

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064110.D
 Acq On : 30 Oct 2019 12:56
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:02:37 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	7.98	168	222416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	334662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	310170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	91354	51.64	ug/l	-0.01
Spiked Amount						
			Recovery	=		103.28%
35) Dibromofluoromethane	7.92	113	103252	50.15	ug/l	0.00
Spiked Amount						
			Recovery	=		100.30%
50) Toluene-d8	10.34	98	401919	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=		97.62%
62) 4-Bromofluorobenzene	12.64	95	131724	48.25	ug/l	0.00
Spiked Amount						
			Recovery	=		96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	49014	21.581	ug/l	97
3) Chloromethane	2.21	50	79207	20.903	ug/l	97
4) Vinyl Chloride	2.35	62	86344	21.012	ug/l	99
5) Bromomethane	2.76	94	52756	19.700	ug/l	98
6) Chloroethane	2.91	64	52872	20.715	ug/l #	85
7) Trichlorofluoromethane	3.27	101	117134	20.707	ug/l	97
8) Diethyl Ether	3.70	74	19415	19.745	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	41150	20.186	ug/l	99
10) Methyl Iodide	4.30	142	47668	18.873	ug/l #	90
11) Tert butyl alcohol	5.25	59	7103	74.248	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	40303	20.889	ug/l	89
13) Acrolein	3.92	56	10719	95.037	ug/l	92
14) Allyl chloride	4.71	41	45844	20.301	ug/l	98
15) Acrylonitrile	5.42	53	34912	96.121	ug/l	97
16) Acetone	4.17	43	31520	93.652	ug/l #	76
17) Carbon Disulfide	4.40	76	120068	20.251	ug/l	98
18) Methyl Acetate	4.73	43	15840	17.693	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	76079	19.433	ug/l	93
20) Methylene Chloride	4.96	84	47700	19.716	ug/l #	83
21) trans-1,2-Dichloroethene	5.47	96	44050	20.339	ug/l	90
22) Diisopropyl ether	6.36	45	96369	19.269	ug/l	95
23) Vinyl Acetate	6.31	43	277192	101.115	ug/l	99
24) 1,1-Dichloroethane	6.26	63	69509	20.582	ug/l	94
25) 2-Butanone	7.23	43	42963	92.336	ug/l	93
26) 2,2-Dichloropropane	7.21	77	61462	19.175	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	49280	20.335	ug/l	97
28) Bromochloromethane	7.55	49	19785	16.603	ug/l	99
29) Tetrahydrofuran	7.57	42	27565	101.510	ug/l	96
30) Chloroform	7.71	83	77682	20.102	ug/l	97
31) Cyclohexane	7.98	56	64481	19.598	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	73829	20.524	ug/l	96
36) 1,1-Dichloropropene	8.12	75	60925	19.428	ug/l	99
37) Ethyl Acetate	7.30	43	19801	20.514	ug/l #	95
38) Carbon Tetrachloride	8.10	117	70027	20.467	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	76247	19.807	ug/l	91
40) Benzene	8.35	78	166703	19.494	ug/l	95
41) Methacrylonitrile	7.52	41	9488	17.033	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	44098	19.522	ug/l	99
43) Isopropyl Acetate	8.46	43	36315	18.617	ug/l	98
44) Trichloroethene	9.11	130	54771	21.132	ug/l	99
45) 1,2-Dichloropropane	9.39	63	37875	19.111	ug/l	97
46) Dibromomethane	9.48	93	22623	18.954	ug/l	98
47) Bromodichloromethane	9.66	83	58754	19.512	ug/l	95
48) Methyl methacrylate	9.46	41	17604	19.515	ug/l	95
49) 1,4-Dioxane	9.46	88	6021	440.698	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	98598	92.846	ug/l	100
52) Toluene	10.41	92	115273	19.235	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	53132	18.903	ug/l	89
54) cis-1,3-Dichloropropene	10.09	75	64270	19.435	ug/l #	92
55) 1,1,2-Trichloroethane	10.81	97	32698	19.322	ug/l #	91
56) Ethyl methacrylate	10.67	69	35104	19.055	ug/l	94
57) 1,3-Dichloropropane	10.95	76	50770	18.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	72854	98.268	ug/l	100
59) 2-Hexanone	10.99	43	68859	88.750	ug/l	100
60) Dibromochloromethane	11.14	129	42773	18.622	ug/l	98
61) 1,2-Dibromoethane	11.25	107	33025	19.513	ug/l	99
64) Tetrachloroethene	10.88	164	47980	21.532	ug/l	96
65) Chlorobenzene	11.67	112	129605	20.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	47516	19.814	ug/l	98
67) Ethyl Benzene	11.75	91	230405	20.213	ug/l	94
68) m/p-Xylenes	11.86	106	186905	40.764	ug/l	99
69) o-Xylene	12.18	106	82106	19.622	ug/l	97
70) Styrene	12.20	104	142191	19.703	ug/l	98
71) Bromoform	12.37	173	25611	19.997	ug/l #	95
73) Isopropylbenzene	12.48	105	230286	20.139	ug/l	96
74) N-amyl acetate	12.29	43	35243	18.552	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	36184	20.076	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	45199	40.878	ug/l #	100
77) Bromobenzene	12.77	156	58837	21.311	ug/l	94
78) n-propylbenzene	12.83	91	271739	20.279	ug/l	99
79) 2-Chlorotoluene	12.91	91	147015	20.466	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	198071	20.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10689	19.743	ug/l	95
82) 4-Chlorotoluene	13.01	91	155338	20.238	ug/l	99
83) tert-Butylbenzene	13.23	119	178474	20.763	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	195202	20.305	ug/l	99
85) sec-Butylbenzene	13.41	105	240562	20.380	ug/l	100
86) p-Isopropyltoluene	13.52	119	229142	20.660	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	114408	20.679	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	110514	20.263	ug/l	98
89) n-Butylbenzene	13.85	91	201734	19.720	ug/l	95
90) Hexachloroethane	14.11	117	42458	20.447	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	95519	20.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5407	20.541	ug/l	92

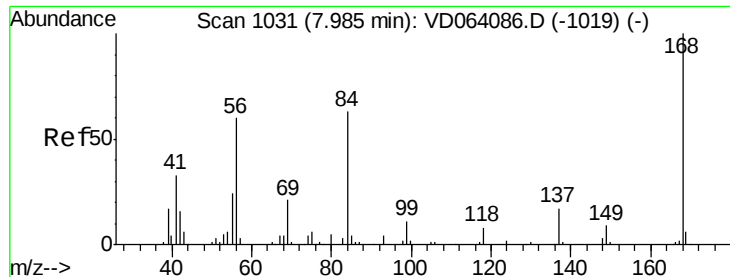
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71712	20.952	ug/l	99
94) Hexachlorobutadiene	15.28	225	43888	21.940	ug/l	98
95) Naphthalene	15.41	128	111715	20.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58404	19.700	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

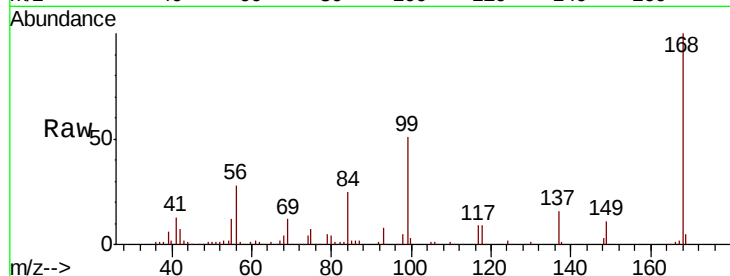
ClientSampleId :

Tot Ion:168 Resp: 222416

Ion Ratio Lower Upper

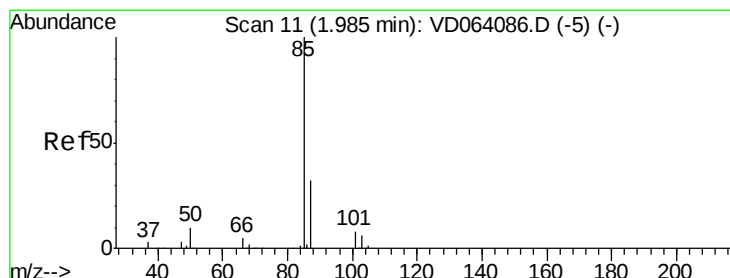
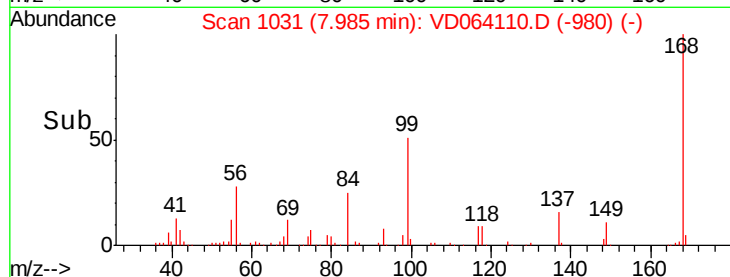
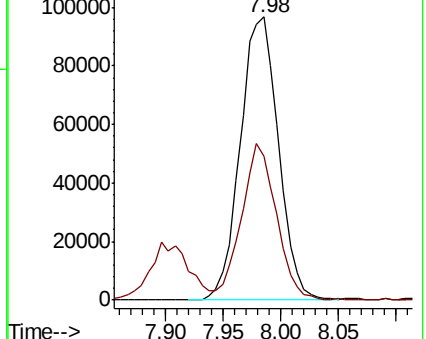
168 100

99 50.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.581 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064110.D

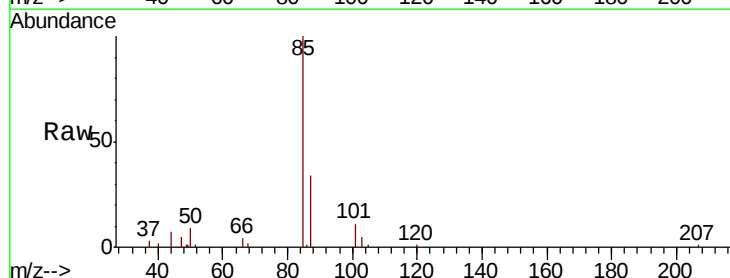
Acq: 30 Oct 2019 12:56

Tgt Ion: 85 Resp: 49014

Ion Ratio Lower Upper

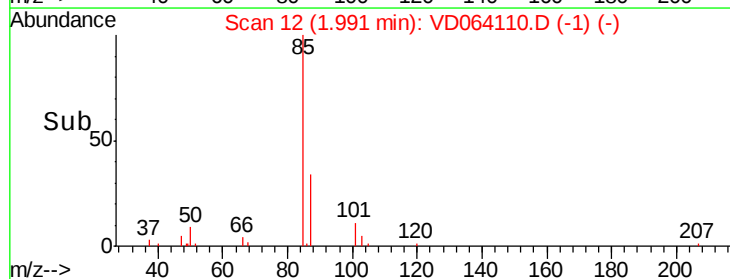
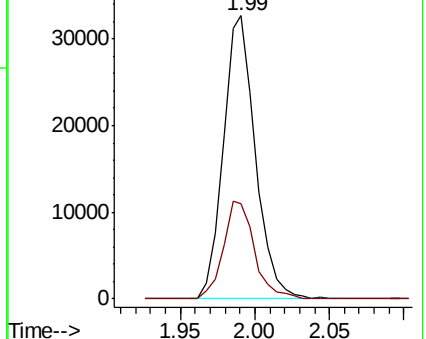
85 100

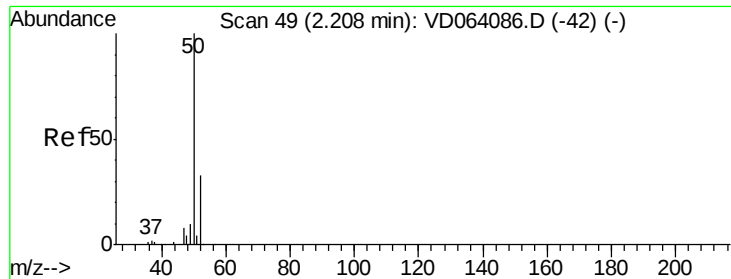
87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.903 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

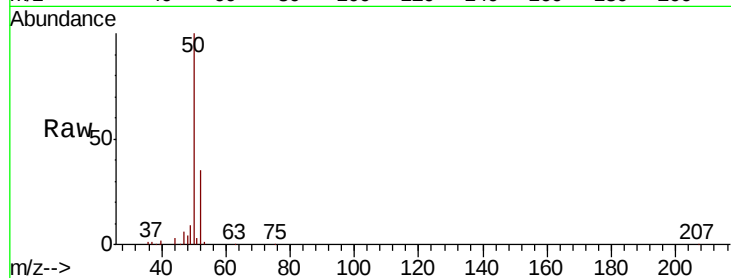
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 79207

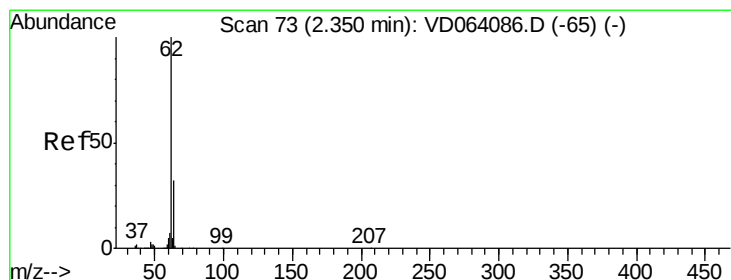
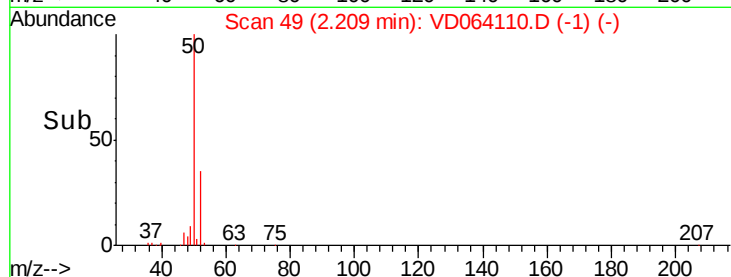
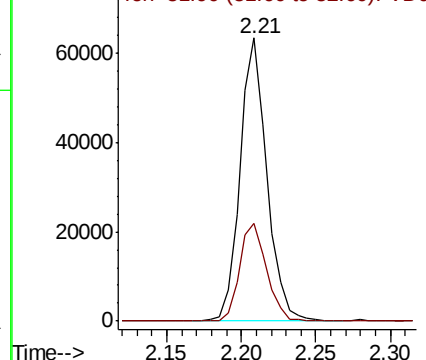
Ion Ratio Lower Upper

50 100

52 34.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.012 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064110.D

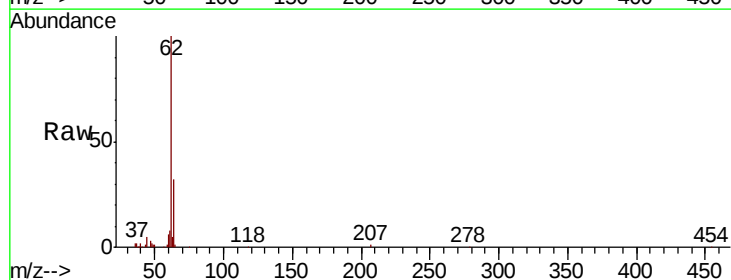
Acq: 30 Oct 2019 12:56

Tgt Ion: 62 Resp: 86344

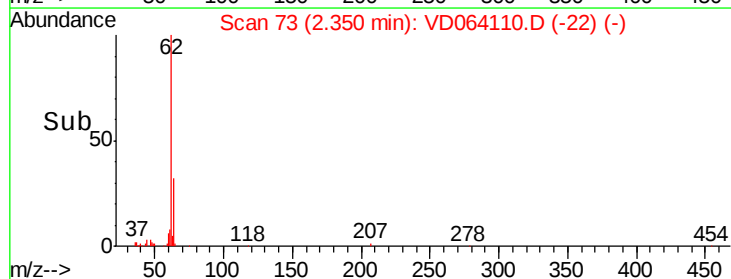
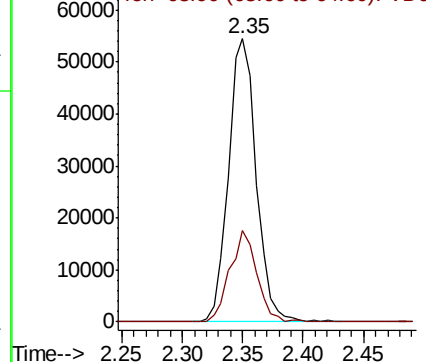
Ion Ratio Lower Upper

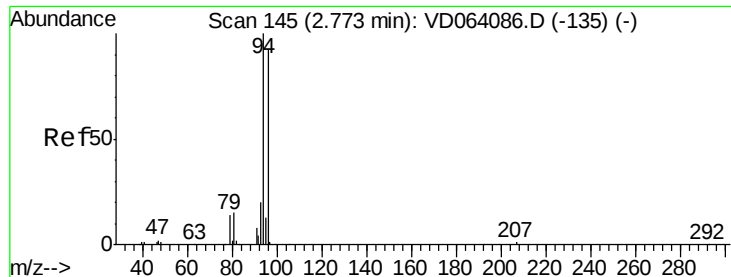
62 100

64 32.4 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: 19.700 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

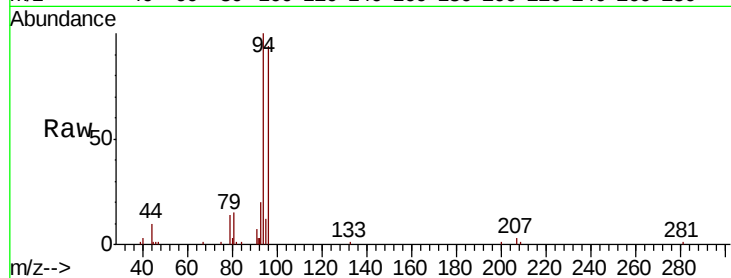
ClientSampleId :

Tot Ion: 94 Resp: 52756

Ion Ratio Lower Upper

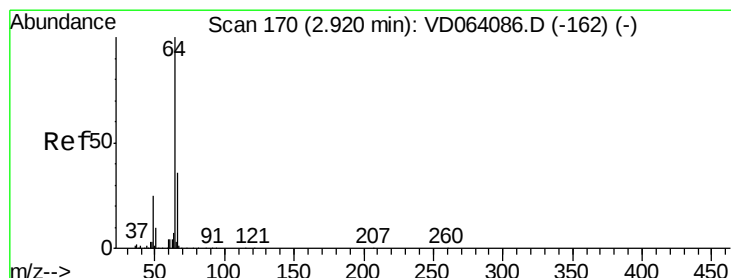
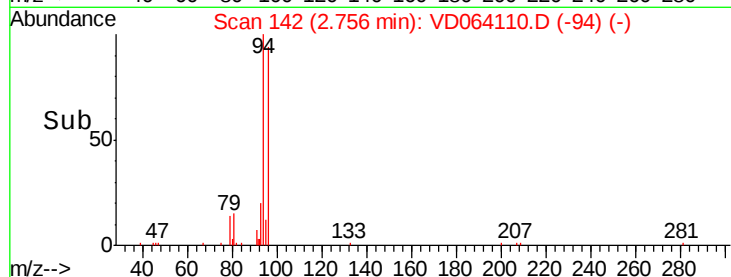
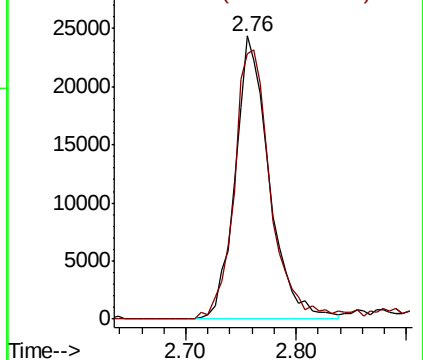
94 100

96 94.0 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: 20.715 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064110.D

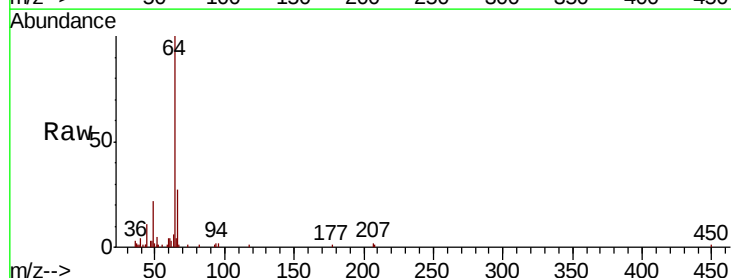
Acq: 30 Oct 2019 12:56

Tgt Ion: 64 Resp: 52872

Ion Ratio Lower Upper

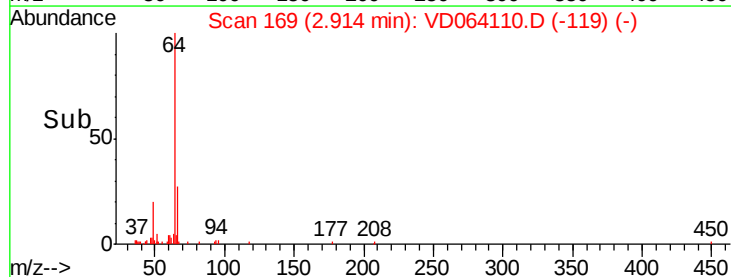
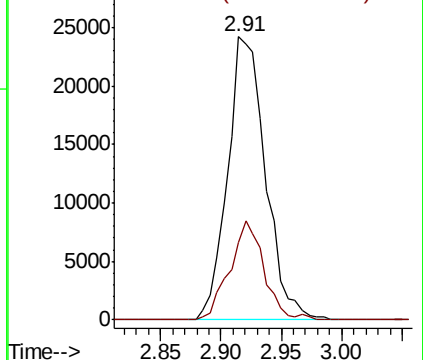
64 100

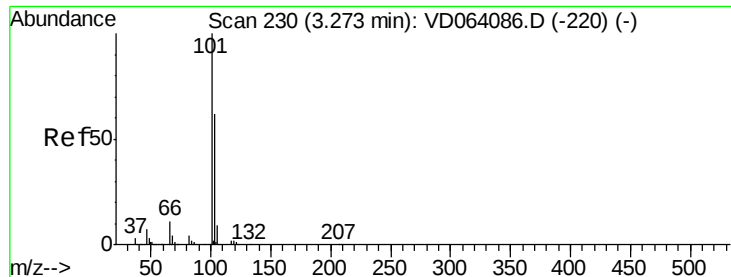
66 27.3 28.7 43.1#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



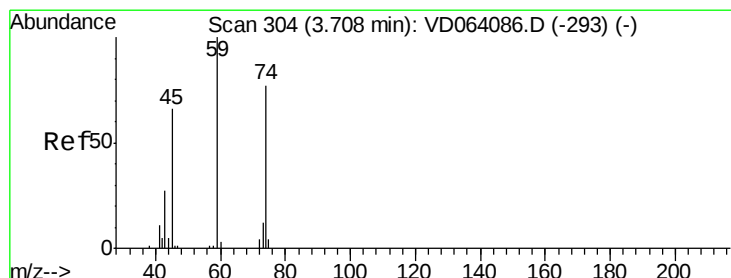
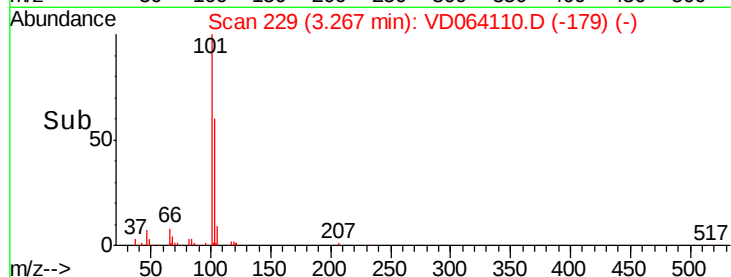
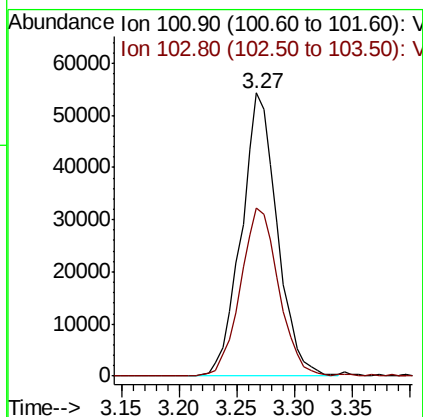
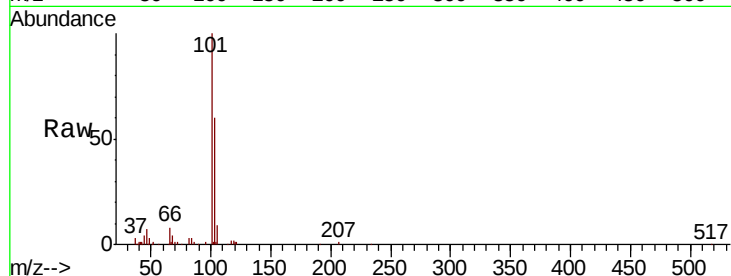


#7

Trichlorofluoromethane
Concen: 20.707 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :

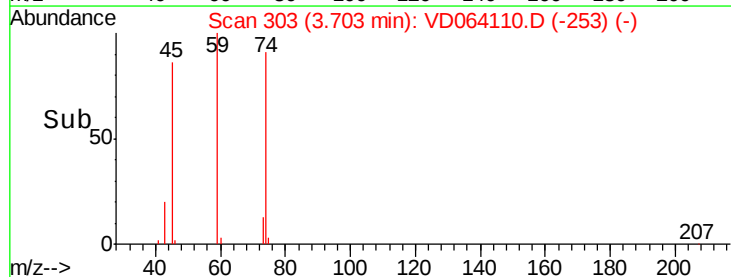
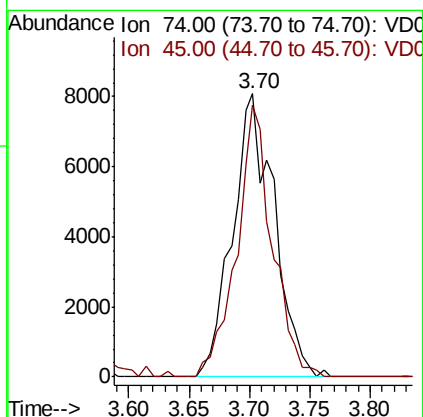
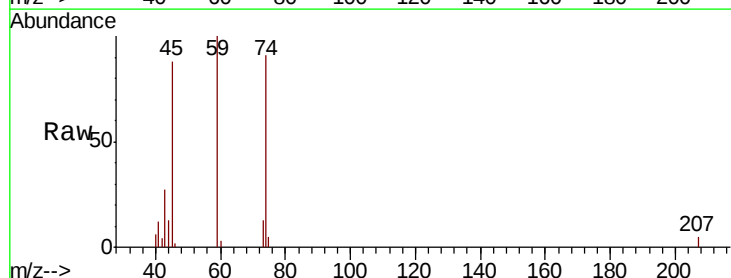
Tot Ion:101 Resp: 117134
Ion Ratio Lower Upper
101 100
103 59.6 49.6 74.4

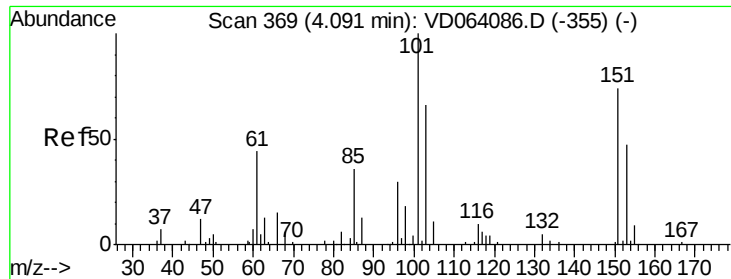


#8

Diethyl Ether
Concen: 19.745 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 74 Resp: 19415
Ion Ratio Lower Upper
74 100
45 82.2 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.186 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

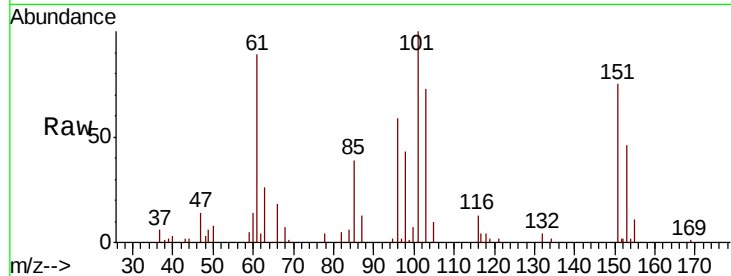
Tot Ion:101 Resp: 41150

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

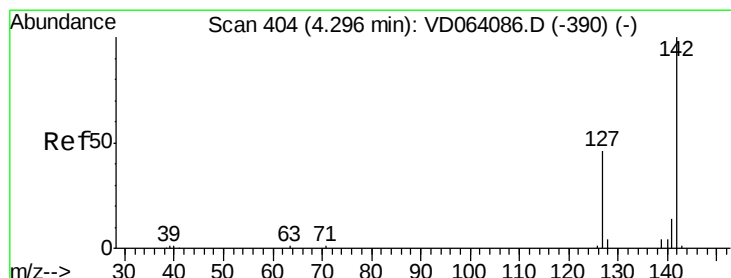
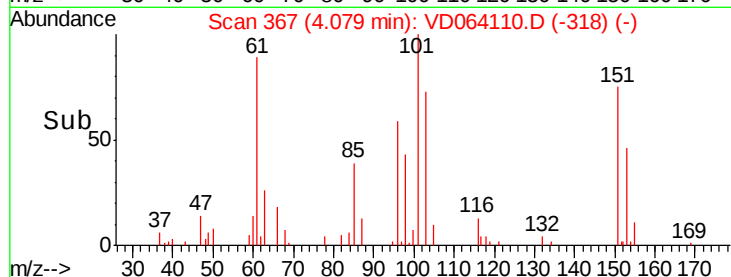
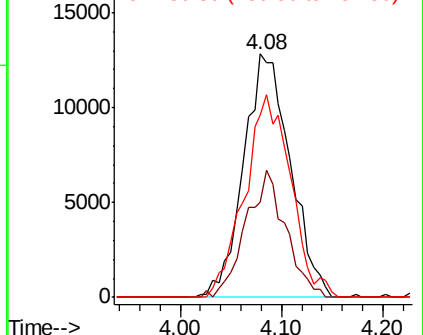
151 82.6 67.0 100.6



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: 18.873 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

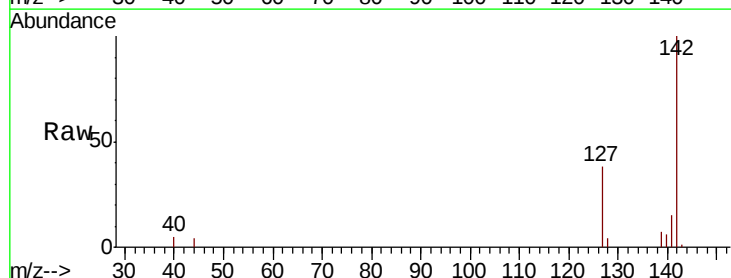
Tgt Ion:142 Resp: 47668

Ion Ratio Lower Upper

142 100

127 44.9 35.1 52.7

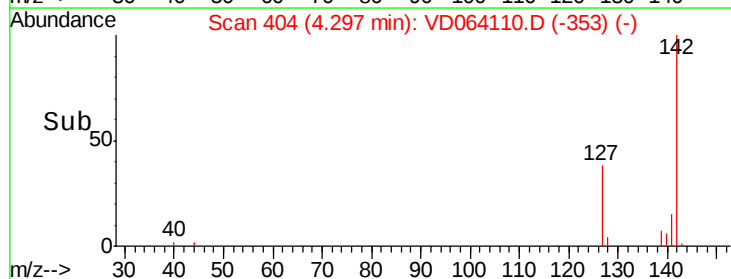
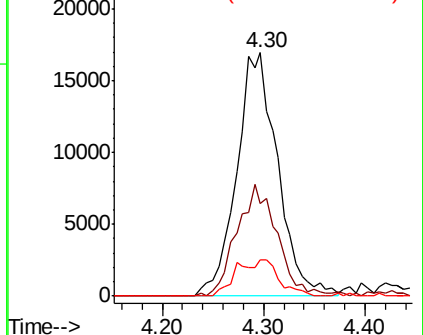
141 0.0 11.6 17.4#

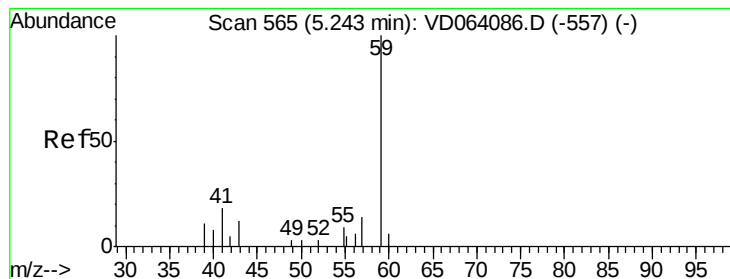


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



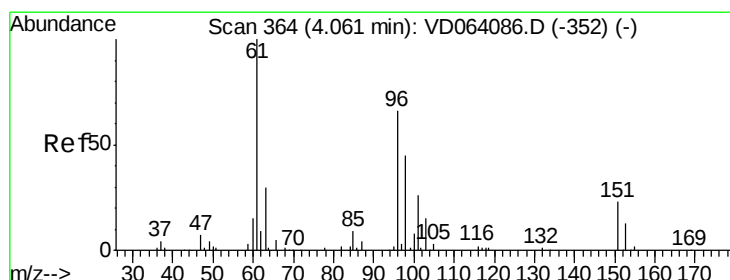
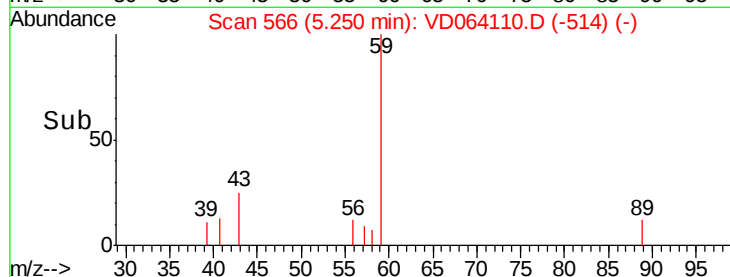
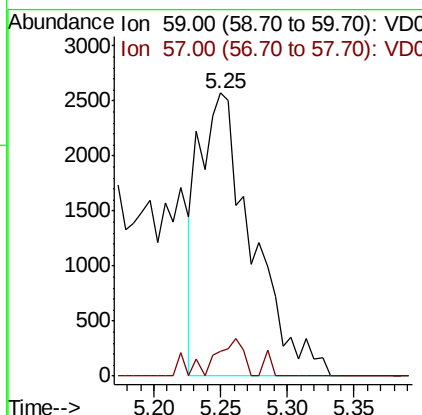
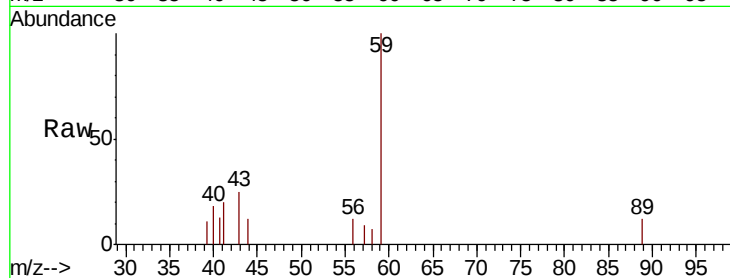


#11

Tert butyl alcohol
Concen: 74.248 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampled :

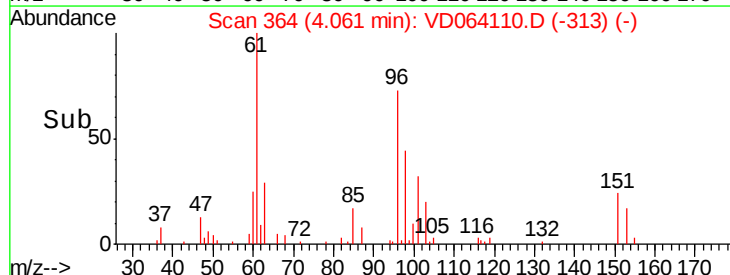
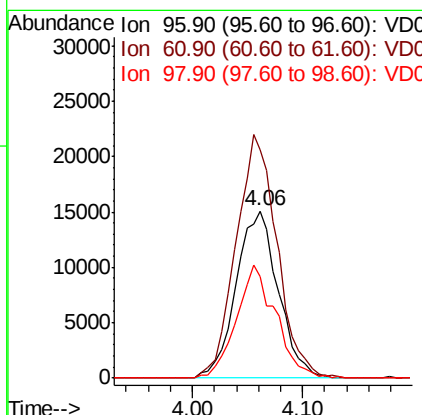
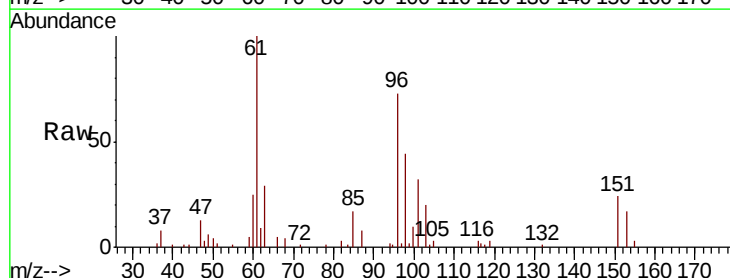
Tot Ion: 59 Resp: 7103
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

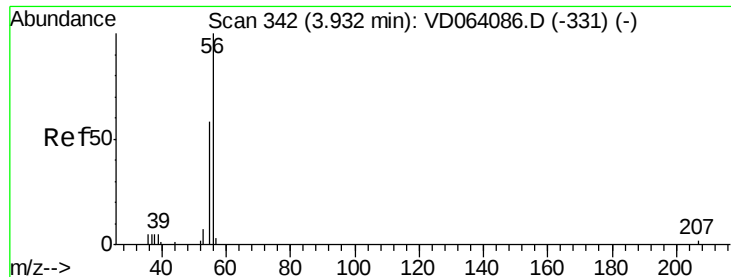


#12

1,1-Dichloroethene
Concen: 20.889 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 96 Resp: 40303
Ion Ratio Lower Upper
96 100
61 136.9 121.8 182.6
98 60.8 55.4 83.0





#13

Acrolein

Concen: 95.037 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

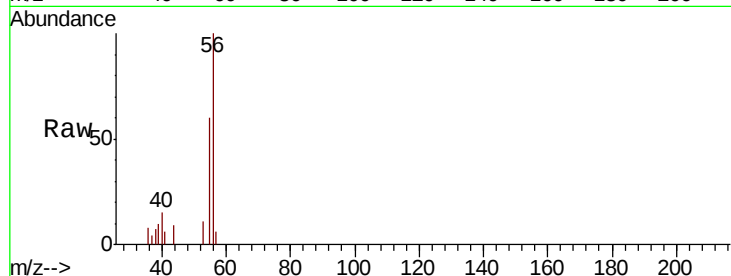
ClientSampleId :

Tot Ion: 56 Resp: 10719

Ion Ratio Lower Upper

56 100

55 60.6 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

4000

3000

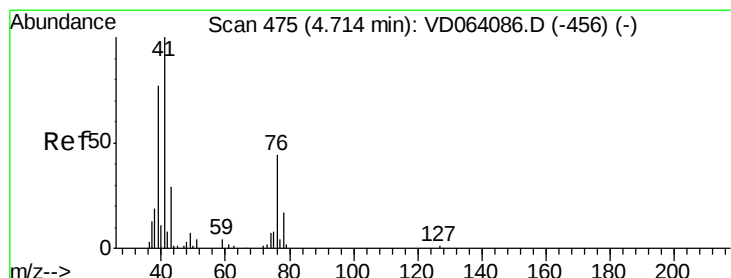
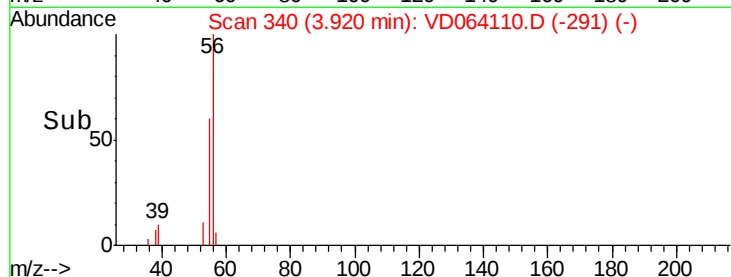
2000

1000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 20.301 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

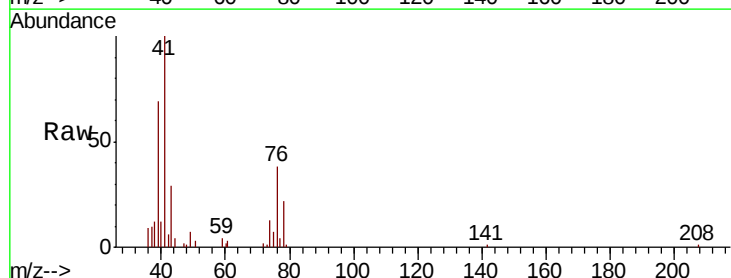
Tgt Ion: 41 Resp: 45844

Ion Ratio Lower Upper

41 100

39 75.0 61.5 92.3

76 46.7 36.2 54.4



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

20000

15000

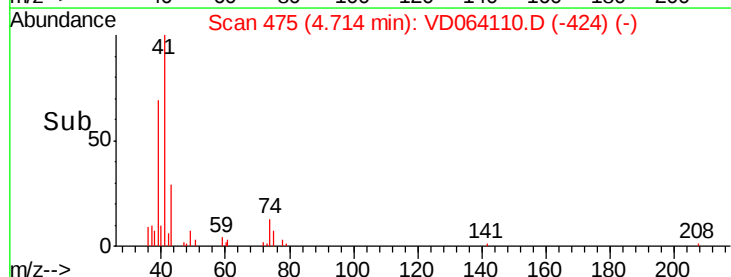
10000

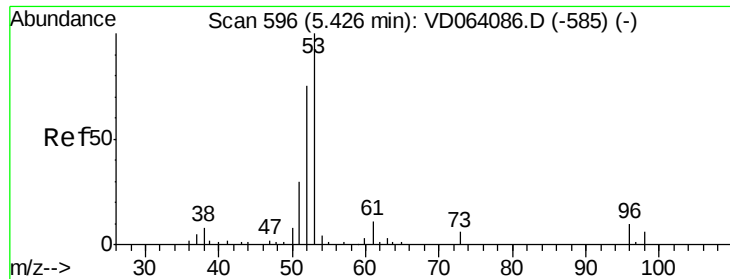
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 96.121 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :

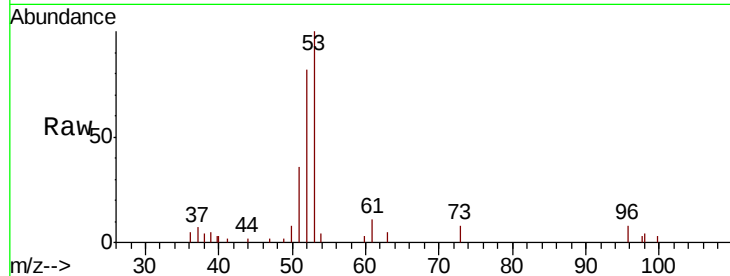
Tot Ion: 53 Resp: 34912

Ion Ratio Lower Upper

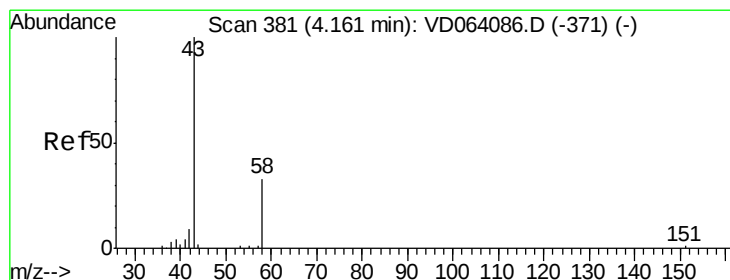
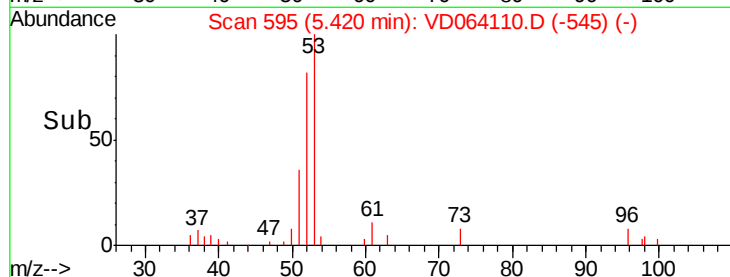
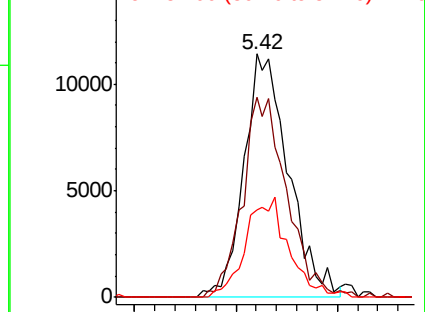
53 100

52 81.7 66.2 99.4

51 39.7 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: 93.652 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064110.D

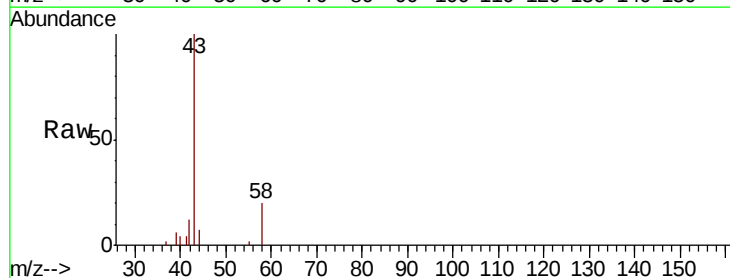
Acq: 30 Oct 2019 12:56

Tgt Ion: 43 Resp: 31520

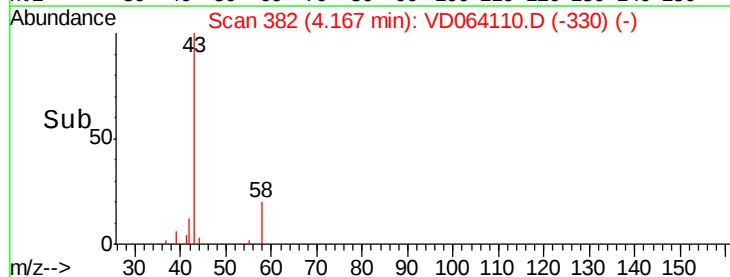
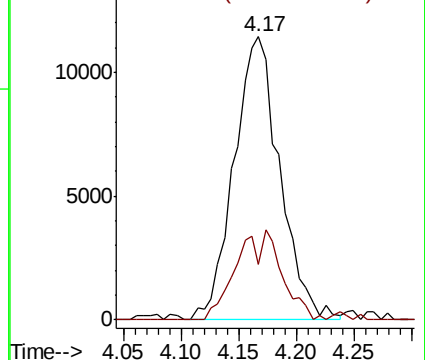
Ion Ratio Lower Upper

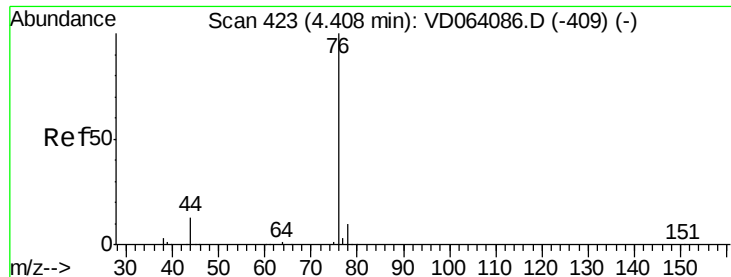
43 100

58 19.6 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: 20.251 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

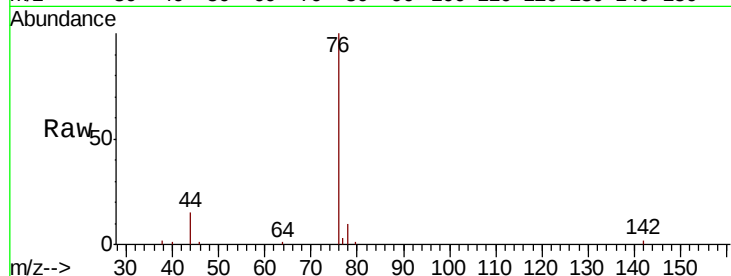
ClientSampleId :

Tot Ion: 76 Resp: 120068

Ion Ratio Lower Upper

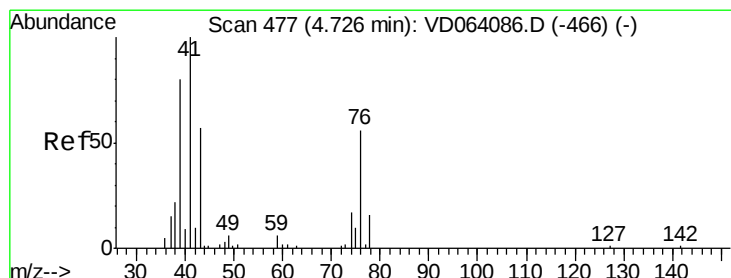
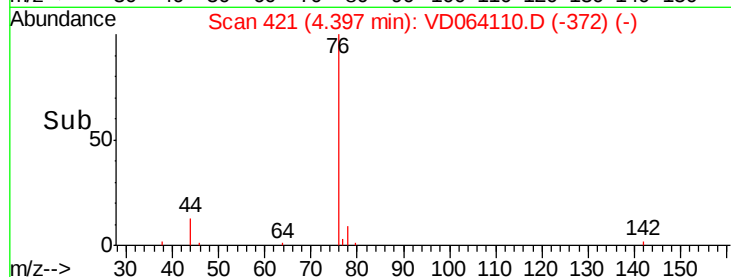
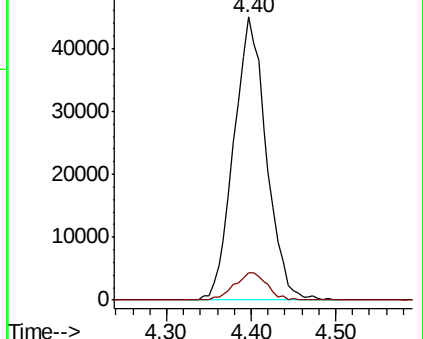
76 100

78 9.5 8.1 12.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.693 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064110.D

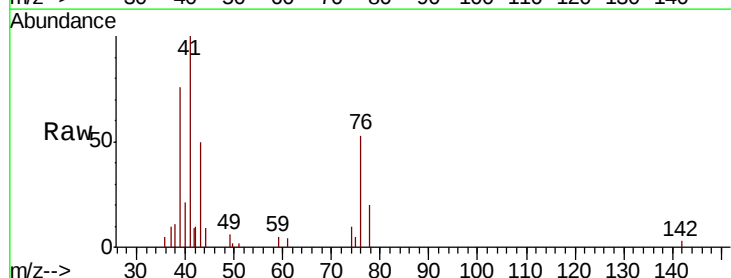
Acq: 30 Oct 2019 12:56

Tgt Ion: 43 Resp: 15840

Ion Ratio Lower Upper

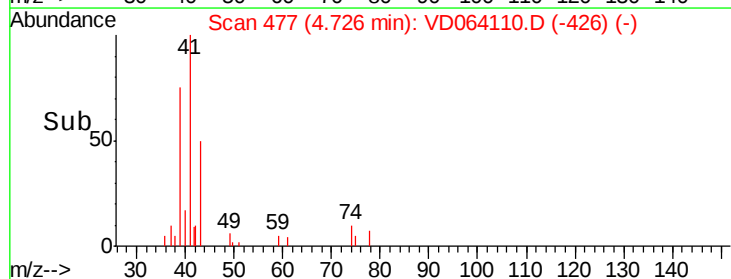
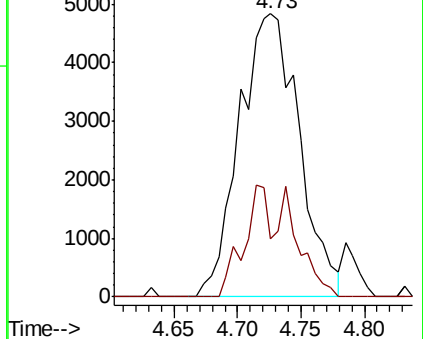
43 100

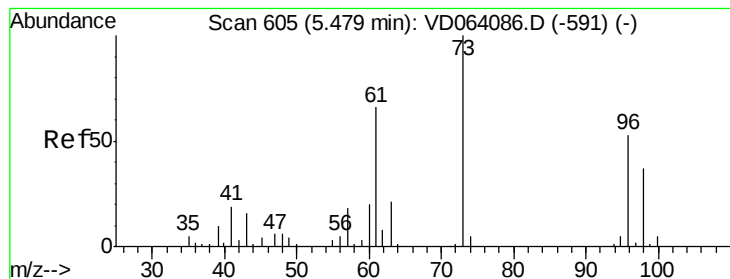
74 16.9 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



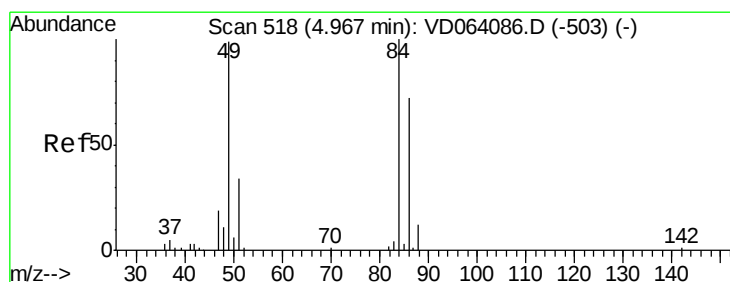
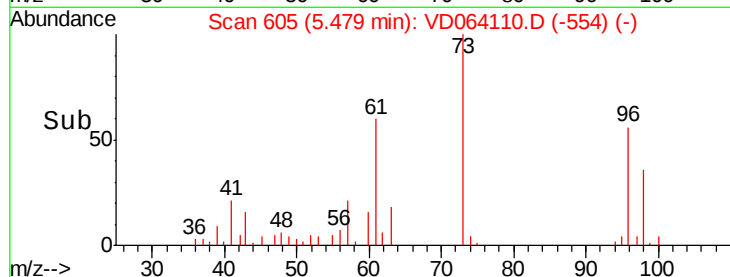
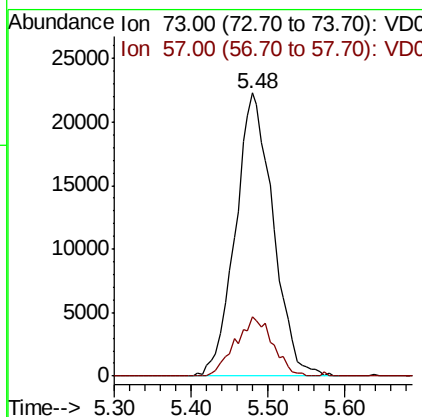
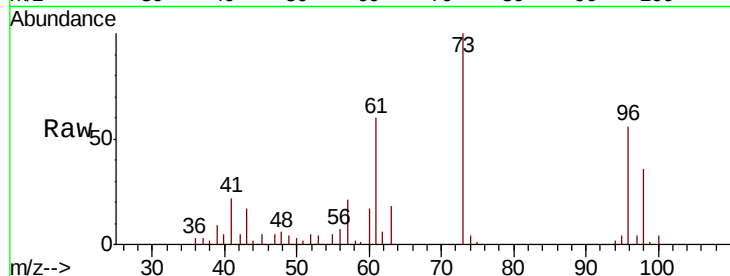


#19

Methyl tert-butyl Ether
 Concen: 19.433 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleID :

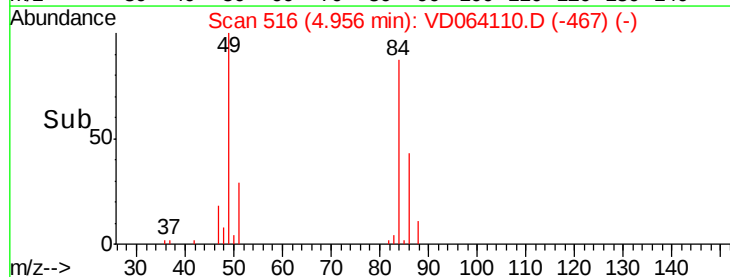
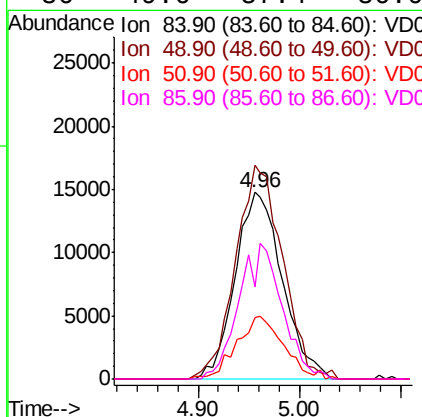
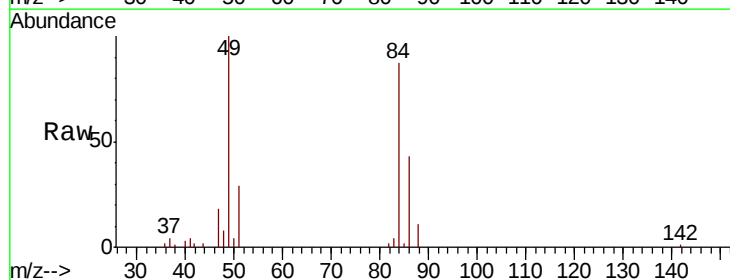
Tot Ion: 73 Resp: 76079
 Ion Ratio Lower Upper
 73 100
 57 21.0 14.3 21.5

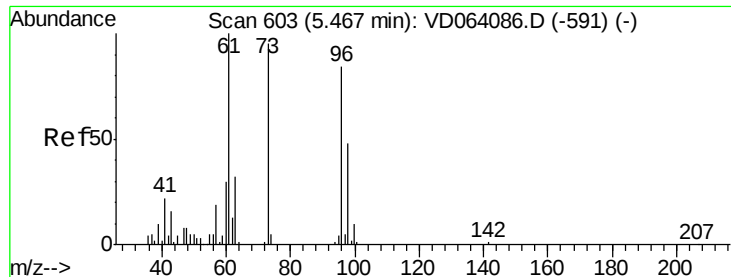


#20

Methylene Chloride
 Concen: 19.716 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 84 Resp: 47700
 Ion Ratio Lower Upper
 84 100
 49 114.4 79.4 119.0
 51 32.9 27.4 41.2
 86 49.6 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

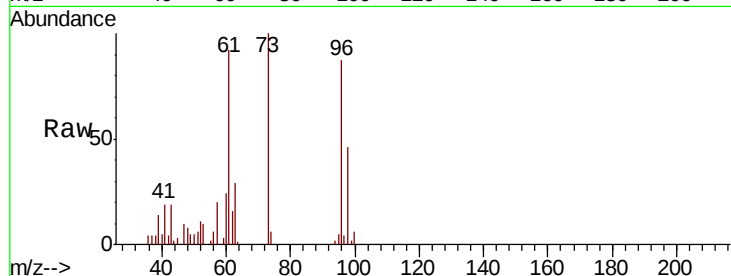
Tot Ion: 96 Resp: 44050

Ion Ratio Lower Upper

96 100

61 105.5 95.0 142.6

98 53.4 45.8 68.8

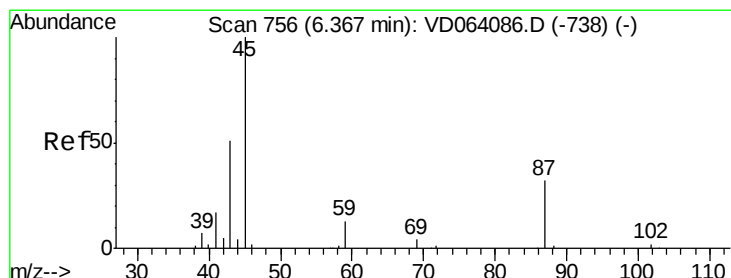
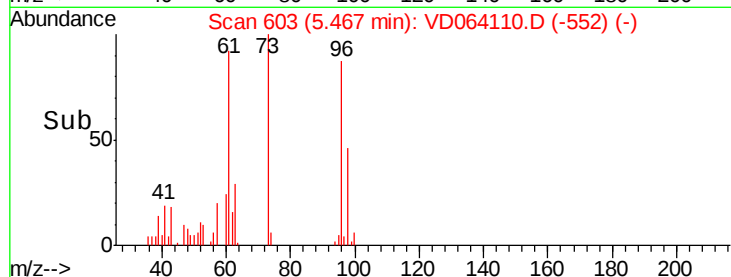
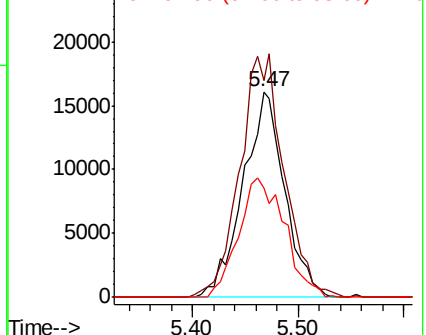


Abundance

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: 19.269 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion: 45 Resp: 96369

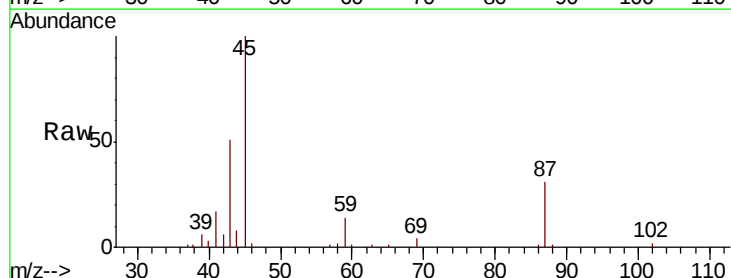
Ion Ratio Lower Upper

45 100

43 50.7 44.3 66.5

87 30.9 26.6 39.8

59 14.0 10.2 15.2



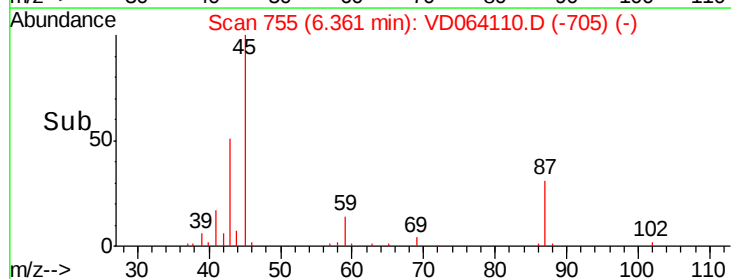
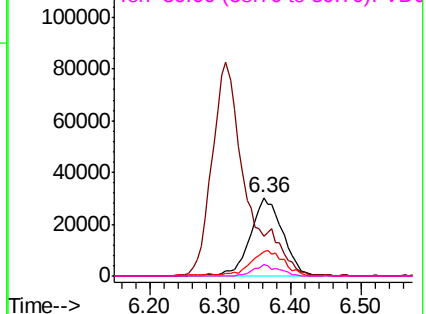
Abundance

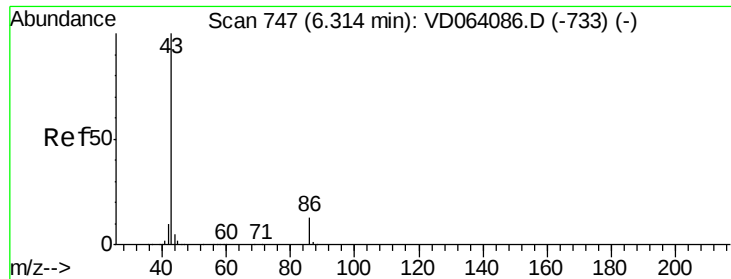
Ion 45.00 (44.70 to 45.70): VDC

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: 101.115 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

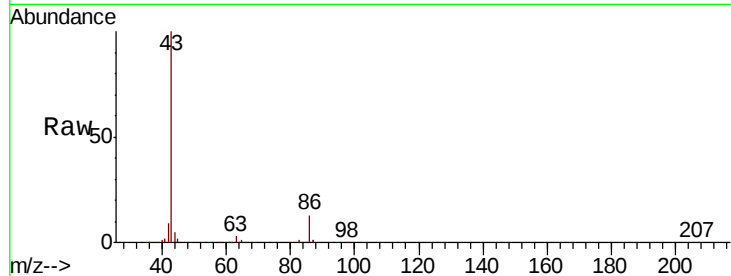
ClientSampleId :

Tot Ion: 43 Resp: 277192

Ion Ratio Lower Upper

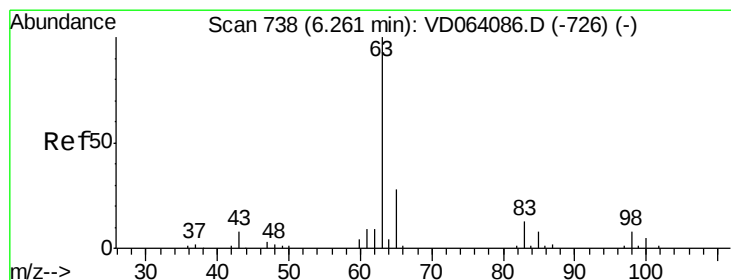
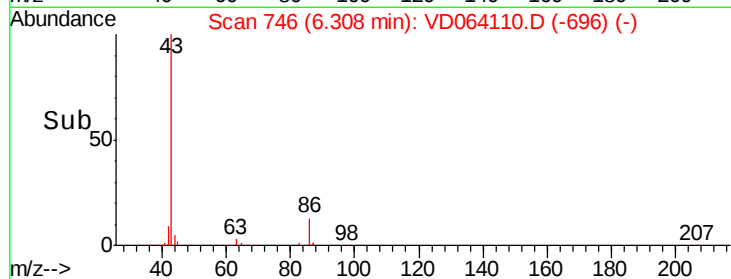
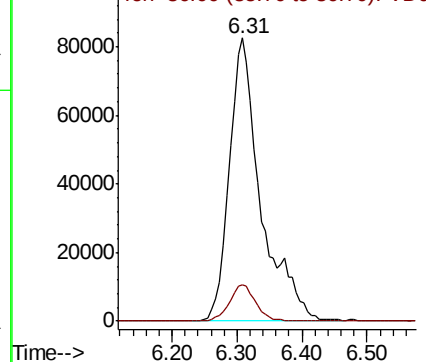
43 100

86 13.0 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: 20.582 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

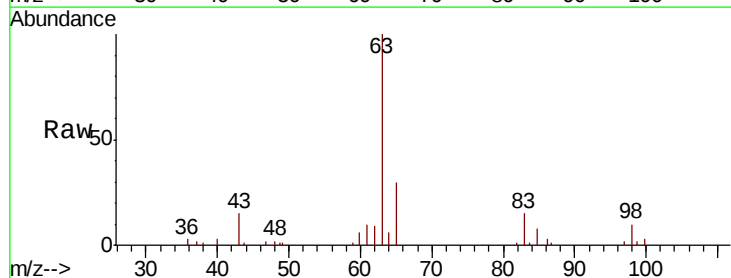
Tgt Ion: 63 Resp: 69509

Ion Ratio Lower Upper

63 100

98 10.3 4.0 11.9

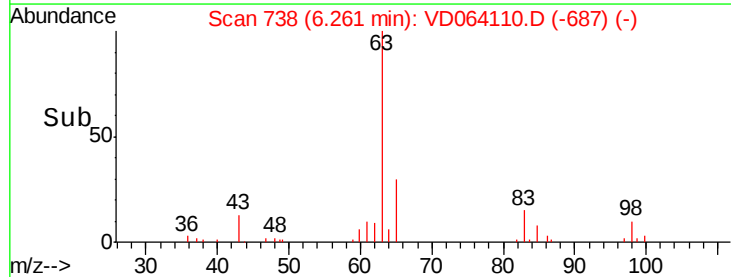
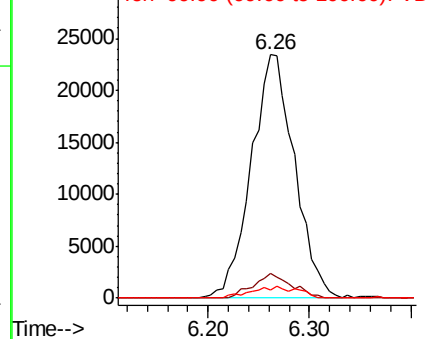
100 3.3 2.6 7.8

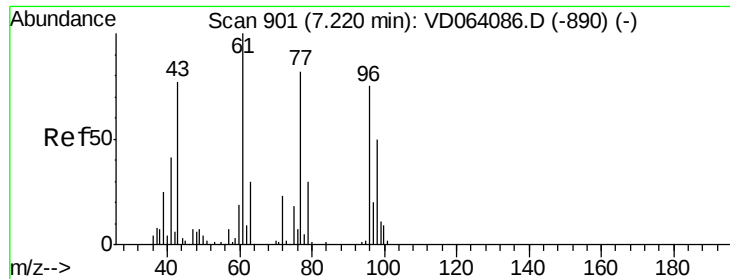


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.336 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

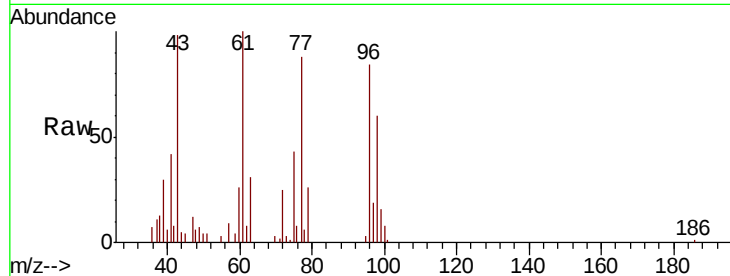
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 42963

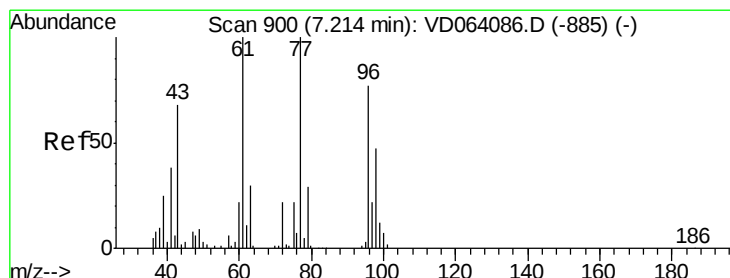
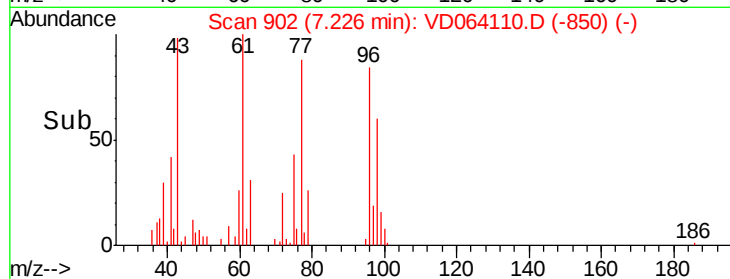
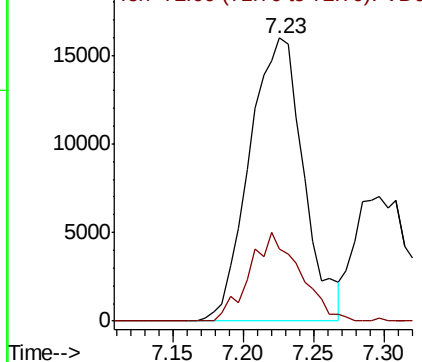
Ion Ratio Lower Upper

43 100

72 25.6 23.4 35.0



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



#26

2,2-Dichloropropane

Concen: 19.175 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064110.D

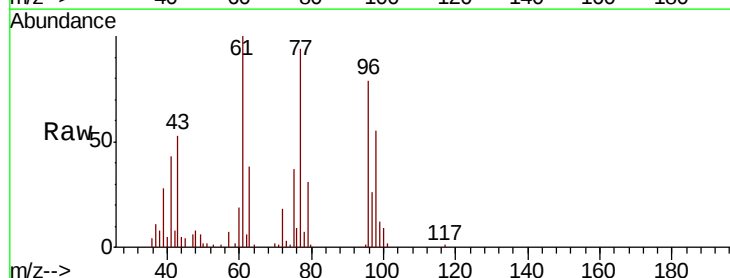
Acq: 30 Oct 2019 12:56

Tgt Ion: 77 Resp: 61462

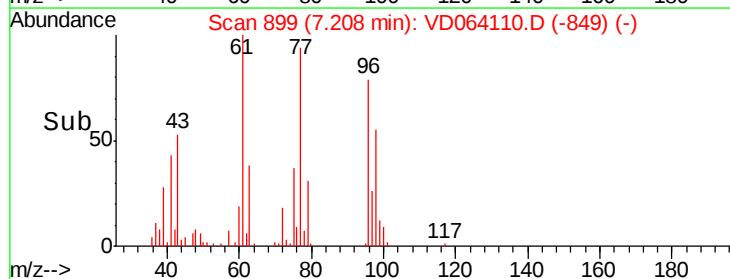
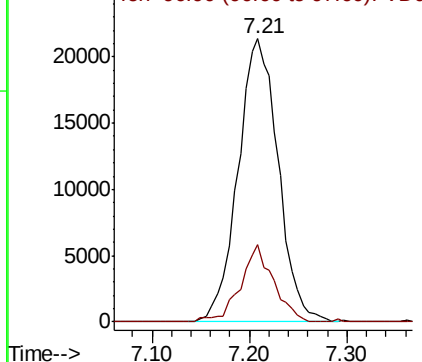
Ion Ratio Lower Upper

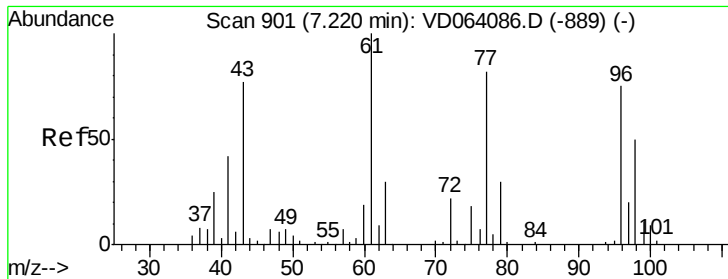
77 100

97 22.3 11.2 33.5



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



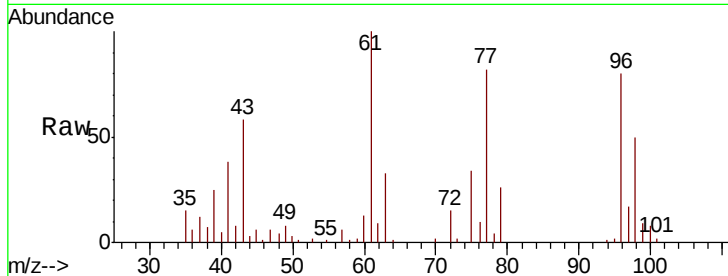


#27

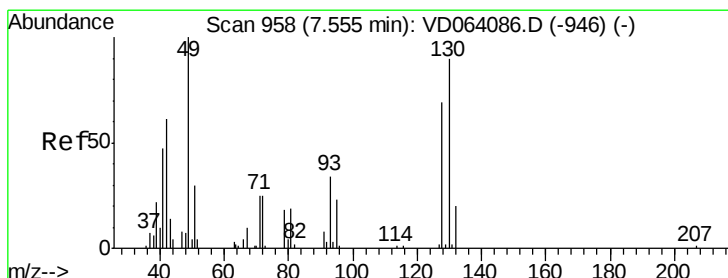
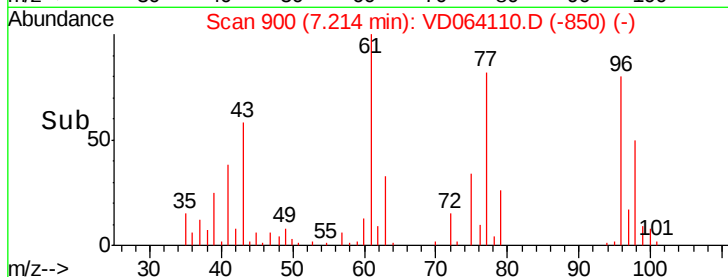
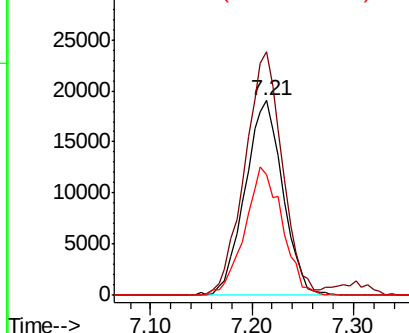
cis-1,2-Dichloroethene
Concen: 20.335 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 49280
Ion Ratio Lower Upper
96 100
61 124.0 0.0 258.0
98 65.4 0.0 130.8



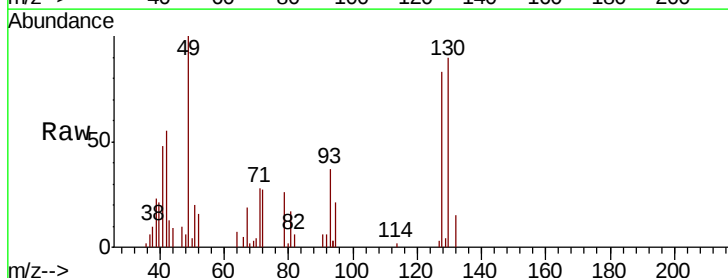
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



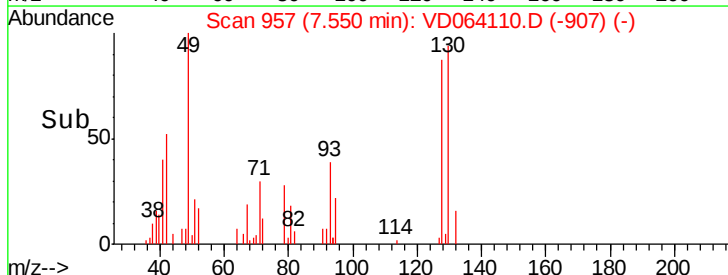
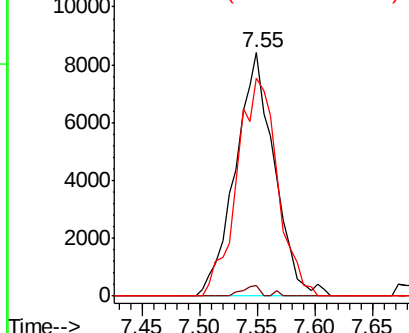
#28

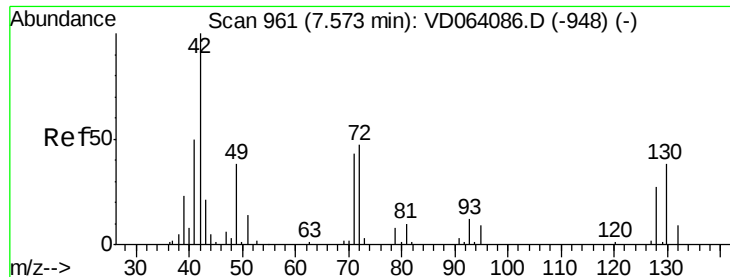
Bromochloromethane
Concen: 16.603 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 49 Resp: 19785
Ion Ratio Lower Upper
49 100
129 1.9 0.0 5.4
130 92.7 75.3 112.9



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

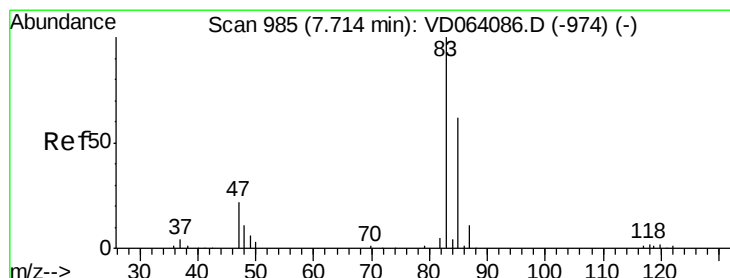
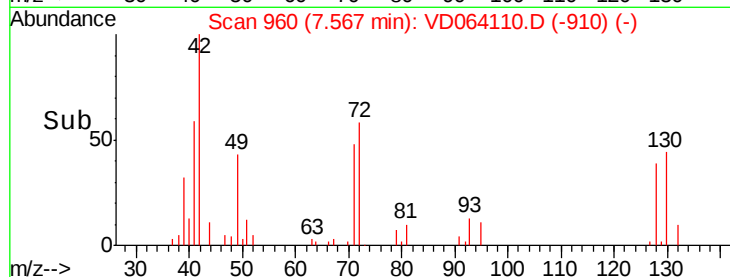
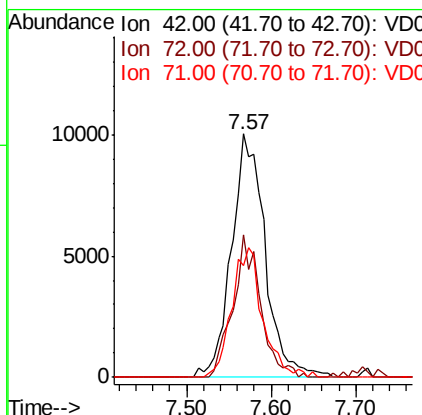
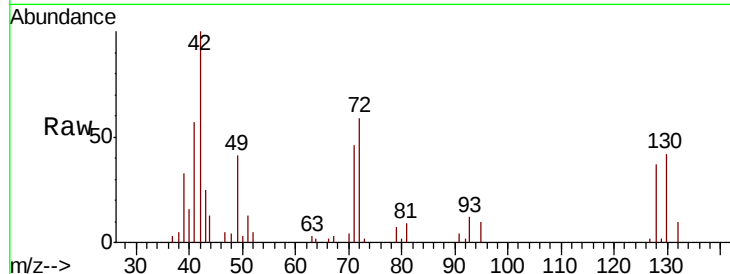




#29
Tetrahydrofuran
Concen: 101.510 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

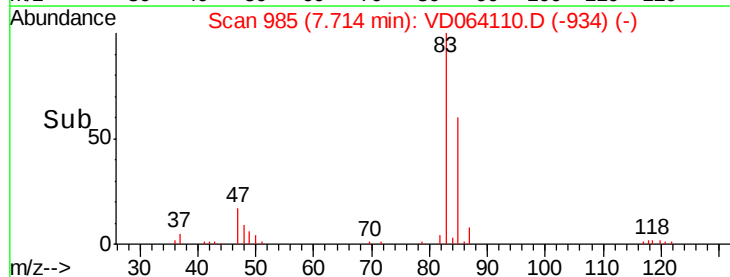
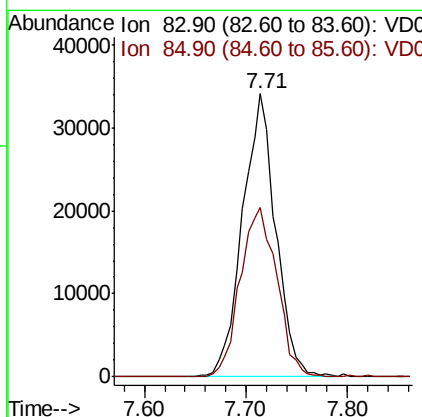
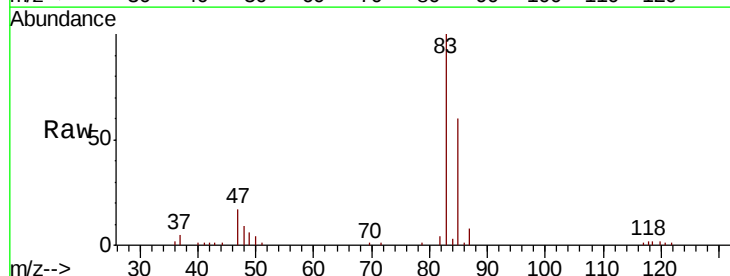
Instrument :
MSVOA_D
ClientSampleId :

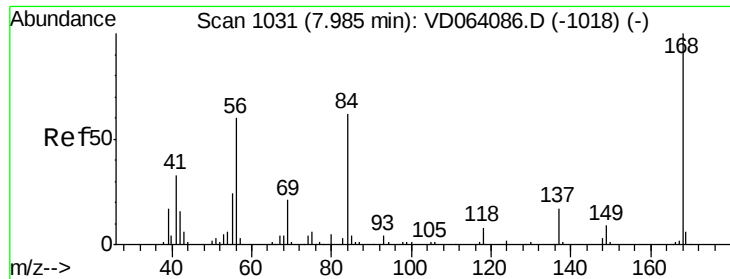
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.9	58.3
71	48.7	35.4	53.2



#30
Chloroform
Concen: 20.102 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	49.8	74.6

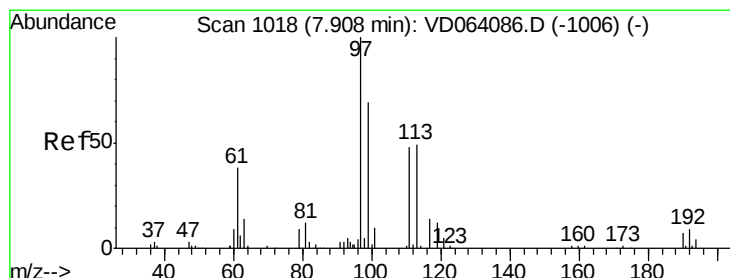
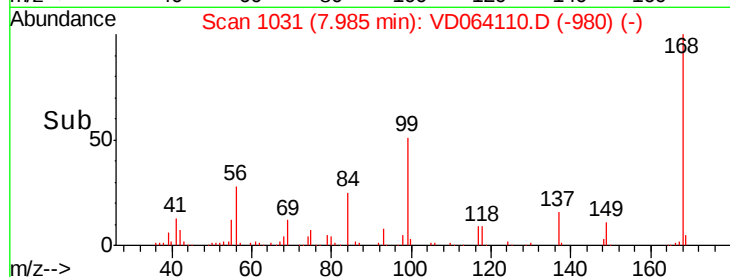
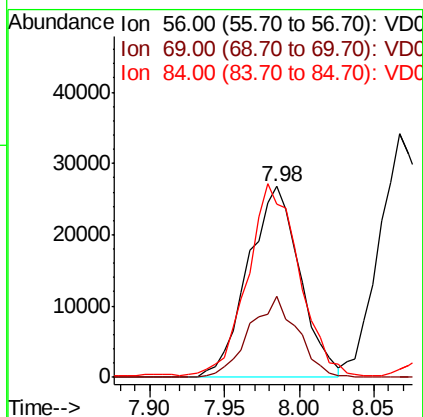
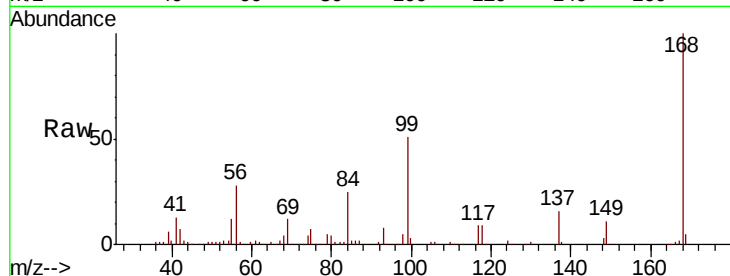




#31
Cyclohexane
Concen: 19.598 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

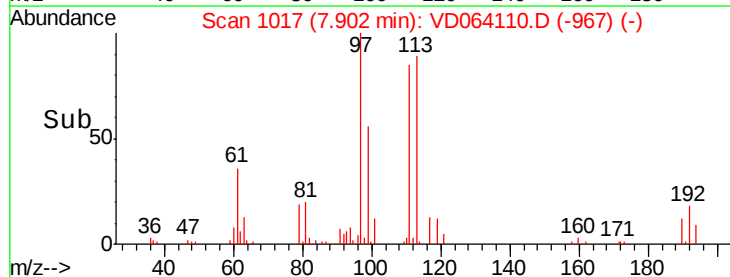
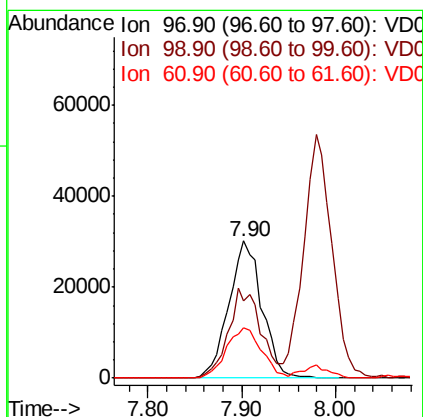
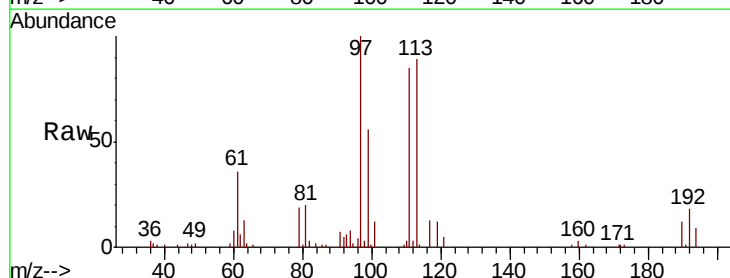
Instrument :
MSVOA_D
ClientSampled :

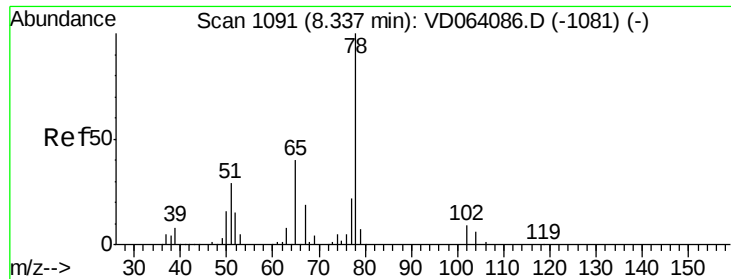
Tot Ion: 56 Resp: 64481
Ion Ratio Lower Upper
56 100
69 42.3 27.7 41.5#
84 89.0 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 20.524 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 97 Resp: 73829
Ion Ratio Lower Upper
97 100
99 63.0 53.7 80.5
61 38.8 31.8 47.6





#33

1,2-Dichloroethane-d4

Concen: 51.645 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

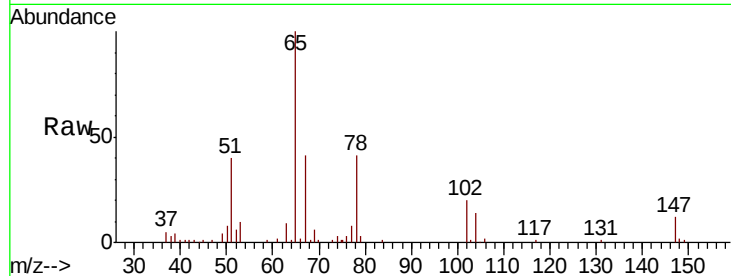
ClientSampleId :

Tot Ion: 65 Resp: 91354

Ion Ratio Lower Upper

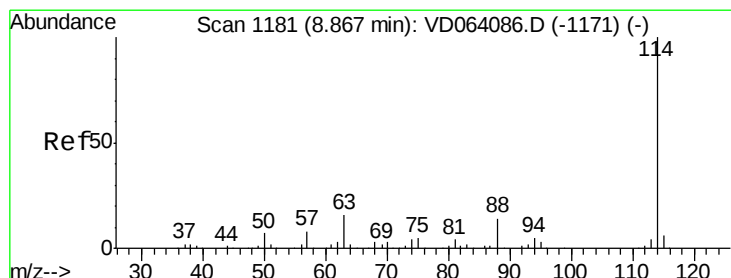
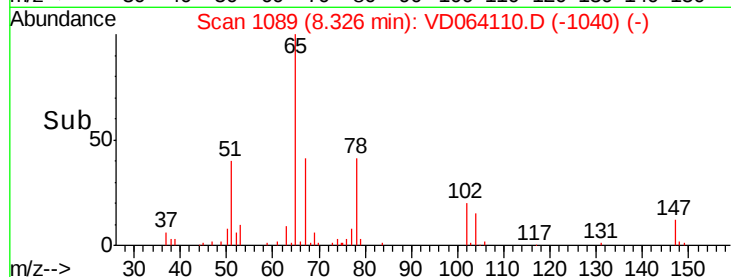
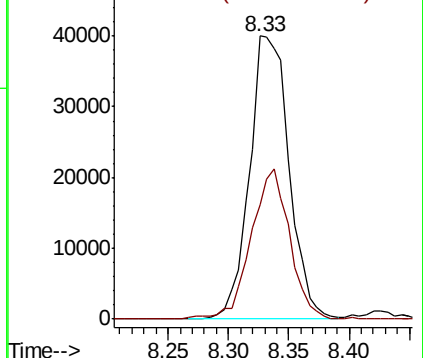
65 100

67 51.8 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: VD064110.D

Acq: 30 Oct 2019 12:56

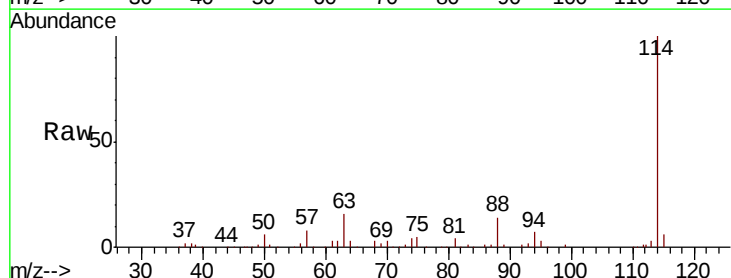
Tgt Ion: 114 Resp: 334662

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.8

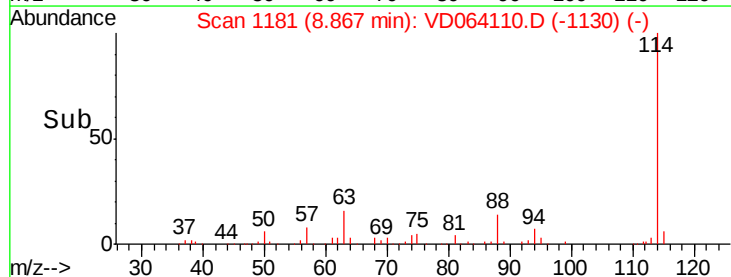
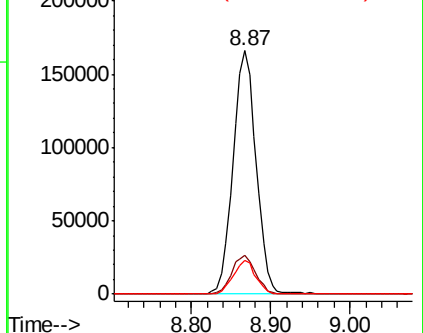
88 13.7 0.0 27.6

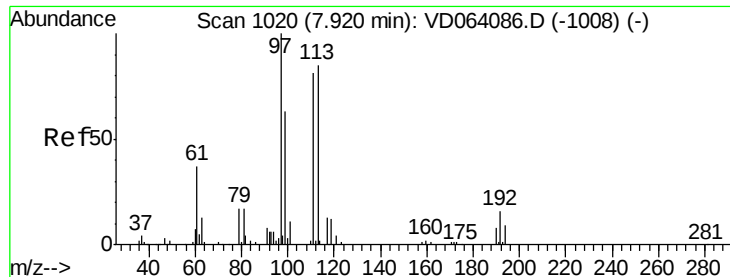


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

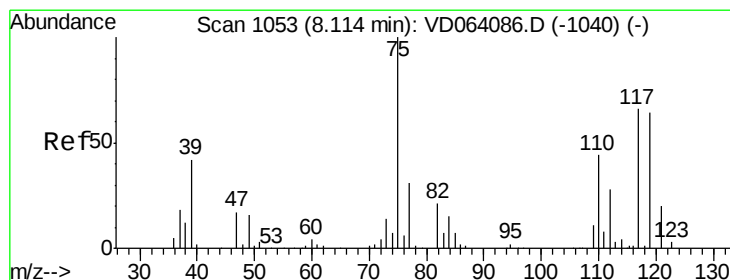
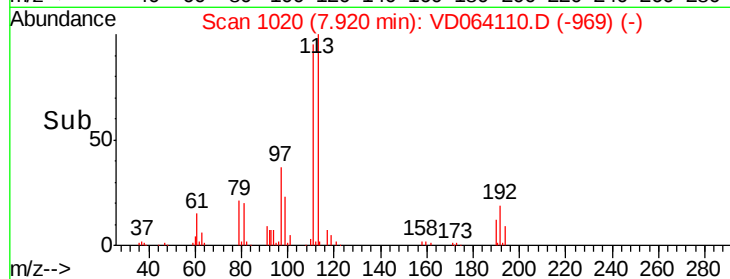
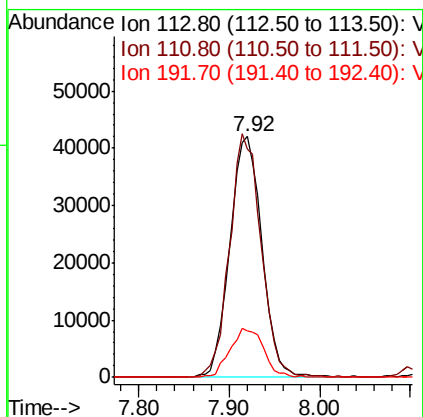
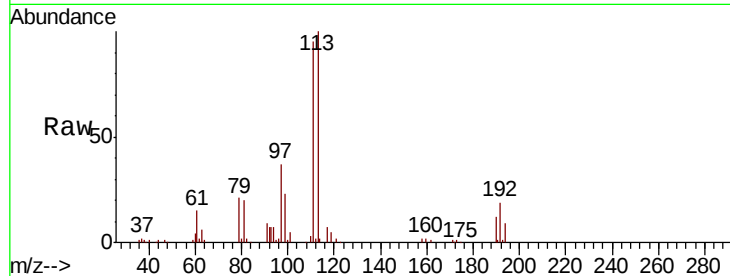




#35
 Dibromofluoromethane
 Concen: 50.148 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

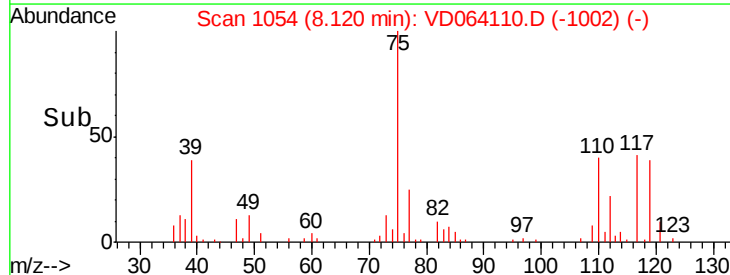
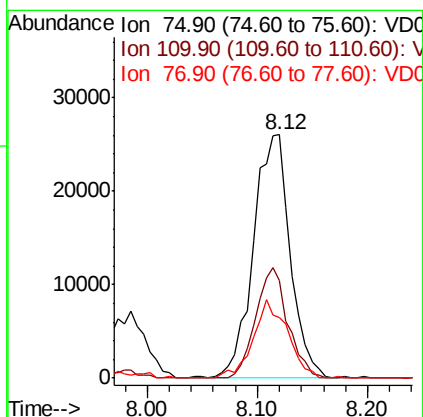
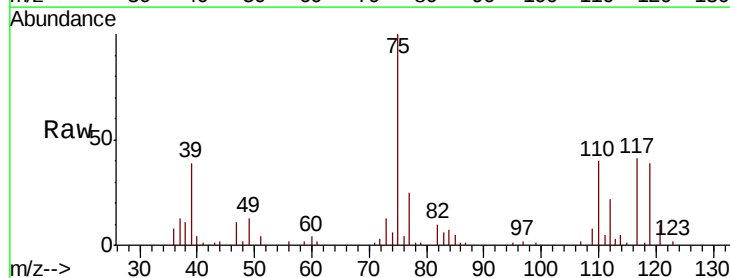
Instrument :
 MSVOA_D
 ClientSampled :

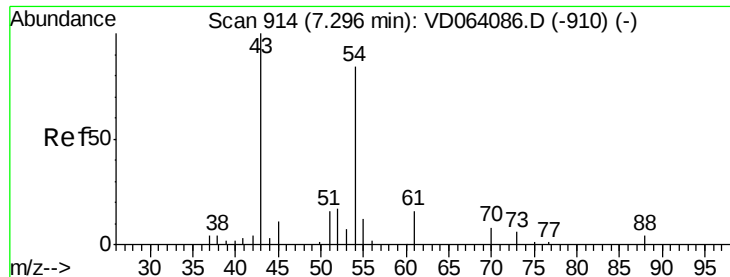
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	79.3	118.9
192	21.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 19.428 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	20.0	59.9
77	29.9	24.7	37.1

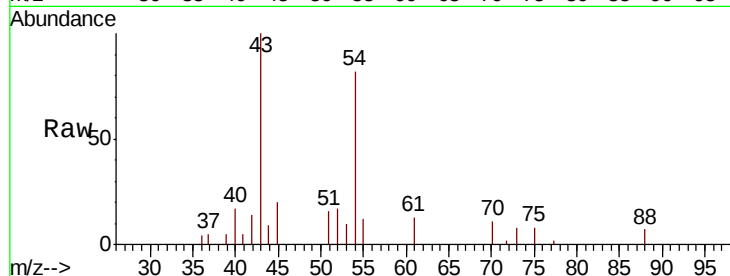




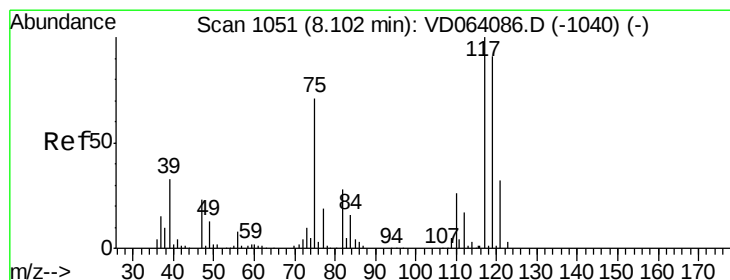
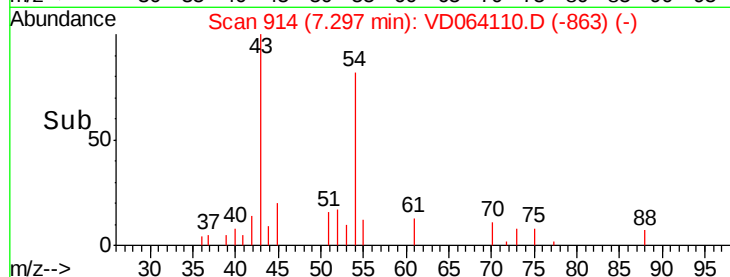
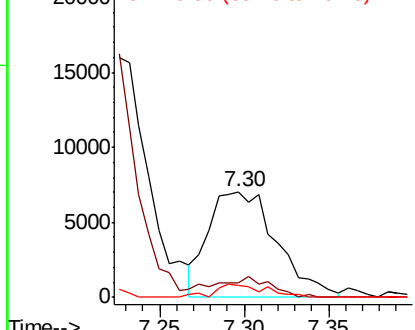
#37
Ethyl Acetate
Concen: 20.514 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 19801
Ion Ratio Lower Upper
43 100
61 15.8 12.0 18.0
70 9.1 3.8 5.6#

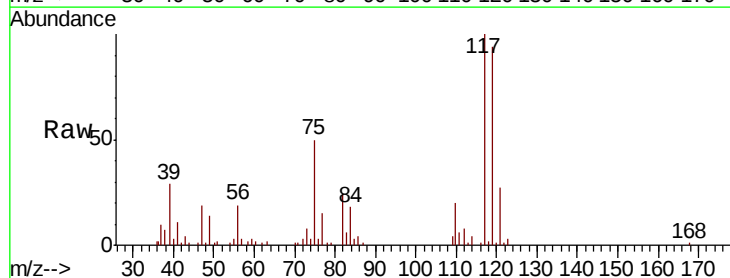


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

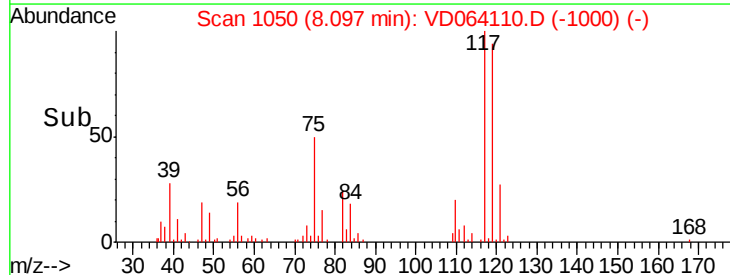
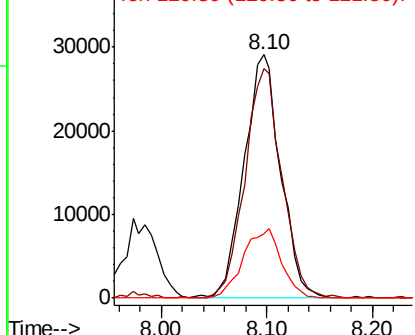


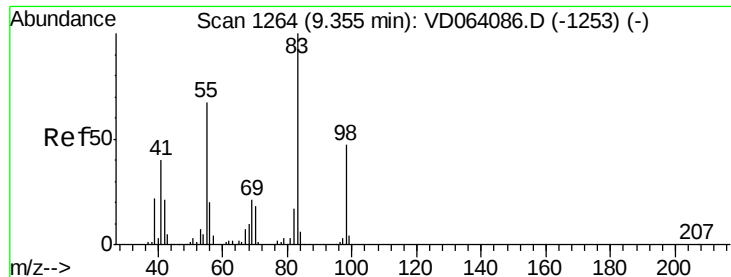
#38
Carbon Tetrachloride
Concen: 20.467 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 117 Resp: 70027
Ion Ratio Lower Upper
117 100
119 94.1 72.6 108.8
121 26.6 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

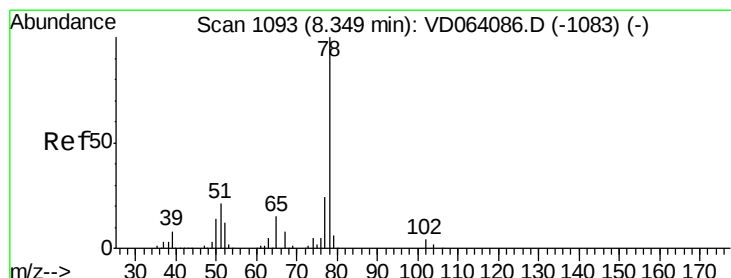
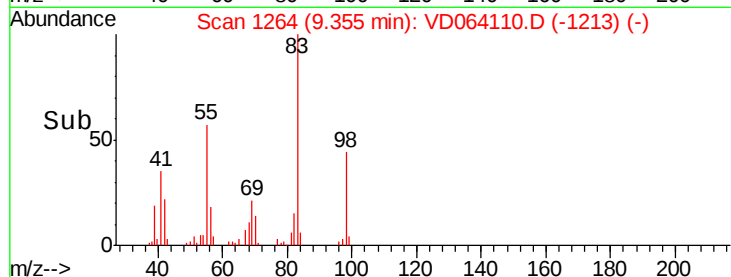
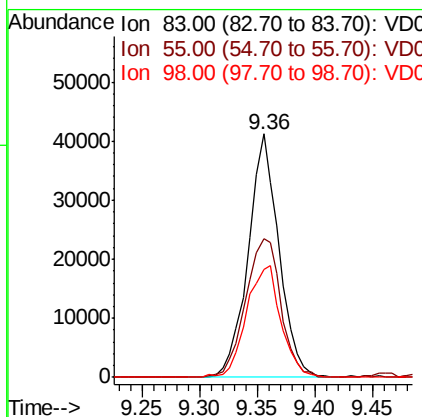
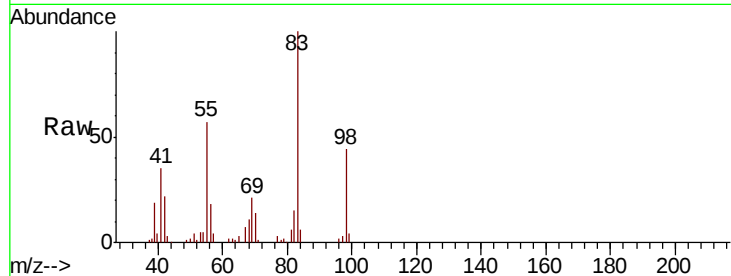




#39
Methvlcvclohexane
Concen: 19.807 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

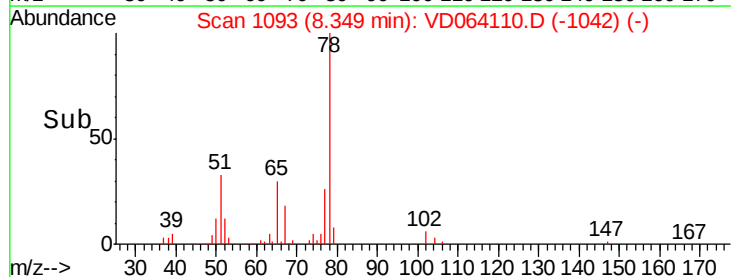
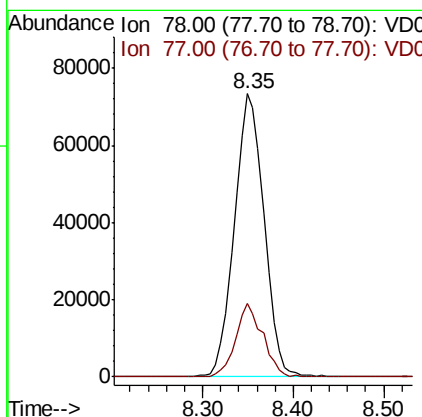
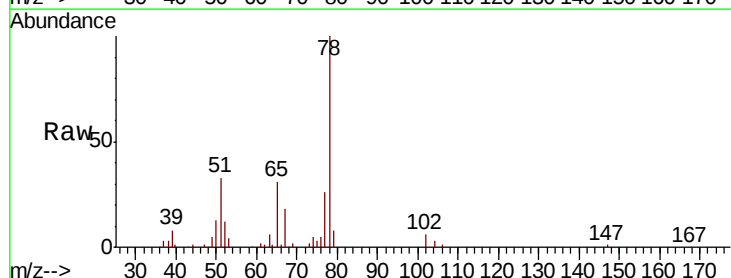
Instrument :
MSVOA_D
ClientSampleId :

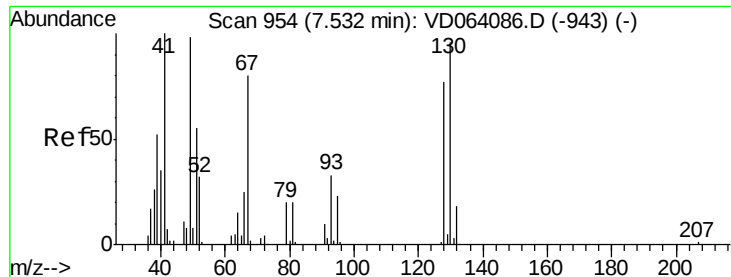
Tot Ion: 83 Resp: 76247
Ion Ratio Lower Upper
83 100
55 57.1 53.4 80.0
98 44.3 37.8 56.6



#40
Benzene
Concen: 19.494 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 78 Resp: 166703
Ion Ratio Lower Upper
78 100
77 26.1 19.0 28.4

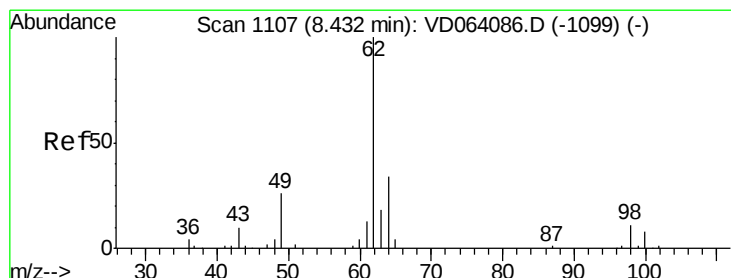
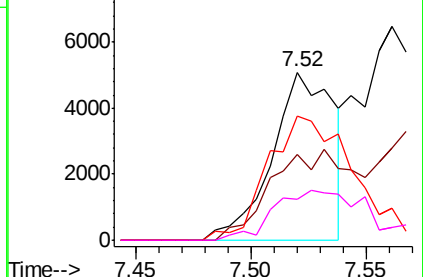
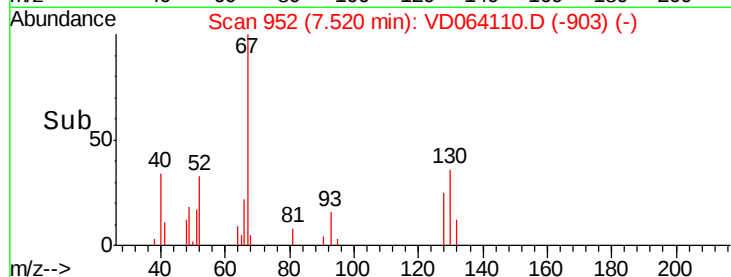
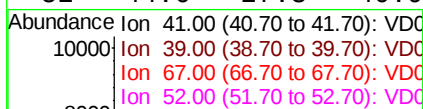
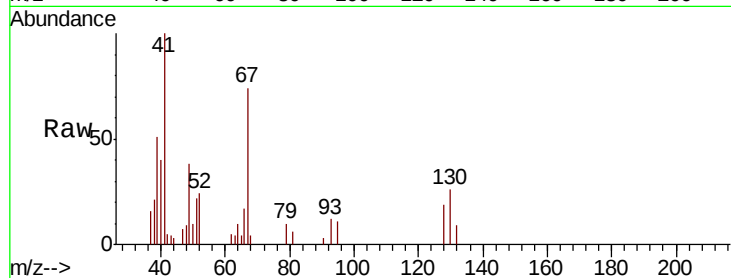




#41
Methacrylonitrile
Concen: 17.033 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

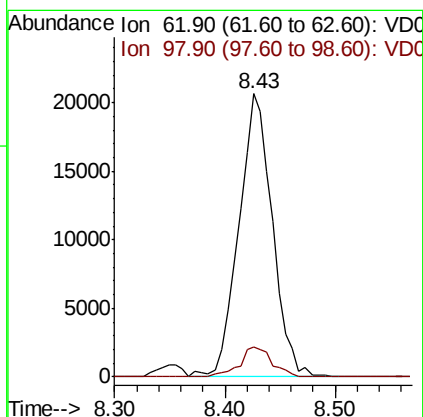
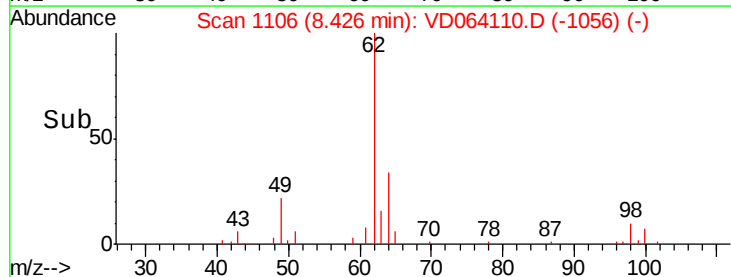
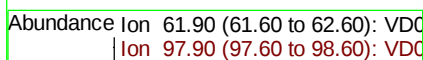
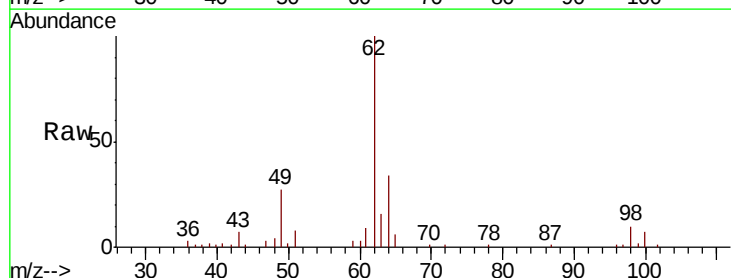
Instrument :
MSVOA_D
ClientSampled :

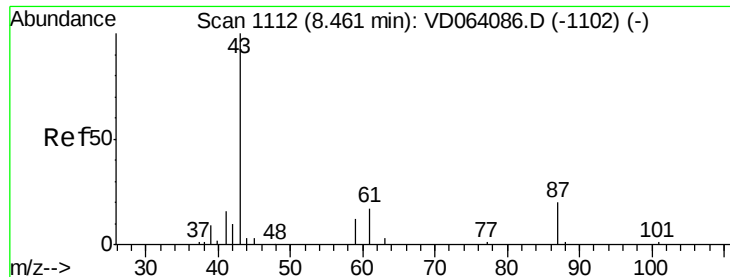
Tot Ion:	41	Resp:	9488
Ion	Ratio	Lower	Upper
41	100		
39	39.2	41.0	61.4#
67	102.7	73.4	110.0
52	44.6	27.3	40.9#



#42
1,2-Dichloroethane
Concen: 19.522 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:	62	Resp:	44098
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.617 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

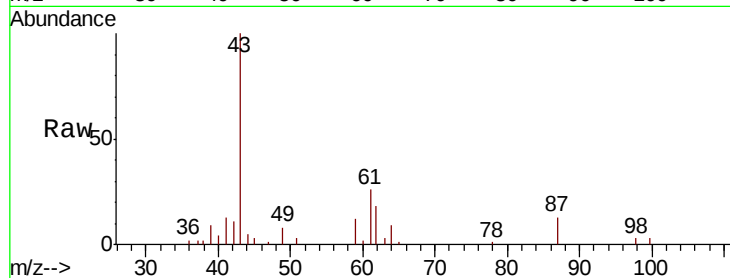
Tot Ion: 43 Resp: 36315

Ion Ratio Lower Upper

43 100

61 34.1 25.8 38.8

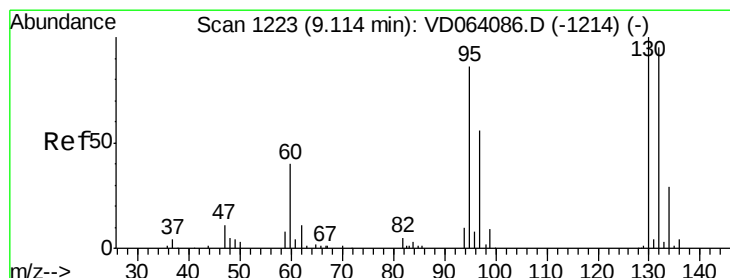
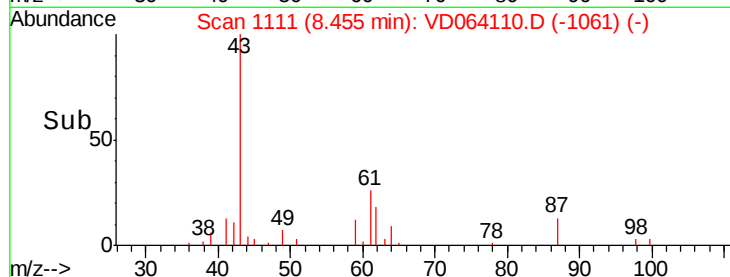
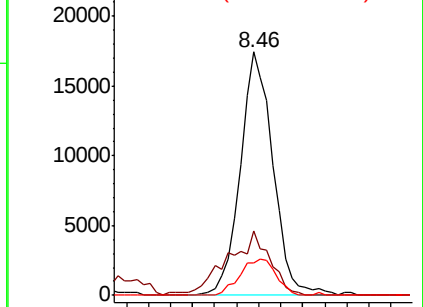
87 16.4 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.132 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064110.D

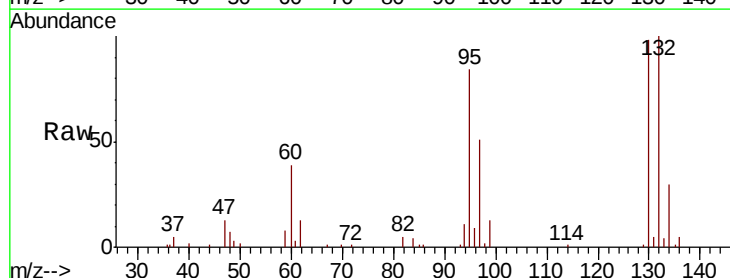
Acq: 30 Oct 2019 12:56

Tgt Ion:130 Resp: 54771

Ion Ratio Lower Upper

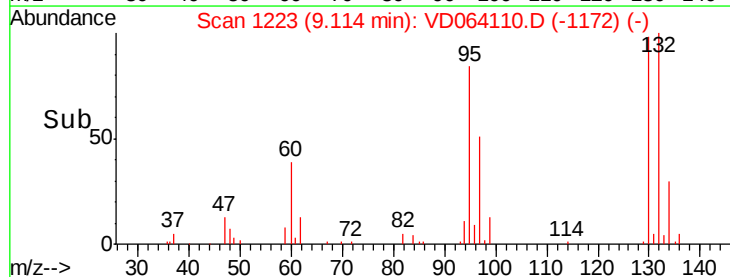
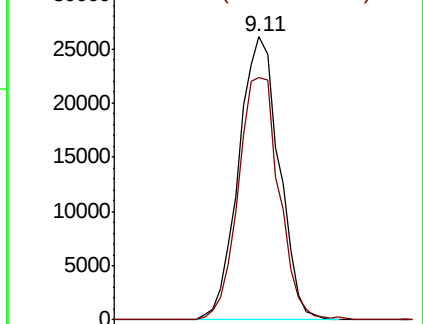
130 100

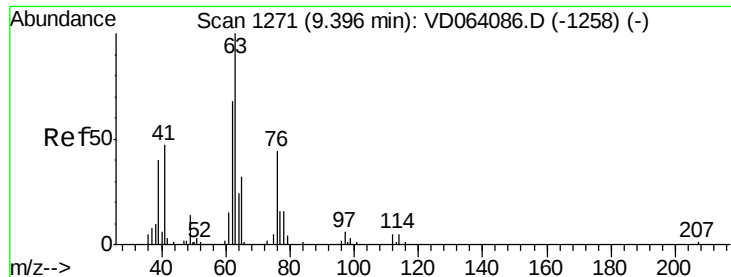
95 85.6 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.111 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

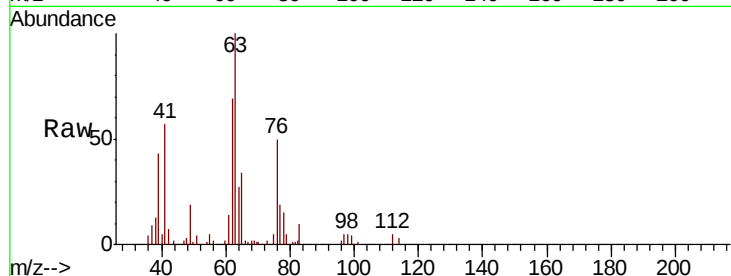
ClientSampled :

Tot Ion: 63 Resp: 37875

Ion Ratio Lower Upper

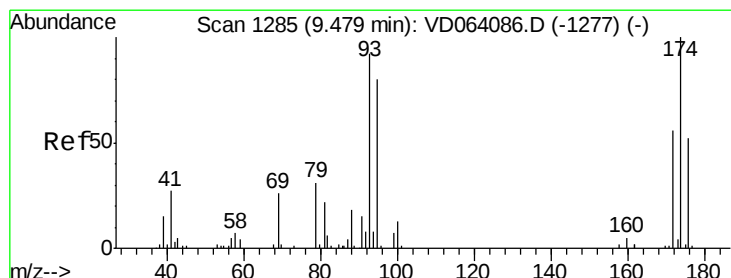
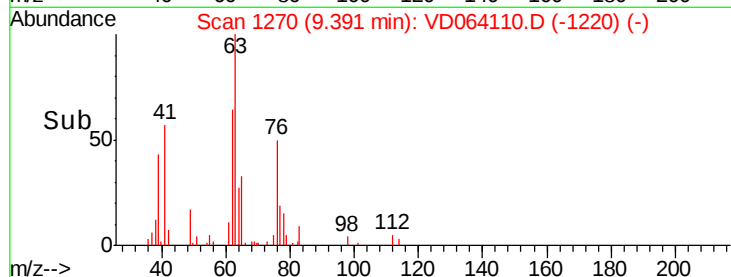
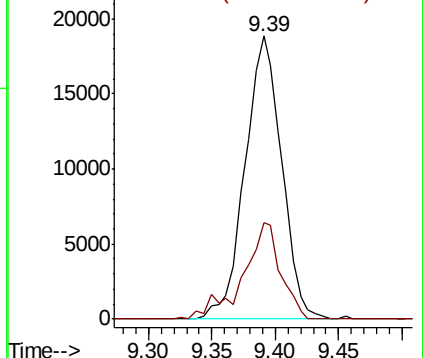
63 100

65 33.9 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 18.954 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

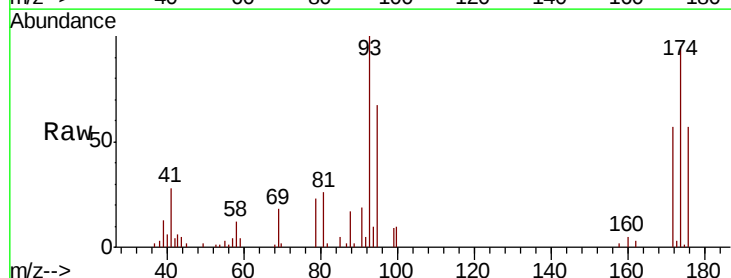
Tgt Ion: 93 Resp: 22623

Ion Ratio Lower Upper

93 100

95 85.4 67.4 101.2

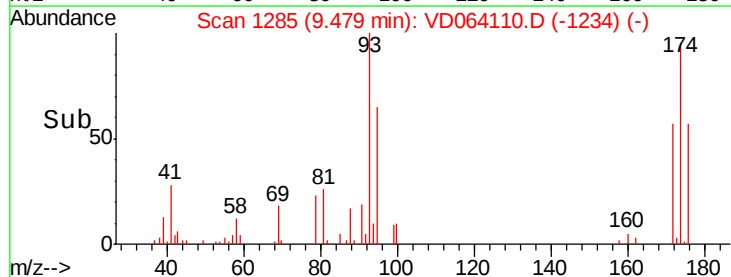
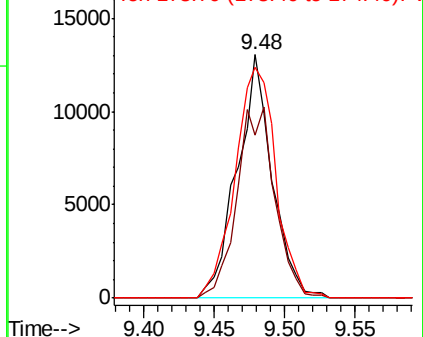
174 111.3 86.4 129.6

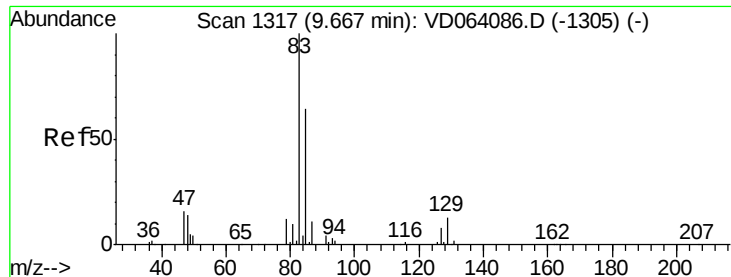


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.512 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

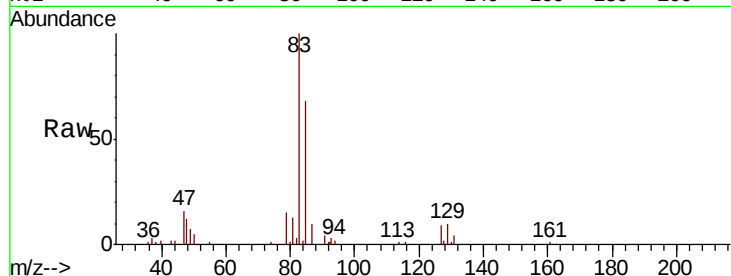
Tot Ion: 83 Resp: 58754

Ion Ratio Lower Upper

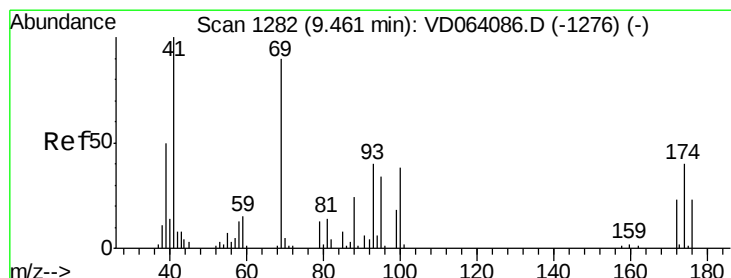
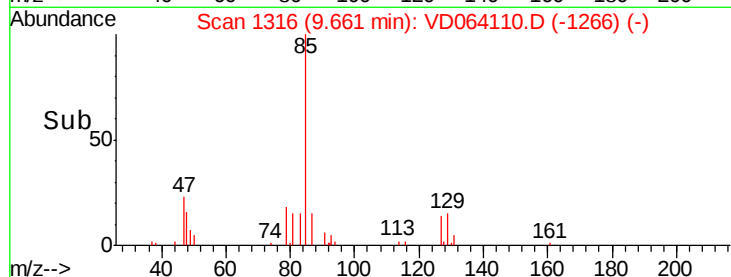
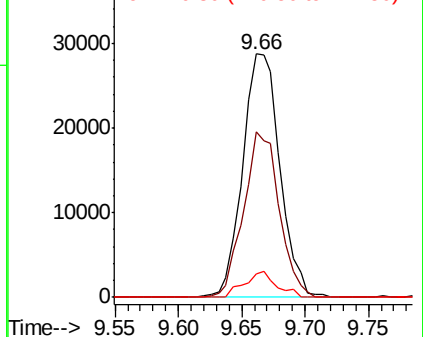
83 100

85 68.0 51.4 77.0

127 9.4 6.7 10.1



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



#48

Methyl methacrylate

Concen: 19.515 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

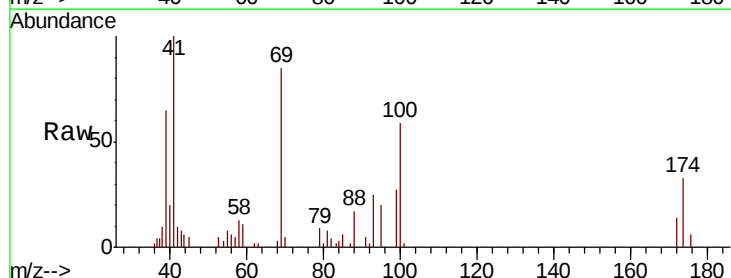
Tgt Ion: 41 Resp: 17604

Ion Ratio Lower Upper

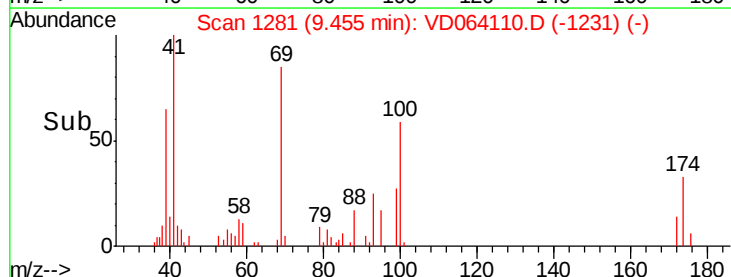
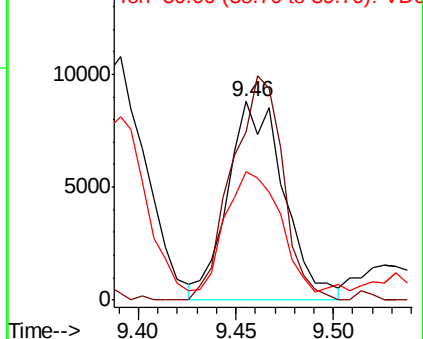
41 100

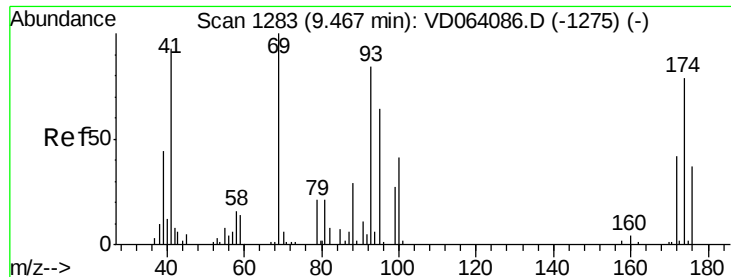
69 101.9 82.6 124.0

39 66.5 47.0 70.4



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

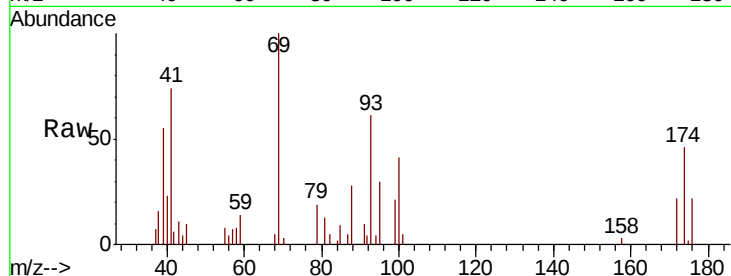




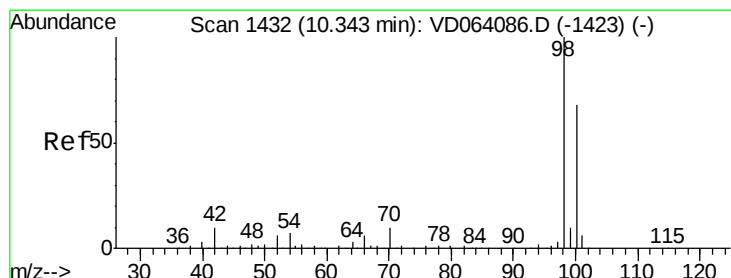
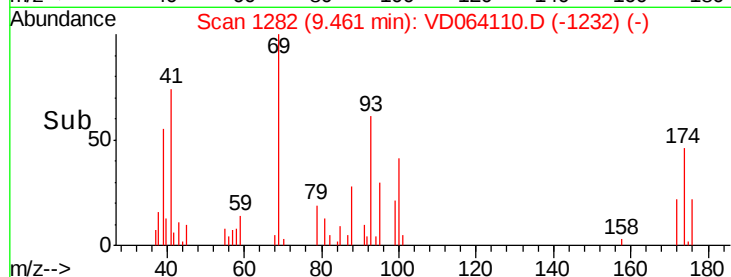
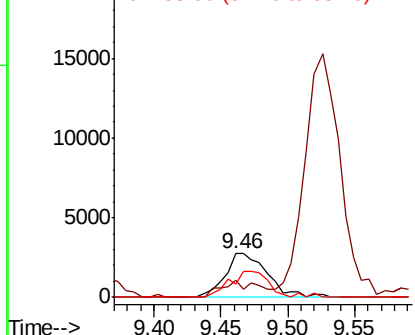
#49
1,4-Dioxane
Concen: 440.698 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 6021
Ion Ratio Lower Upper
88 100
43 32.9 13.4 20.0#
58 54.1 46.7 70.1

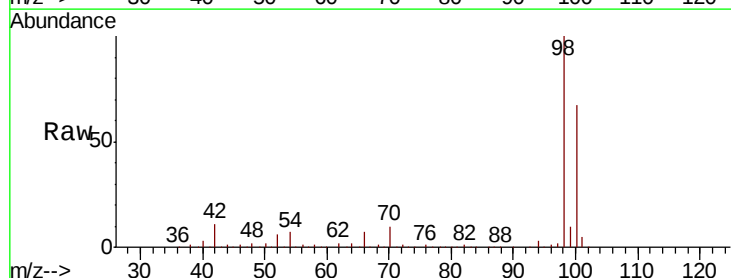


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

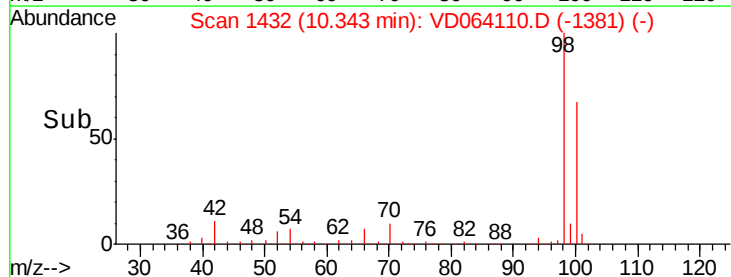
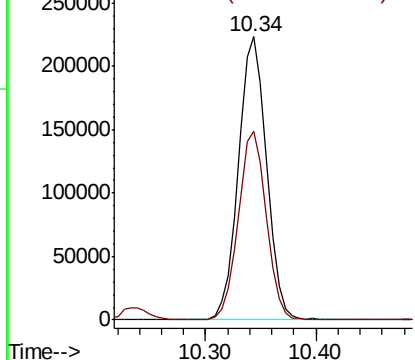


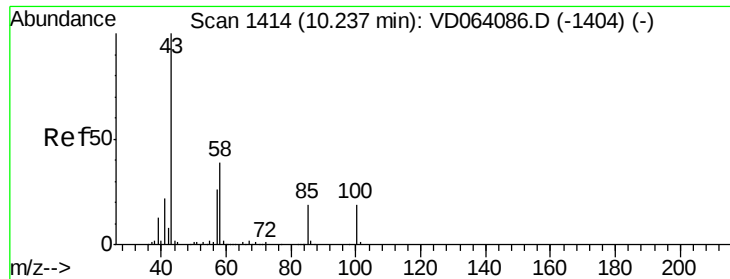
#50
Toluene-d8
Concen: 48.812 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 98 Resp: 401919
Ion Ratio Lower Upper
98 100
100 65.9 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: 92.846 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

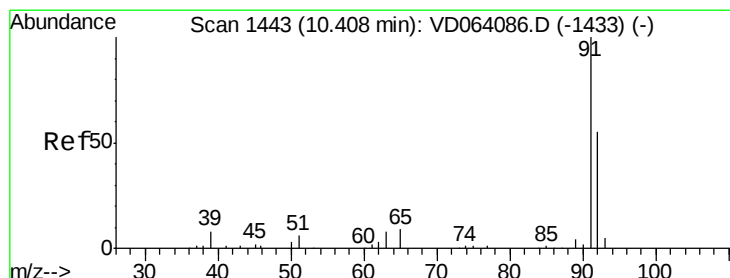
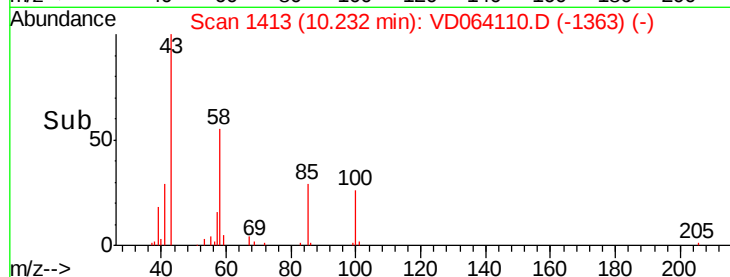
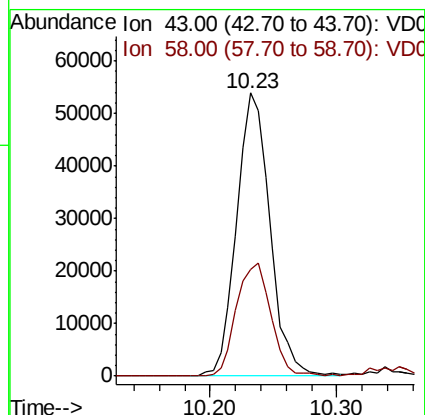
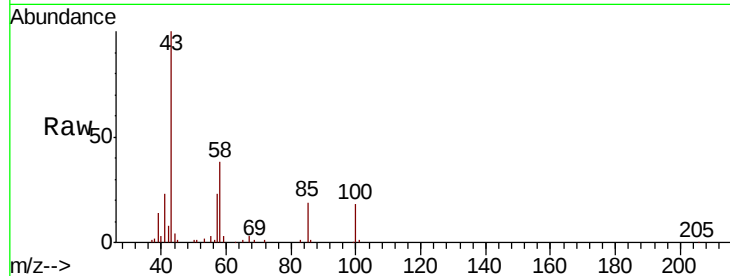
ClientSampled :

Tot Ion: 43 Resp: 98598

Ion Ratio Lower Upper

43 100

58 41.1 33.0 49.4



#52

Toluene

Concen: 19.235 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064110.D

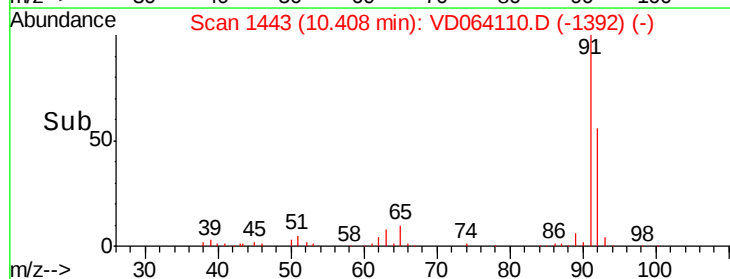
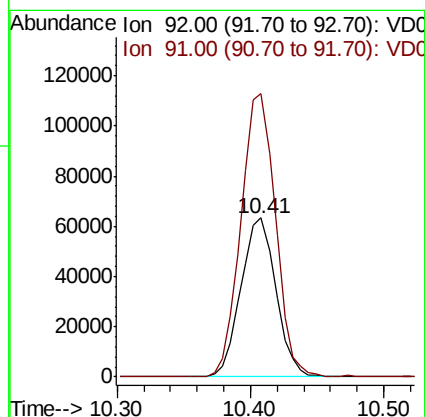
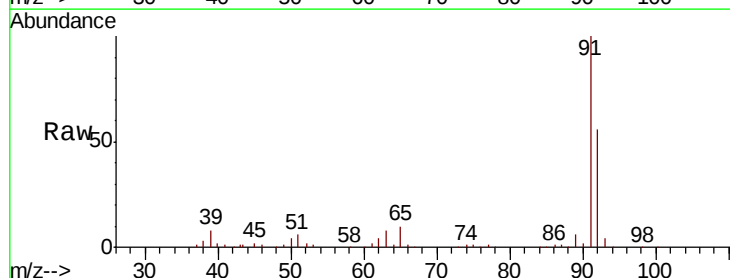
Acq: 30 Oct 2019 12:56

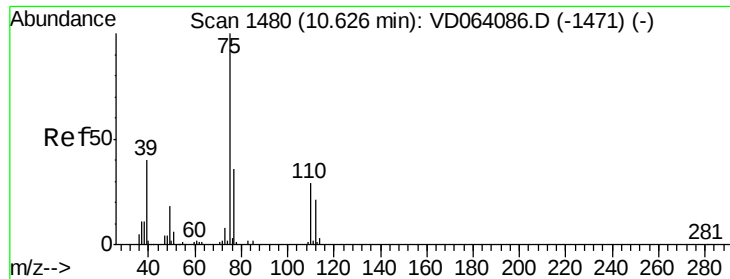
Tgt Ion: 92 Resp: 115273

Ion Ratio Lower Upper

92 100

91 175.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.903 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

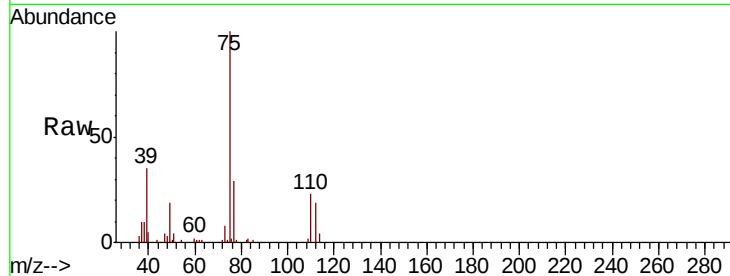
ClientSampleId :

Tot Ion: 75 Resp: 53132

Ion Ratio Lower Upper

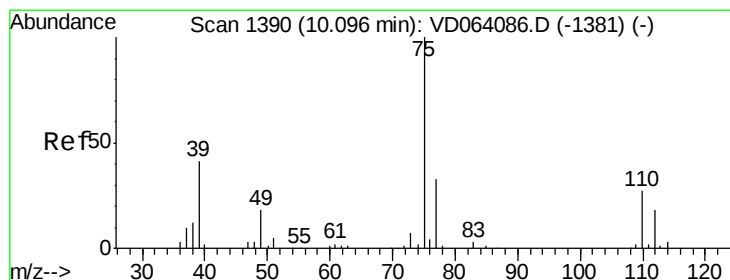
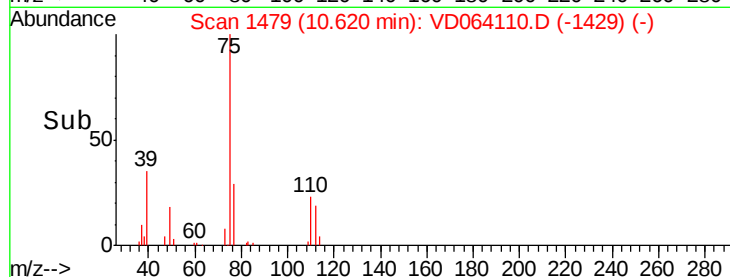
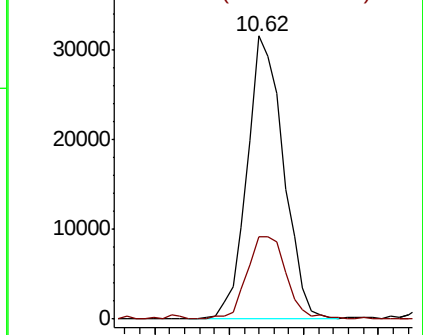
75 100

77 29.2 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.435 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

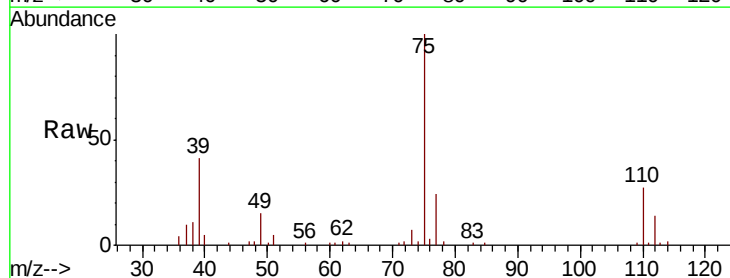
Tgt Ion: 75 Resp: 64270

Ion Ratio Lower Upper

75 100

77 24.3 26.8 40.2#

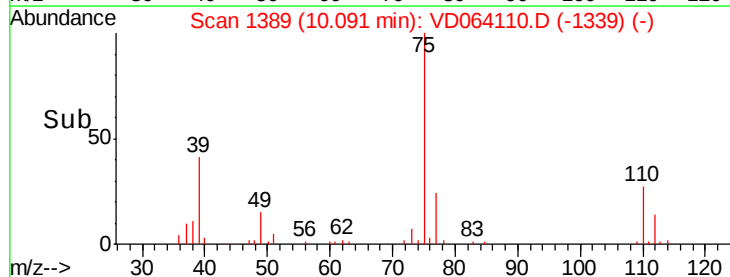
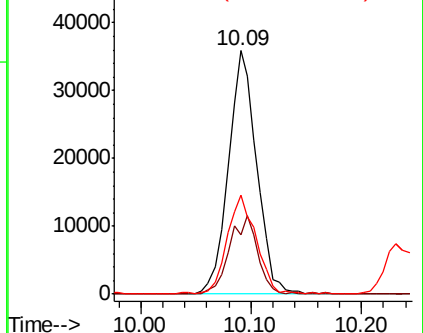
39 40.6 32.7 49.1

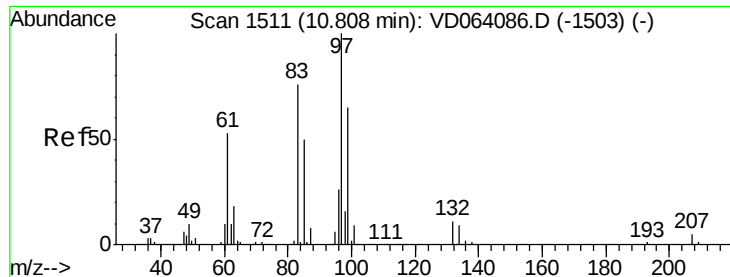


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

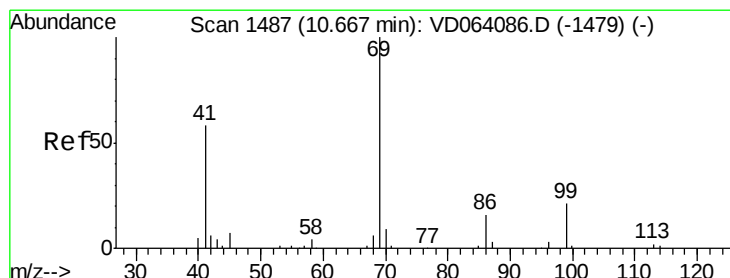
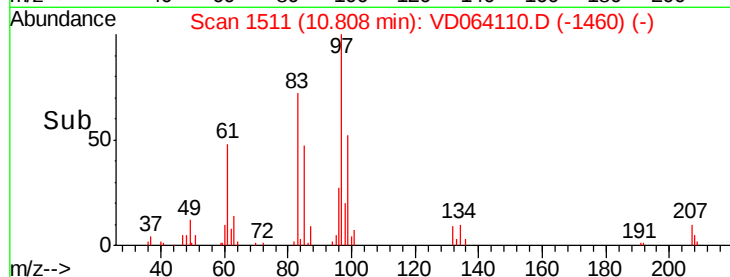
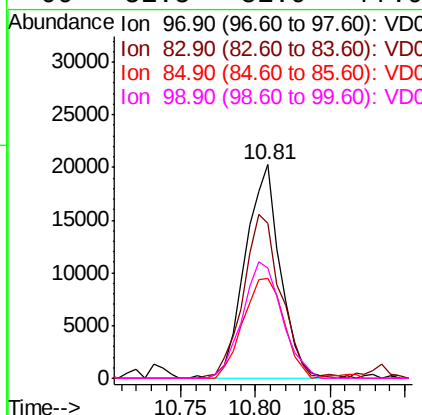
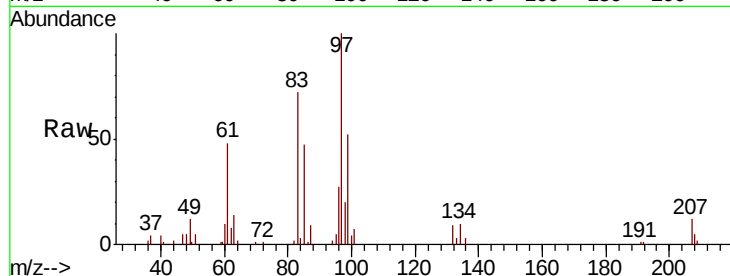




#55
 1,1,2-Trichloroethane
 Concen: 19.322 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

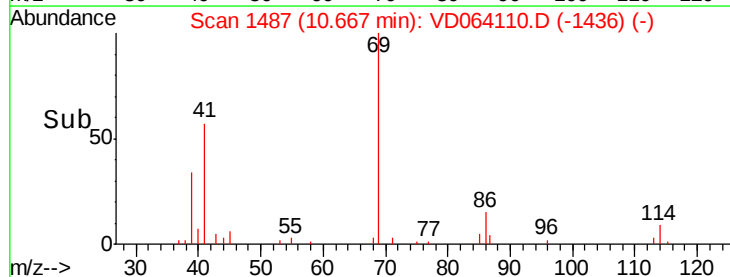
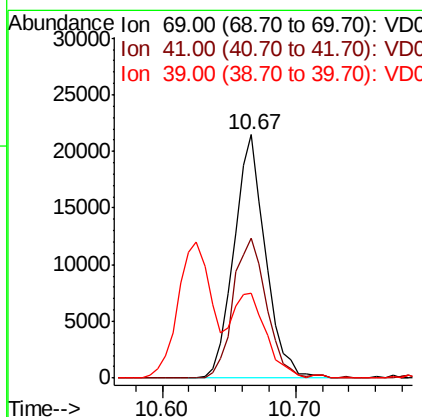
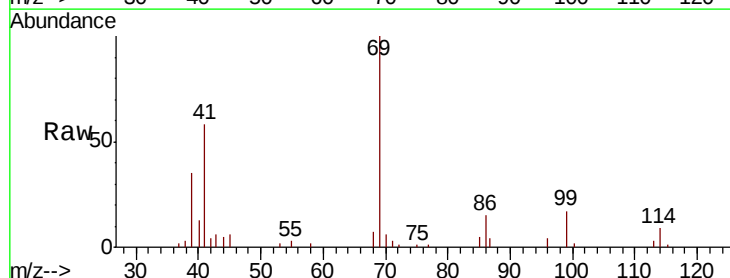
Instrument :
 MSVOA_D
 ClientSampleId :

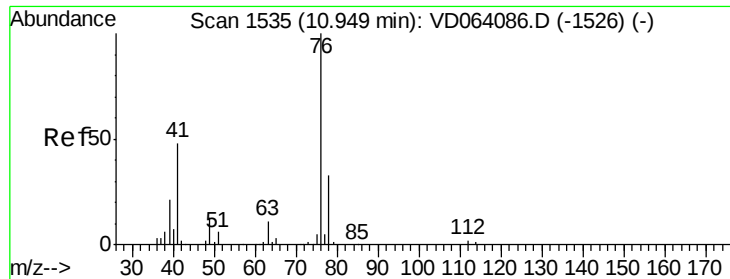
Tot Ion: 97 Resp: 32698
 Ion Ratio Lower Upper
 97 100
 83 72.3 60.9 91.3
 85 47.0 40.2 60.2
 99 51.5 51.9 77.9#



#56
 Ethyl methacrylate
 Concen: 19.055 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 69 Resp: 35104
 Ion Ratio Lower Upper
 69 100
 41 61.5 46.9 70.3
 39 38.9 27.3 40.9

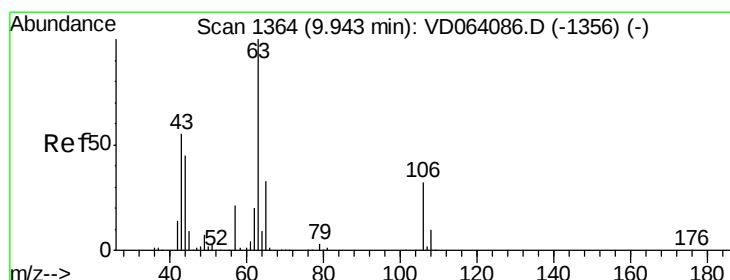
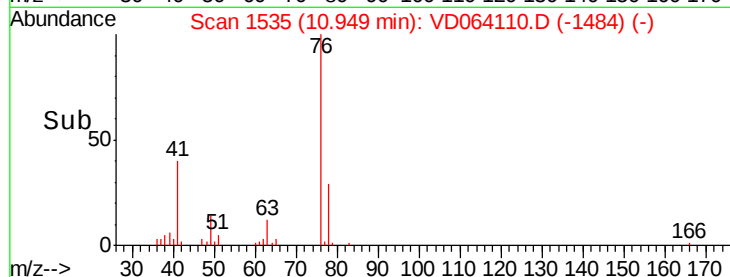
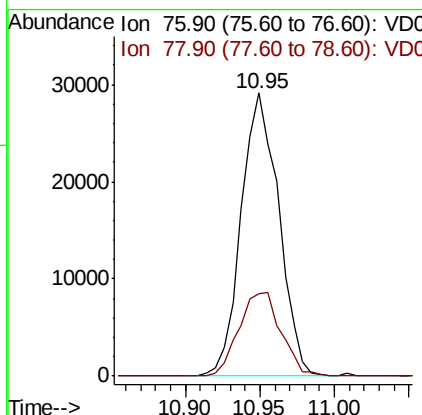
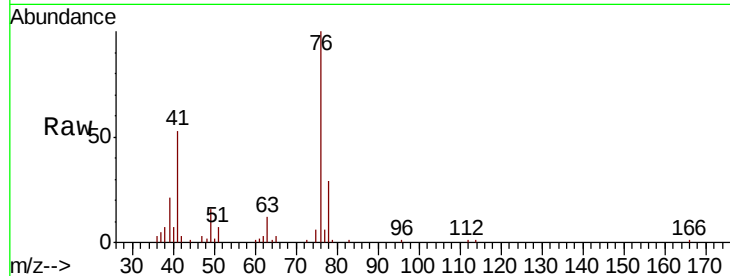




#57
 1,3-Dichloropropane
 Concen: 18.141 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

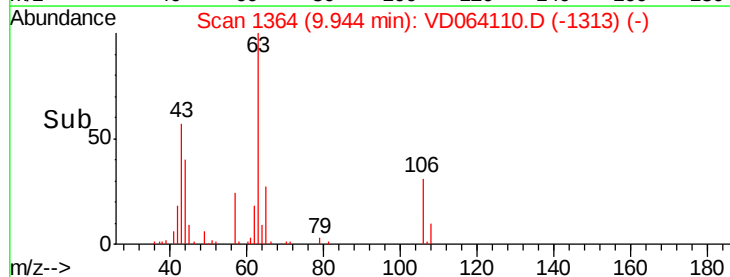
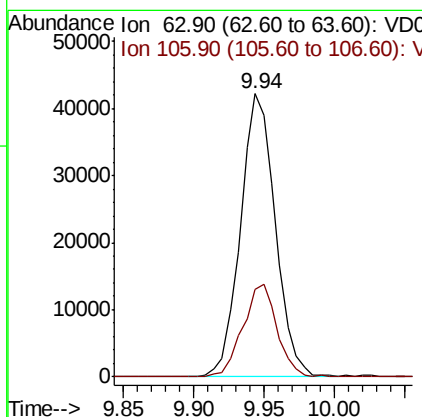
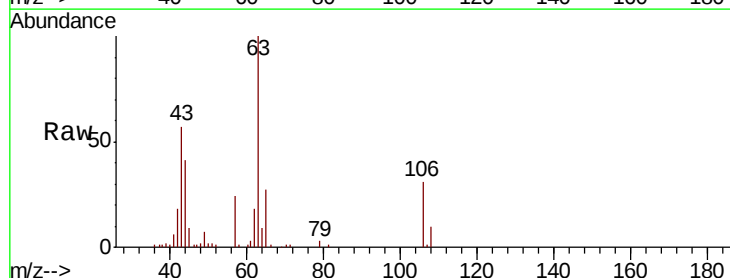
Instrument :
 MSVOA_D
 ClientSampleId :

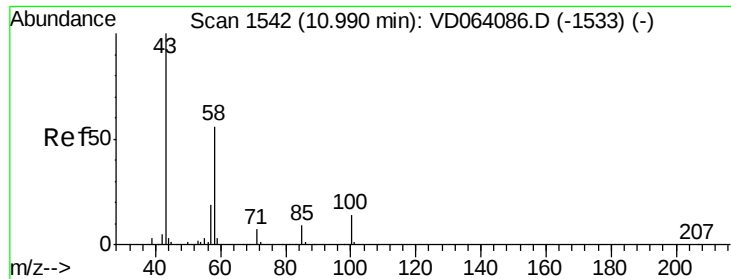
Tot Ion: 76 Resp: 50770
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.268 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion: 63 Resp: 72854
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.8 38.8

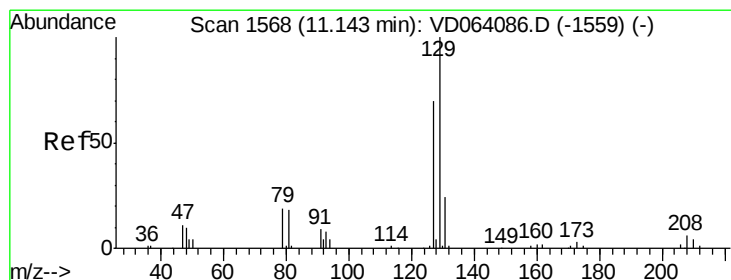
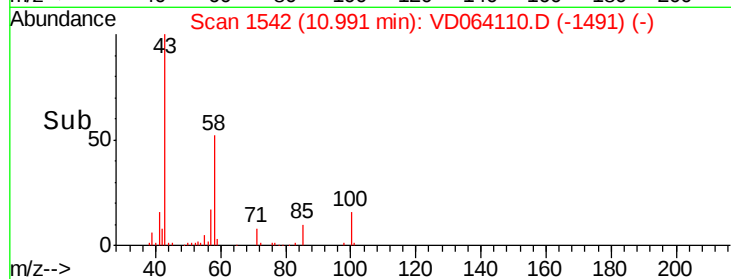
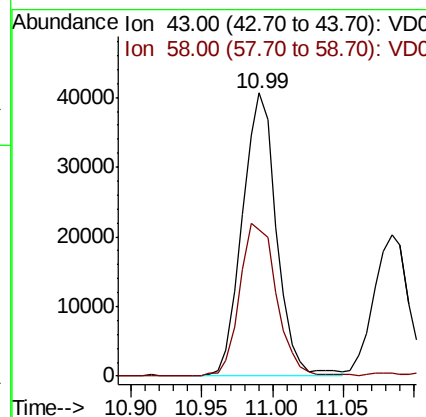
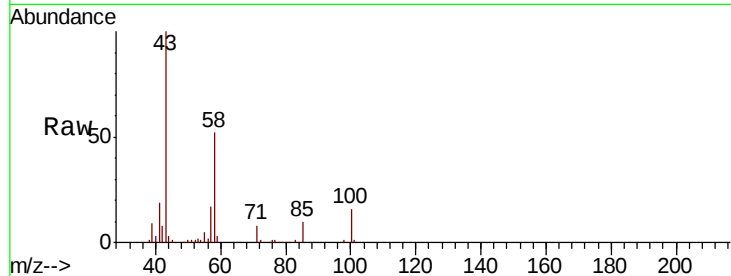




#59
2-Hexanone
Concen: 88.750 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

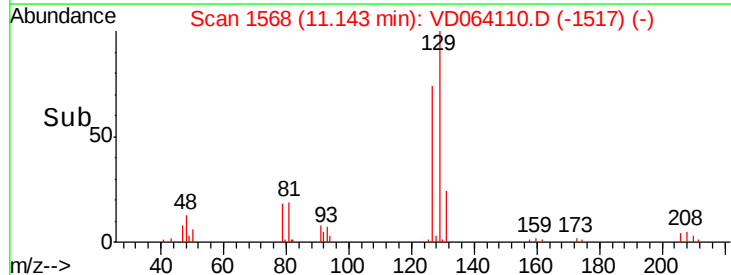
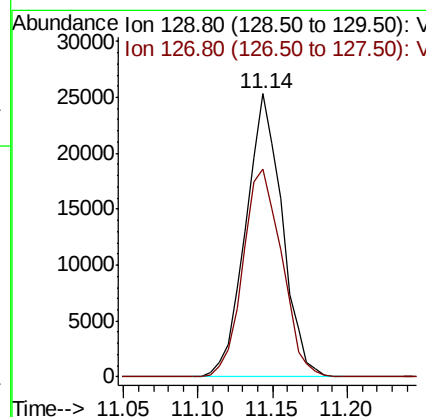
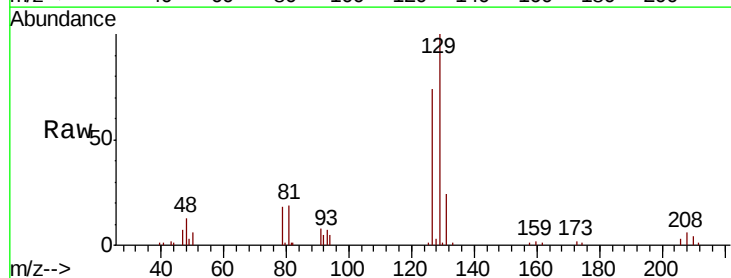
Instrument :
MSVOA_D
ClientSampled :

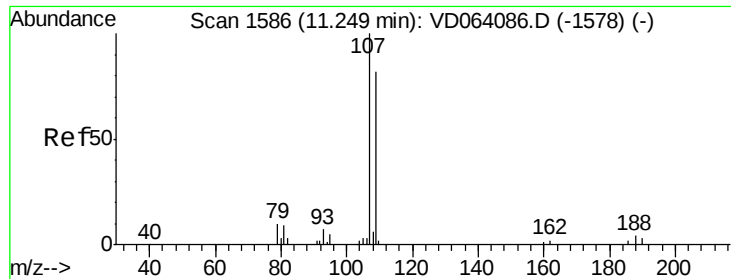
Tot Ion: 43 Resp: 68859
Ion Ratio Lower Upper
43 100
58 58.2 29.2 87.6



#60
Dibromochloromethane
Concen: 18.622 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 129 Resp: 42773
Ion Ratio Lower Upper
129 100
127 78.3 38.3 114.8

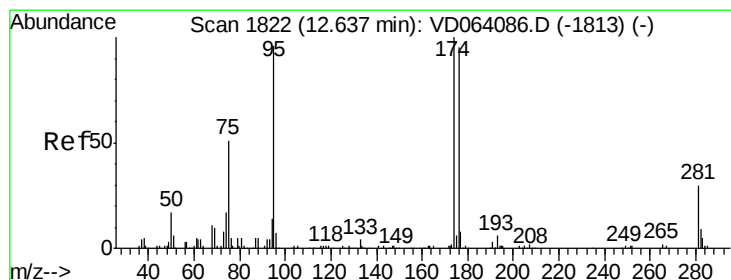
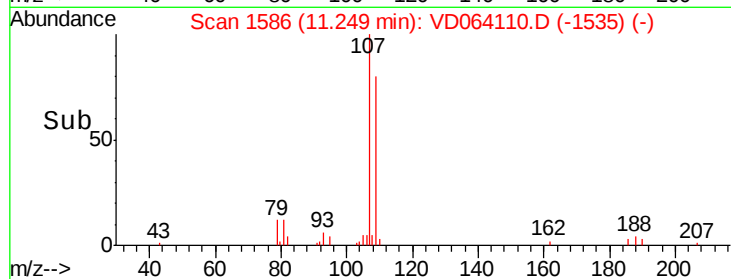
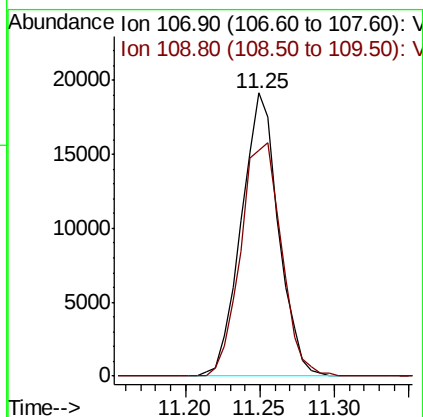
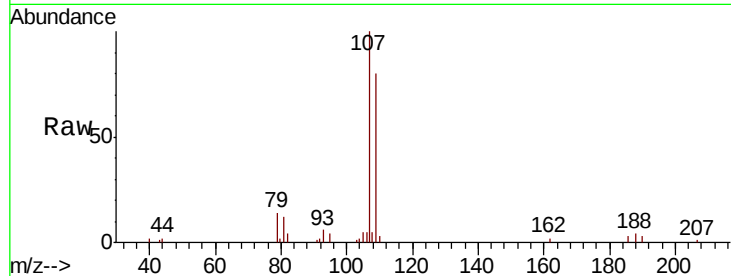




#61
1,2-Dibromoethane
Concen: 19.513 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

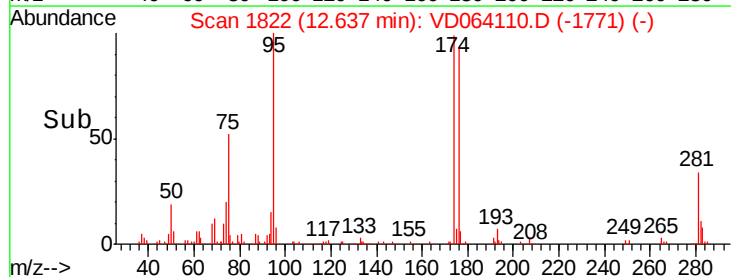
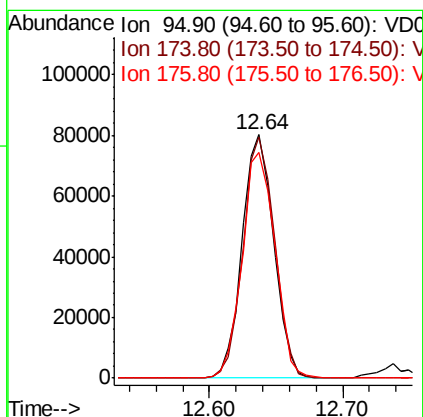
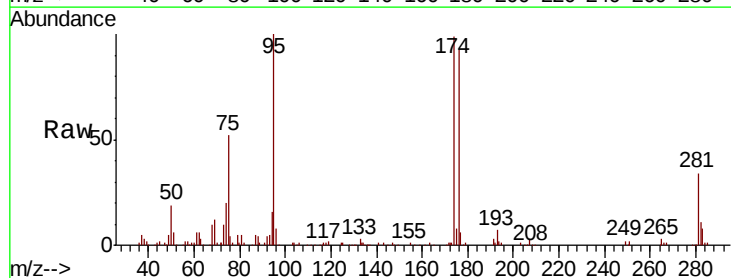
Instrument :
MSVOA_D
ClientSampleId :

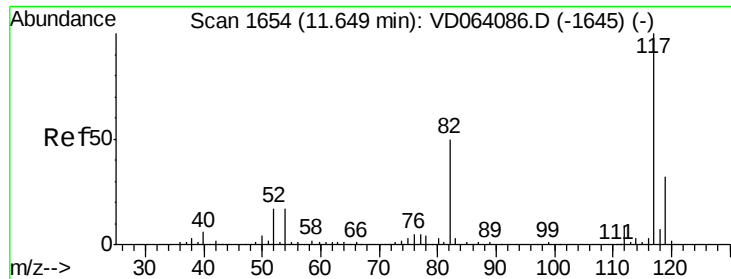
Tot Ion:107 Resp: 33025
Ion Ratio Lower Upper
107 100
109 90.5 73.0 109.4



#62
4-Bromofluorobenzene
Concen: 48.254 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 95 Resp: 131724
Ion Ratio Lower Upper
95 100
174 98.2 0.0 201.6
176 95.7 0.0 192.6

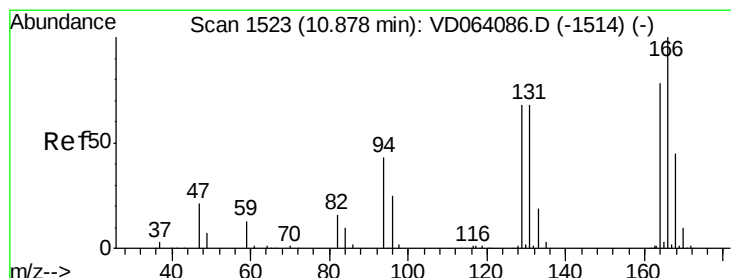
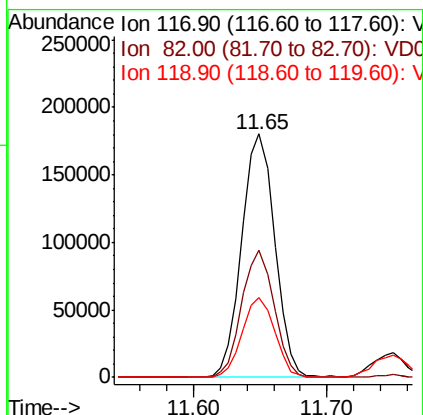
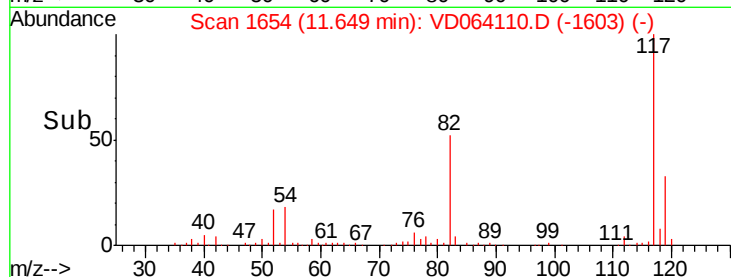
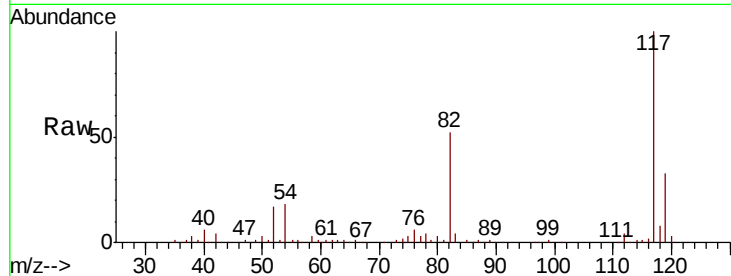




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

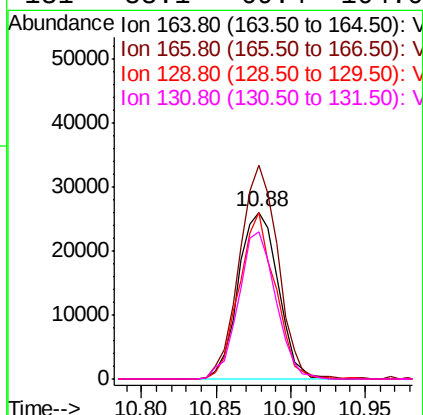
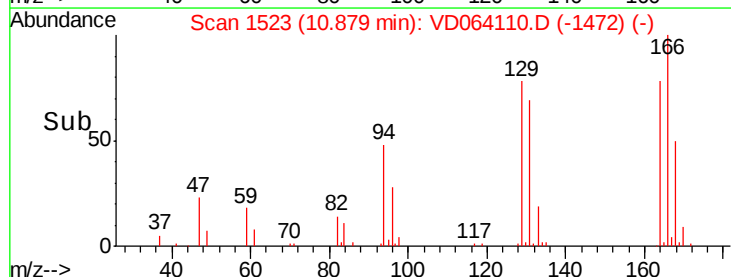
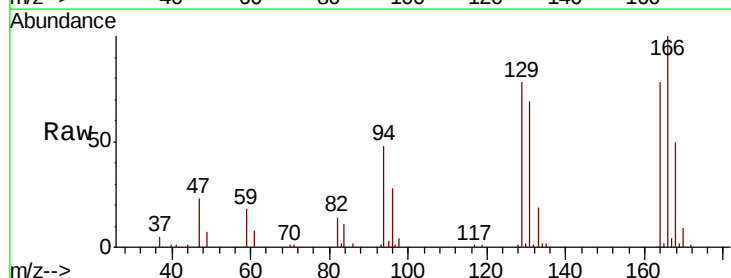
Instrument :
MSVOA_D
ClientSampled :

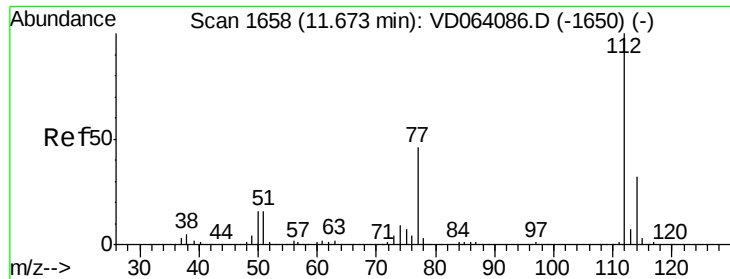
Tot Ion:117 Resp: 310170
Ion Ratio Lower Upper
117 100
82 52.3 40.2 60.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 21.532 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:164 Resp: 47980
Ion Ratio Lower Upper
164 100
166 128.3 102.7 154.1
129 100.0 69.8 104.6
131 88.1 69.4 104.0

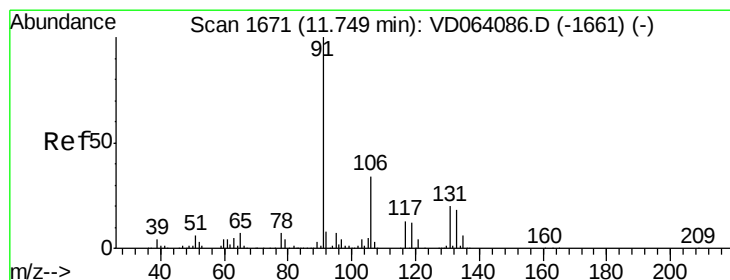
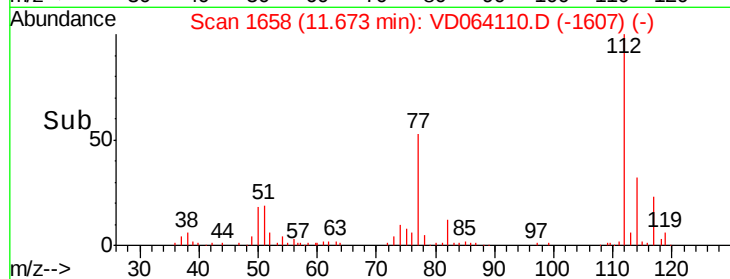
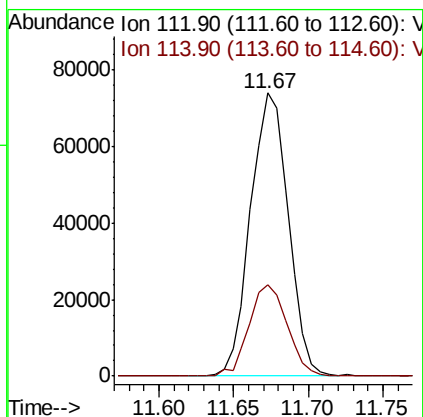
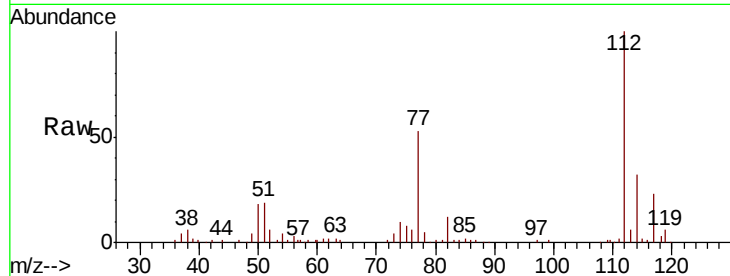




#65
Chlorobenzene
Concen: 20.223 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

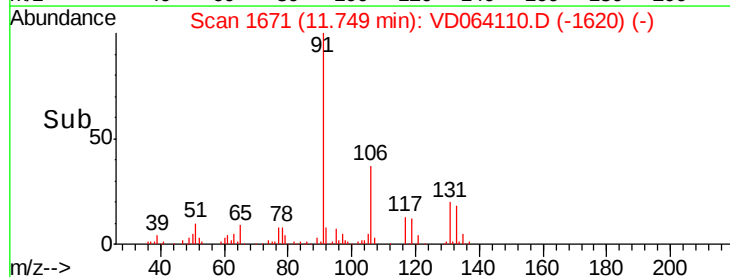
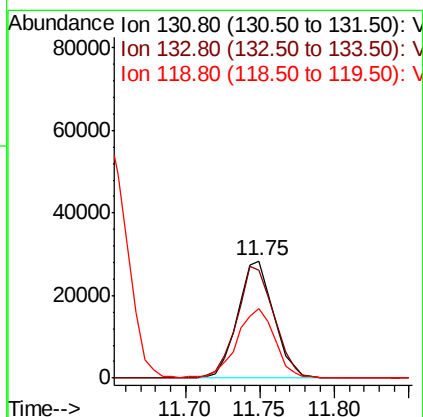
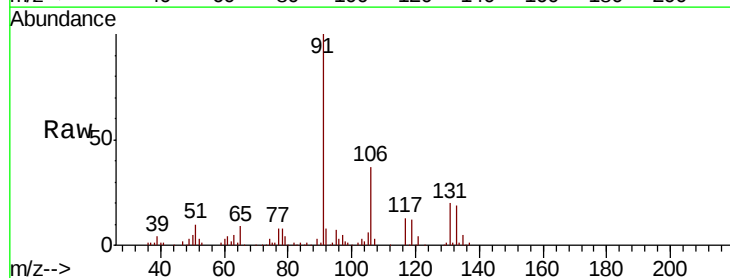
Instrument :
MSVOA_D
ClientSampled :

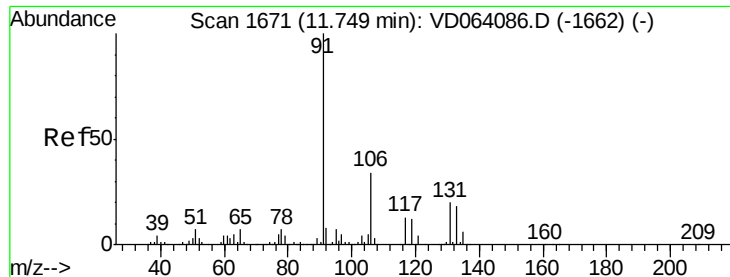
Tot Ion:112 Resp: 129605
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.814 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:131 Resp: 47516
Ion Ratio Lower Upper
131 100
133 98.8 47.6 142.9
119 62.5 31.4 94.3





#67

Ethyl Benzene

Concen: 20.213 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

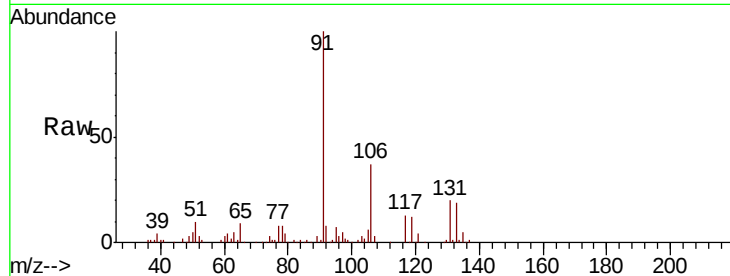
ClientSampleId :

Tot Ion: 91 Resp: 230405

Ion Ratio Lower Upper

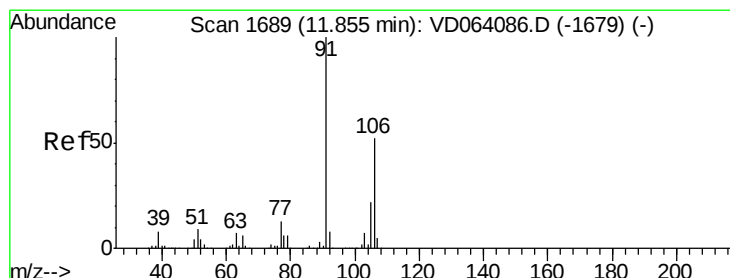
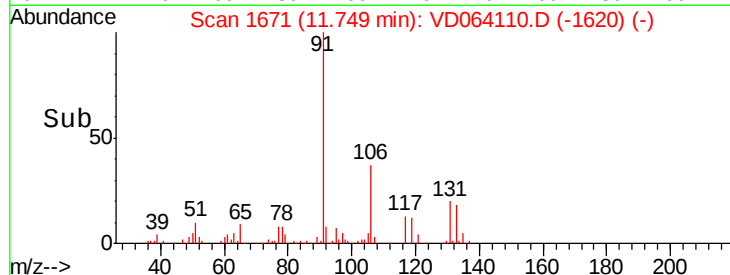
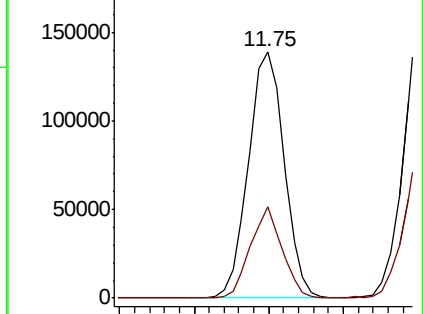
91 100

106 37.0 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 40.764 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064110.D

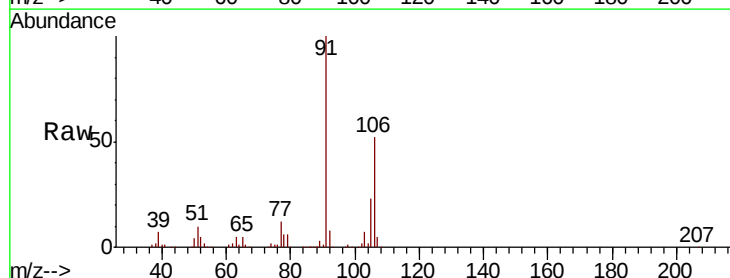
Acq: 30 Oct 2019 12:56

Tgt Ion: 106 Resp: 186905

Ion Ratio Lower Upper

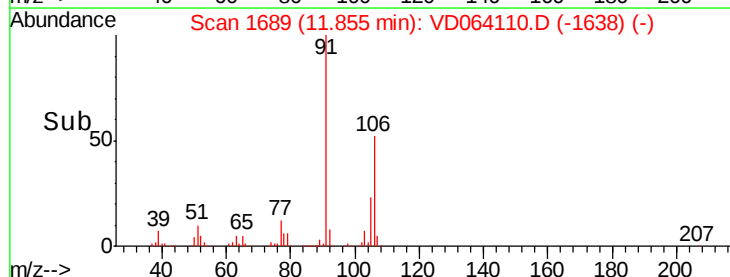
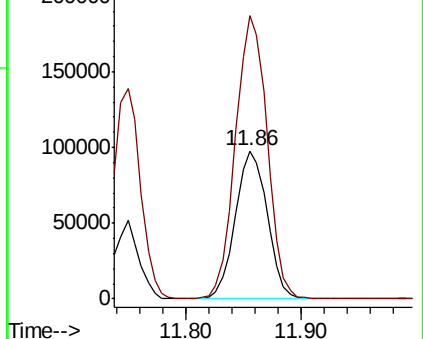
106 100

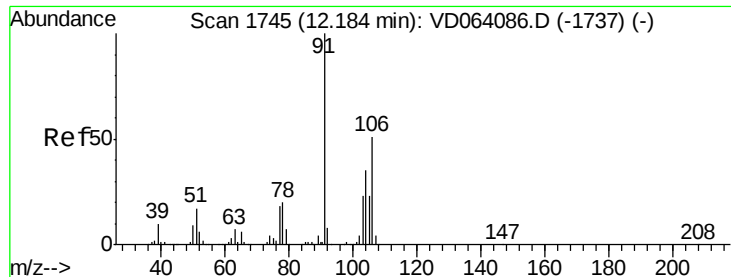
91 190.3 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

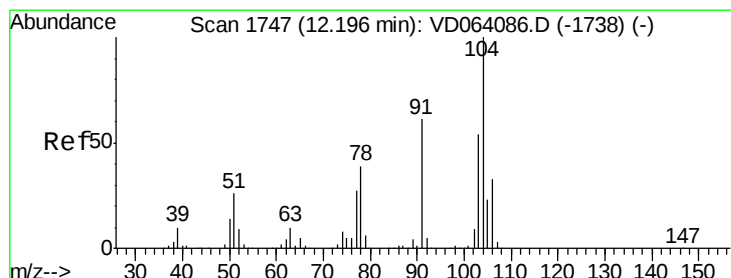
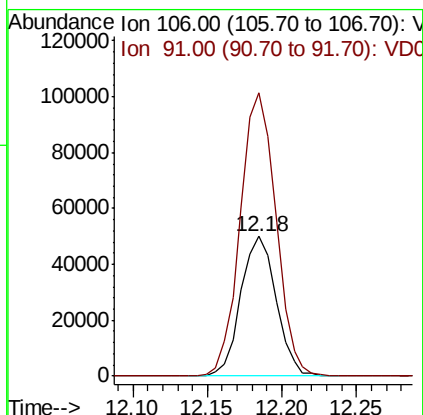
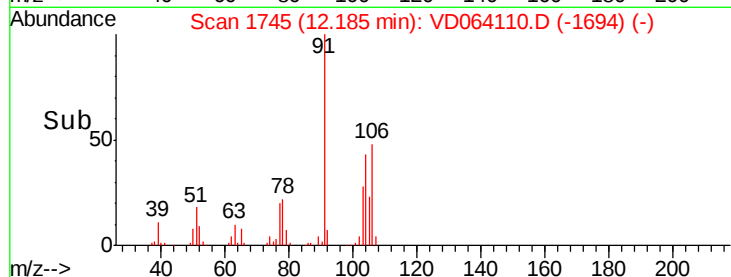
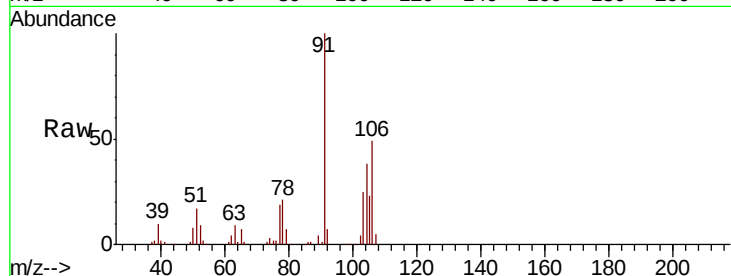




#69
o-Xylene
Concen: 19.622 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

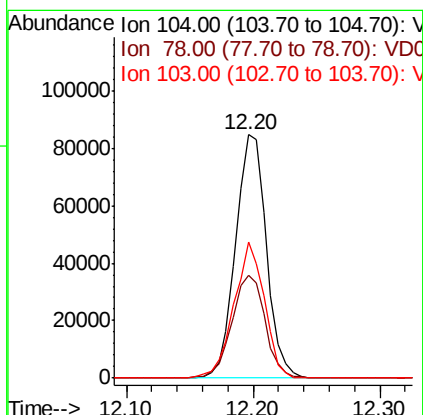
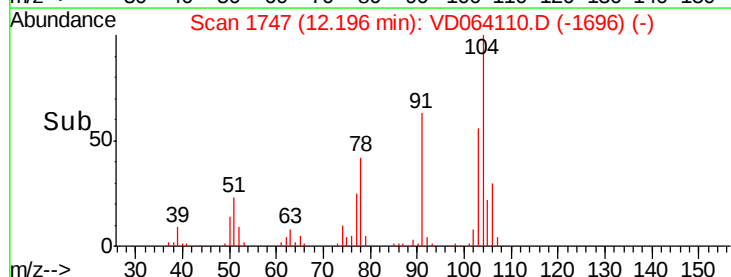
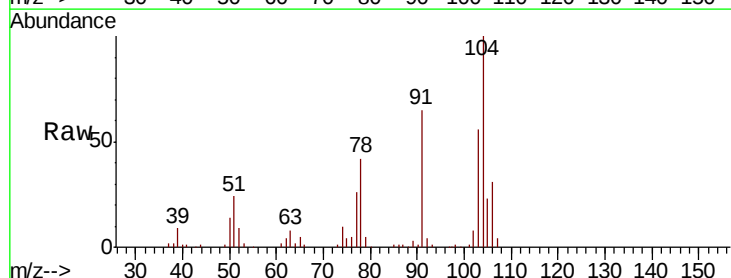
Instrument :
MSVOA_D
ClientSampleId :

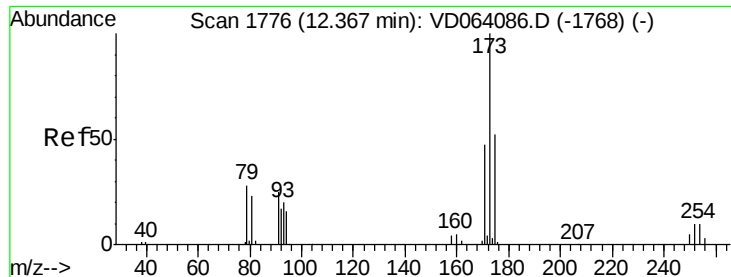
Tot Ion:106 Resp: 82106
Ion Ratio Lower Upper
106 100
91 205.8 100.6 301.9



#70
Styrene
Concen: 19.703 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:104 Resp: 142191
Ion Ratio Lower Upper
104 100
78 45.4 34.6 51.8
103 54.9 44.2 66.2

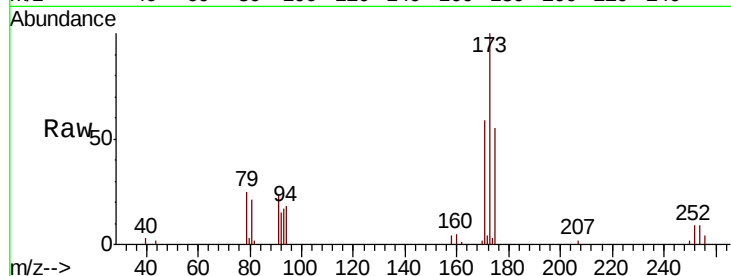




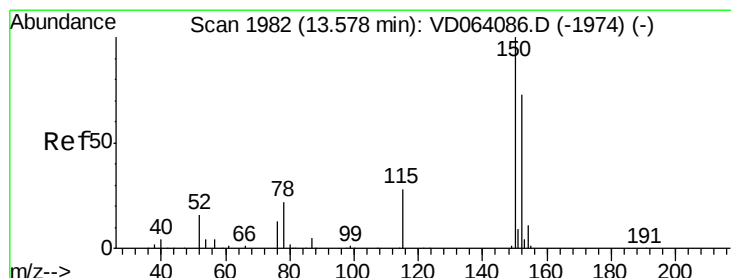
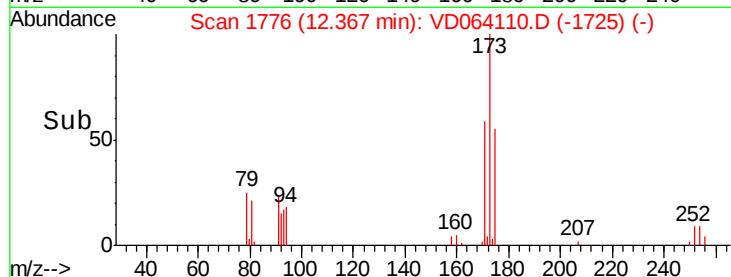
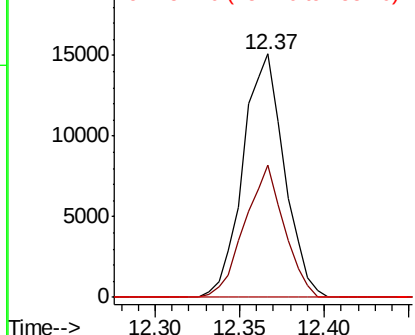
#71
Bromoform
Concen: 19.997 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 25611
Ion Ratio Lower Upper
173 100
175 52.2 24.3 72.9
254 0.0 0.0 0.0

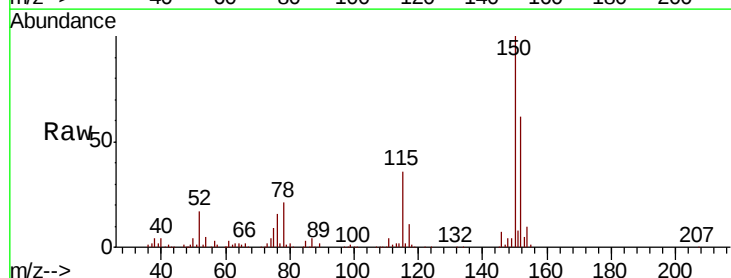


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

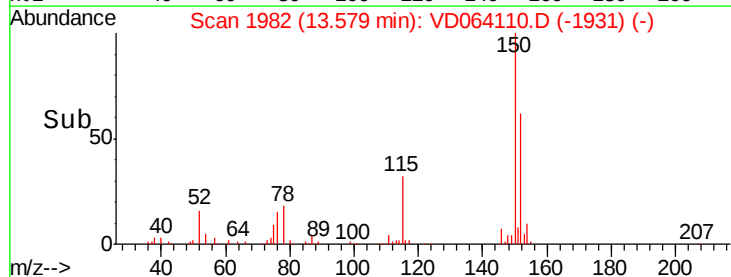
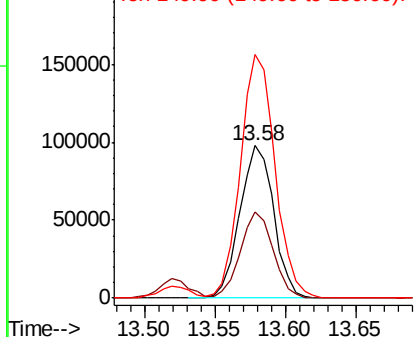


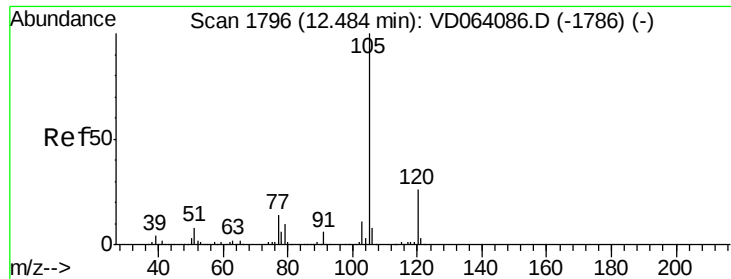
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:152 Resp: 164553
Ion Ratio Lower Upper
152 100
115 54.8 26.2 78.6
150 162.8 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: 20.139 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

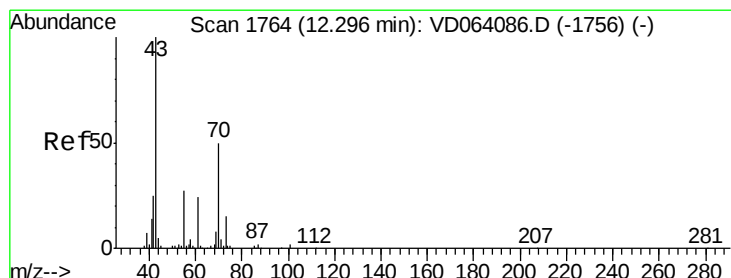
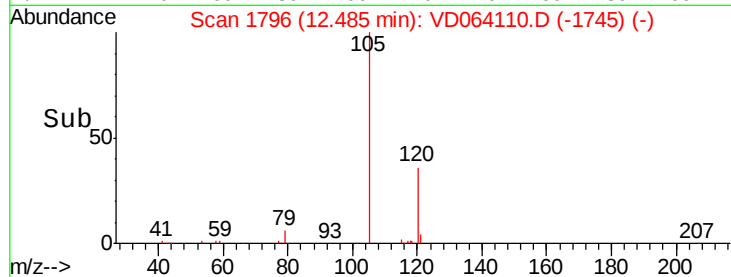
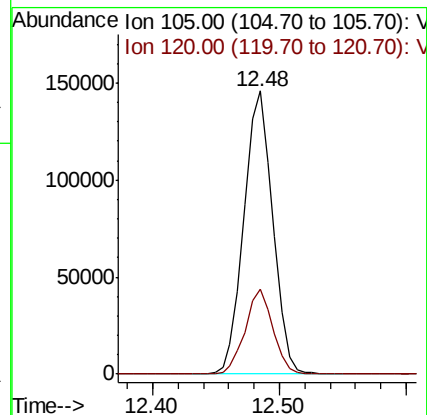
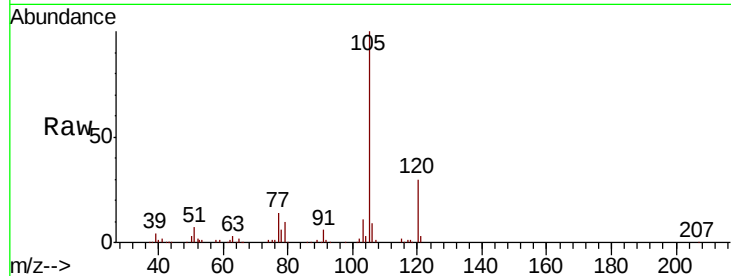
ClientSampleId :

Tot Ion:105 Resp: 230286

Ion Ratio Lower Upper

105 100

120 28.8 13.3 39.9



#74

N-ethyl acetate

Concen: 18.552 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Tgt Ion: 43 Resp: 35243

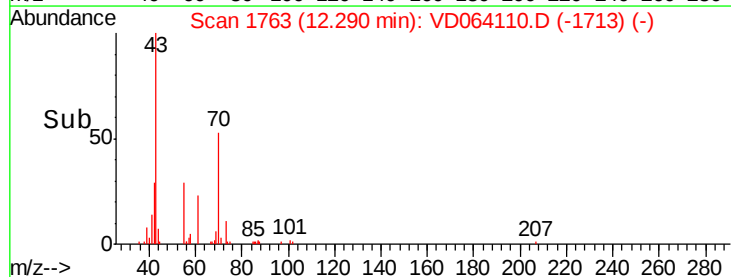
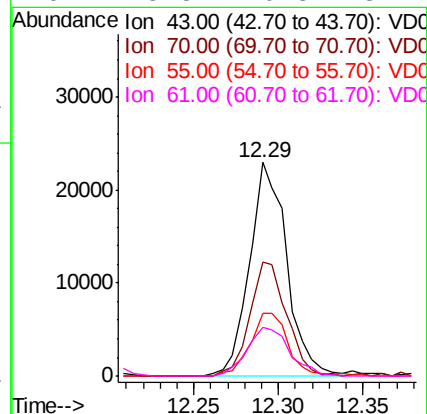
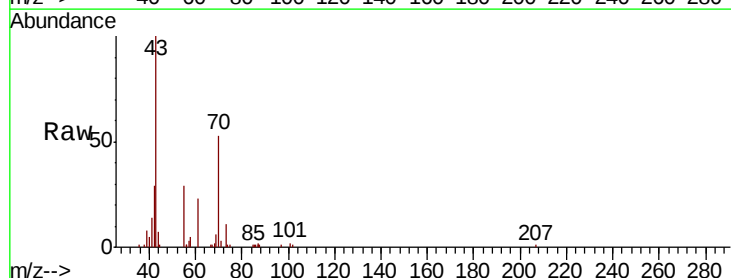
Ion Ratio Lower Upper

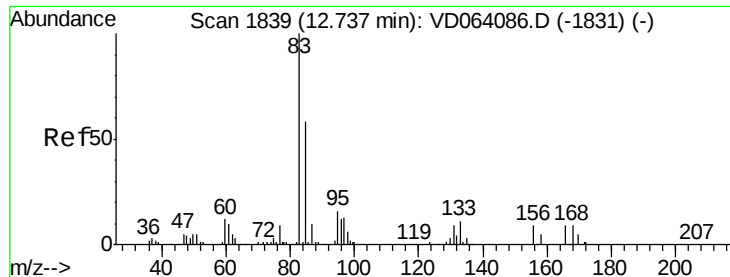
43 100

70 52.8 38.6 58.0

55 30.3 20.4 30.6

61 25.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.076 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

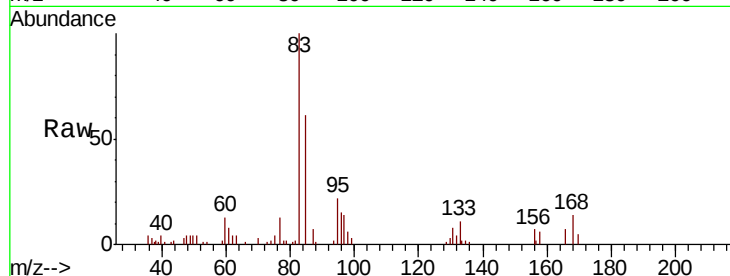
Tot Ion: 83 Resp: 36184

Ion Ratio Lower Upper

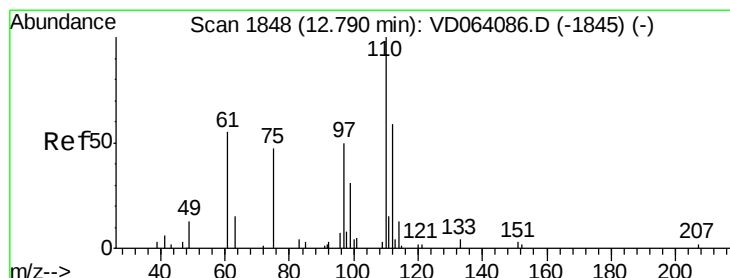
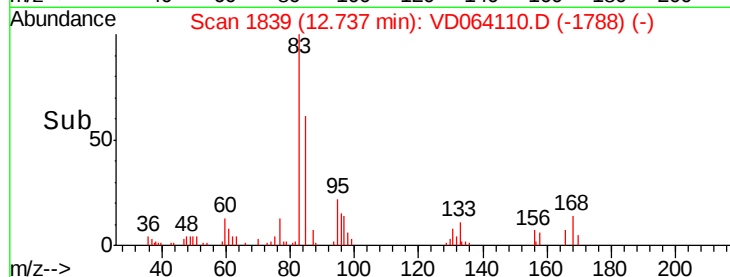
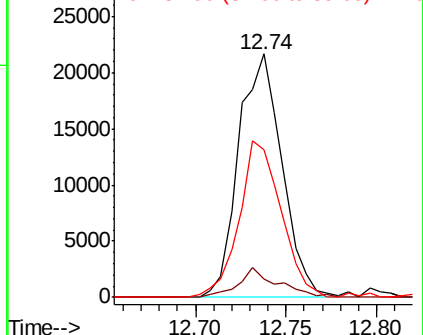
83 100

131 11.1 5.7 17.0

85 62.0 32.1 96.5



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



#76

1,2,3-Trichloropropane

Concen: 40.878 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064110.D

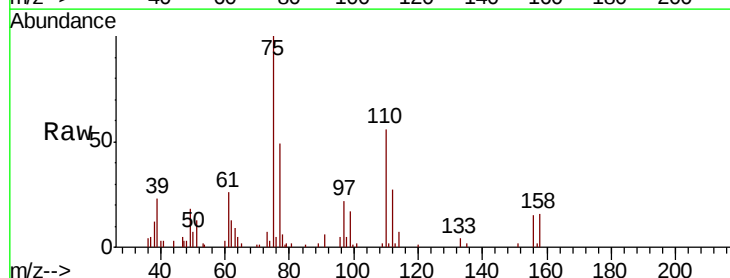
Acq: 30 Oct 2019 12:56

Tgt Ion: 75 Resp: 45199

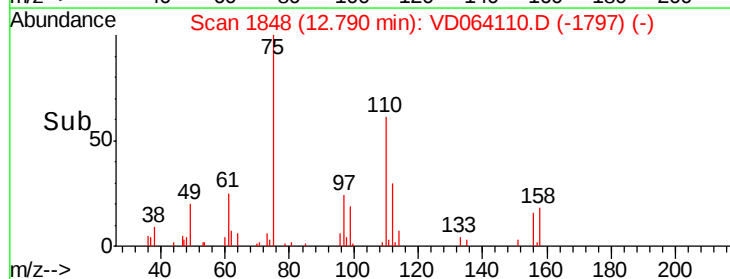
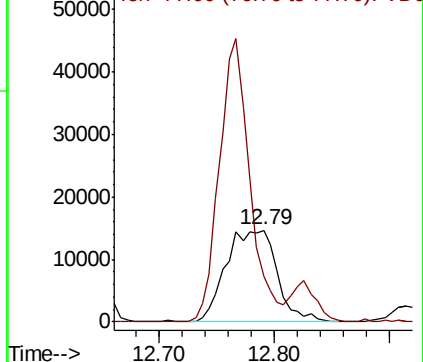
Ion Ratio Lower Upper

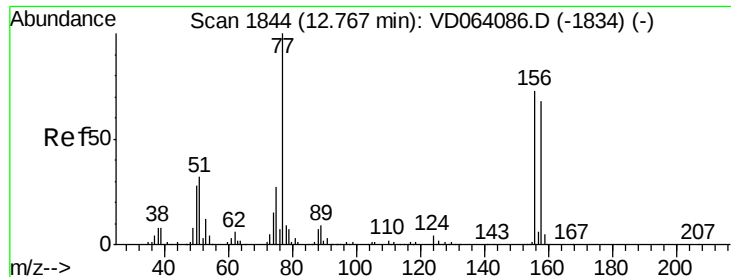
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.311 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

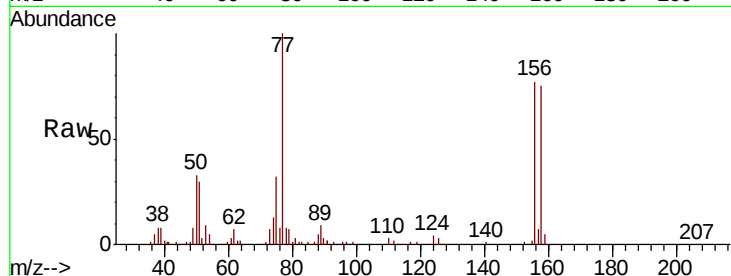
Tot Ion:156 Resp: 58837

Ion Ratio Lower Upper

156 100

77 141.5 76.0 228.0

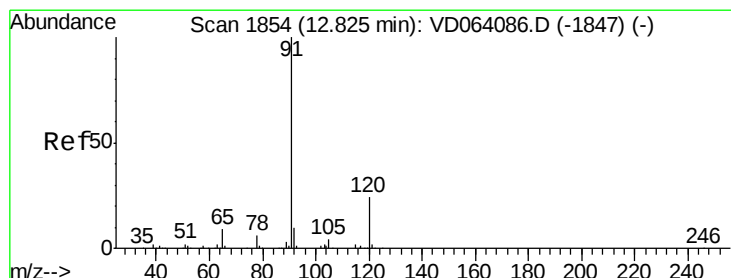
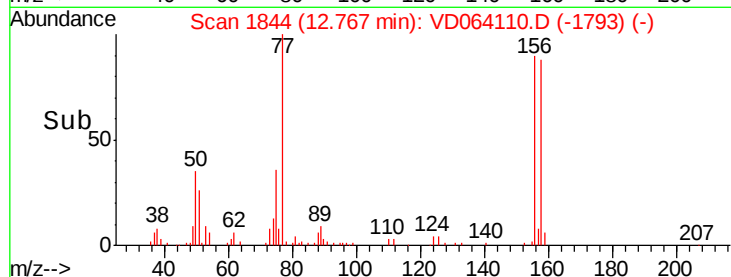
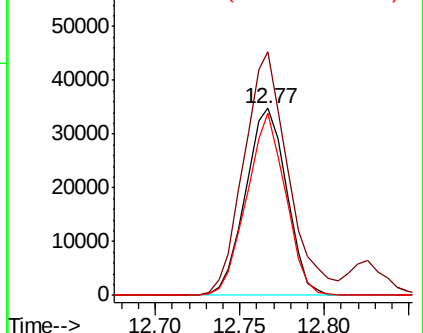
158 92.0 47.6 142.8



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: 20.279 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064110.D

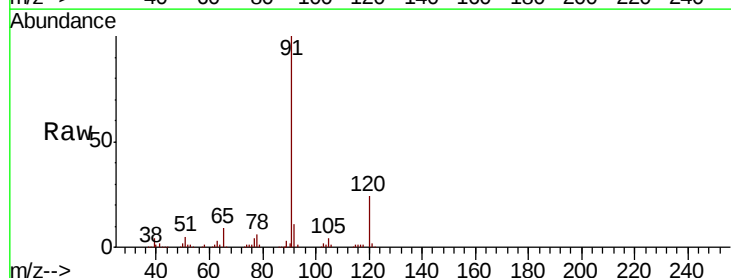
Acq: 30 Oct 2019 12:56

Tgt Ion: 91 Resp: 271739

Ion Ratio Lower Upper

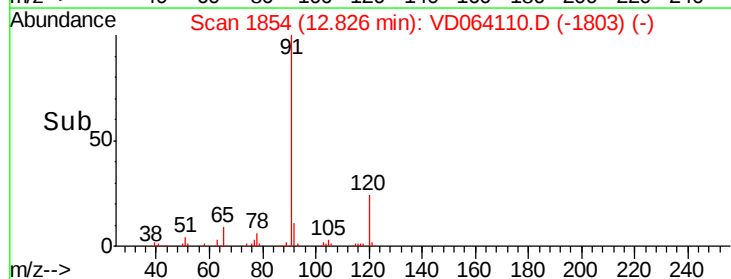
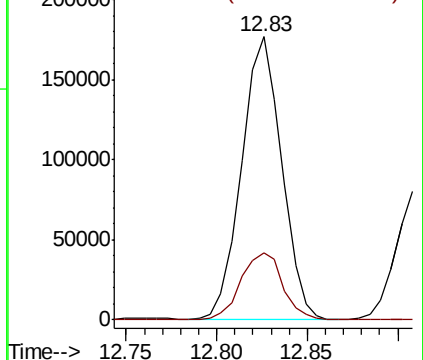
91 100

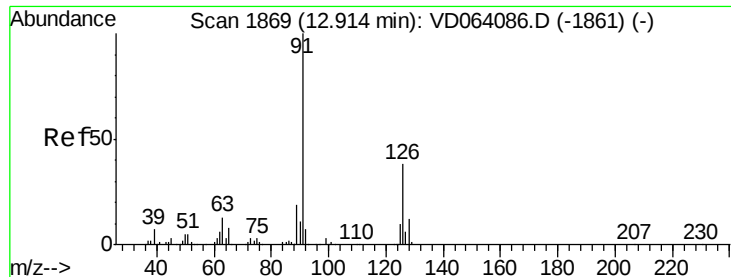
120 24.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

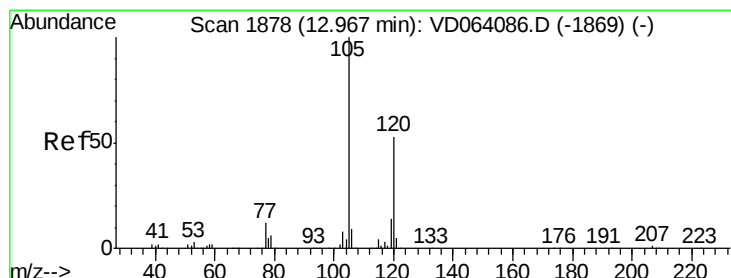
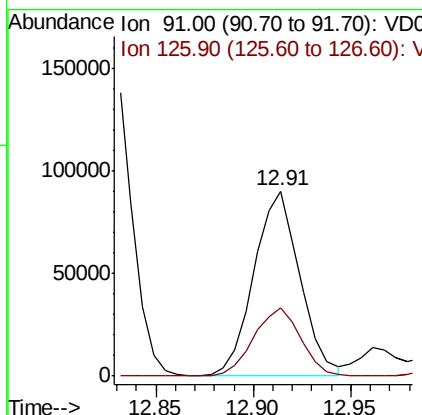
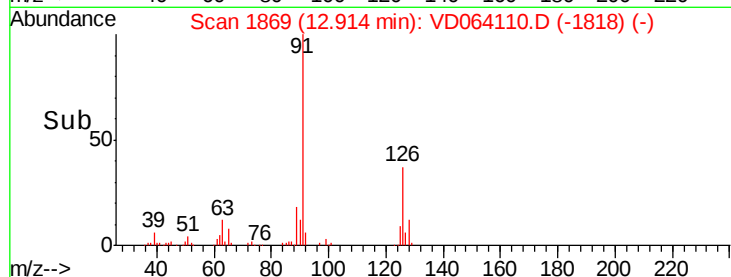
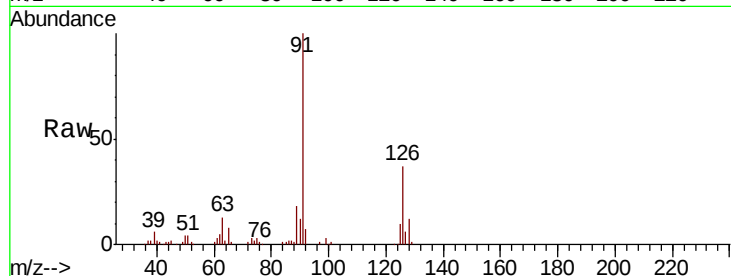




#79
2-Chlorotoluene
Concen: 20.466 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

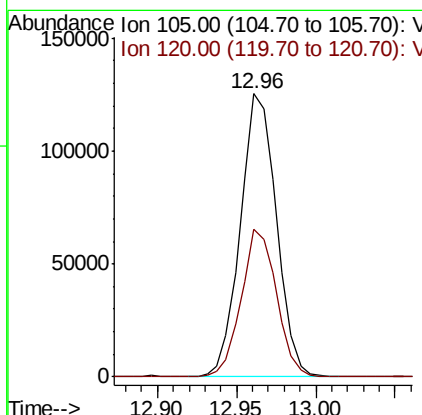
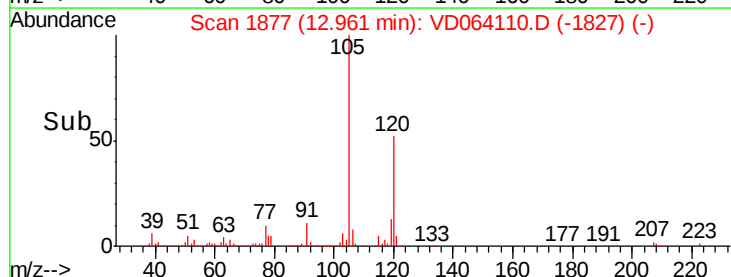
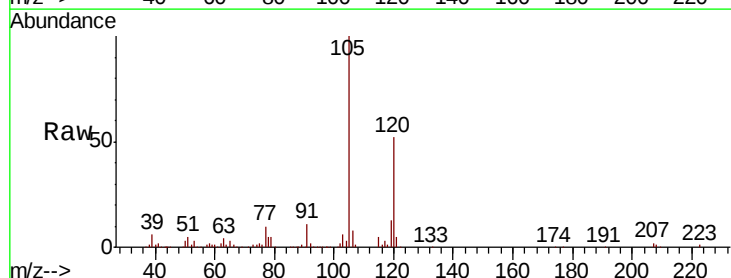
Instrument :
MSVOA_D
ClientSampleId :

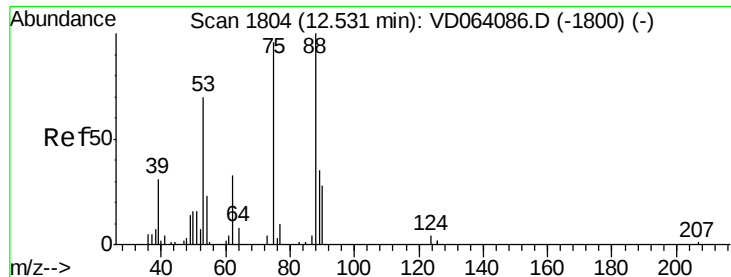
Tot Ion: 91 Resp: 147015
Ion Ratio Lower Upper
91 100
126 37.5 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 20.697 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:105 Resp: 198071
Ion Ratio Lower Upper
105 100
120 51.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.743 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

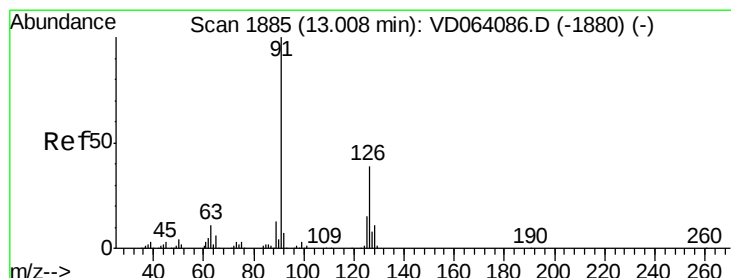
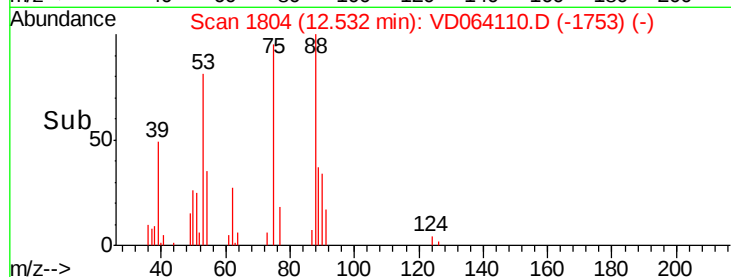
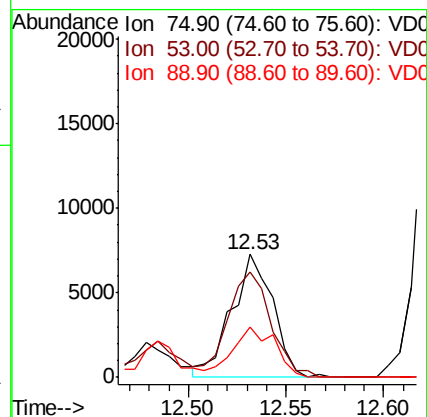
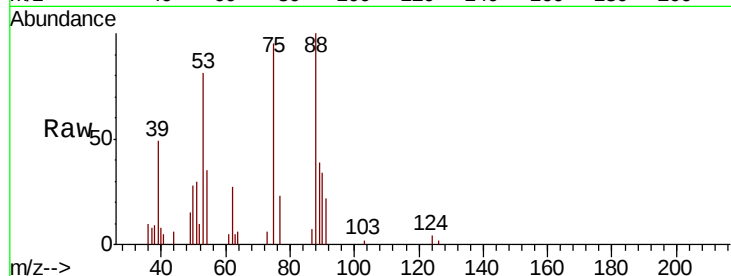
Tot Ion: 75 Resp: 10689

Ion Ratio Lower Upper

75 100

53 89.7 68.6 103.0

89 42.1 36.9 55.3



#82

4-Chlorotoluene

Concen: 20.238 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064110.D

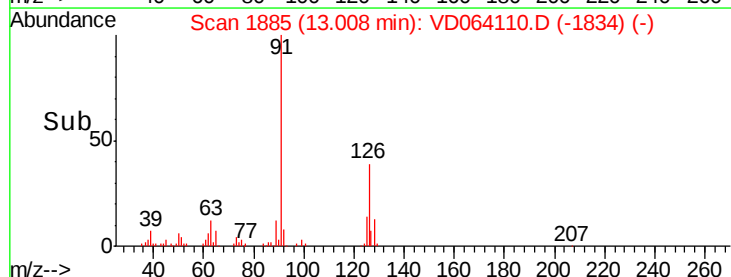
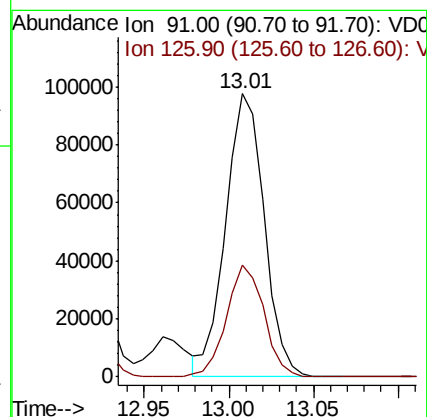
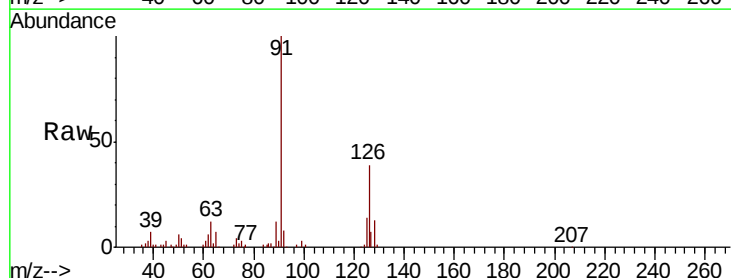
Acq: 30 Oct 2019 12:56

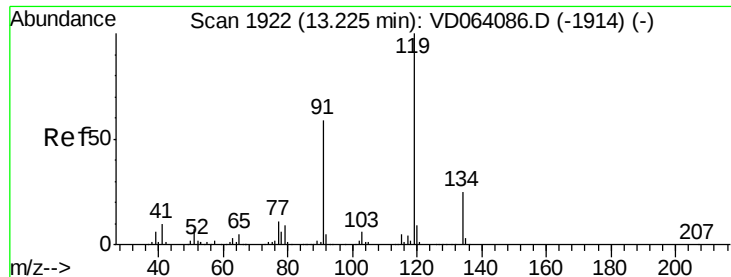
Tgt Ion: 91 Resp: 155338

Ion Ratio Lower Upper

91 100

126 38.2 18.9 56.5

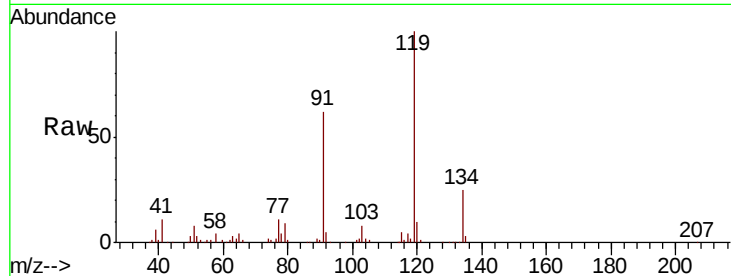




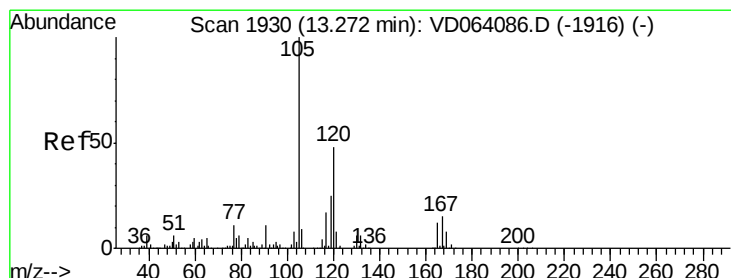
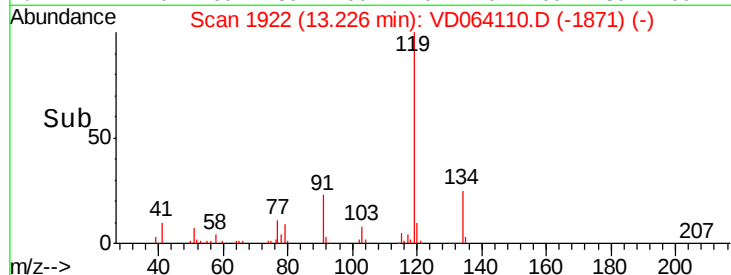
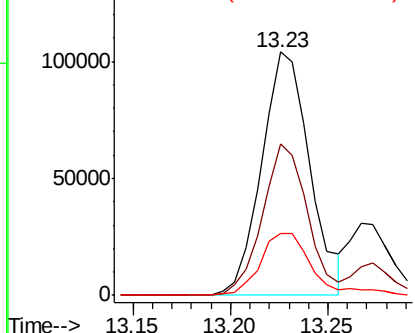
#83
tert-Butylbenzene
Concen: 20.763 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 178474
Ion Ratio Lower Upper
119 100
91 57.6 28.3 85.0
134 27.6 12.9 38.6

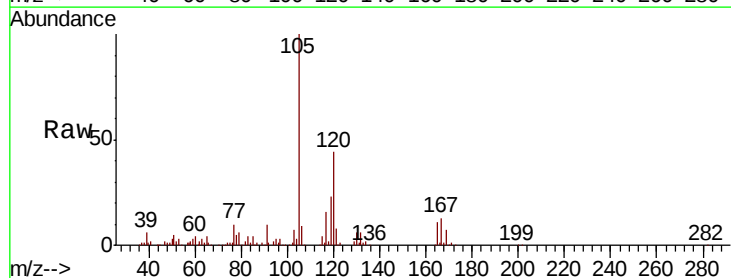


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

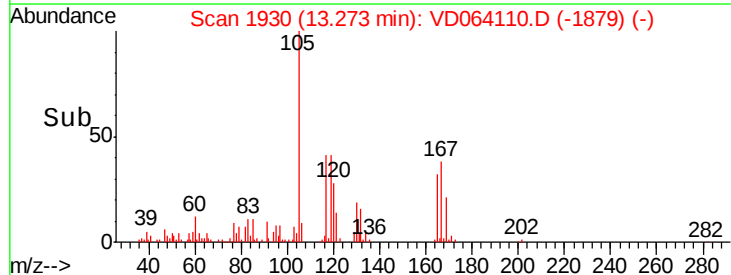
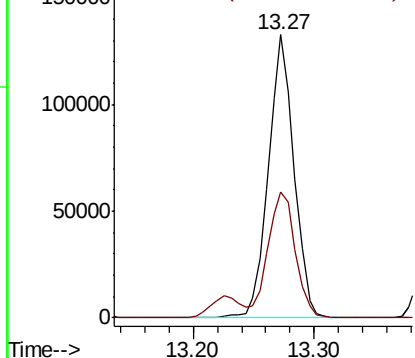


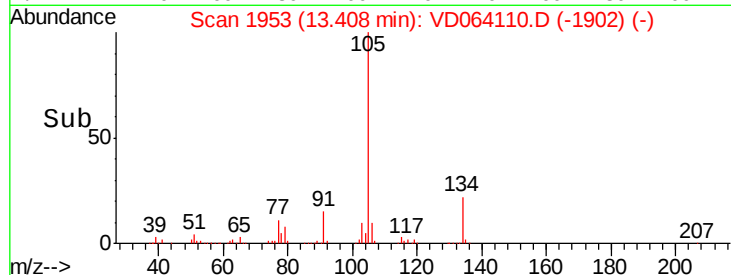
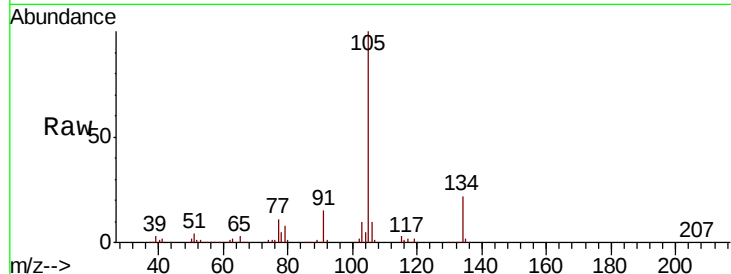
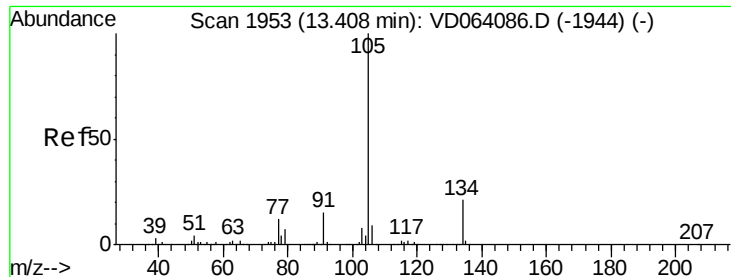
#84
1,2,4-Trimethylbenzene
Concen: 20.305 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion:105 Resp: 195202
Ion Ratio Lower Upper
105 100
120 47.9 24.1 72.4



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





#85

sec-Butylbenzene

Concen: 20.380 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

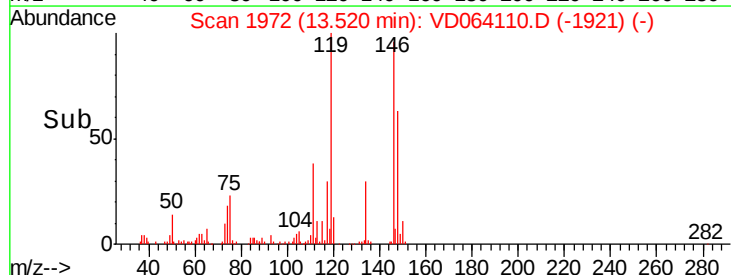
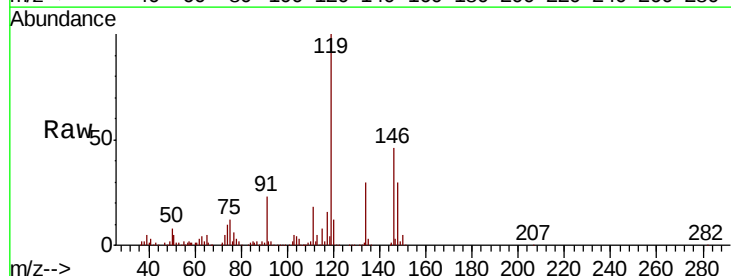
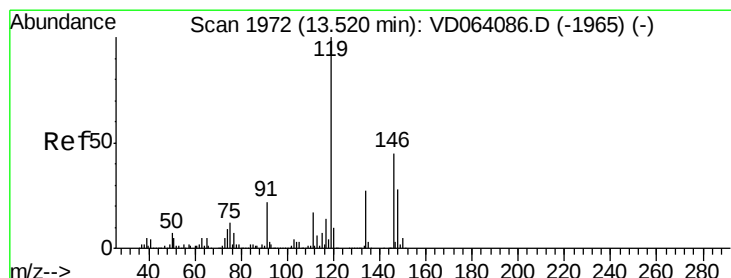
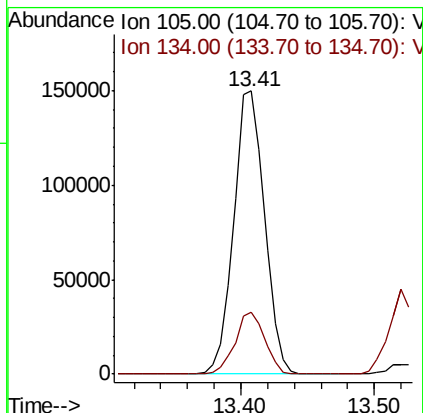
ClientSampleId :

Tot Ion:105 Resp: 240562

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.660 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

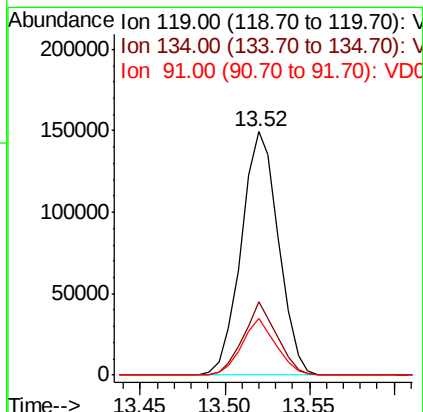
Tgt Ion:119 Resp: 229142

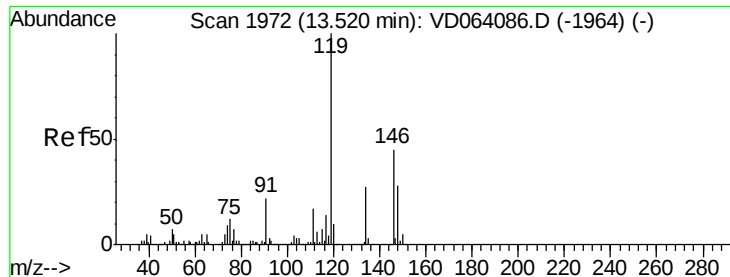
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.4 10.9 32.6

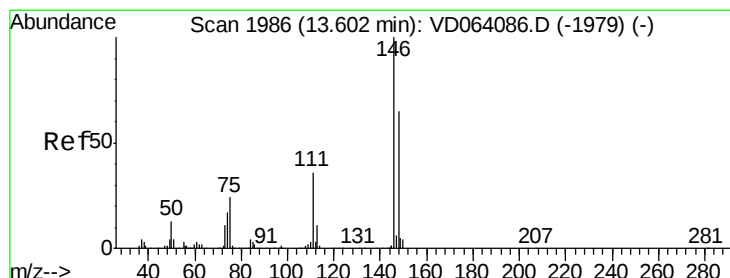
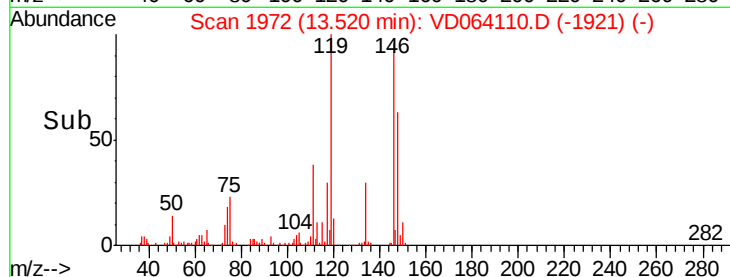
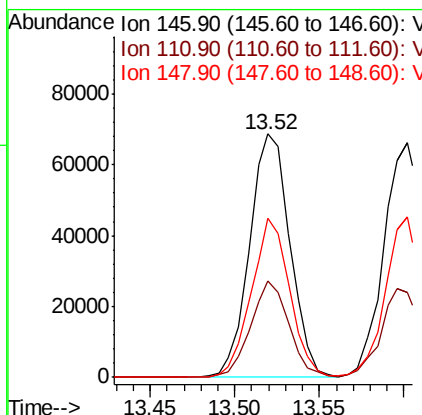
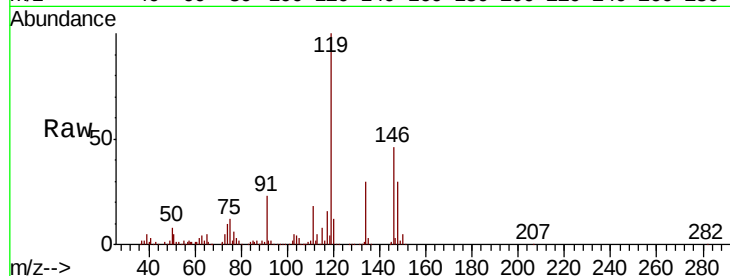




#87
 1,3-Dichlorobenzene
 Concen: 20.679 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

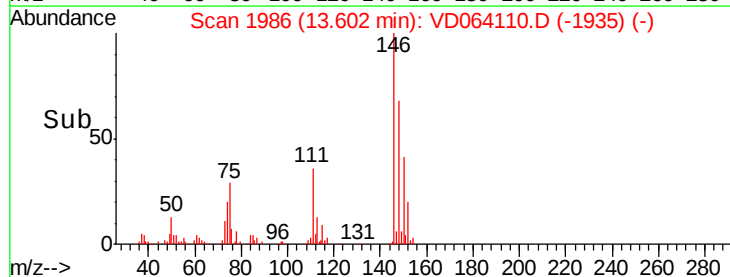
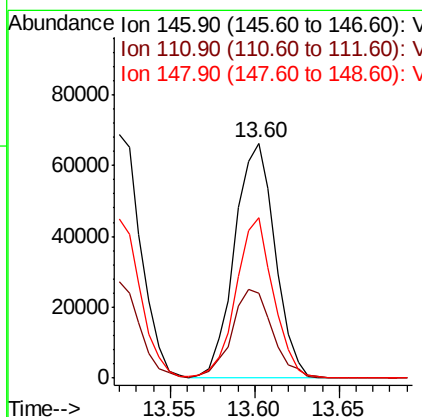
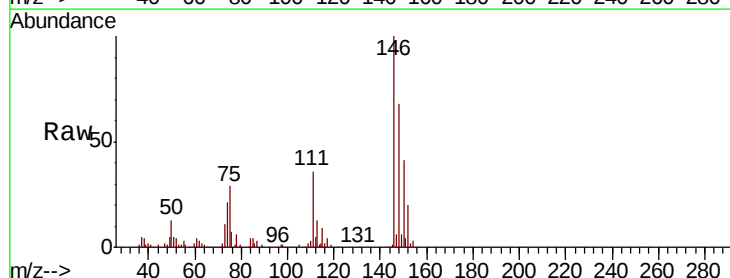
Instrument :
 MSVOA_D
 ClientSampled :

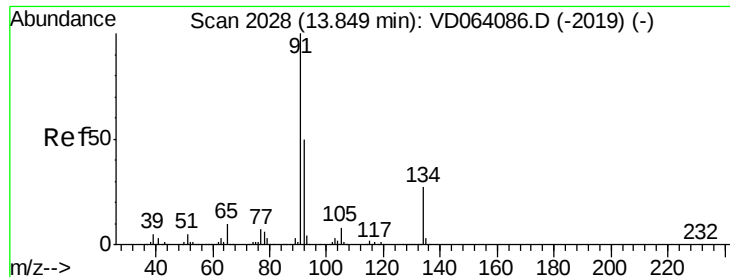
Tot Ion:146 Resp: 114408
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 62.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.263 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion:146 Resp: 110514
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.4
 148 63.3 32.4 97.0

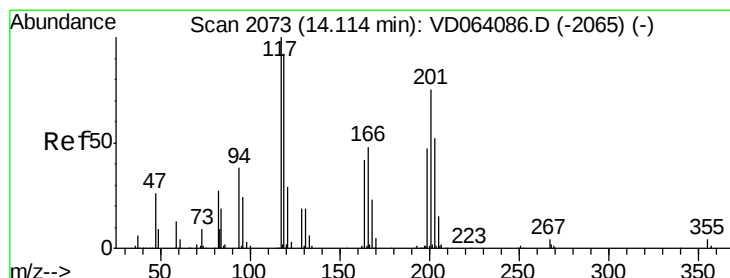
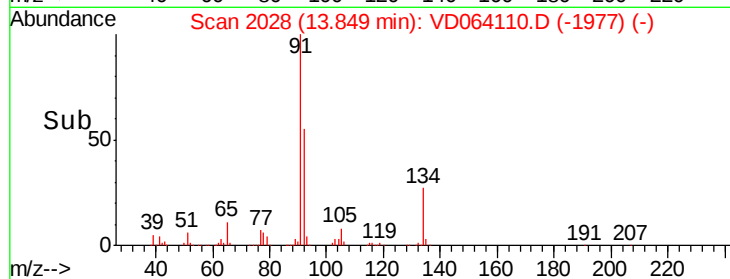
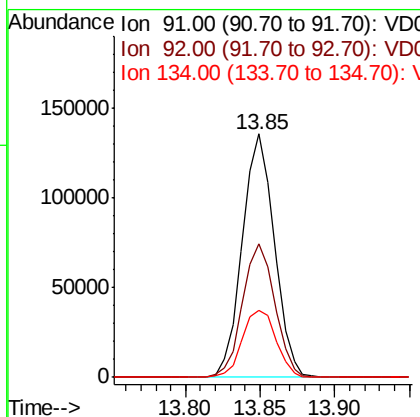
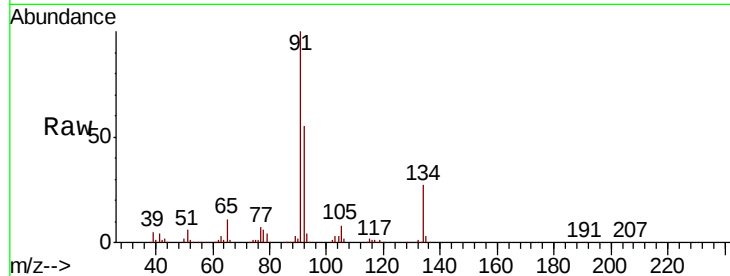




#89
n-Butylbenzene
Concen: 19.720 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

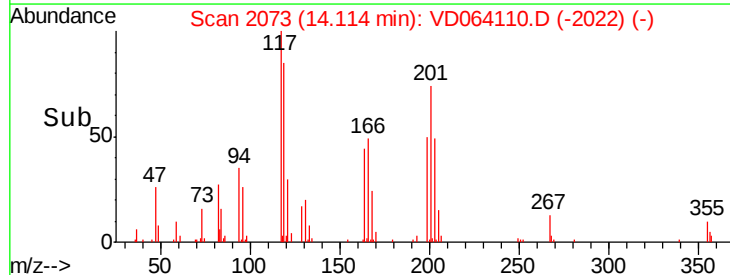
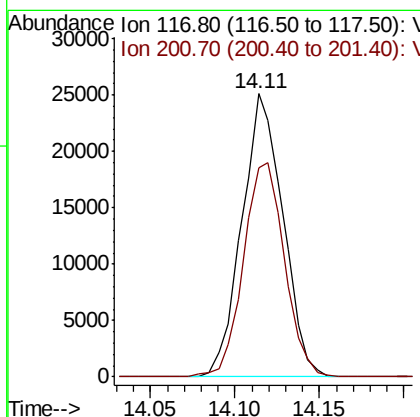
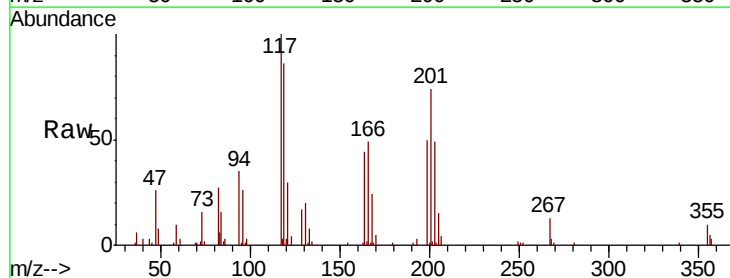
Instrument :
MSVOA_D
ClientSampled :

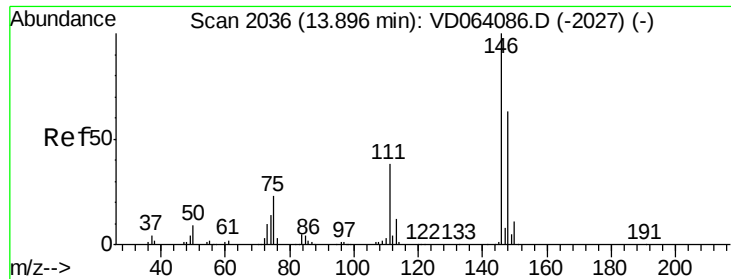
Tot Ion: 91 Resp: 201734
Ion Ratio Lower Upper
91 100
92 55.4 25.6 76.6
134 29.2 14.0 42.0



#90
Hexachloroethane
Concen: 20.447 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064110.D
Acq: 30 Oct 2019 12:56

Tgt Ion: 117 Resp: 42458
Ion Ratio Lower Upper
117 100
201 75.7 38.4 115.2





#91

1,2-Dichlorobenzene

Concen: 20.061 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

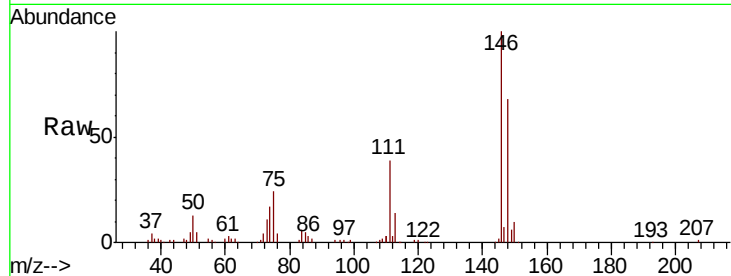
Tot Ion:146 Resp: 95519

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.1

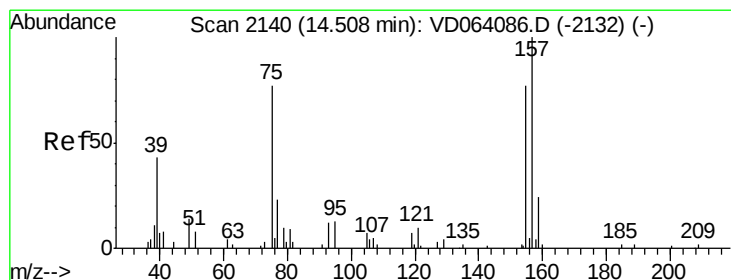
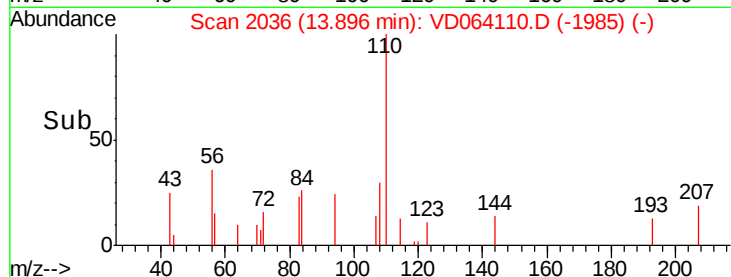
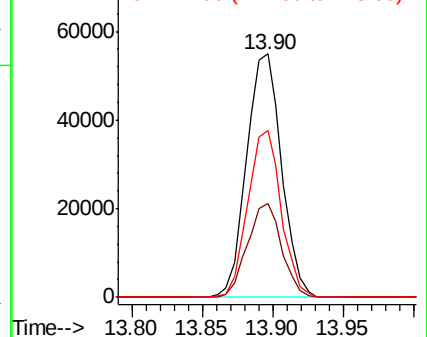
148 65.4 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.541 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

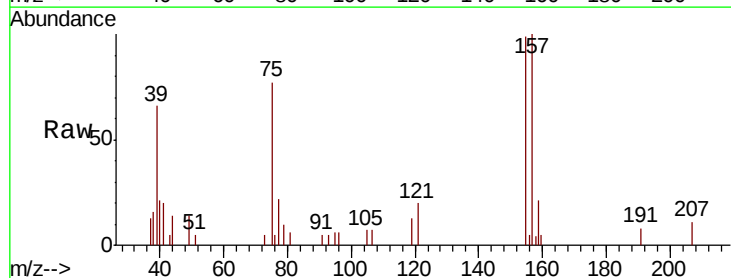
Tgt Ion: 75 Resp: 5407

Ion Ratio Lower Upper

75 100

155 96.9 56.3 168.9

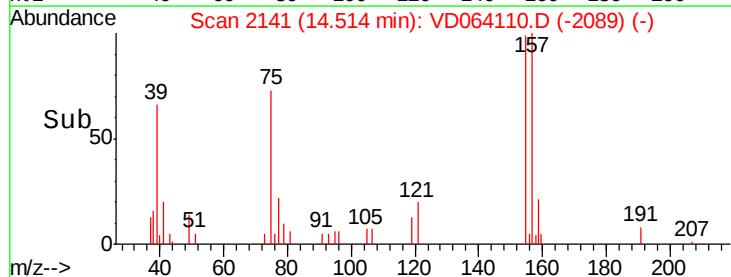
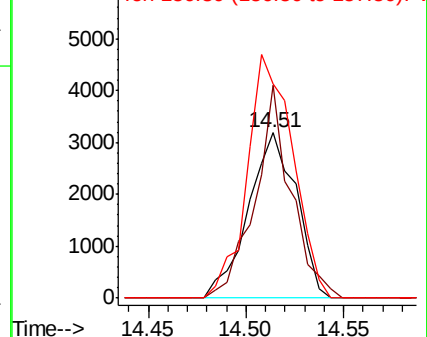
157 140.8 72.2 216.6

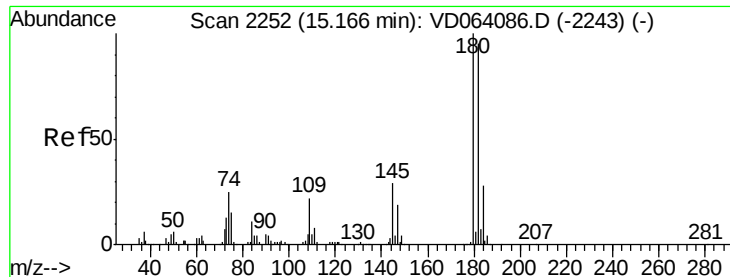


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

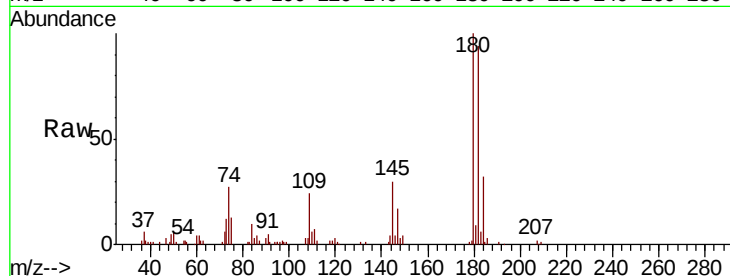




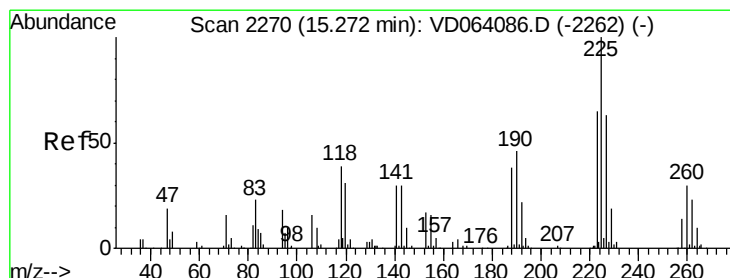
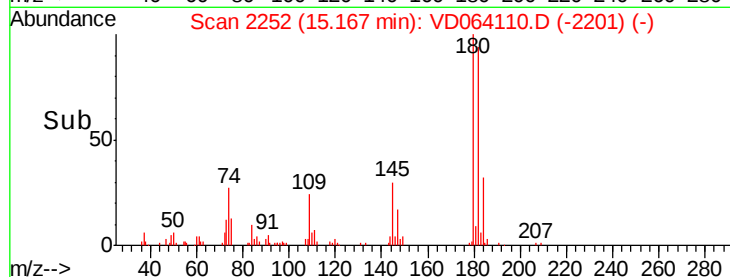
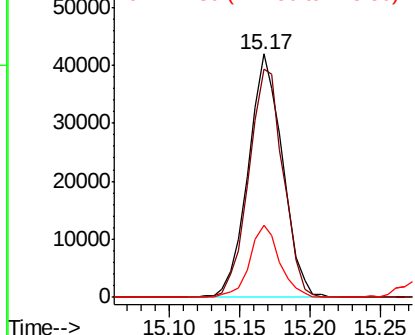
#93
 1,2,4-Trichlorobenzene
 Concen: 20.952 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 71712
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.9 140.7
 145 26.0 14.2 42.6

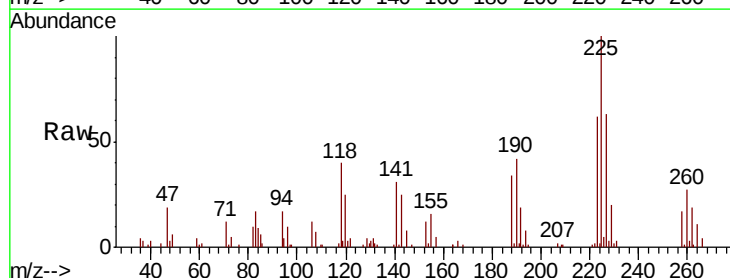


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

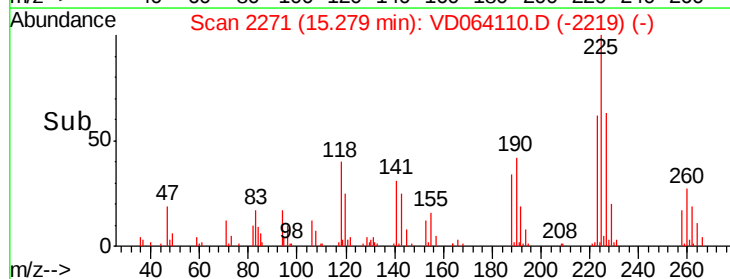
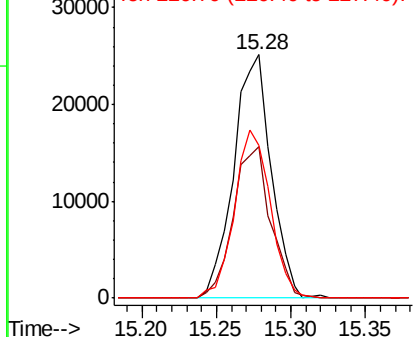


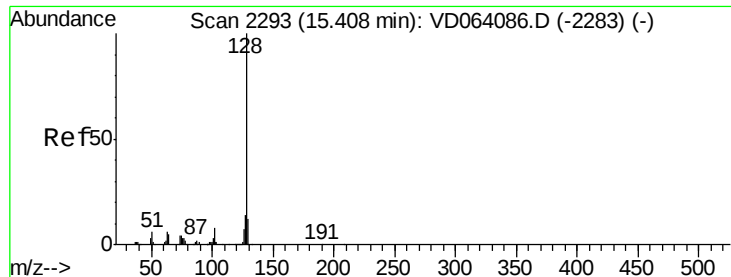
#94
 Hexachlorobutadiene
 Concen: 21.940 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064110.D
 Acq: 30 Oct 2019 12:56

Tgt Ion:225 Resp: 43888
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.8 92.3
 227 66.3 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.014 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

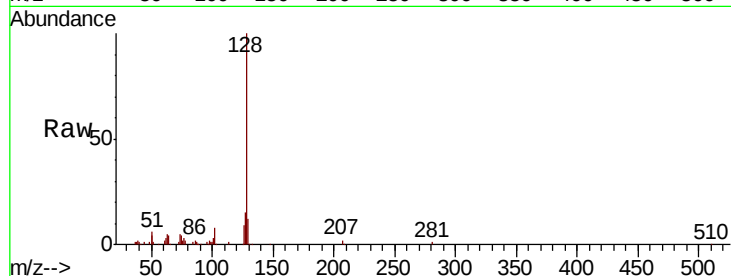
Tot Ion:128 Resp: 111715

Ion Ratio Lower Upper

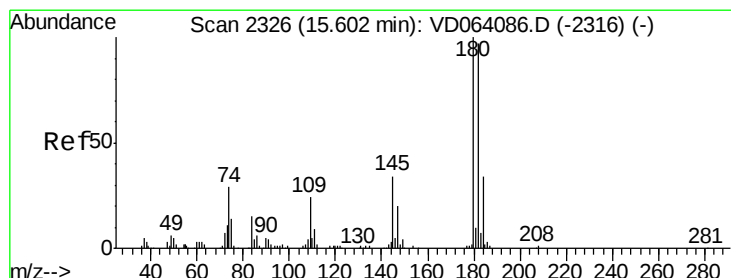
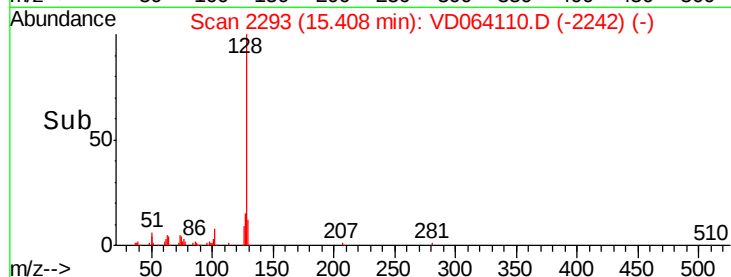
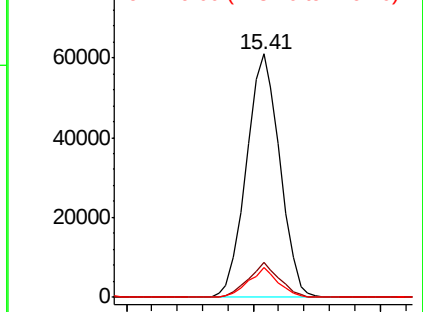
128 100

127 13.3 10.9 16.3

129 10.7 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: 19.700 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064110.D

Acq: 30 Oct 2019 12:56

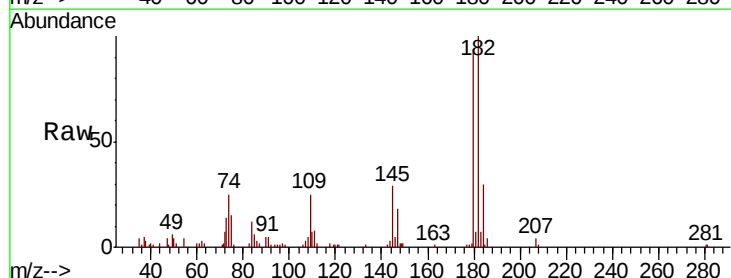
Tgt Ion:180 Resp: 58404

Ion Ratio Lower Upper

180 100

182 98.8 48.4 145.0

145 33.3 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

