

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064108.D
 Acq On : 30 Oct 2019 11:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:01:44 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	244349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	340930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193537	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	99923	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	7.92	113	117653	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	10.34	98	471960	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.64	95	156623	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	130971	52.491	ug/l	94
3) Chloromethane	2.21	50	197746	47.501	ug/l	98
4) Vinyl Chloride	2.35	62	227124	50.310	ug/l	99
5) Bromomethane	2.77	94	150760	51.242	ug/l	95
6) Chloroethane	2.93	64	144106	51.393	ug/l	89
7) Trichlorofluoromethane	3.27	101	318167	51.196	ug/l	97
8) Diethyl Ether	3.70	74	51971	48.111	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	116335	51.944	ug/l	98
10) Methyl Iodide	4.30	142	143876	51.852	ug/l	99
11) Tert butyl alcohol	5.24	59	28765	257.063	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	107662	50.793	ug/l	85
13) Acrolein	3.93	56	29727	239.908	ug/l	89
14) Allyl chloride	4.72	41	129009	52.002	ug/l	98
15) Acrylonitrile	5.43	53	93575	234.510	ug/l	98
16) Acetone	4.17	43	110201	298.038	ug/l	99
17) Carbon Disulfide	4.40	76	330664	50.765	ug/l	98
18) Methyl Acetate	4.73	43	46962	47.748	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	214233	49.809	ug/l	100
20) Methylene Chloride	4.96	84	119265	50.537	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	121008	50.857	ug/l	94
22) Diisopropyl ether	6.37	45	277524	50.511	ug/l	99
23) Vinyl Acetate	6.31	43	777256	258.080	ug/l	97
24) 1,1-Dichloroethane	6.27	63	183187	49.374	ug/l	99
25) 2-Butanone	7.22	43	127472	249.372	ug/l	98
26) 2,2-Dichloropropane	7.21	77	175793	49.921	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	133625	50.189	ug/l	99
28) Bromochloromethane	7.55	49	70579	48.856	ug/l	94
29) Tetrahydrofuran	7.57	42	72782	243.965	ug/l	95
30) Chloroform	7.71	83	206769	48.703	ug/l	91
31) Cyclohexane	7.98	56	177415	49.083	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	203187	51.414	ug/l	98
36) 1,1-Dichloropropene	8.11	75	170156	52.178	ug/l	98
37) Ethyl Acetate	7.30	43	53855	53.653	ug/l #	94
38) Carbon Tetrachloride	8.10	117	184013	51.717	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221567	55.348	ug/l	97
40) Benzene	8.35	78	466345	52.441	ug/l	98
41) Methacrylonitrile	7.53	41	29891	51.602	ug/l	93
42) 1,2-Dichloroethane	8.43	62	120204	51.171	ug/l	99
43) Isopropyl Acetate	8.46	43	102681	50.618	ug/l	99
44) Trichloroethene	9.11	130	145459	53.967	ug/l	94
45) 1,2-Dichloropropane	9.39	63	108464	52.629	ug/l	98
46) Dibromomethane	9.48	93	62048	49.989	ug/l	99
47) Bromodichloromethane	9.67	83	165606	52.887	ug/l	97
48) Methyl methacrylate	9.46	41	52776	56.259	ug/l	93
49) 1,4-Dioxane	9.47	88	16702	1175.545	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	279032	252.667	ug/l	97
52) Toluene	10.41	92	333450	53.505	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	155509	53.202	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	179904	52.314	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	93052	52.877	ug/l	96
56) Ethyl methacrylate	10.67	69	106299	49.716	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147493	50.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	210773	273.385	ug/l	100
59) 2-Hexanone	10.99	43	213106	246.308	ug/l	98
60) Dibromochloromethane	11.14	129	123867	51.859	ug/l	98
61) 1,2-Dibromoethane	11.25	107	89524	50.864	ug/l	96
64) Tetrachloroethene	10.88	164	134556	54.937	ug/l	94
65) Chlorobenzene	11.67	112	376498	53.446	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	138222	52.439	ug/l	99
67) Ethyl Benzene	11.75	91	684420	54.624	ug/l	100
68) m/p-Xylenes	11.86	106	551957	109.521	ug/l	99
69) o-Xylene	12.18	106	255378	55.524	ug/l	99
70) Styrene	12.20	104	431722	54.424	ug/l	98
71) Bromoform	12.36	173	74900	53.206	ug/l #	100
73) Isopropylbenzene	12.48	105	710193	52.807	ug/l	99
74) N-amyl acetate	12.29	43	113854	50.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	100116	47.228	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	130595	100.422	ug/l #	100
77) Bromobenzene	12.77	156	166558	51.294	ug/l	98
78) n-propylbenzene	12.83	91	848232	53.820	ug/l	99
79) 2-Chlorotoluene	12.91	91	438584	51.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	603706	53.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32231	50.616	ug/l	95
82) 4-Chlorotoluene	13.01	91	477017	52.841	ug/l	99
83) tert-Butylbenzene	13.23	119	549093	54.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	622553	55.059	ug/l	98
85) sec-Butylbenzene	13.41	105	770841	55.523	ug/l	99
86) p-Isopropyltoluene	13.52	119	730369	55.991	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	346993	53.324	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	337943	52.683	ug/l	99
89) n-Butylbenzene	13.85	91	672888	55.927	ug/l	97
90) Hexachloroethane	14.11	117	129356	52.967	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	292754	52.276	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16207	52.349	ug/l	86

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

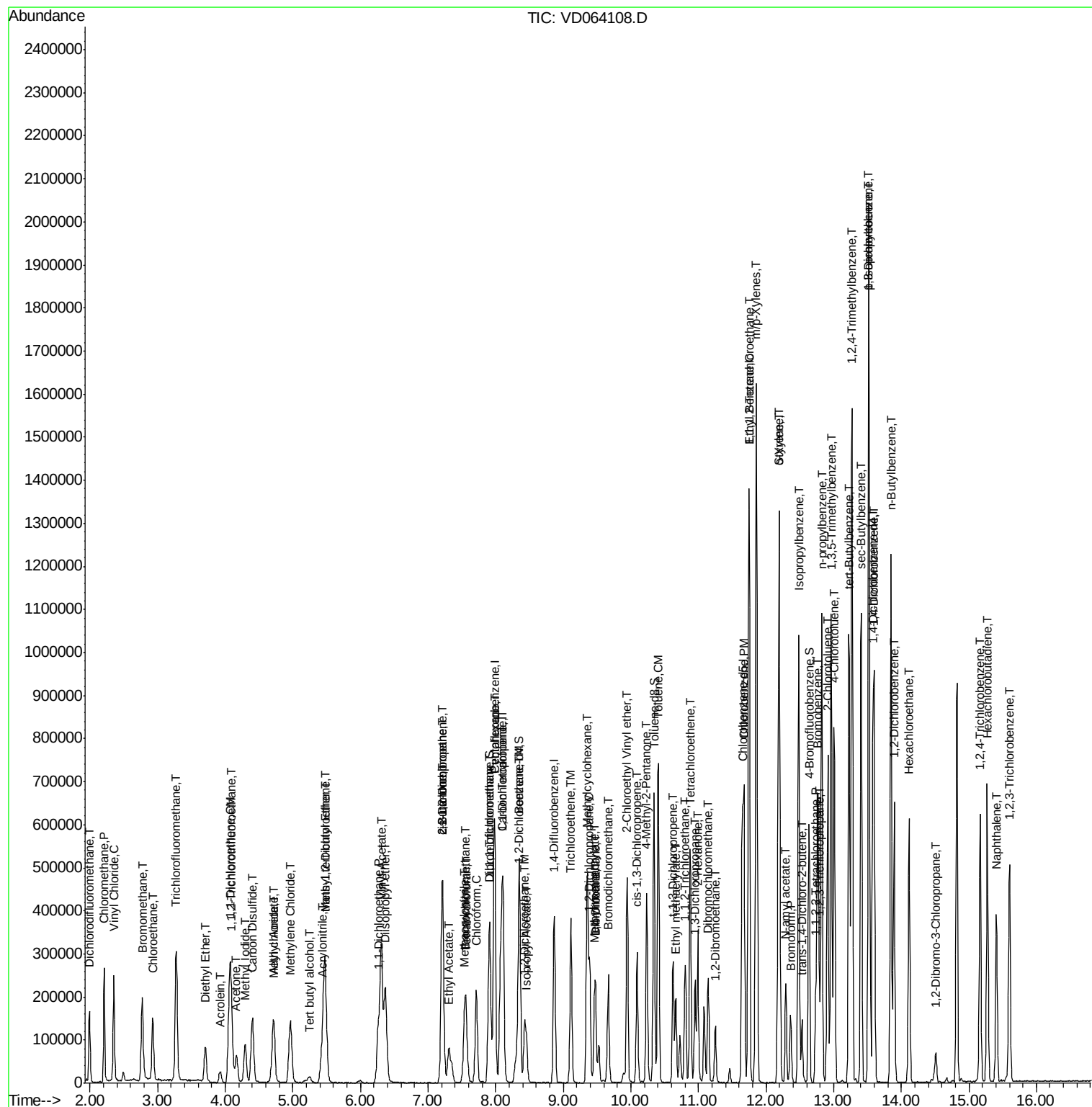
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213045	52.924	ug/l	100
94) Hexachlorobutadiene	15.27	225	126960	53.963	ug/l	96
95) Naphthalene	15.41	128	350271	53.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185244	53.127	ug/l	96

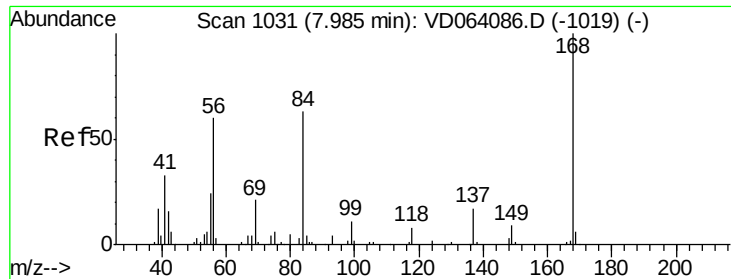
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

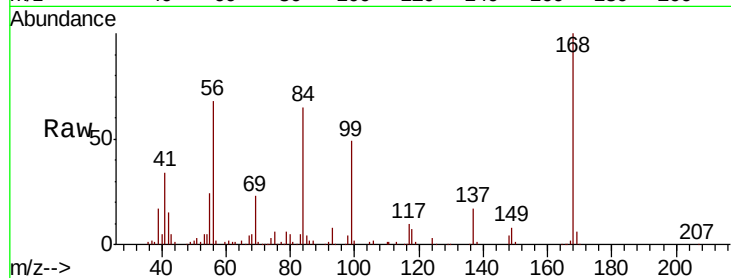
ClientSampleId :

Tot Ion:168 Resp: 244349

Ion Ratio Lower Upper

168 100

99 48.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

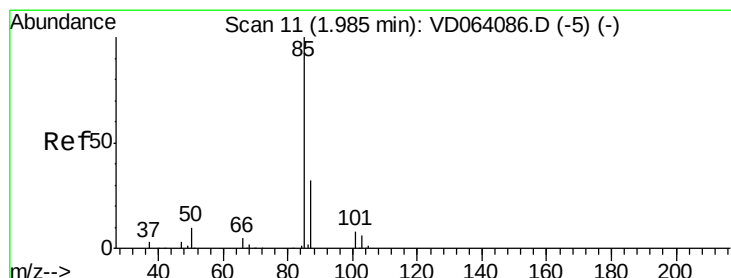
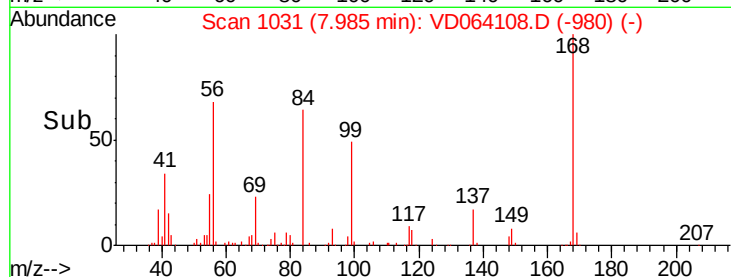
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.491 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064108.D

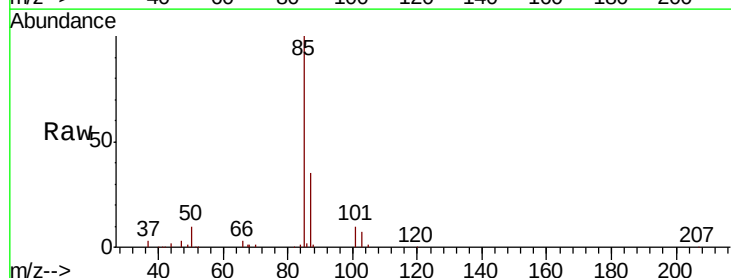
Acq: 30 Oct 2019 11:45

Tgt Ion: 85 Resp: 130971

Ion Ratio Lower Upper

85 100

87 35.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

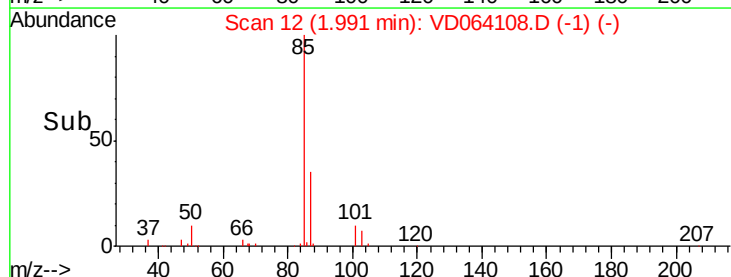
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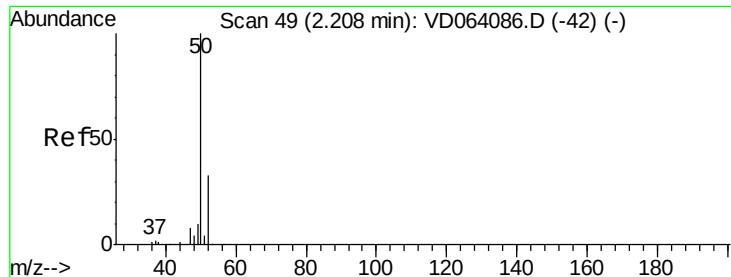
40000

20000

0

Time-->





#3

Chloromethane

Concen: 47.501 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

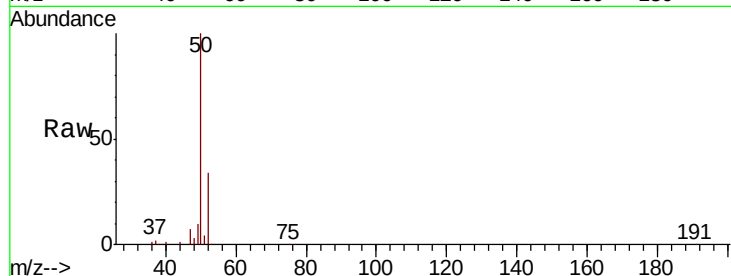
ClientSampleId :

Tot Ion: 50 Resp: 197746

Ion Ratio Lower Upper

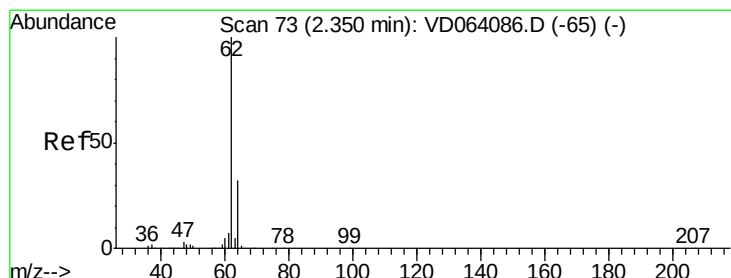
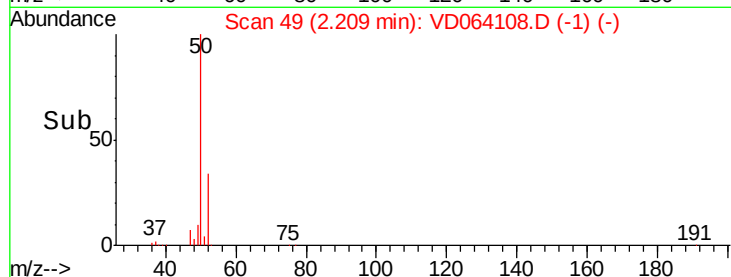
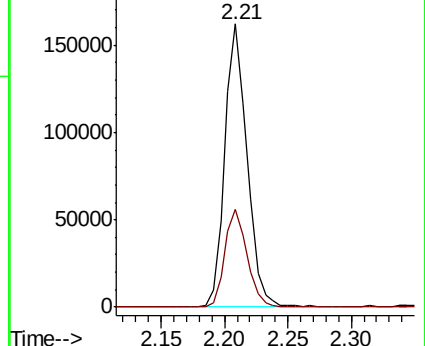
50 100

52 34.4 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: 50.310 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064108.D

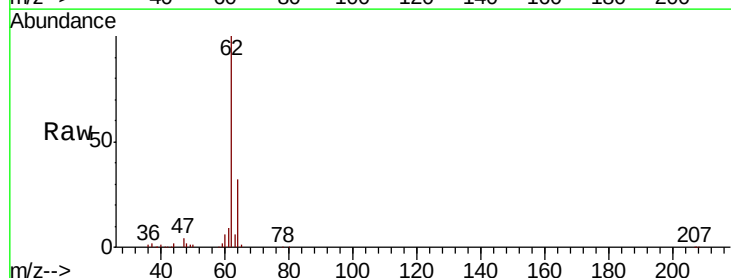
Acq: 30 Oct 2019 11:45

Tgt Ion: 62 Resp: 227124

Ion Ratio Lower Upper

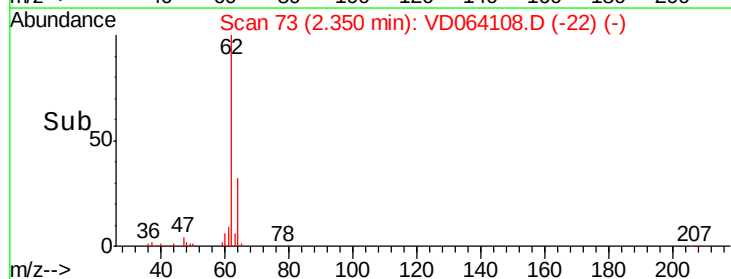
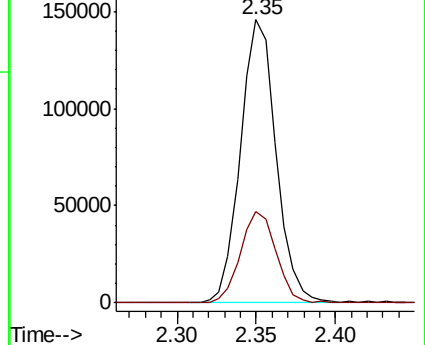
62 100

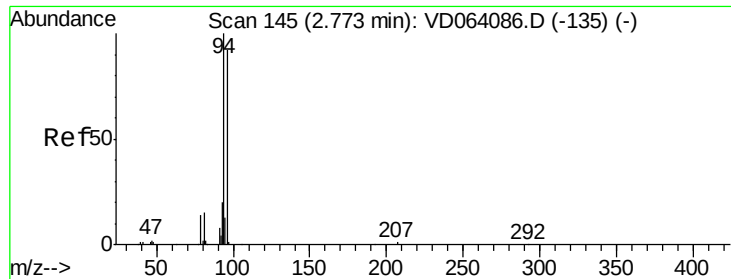
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.242 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

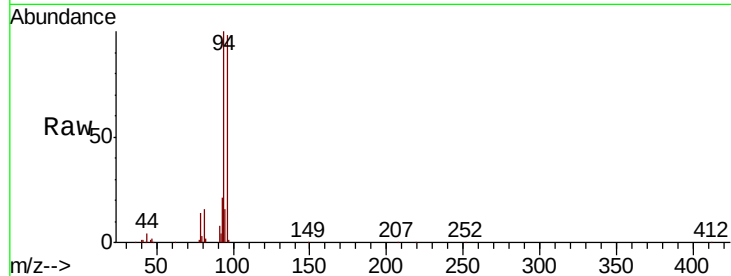
Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

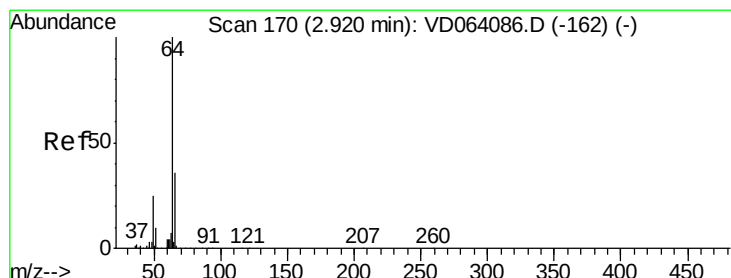
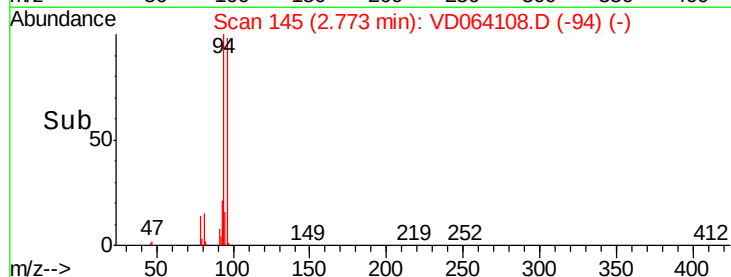
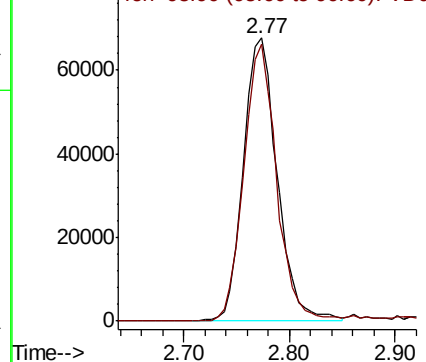
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 150760

Ion	Ratio	Lower	Upper
94	100		
96	97.6	73.9	110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.393 ug/l

RT: 2.93 min Scan# 171

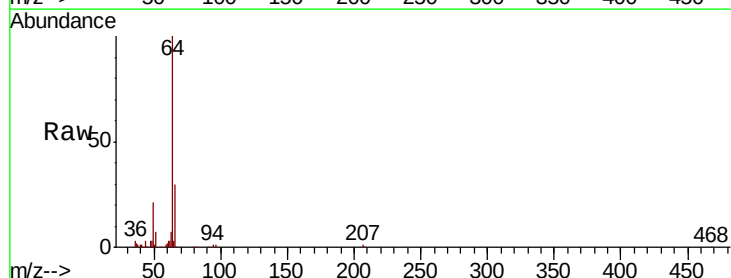
Delta R.T. 0.01 min

Lab File: VD064108.D

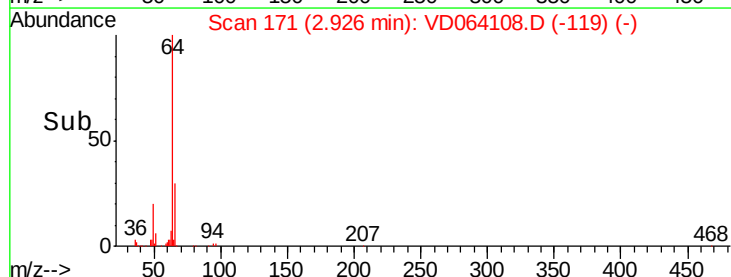
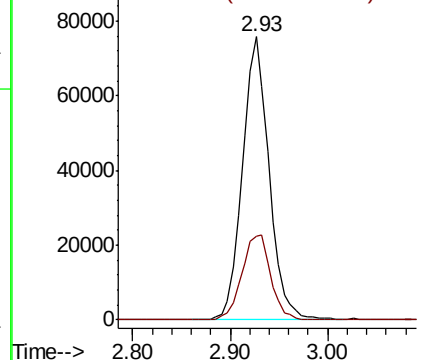
Acq: 30 Oct 2019 11:45

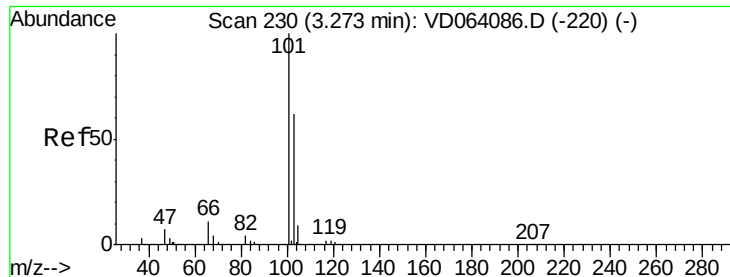
Tgt Ion: 64 Resp: 144106

Ion	Ratio	Lower	Upper
64	100		
66	29.6	28.7	43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



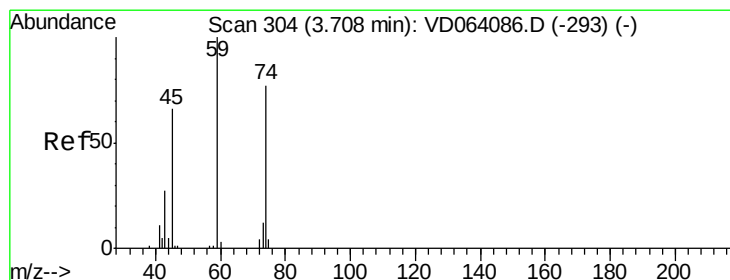
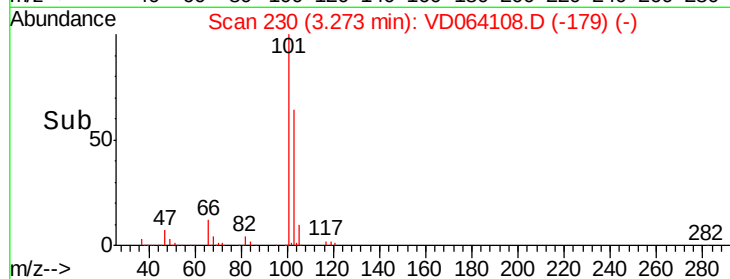
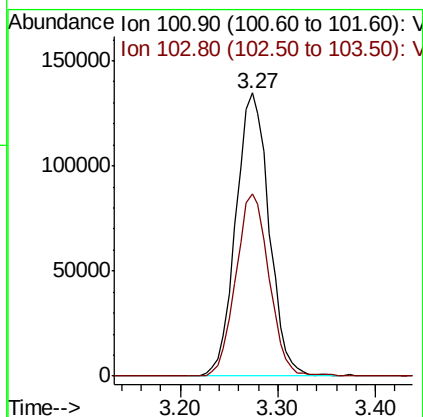
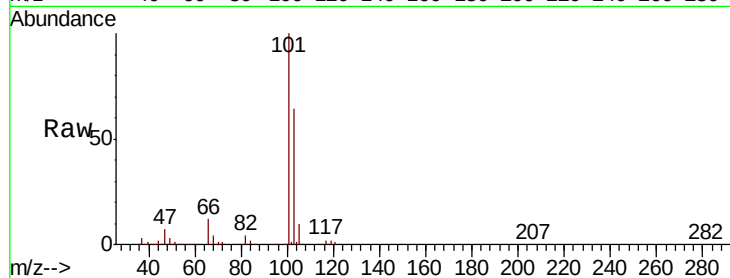


#7

Trichlorofluoromethane
 Concen: 51.196 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

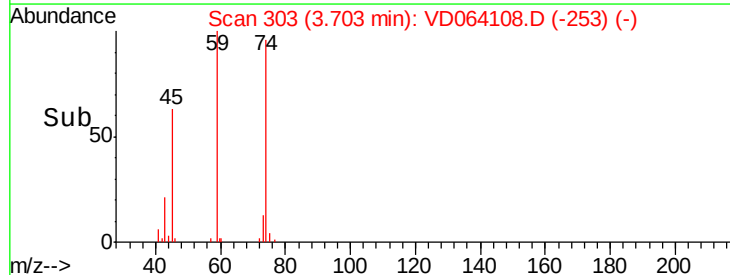
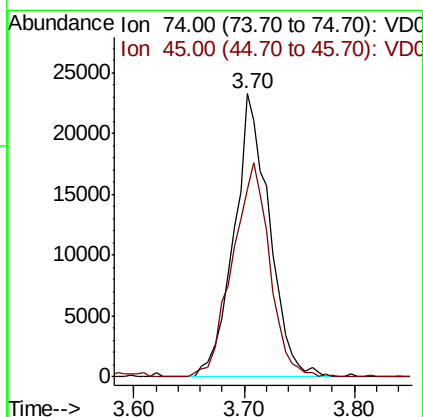
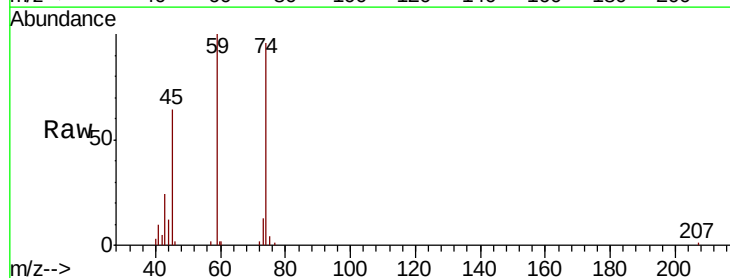
Tot Ion:101 Resp: 318167
 Ion Ratio Lower Upper
 101 100
 103 64.5 49.6 74.4

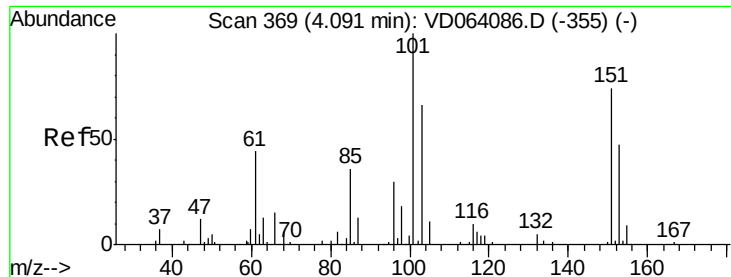


#8

Diethyl Ether
 Concen: 48.111 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 74 Resp: 51971
 Ion Ratio Lower Upper
 74 100
 45 80.1 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.944 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

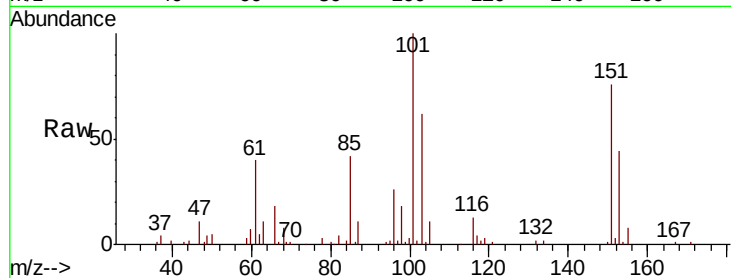
Tot Ion:101 Resp: 116335

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

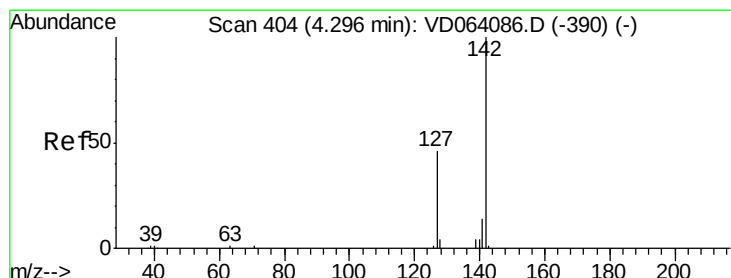
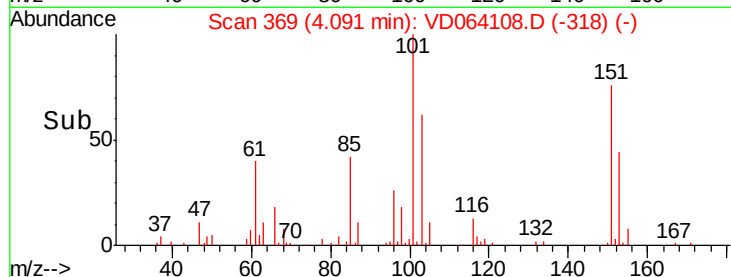
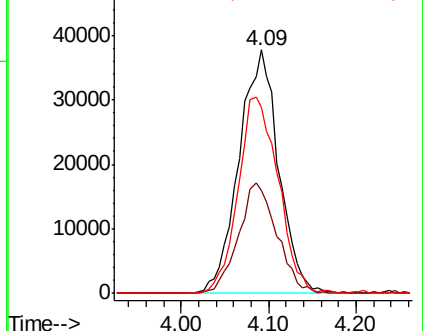
151 80.9 67.0 100.6



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: 51.852 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

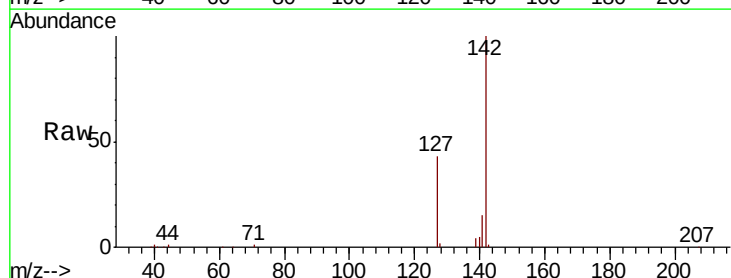
Tgt Ion:142 Resp: 143876

Ion Ratio Lower Upper

142 100

127 45.1 35.1 52.7

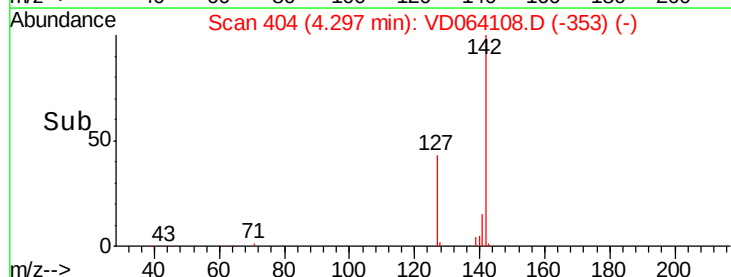
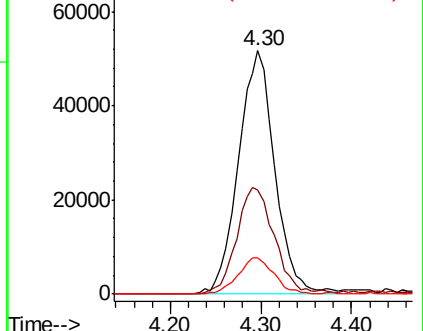
141 14.7 11.6 17.4

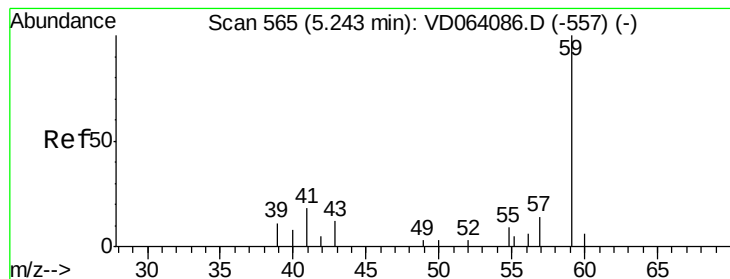


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 257.063 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

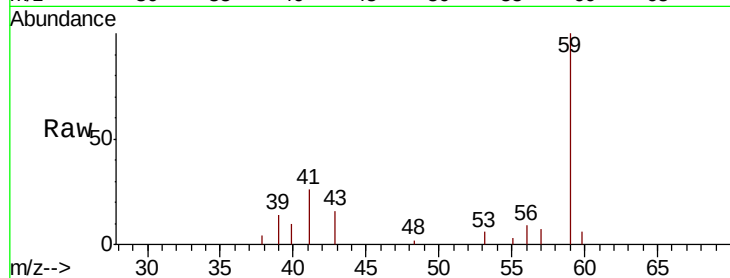
ClientSampleId :

Tot Ion: 59 Resp: 28765

Ion Ratio Lower Upper

59 100

57 5.4 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

8000

6000

4000

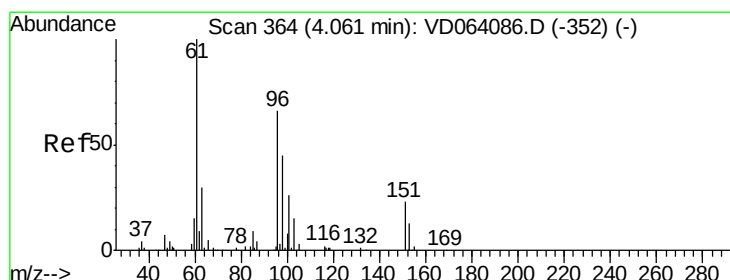
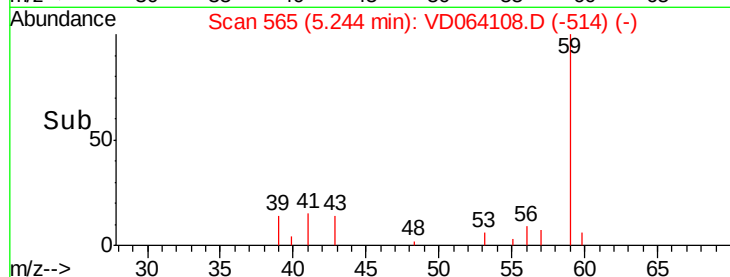
2000

0

Time-->

5.10 5.20 5.30 5.40

5.24



#12

1,1-Dichloroethene

Concen: 50.793 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

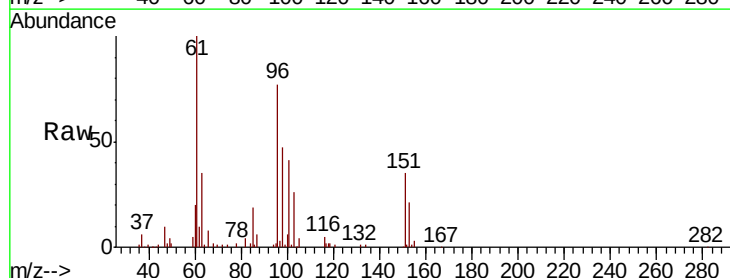
Tgt Ion: 96 Resp: 107662

Ion Ratio Lower Upper

96 100

61 130.3 121.8 182.6

98 61.3 55.4 83.0



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

80000

60000

40000

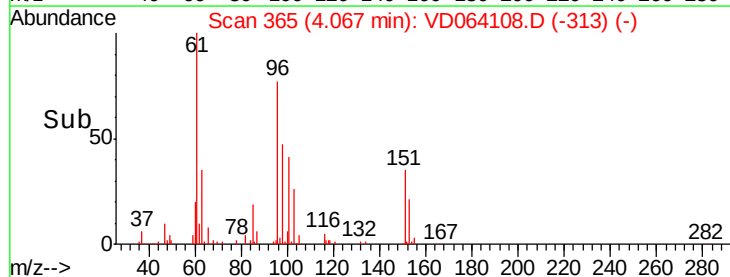
20000

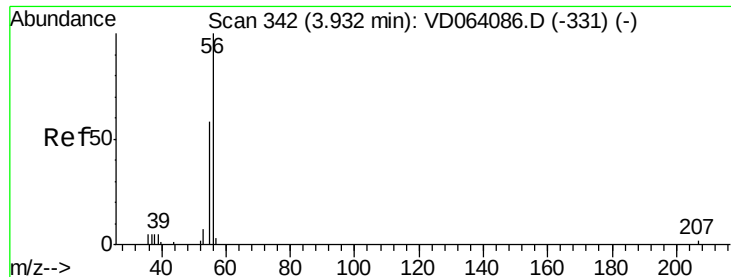
0

Time-->

4.00 4.10 4.20

4.07





#13

Acrolein

Concen: 239.908 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

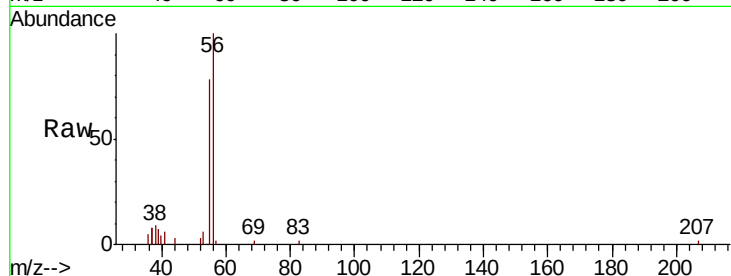
ClientSampleId :

Tot Ion: 56 Resp: 29727

Ion Ratio Lower Upper

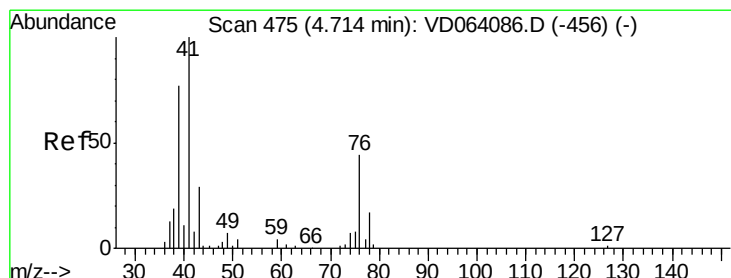
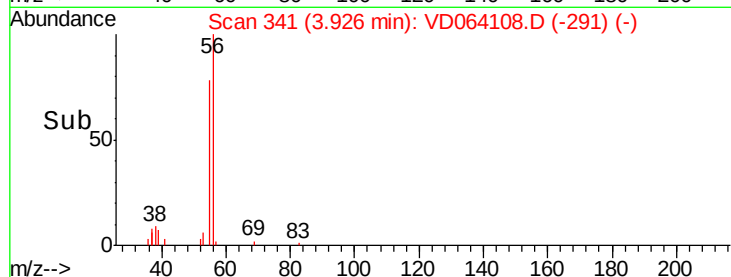
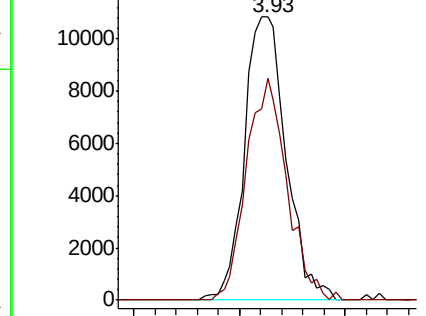
56 100

55 75.8 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.002 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

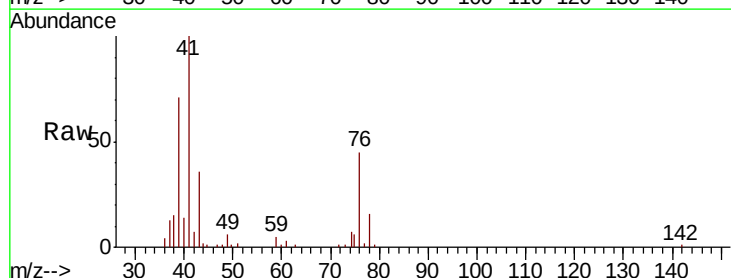
Tgt Ion: 41 Resp: 129009

Ion Ratio Lower Upper

41 100

39 75.0 61.5 92.3

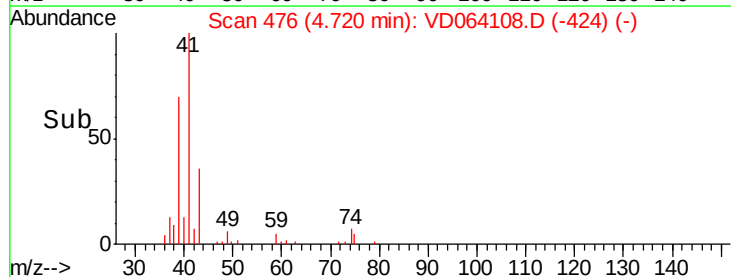
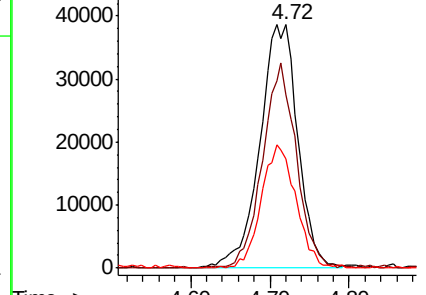
76 46.0 36.2 54.4

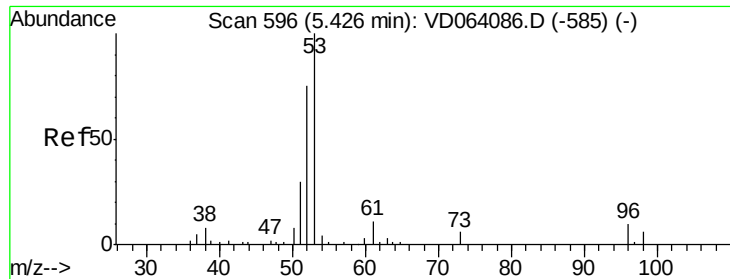


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 234.510 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

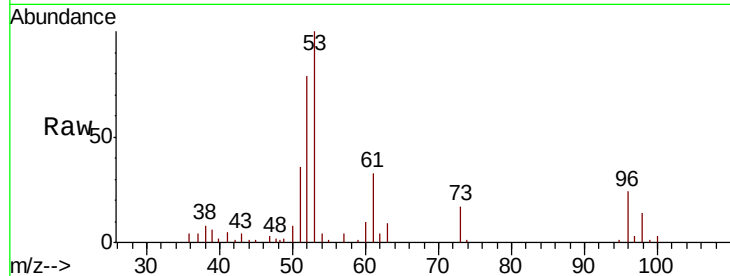
Tot Ion: 53 Resp: 93575

Ion Ratio Lower Upper

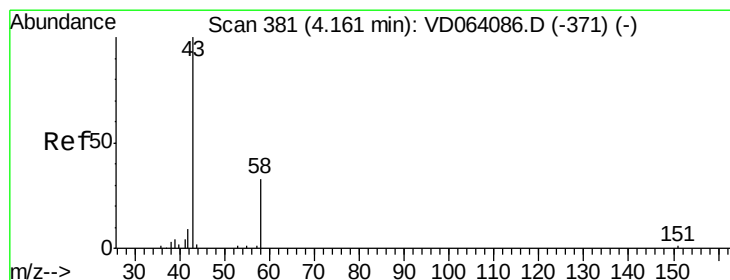
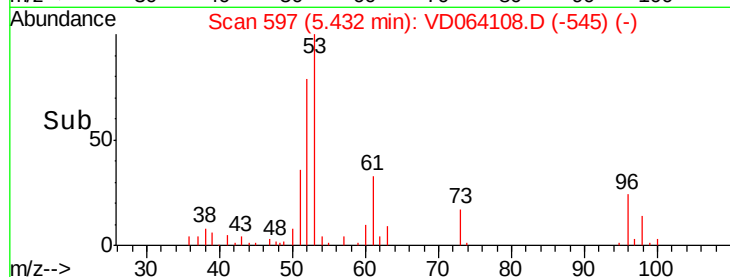
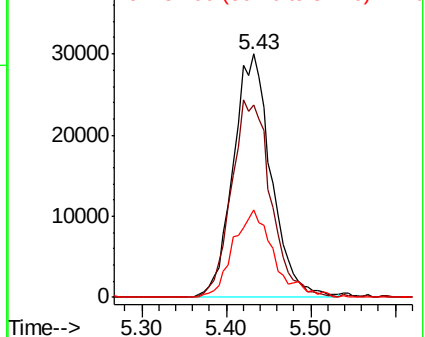
53 100

52 83.6 66.2 99.4

51 38.2 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: 298.038 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064108.D

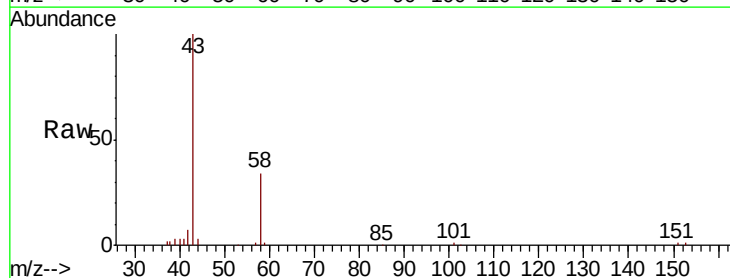
Acq: 30 Oct 2019 11:45

Tgt Ion: 43 Resp: 110201

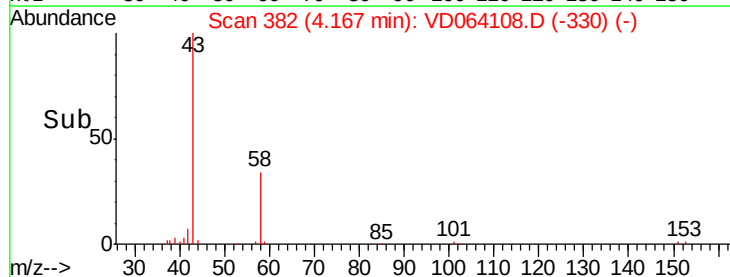
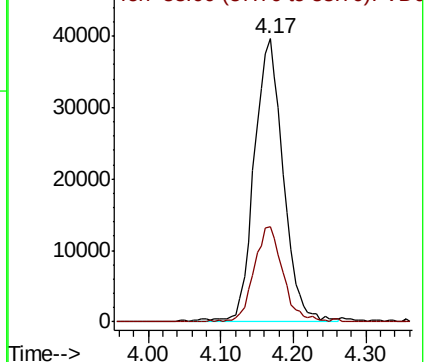
Ion Ratio Lower Upper

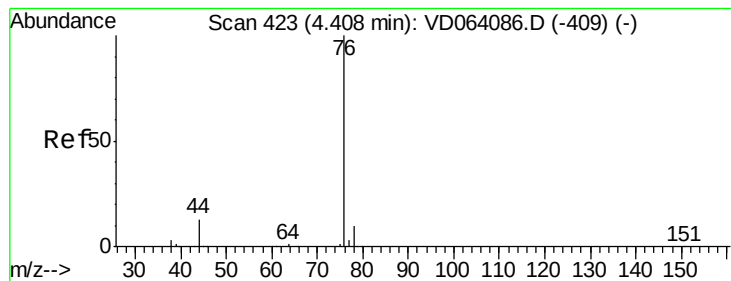
43 100

58 33.6 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: 50.765 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

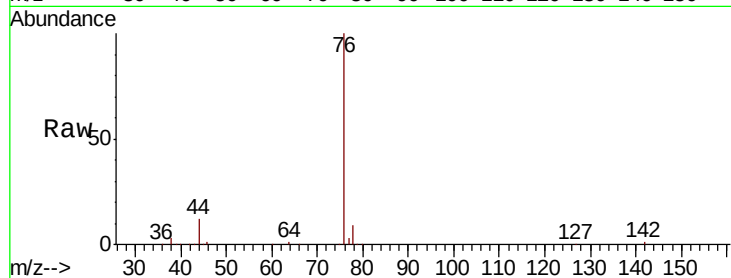
ClientSampleId :

Tot Ion: 76 Resp: 330664

Ion Ratio Lower Upper

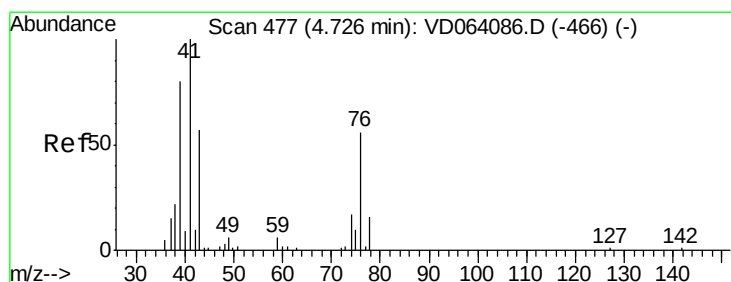
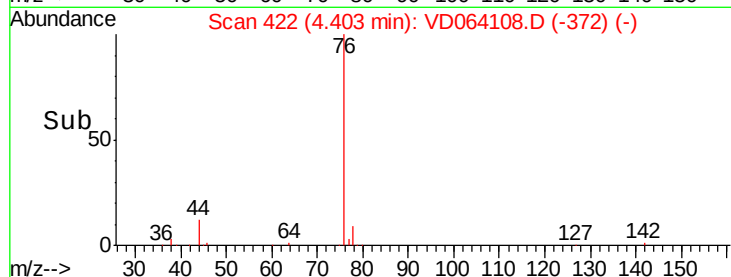
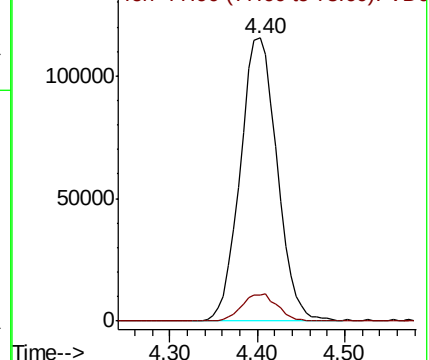
76 100

78 9.3 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: 47.748 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064108.D

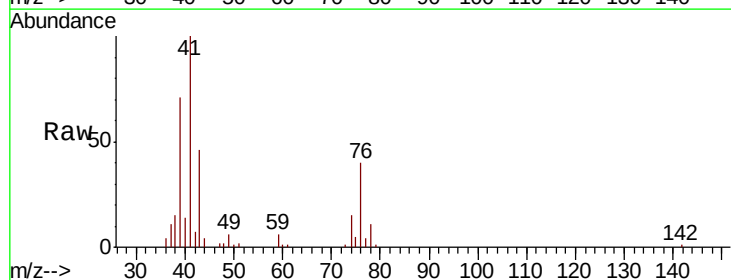
Acq: 30 Oct 2019 11:45

Tgt Ion: 43 Resp: 46962

Ion Ratio Lower Upper

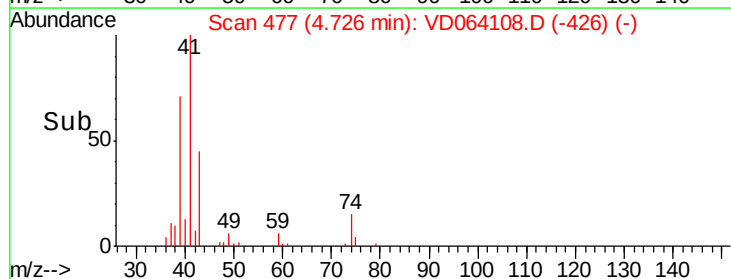
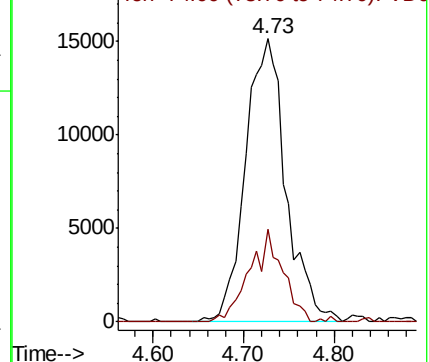
43 100

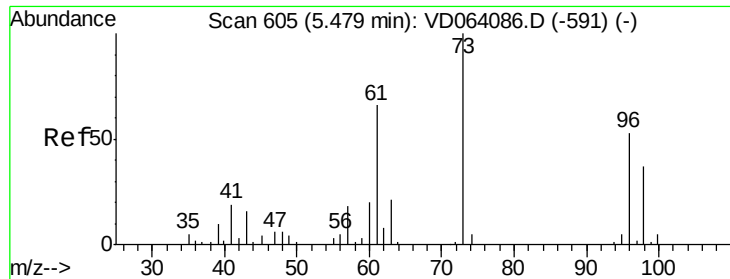
74 26.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

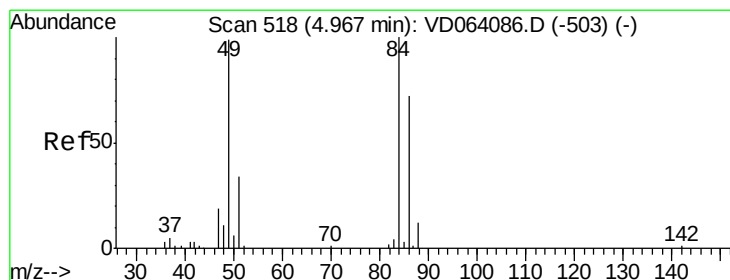
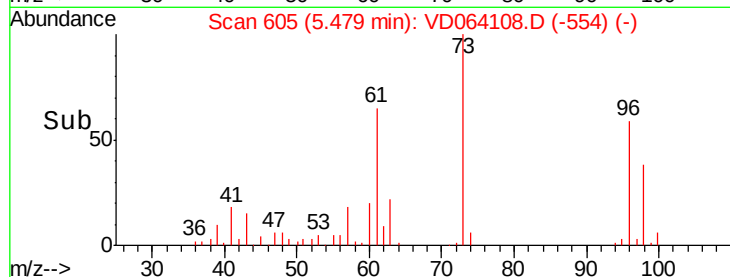
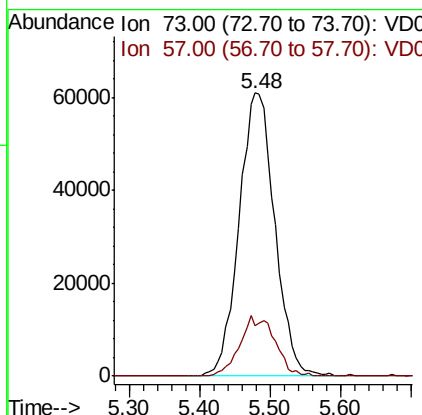
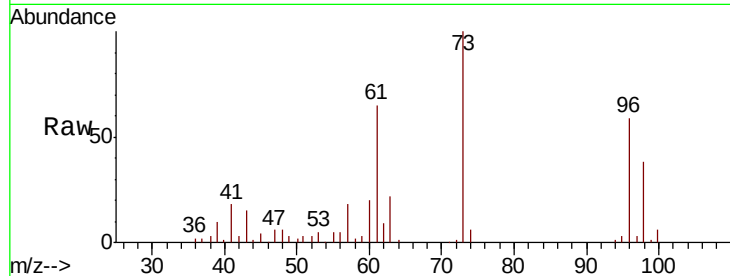




#19
Methyl tert-butyl Ether
Concen: 49.809 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

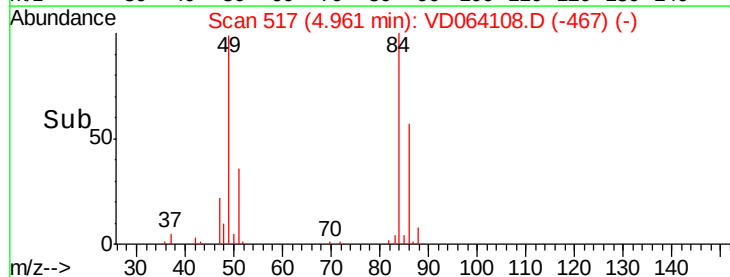
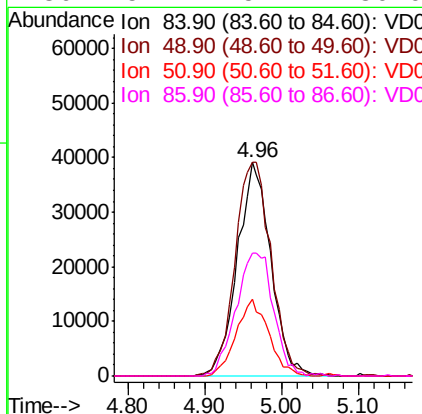
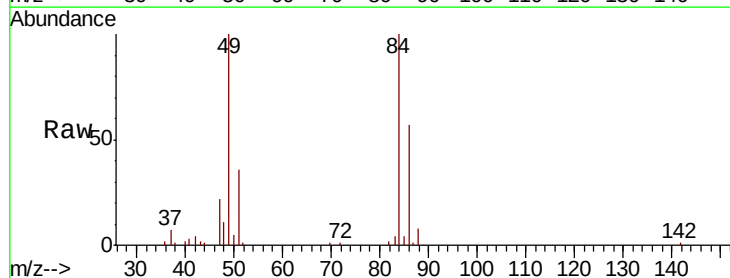
Instrument :
MSVOA_D
ClientSampleId :

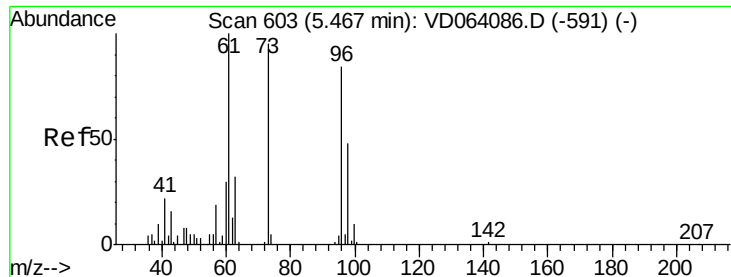
Tot Ion: 73 Resp: 214233
Ion Ratio Lower Upper
73 100
57 17.8 14.3 21.5



#20
Methylene Chloride
Concen: 50.537 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 84 Resp: 119265
Ion Ratio Lower Upper
84 100
49 99.9 79.4 119.0
51 35.8 27.4 41.2
86 57.4 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 50.857 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :

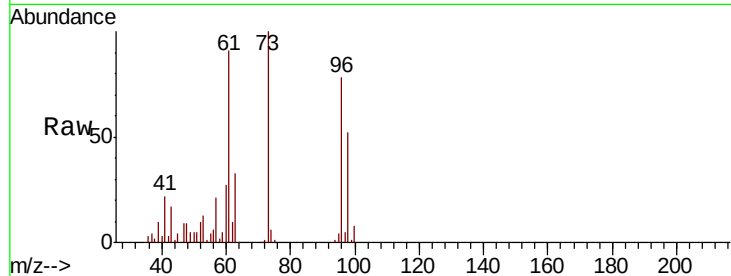
Tot Ion: 96 Resp: 121008

Ion Ratio Lower Upper

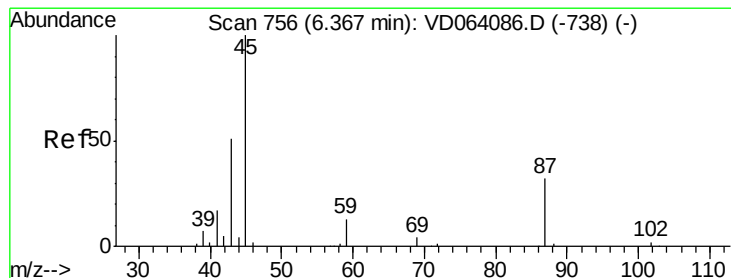
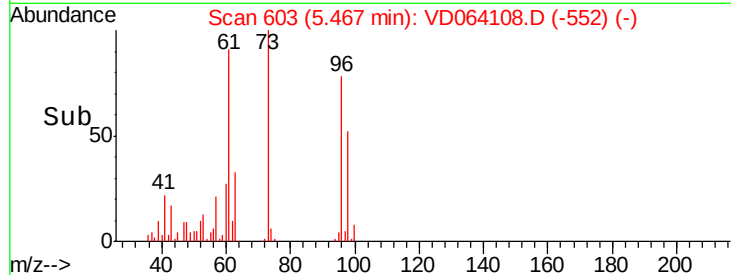
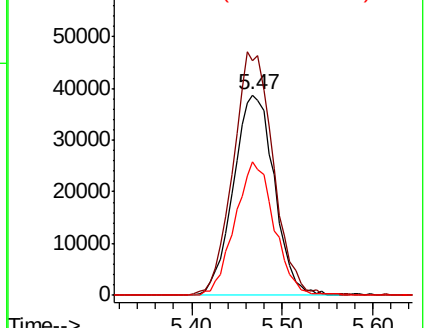
96 100

61 116.3 95.0 142.6

98 66.8 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: 50.511 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion: 45 Resp: 277524

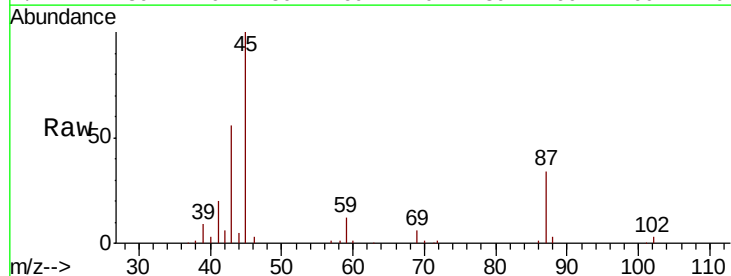
Ion Ratio Lower Upper

45 100

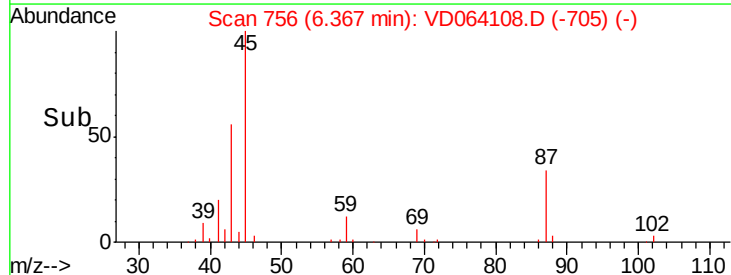
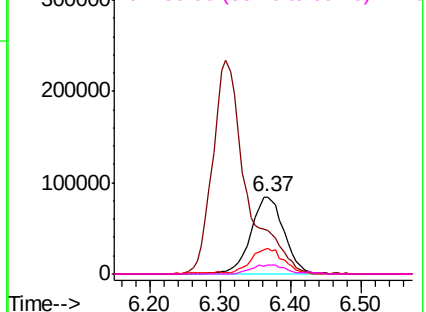
43 55.0 44.3 66.5

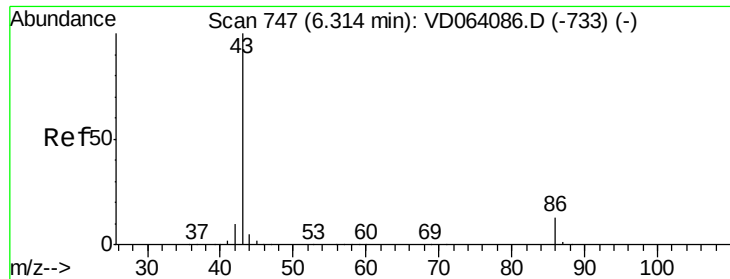
87 33.9 26.6 39.8

59 12.5 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: 258.080 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

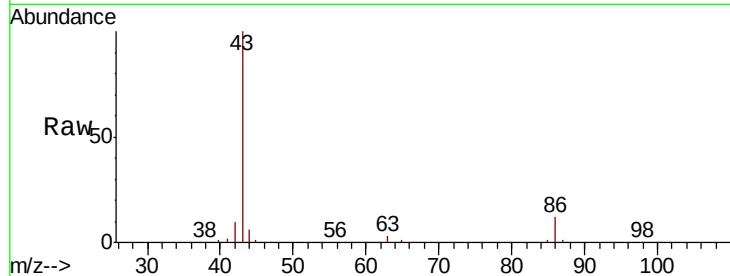
ClientSampleId :

Tot Ion: 43 Resp: 777256

Ion Ratio Lower Upper

43 100

86 12.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

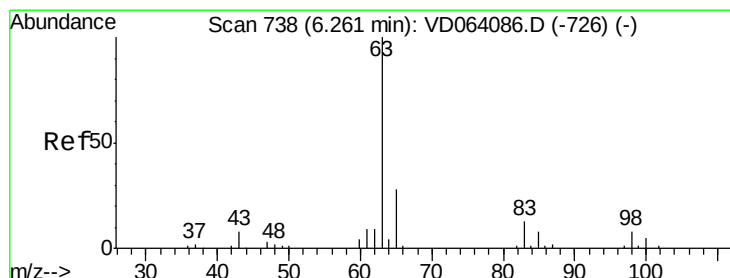
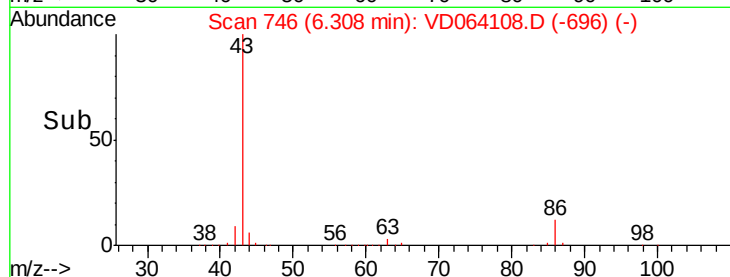
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.374 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

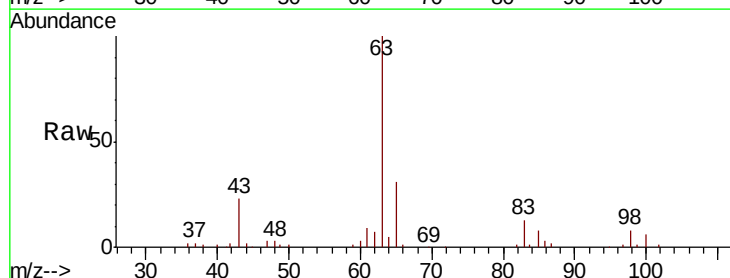
Tgt Ion: 63 Resp: 183187

Ion Ratio Lower Upper

63 100

98 7.5 4.0 11.9

100 5.6 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

6.27

80000

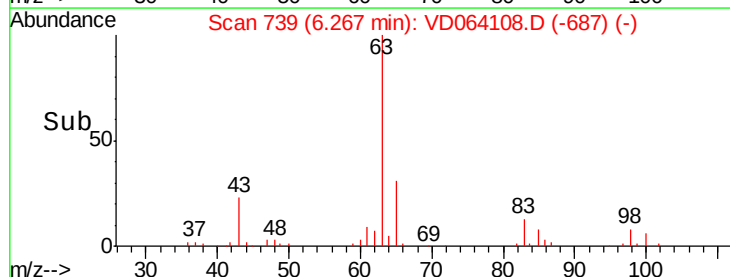
60000

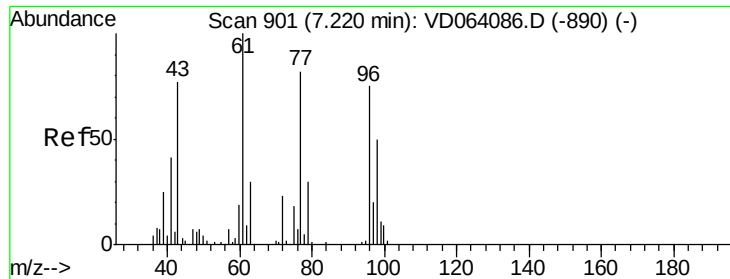
40000

20000

0

Time-->





#25

2-Butanone

Concen: 249.372 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

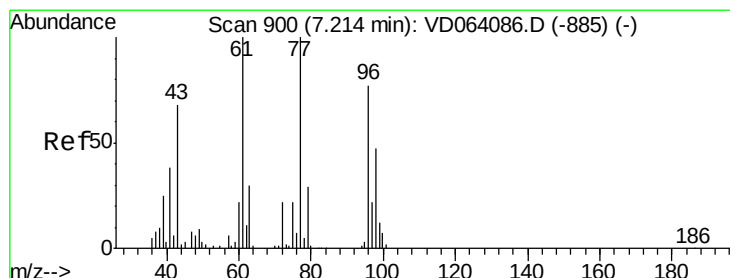
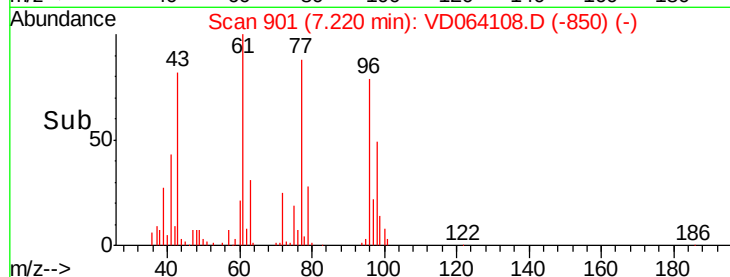
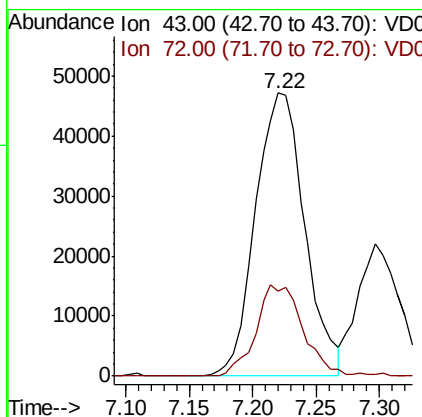
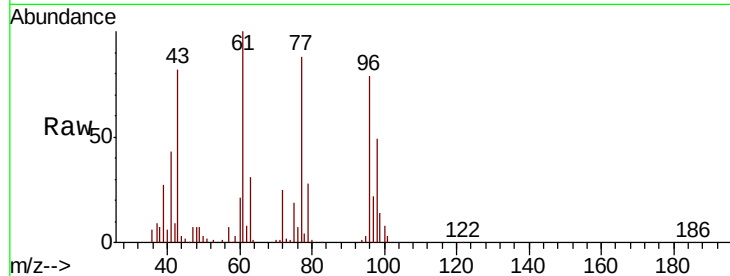
ClientSampleId :

Tot Ion: 43 Resp: 127472

Ion Ratio Lower Upper

43 100

72 30.2 23.4 35.0



#26

2,2-Dichloropropane

Concen: 49.921 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064108.D

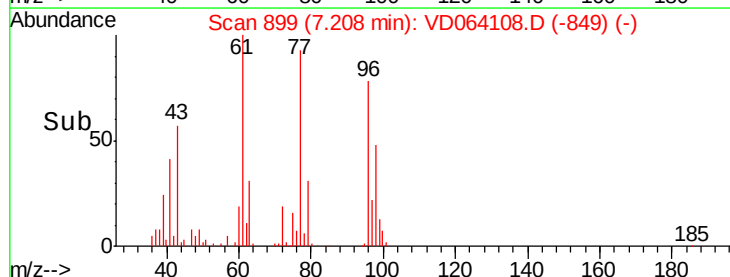
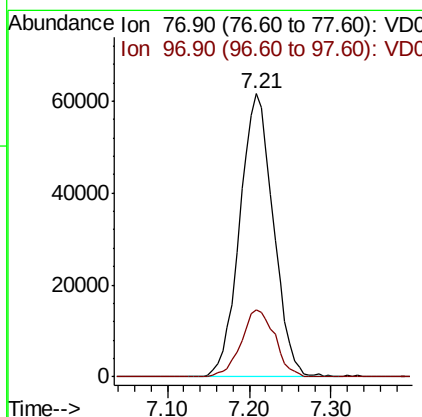
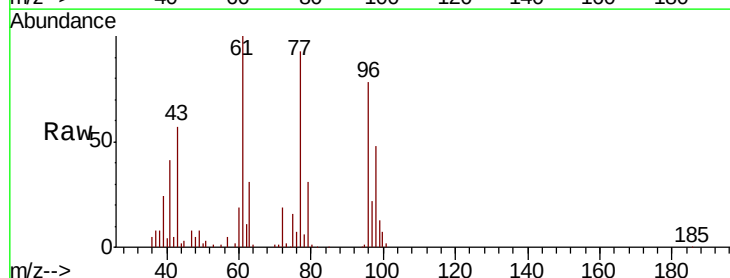
Acq: 30 Oct 2019 11:45

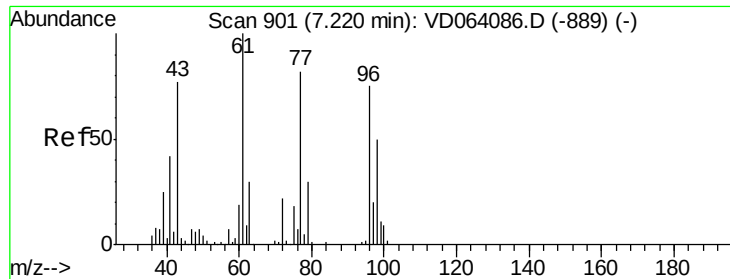
Tgt Ion: 77 Resp: 175793

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5



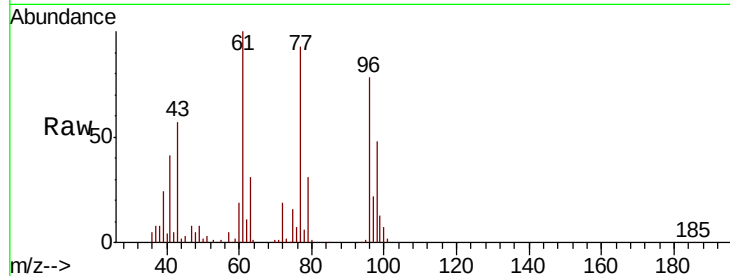


#27

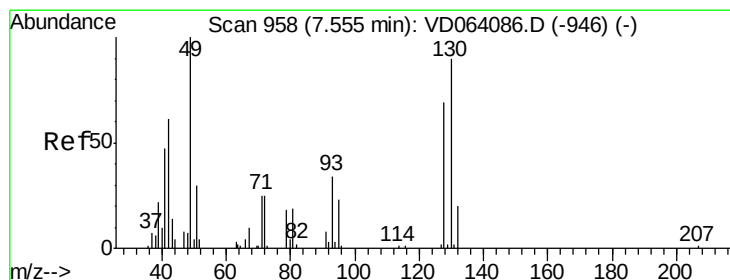
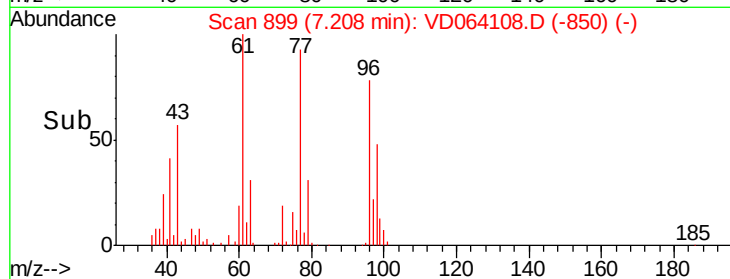
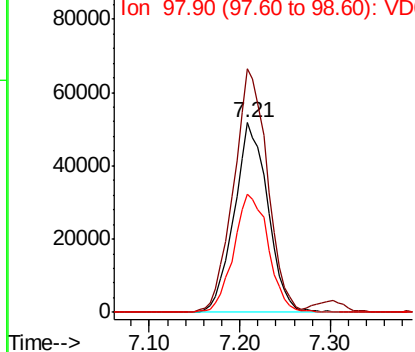
cis-1,2-Dichloroethene
 Concen: 50.189 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 133625
 Ion Ratio Lower Upper
 96 100
 61 128.6 0.0 258.0
 98 64.0 0.0 130.8



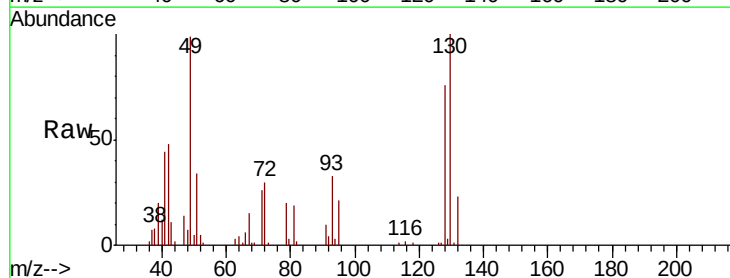
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



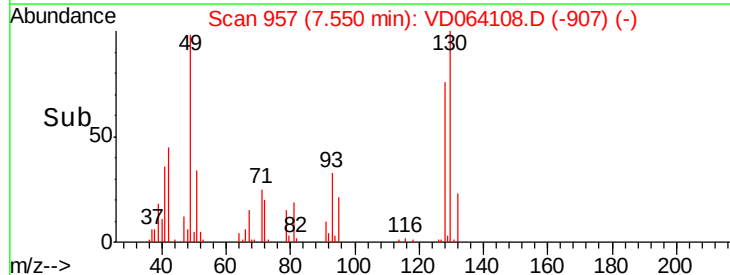
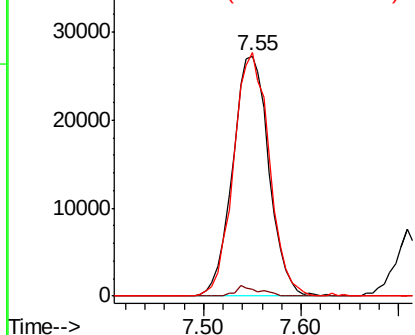
#28

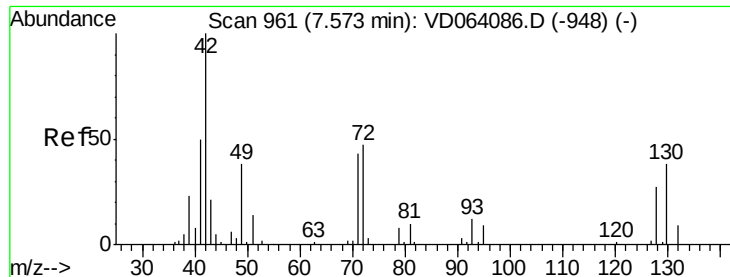
Bromochloromethane
 Concen: 48.856 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 49 Resp: 70579
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.4
 130 99.9 75.3 112.9



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





#29

Tetrahydrofuran

Concen: 243.965 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

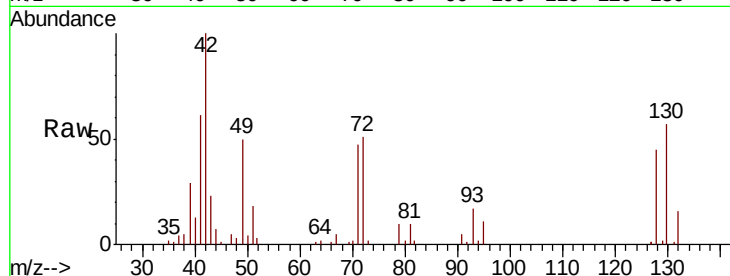
Tot Ion: 42 Resp: 72782

Ion Ratio Lower Upper

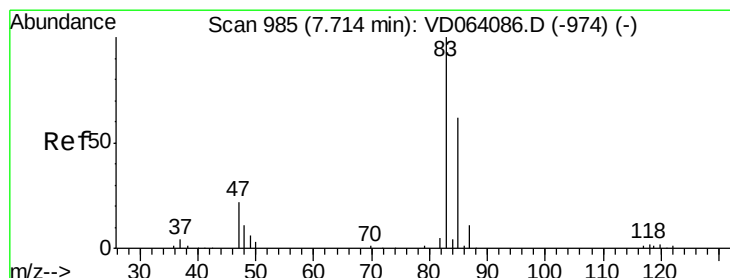
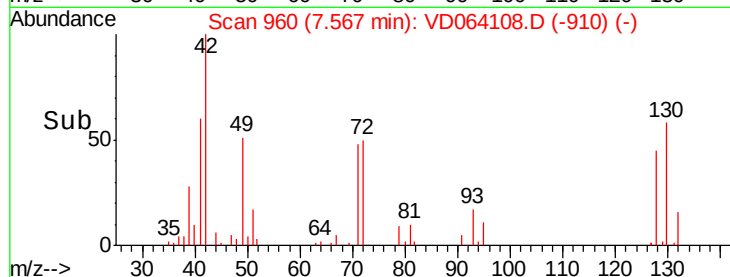
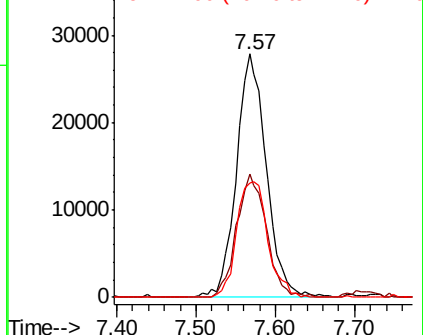
42 100

72 50.4 38.9 58.3

71 49.3 35.4 53.2



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



#30

Chloroform

Concen: 48.703 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064108.D

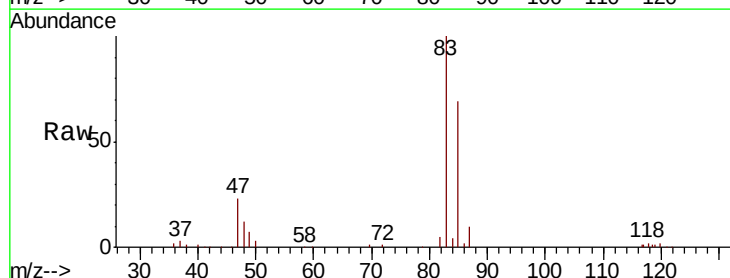
Acq: 30 Oct 2019 11:45

Tgt Ion: 83 Resp: 206769

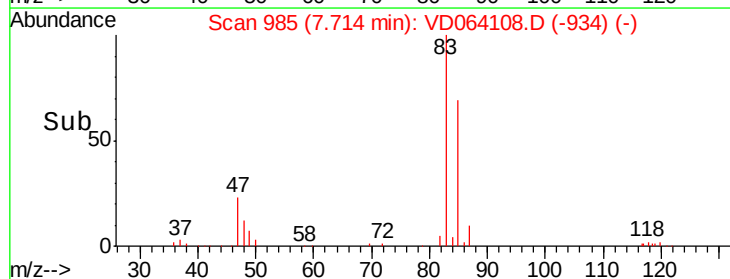
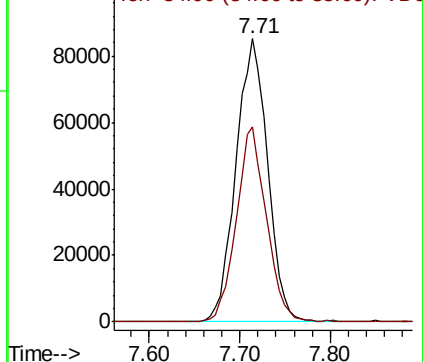
Ion Ratio Lower Upper

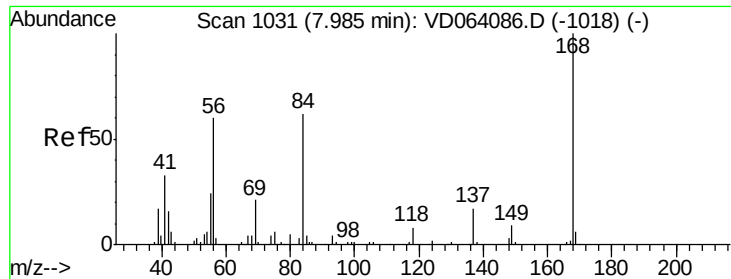
83 100

85 68.8 49.8 74.6



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

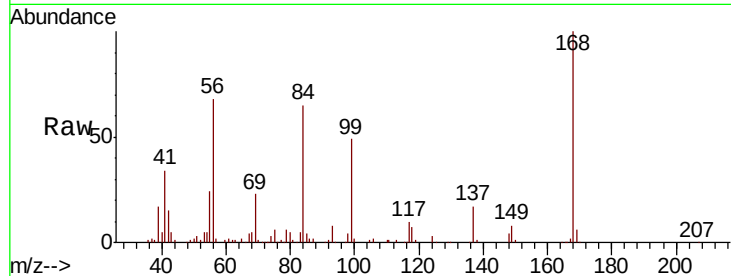




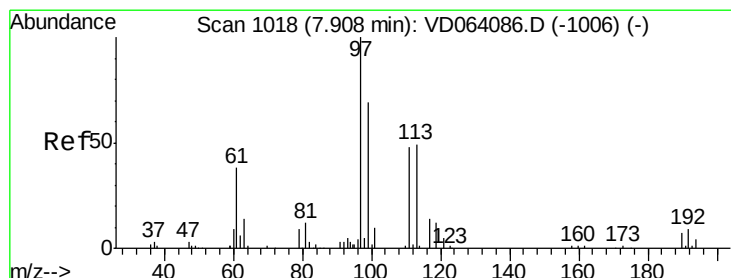
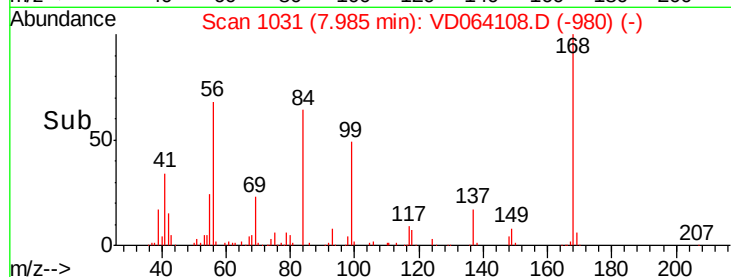
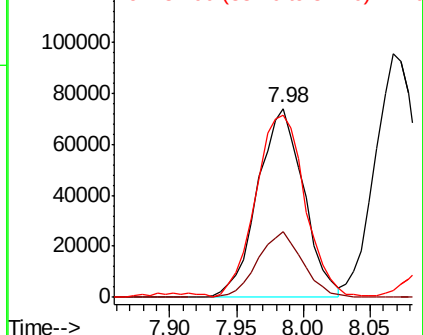
#31
Cyclohexane
Concen: 49.083 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 177415
Ion Ratio Lower Upper
56 100
69 34.7 27.7 41.5
84 94.8 83.1 124.7

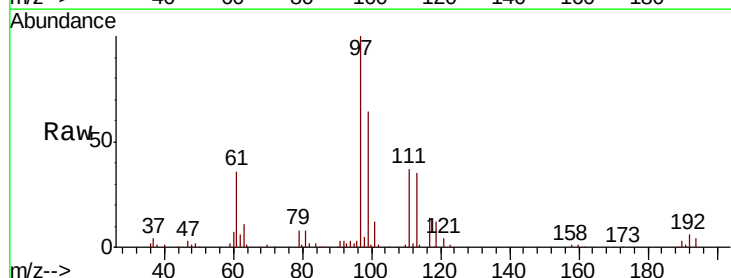


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

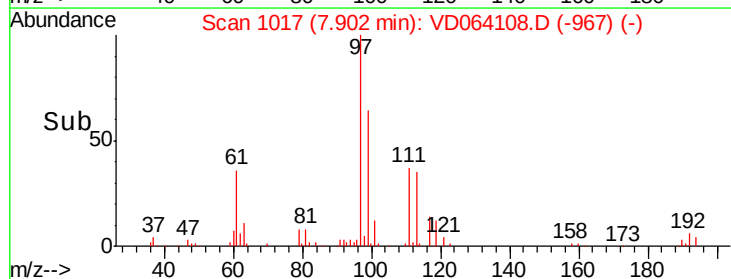
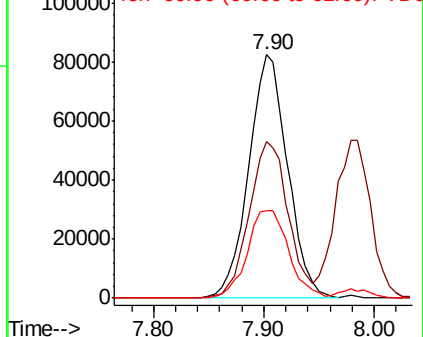


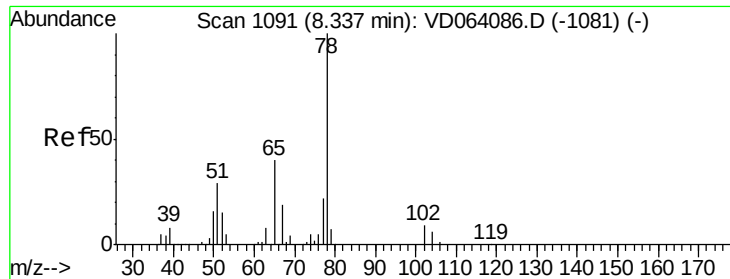
#32
1,1,1-Trichloroethane
Concen: 51.414 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 97 Resp: 203187
Ion Ratio Lower Upper
97 100
99 64.8 53.7 80.5
61 38.7 31.8 47.6



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

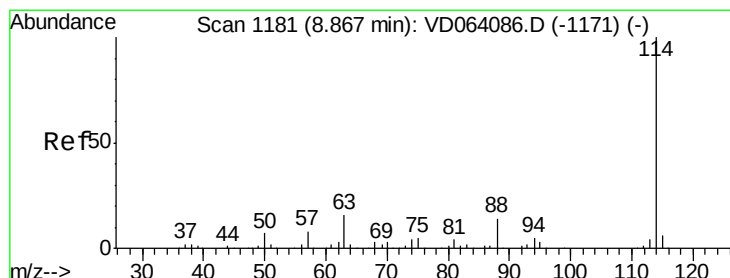
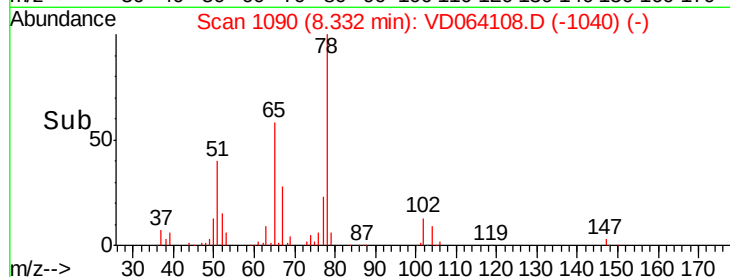
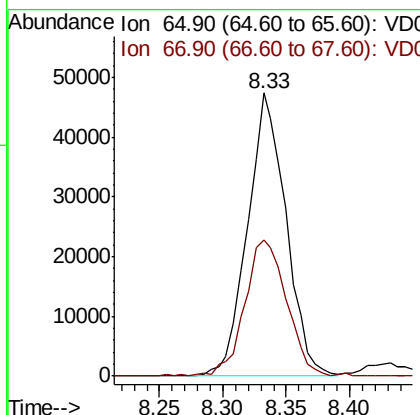
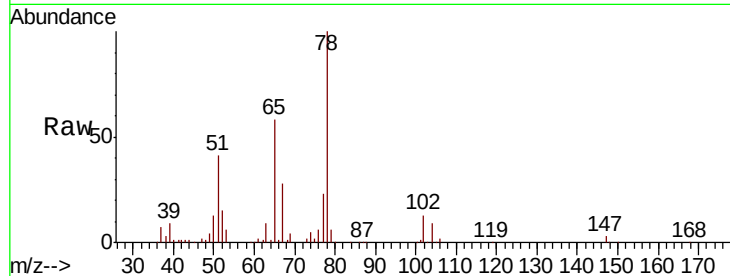




#33
 1,2-Dichloroethane-d4
 Concen: 51.419 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

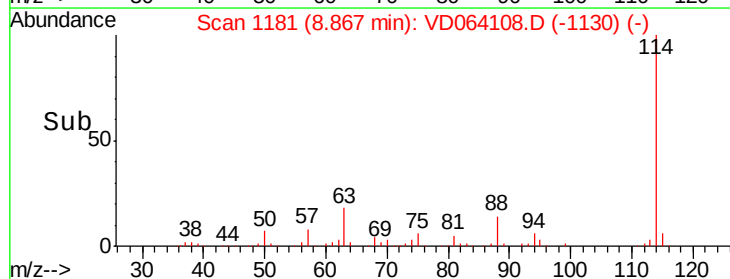
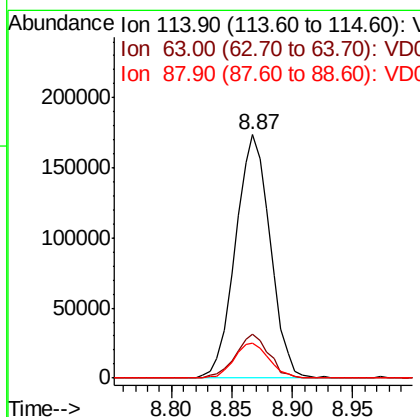
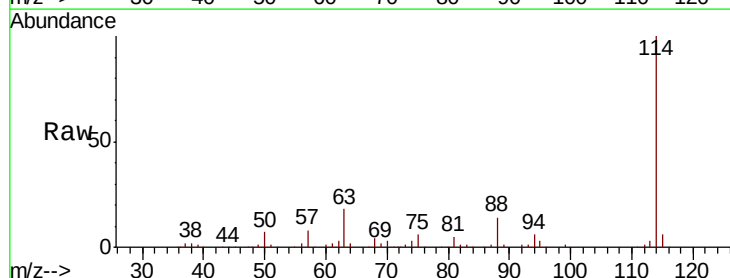
Instrument :
 MSVOA_D
 ClientSampled :

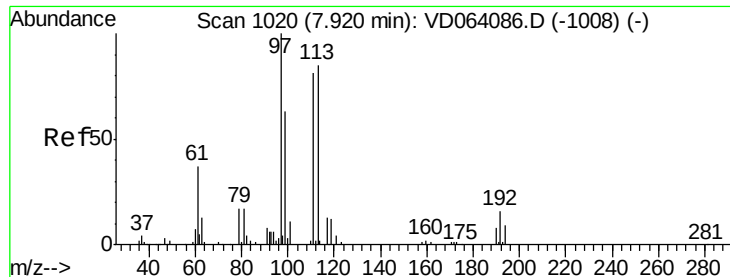
Tot Ion: 65 Resp: 99923
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 114 Resp: 348023
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 32.8
 88 14.2 0.0 27.6

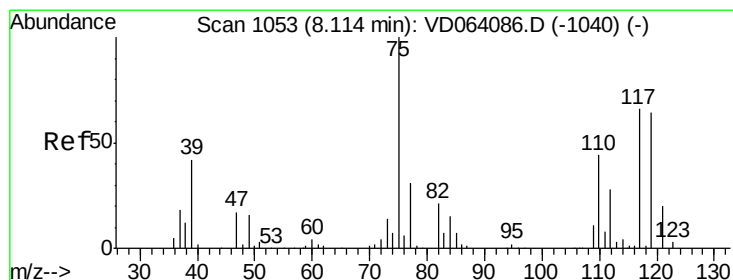
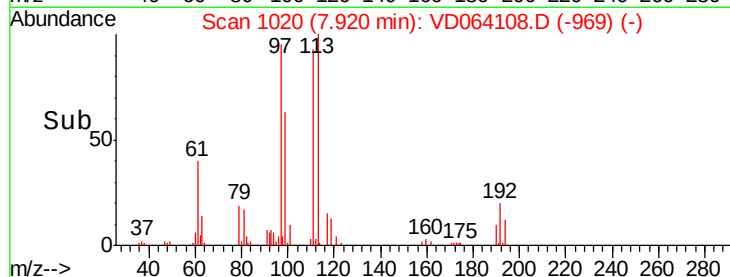
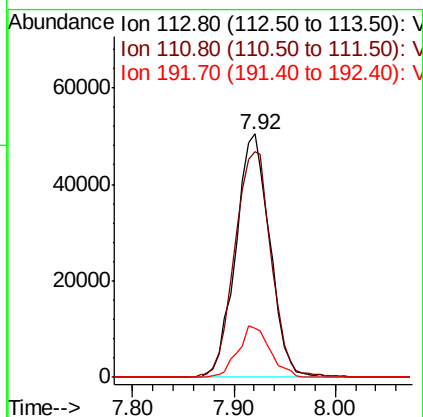
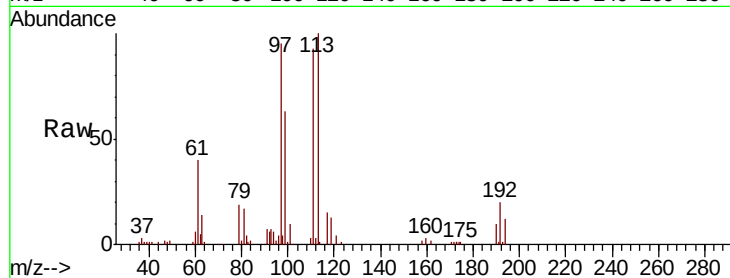




#35
 Dibromofluoromethane
 Concen: 54.949 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

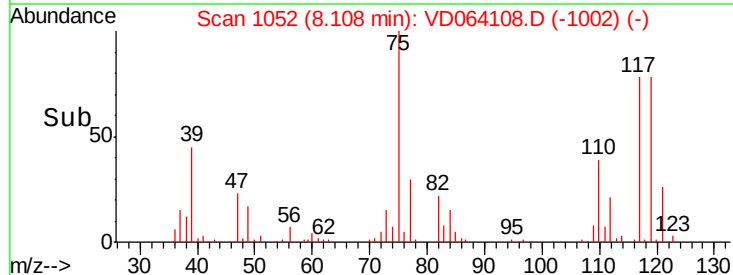
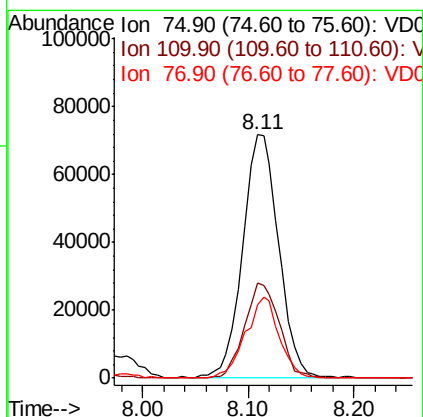
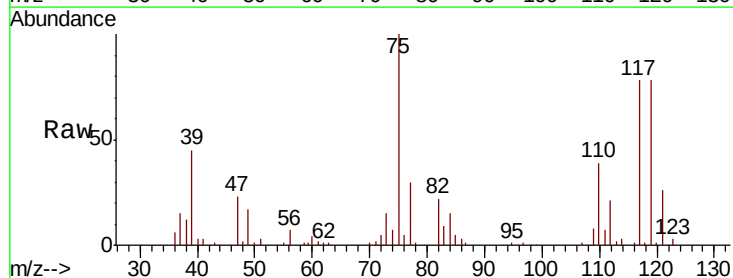
Instrument :
 MSVOA_D
 ClientSampleId :

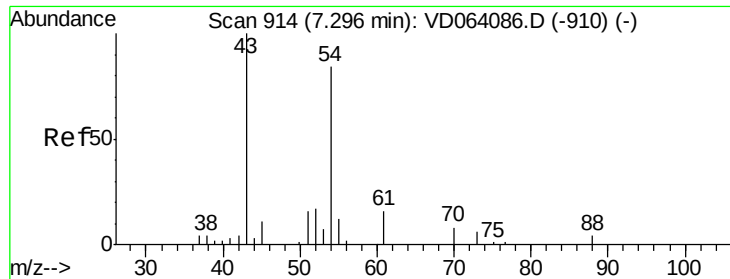
Tot Ion:113 Resp: 117653
 Ion Ratio Lower Upper
 113 100
 111 99.4 79.3 118.9
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 52.178 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 75 Resp: 170156
 Ion Ratio Lower Upper
 75 100
 110 37.7 20.0 59.9
 77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 53.653 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampled :

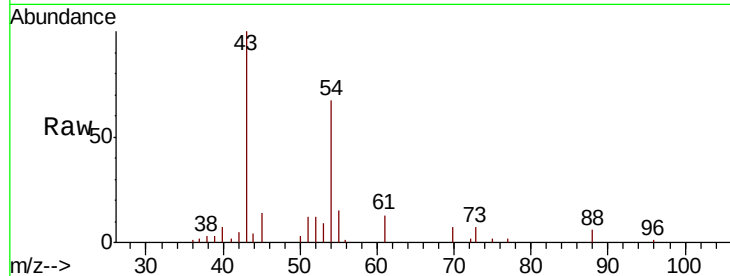
Tot Ion: 43 Resp: 53855

Ion Ratio Lower Upper

43 100

61 13.9 12.0 18.0

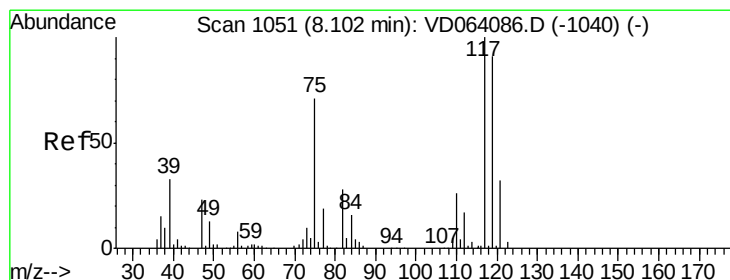
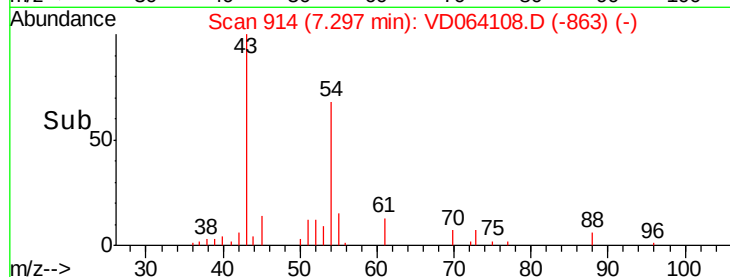
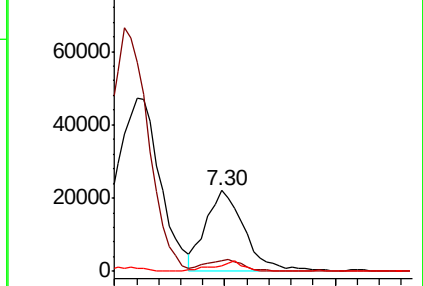
70 9.8 3.8 5.6#



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: 51.717 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

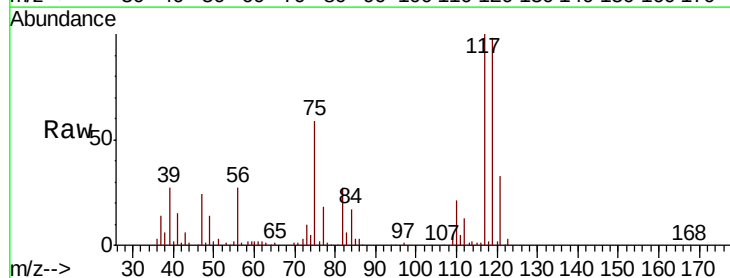
Tgt Ion: 117 Resp: 184013

Ion Ratio Lower Upper

117 100

119 98.2 72.6 108.8

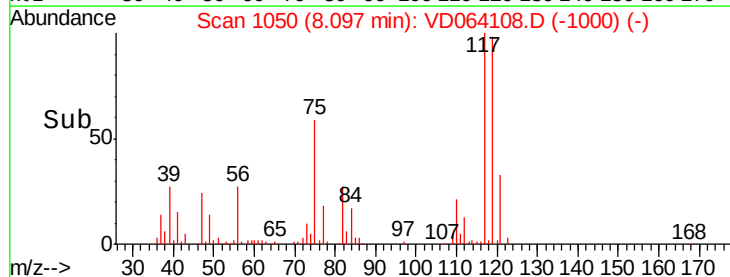
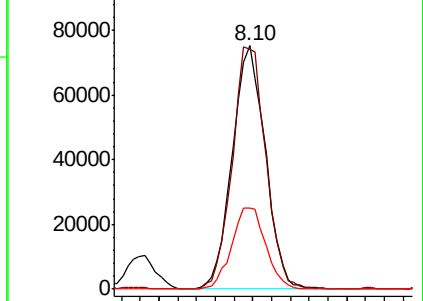
121 33.5 25.8 38.6

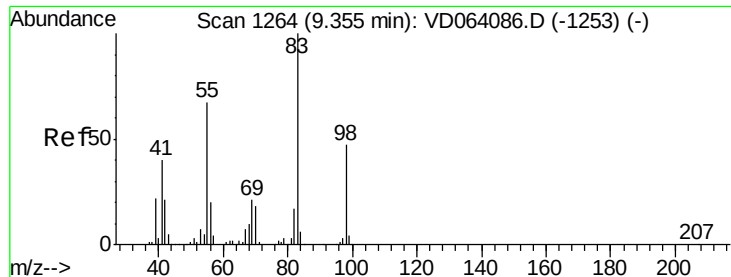


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

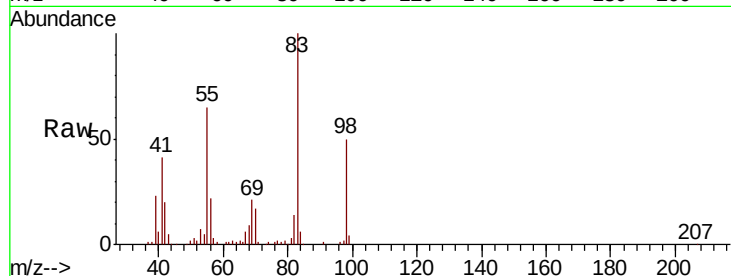




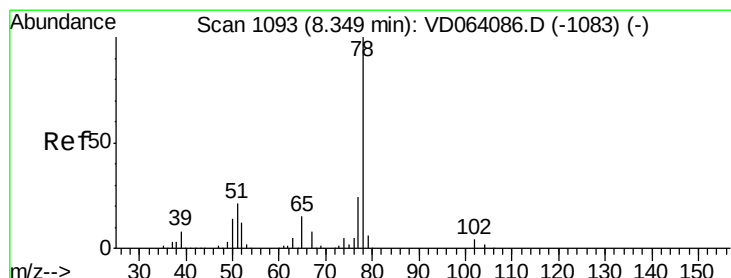
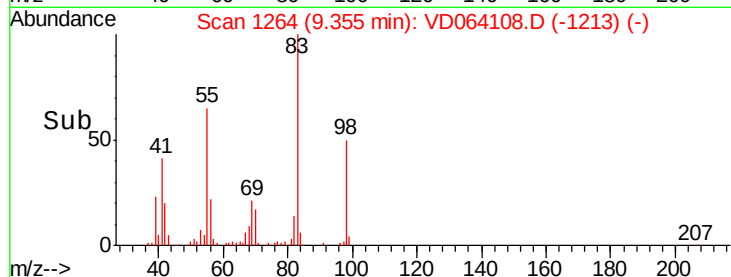
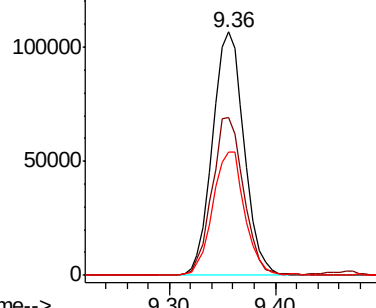
#39
Methylvlcyclohexane
Concen: 55.348 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83.00	Resp	221567
Ion	Ratio	Lower	Upper
83	100		
55	64.7	53.4	80.0
98	50.4	37.8	56.6

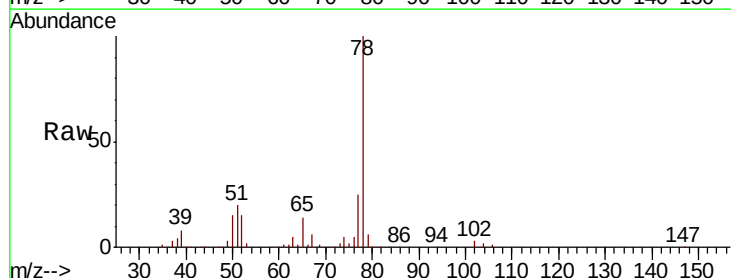


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

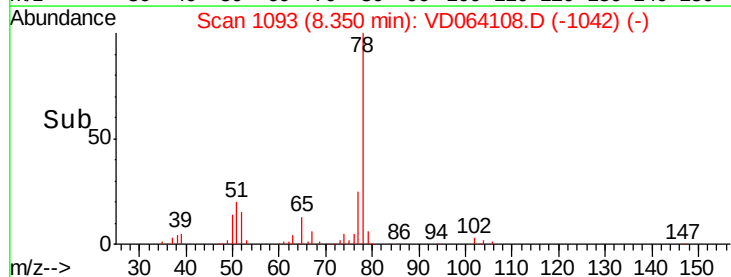
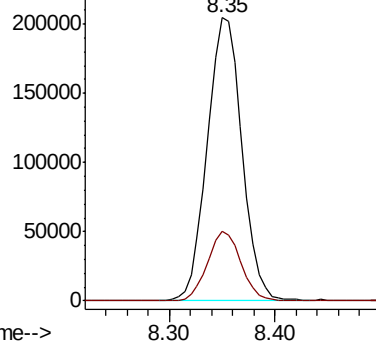


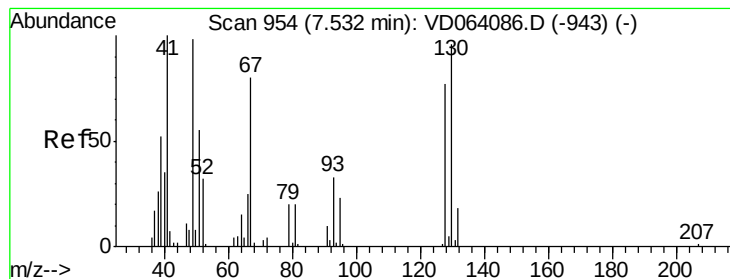
#40
Benzene
Concen: 52.441 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion	78	Resp	466345
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4



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





#41

Methacrylonitrile

Concen: 51.602 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 29891

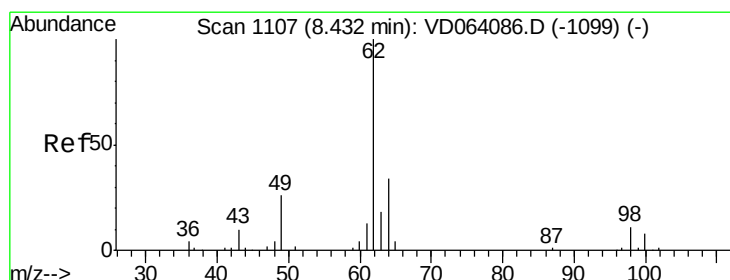
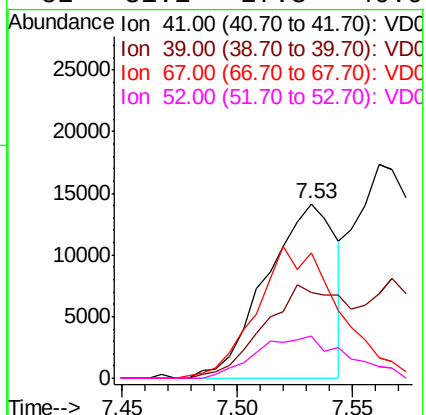
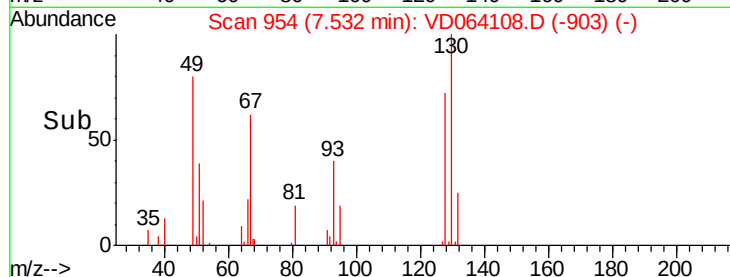
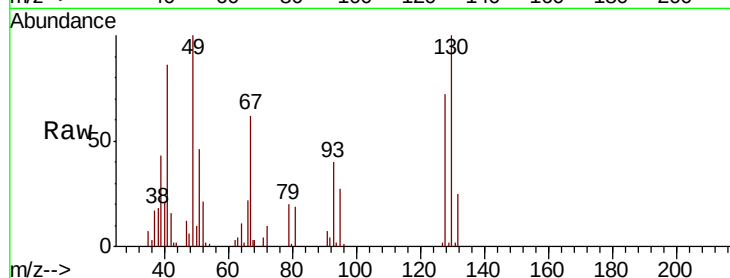
Ion Ratio Lower Upper

41 100

39 61.3 41.0 61.4

67 89.0 73.4 110.0

52 31.1 27.3 40.9



#42

1,2-Dichloroethane

Concen: 51.171 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064108.D

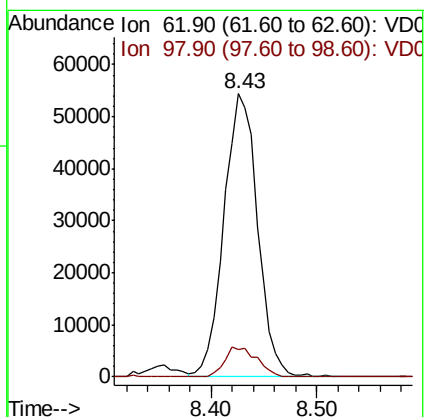
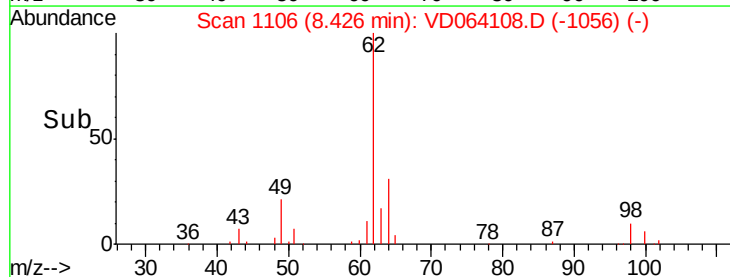
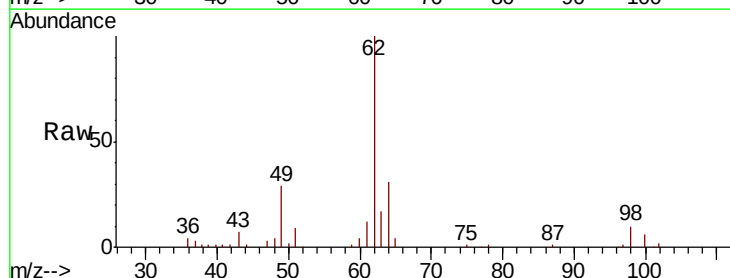
Acq: 30 Oct 2019 11:45

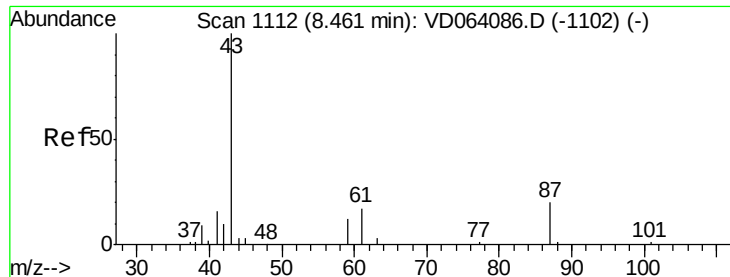
Tgt Ion: 62 Resp: 120204

Ion Ratio Lower Upper

62 100

98 10.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 50.618 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

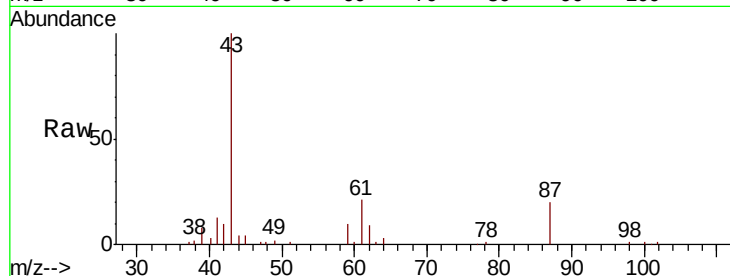
Tot Ion: 43 Resp: 102681

Ion Ratio Lower Upper

43 100

61 33.0 25.8 38.8

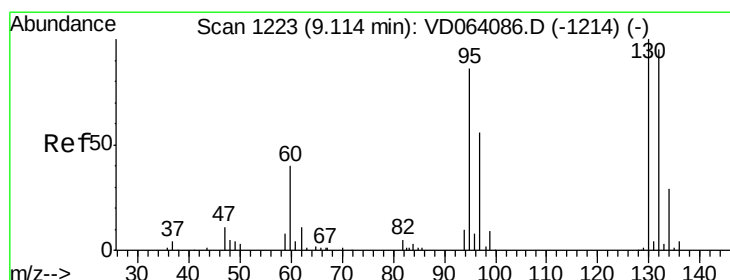
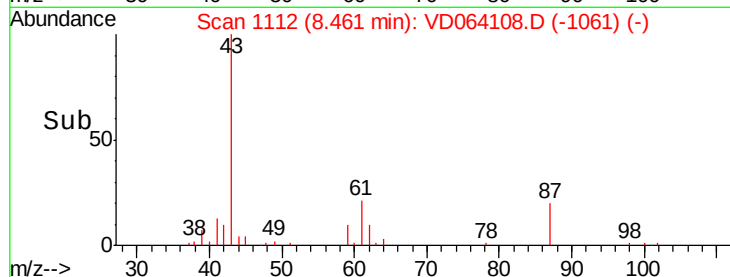
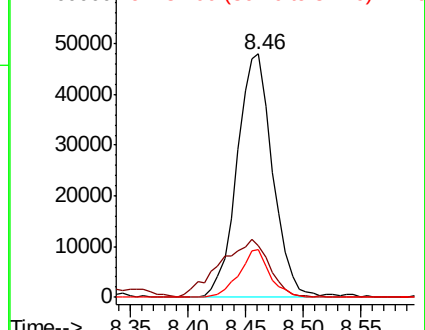
87 16.9 13.0 19.4



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: 53.967 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064108.D

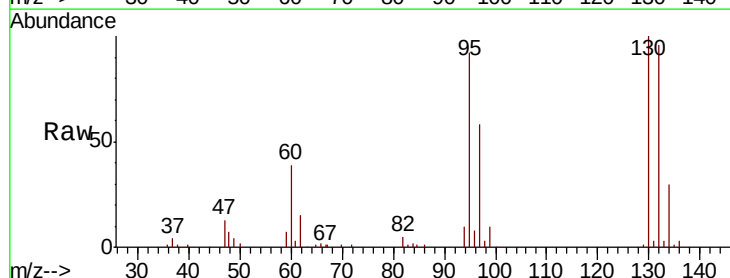
Acq: 30 Oct 2019 11:45

Tgt Ion:130 Resp: 145459

Ion Ratio Lower Upper

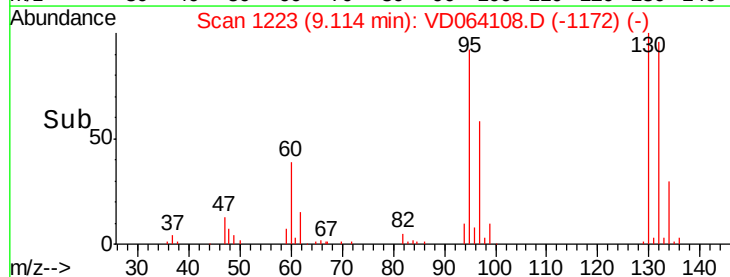
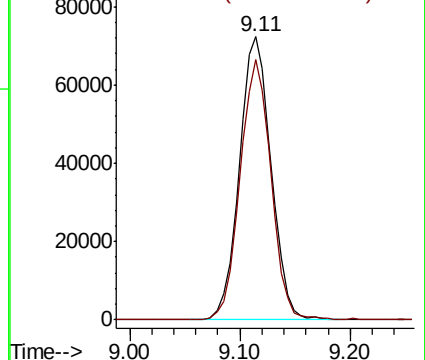
130 100

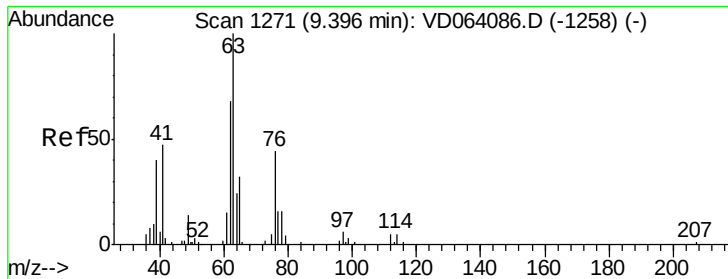
95 92.0 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

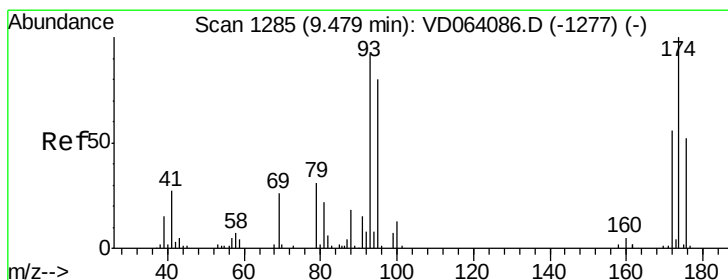
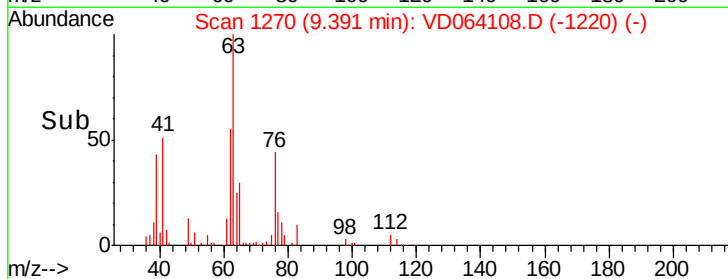
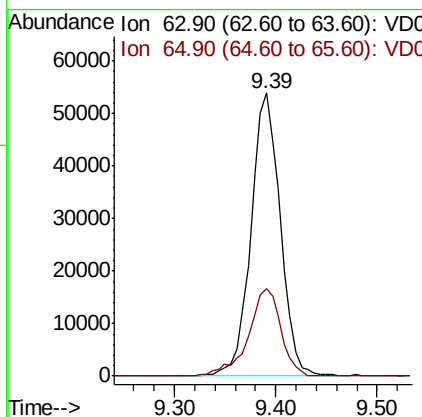
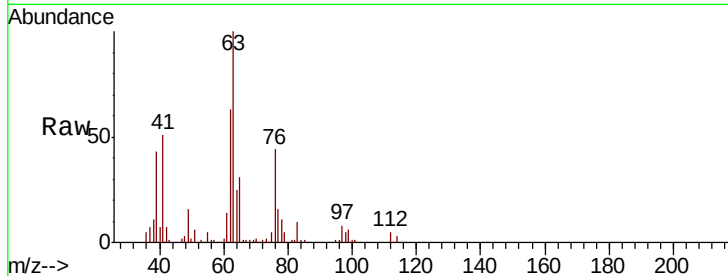




#45
 1,2-Dichloropropane
 Concen: 52.629 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

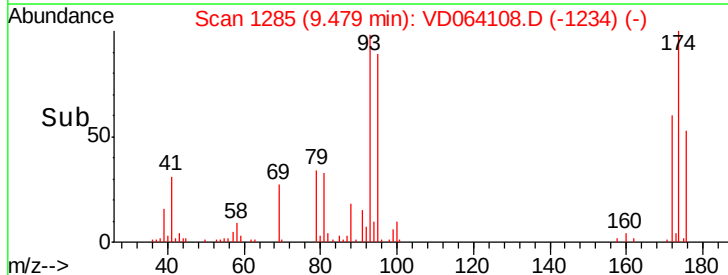
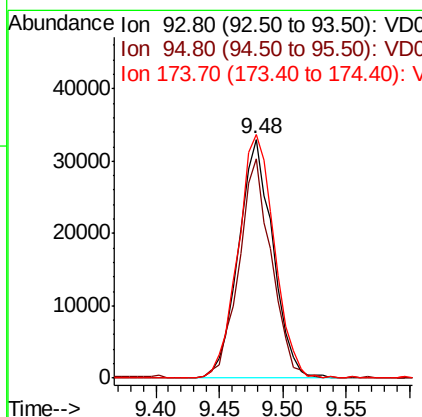
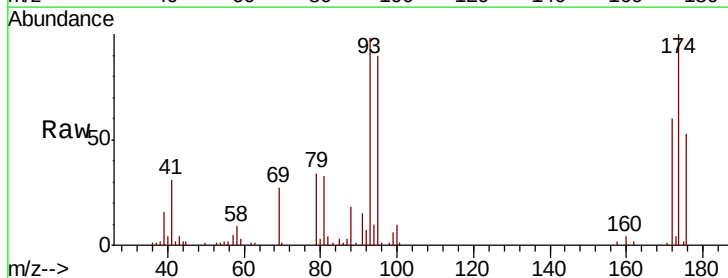
Instrument :
 MSVOA_D
 ClientSampleId :

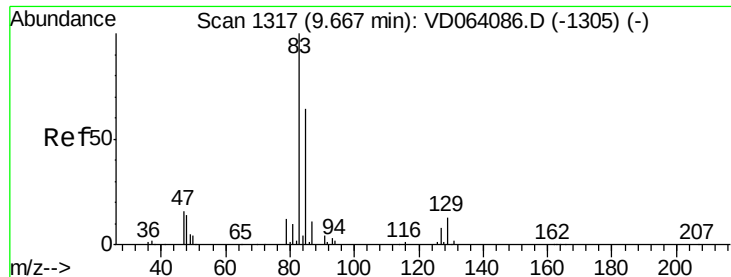
Tot Ion: 63 Resp: 108464
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.8 38.8



#46
 Dibromomethane
 Concen: 49.989 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 93 Resp: 62048
 Ion Ratio Lower Upper
 93 100
 95 87.0 67.4 101.2
 174 108.0 86.4 129.6





#47

Bromodichloromethane

Concen: 52.887 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampled :

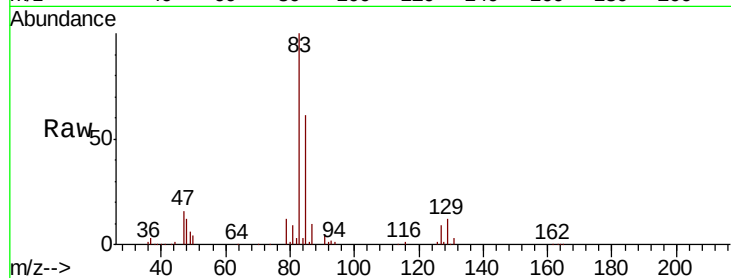
Tot Ion: 83 Resp: 165606

Ion Ratio Lower Upper

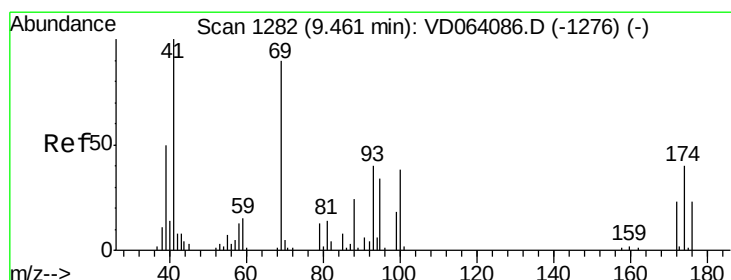
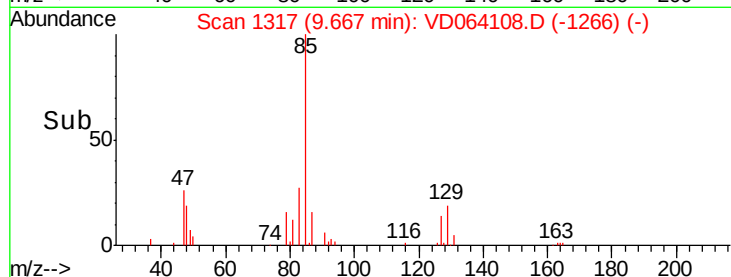
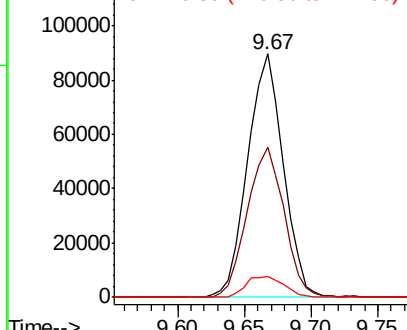
83 100

85 61.4 51.4 77.0

127 8.7 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: 56.259 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

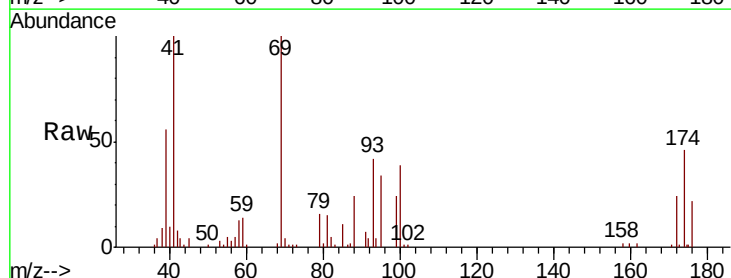
Tgt Ion: 41 Resp: 52776

Ion Ratio Lower Upper

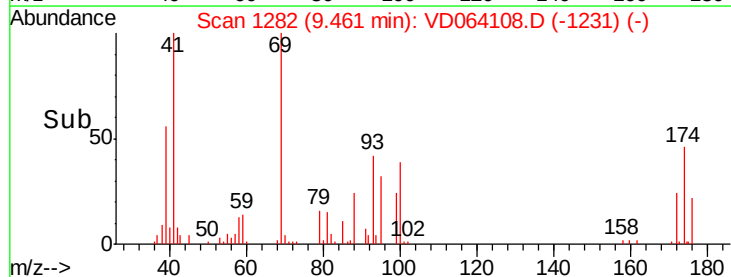
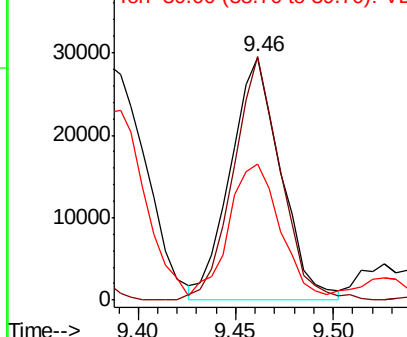
41 100

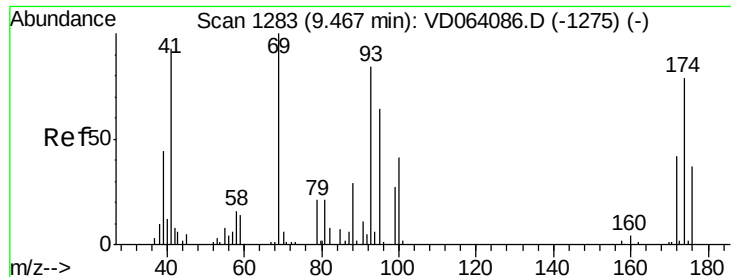
69 93.4 82.6 124.0

39 58.0 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

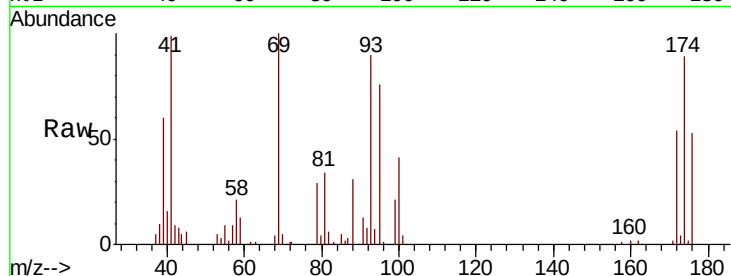




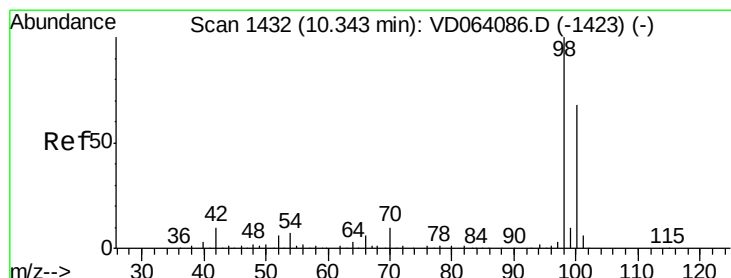
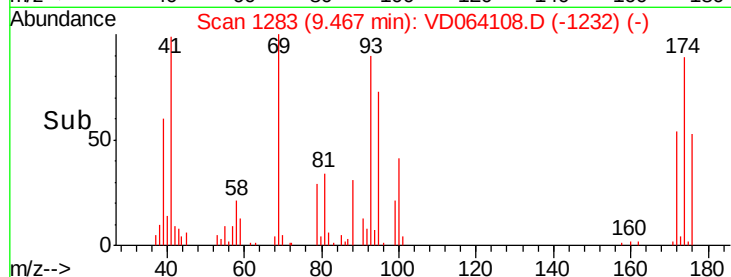
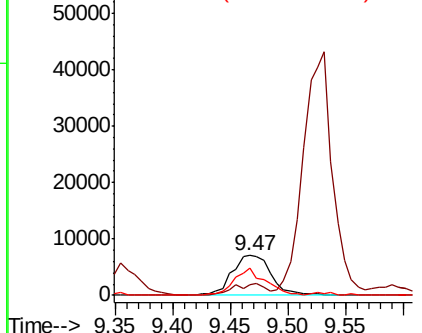
#49
1,4-Dioxane
Concen: 1175.545 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 16702
Ion Ratio Lower Upper
88 100
43 24.1 13.4 20.0#
58 54.1 46.7 70.1

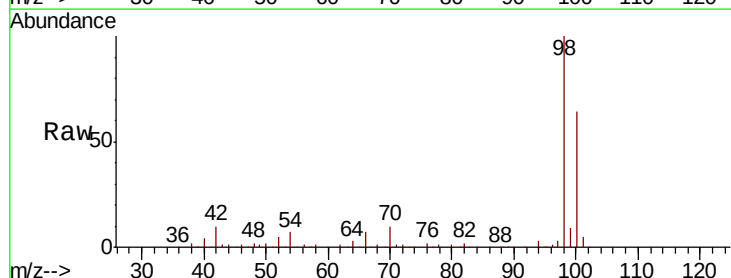


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

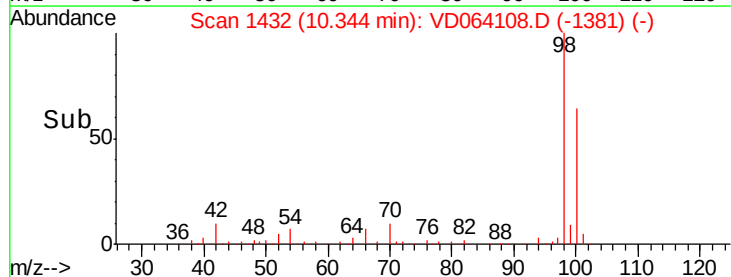
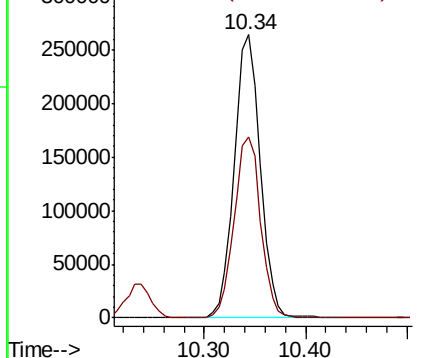


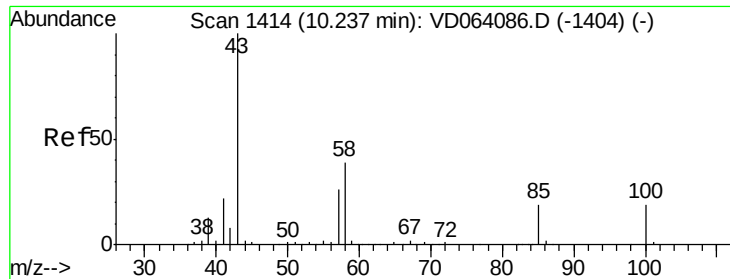
#50
Toluene-d8
Concen: 55.118 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 98 Resp: 471960
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0



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

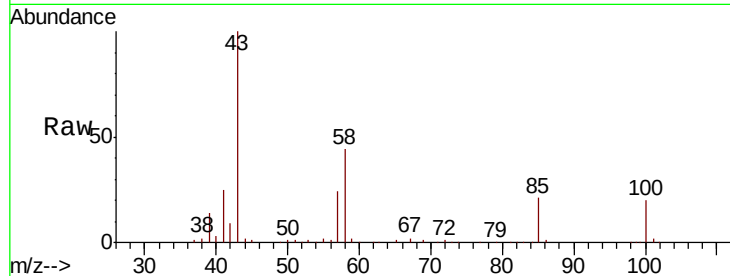




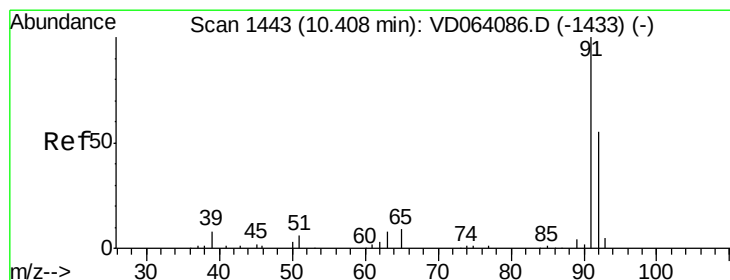
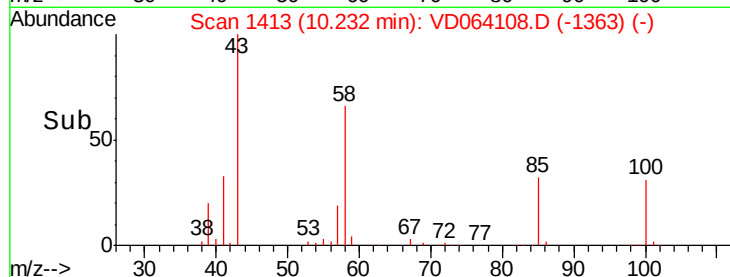
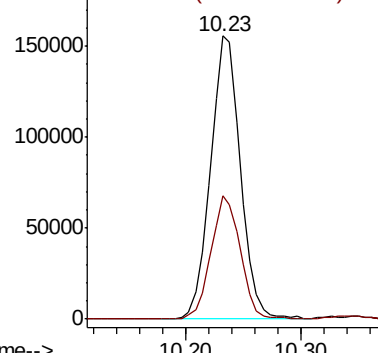
#51
4-Methyl-2-Pentanone
Concen: 252.667 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 279032
Ion Ratio Lower Upper
43 100
58 42.8 33.0 49.4

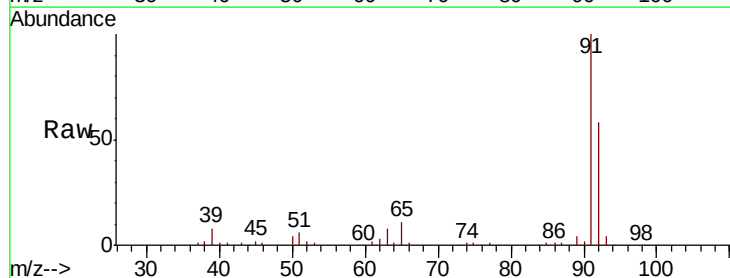


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

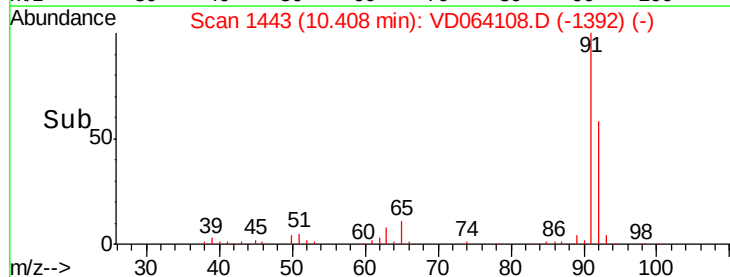
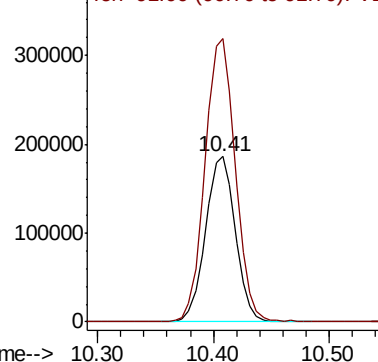


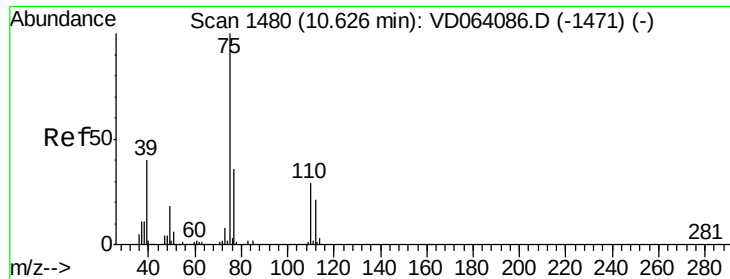
#52
Toluene
Concen: 53.505 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 92 Resp: 333450
Ion Ratio Lower Upper
92 100
91 173.4 140.7 211.1



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





#53

t-1,3-Dichloropropene

Concen: 53.202 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

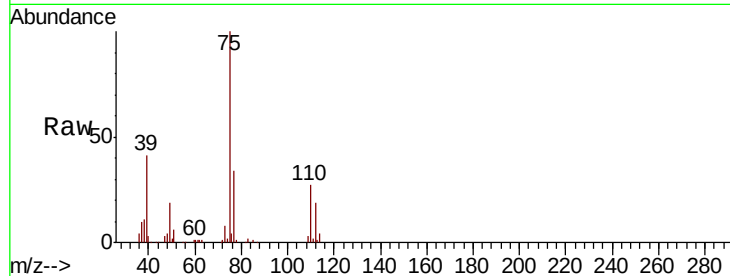
ClientSampled :

Tot Ion: 75 Resp: 155509

Ion Ratio Lower Upper

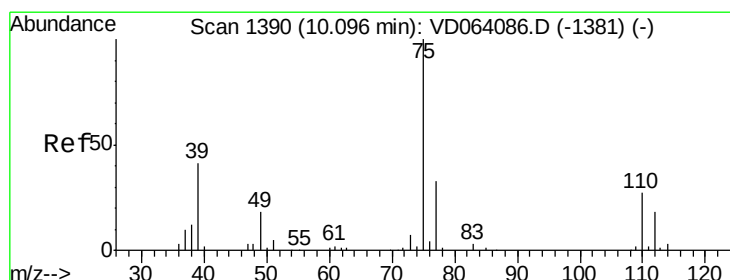
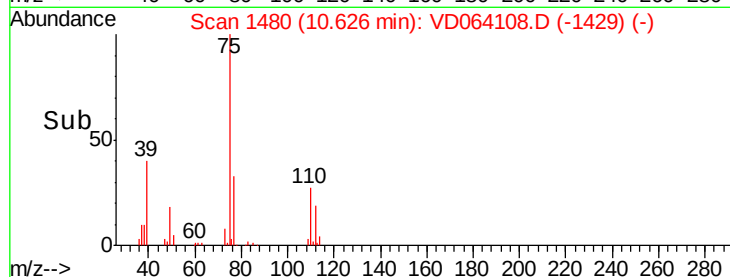
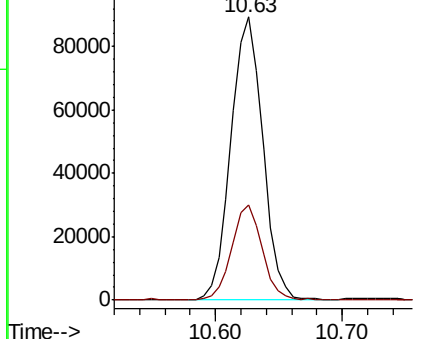
75 100

77 33.5 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: 52.314 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

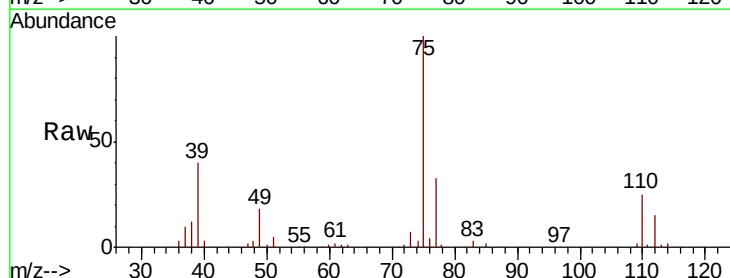
Tgt Ion: 75 Resp: 179904

Ion Ratio Lower Upper

75 100

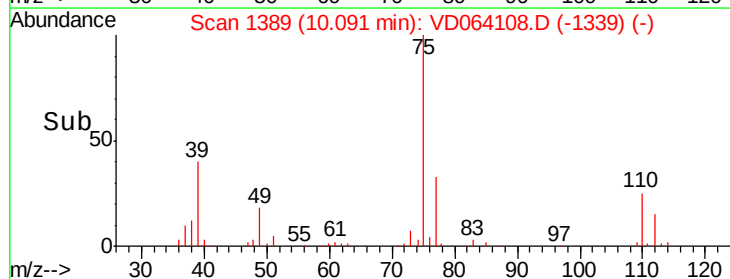
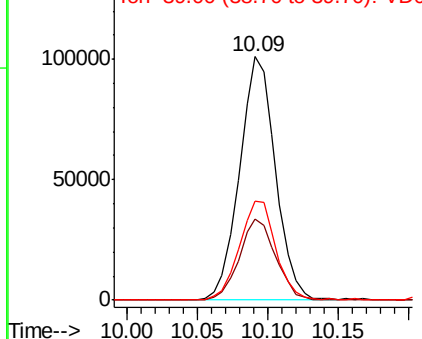
77 33.2 26.8 40.2

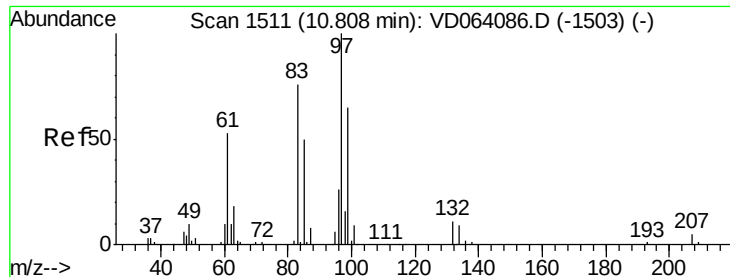
39 40.4 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

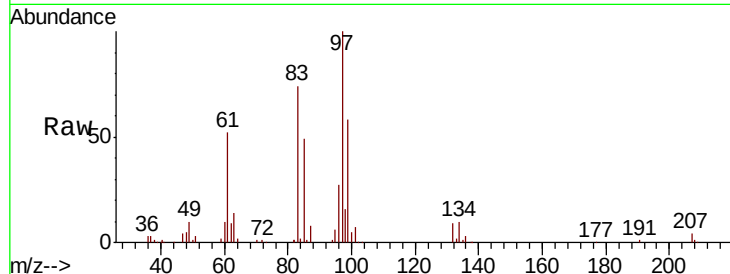




#55
 1,1,2-Trichloroethane
 Concen: 52.877 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	93052
Ion	Ratio	Lower	Upper
97	100		
83	74.1	60.9	91.3
85	49.1	40.2	60.2
99	58.4	51.9	77.9



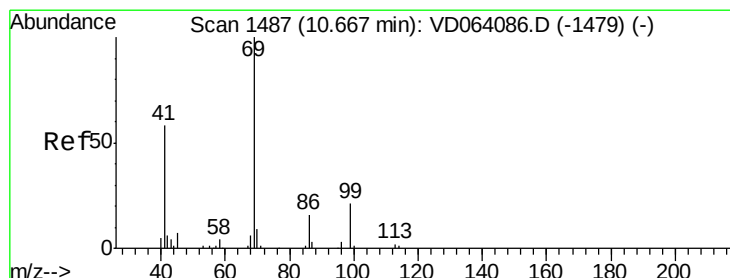
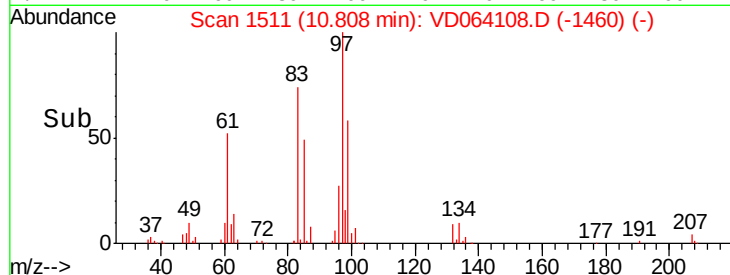
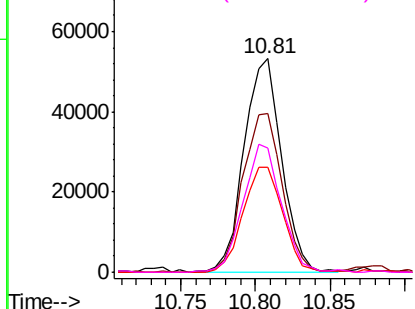
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

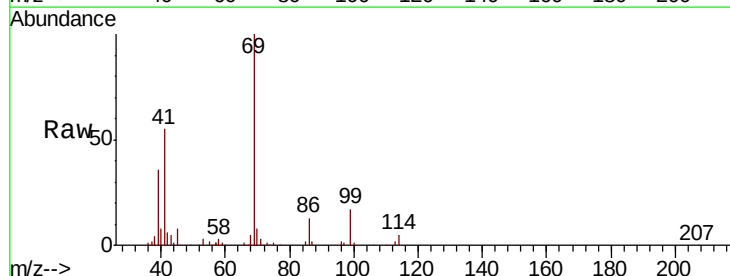
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 49.716 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion:	69	Resp:	106299
Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.9	70.3
39	30.0	27.3	40.9

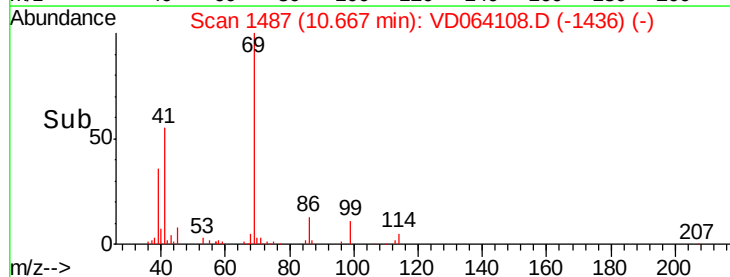
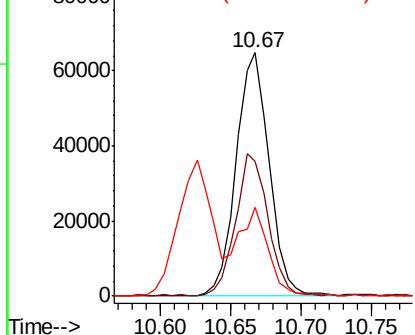


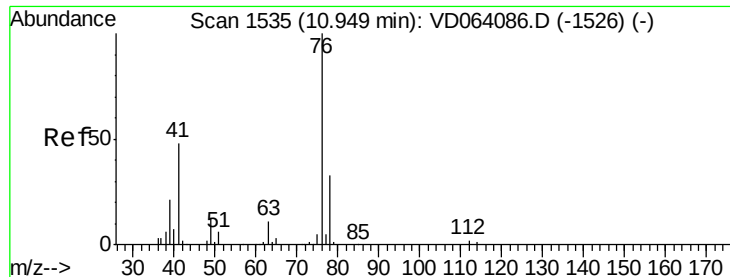
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.678 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

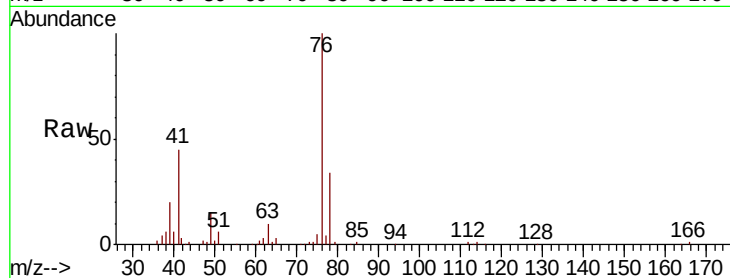
ClientSampleId :

Tot Ion: 76 Resp: 147493

Ion Ratio Lower Upper

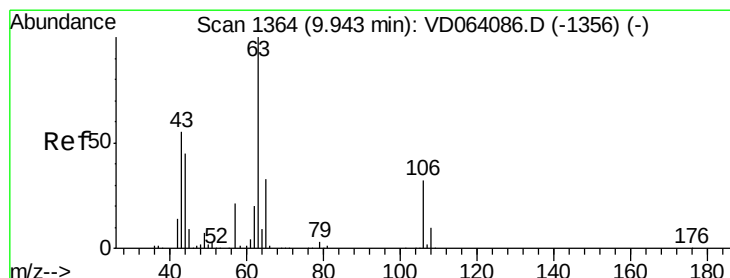
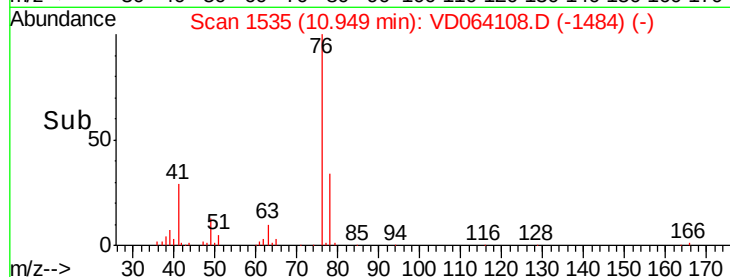
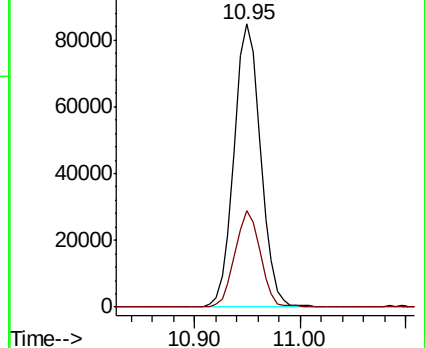
76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 273.385 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064108.D

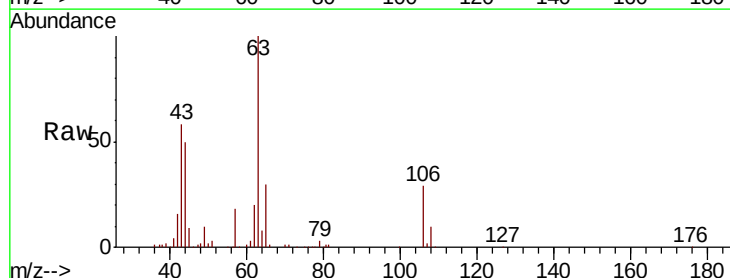
Acq: 30 Oct 2019 11:45

Tgt Ion: 63 Resp: 210773

Ion Ratio Lower Upper

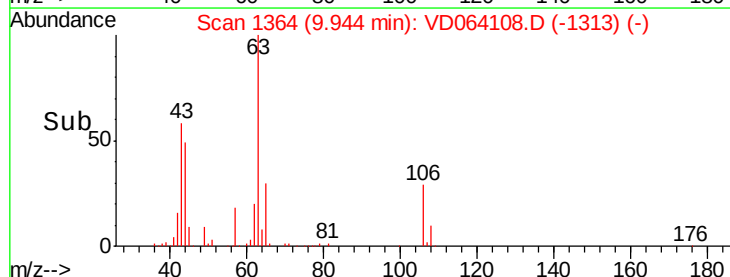
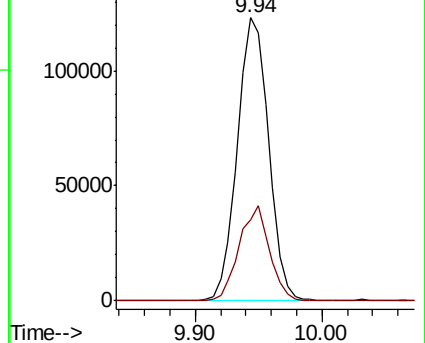
63 100

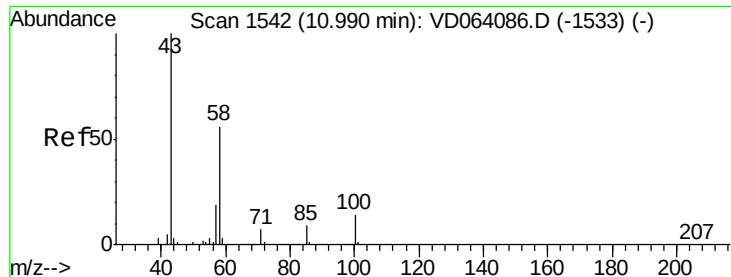
106 32.5 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

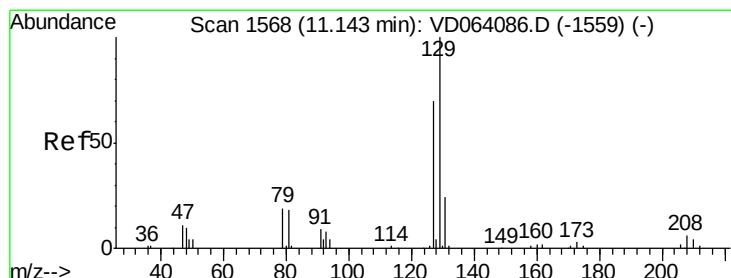
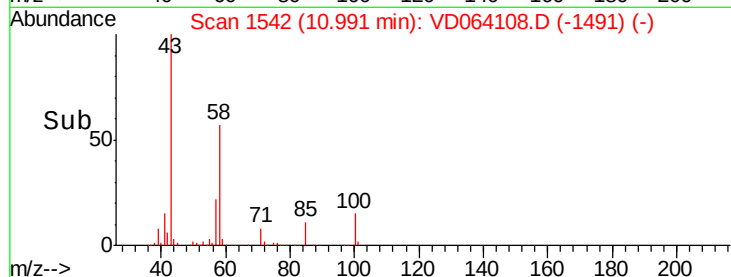
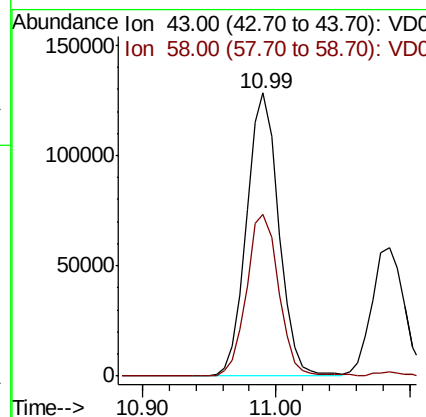
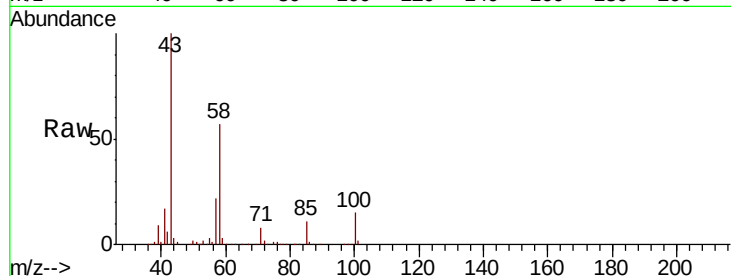




#59
2-Hexanone
Concen: 246.308 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

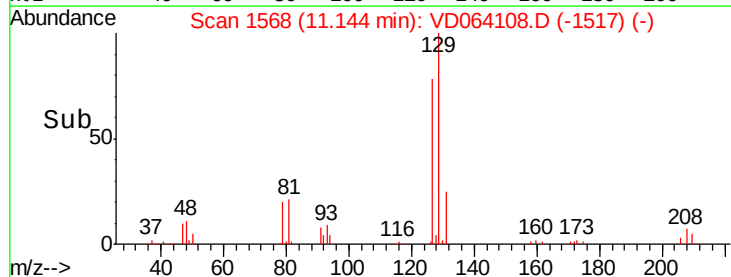
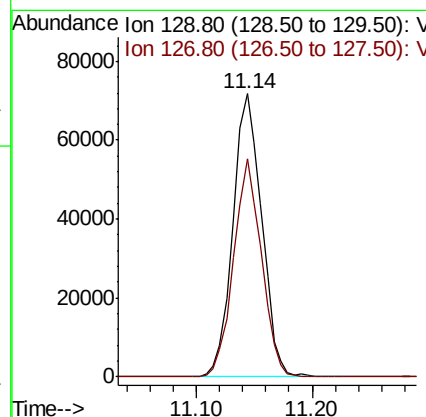
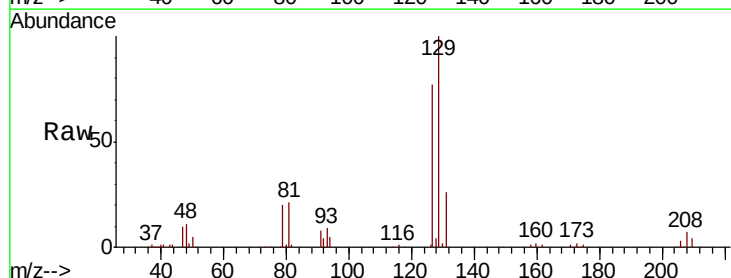
Instrument :
MSVOA_D
ClientSampled :

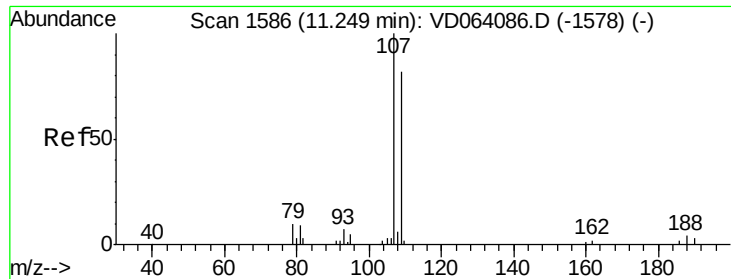
Tot Ion: 43 Resp: 213106
Ion Ratio Lower Upper
43 100
58 57.2 29.2 87.6



#60
Dibromochloromethane
Concen: 51.859 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 129 Resp: 123867
Ion Ratio Lower Upper
129 100
127 74.5 38.3 114.8

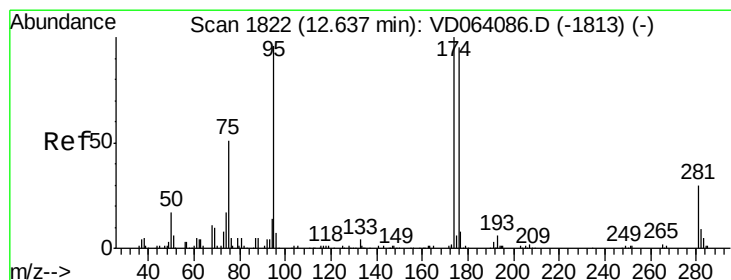
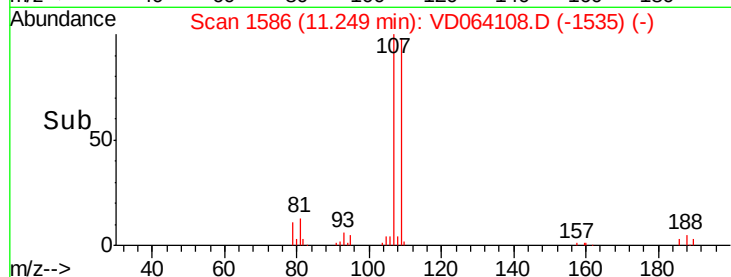
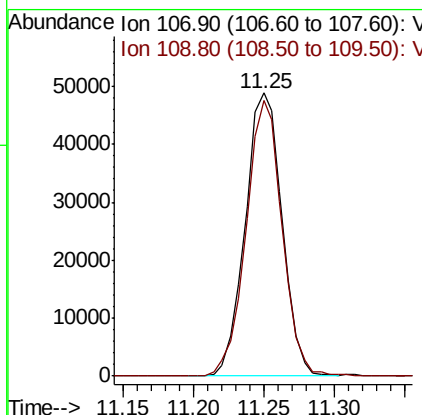
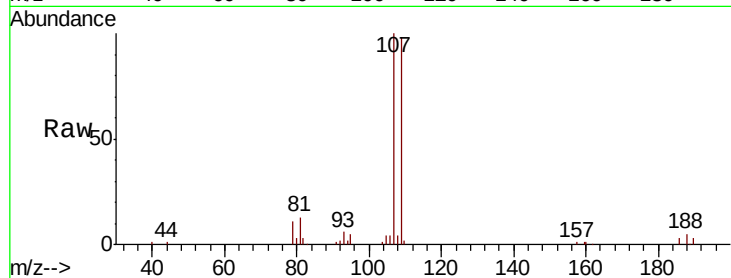




#61
1,2-Dibromoethane
Concen: 50.864 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

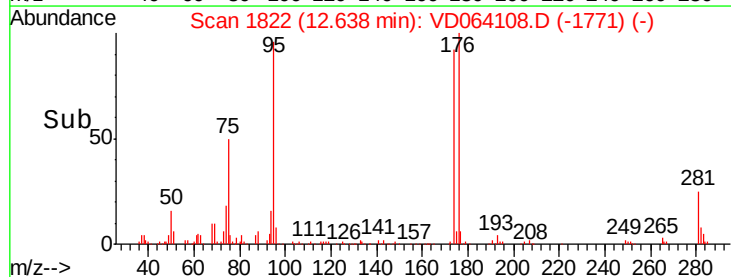
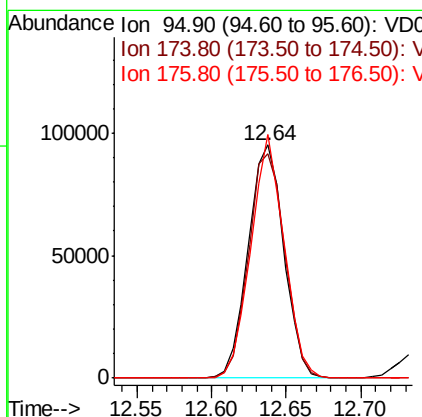
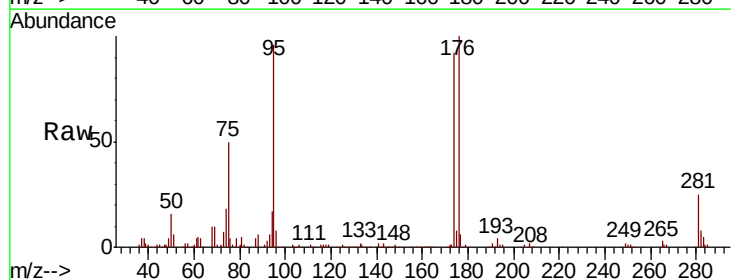
Instrument :
MSVOA_D
ClientSampled :

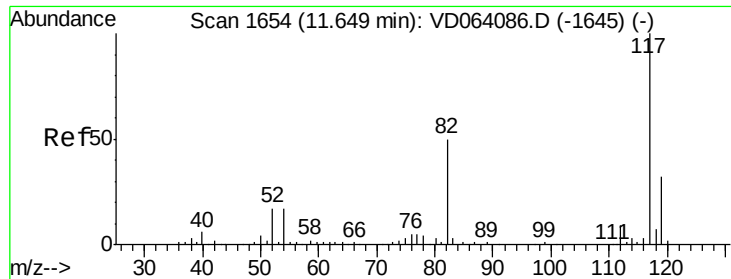
Tot Ion: 107 Resp: 89524
Ion Ratio Lower Upper
107 100
109 95.0 73.0 109.4



#62
4-Bromofluorobenzene
Concen: 55.172 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 95 Resp: 156623
Ion Ratio Lower Upper
95 100
174 98.3 0.0 201.6
176 97.2 0.0 192.6

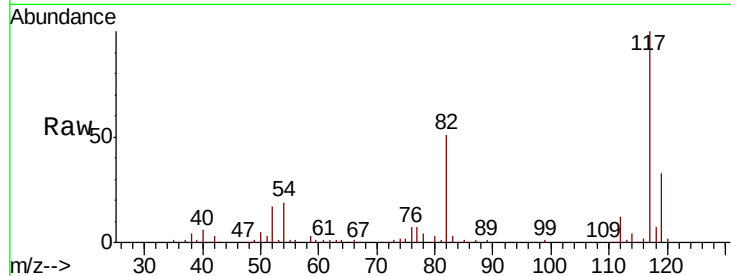




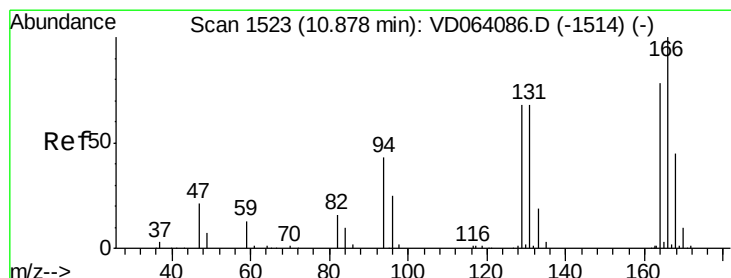
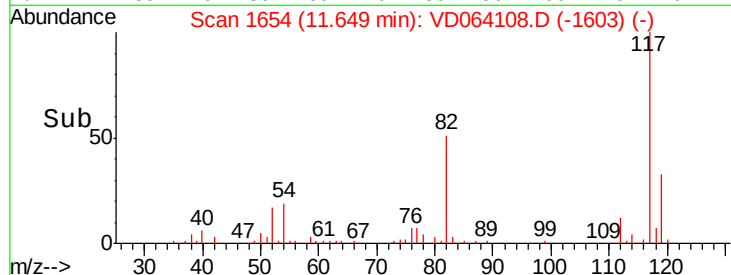
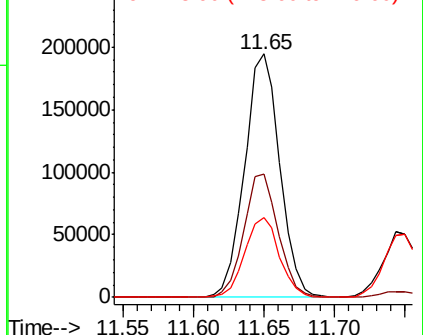
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 340930
Ion Ratio Lower Upper
117 100
82 50.8 40.2 60.4
119 32.7 26.0 39.0

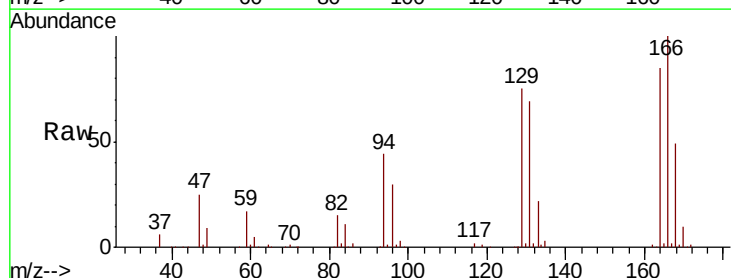


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

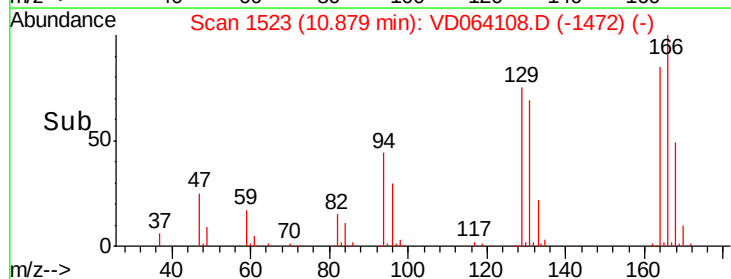
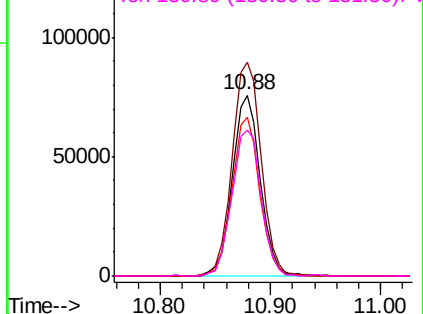


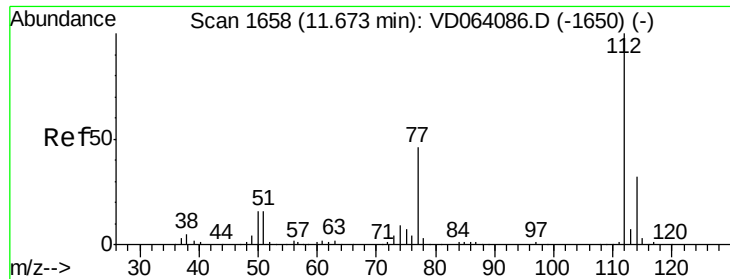
#64
Tetrachloroethene
Concen: 54.937 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:164 Resp: 134556
Ion Ratio Lower Upper
164 100
166 118.2 102.7 154.1
129 88.2 69.8 104.6
131 81.0 69.4 104.0



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

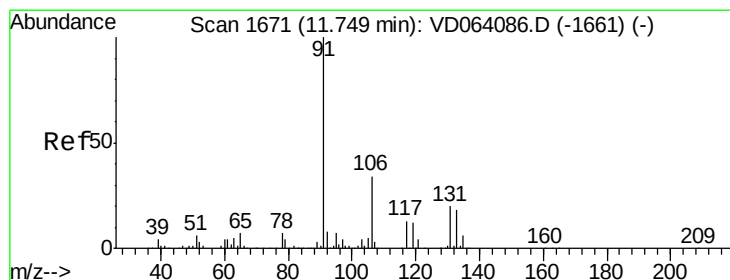
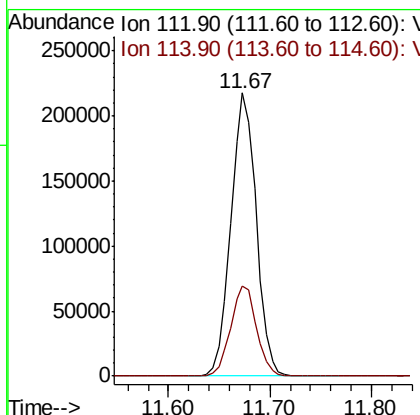
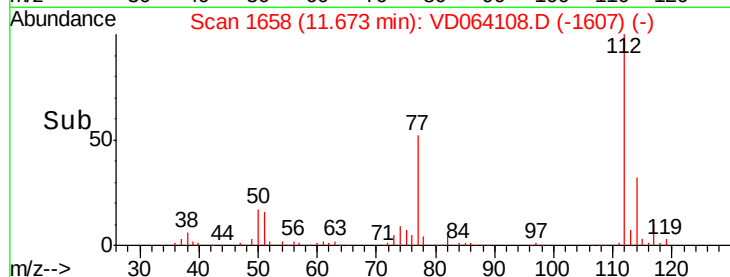
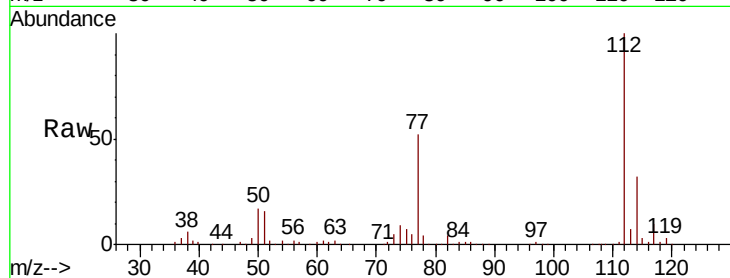




#65
Chlorobenzene
Concen: 53.446 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

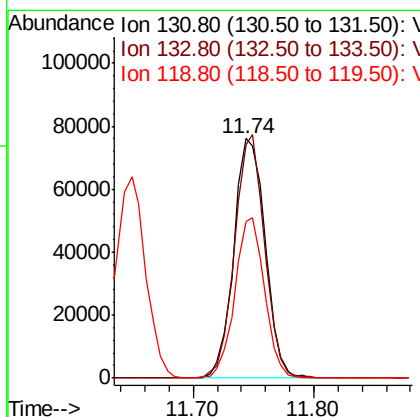
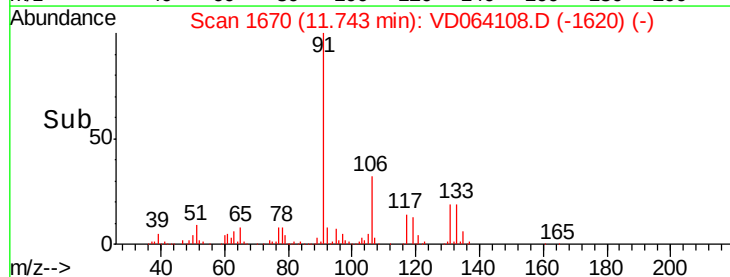
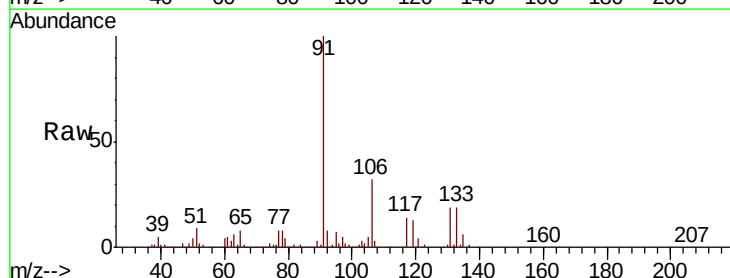
Instrument :
MSVOA_D
ClientSampleID :

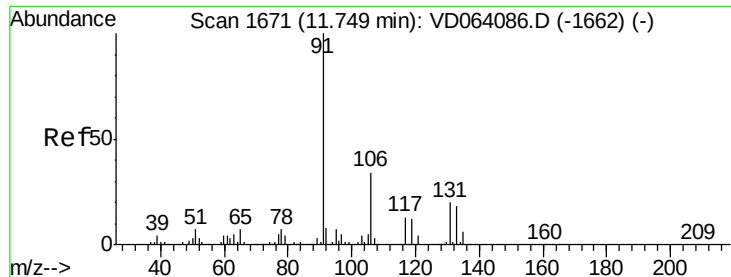
Tot Ion:112 Resp: 376498
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.439 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:131 Resp: 138222
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 63.3 31.4 94.3





#67

Ethyl Benzene

Concen: 54.624 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

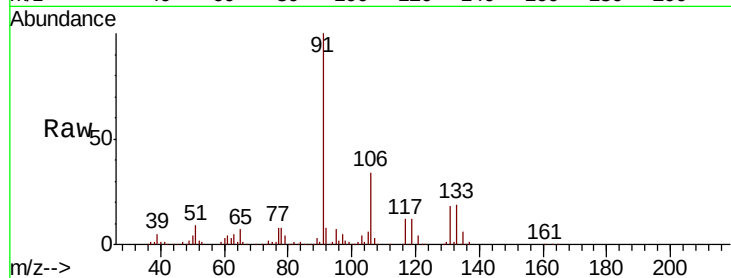
ClientSampleId :

Tot Ion: 91 Resp: 684420

Ion Ratio Lower Upper

91 100

106 33.8 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

600000

400000

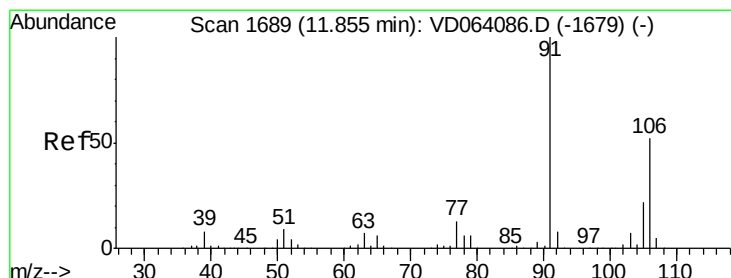
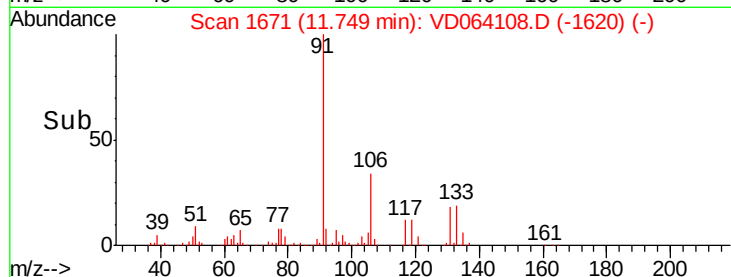
200000

0

11.65 11.70 11.75 11.80

11.75

Time-->



#68

m/p-Xylenes

Concen: 109.521 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064108.D

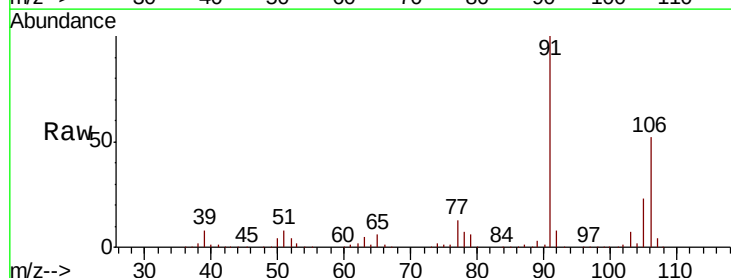
Acq: 30 Oct 2019 11:45

Tgt Ion: 106 Resp: 551957

Ion Ratio Lower Upper

106 100

91 190.9 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

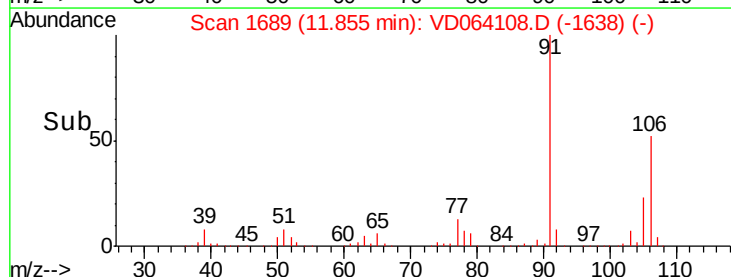
200000

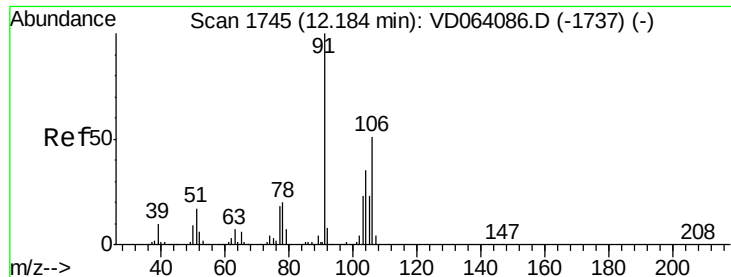
0

11.80 11.85 11.90

11.86

Time-->

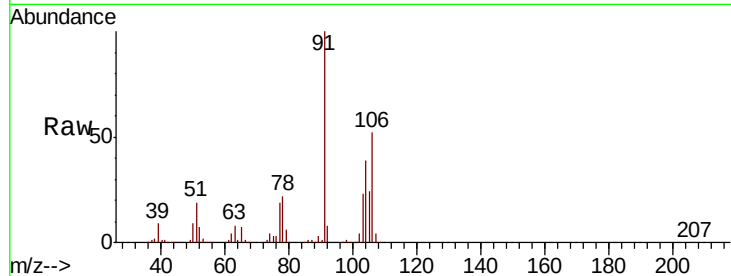




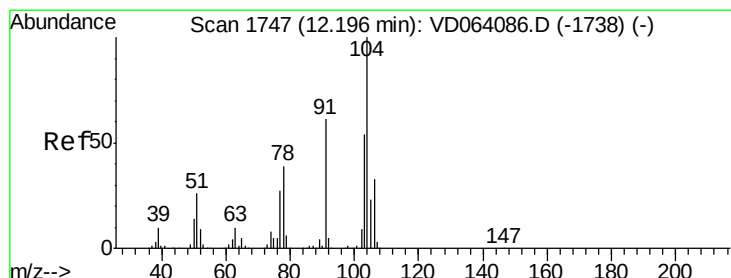
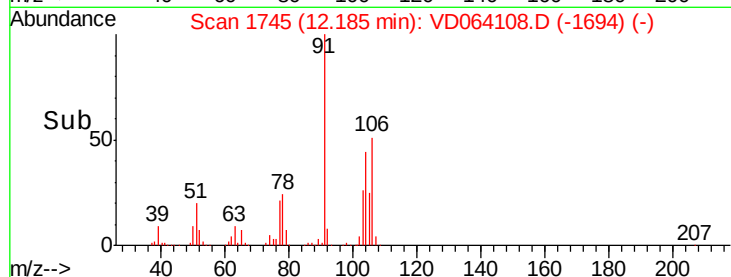
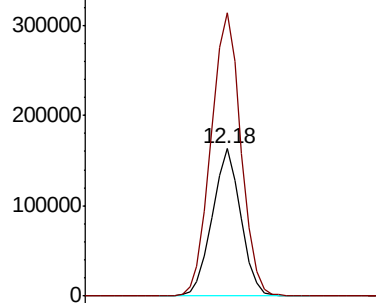
#69
o-Xylene
Concen: 55.524 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 255378
Ion Ratio Lower Upper
106 100
91 200.4 100.6 301.9

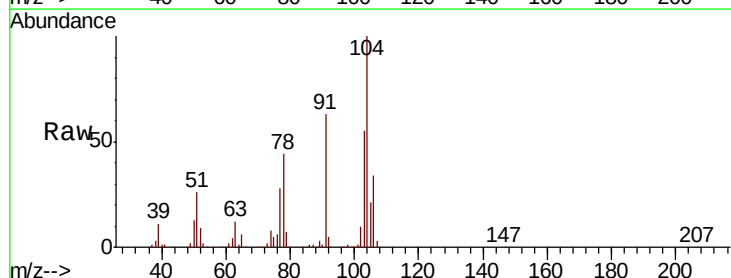


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

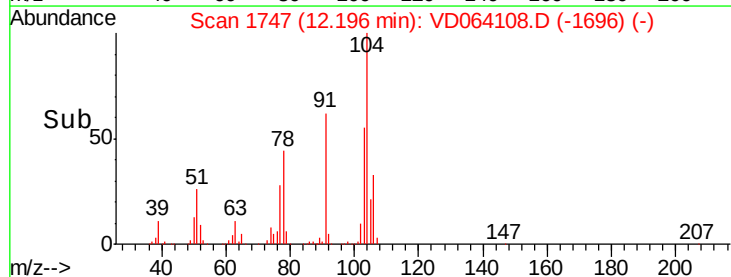
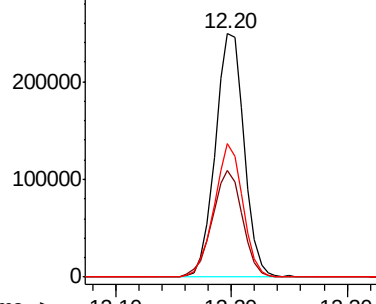


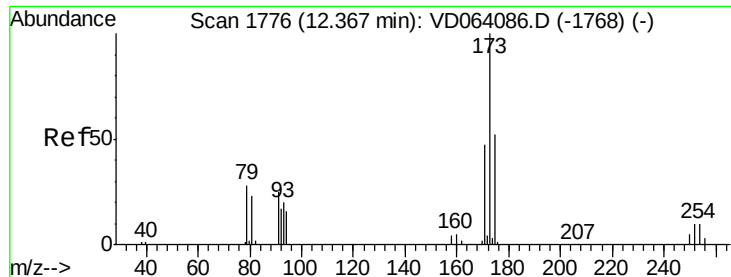
#70
Styrene
Concen: 54.424 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:104 Resp: 431722
Ion Ratio Lower Upper
104 100
78 45.6 34.6 51.8
103 54.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.206 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

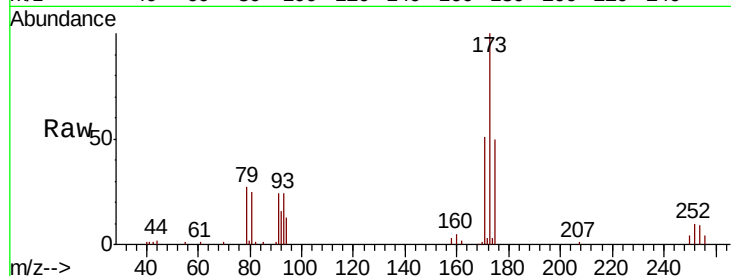
Tot Ion:173 Resp: 74900

Ion Ratio Lower Upper

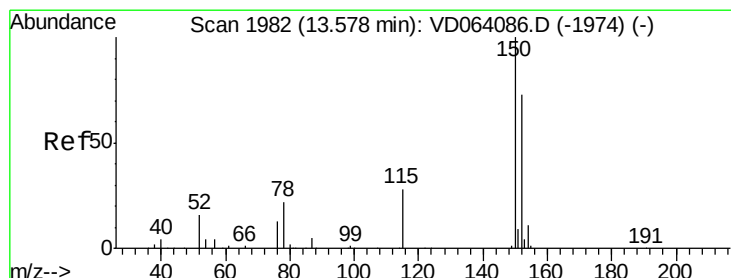
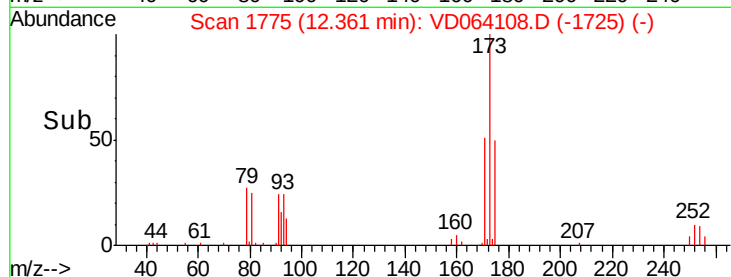
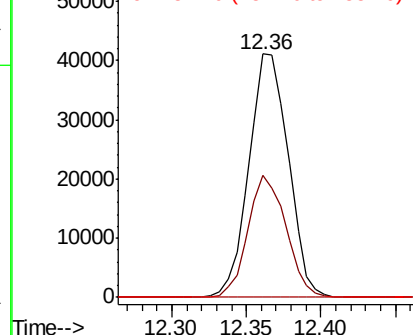
173 100

175 48.5 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: VD064108.D

Acq: 30 Oct 2019 11:45

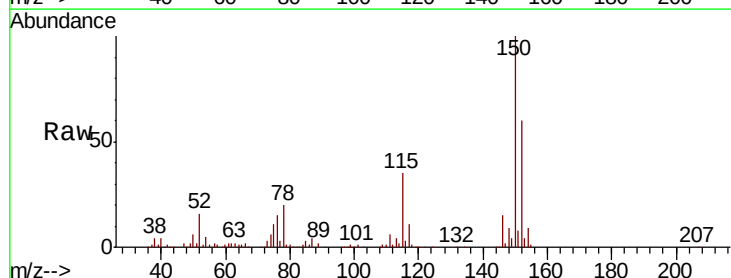
Tgt Ion:152 Resp: 193537

Ion Ratio Lower Upper

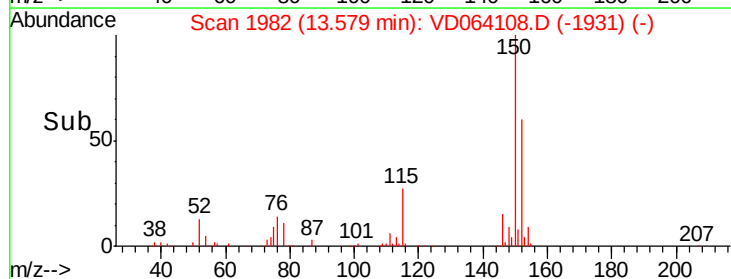
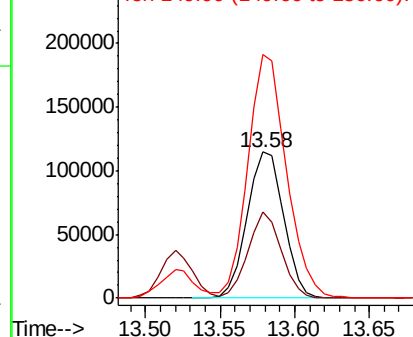
152 100

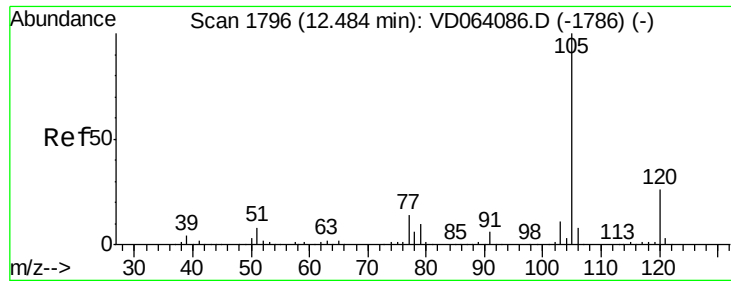
115 53.5 26.2 78.6

150 177.0 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: 52.807 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

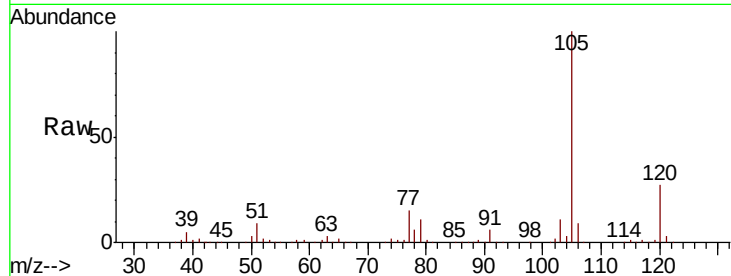
ClientSampleId :

Tot Ion:105 Resp: 710193

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

300000

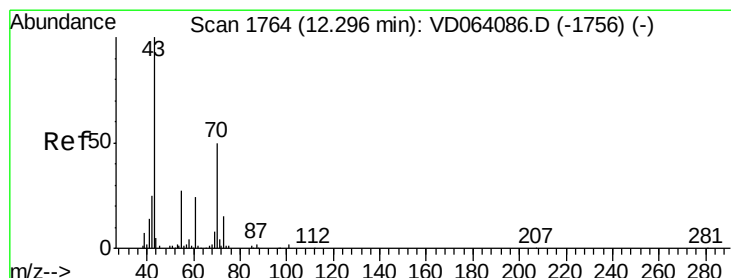
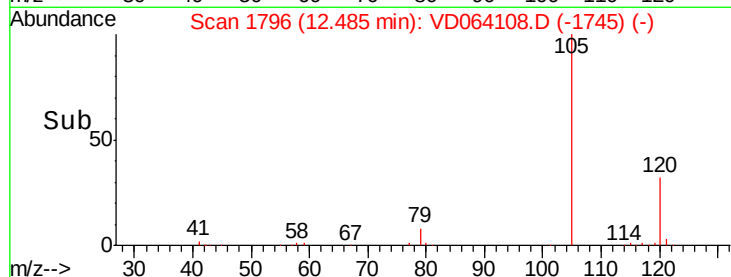
200000

100000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 50.958 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Tgt Ion: 43 Resp: 113854

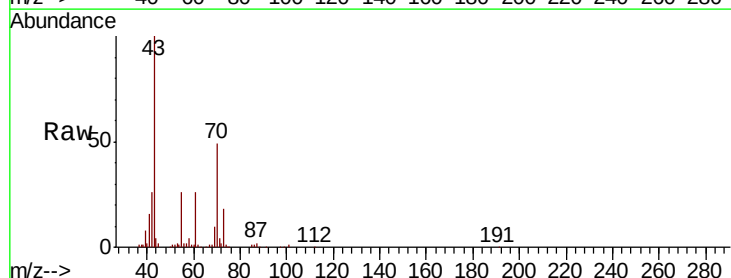
Ion Ratio Lower Upper

43 100

70 48.7 38.6 58.0

55 26.4 20.4 30.6

61 25.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

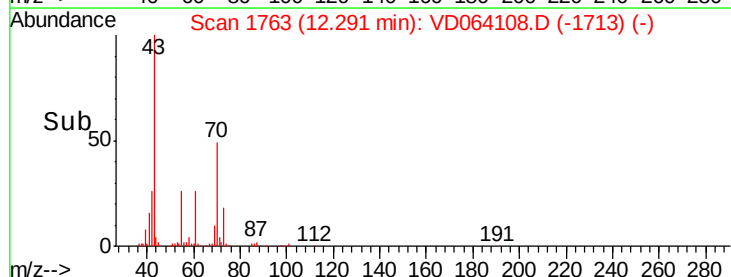
40000

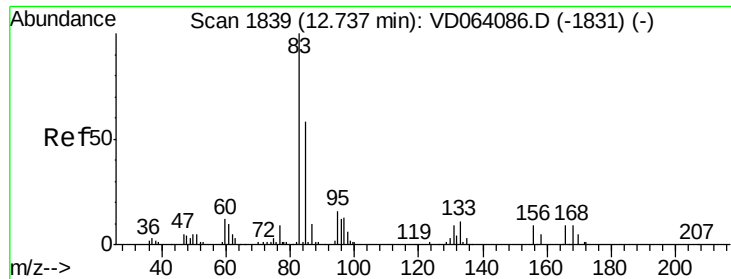
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 47.228 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

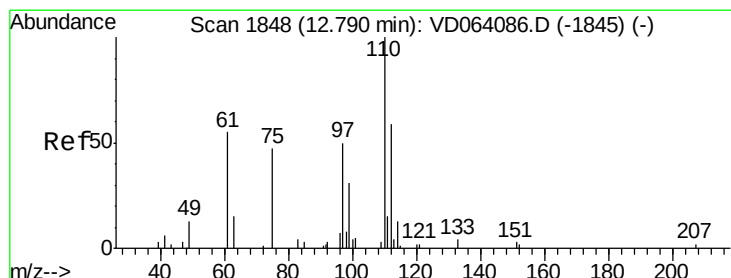
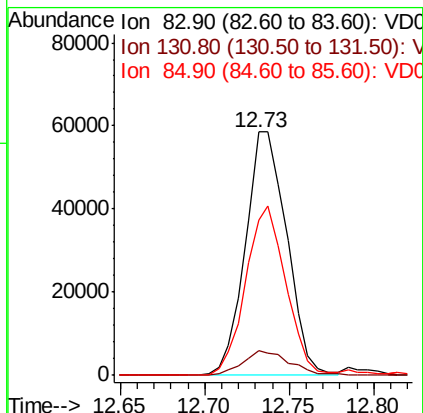
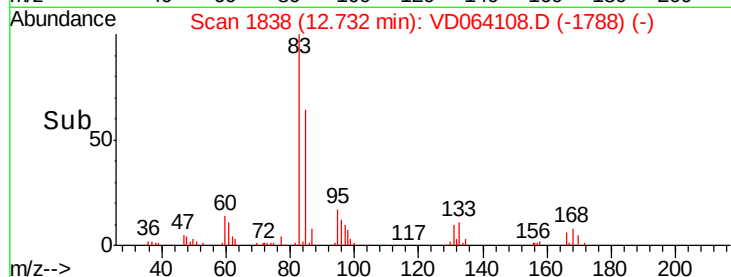
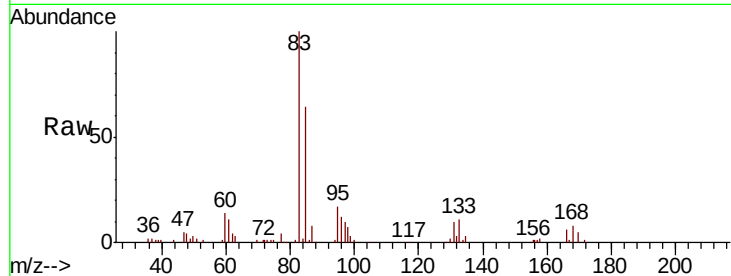
Tot Ion: 83 Resp: 100116

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.0

85 67.5 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 100.422 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064108.D

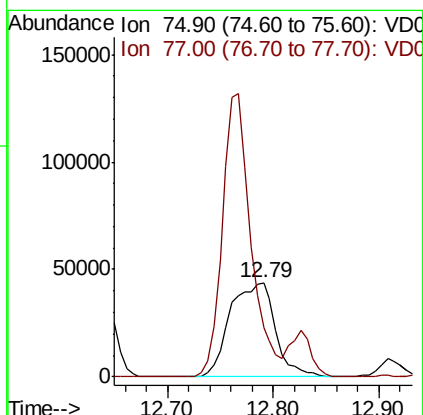
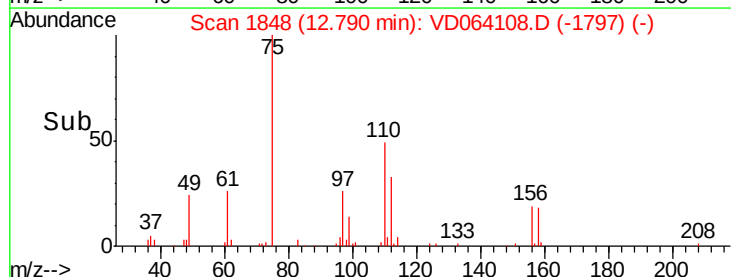
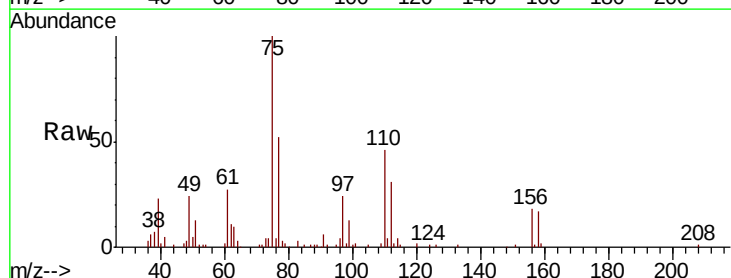
Acq: 30 Oct 2019 11:45

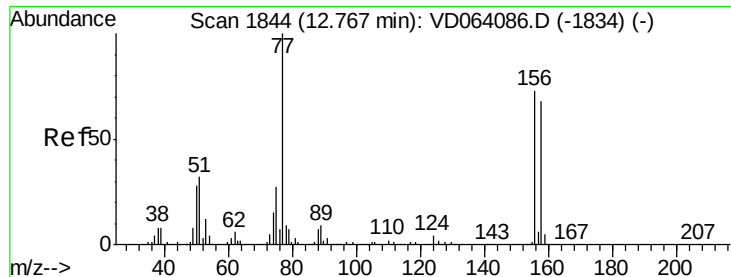
Tgt Ion: 75 Resp: 130595

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.294 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

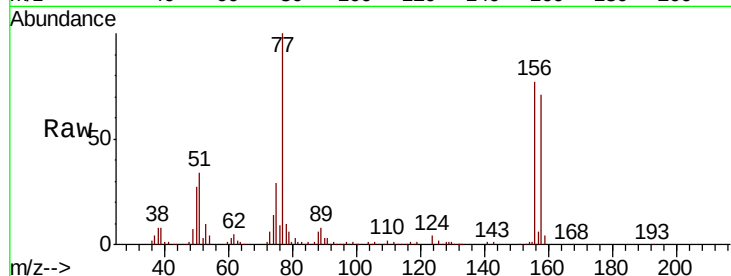
Tot Ion:156 Resp: 166558

Ion Ratio Lower Upper

156 100

77 148.7 76.0 228.0

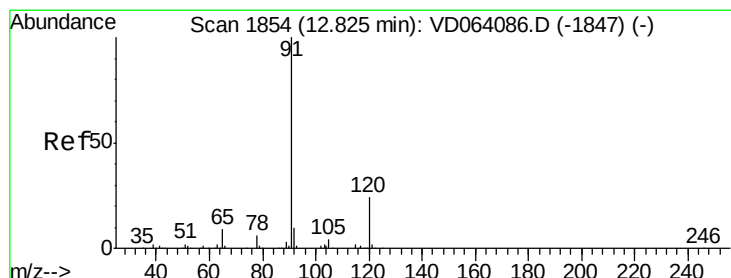
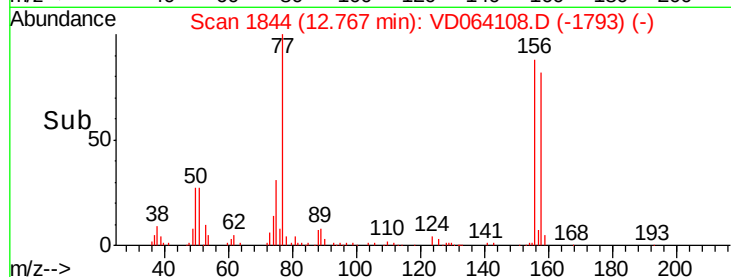
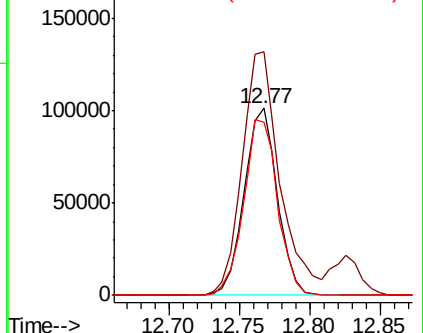
158 96.4 47.6 142.8



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: 53.820 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064108.D

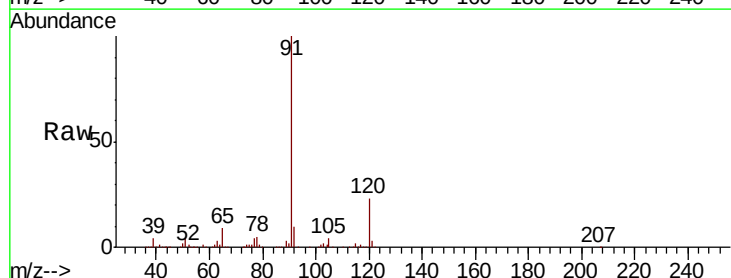
Acq: 30 Oct 2019 11:45

Tgt Ion: 91 Resp: 848232

Ion Ratio Lower Upper

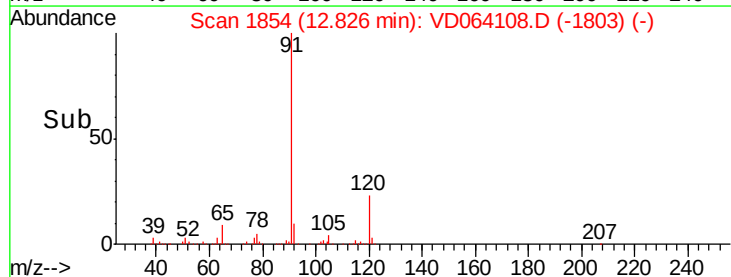
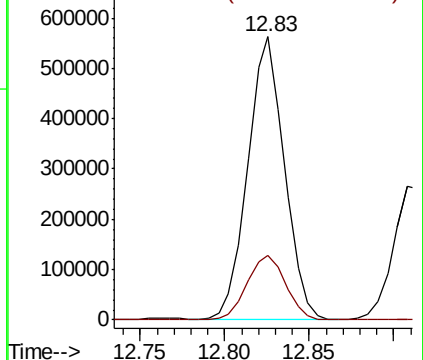
91 100

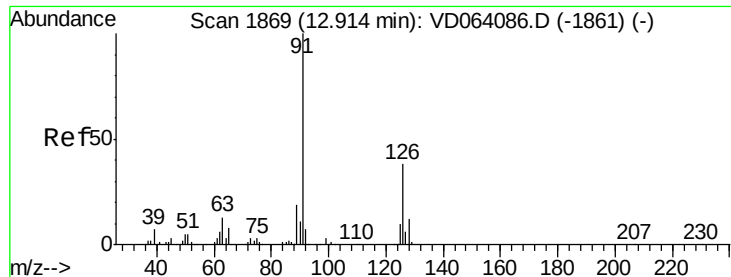
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

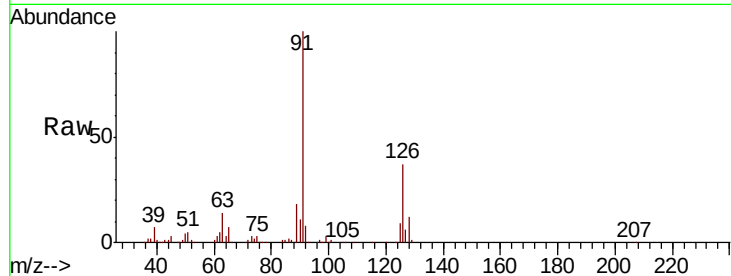




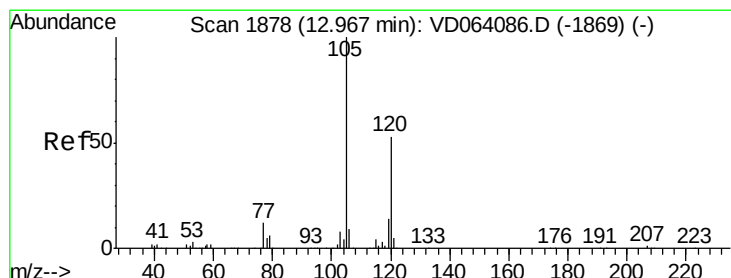
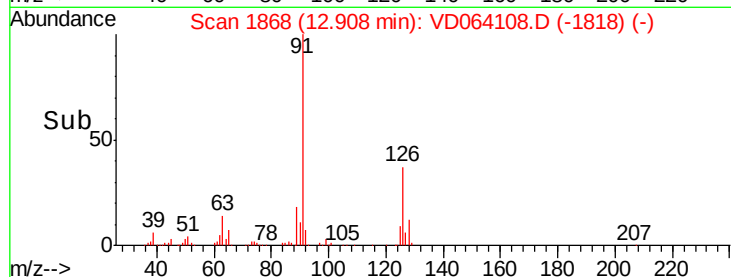
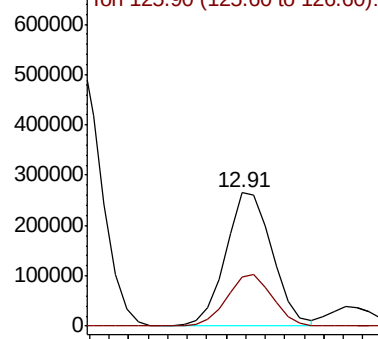
#79
 2-Chlorotoluene
 Concen: 51.913 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 438584
 Ion Ratio Lower Upper
 91 100
 126 37.8 19.1 57.1

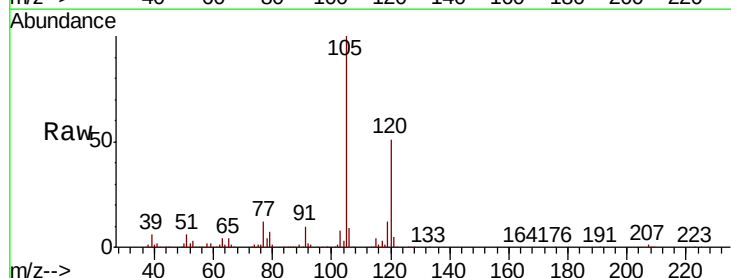


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

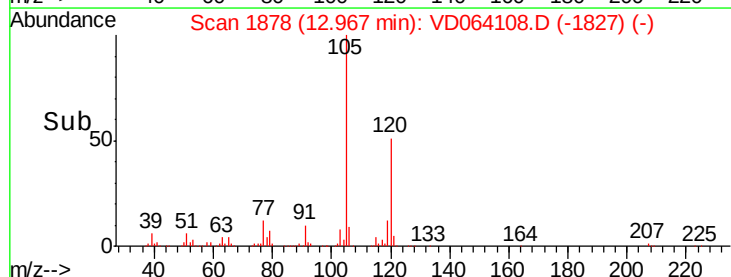
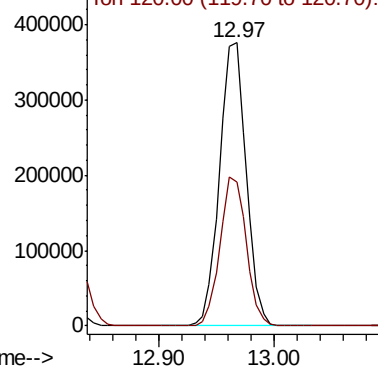


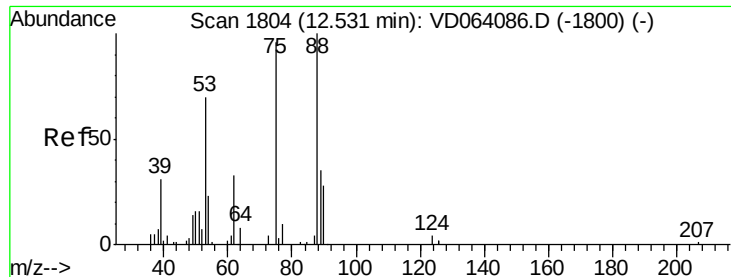
#80
 1,3,5-Trimethylbenzene
 Concen: 53.636 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion: 105 Resp: 603706
 Ion Ratio Lower Upper
 105 100
 120 52.1 25.8 77.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.616 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

ClientSampleId :

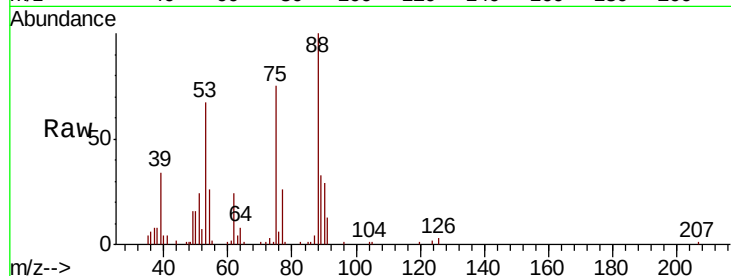
Tot Ion: 75 Resp: 32231

Ion Ratio Lower Upper

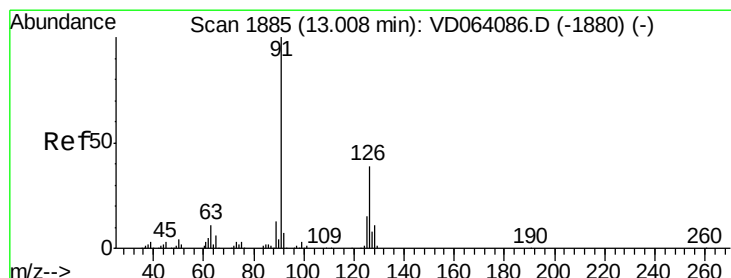
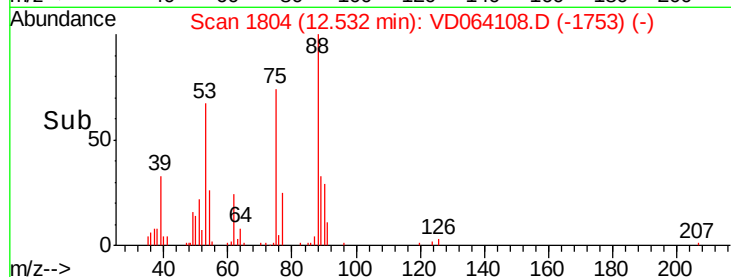
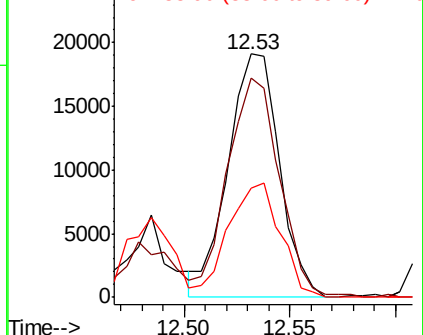
75 100

53 91.9 68.6 103.0

89 47.7 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.841 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064108.D

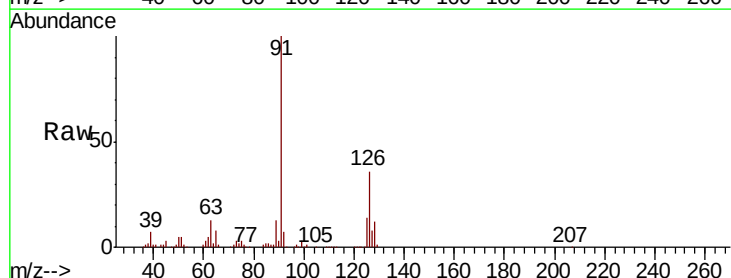
Acq: 30 Oct 2019 11:45

Tgt Ion: 91 Resp: 477017

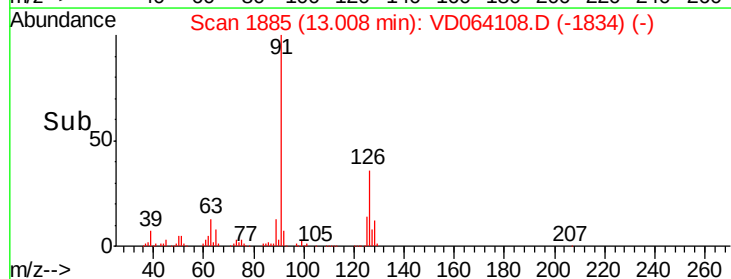
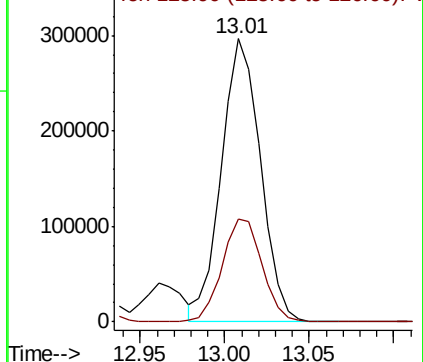
Ion Ratio Lower Upper

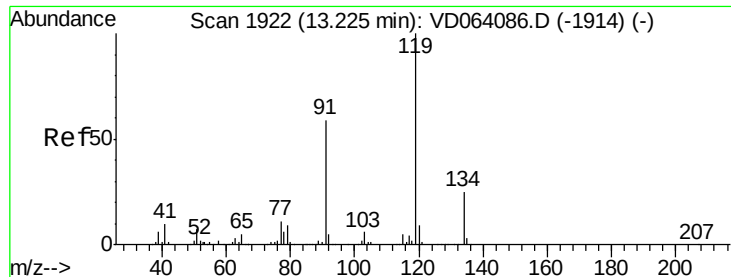
91 100

126 37.1 18.9 56.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

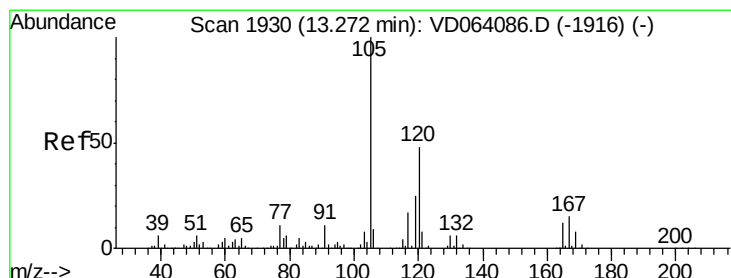
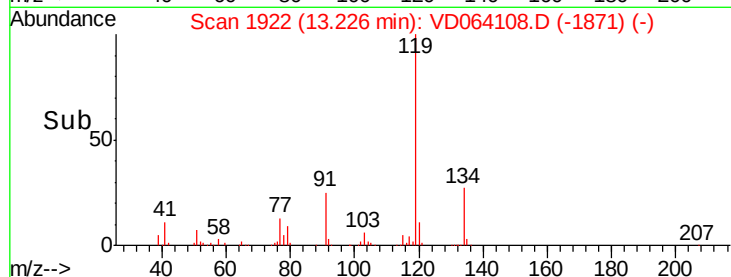
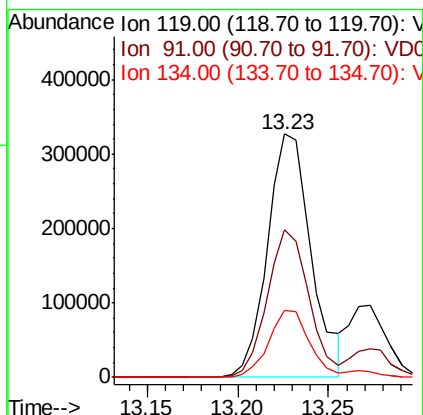
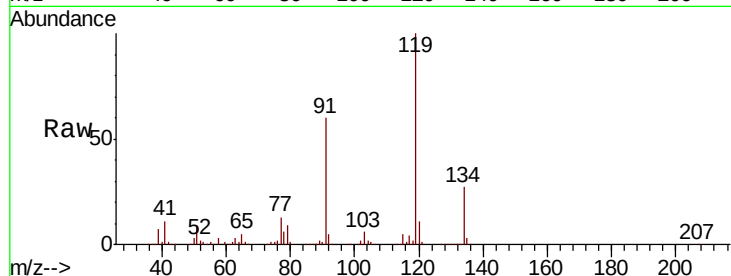




#83
tert-Butylbenzene
Concen: 54.314 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

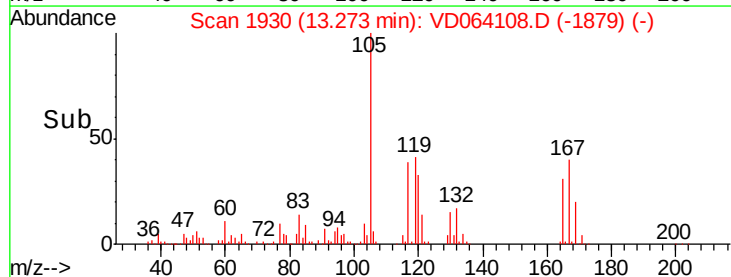
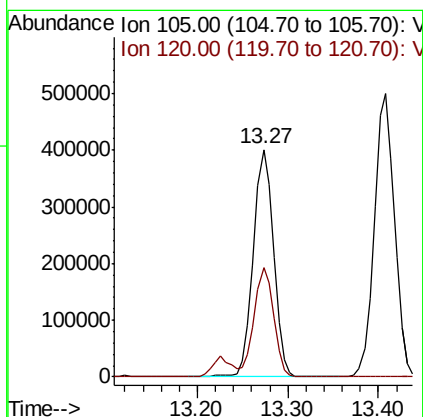
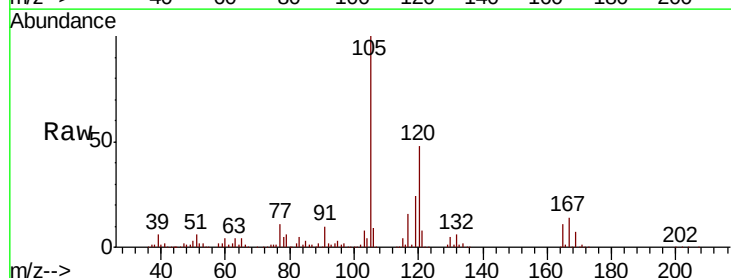
Instrument :
MSVOA_D
ClientSampleId :

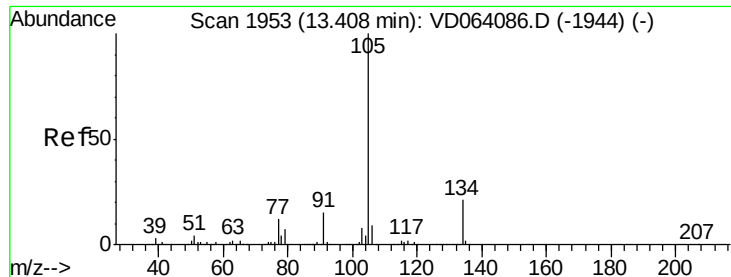
Tot Ion:119 Resp: 549093
Ion Ratio Lower Upper
119 100
91 57.7 28.3 85.0
134 27.6 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 55.059 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:105 Resp: 622553
Ion Ratio Lower Upper
105 100
120 46.7 24.1 72.4





#85

sec-Butylbenzene

Concen: 55.523 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

Instrument :

MSVOA_D

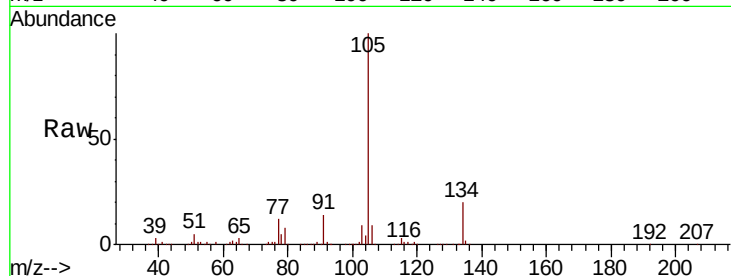
ClientSampleId :

Tot Ion:105 Resp: 770841

Ion Ratio Lower Upper

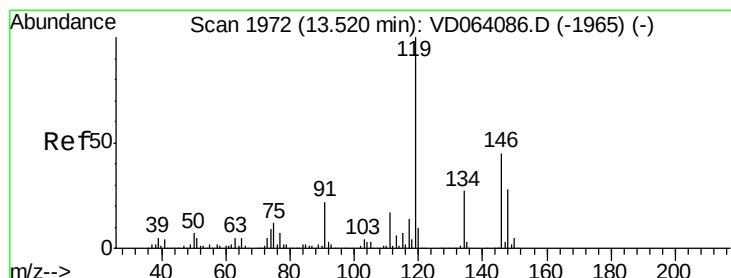
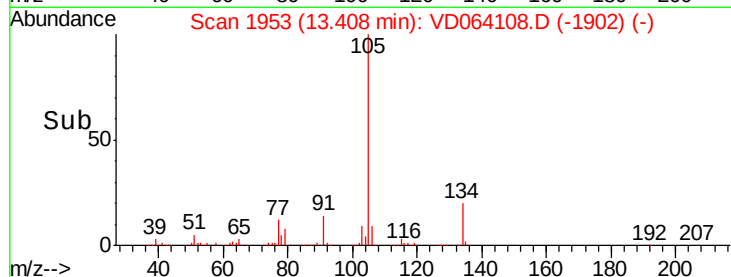
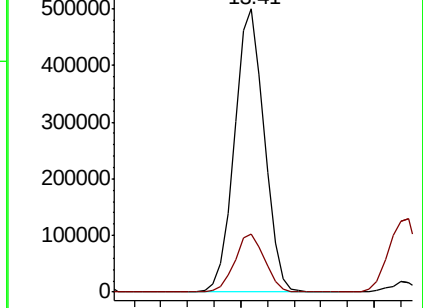
105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.991 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064108.D

Acq: 30 Oct 2019 11:45

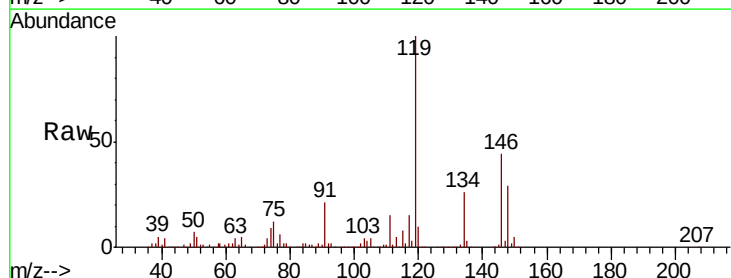
Tgt Ion:119 Resp: 730369

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

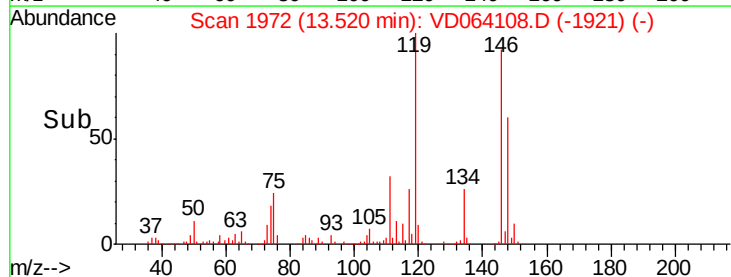
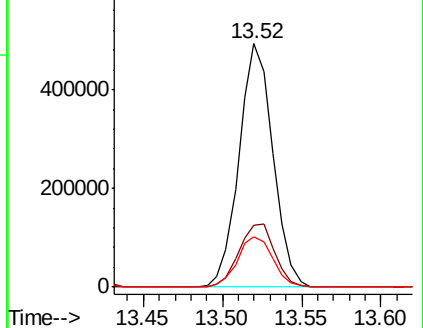
91 21.7 10.9 32.6

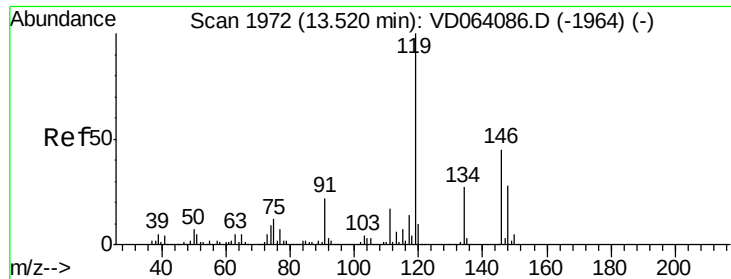


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

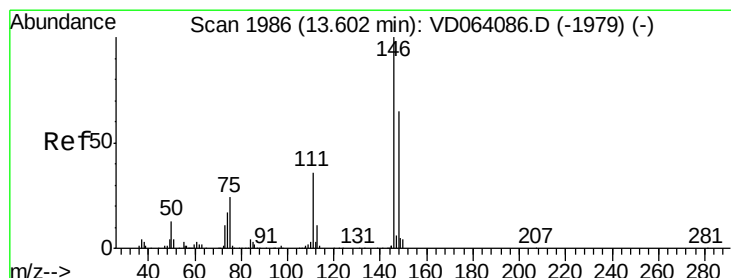
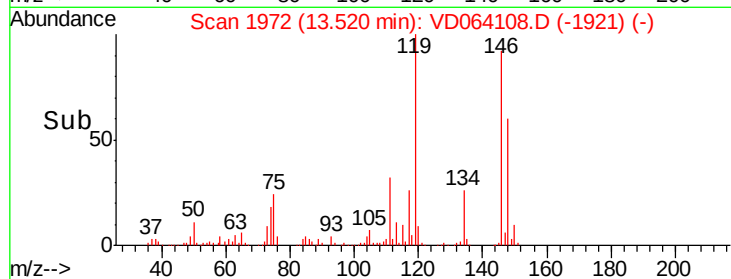
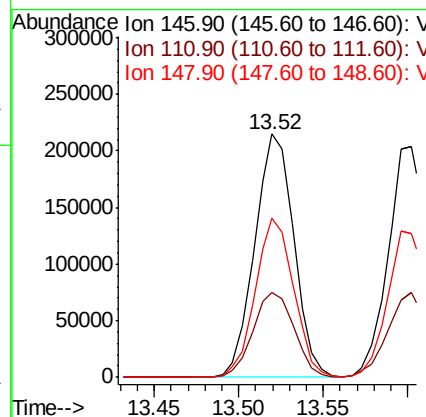
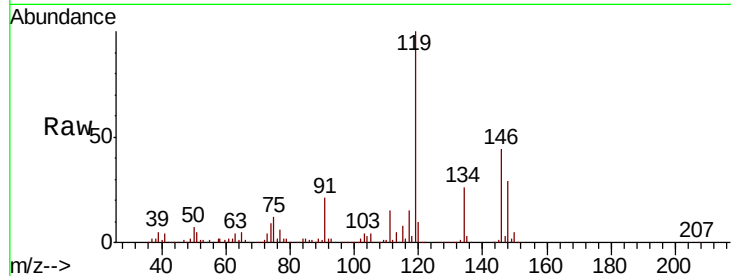




#87
 1,3-Dichlorobenzene
 Concen: 53.324 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

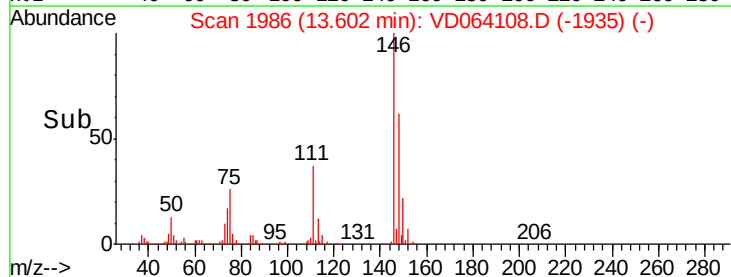
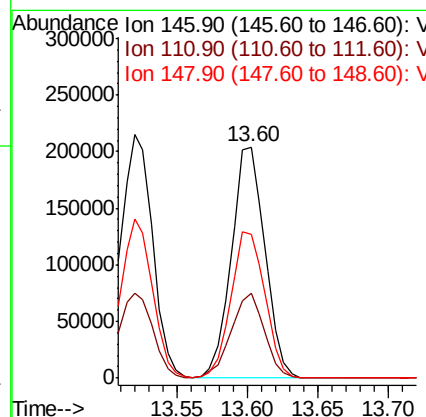
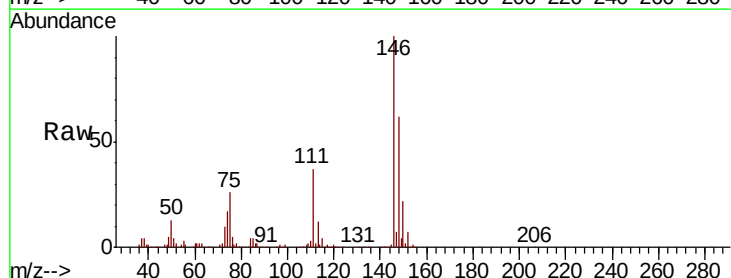
Instrument :
 MSVOA_D
 ClientSampleId :

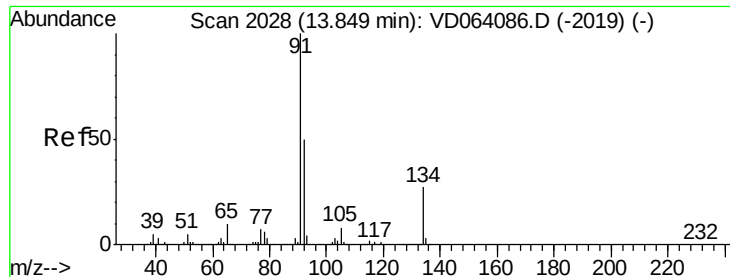
Tot Ion:146 Resp: 346993
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.9
 148 63.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.683 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion:146 Resp: 337943
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.4 55.4
 148 64.3 32.4 97.0

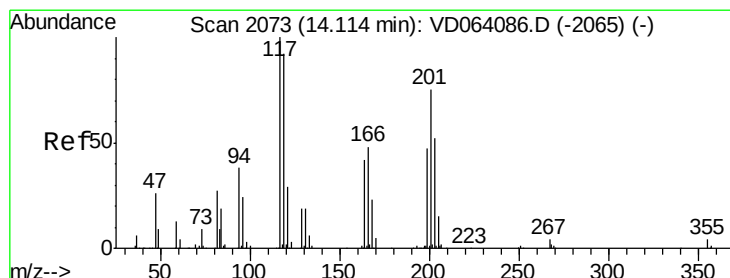
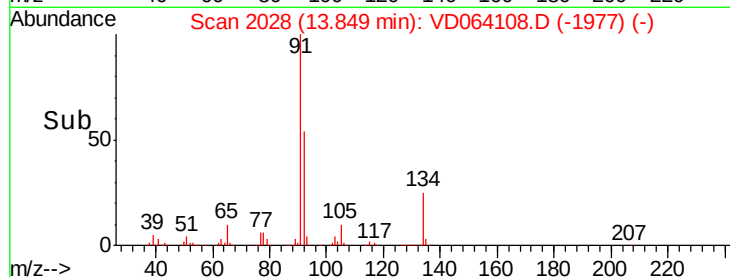
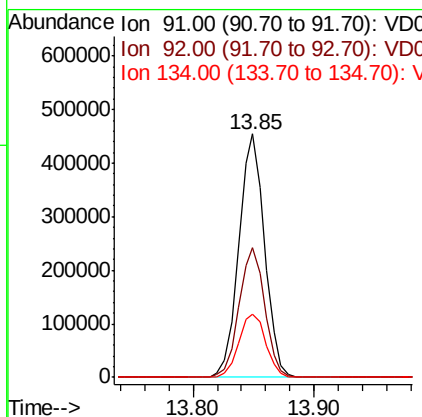
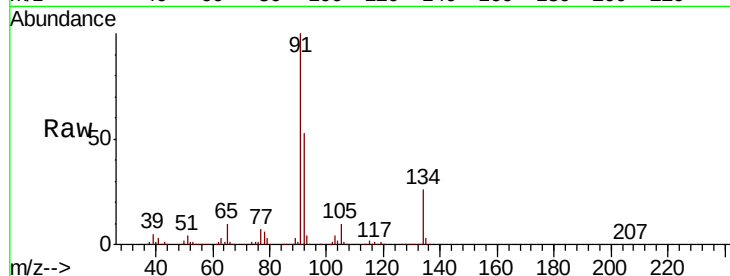




#89
n-Butylbenzene
Concen: 55.927 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

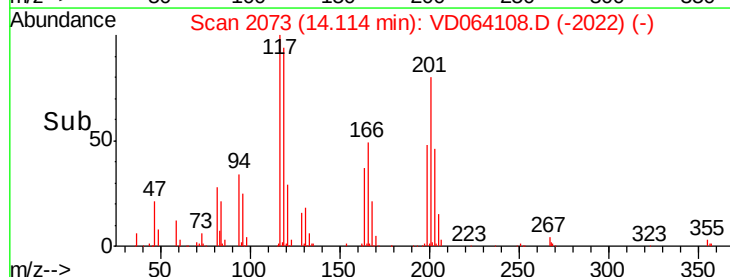
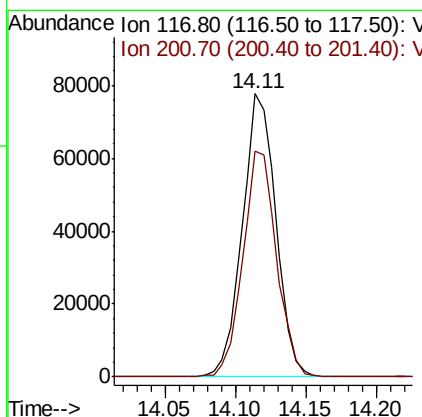
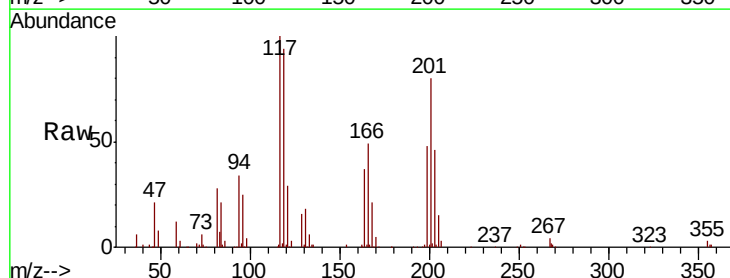
Instrument :
MSVOA_D
ClientSampleId :

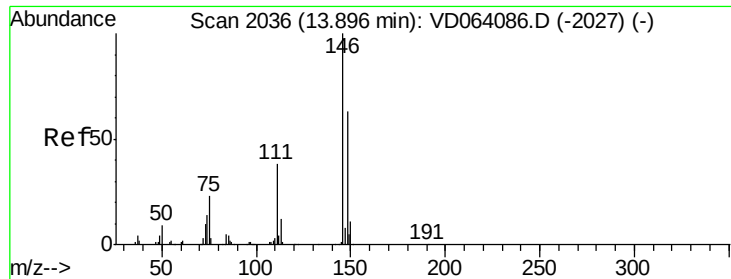
Tot Ion: 91 Resp: 672888
Ion Ratio Lower Upper
91 100
92 53.5 25.6 76.6
134 27.4 14.0 42.0



#90
Hexachloroethane
Concen: 52.967 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion: 117 Resp: 129356
Ion Ratio Lower Upper
117 100
201 79.9 38.4 115.2

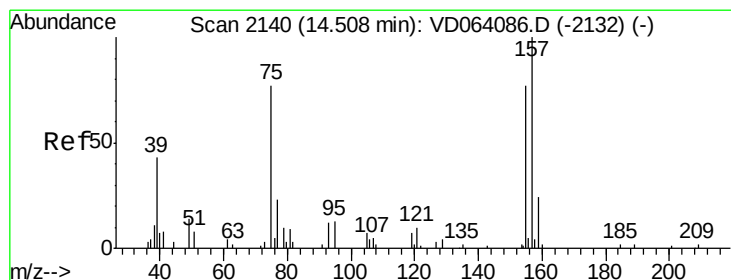
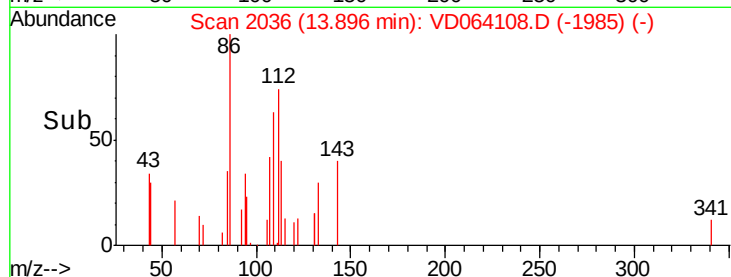
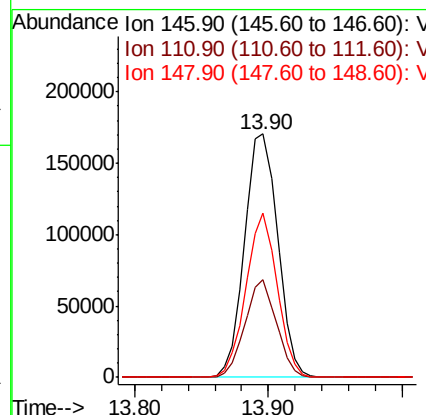
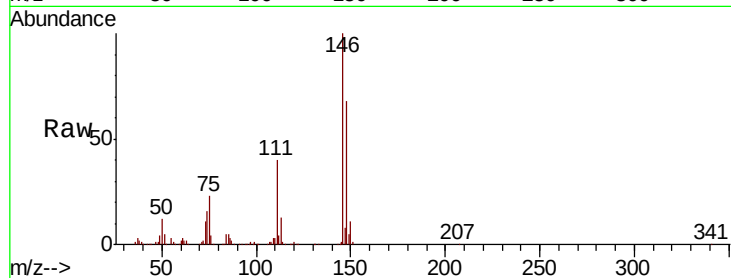




#91
 1,2-Dichlorobenzene
 Concen: 52.276 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

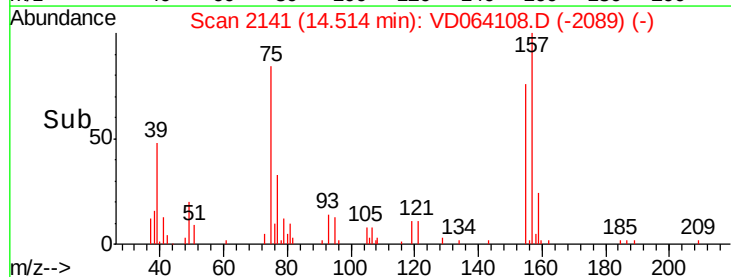
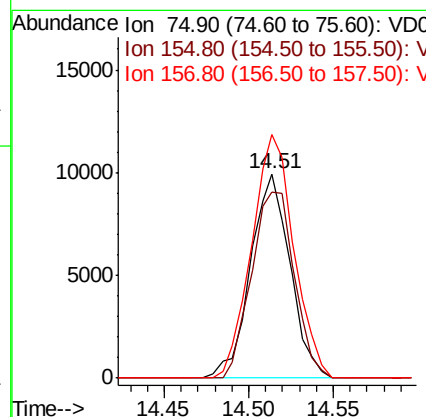
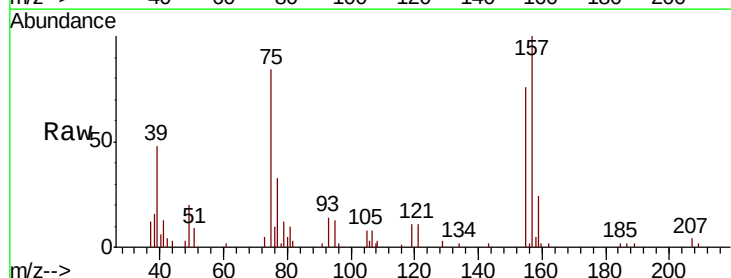
Instrument :
 MSVOA_D
 ClientSampleId :

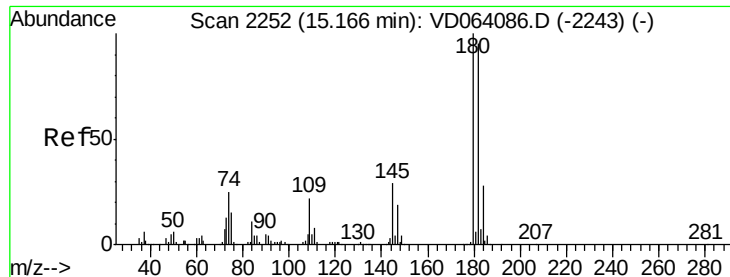
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.5	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.349 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	56.3	168.9
157	127.2	72.2	216.6

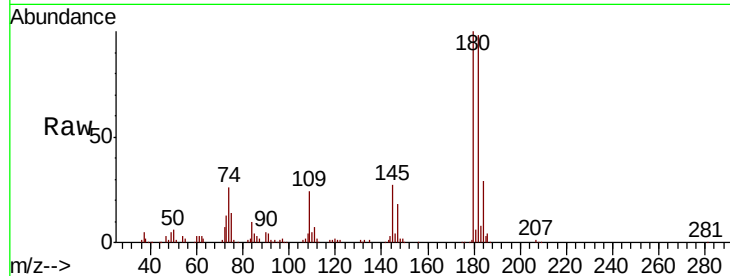




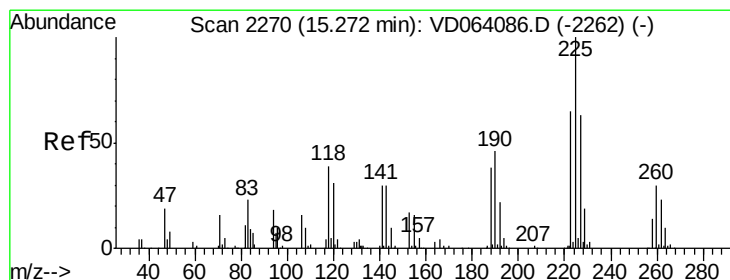
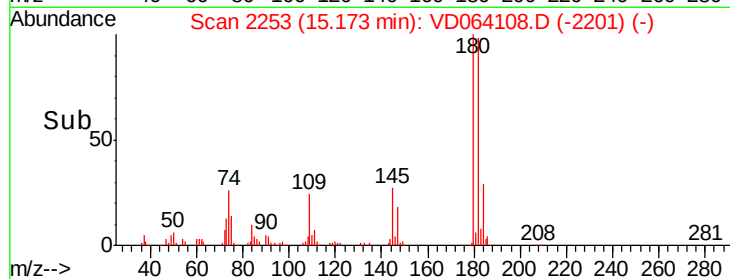
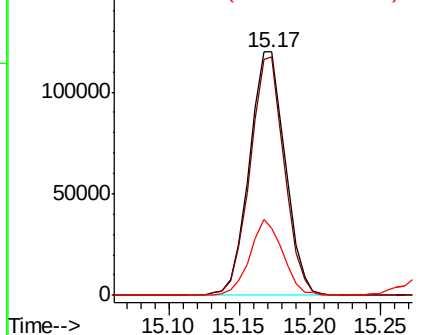
#93
 1,2,4-Trichlorobenzene
 Concen: 52.924 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.7
145	28.6	14.2	42.6

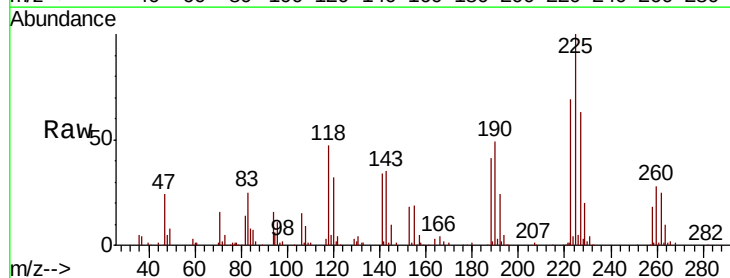


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

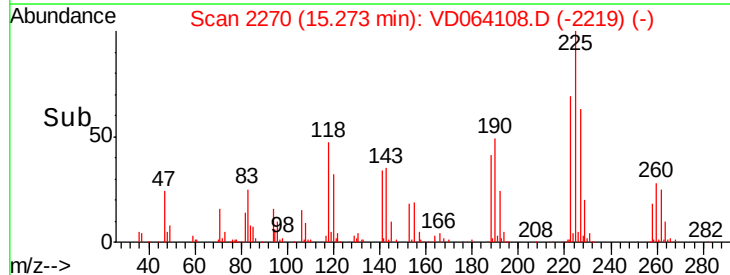
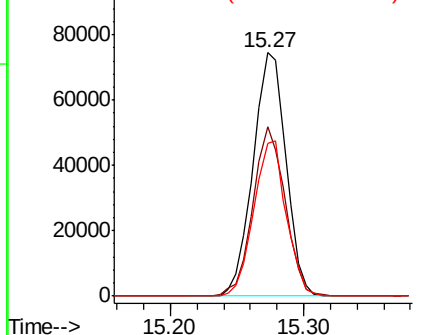


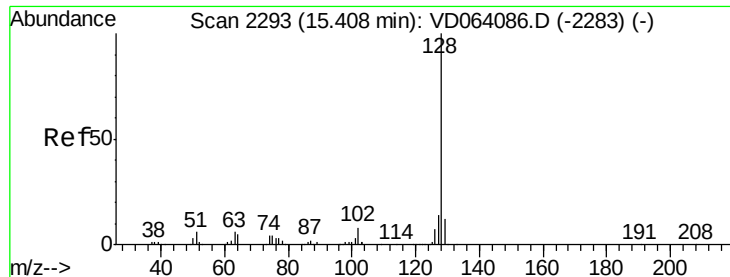
#94
 Hexachlorobutadiene
 Concen: 53.963 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064108.D
 Acq: 30 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.5	30.8	92.3
227	62.8	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

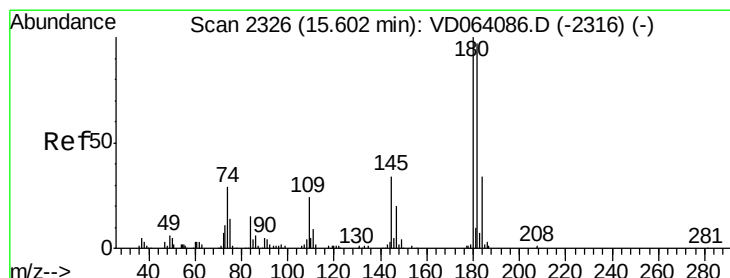
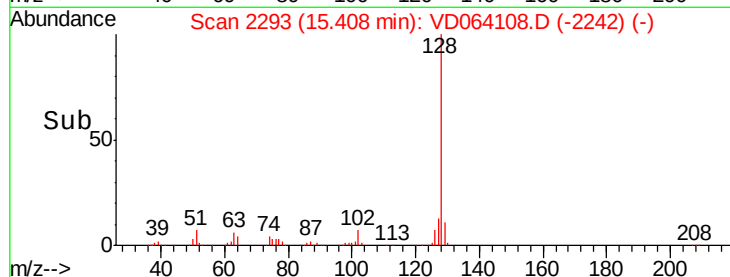
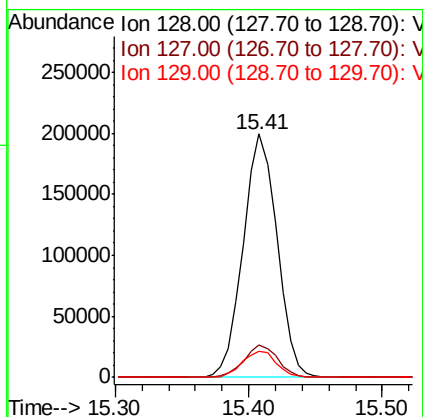
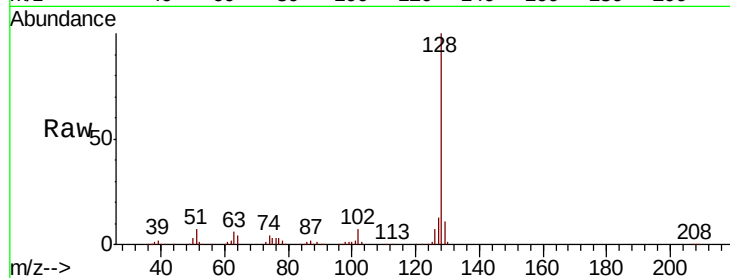




#95
Naphthalene
Concen: 53.353 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 350271
Ion Ratio Lower Upper
128 100
127 13.1 10.9 16.3
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.127 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064108.D
Acq: 30 Oct 2019 11:45

Tgt Ion:180 Resp: 185244
Ion Ratio Lower Upper
180 100
182 92.7 48.4 145.0
145 30.9 16.4 49.4

