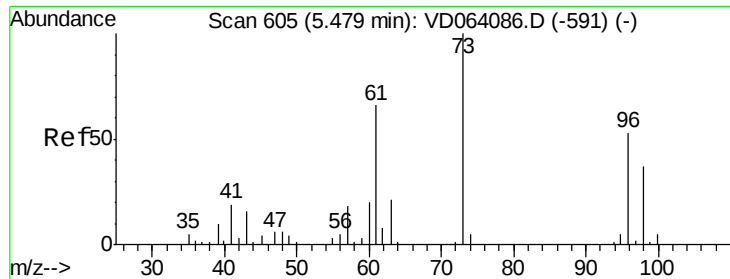
Tot Ion: 76 Resp: 305247
Ion Ratio Lower Upper
76 100
78 9.2 8.1 12.1



#18
Methyl Acetate
Concen: 57.868 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 43 Resp: 51790
Ion Ratio Lower Upper
43 100
74 28.7 22.2 33.4

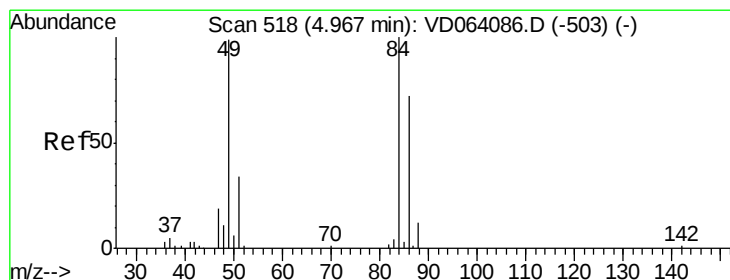
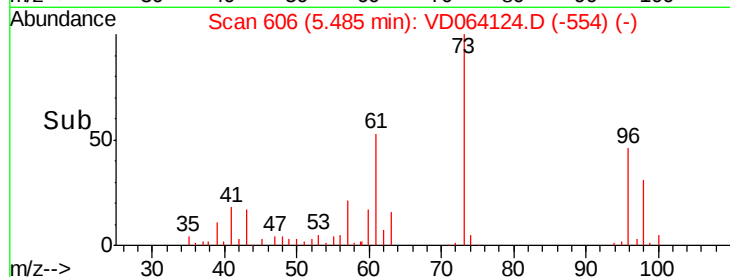
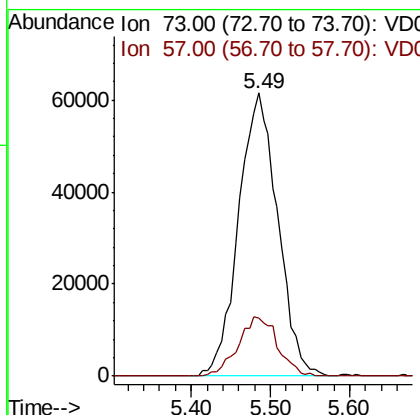
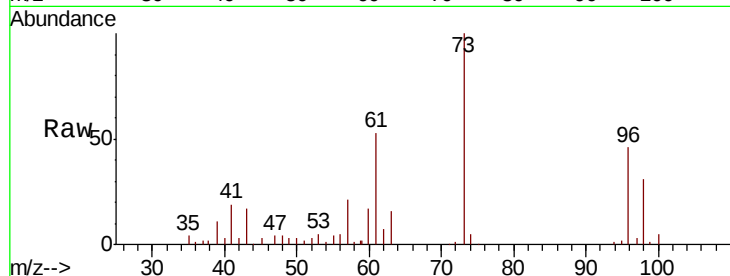




#19
Methvl tert-butvl Ether
Concen: 53.894 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

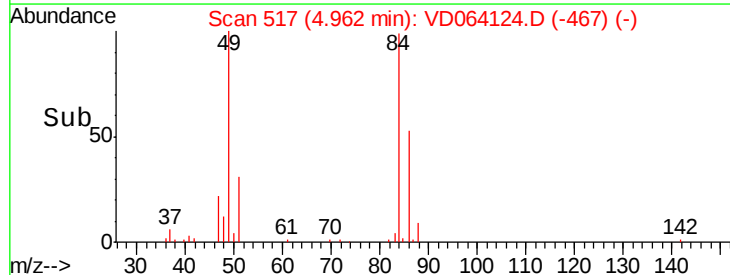
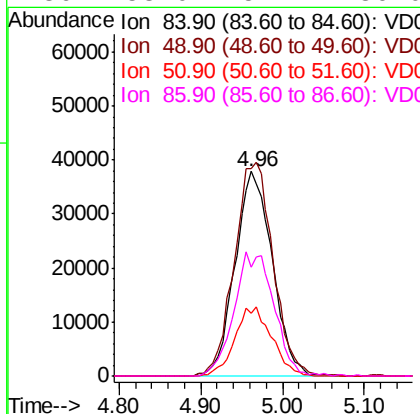
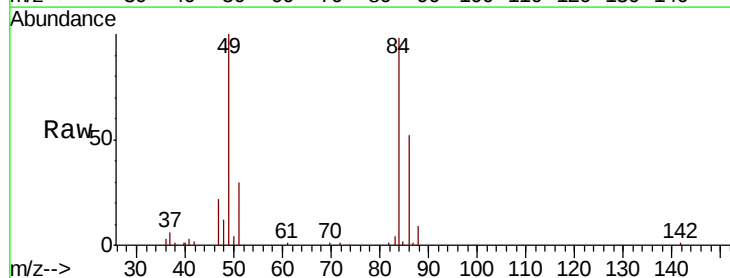
Instrument :
MSVOA_D
ClientSampleId :

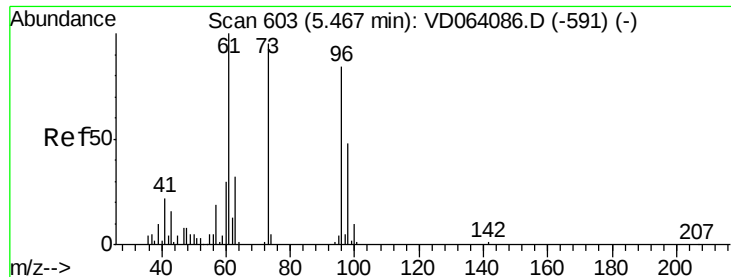
Tot Ion: 73 Resp: 210927
Ion Ratio Lower Upper
73 100
57 20.7 14.3 21.5



#20
Methylene Chloride
Concen: 56.404 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 84 Resp: 120106
Ion Ratio Lower Upper
84 100
49 101.6 79.4 119.0
51 30.9 27.4 41.2
86 53.0 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 51.496 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampled :

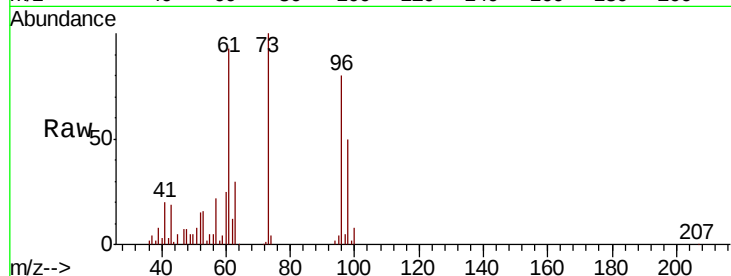
Tot Ion: 96 Resp: 111494

Ion Ratio Lower Upper

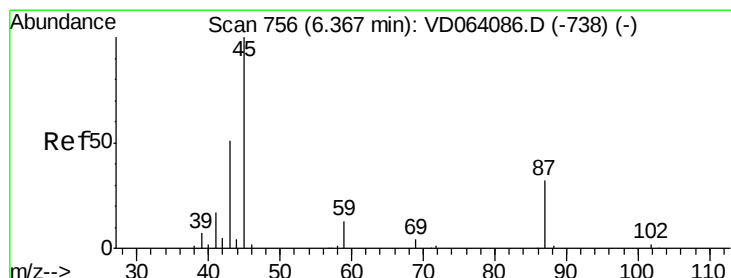
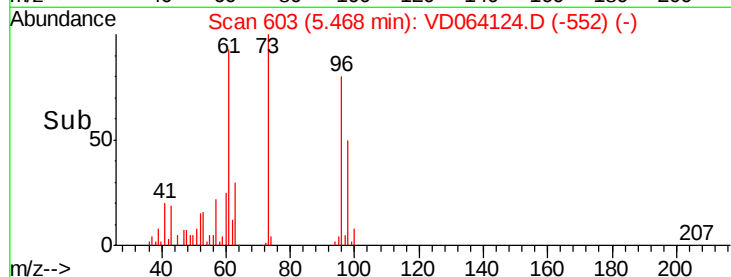
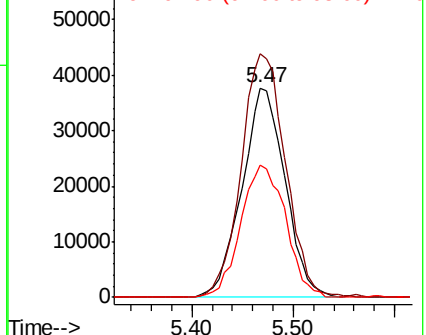
96 100

61 116.4 95.0 142.6

98 63.0 45.8 68.8



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



#22

Diisopropyl ether

Concen: 53.506 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion: 45 Resp: 267503

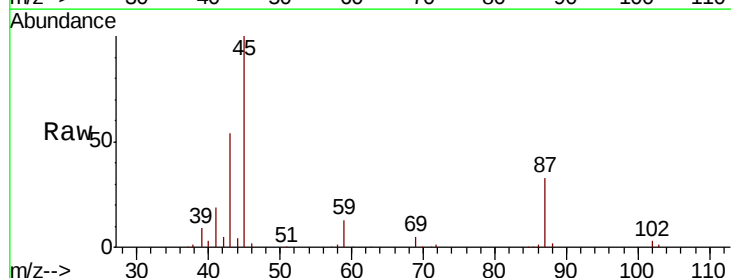
Ion Ratio Lower Upper

45 100

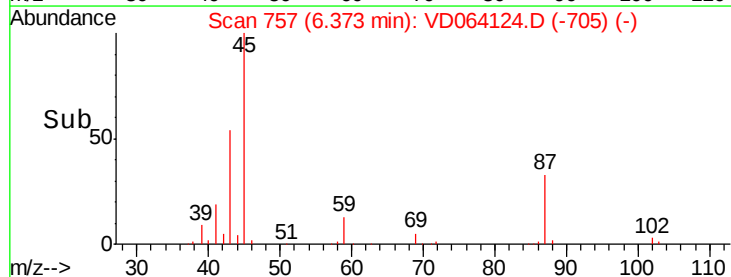
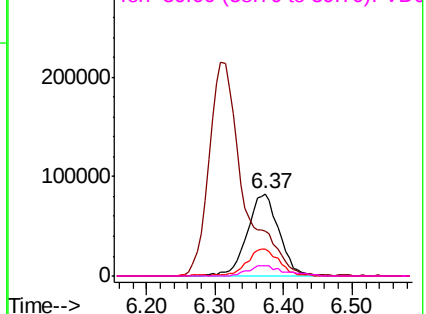
43 53.1 44.3 66.5

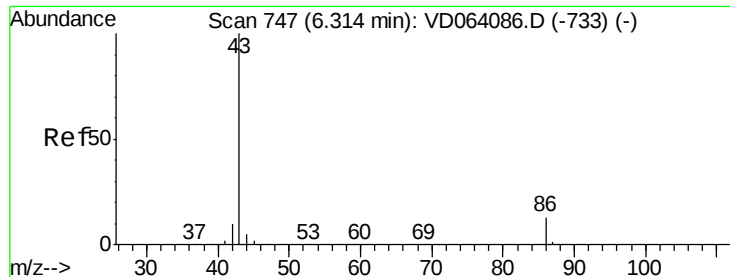
87 32.5 26.6 39.8

59 12.7 10.2 15.2



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





#23

Vinyl Acetate

Concen: 272.763 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

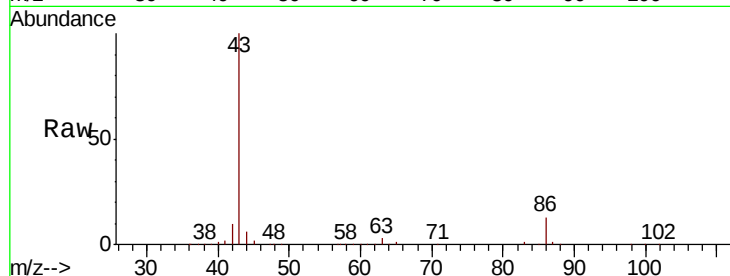
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 747493

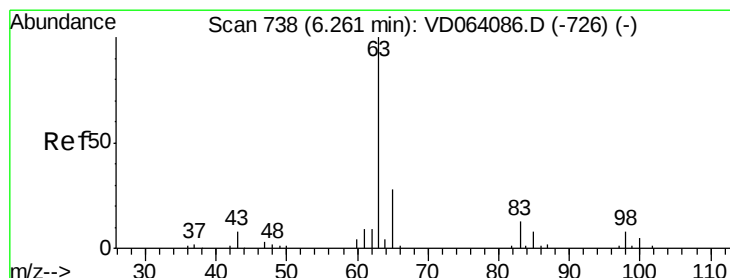
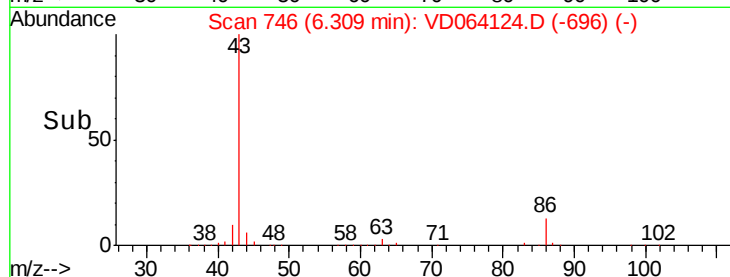
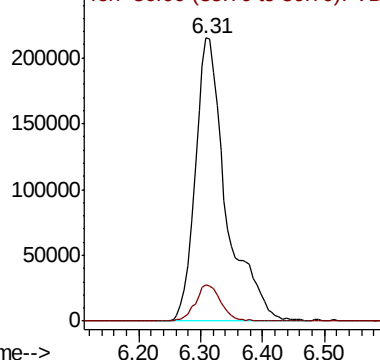
Ion Ratio Lower Upper

43 100

86 12.7 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.557 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

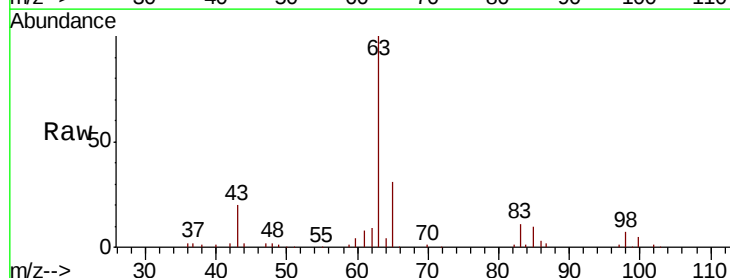
Tgt Ion: 63 Resp: 177436

Ion Ratio Lower Upper

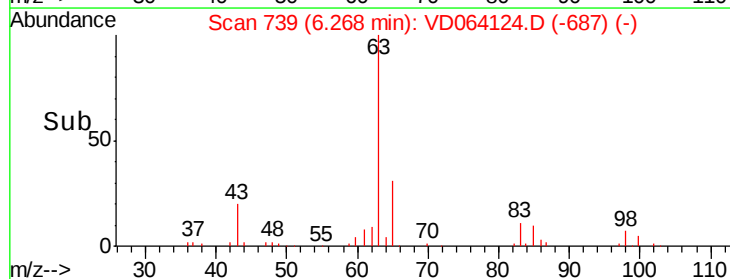
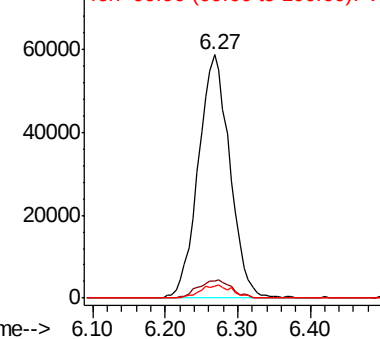
63 100

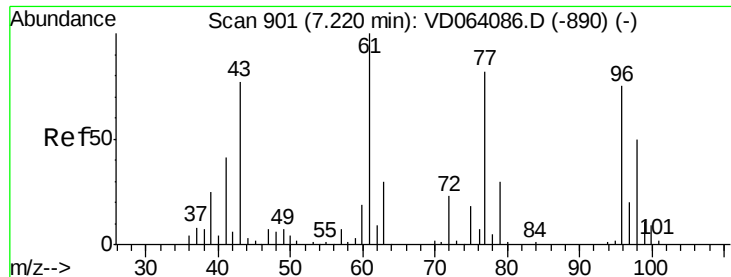
98 7.2 4.0 11.9

100 5.1 2.6 7.8



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: 255.928 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

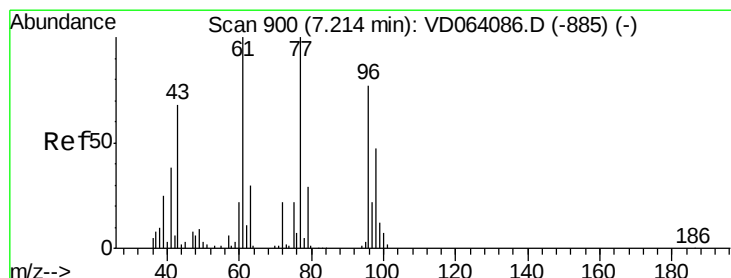
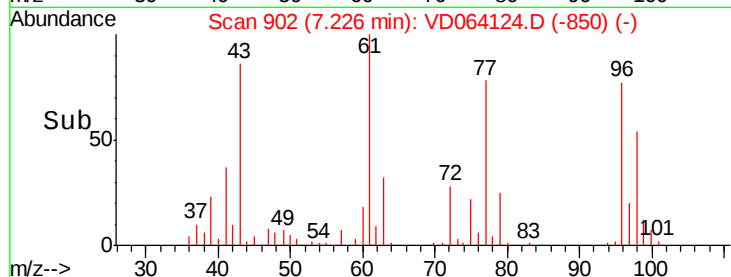
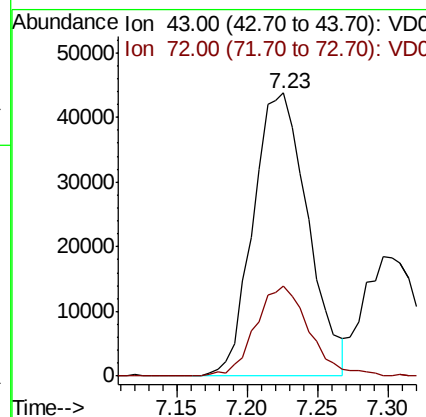
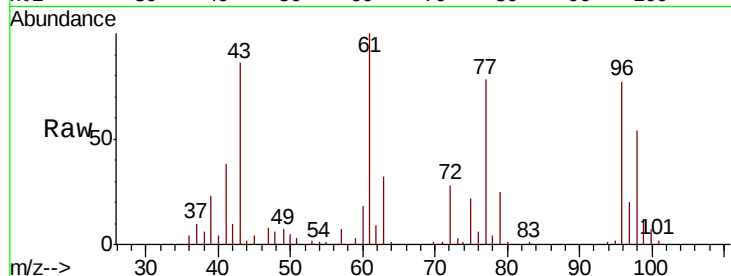
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 119041

Ion Ratio Lower Upper

43 100

72 31.9 23.4 35.0



#26

2,2-Dichloropropane

Concen: 47.396 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064124.D

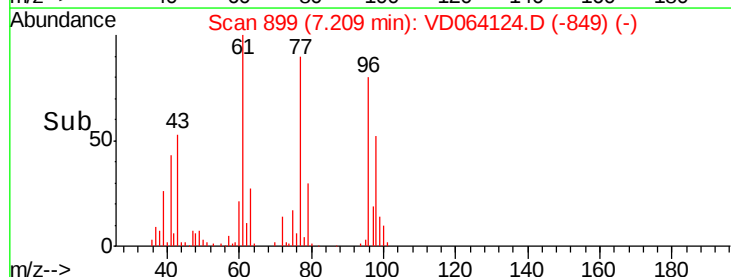
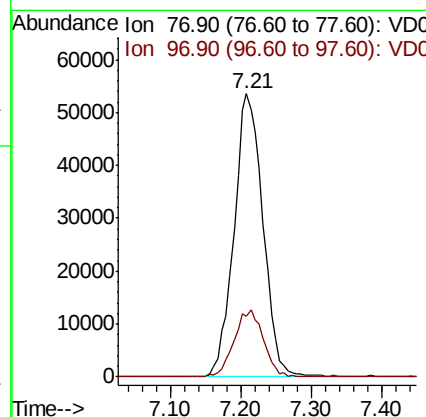
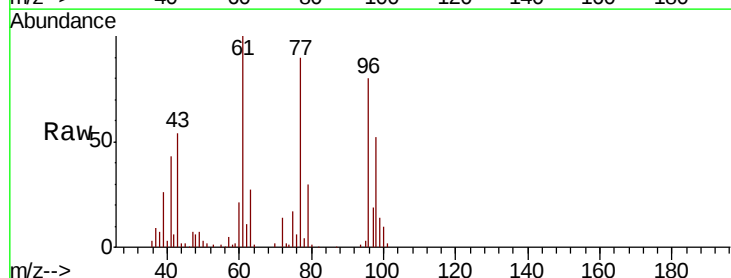
Acq: 30 Oct 2019 20:46

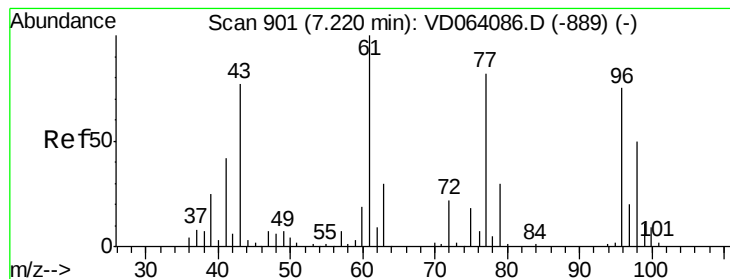
Tgt Ion: 77 Resp: 151868

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.5



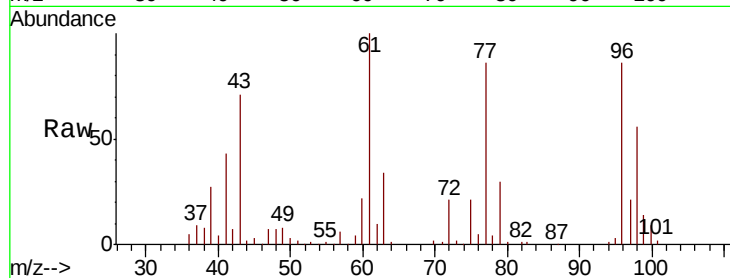


#27

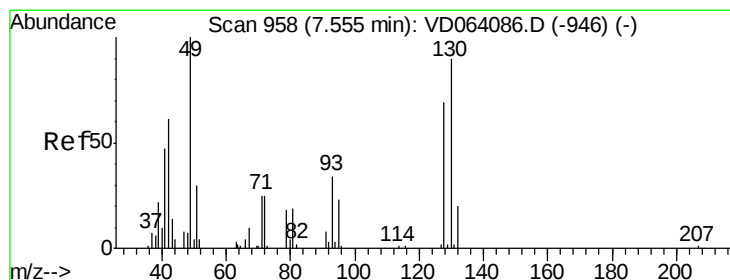
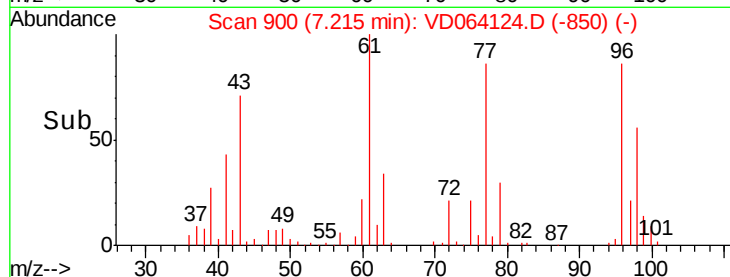
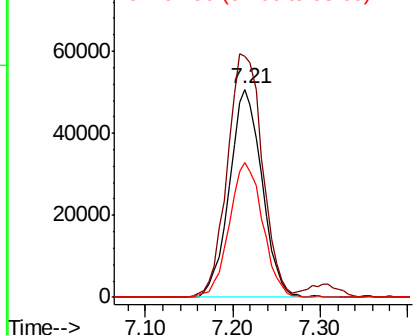
cis-1,2-Dichloroethene
 Concen: 53.048 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 128516
 Ion Ratio Lower Upper
 96 100
 61 125.5 0.0 258.0
 98 66.0 0.0 130.8



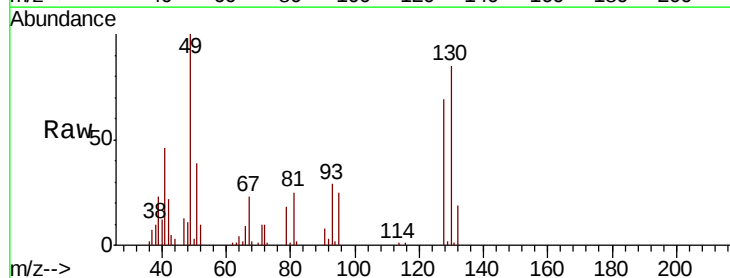
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



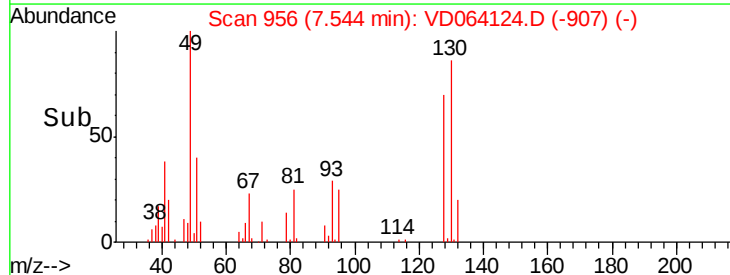
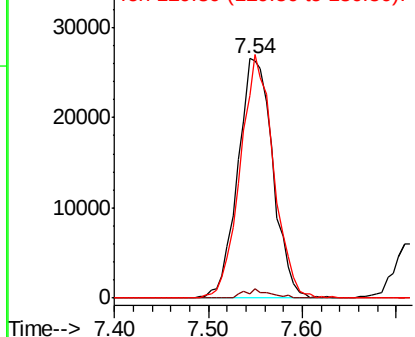
#28

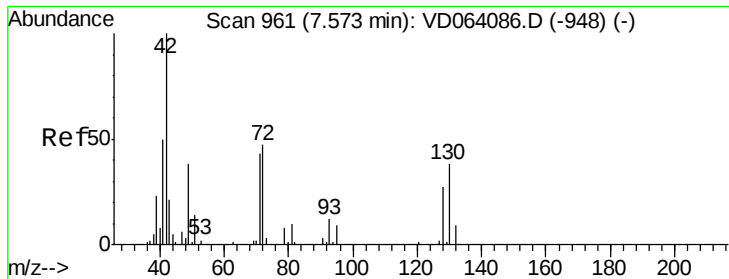
Bromochloromethane
 Concen: 51.906 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 49 Resp: 68424
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.4
 130 96.6 75.3 112.9



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

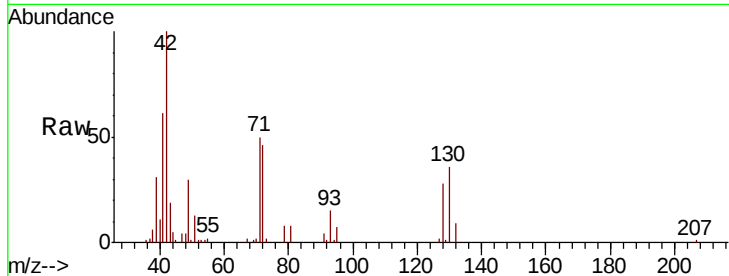




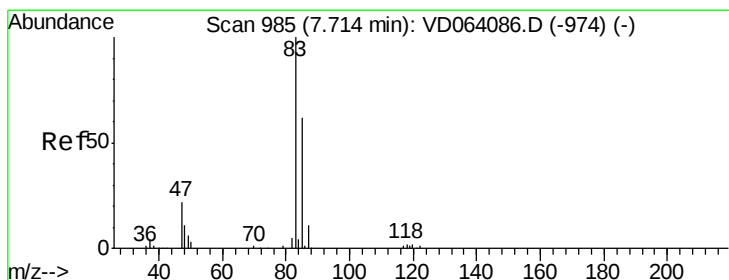
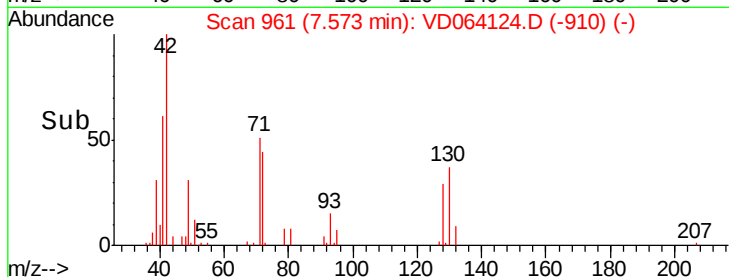
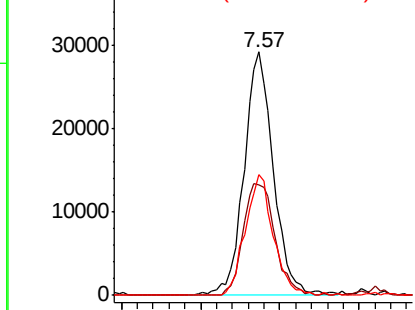
#29
Tetrahydrofuran
Concen: 277.808 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 75414
Ion Ratio Lower Upper
42 100
72 49.9 38.9 58.3
71 46.9 35.4 53.2

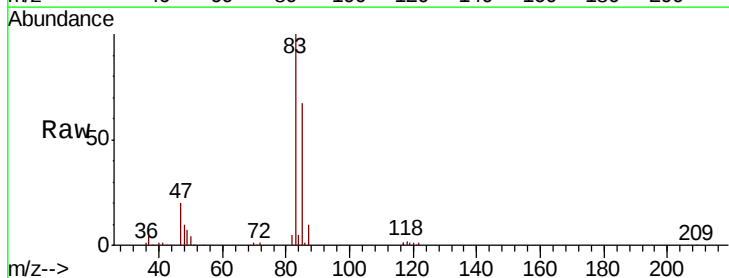


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

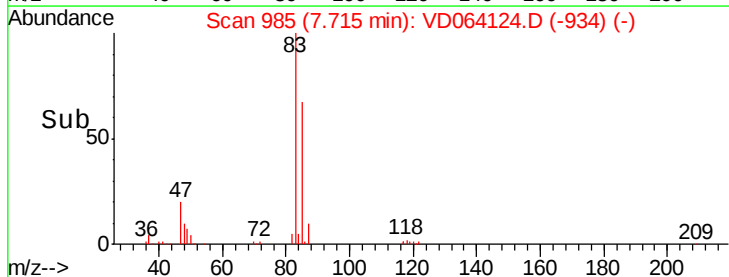
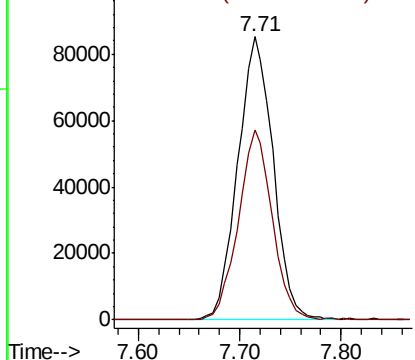


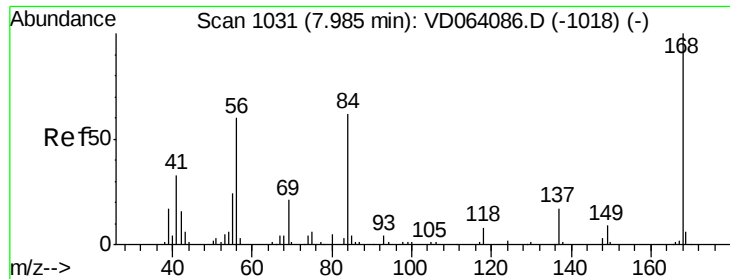
#30
Chloroform
Concen: 53.369 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 83 Resp: 206174
Ion Ratio Lower Upper
83 100
85 67.3 49.8 74.6



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

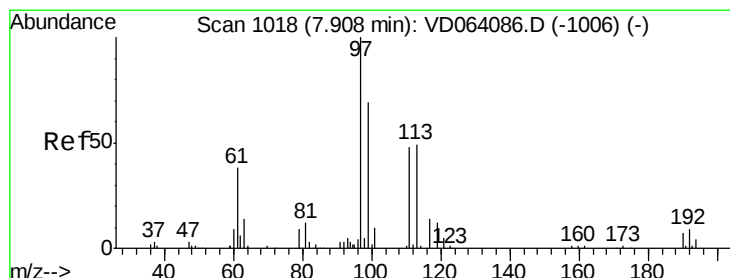
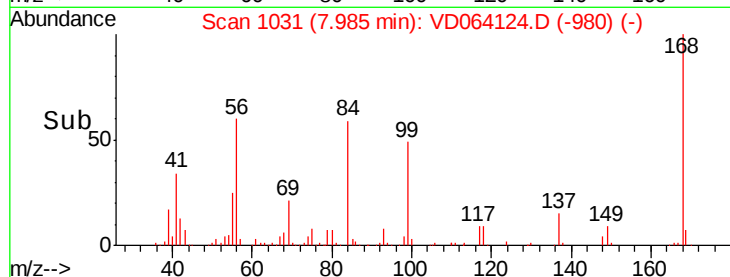
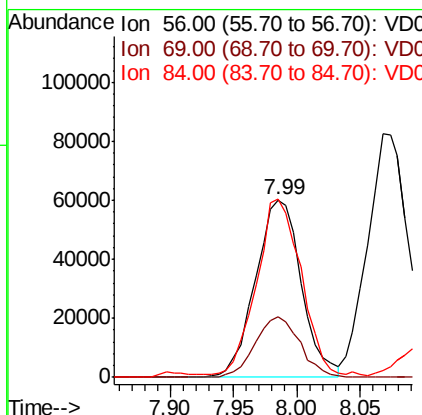
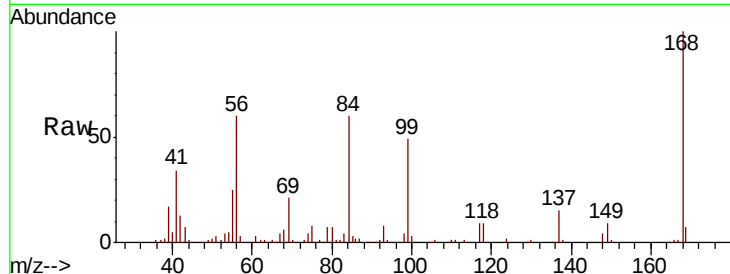




#31
Cyclohexane
Concen: 45.933 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

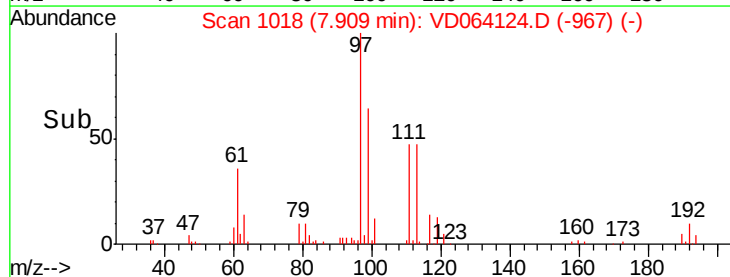
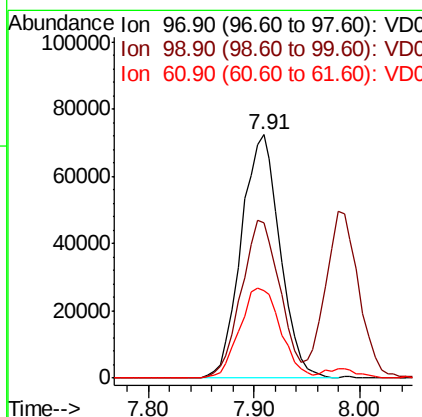
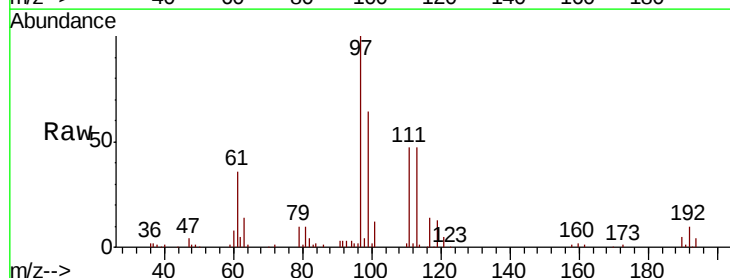
Instrument :
MSVOA_D
ClientSampleId :

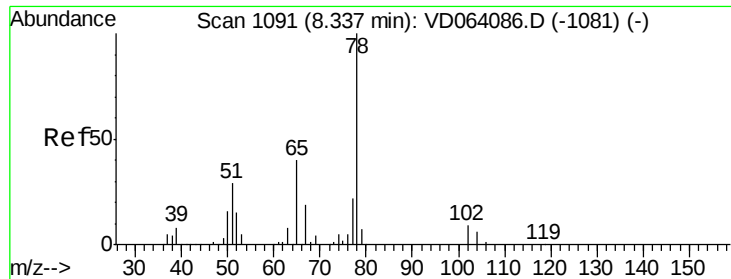
Tot Ion: 56 Resp: 151077
Ion Ratio Lower Upper
56 100
69 34.3 27.7 41.5
84 98.9 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 51.267 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 97 Resp: 184360
Ion Ratio Lower Upper
97 100
99 64.6 53.7 80.5
61 39.1 31.8 47.6





#33

1,2-Dichloroethane-d4

Concen: 53.477 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

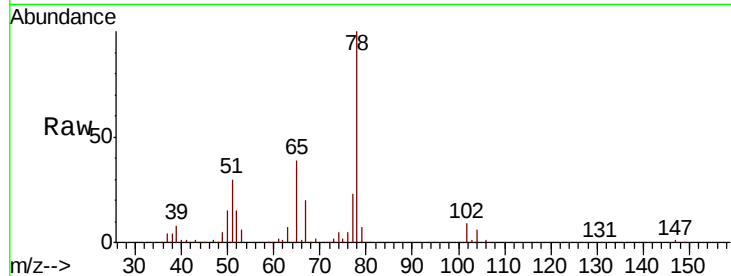
ClientSampleId :

Tot Ion: 65 Resp: 94563

Ion Ratio Lower Upper

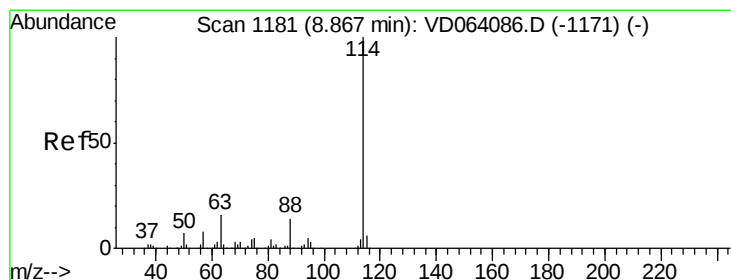
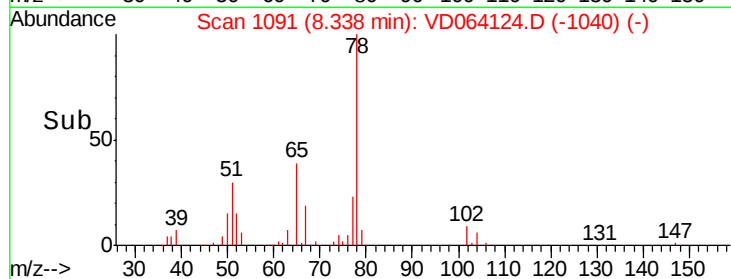
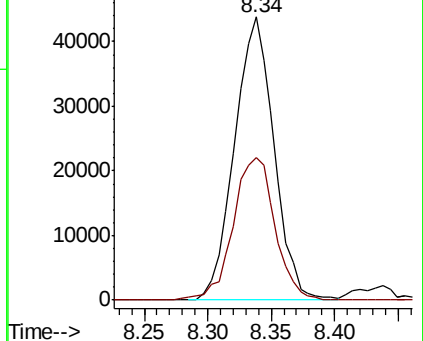
65 100

67 53.3 0.0 104.6



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: VD064124.D

Acq: 30 Oct 2019 20:46

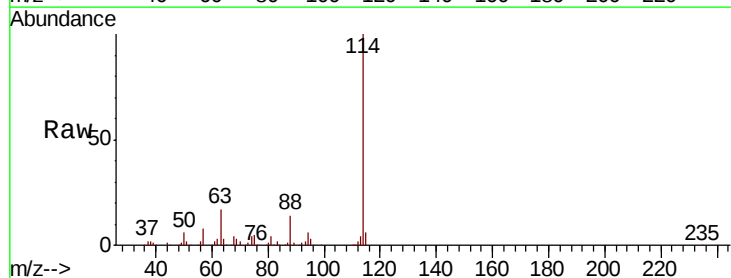
Tgt Ion:114 Resp: 338956

Ion Ratio Lower Upper

114 100

63 17.3 0.0 32.8

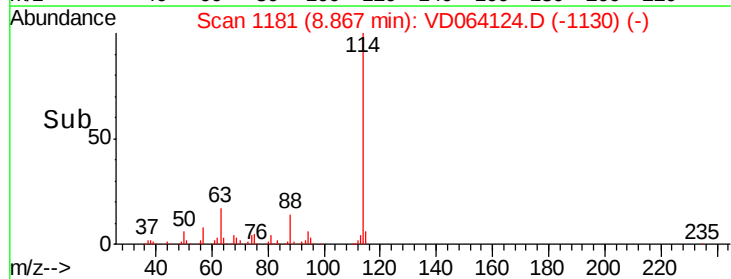
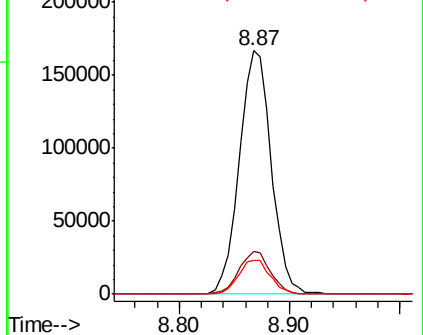
88 14.0 0.0 27.6

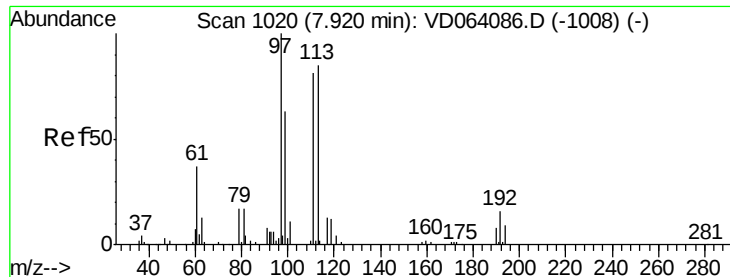


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

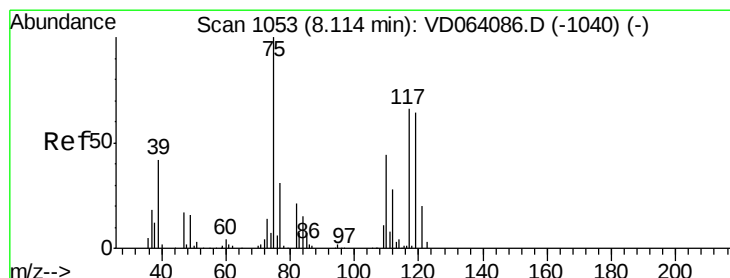
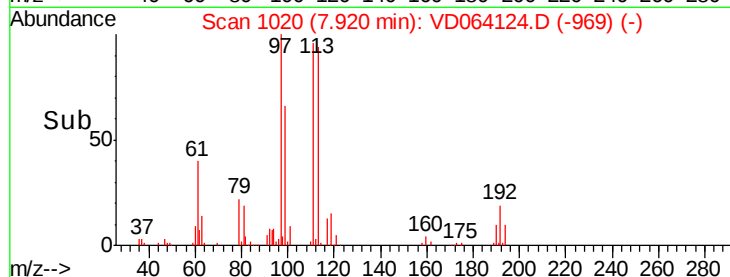
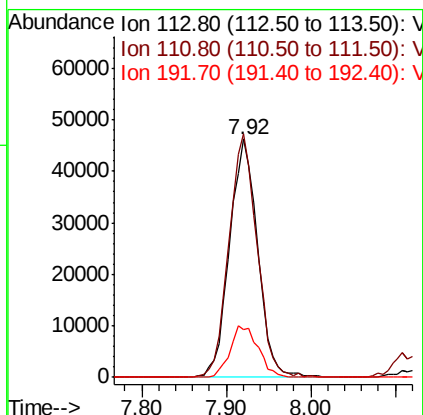
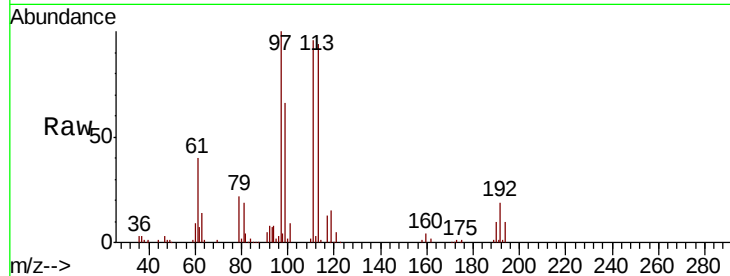




#35
 Dibromofluoromethane
 Concen: 50.789 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

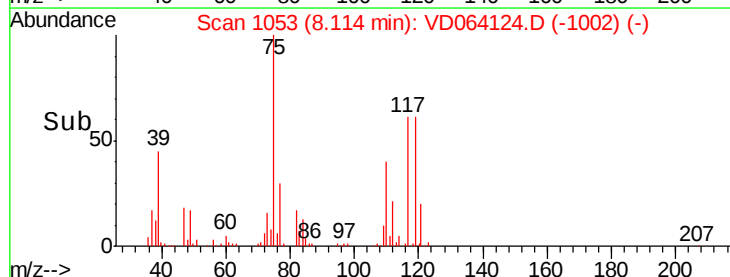
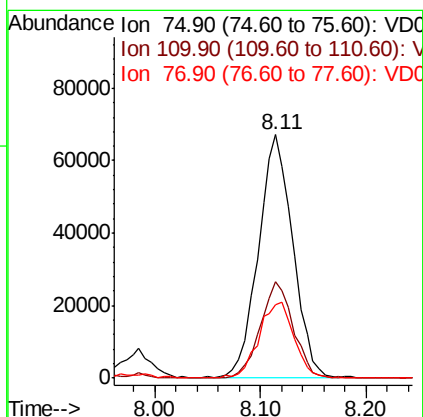
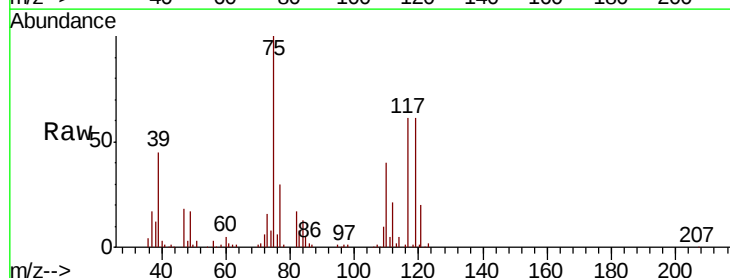
Instrument :
 MSVOA_D
 ClientSampleId :

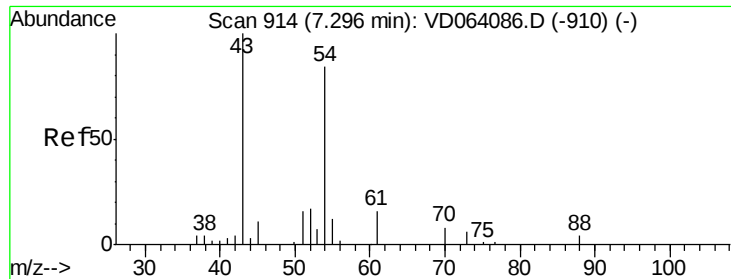
Tot Ion:113 Resp: 105912
 Ion Ratio Lower Upper
 113 100
 111 101.5 79.3 118.9
 192 21.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 47.861 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 75 Resp: 152011
 Ion Ratio Lower Upper
 75 100
 110 37.7 20.0 59.9
 77 31.9 24.7 37.1

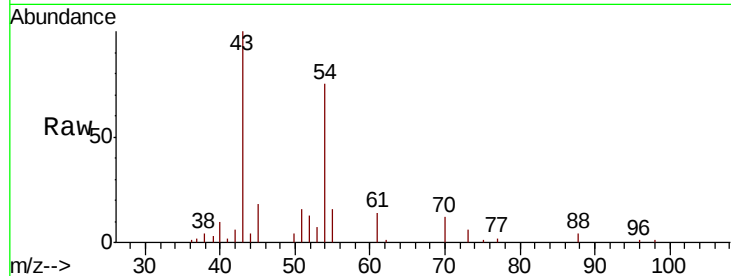




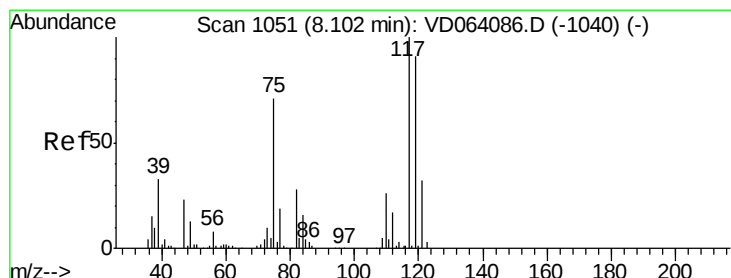
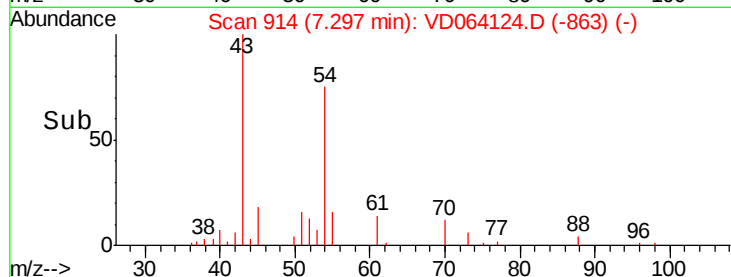
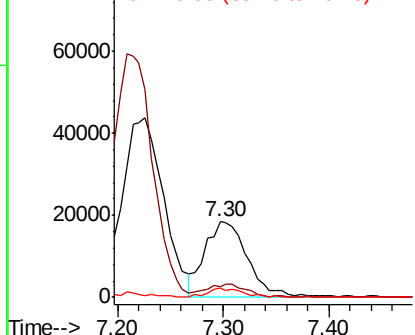
#37
Ethyl Acetate
Concen: 52.314 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 51143
Ion Ratio Lower Upper
43 100
61 16.1 12.0 18.0
70 10.7 3.8 5.6#

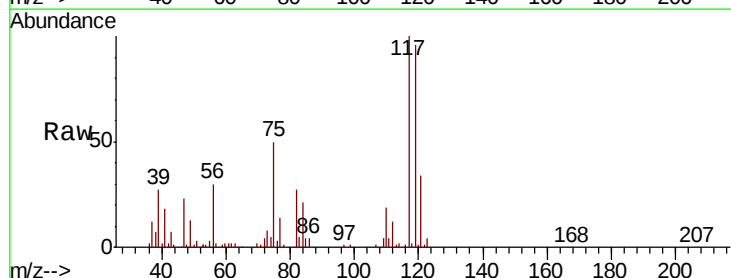


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

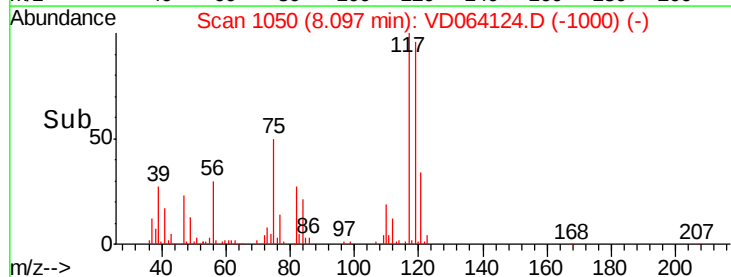
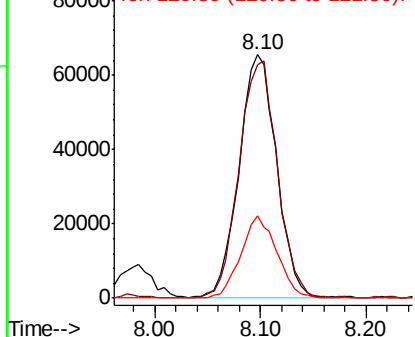


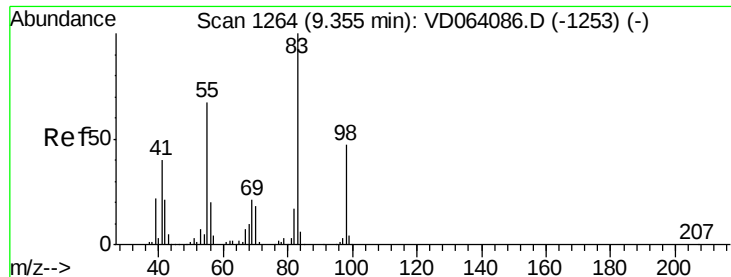
#38
Carbon Tetrachloride
Concen: 46.806 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 117 Resp: 162199
Ion Ratio Lower Upper
117 100
119 95.6 72.6 108.8
121 34.0 25.8 38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

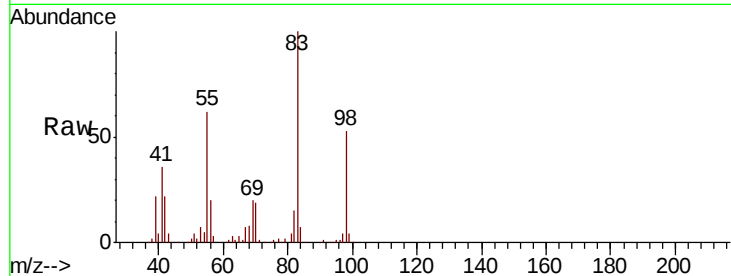




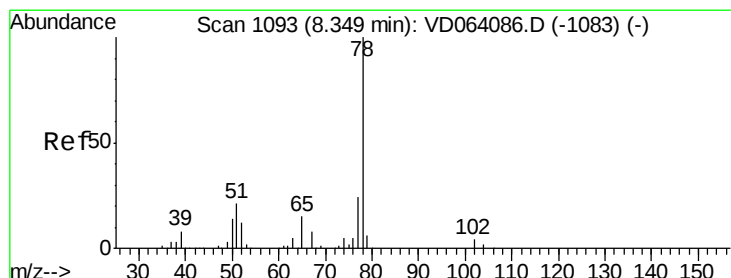
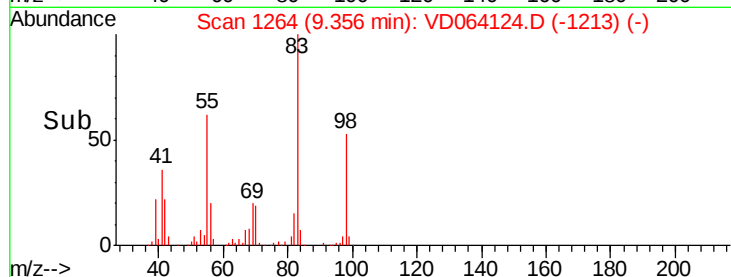
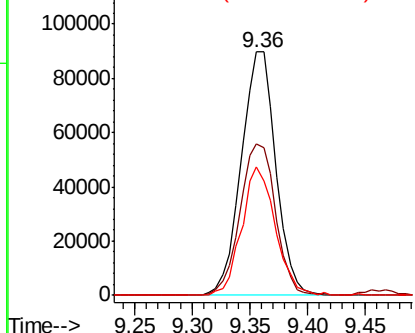
#39
Methvlcvclohexane
Concen: 48.040 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 187300
Ion Ratio Lower Upper
83 100
55 62.0 53.4 80.0
98 52.6 37.8 56.6

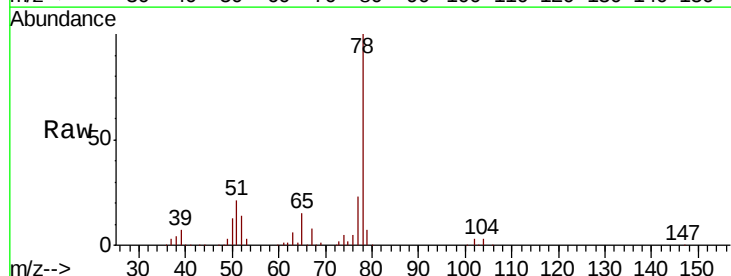


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

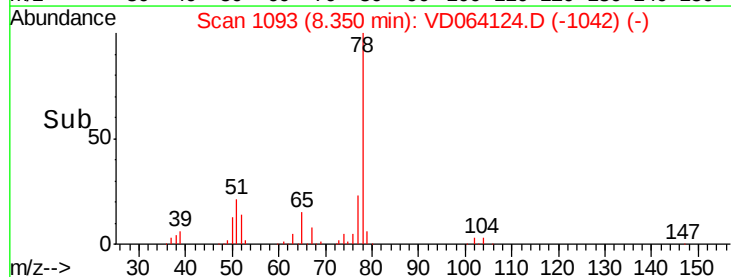
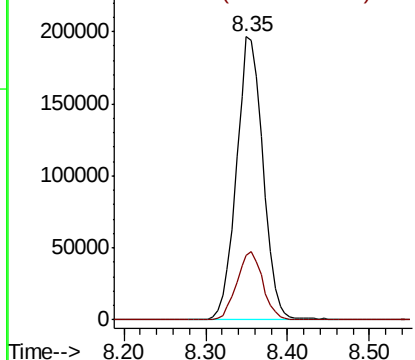


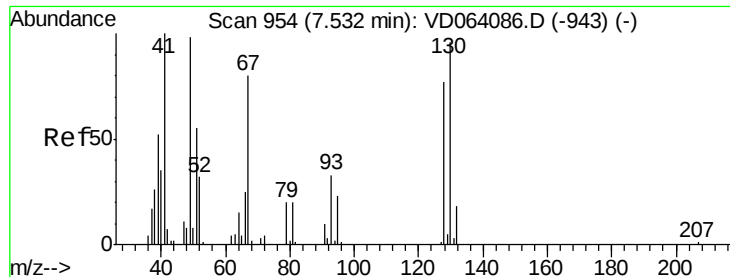
#40
Benzene
Concen: 51.219 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 78 Resp: 443614
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

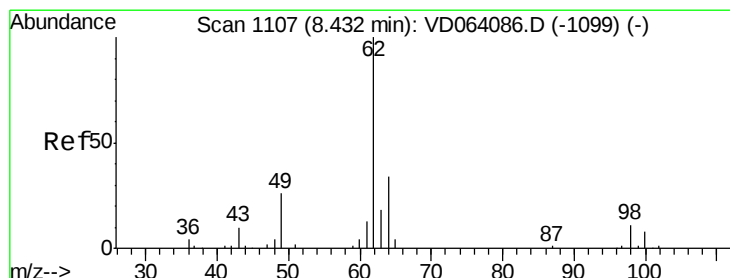
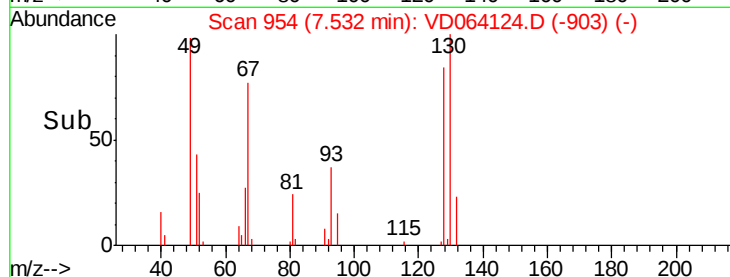
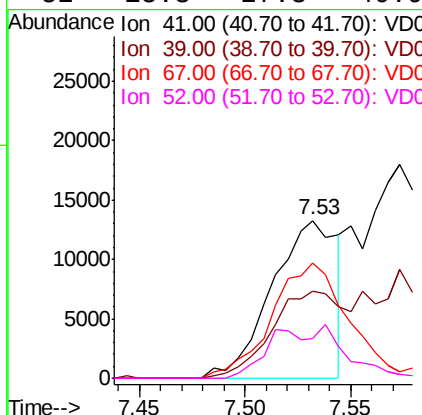
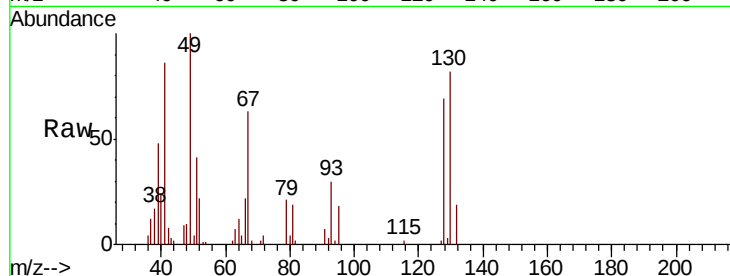




#41
Methacrylonitrile
Concen: 50.747 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

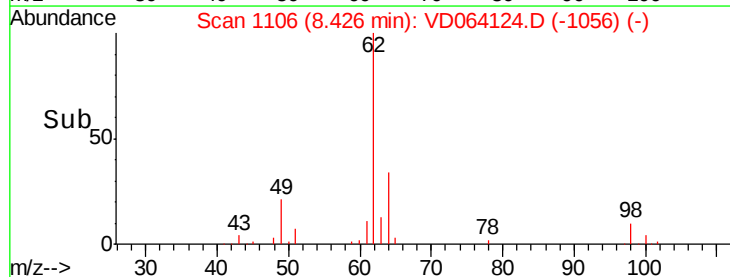
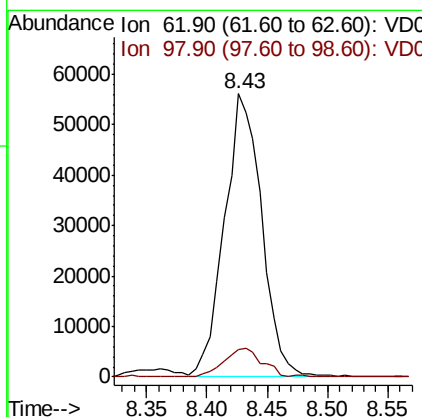
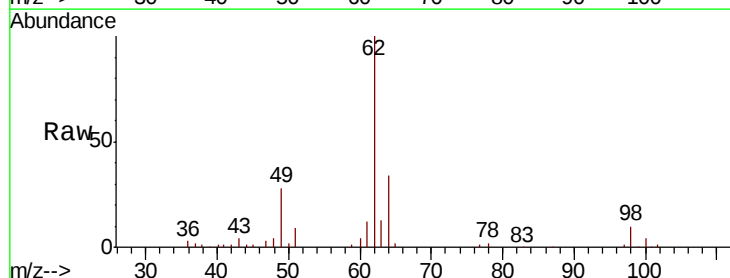
Instrument :
MSVOA_D
ClientSampleId :

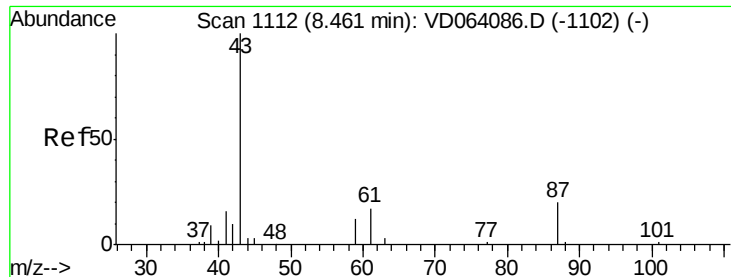
Tot Ion: 41 Resp: 28630
Ion Ratio Lower Upper
41 100
39 62.0 41.0 61.4#
67 86.5 73.4 110.0
52 18.3 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 52.542 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 62 Resp: 120207
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.0

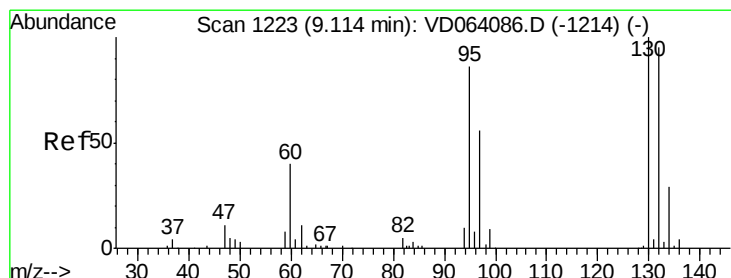
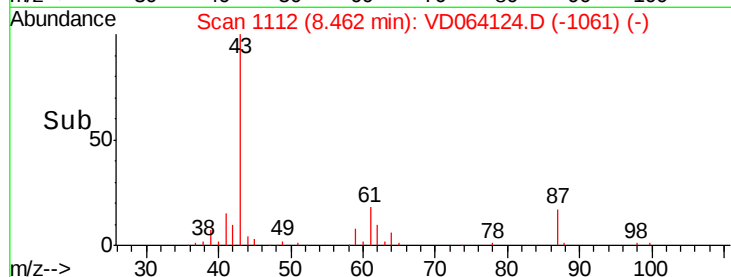
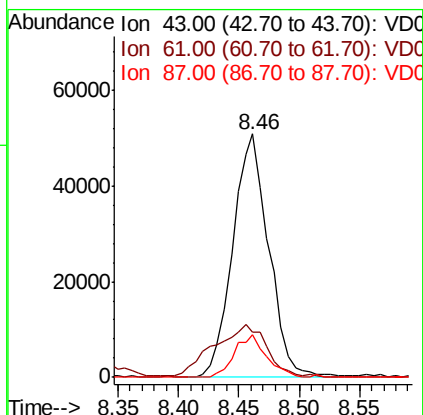
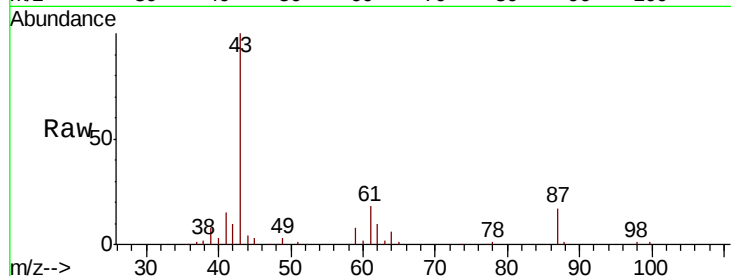




#43
Isopropyl Acetate
Concen: 53.383 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

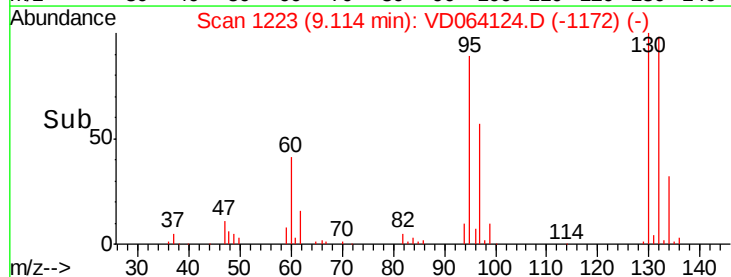
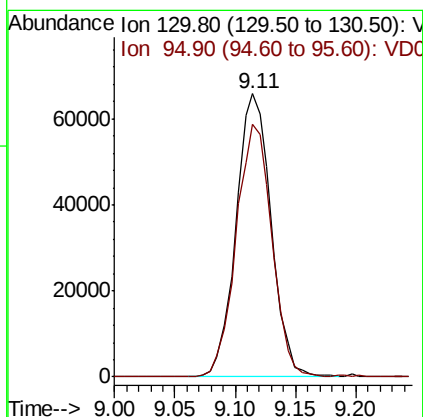
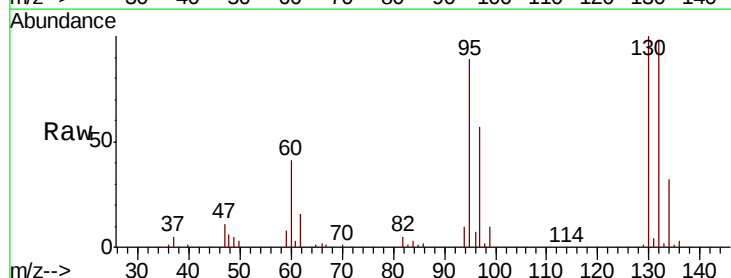
Instrument :
MSVOA_D
ClientSampleId :

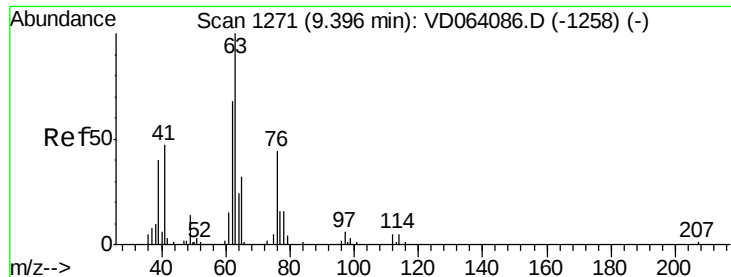
Tot Ion: 43 Resp: 105469
Ion Ratio Lower Upper
43 100
61 32.1 25.8 38.8
87 15.6 13.0 19.4



#44
Trichloroethene
Concen: 50.792 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:130 Resp: 133334
Ion Ratio Lower Upper
130 100
95 89.2 0.0 173.0

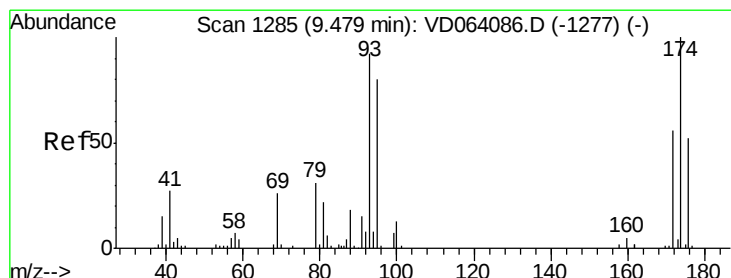
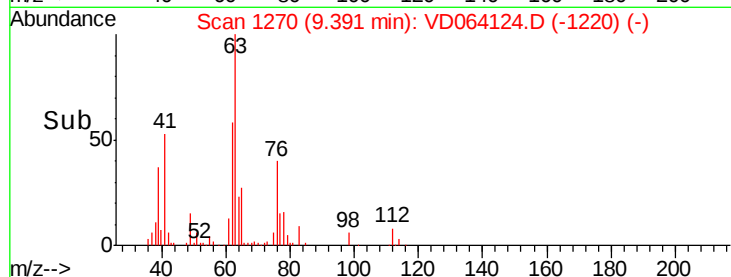
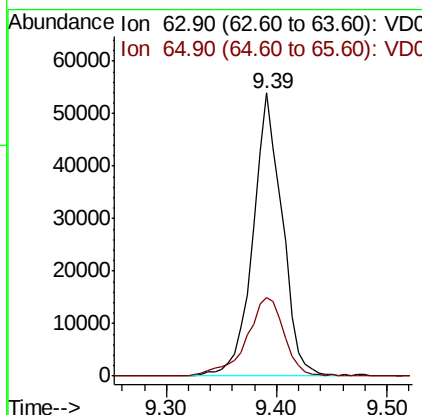
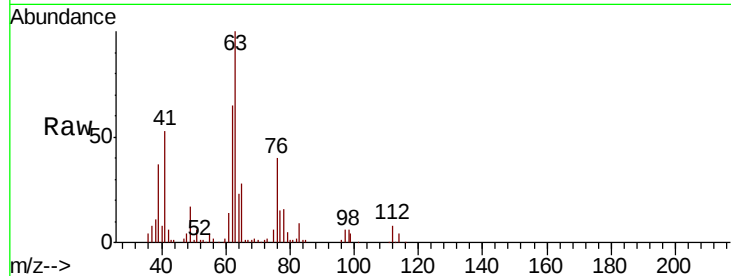




#45
 1,2-Dichloropropane
 Concen: 50.023 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

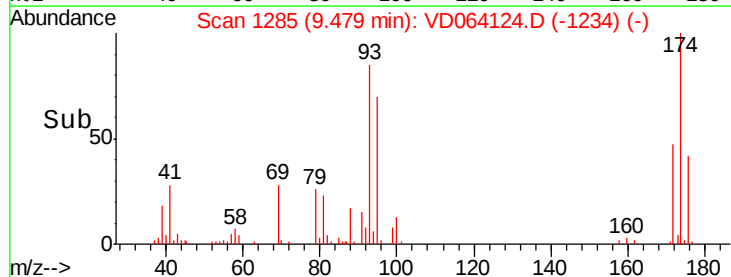
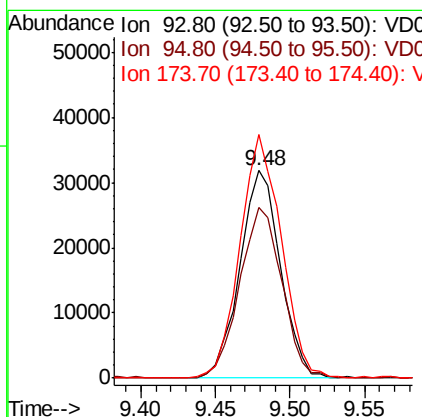
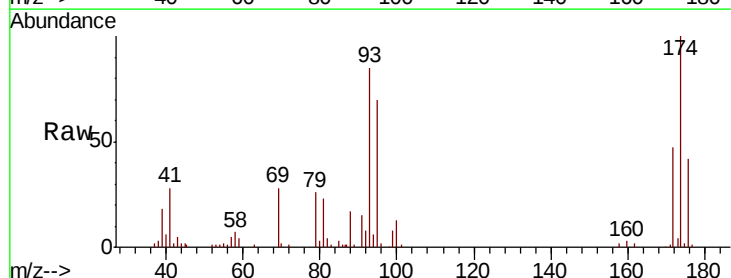
Instrument :
 MSVOA_D
 ClientSampleId :

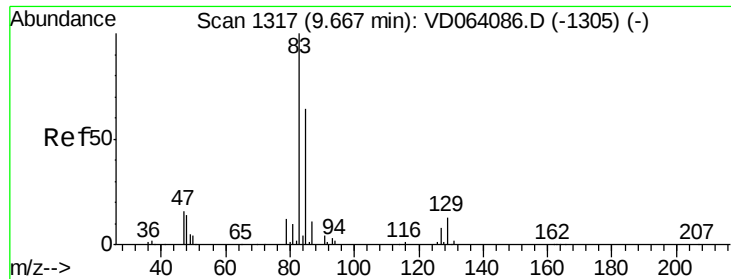
Tot Ion: 63 Resp: 100408
 Ion Ratio Lower Upper
 63 100
 65 27.9 25.8 38.8



#46
 Dibromomethane
 Concen: 49.537 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 93 Resp: 59884
 Ion Ratio Lower Upper
 93 100
 95 85.7 67.4 101.2
 174 119.4 86.4 129.6

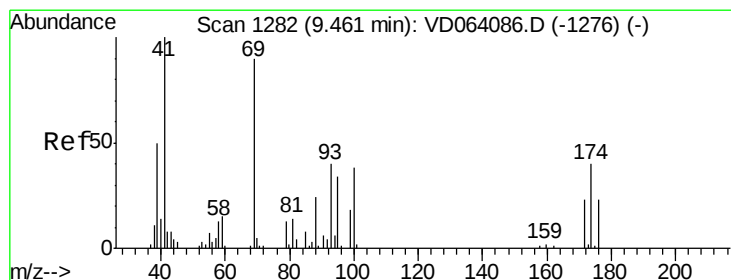
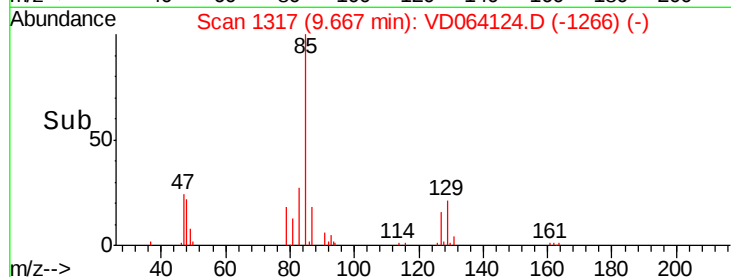
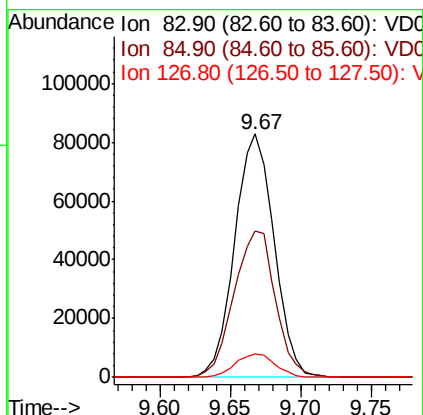
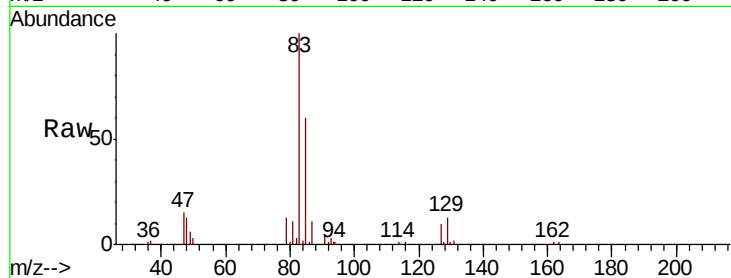




#47
 Bromodichloromethane
 Concen: 53.082 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

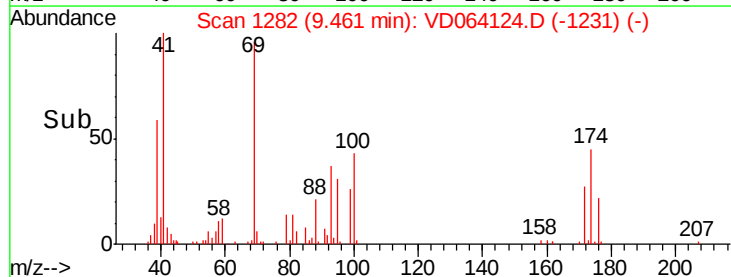
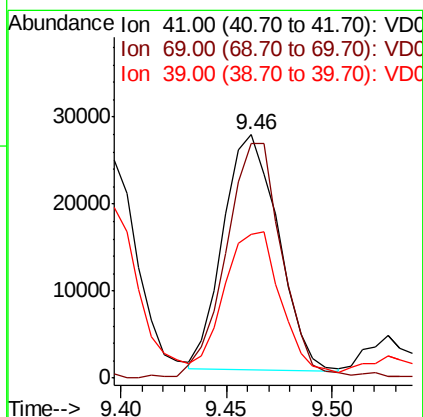
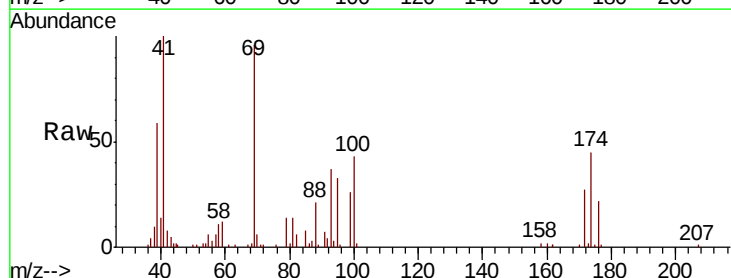
Instrument :
 MSVOA_D
 ClientSampleId :

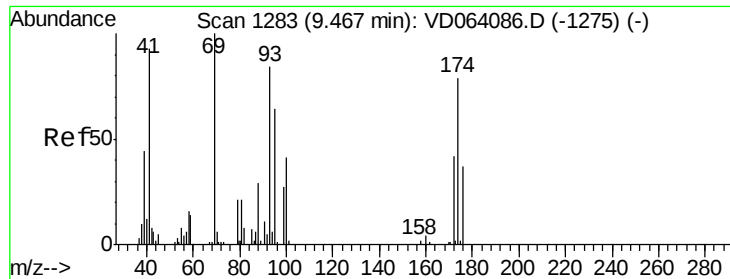
Tot Ion: 83 Resp: 161885
 Ion Ratio Lower Upper
 83 100
 85 59.9 51.4 77.0
 127 9.8 6.7 10.1



#48
 Methyl methacrylate
 Concen: 53.393 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 41 Resp: 48782
 Ion Ratio Lower Upper
 41 100
 69 103.8 82.6 124.0
 39 60.9 47.0 70.4

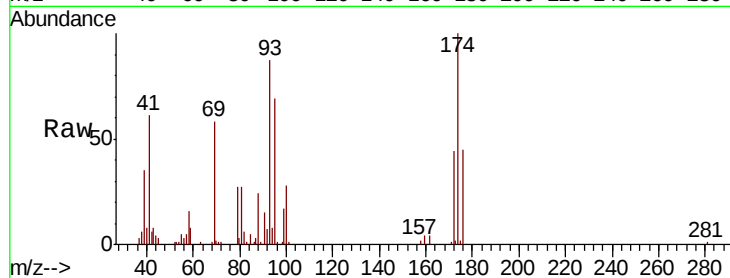




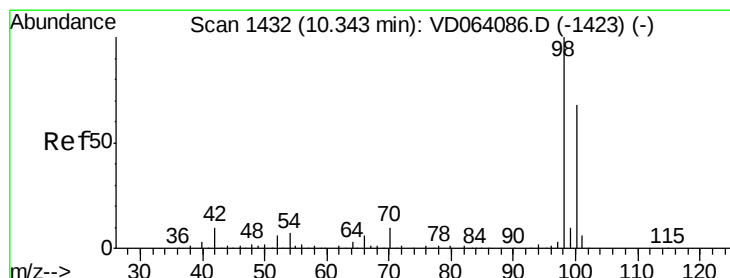
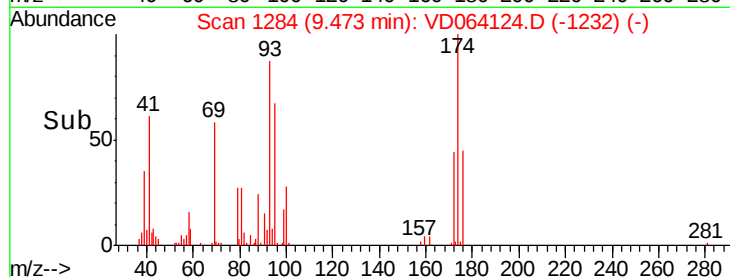
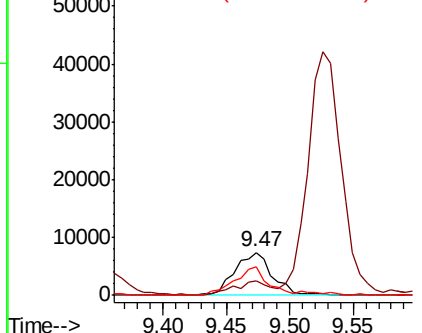
#49
1,4-Dioxane
Concen: 1090.497 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 15090
Ion Ratio Lower Upper
88 100
43 32.9 13.4 20.0#
58 58.1 46.7 70.1

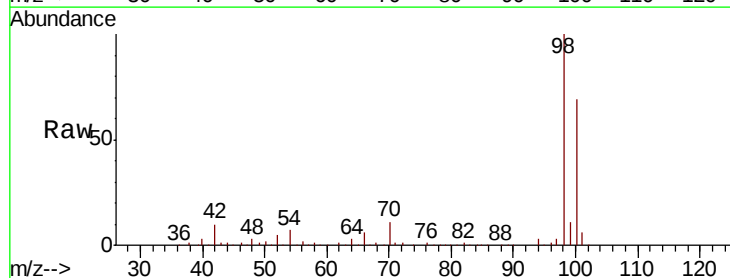


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

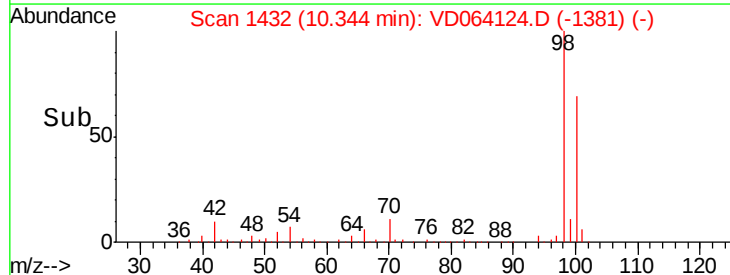
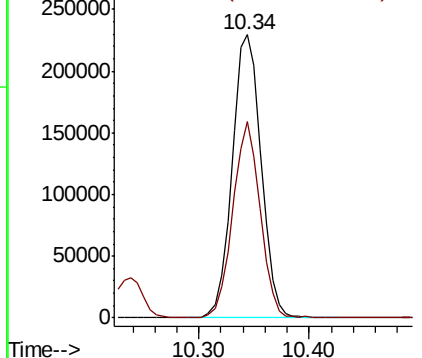


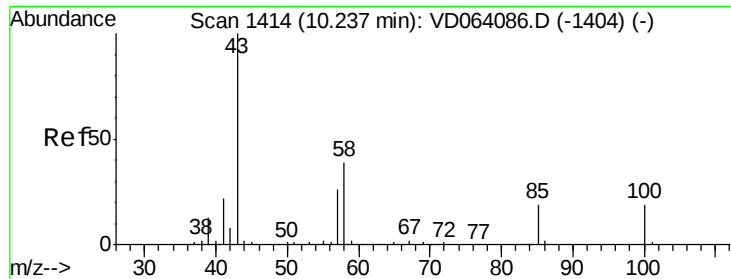
#50
Toluene-d8
Concen: 50.690 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 98 Resp: 422740
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 270.571 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

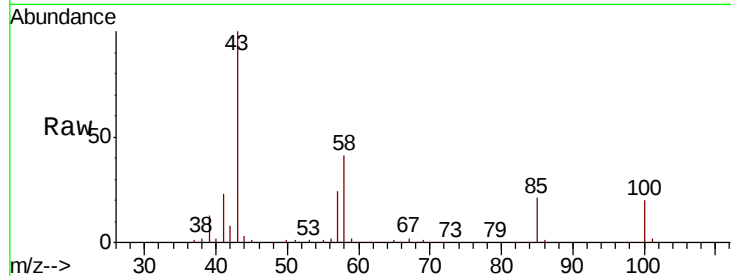
ClientSampleId :

Tot Ion: 43 Resp: 291019

Ion Ratio Lower Upper

43 100

58 41.3 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

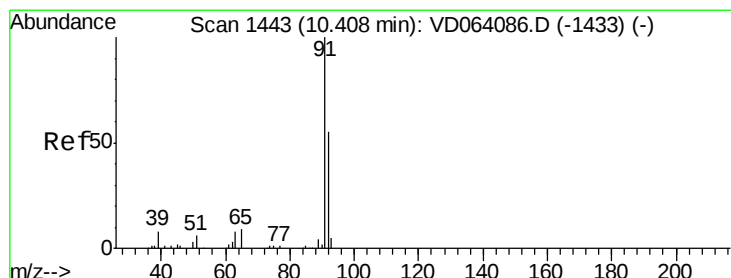
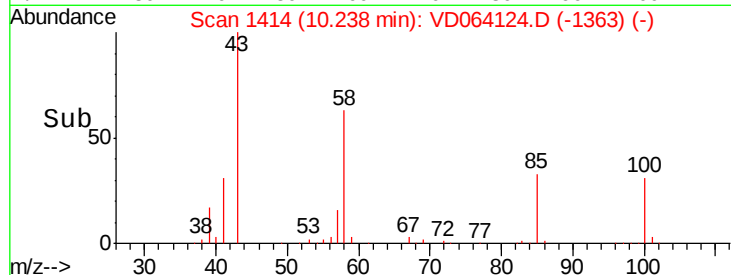
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.461 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064124.D

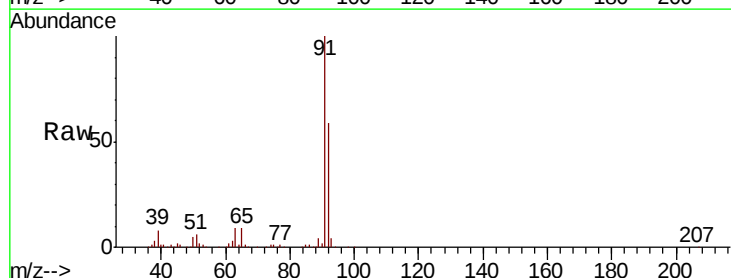
Acq: 30 Oct 2019 20:46

Tgt Ion: 92 Resp: 312355

Ion Ratio Lower Upper

92 100

91 173.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

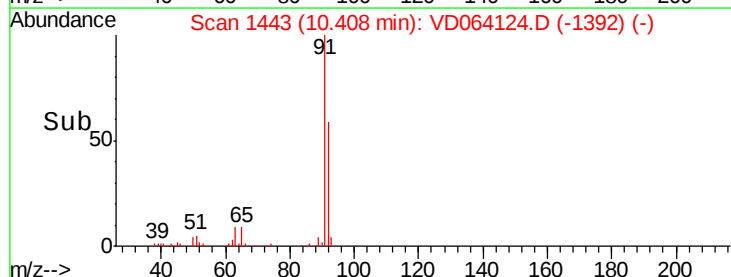
300000

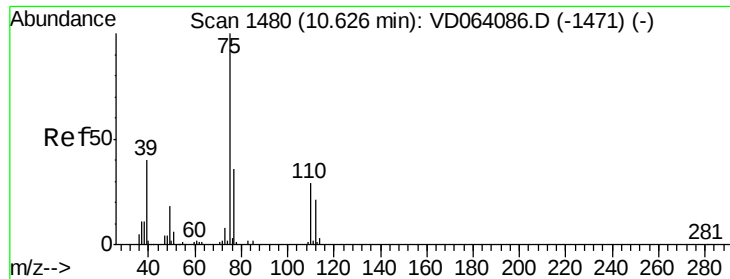
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.542 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

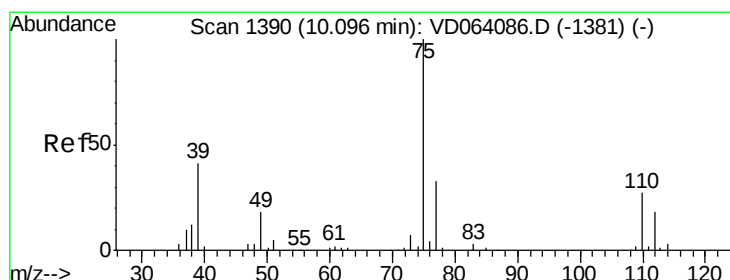
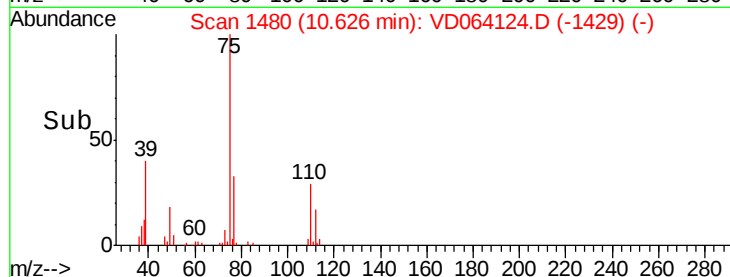
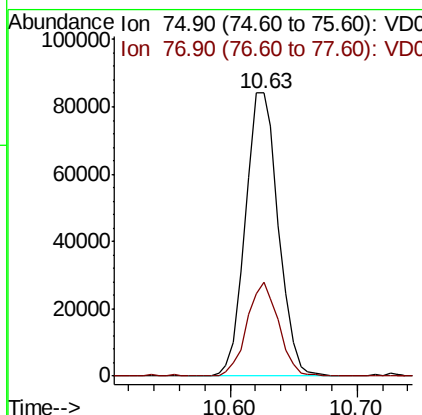
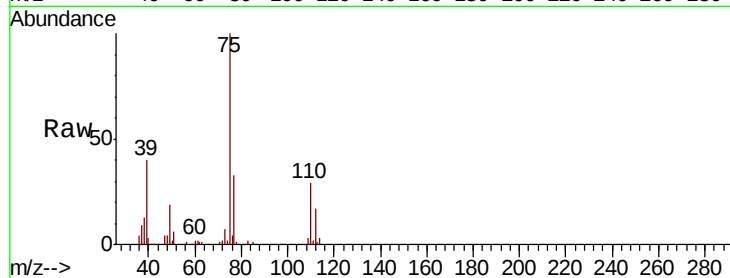
ClientSampleId :

Tot Ion: 75 Resp: 152426

Ion Ratio Lower Upper

75 100

77 32.7 28.7 43.1



#54

cis-1,3-Dichloropropene

Concen: 53.347 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

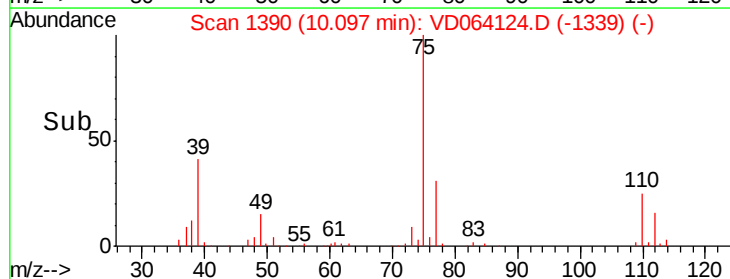
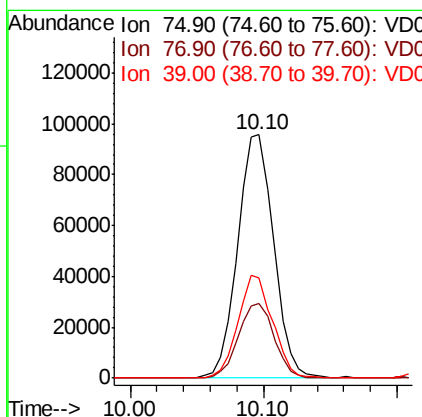
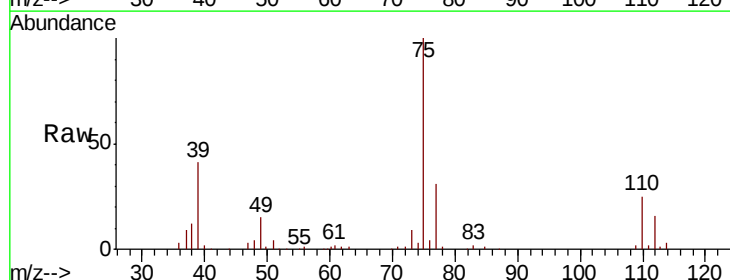
Tgt Ion: 75 Resp: 178675

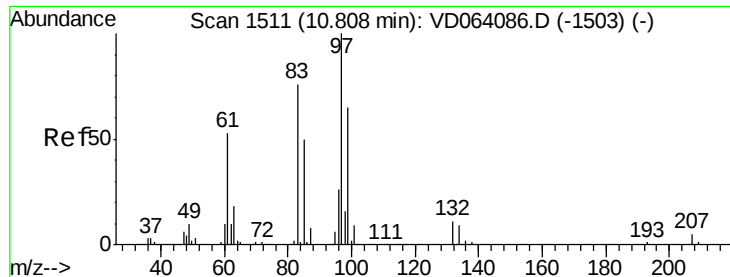
Ion Ratio Lower Upper

75 100

77 30.6 26.8 40.2

39 41.3 32.7 49.1

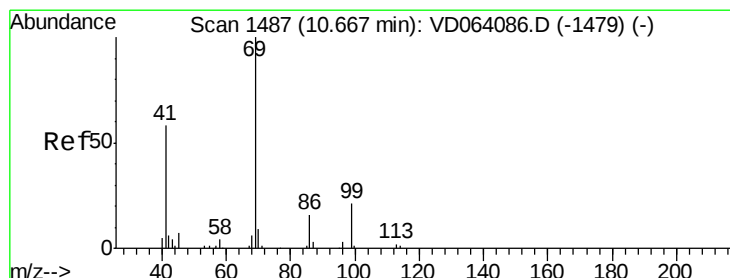
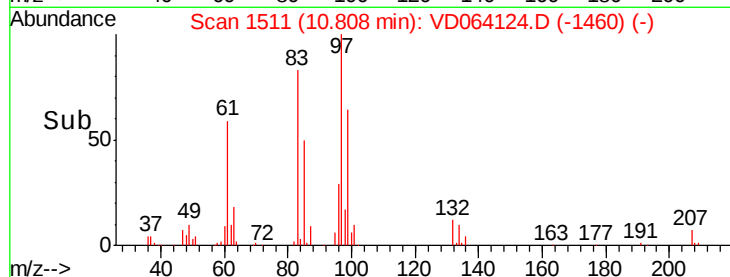
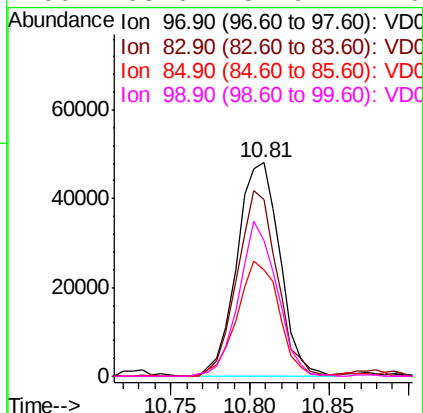
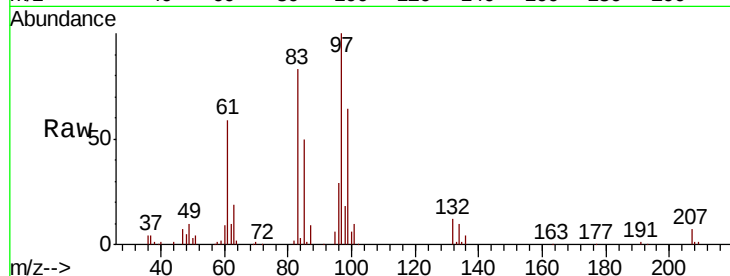




#55
 1,1,2-Trichloroethane
 Concen: 52.887 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

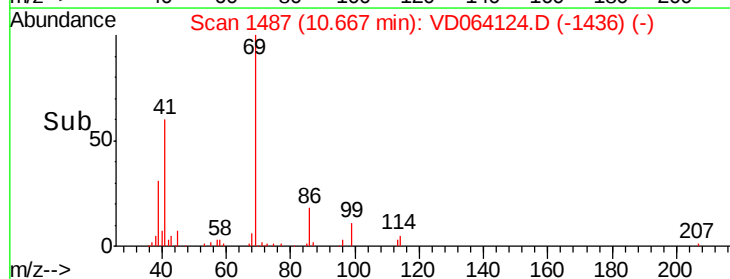
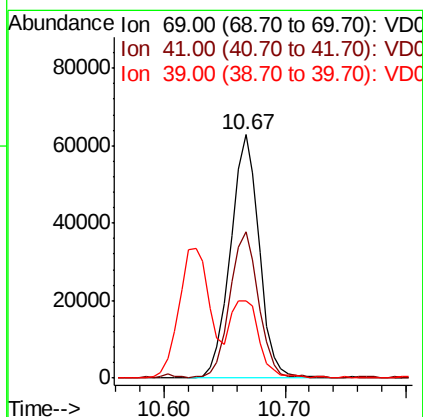
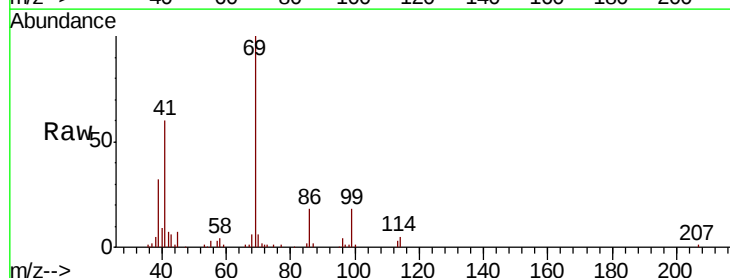
Instrument :
 MSVOA_D
 ClientSampleId :

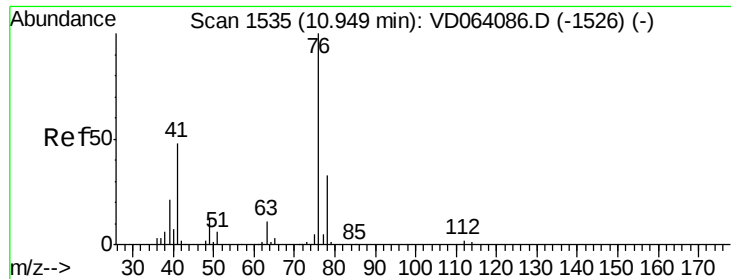
Tot Ion:	97	Resp:	90645
Ion	Ratio	Lower	Upper
97	100		
83	82.8	60.9	91.3
85	50.0	40.2	60.2
99	63.6	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 49.871 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion:	69	Resp:	103875
Ion	Ratio	Lower	Upper
69	100		
41	59.6	46.9	70.3
39	30.7	27.3	40.9

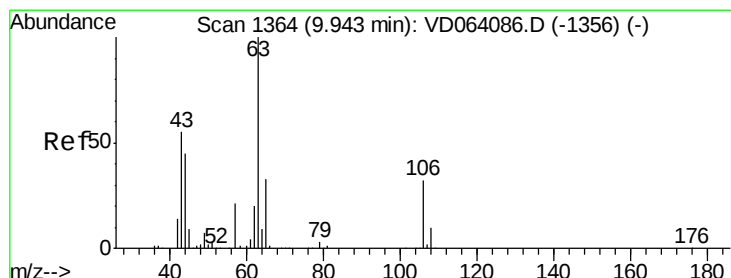
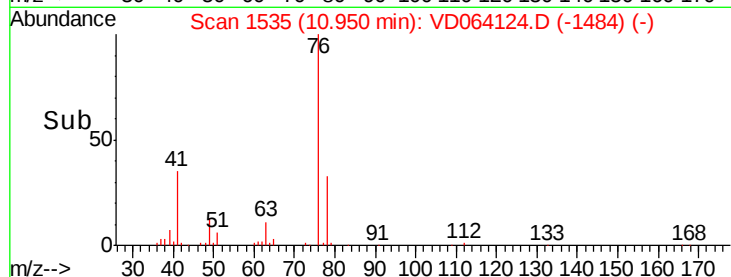
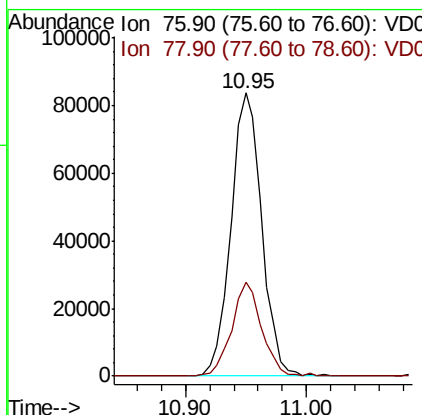
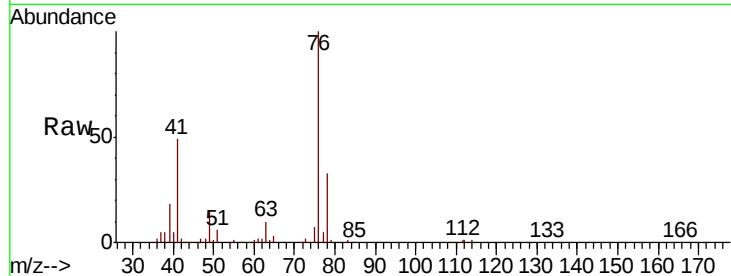




#57
 1,3-Dichloropropane
 Concen: 52.207 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

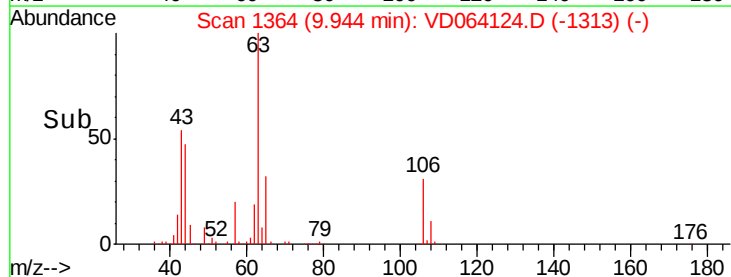
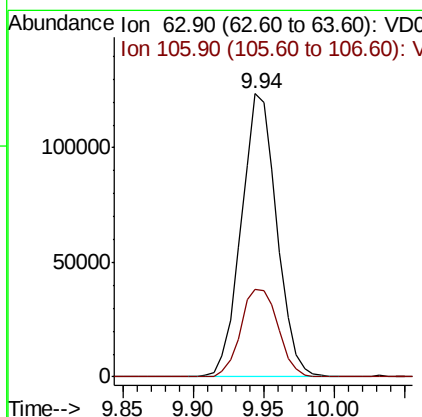
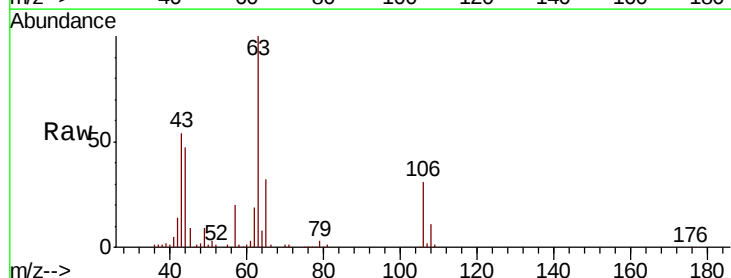
Instrument :
 MSVOA_D
 ClientSampleId :

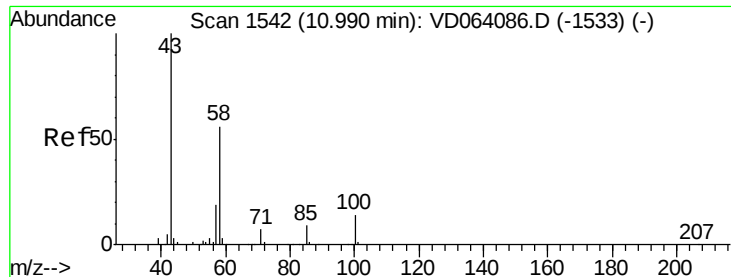
Tot Ion: 76 Resp: 147986
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.611 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 63 Resp: 217466
 Ion Ratio Lower Upper
 63 100
 106 32.6 25.8 38.8

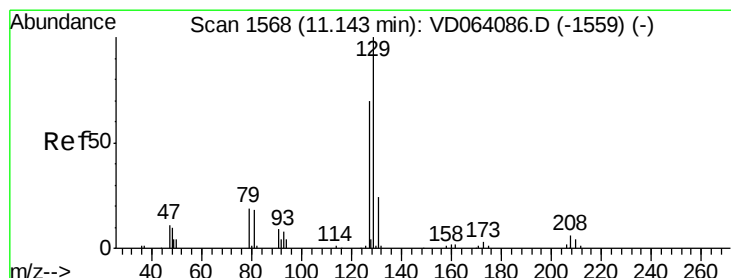
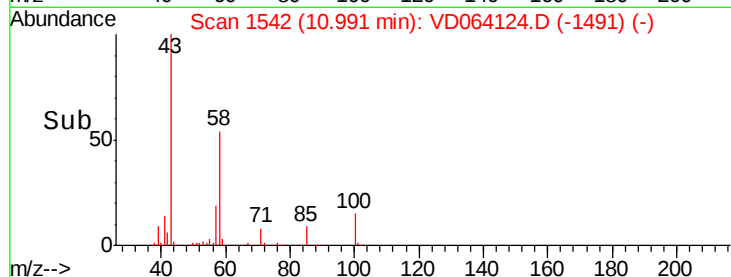
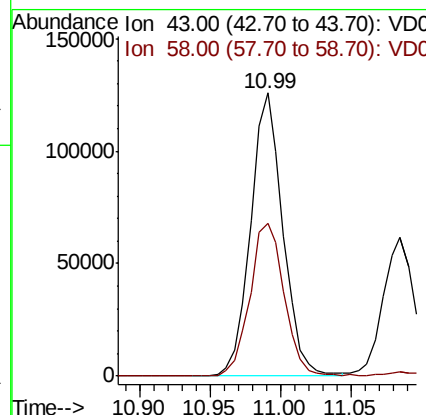
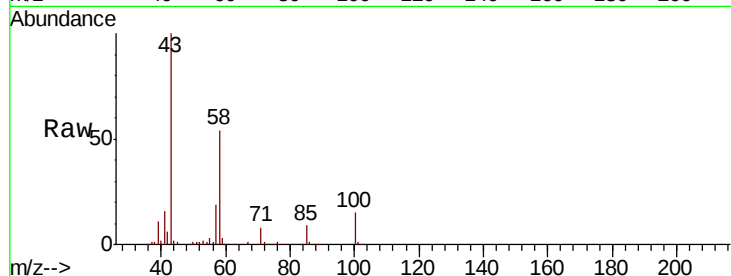




#59
2-Hexanone
Concen: 240.266 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

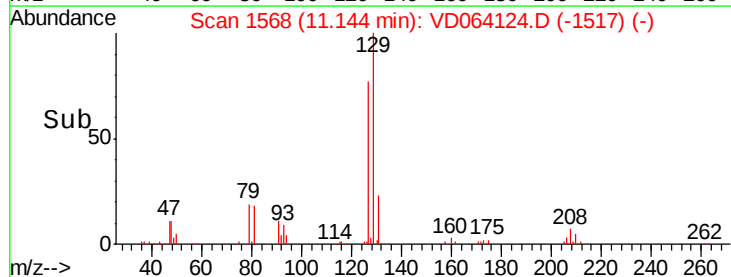
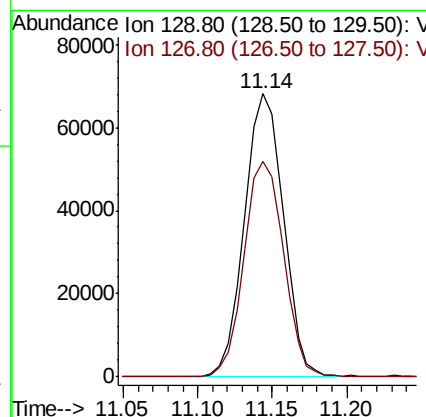
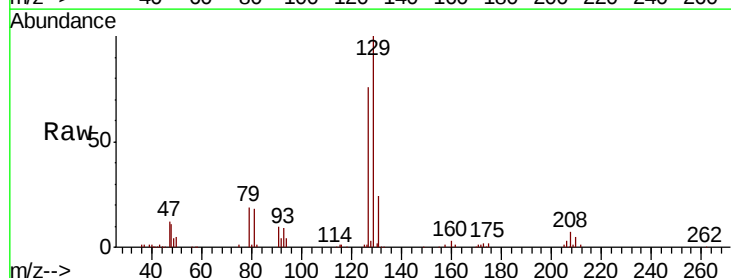
Instrument :
MSVOA_D
ClientSampleId :

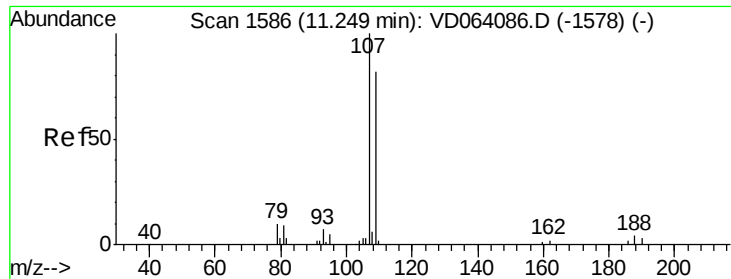
Tot Ion: 43 Resp: 202269
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6



#60
Dibromochloromethane
Concen: 53.061 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 129 Resp: 123437
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.257 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

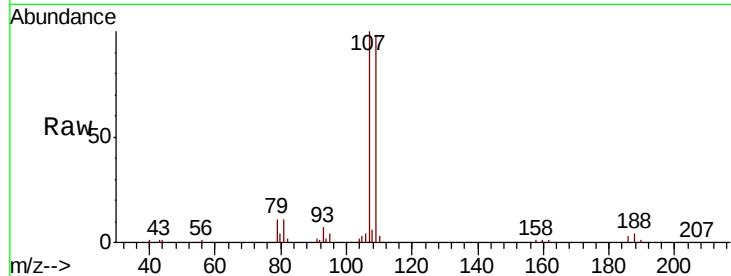
ClientSampleId :

Tot Ion:107 Resp: 91295

Ion Ratio Lower Upper

107 100

109 97.3 73.0 109.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

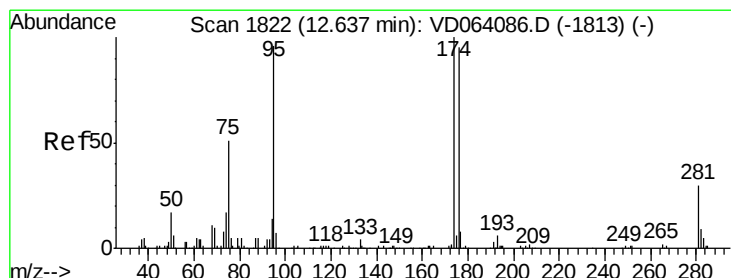
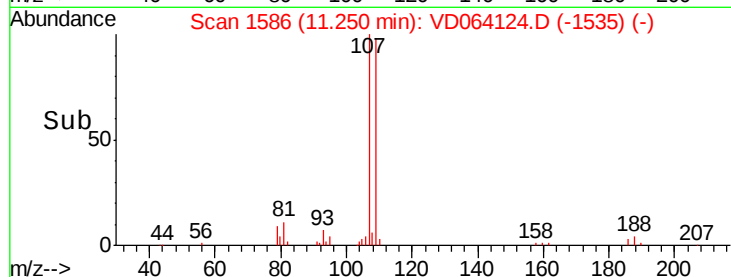
10000

0

11.25

11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 52.972 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

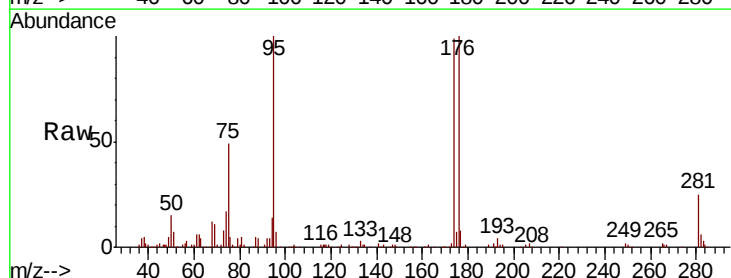
Tgt Ion: 95 Resp: 146460

Ion Ratio Lower Upper

95 100

174 99.4 0.0 201.6

176 95.0 0.0 192.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

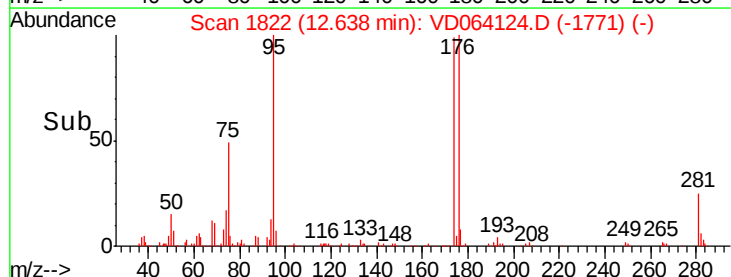
20000

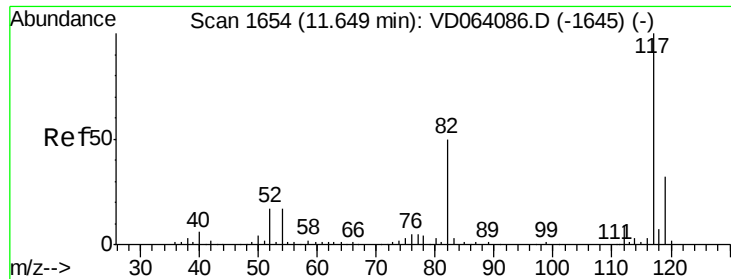
0

12.64

12.70

Time-->

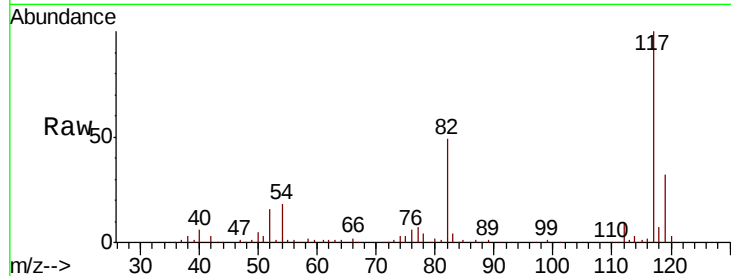




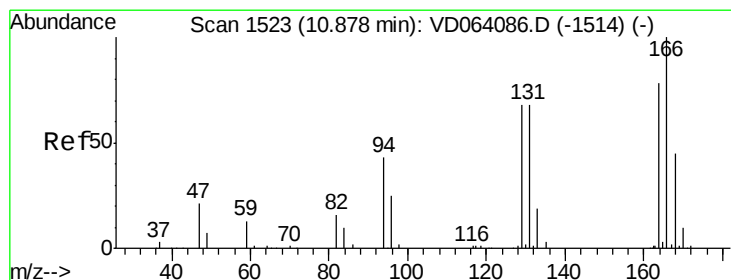
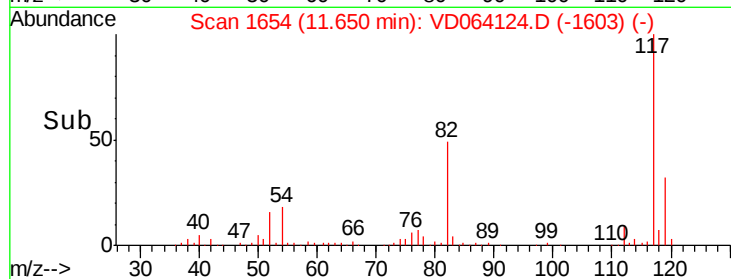
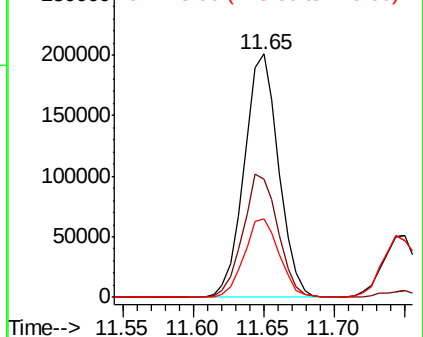
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 343642
Ion Ratio Lower Upper
117 100
82 48.6 40.2 60.4
119 32.5 26.0 39.0

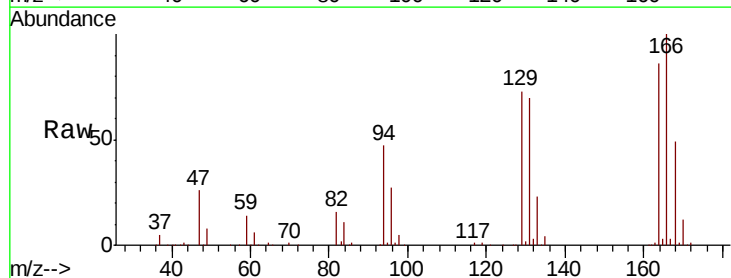


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

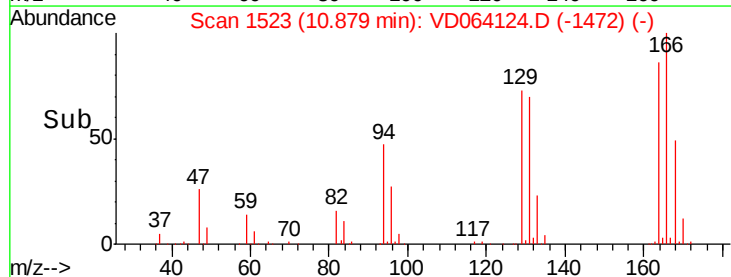
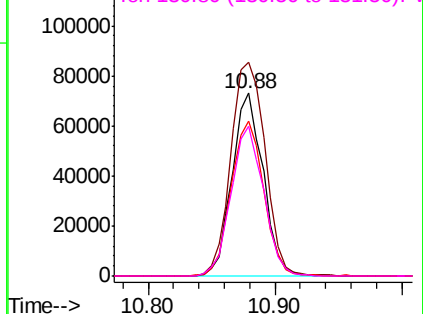


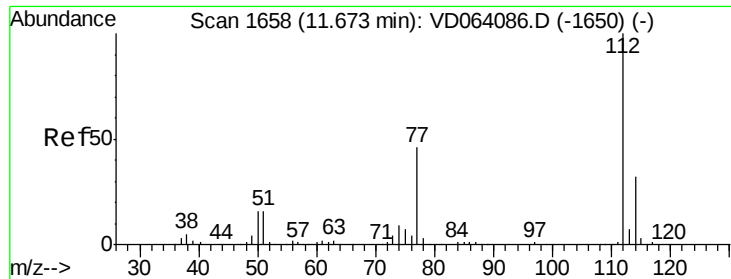
#64
Tetrachloroethene
Concen: 50.104 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:164 Resp: 123693
Ion Ratio Lower Upper
164 100
166 116.8 102.7 154.1
129 84.9 69.8 104.6
131 81.7 69.4 104.0



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





#65

Chlorobenzene

Concen: 50.518 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

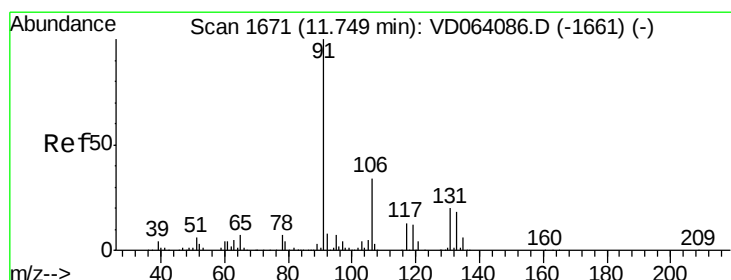
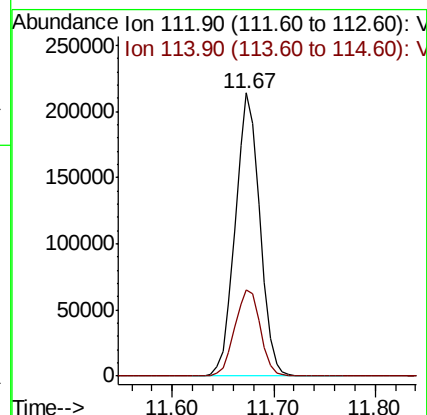
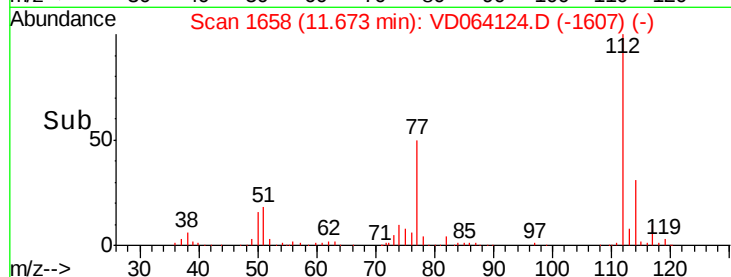
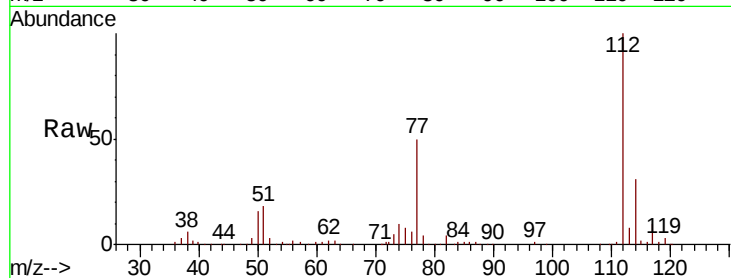
ClientSampled :

Tot Ion:112 Resp: 358703

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 50.872 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

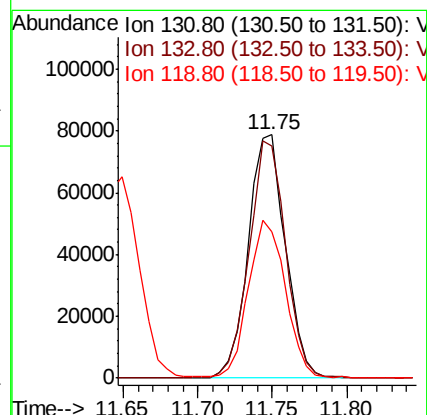
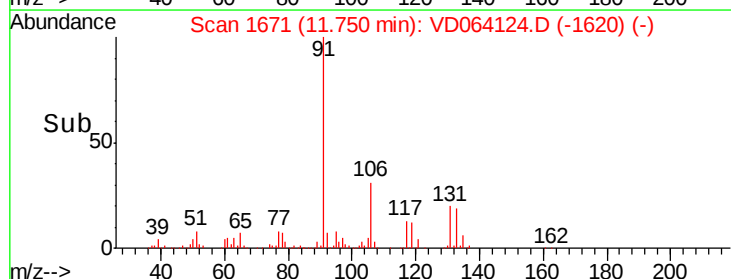
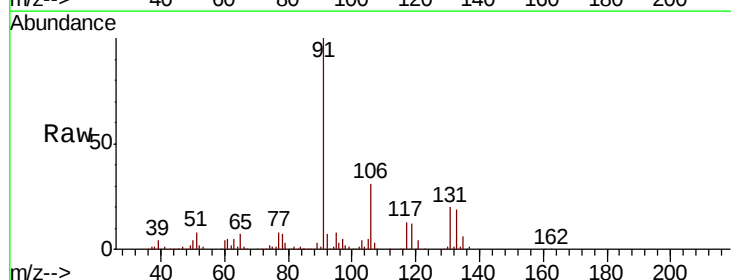
Tgt Ion:131 Resp: 135160

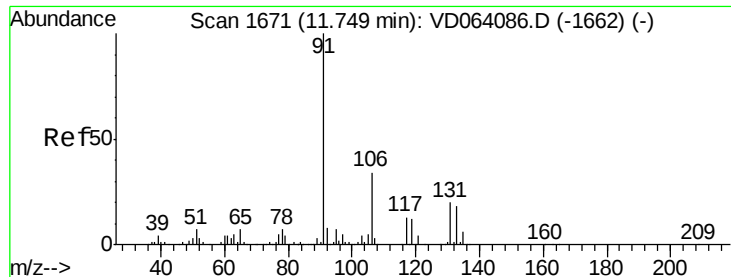
Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

119 65.3 31.4 94.3

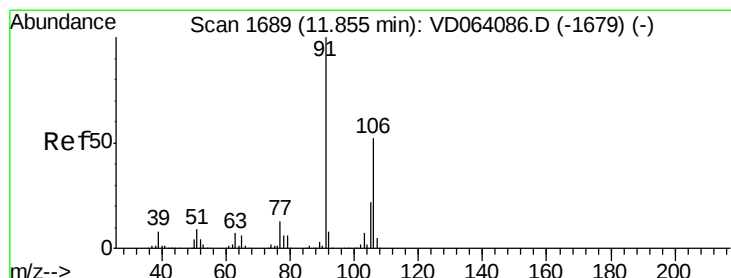
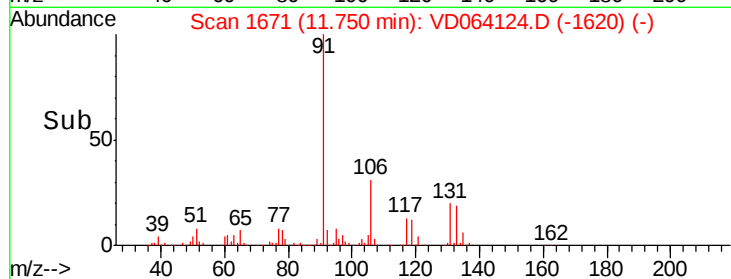
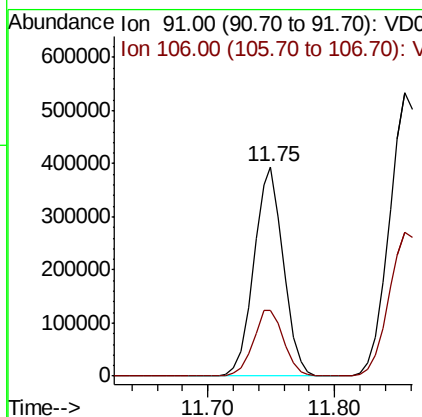
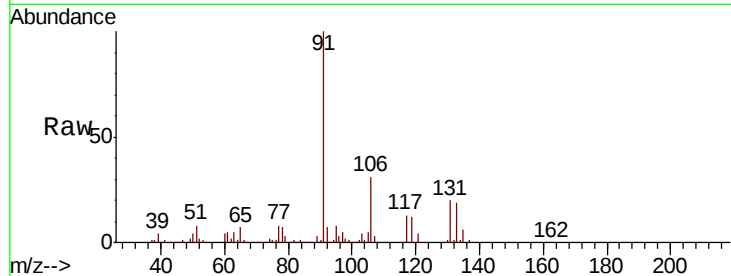




#67
Ethyl Benzene
Concen: 50.406 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

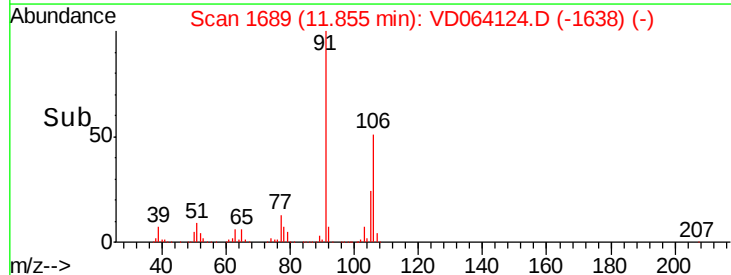
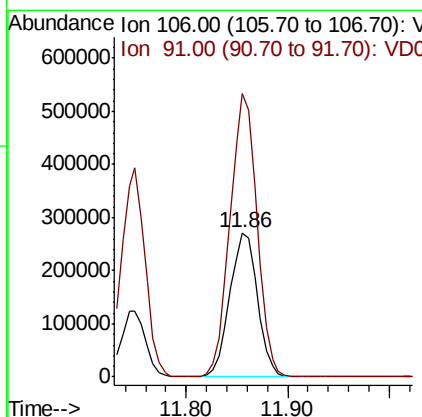
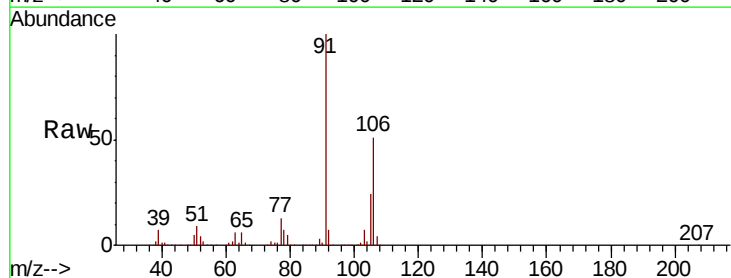
Instrument :
MSVOA_D
ClientSampleId :

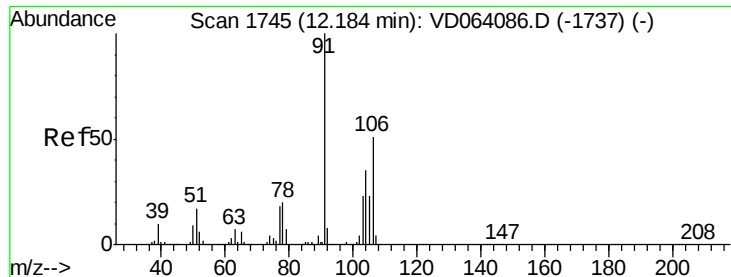
Tot Ion: 91 Resp: 636584
Ion Ratio Lower Upper
91 100
106 31.5 27.0 40.6



#68
m/p-Xylenes
Concen: 101.296 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 106 Resp: 514565
Ion Ratio Lower Upper
106 100
91 191.4 154.0 231.0

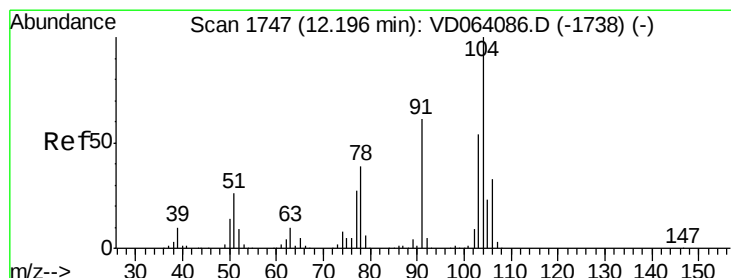
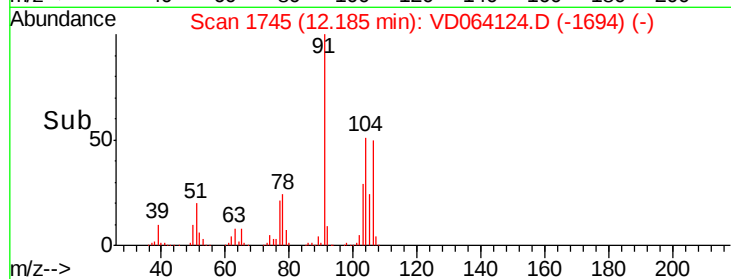
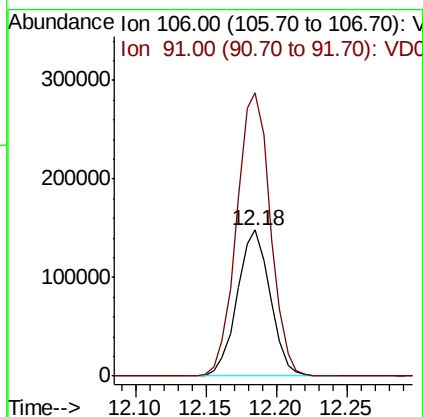
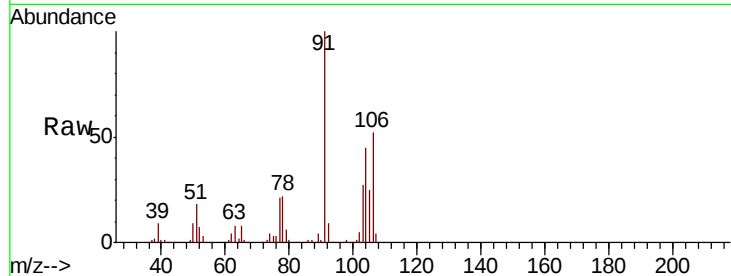




#69
o-Xylene
Concen: 52.244 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

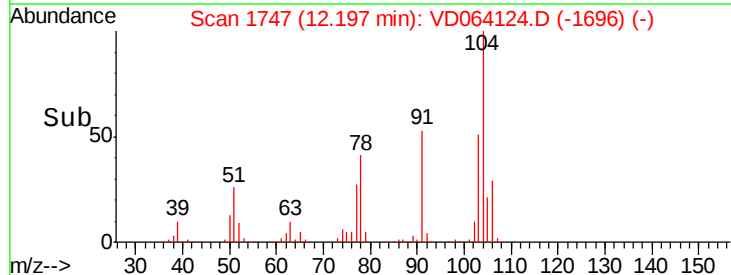
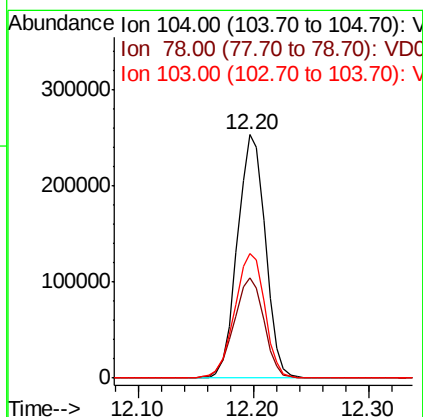
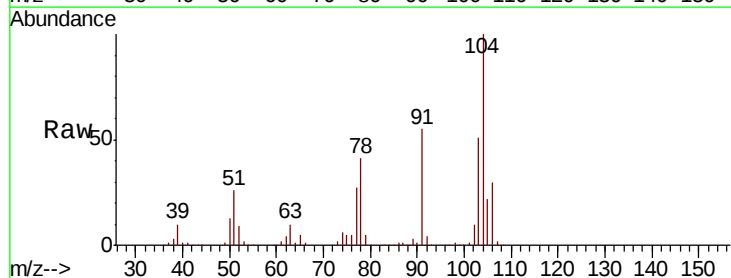
Instrument :
MSVOA_D
ClientSampleId :

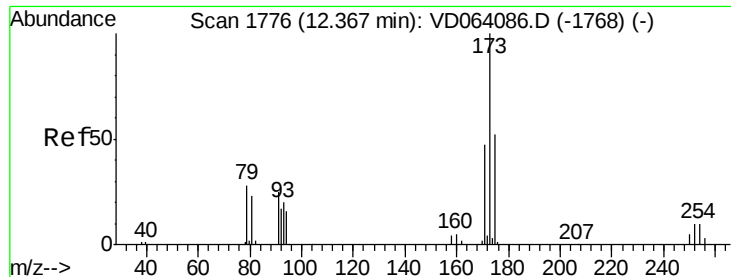
Tot Ion:106 Resp: 242202
Ion Ratio Lower Upper
106 100
91 198.4 100.6 301.9



#70
Styrene
Concen: 52.969 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:104 Resp: 423522
Ion Ratio Lower Upper
104 100
78 44.5 34.6 51.8
103 55.4 44.2 66.2





#71

Bromoform

Concen: 52.959 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

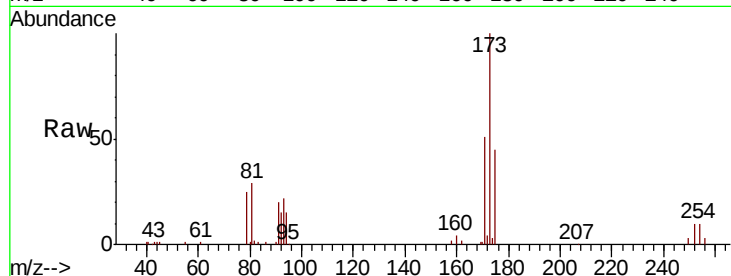
Tot Ion:173 Resp: 75146

Ion Ratio Lower Upper

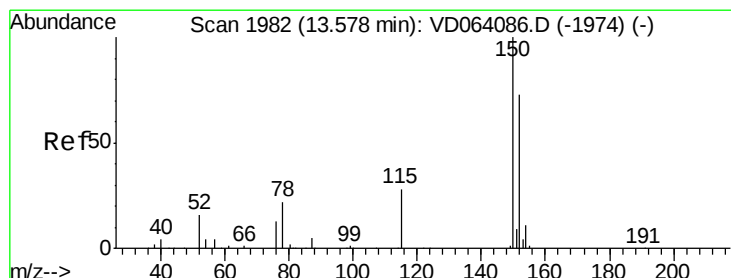
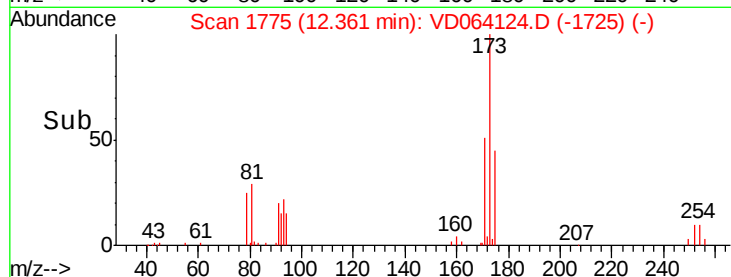
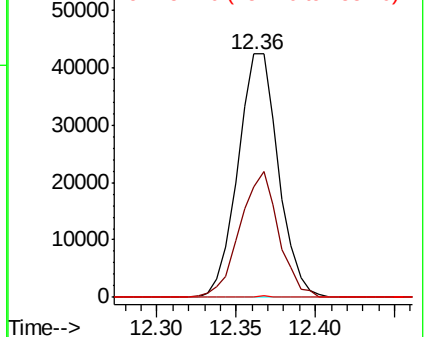
173 100

175 49.7 24.3 72.9

254 0.1 0.0 0.0#



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# 1982

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

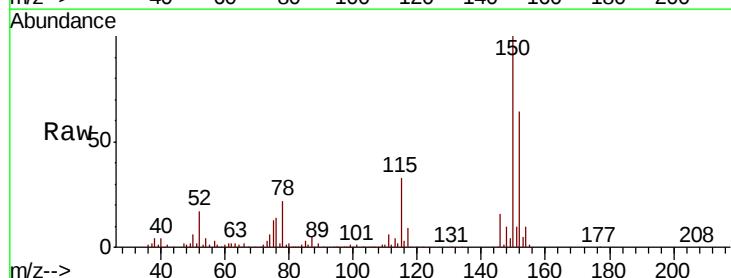
Tgt Ion:152 Resp: 194095

Ion Ratio Lower Upper

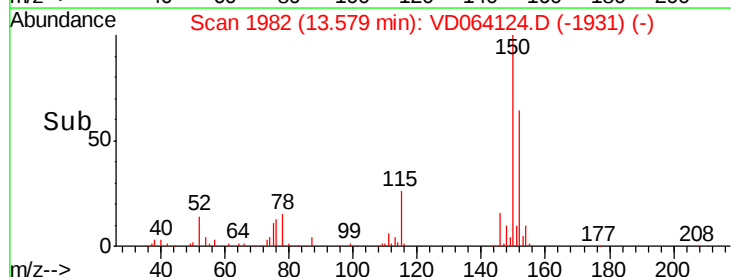
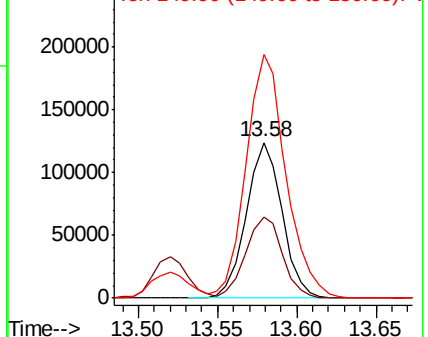
152 100

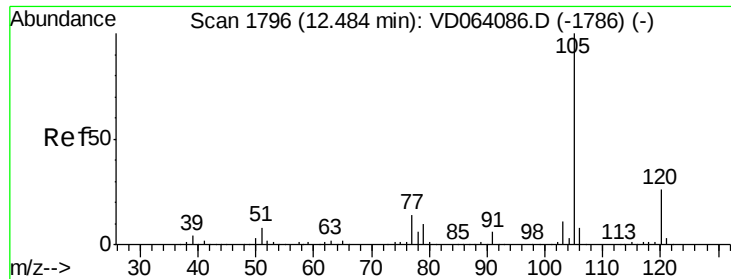
115 53.7 26.2 78.6

150 174.5 0.0 338.8



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: 48.666 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

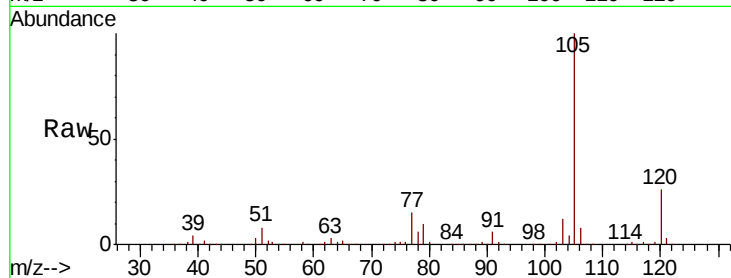
ClientSampleId :

Tot Ion:105 Resp: 656395

Ion Ratio Lower Upper

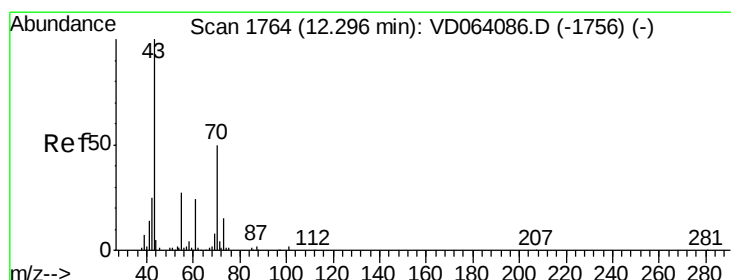
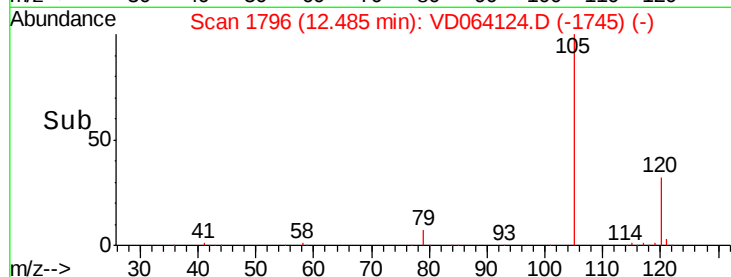
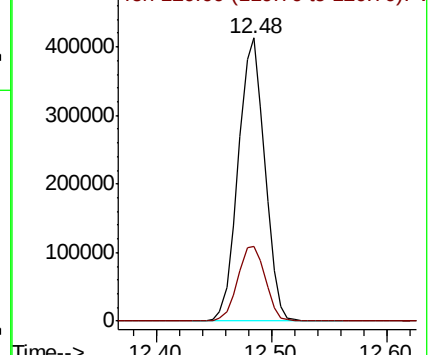
105 100

120 27.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.013 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion: 43 Resp: 116545

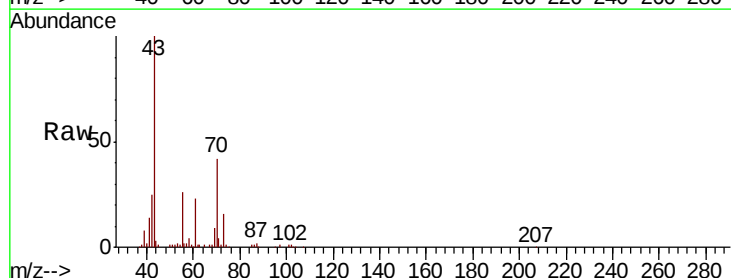
Ion Ratio Lower Upper

43 100

70 44.9 38.6 58.0

55 26.4 20.4 30.6

61 24.6 20.8 31.2

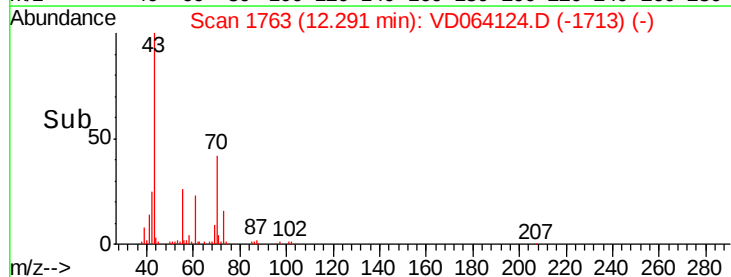
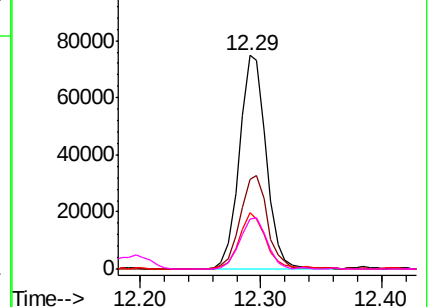


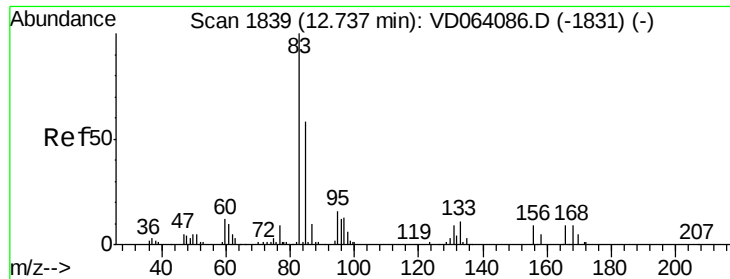
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.756 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

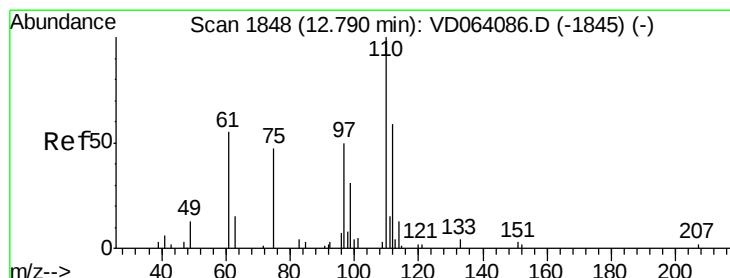
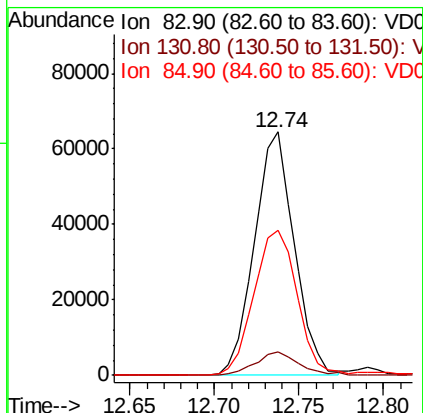
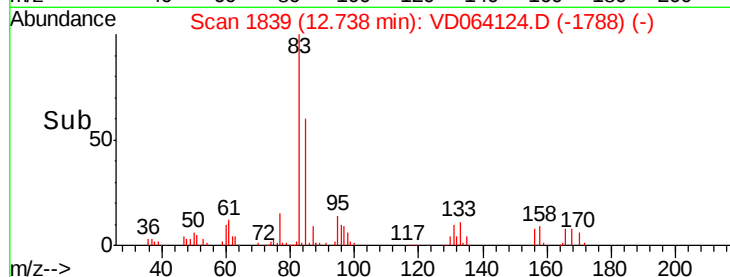
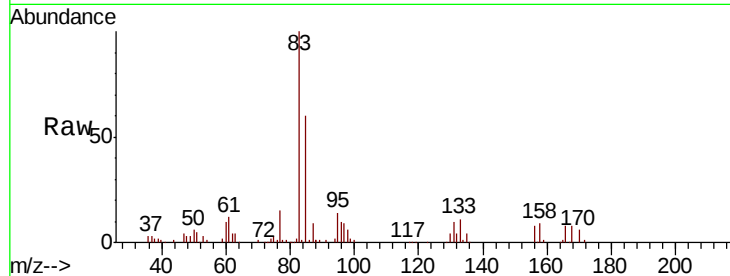
Tot Ion: 83 Resp: 105778

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

85 64.9 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 99.463 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064124.D

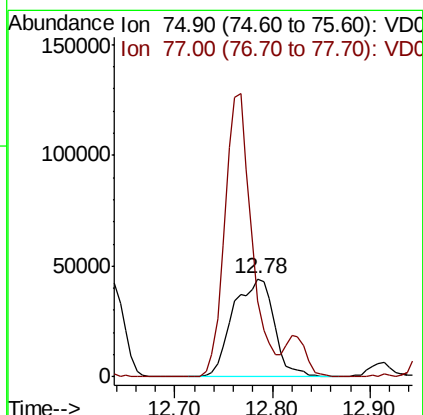
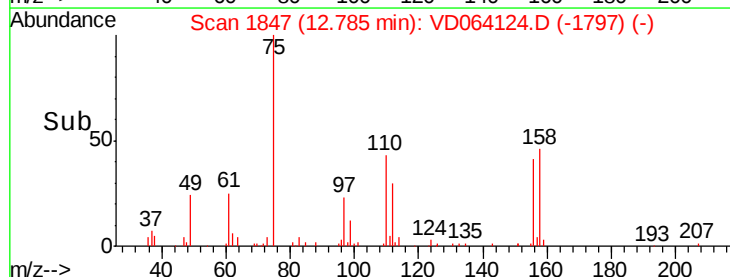
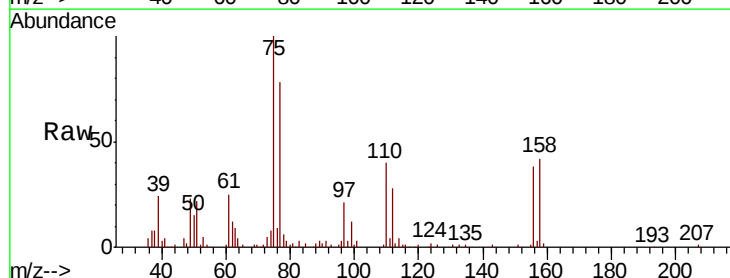
Acq: 30 Oct 2019 20:46

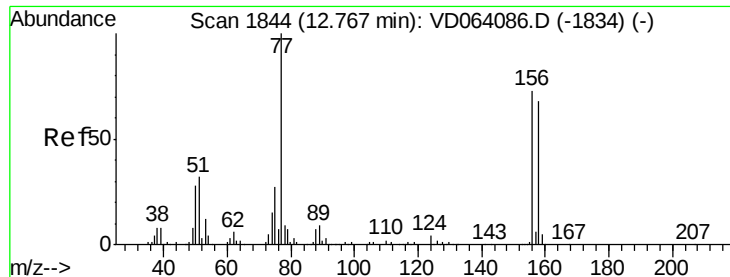
Tgt Ion: 75 Resp: 129720

Ion Ratio Lower Upper

75 100

77 188.1 0.0 0.0#





#77

Bromobenzene

Concen: 50.117 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

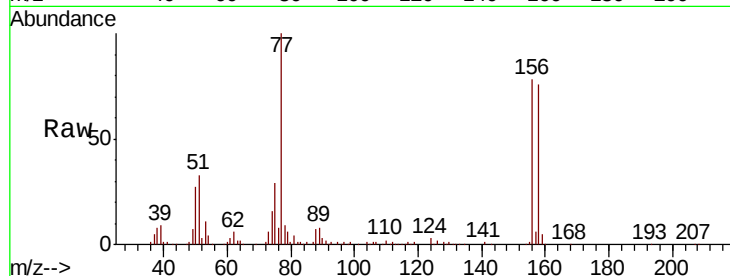
Tot Ion:156 Resp: 163206

Ion Ratio Lower Upper

156 100

77 149.5 76.0 228.0

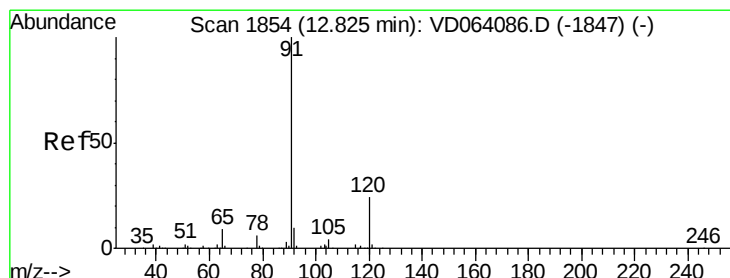
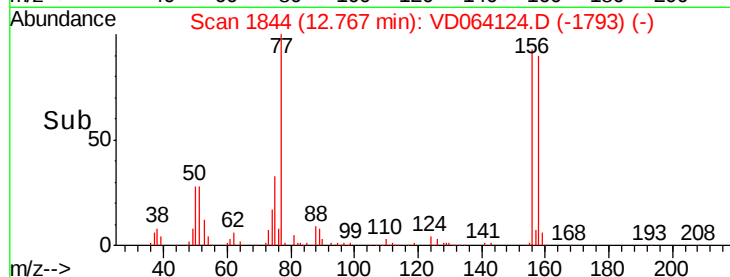
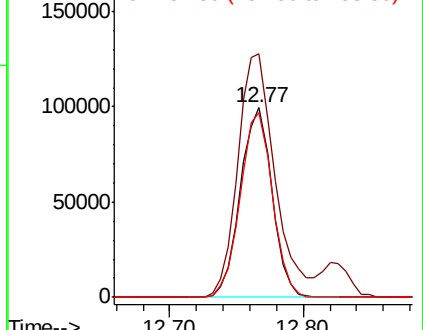
158 98.9 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.824 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064124.D

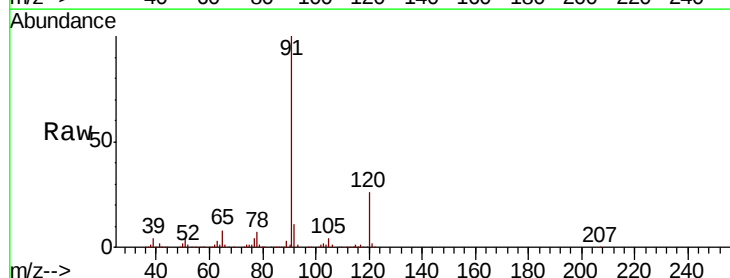
Acq: 30 Oct 2019 20:46

Tgt Ion: 91 Resp: 755909

Ion Ratio Lower Upper

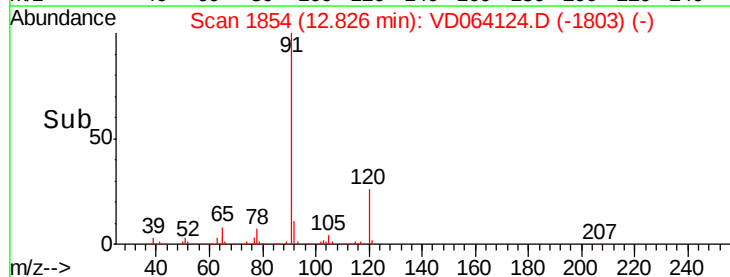
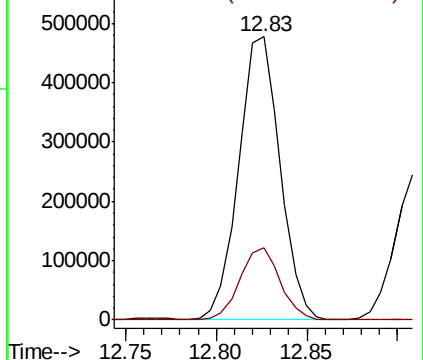
91 100

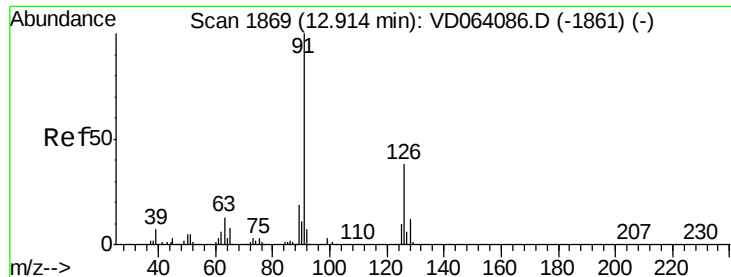
120 25.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

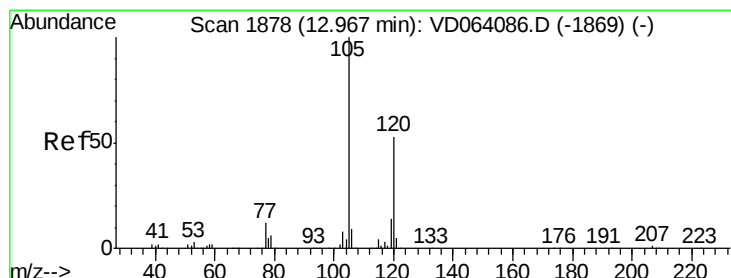
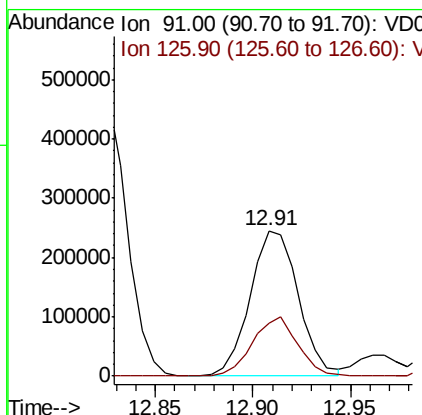
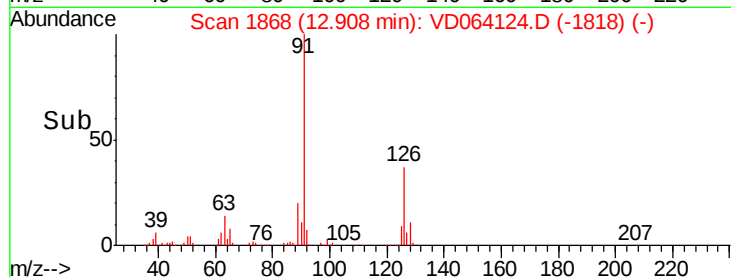
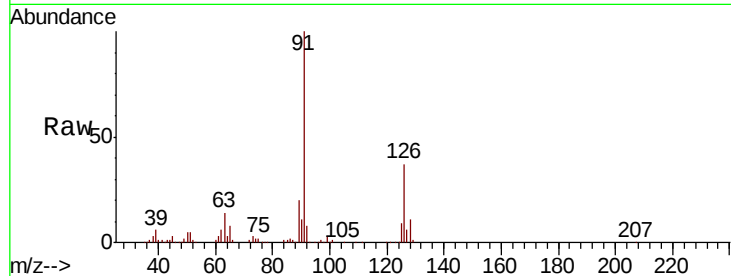




#79
2-Chlorotoluene
Concen: 49.427 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

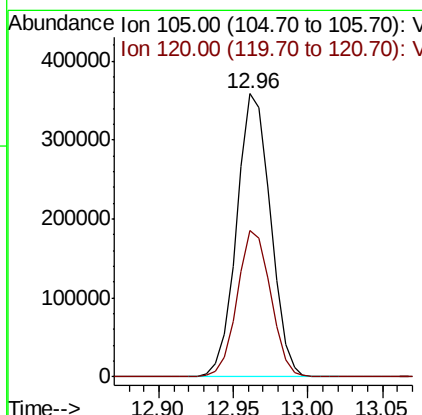
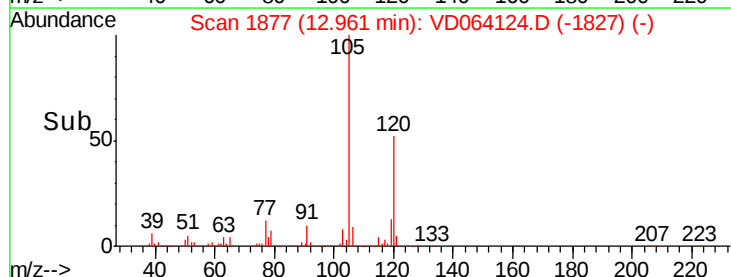
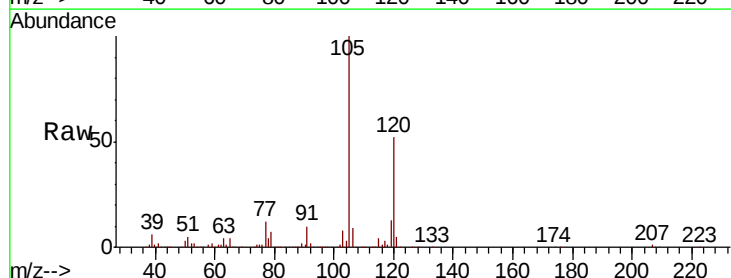
Instrument :
MSVOA_D
ClientSampled :

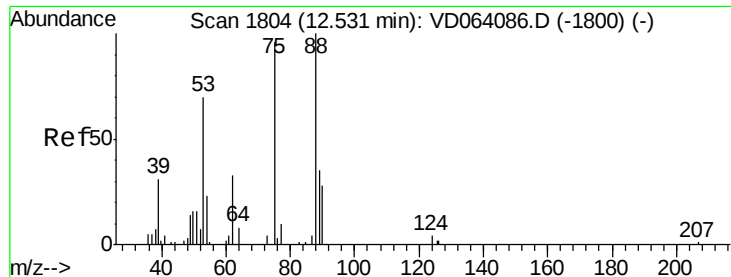
Tot Ion: 91 Resp: 418789
Ion Ratio Lower Upper
91 100
126 38.3 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 50.071 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 105 Resp: 565204
Ion Ratio Lower Upper
105 100
120 51.3 25.8 77.4

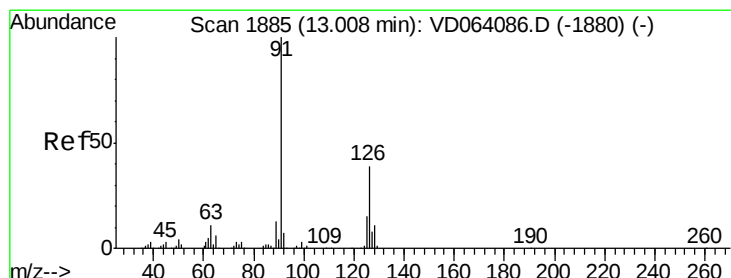
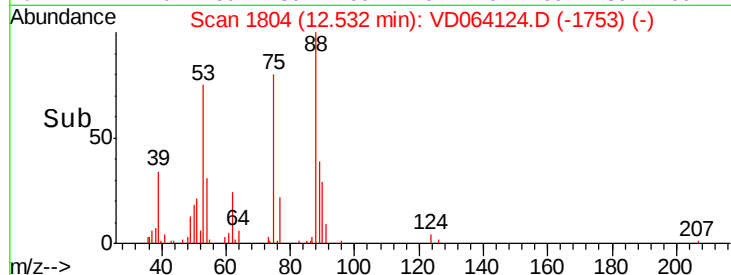
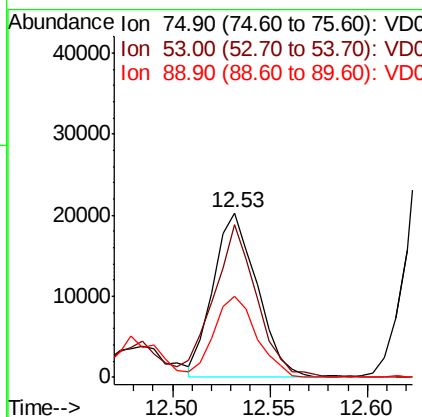
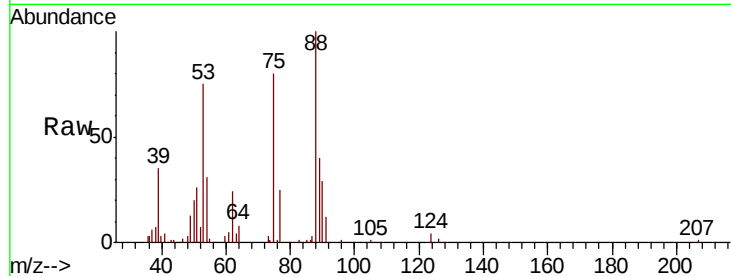




#81
trans-1,4-Dichloro-2-butene
Concen: 49.603 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

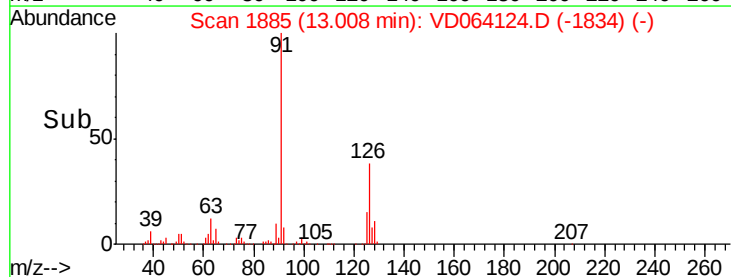
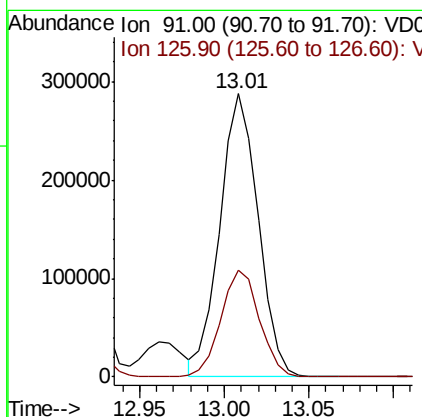
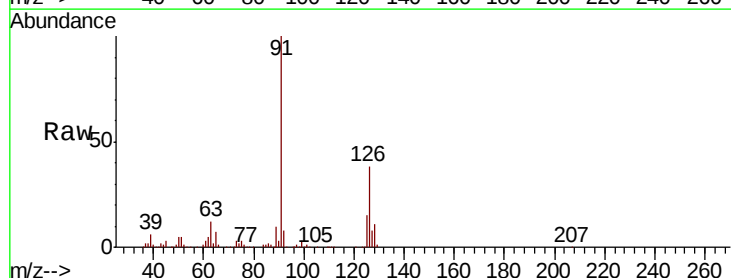
Instrument :
MSVOA_D
ClientSampleId :

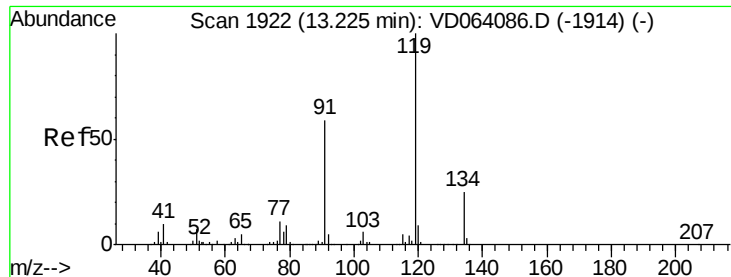
Tot Ion: 75 Resp: 31677
Ion Ratio Lower Upper
75 100
53 91.1 68.6 103.0
89 47.3 36.9 55.3



#82
4-Chlorotoluene
Concen: 50.104 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 91 Resp: 453617
Ion Ratio Lower Upper
91 100
126 38.2 18.9 56.5

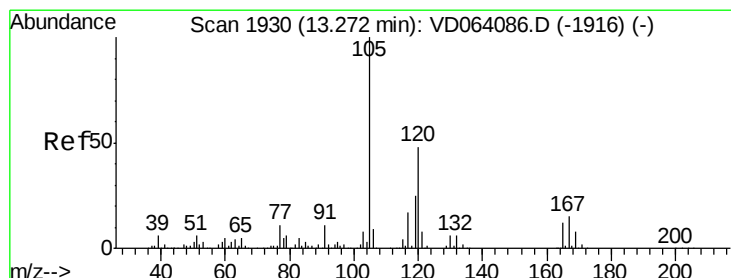
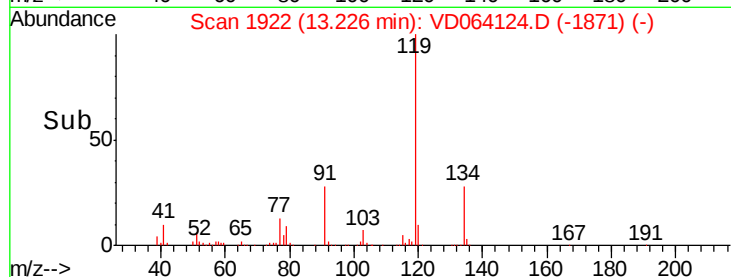
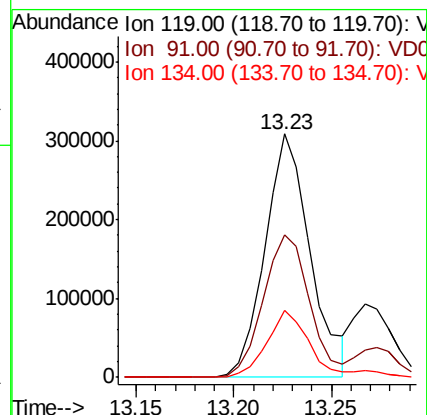
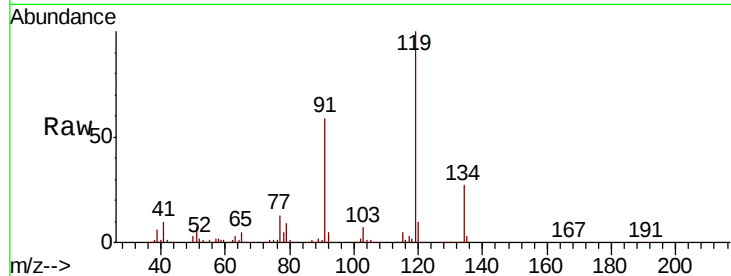




#83
tert-Butylbenzene
Concen: 48.913 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

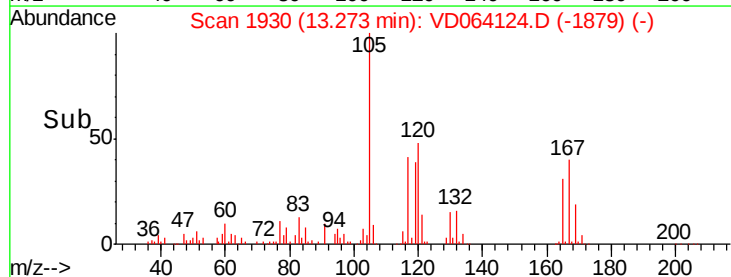
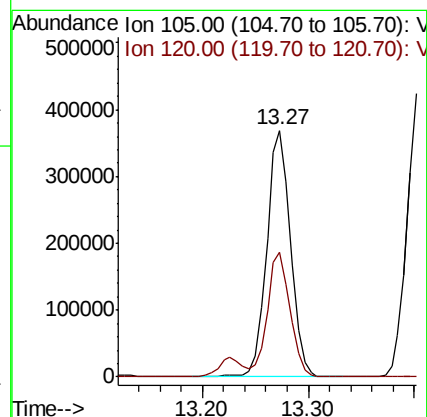
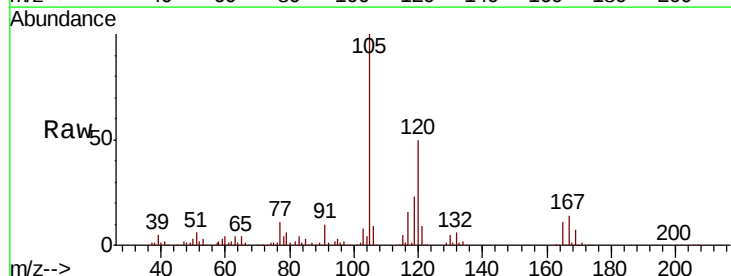
Instrument :
MSVOA_D
ClientSampled :

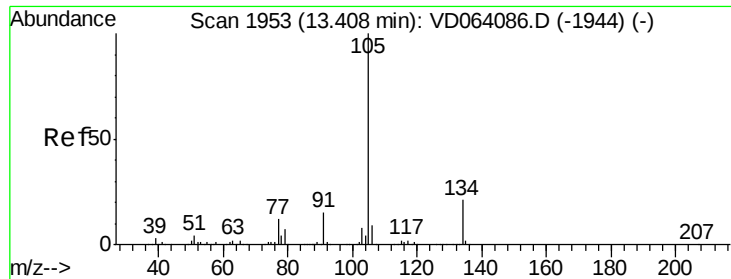
Tot Ion:119 Resp: 495920
Ion Ratio Lower Upper
119 100
91 59.8 28.3 85.0
134 27.2 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 50.602 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:105 Resp: 573804
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.4





#85

sec-Butylbenzene

Concen: 49.102 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

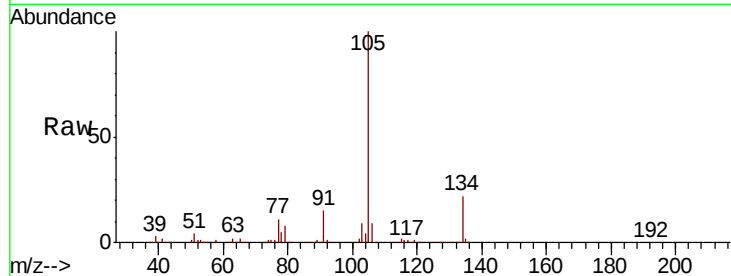
ClientSampleId :

Tot Ion:105 Resp: 683666

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

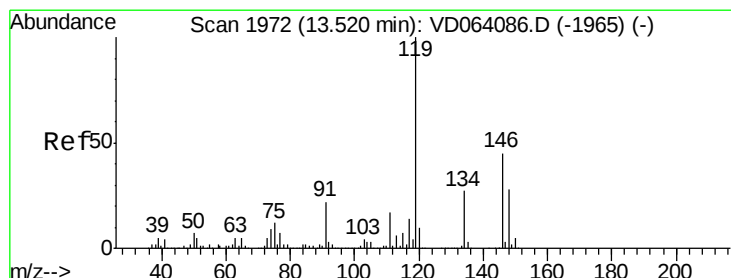
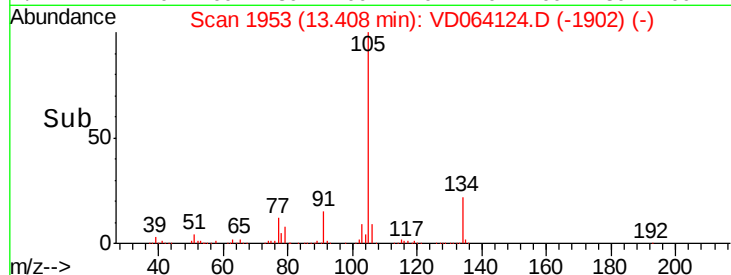
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.476 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

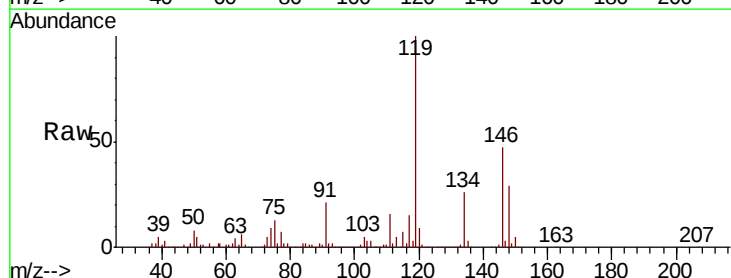
Tgt Ion:119 Resp: 660334

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 21.1 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

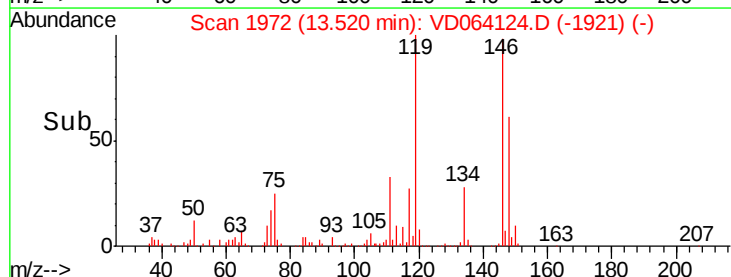
300000

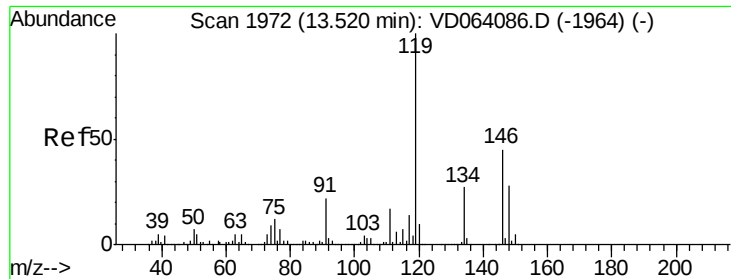
200000

100000

0

Time-->

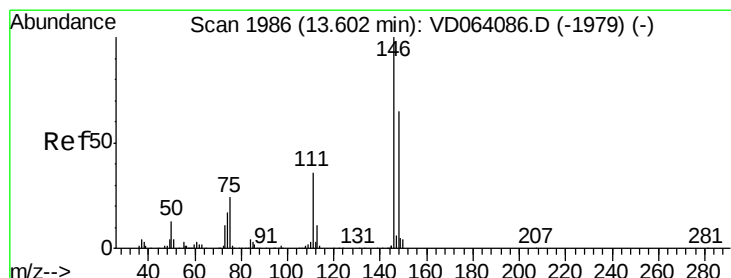
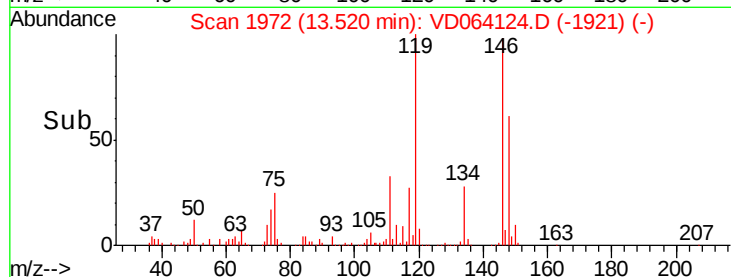
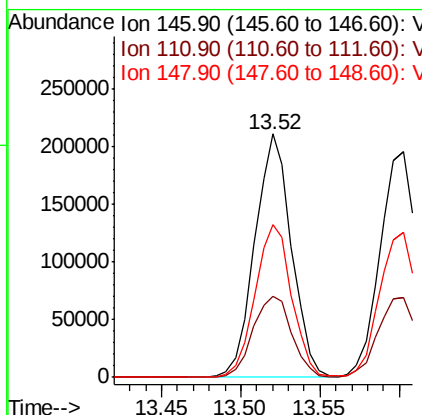
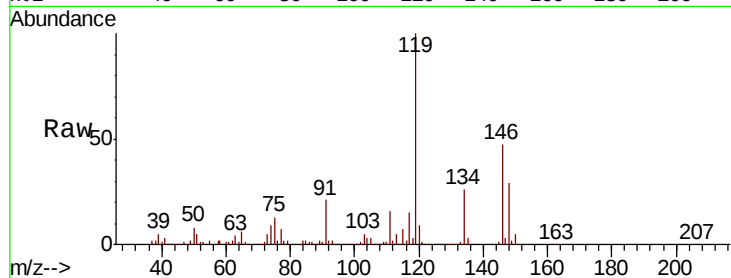




#87
 1,3-Dichlorobenzene
 Concen: 51.756 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

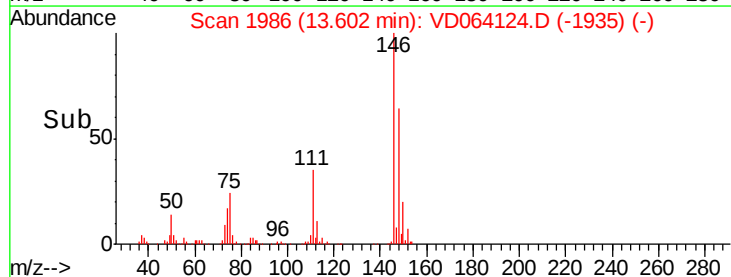
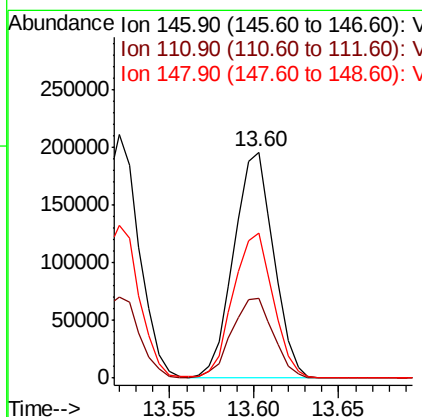
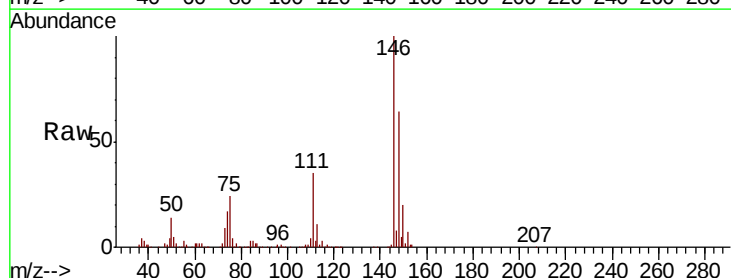
Instrument :
 MSVOA_D
 ClientSampleId :

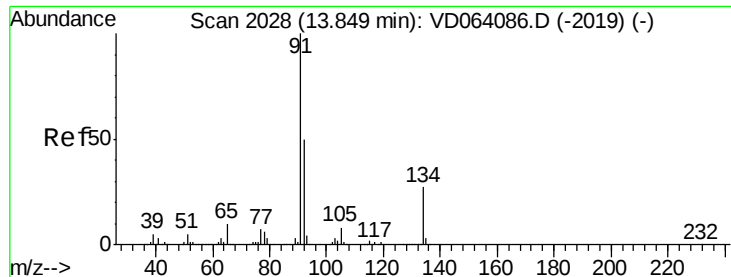
Tot Ion:146 Resp: 337760
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.9 56.9
 148 62.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 49.988 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion:146 Resp: 321583
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.4
 148 64.7 32.4 97.0





#89

n-Butylbenzene

Concen: 49.249 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

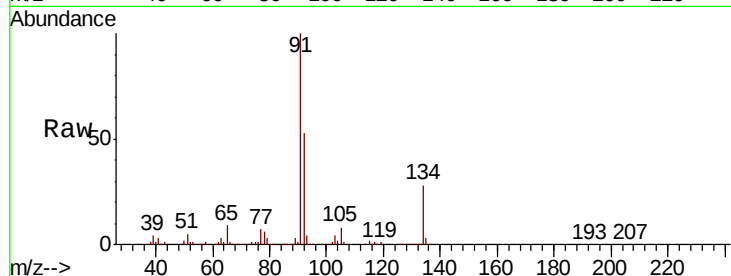
Tot Ion: 91 Resp: 594248

Ion Ratio Lower Upper

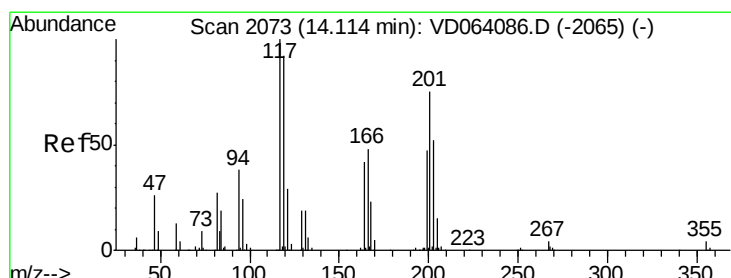
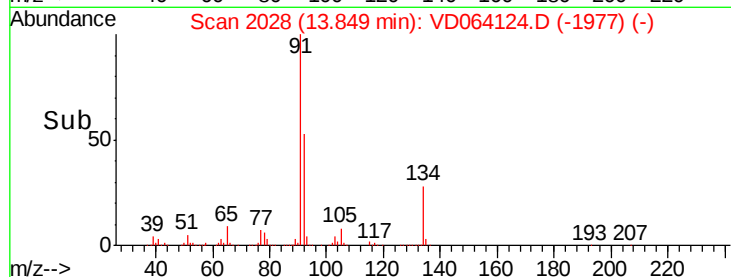
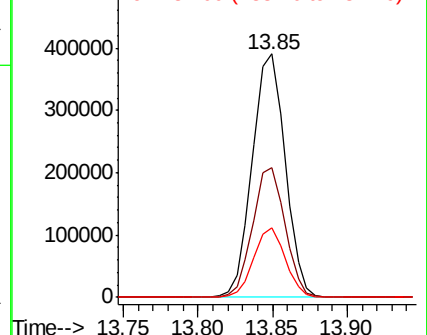
91 100

92 52.6 25.6 76.6

134 27.4 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 49.429 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD064124.D

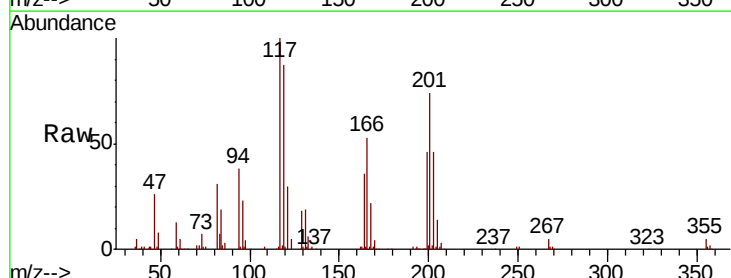
Acq: 30 Oct 2019 20:46

Tgt Ion: 117 Resp: 121065

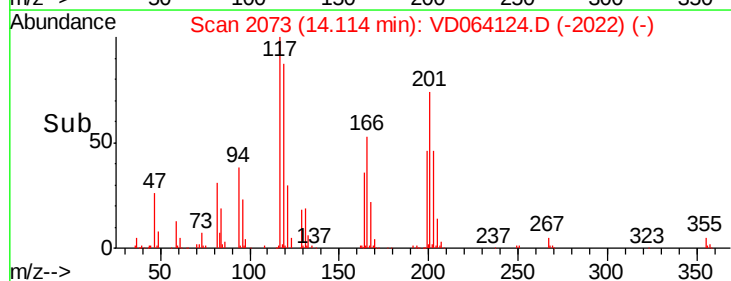
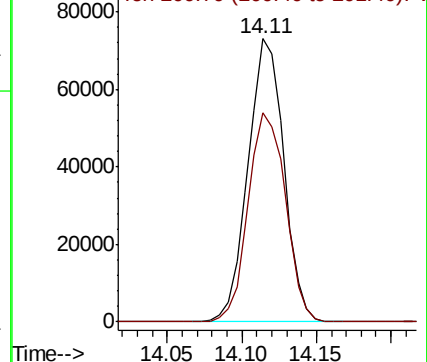
Ion Ratio Lower Upper

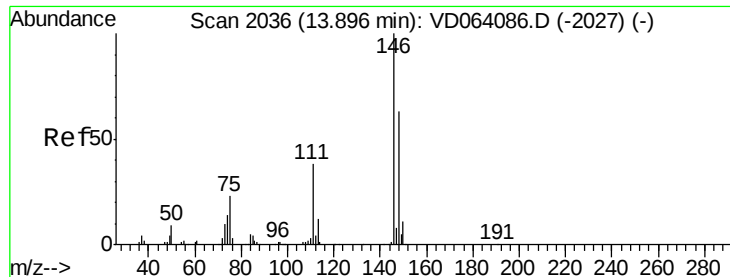
117 100

201 77.0 38.4 115.2



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC

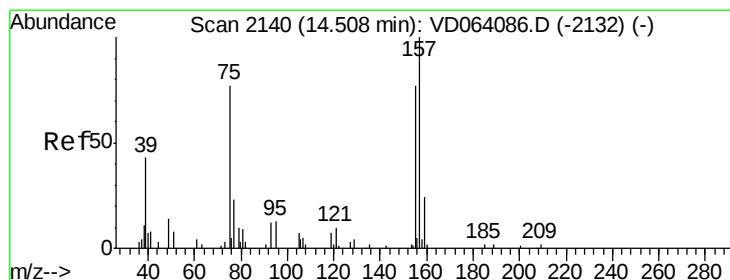
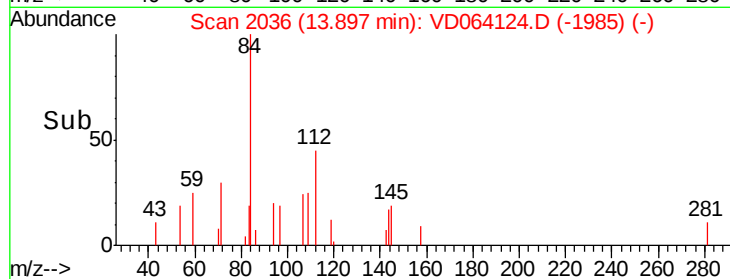
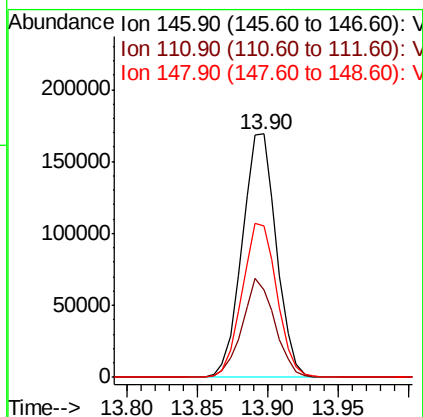
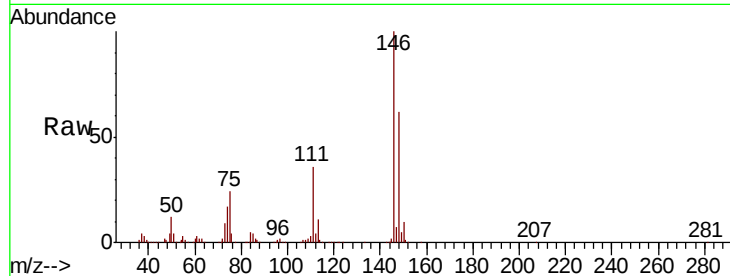




#91
 1,2-Dichlorobenzene
 Concen: 51.143 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

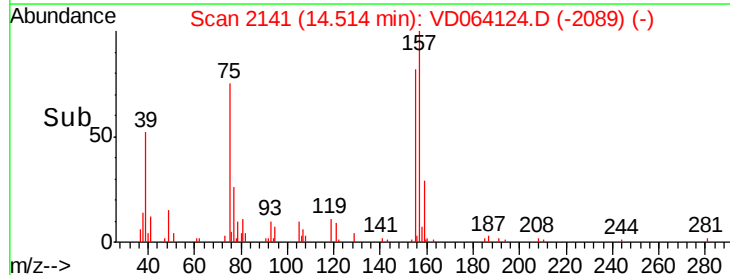
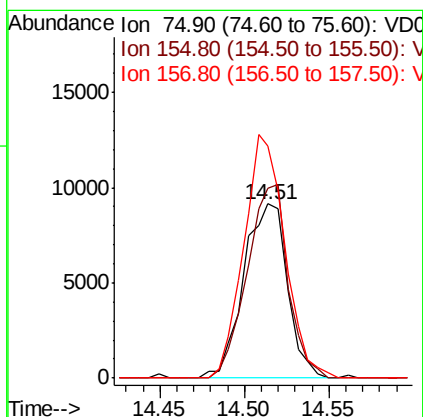
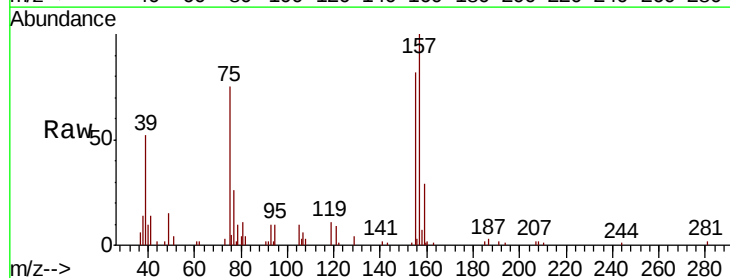
Instrument :
 MSVOA_D
 ClientSampleId :

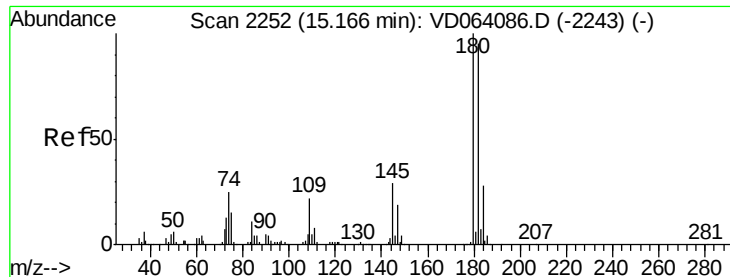
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.2	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.010 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	56.3	168.9
157	131.2	72.2	216.6

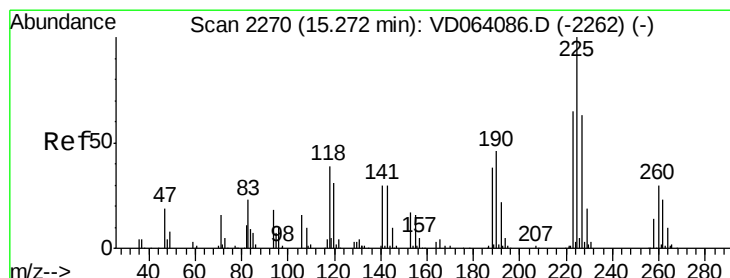
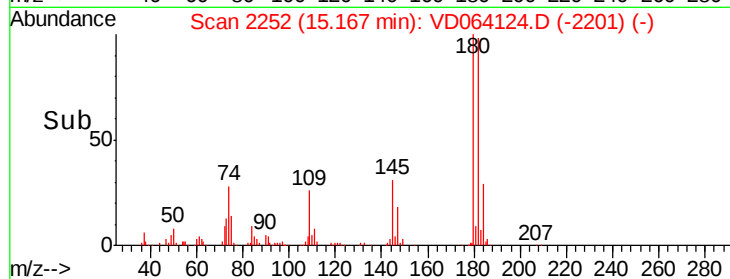
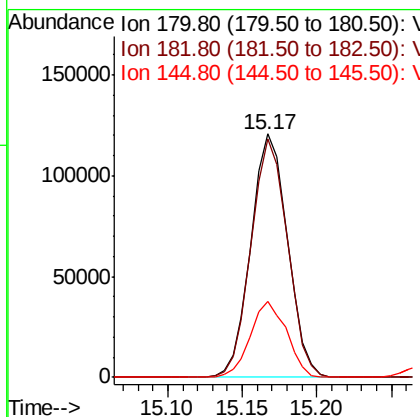
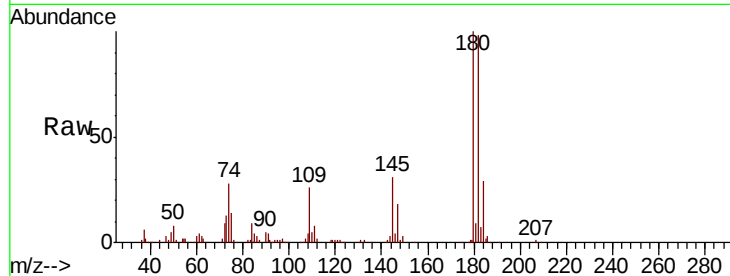




#93
 1,2,4-Trichlorobenzene
 Concen: 50.775 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

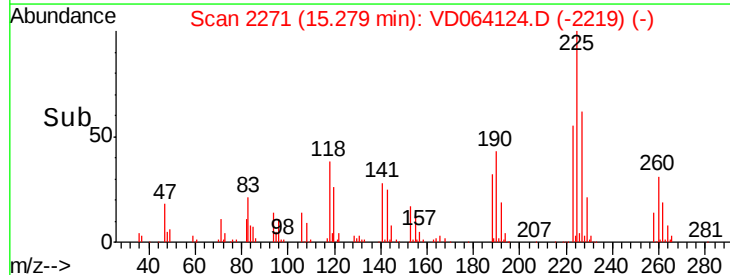
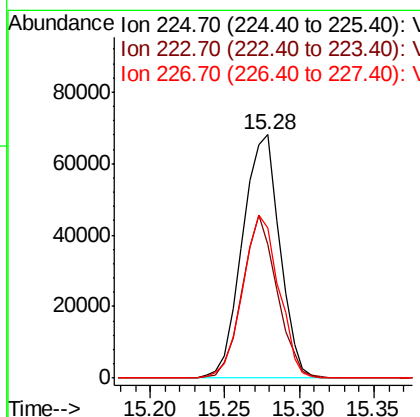
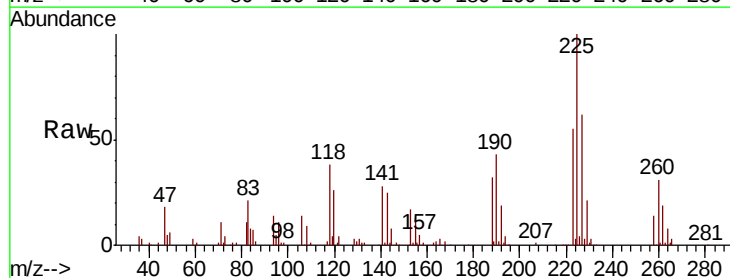
Instrument :
 MSVOA_D
 ClientSampleId :

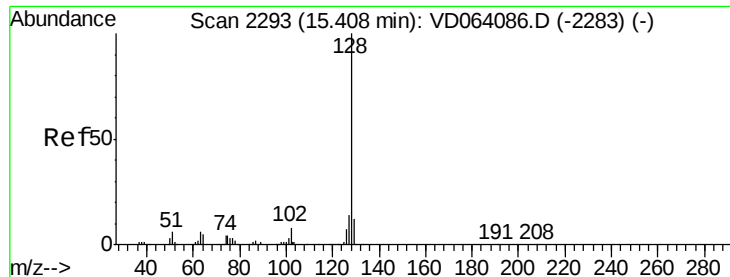
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.9	140.7
145	30.9	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 50.054 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.8	92.3
227	64.8	31.7	95.1

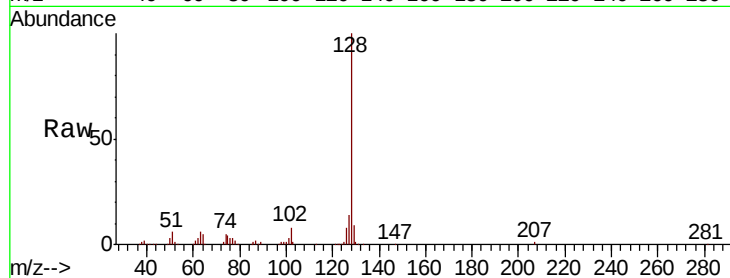




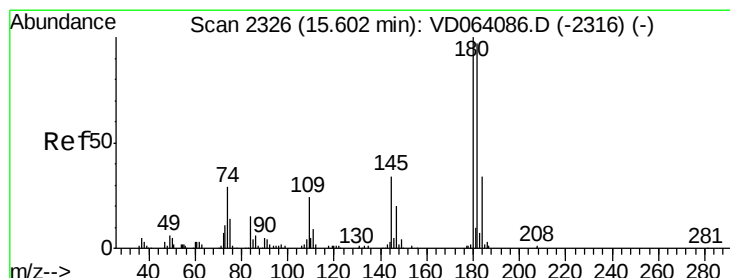
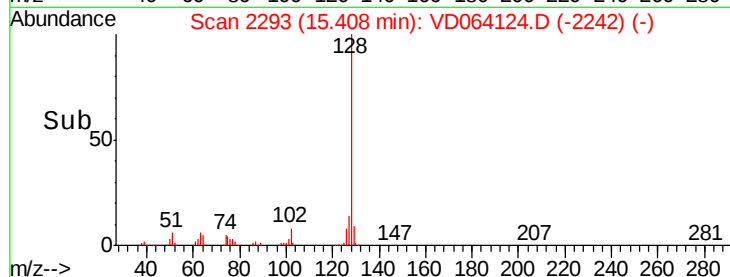
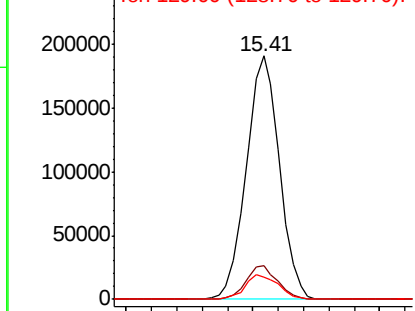
#95
Naphthalene
Concen: 52.573 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 346144
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 10.2 8.8 13.2

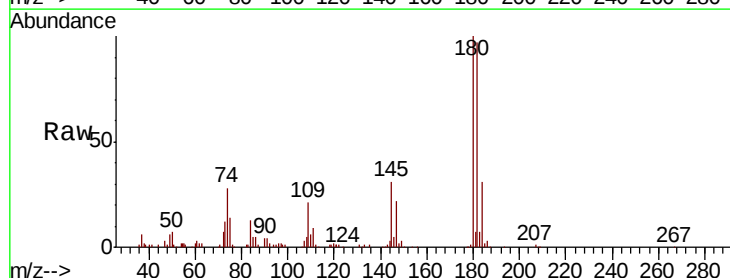


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.612 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:180 Resp: 173487
Ion Ratio Lower Upper
180 100
182 99.1 48.4 145.0
145 31.2 16.4 49.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

