

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064671.D
 Acq On : 30 Dec 2019 11:35
 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: Dec 31 07:06:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	550467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196699	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.91	113	197419	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	760945	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.64	95	239429	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155707	45.345	ug/l	98
3) Chloromethane	2.21	50	220313	45.875	ug/l	100
4) Vinyl Chloride	2.35	62	270406	46.180	ug/l	98
5) Bromomethane	2.77	94	188616	44.302	ug/l	94
6) Chloroethane	2.92	64	180303	45.955	ug/l	100
7) Trichlorofluoromethane	3.27	101	445729	45.209	ug/l	98
8) Diethyl Ether	3.70	74	85053	43.442	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	188055	46.056	ug/l	99
10) Methyl Iodide	4.29	142	214514	48.909	ug/l	99
11) Tert butyl alcohol	5.24	59	58244	260.840	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	179241	46.109	ug/l	98
13) Acrolein	3.92	56	76388	245.468	ug/l	99
14) Allyl chloride	4.70	41	290798	47.979	ug/l	99
15) Acrylonitrile	5.43	53	185157	227.045	ug/l	100
16) Acetone	4.16	43	237119	294.794	ug/l	94
17) Carbon Disulfide	4.40	76	569129	45.278	ug/l	100
18) Methyl Acetate	4.71	43	91336	41.639	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	392452	45.452	ug/l	98
20) Methylene Chloride	4.95	84	195139	48.860	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	207894	46.959	ug/l	97
22) Diisopropyl ether	6.36	45	564533	46.698	ug/l	99
23) Vinyl Acetate	6.30	43	1641335	239.345	ug/l	100
24) 1,1-Dichloroethane	6.26	63	343267	47.299	ug/l	98
25) 2-Butanone	7.22	43	257902	240.810	ug/l	99
26) 2,2-Dichloropropane	7.21	77	325875	48.295	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222765	46.624	ug/l	97
28) Bromochloromethane	7.54	49	136789	48.487	ug/l	99
29) Tetrahydrofuran	7.57	42	148628	223.160	ug/l	97
30) Chloroform	7.71	83	360327	47.323	ug/l	97
31) Cyclohexane	7.98	56	323339	44.508	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	338355	47.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	291677	48.182	ug/l	99
37) Ethyl Acetate	7.30	43	108741	45.725	ug/l	99
38) Carbon Tetrachloride	8.09	117	319947	49.566	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	353801	48.254	ug/l	97
40) Benzene	8.35	78	784256	47.457	ug/l	100
41) Methacrylonitrile	7.53	41	60607	43.924	ug/l	88
42) 1,2-Dichloroethane	8.43	62	227661	47.673	ug/l	98
43) Isopropyl Acetate	8.46	43	215353	45.495	ug/l	99
44) Trichloroethene	9.11	130	230938	47.570	ug/l	96
45) 1,2-Dichloropropane	9.38	63	189169	47.943	ug/l	96
46) Dibromomethane	9.47	93	98623	44.831	ug/l	96
47) Bromodichloromethane	9.66	83	276462	47.228	ug/l	97
48) Methyl methacrylate	9.46	41	100776	45.215	ug/l	93
49) 1,4-Dioxane	9.46	88	21828	860.523	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	526486	225.025	ug/l	99
52) Toluene	10.40	92	518455	47.819	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	257543	47.190	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	309764	48.135	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137725	46.455	ug/l	95
56) Ethyl methacrylate	10.66	69	167168	45.150	ug/l	99
57) 1,3-Dichloropropane	10.95	76	234392	45.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	328353	232.770	ug/l	99
59) 2-Hexanone	10.98	43	390451	245.878	ug/l	99
60) Dibromochloromethane	11.14	129	184928	45.107	ug/l	98
61) 1,2-Dibromoethane	11.25	107	132372	45.269	ug/l	99
64) Tetrachloroethene	10.87	164	197250	46.707	ug/l	98
65) Chlorobenzene	11.67	112	534561	46.789	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	202508	47.018	ug/l	100
67) Ethyl Benzene	11.75	91	984236	47.463	ug/l	99
68) m/p-Xylenes	11.86	106	754188	94.227	ug/l	97
69) o-Xylene	12.18	106	343677	47.538	ug/l	100
70) Styrene	12.20	104	603921	47.590	ug/l	99
71) Bromoform	12.37	173	113932	46.386	ug/l #	100
73) Isopropylbenzene	12.48	105	936896	49.532	ug/l	100
74) N-amyl acetate	12.30	43	198242	49.029	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	139500	46.948	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	186651	89.302	ug/l #	100
77) Bromobenzene	12.77	156	220936	47.537	ug/l	98
78) n-propylbenzene	12.83	91	1103042	49.987	ug/l	99
79) 2-Chlorotoluene	12.91	91	589316	48.615	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	765808	49.287	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50586	50.619	ug/l	96
82) 4-Chlorotoluene	13.01	91	619908	48.054	ug/l	99
83) tert-Butylbenzene	13.23	119	663676	49.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	762699	49.287	ug/l	97
85) sec-Butylbenzene	13.41	105	917987	49.635	ug/l	100
86) p-Isopropyltoluene	13.53	119	880141	49.769	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	428043	48.312	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	414598	47.634	ug/l	100
89) n-Butylbenzene	13.86	91	796274	50.000	ug/l	99
90) Hexachloroethane	14.12	117	163114	48.285	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	356306	47.162	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22826	47.387	ug/l	93

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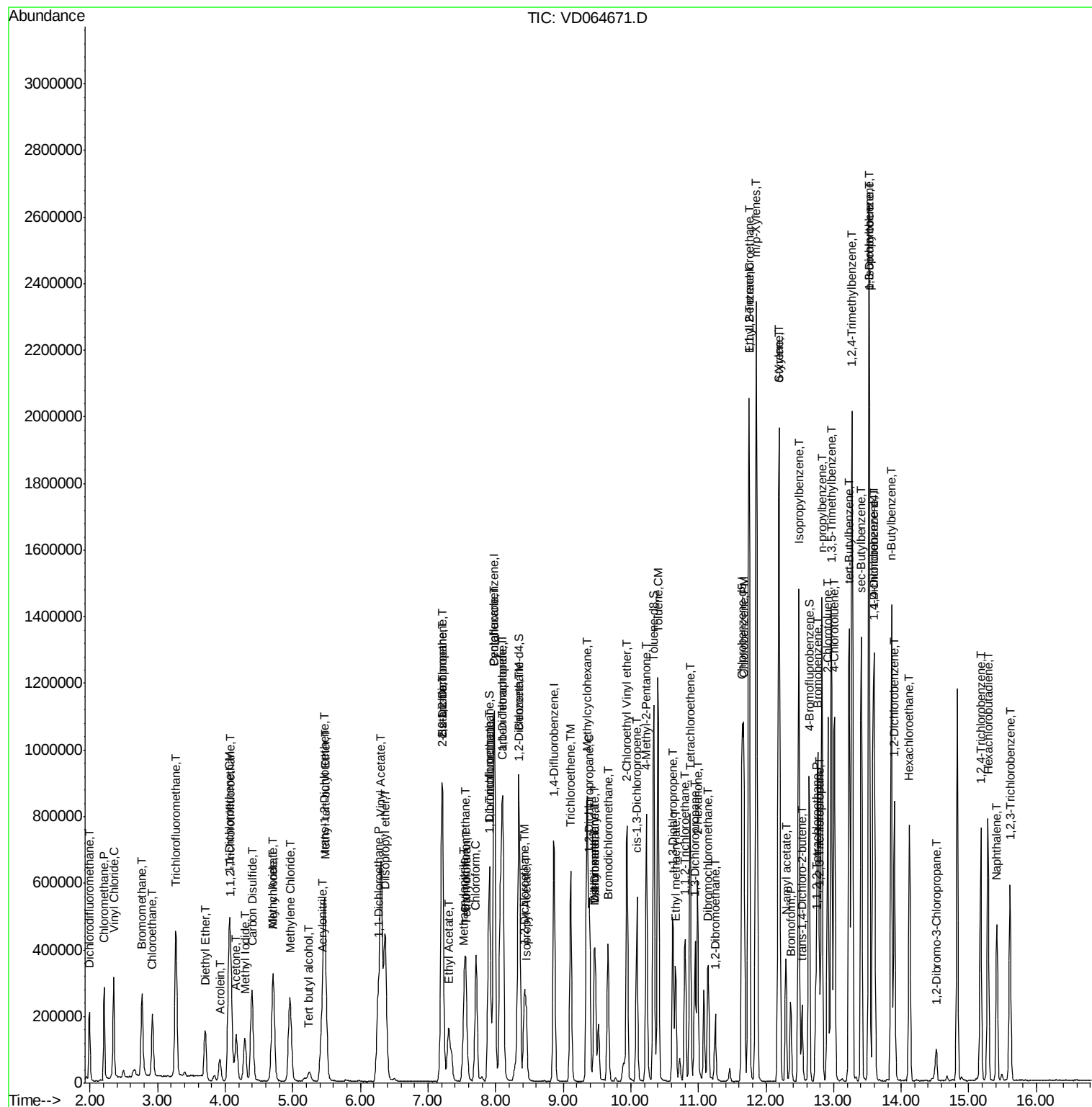
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	262022	47.102	ug/l	98
94) Hexachlorobutadiene	15.28	225	164116	46.883	ug/l	98
95) Naphthalene	15.41	128	403012	45.795	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	219570	46.235	ug/l	99

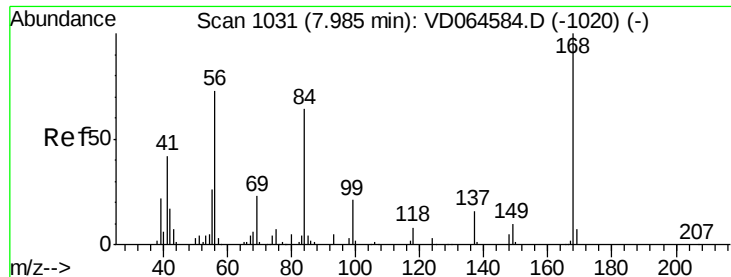
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

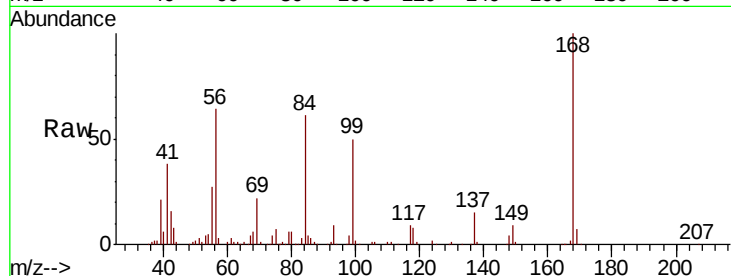
ClientSampleId :

Tot Ion:168 Resp: 441854

Ion Ratio Lower Upper

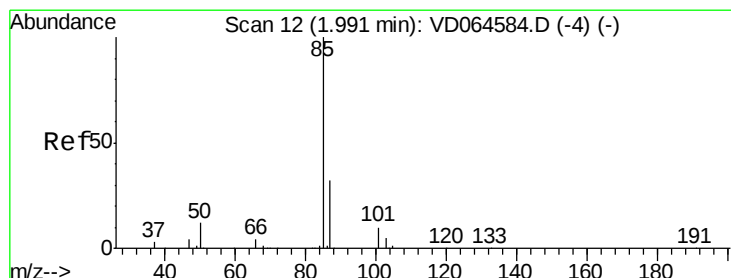
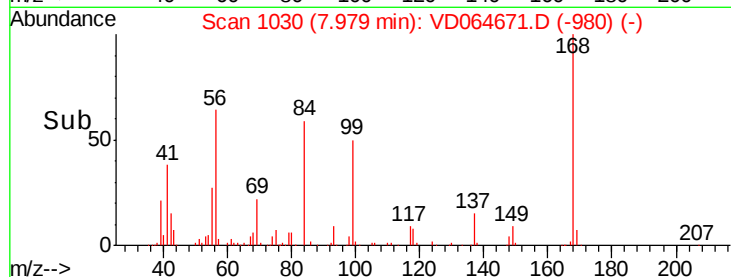
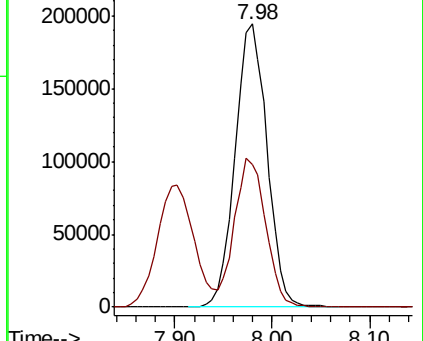
168 100

99 50.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.345 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064671.D

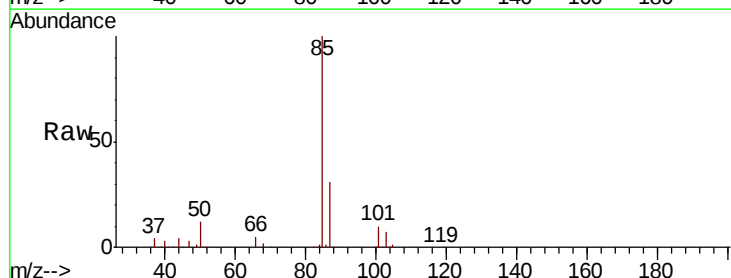
Acq: 30 Dec 2019 11:35

Tgt Ion: 85 Resp: 155707

Ion Ratio Lower Upper

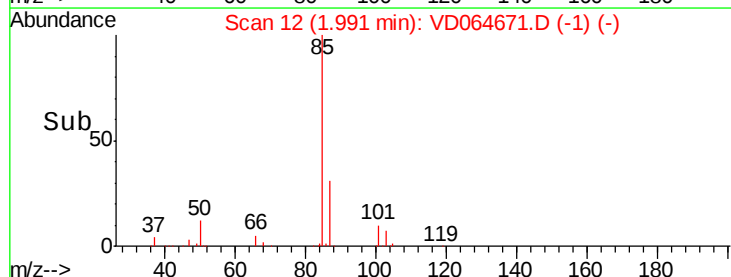
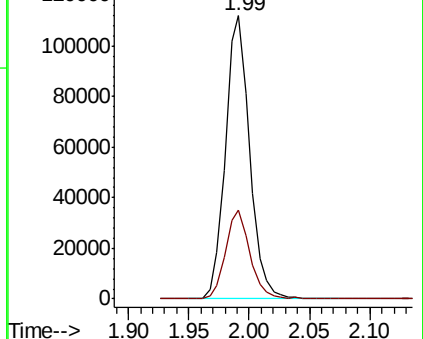
85 100

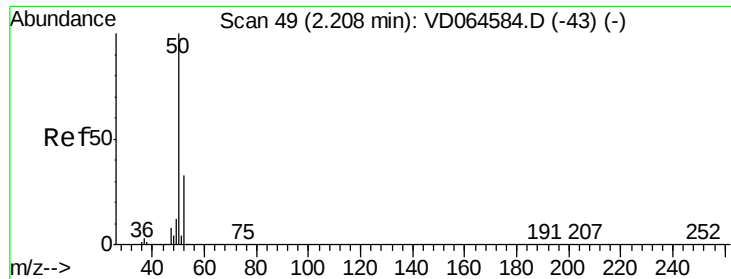
87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

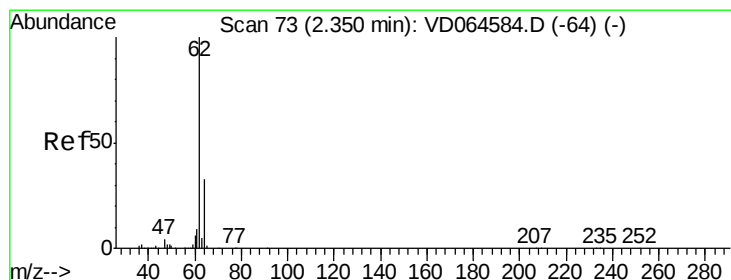
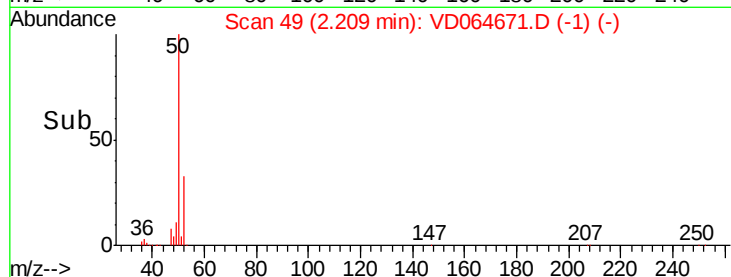
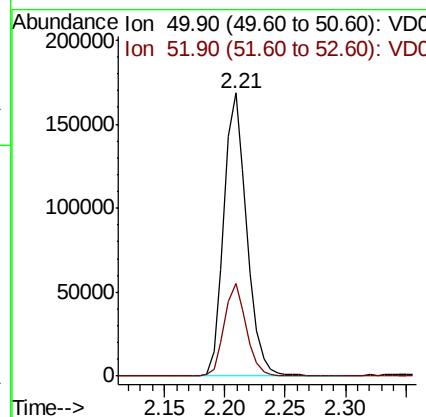
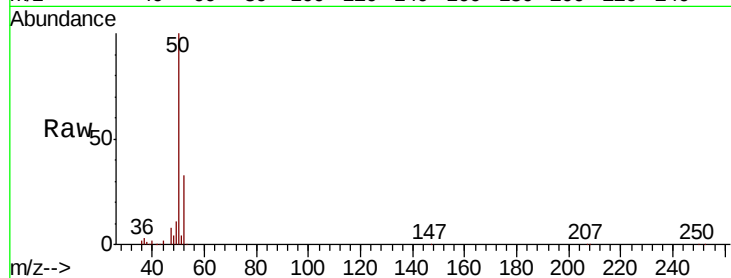
ClientSampleId :

Tot Ion: 50 Resp: 220313

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 46.180 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064671.D

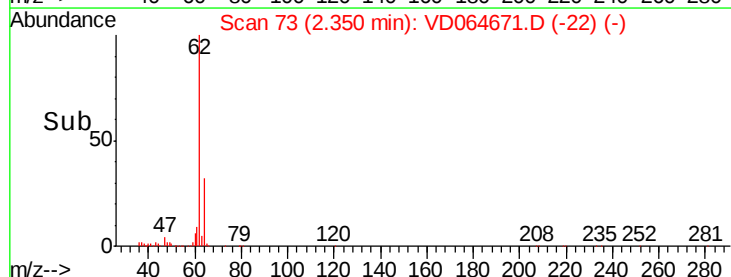
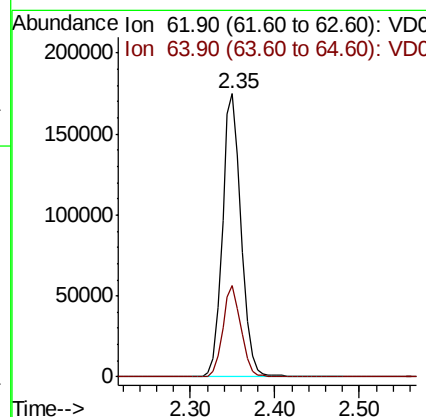
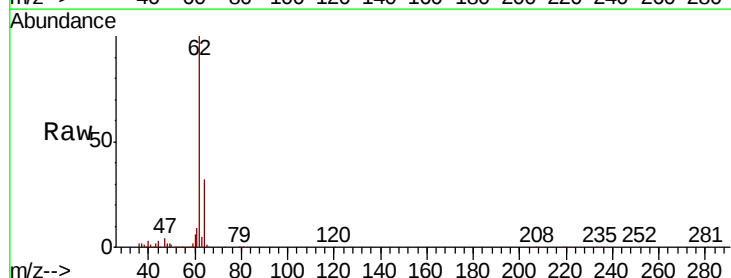
Acq: 30 Dec 2019 11:35

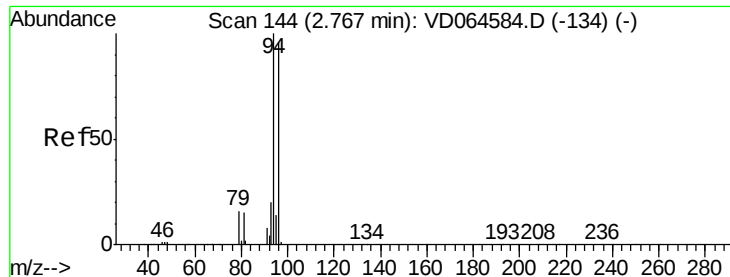
Tgt Ion: 62 Resp: 270406

Ion Ratio Lower Upper

62 100

64 32.2 26.6 40.0





#5

Bromomethane

Concen: 44.302 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

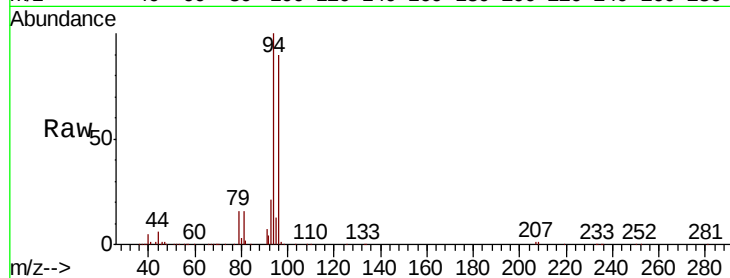
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 188616

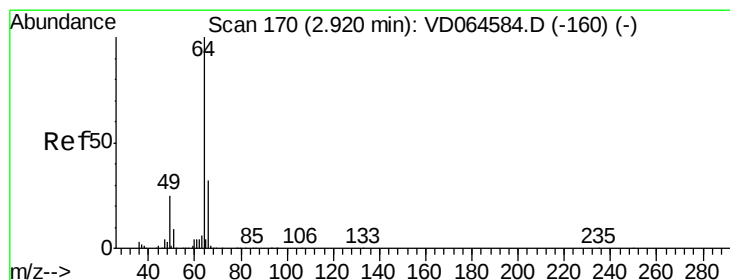
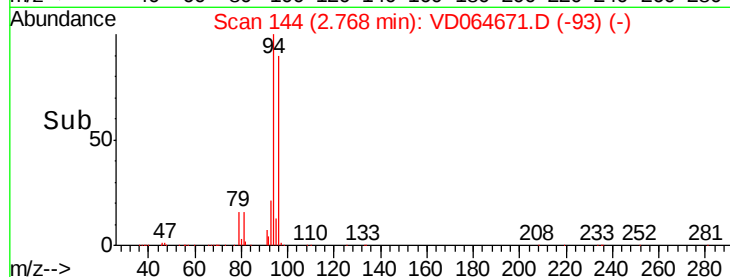
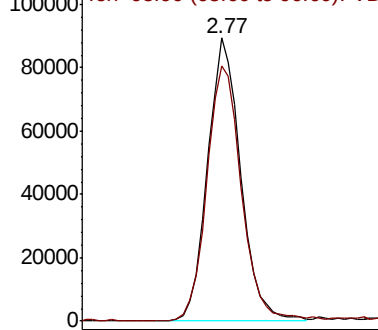
Ion Ratio Lower Upper

94 100

96 90.3 77.2 115.8



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



#6

Chloroethane

Concen: 45.955 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064671.D

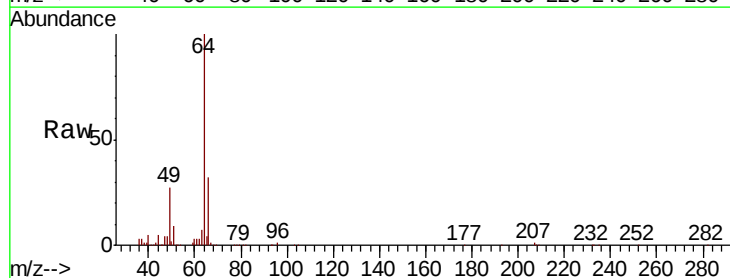
Acq: 30 Dec 2019 11:35

Tgt Ion: 64 Resp: 180303

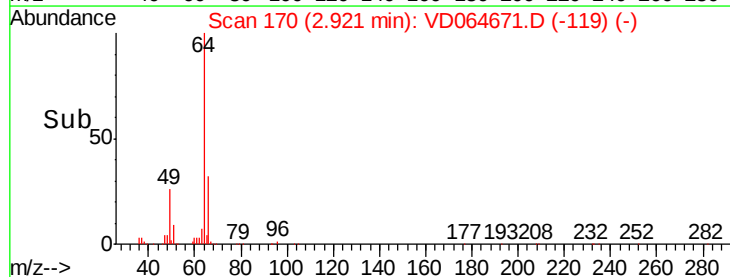
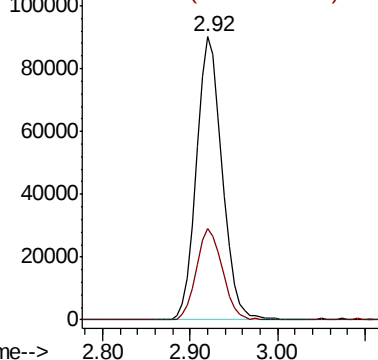
Ion Ratio Lower Upper

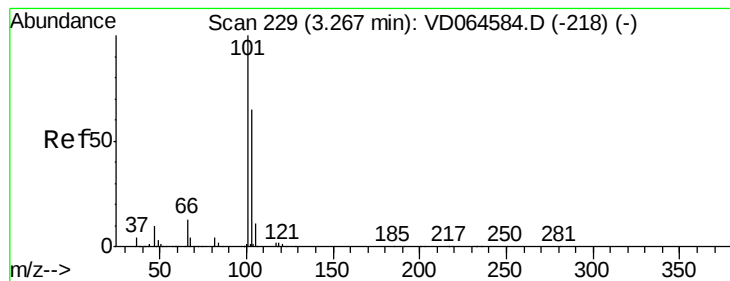
64 100

66 32.3 25.9 38.9



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



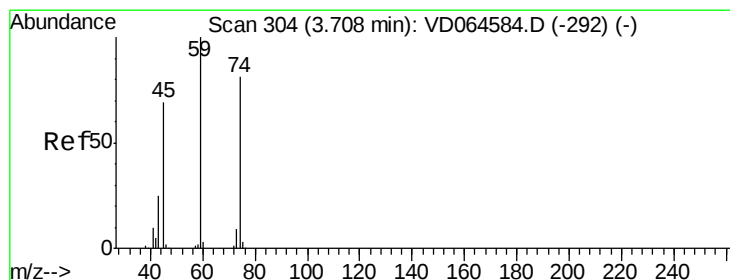
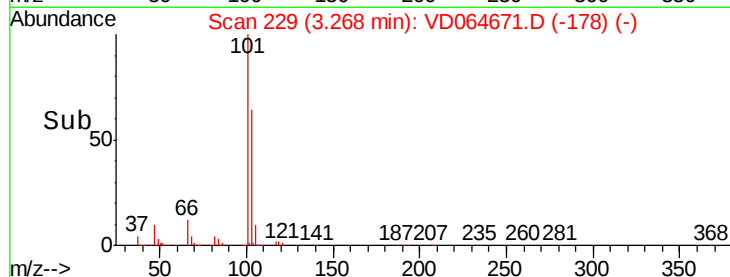
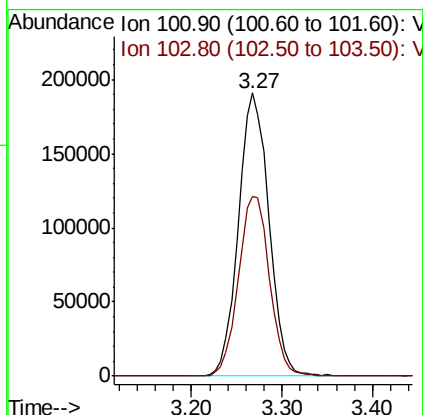
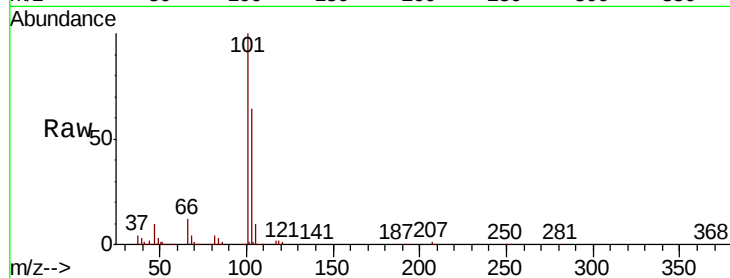


#7

Trichlorofluoromethane
 Concen: 45.209 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :

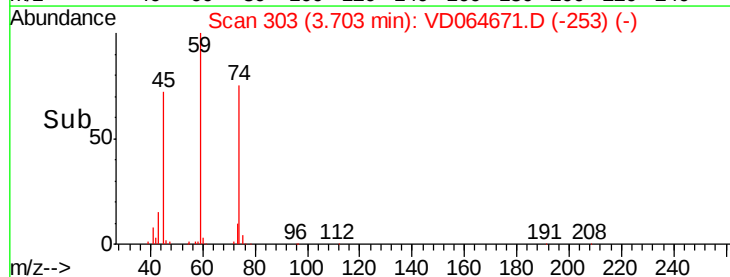
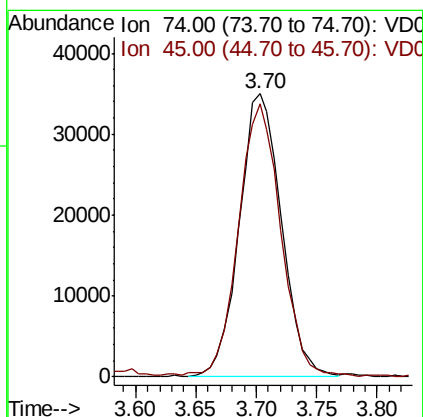
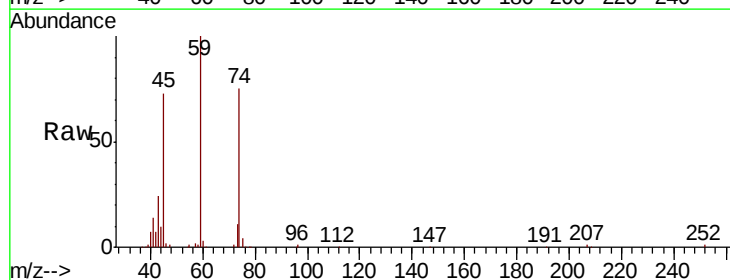
Tot Ion:101 Resp: 445729
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4



#8

Diethyl Ether
 Concen: 43.442 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion: 74 Resp: 85053
 Ion Ratio Lower Upper
 74 100
 45 97.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.056 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

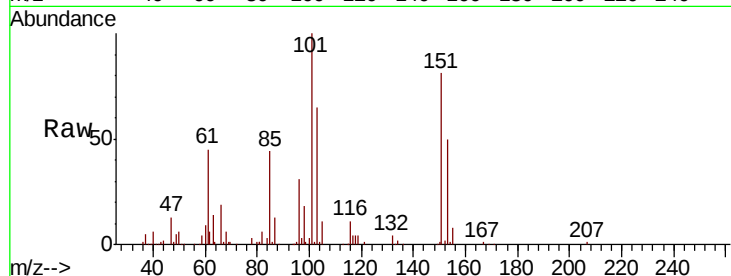
Tot Ion:101 Resp: 188055

Ion Ratio Lower Upper

101 100

85 44.2 35.2 52.8

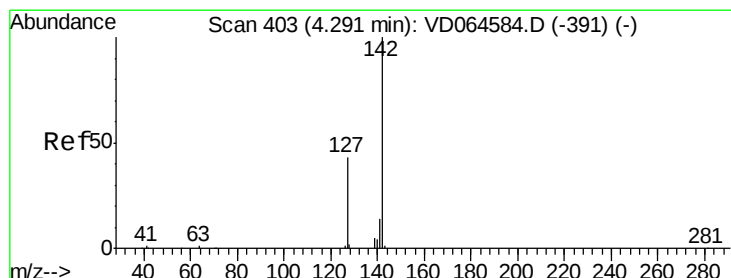
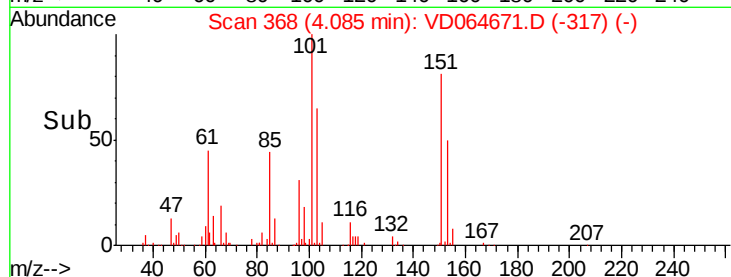
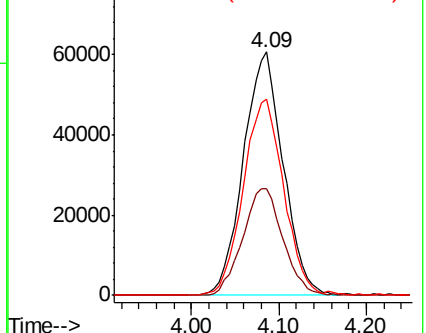
151 82.0 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.909 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

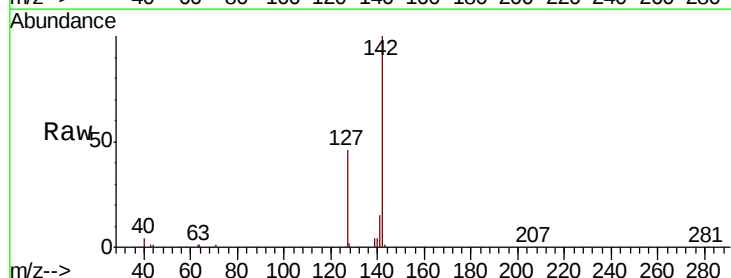
Tgt Ion:142 Resp: 214514

Ion Ratio Lower Upper

142 100

127 44.9 36.2 54.4

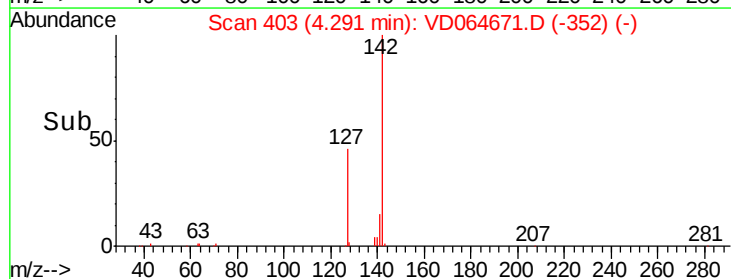
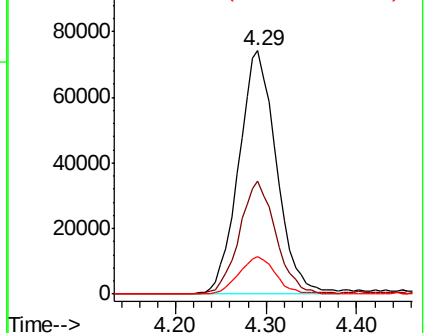
141 15.1 11.8 17.8

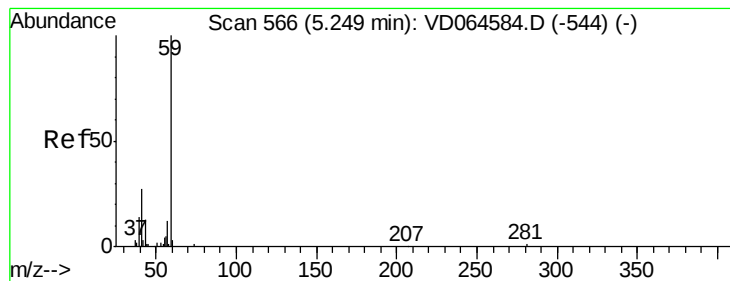


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



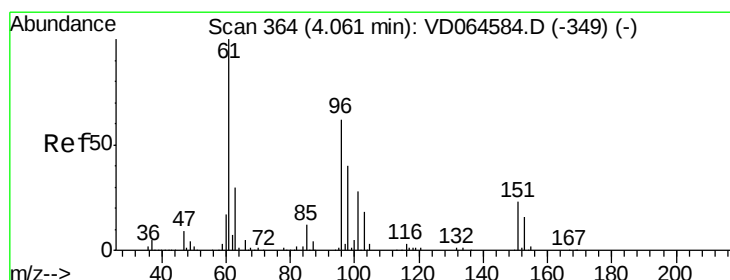
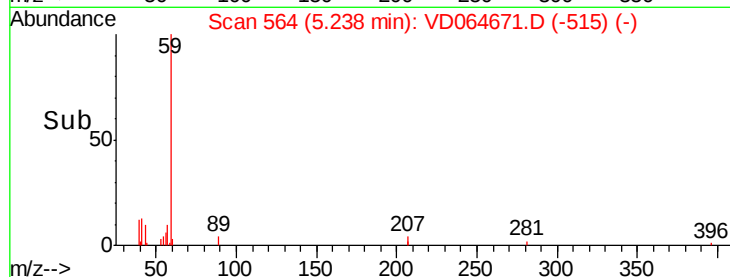
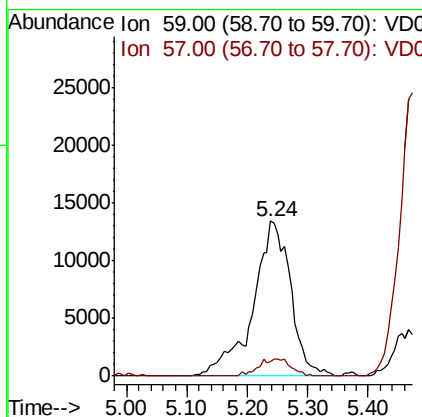
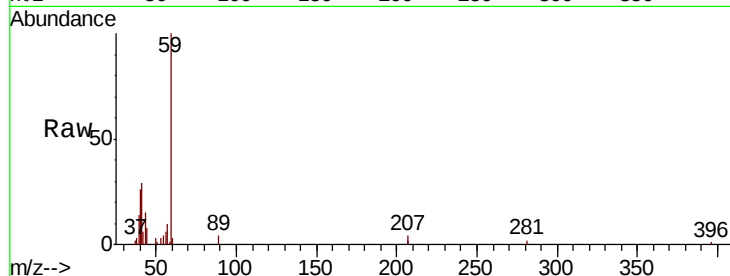


#11

Tert butyl alcohol
Concen: 260.840 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampled :

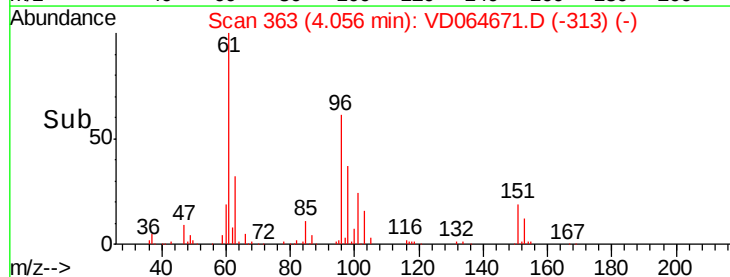
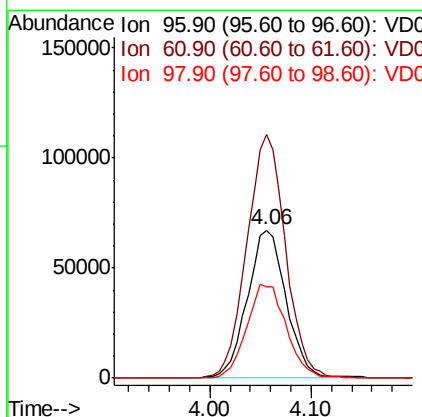
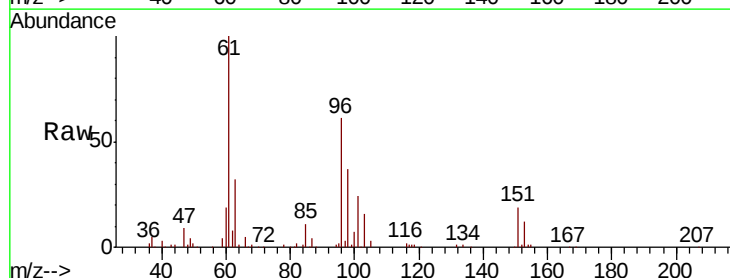
Tot Ion: 59 Resp: 58244
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

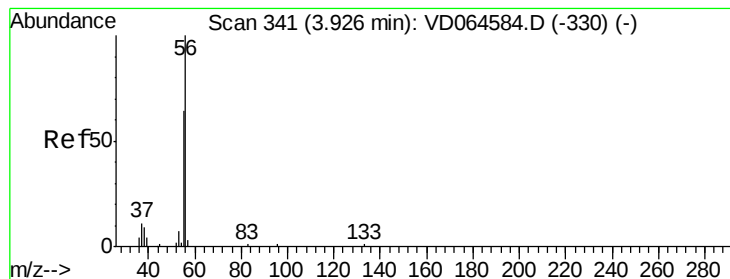


#12

1,1-Dichloroethene
Concen: 46.109 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 96 Resp: 179241
Ion Ratio Lower Upper
96 100
61 164.4 129.4 194.0
98 61.6 51.4 77.0





#13

Acrolein

Concen: 245.468 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

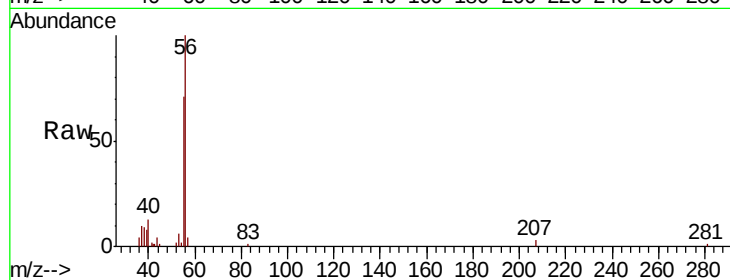
ClientSampleId :

Tot Ion: 56 Resp: 76388

Ion Ratio Lower Upper

56 100

55 70.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

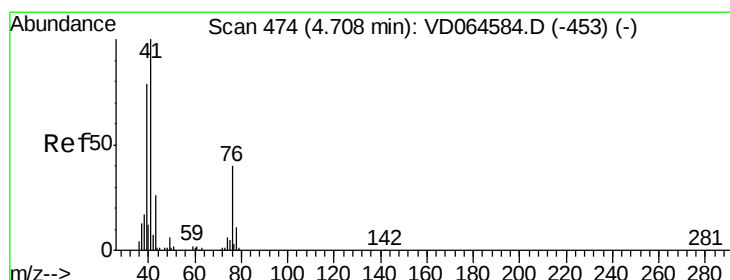
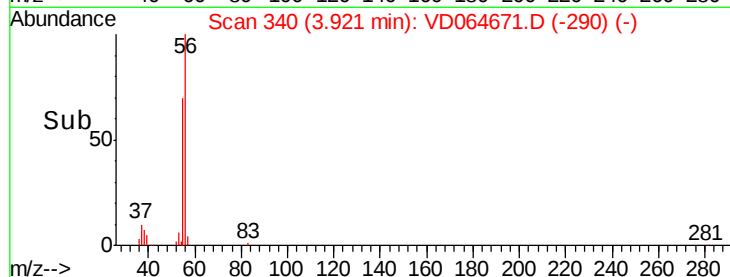
20000

10000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 47.979 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

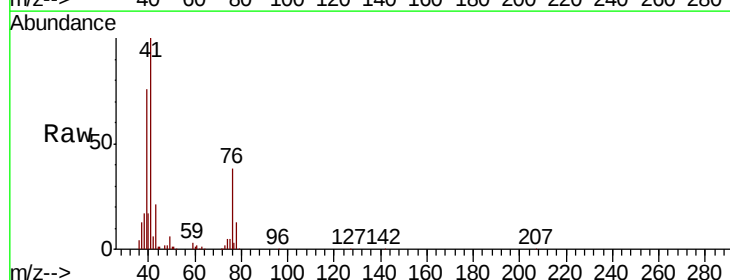
Tgt Ion: 41 Resp: 290798

Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

76 38.3 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

60000

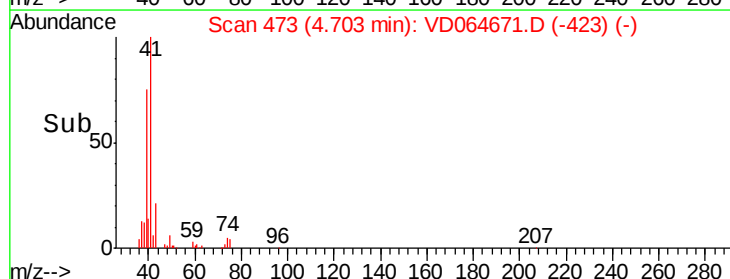
40000

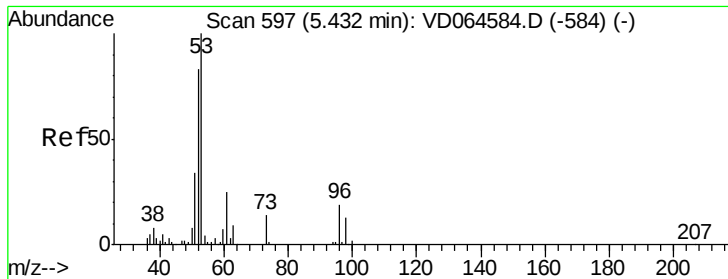
20000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 227.045 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

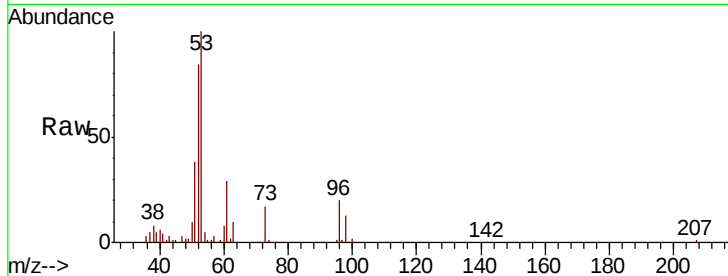
Tot Ion: 53 Resp: 185157

Ion Ratio Lower Upper

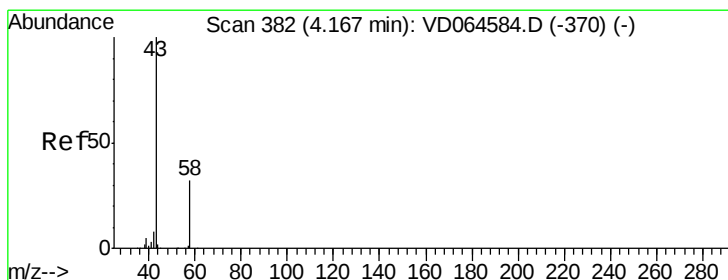
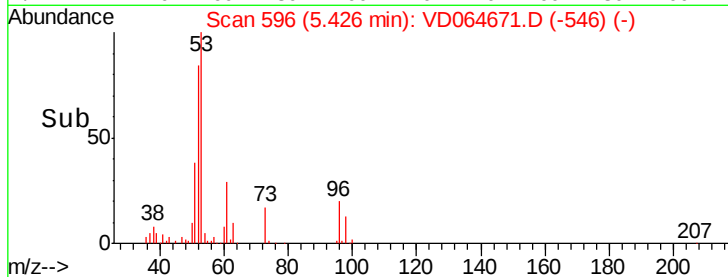
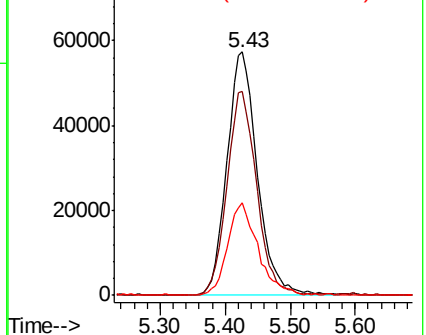
53 100

52 82.5 66.2 99.2

51 38.2 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 294.794 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064671.D

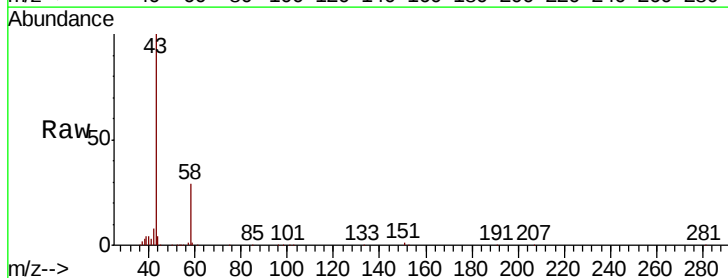
Acq: 30 Dec 2019 11:35

Tgt Ion: 43 Resp: 237119

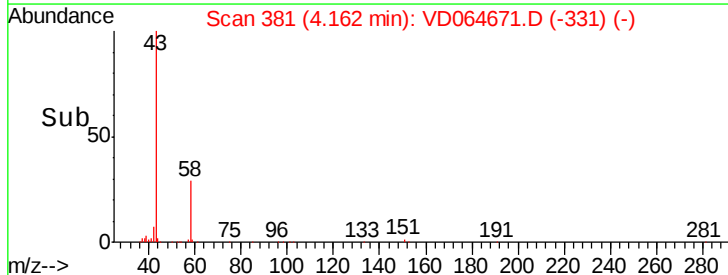
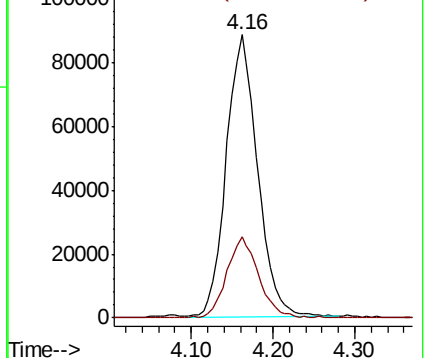
Ion Ratio Lower Upper

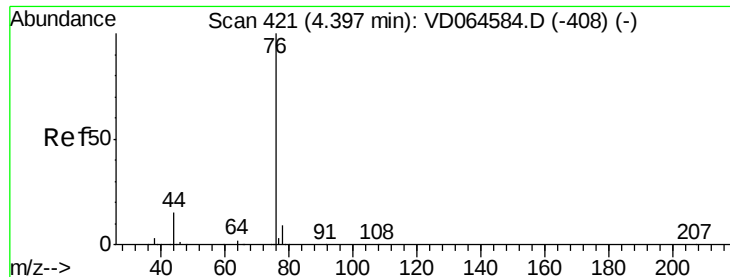
43 100

58 28.9 25.8 38.6



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

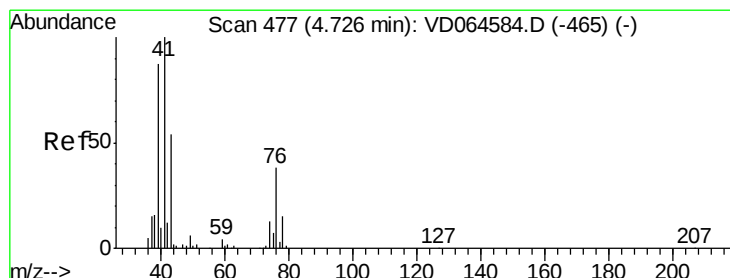
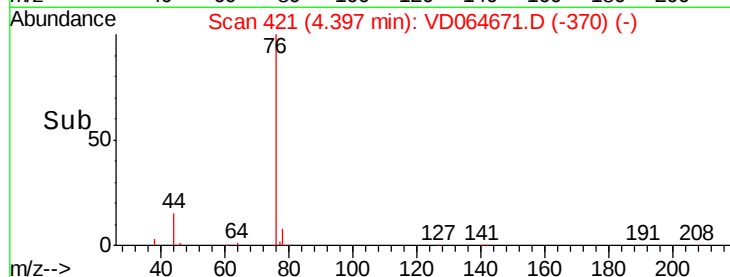
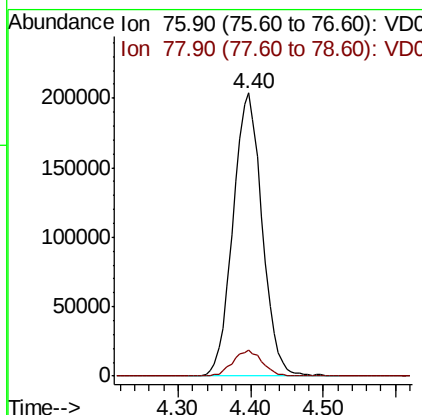
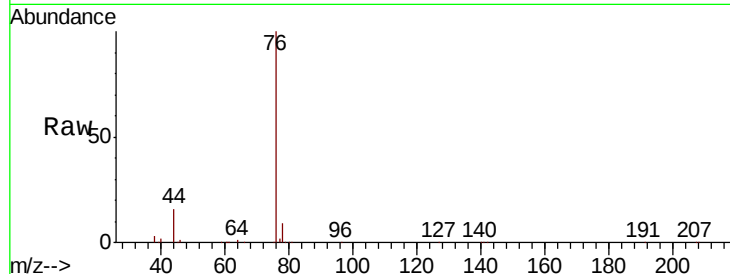




#17
Carbon Disulfide
Concen: 45.278 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

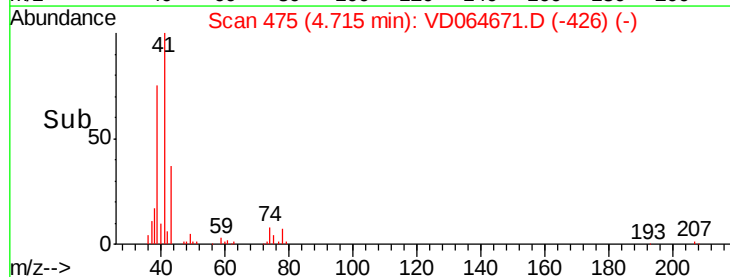
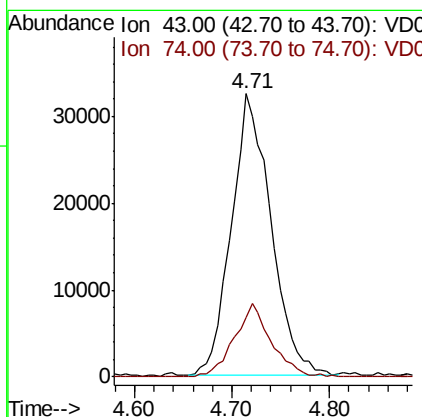
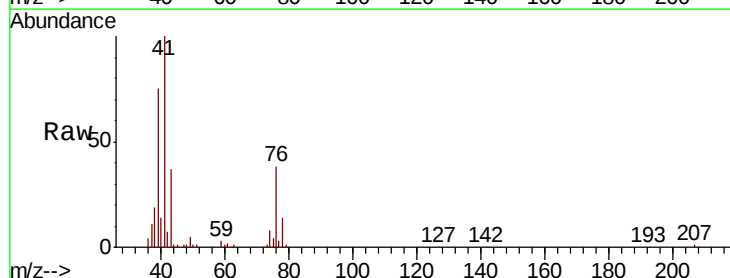
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 569129
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 41.639 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 43 Resp: 91336
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

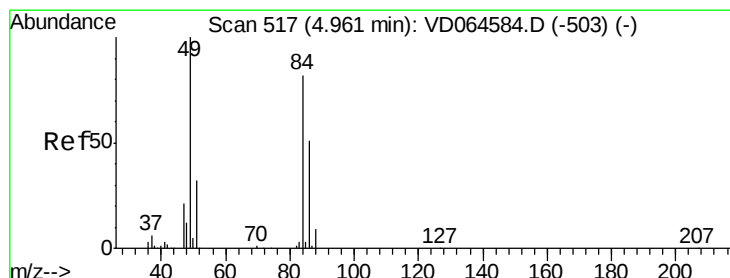
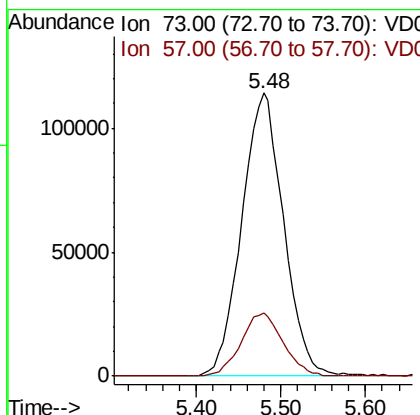
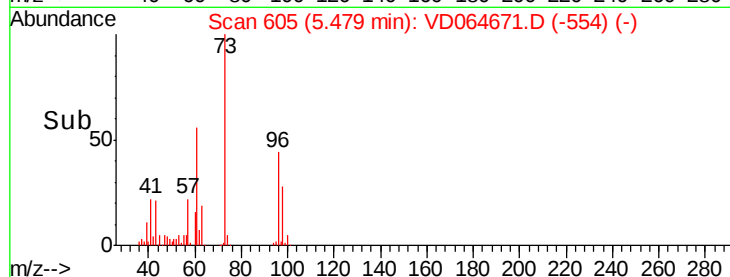
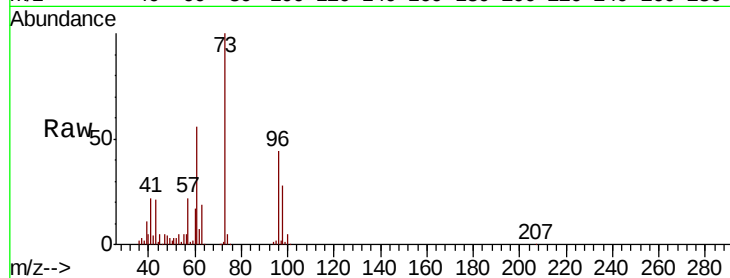




#19
Methvl tert-butvl Ether
Concen: 45.452 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

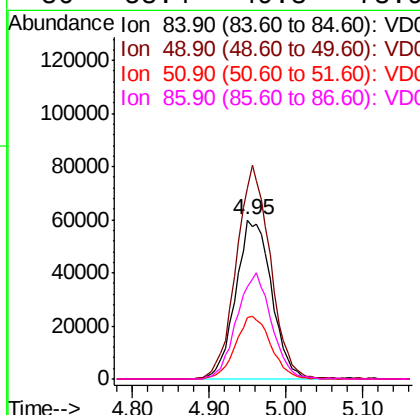
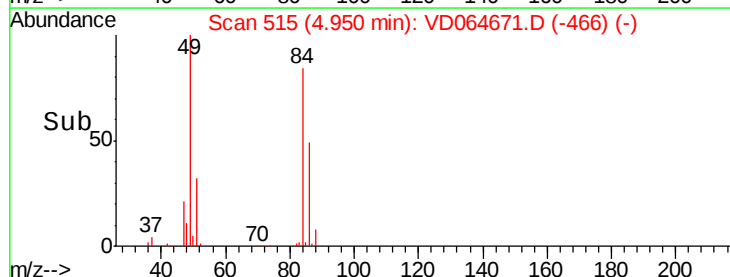
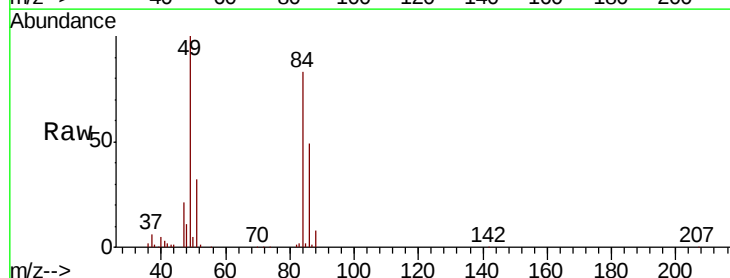
Instrument :
MSVOA_D
ClientSampleId :

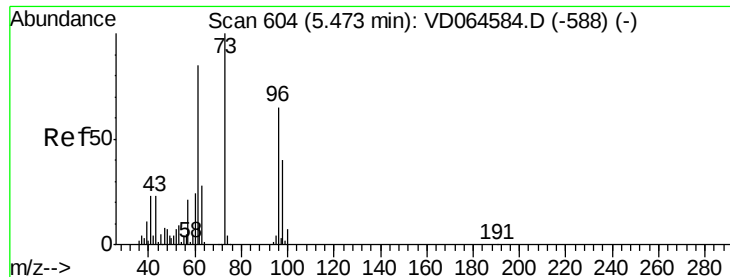
Tot Ion: 73 Resp: 392452
Ion Ratio Lower Upper
73 100
57 22.3 18.6 27.8



#20
Methylene Chloride
Concen: 48.860 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 84 Resp: 195139
Ion Ratio Lower Upper
84 100
49 120.0 97.2 145.8
51 38.5 31.4 47.0
86 58.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 46.959 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

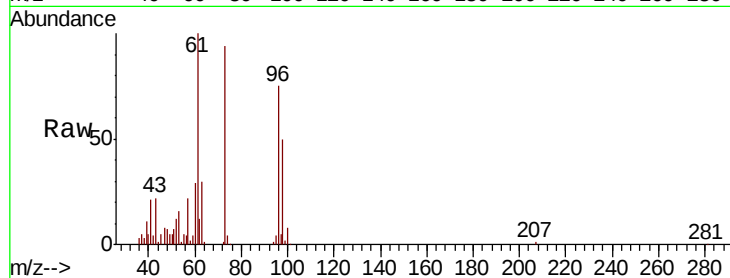
Tot Ion: 96 Resp: 207894

Ion Ratio Lower Upper

96 100

61 133.4 104.7 157.1

98 66.5 49.4 74.2

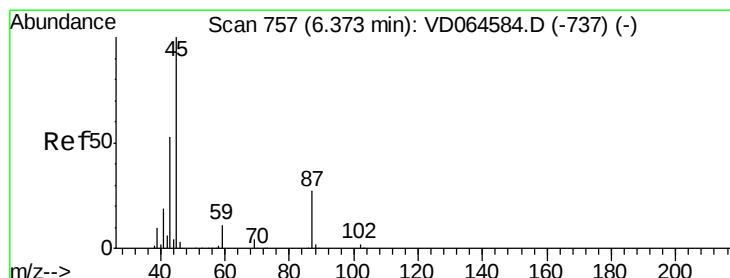
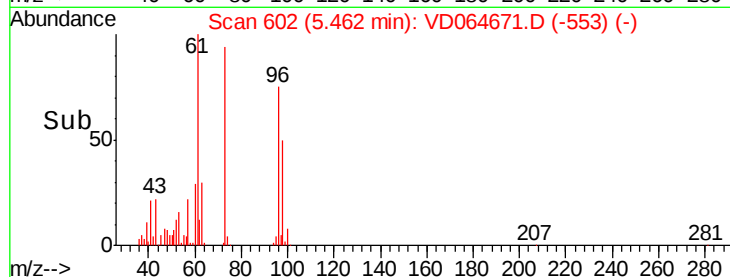
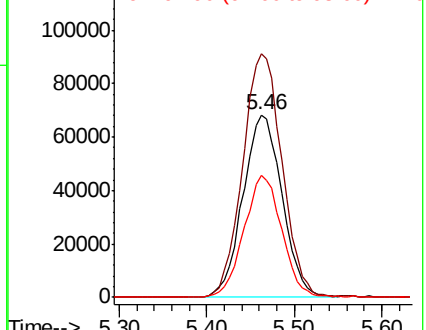


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 46.698 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion: 45 Resp: 564533

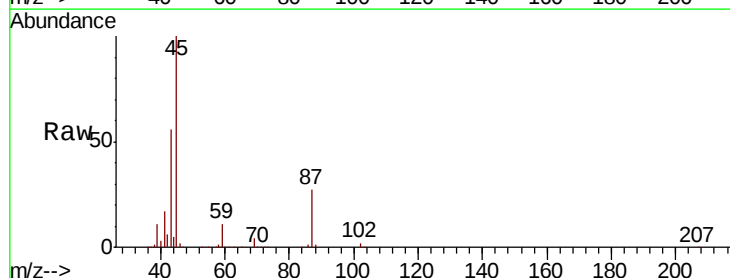
Ion Ratio Lower Upper

45 100

43 54.7 43.2 64.8

87 26.8 21.9 32.9

59 11.2 9.0 13.4



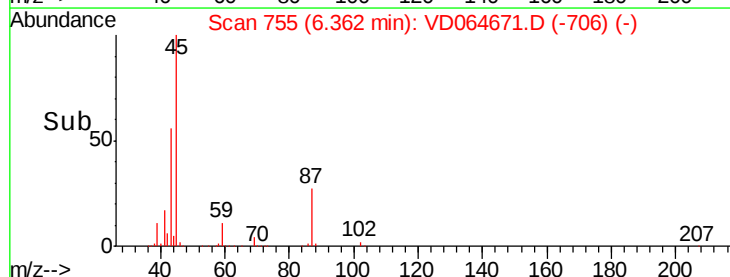
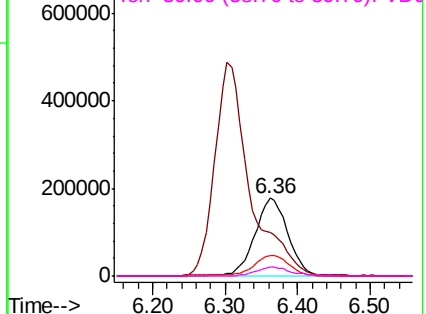
Abundance

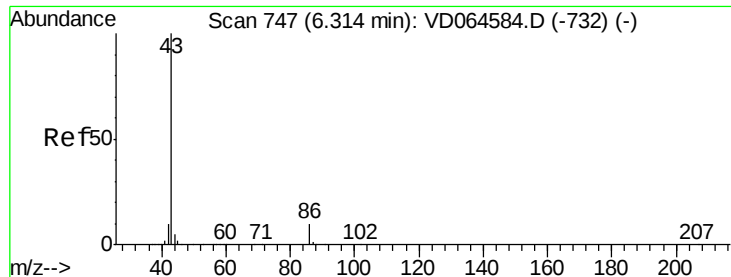
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 239.345 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

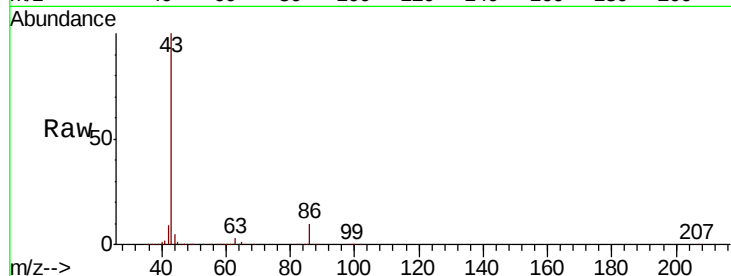
ClientSampled :

Tot Ion: 43 Resp: 1641335

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

500000

400000

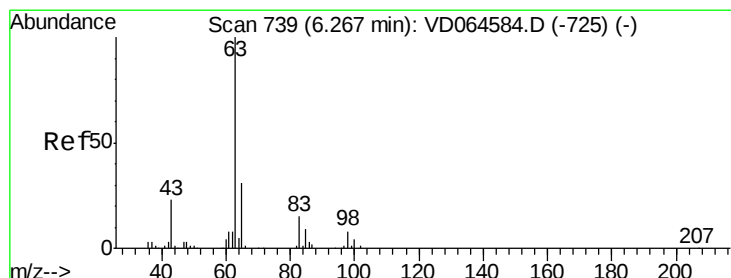
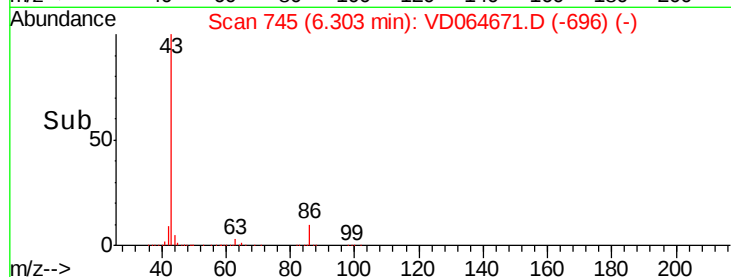
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.299 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

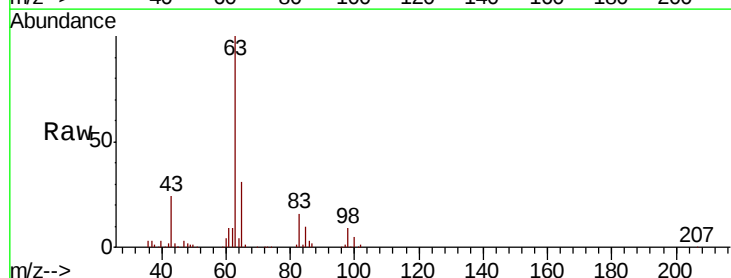
Tgt Ion: 63 Resp: 343267

Ion Ratio Lower Upper

63 100

98 8.7 4.1 12.3

100 5.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

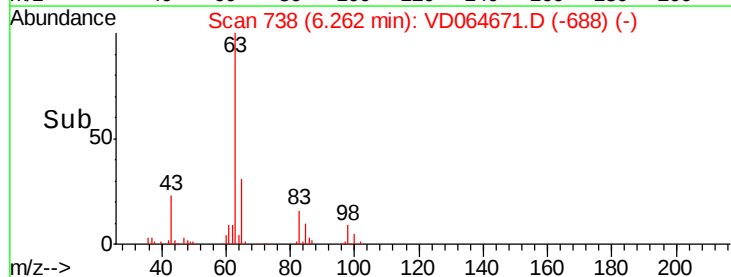
150000

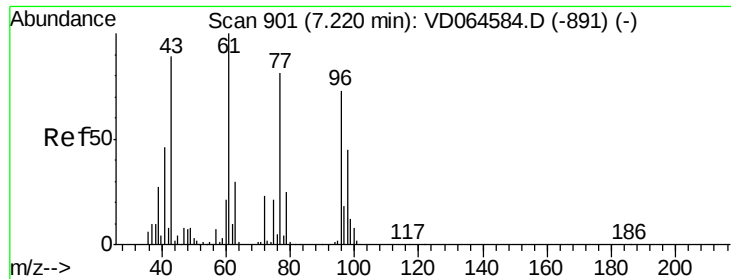
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.810 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

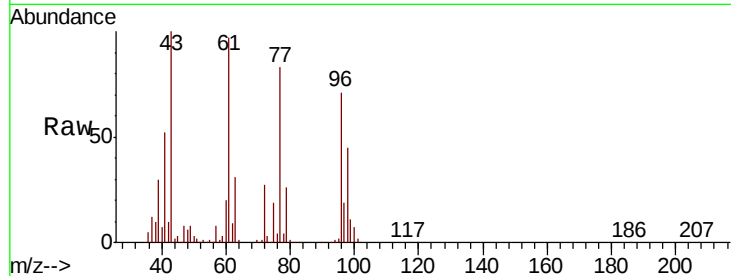
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 257902

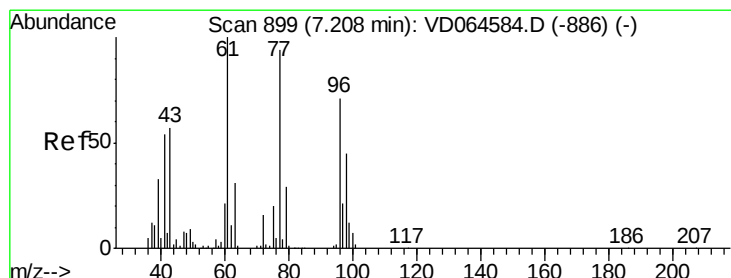
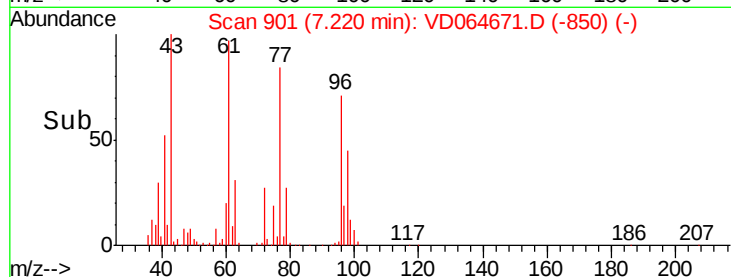
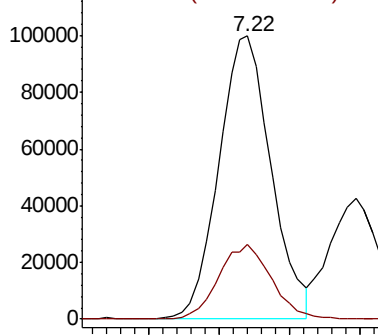
Ion Ratio Lower Upper

43 100

72 26.6 20.7 31.1



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



#26

2,2-Dichloropropane

Concen: 48.295 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064671.D

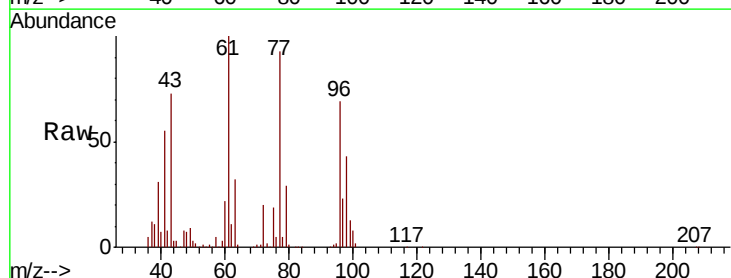
Acq: 30 Dec 2019 11:35

Tgt Ion: 77 Resp: 325875

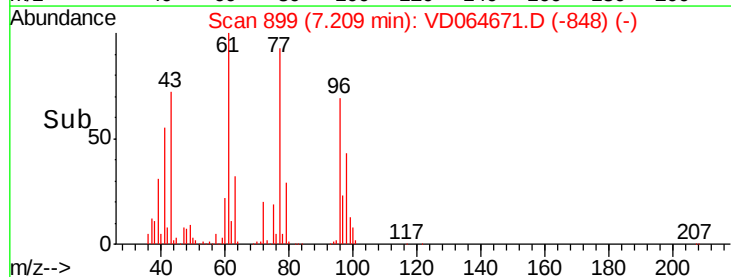
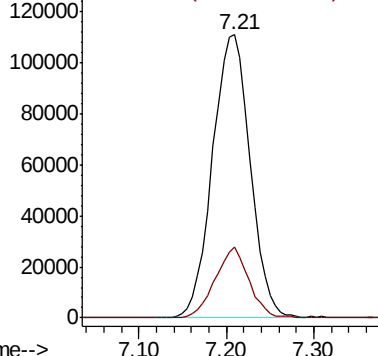
Ion Ratio Lower Upper

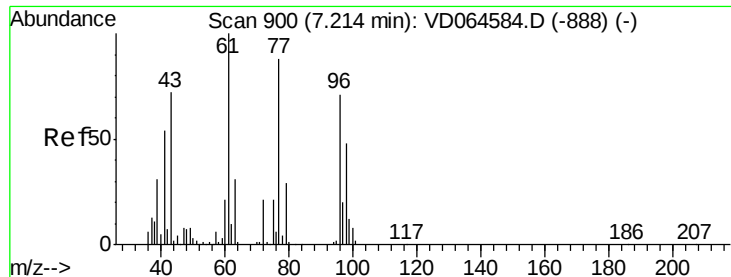
77 100

97 22.4 11.2 33.6



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



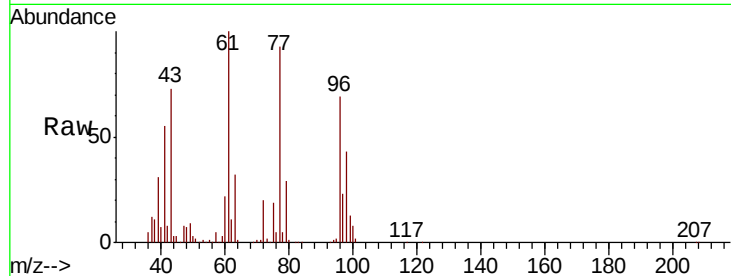


#27

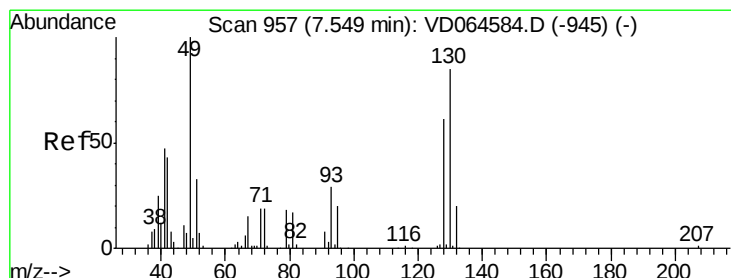
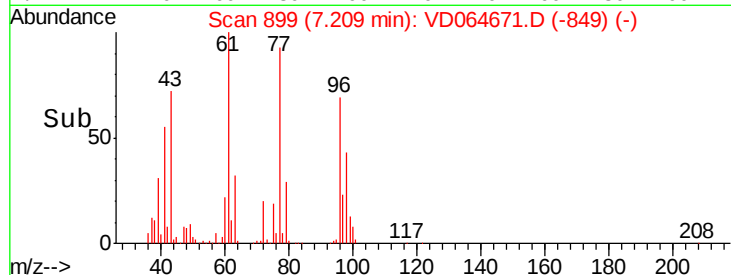
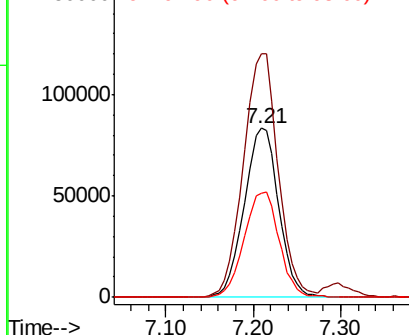
cis-1,2-Dichloroethene
Concen: 46.624 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 222765
Ion Ratio Lower Upper
96 100
61 145.6 0.0 282.6
98 63.4 0.0 130.8



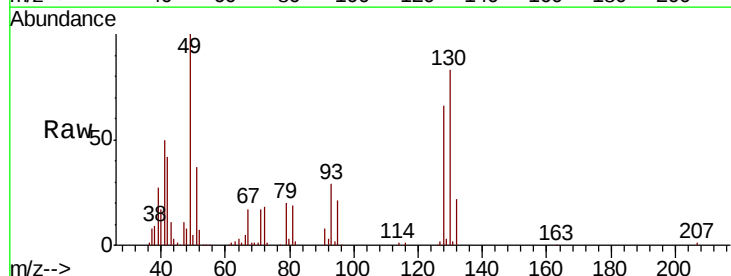
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



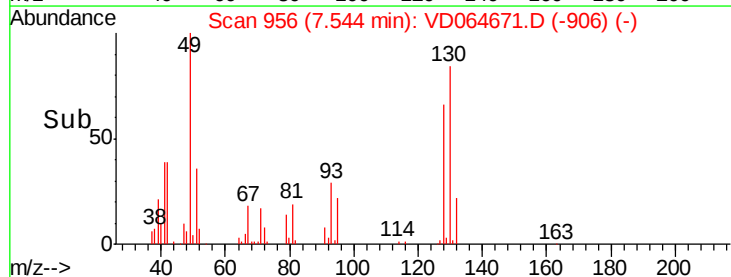
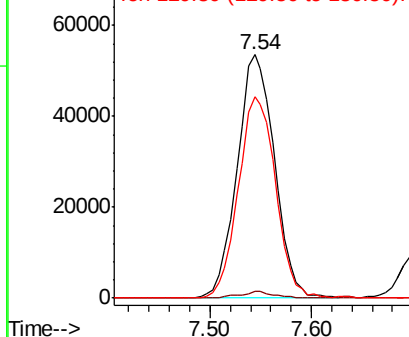
#28

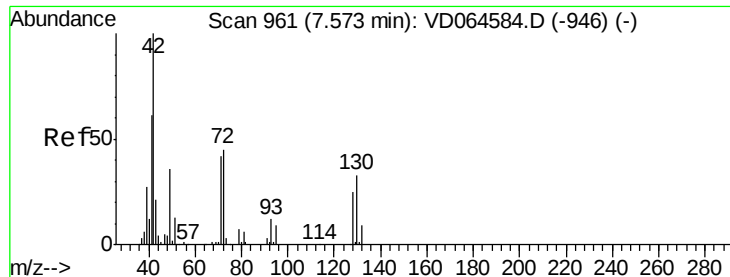
Bromochloromethane
Concen: 48.487 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 49 Resp: 136789
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.8
130 82.5 65.0 97.6



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

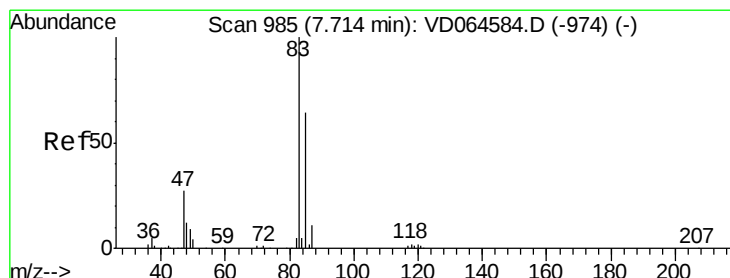
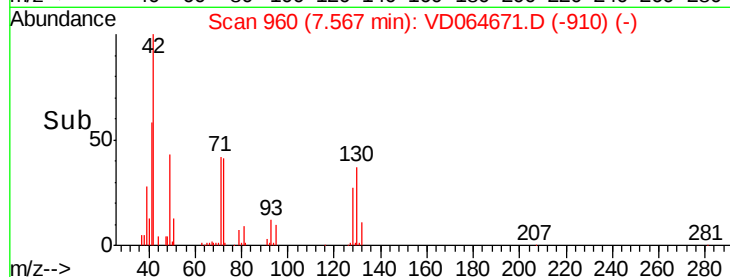
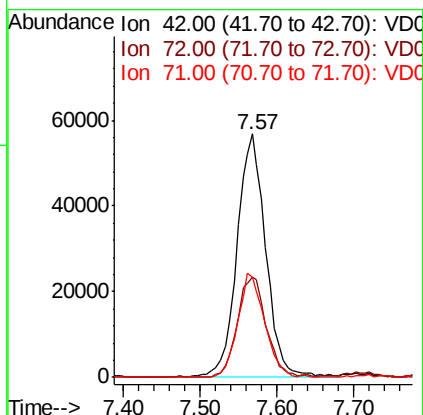
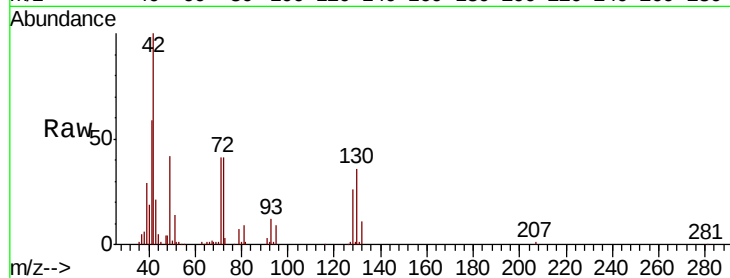




#29
Tetrahydrofuran
Concen: 223.160 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

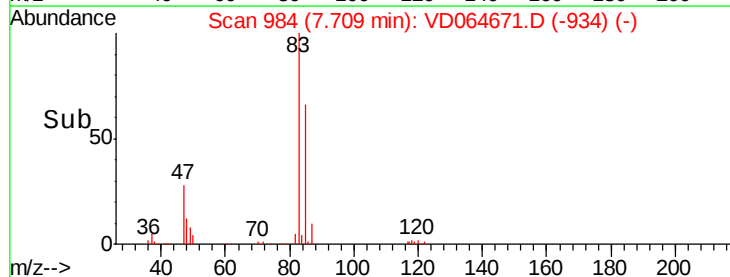
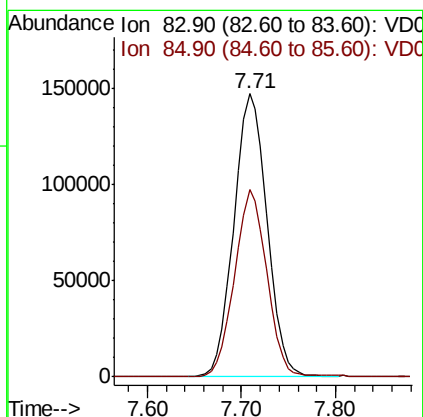
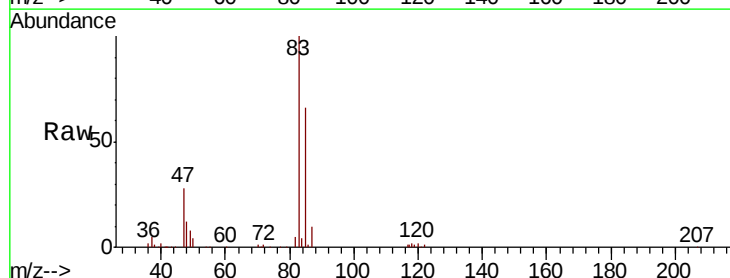
Instrument :
MSVOA_D
ClientSampleId :

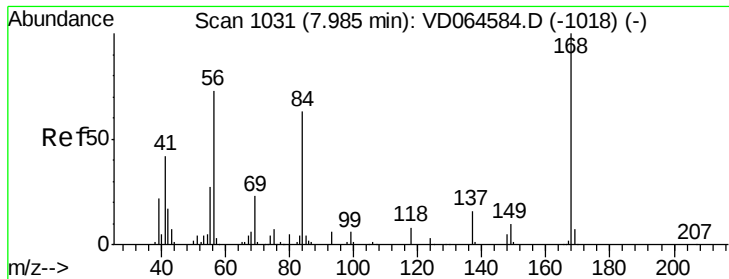
Tot Ion: 42 Resp: 148628
Ion Ratio Lower Upper
42 100
72 41.5 35.0 52.4
71 39.9 32.9 49.3



#30
Chloroform
Concen: 47.323 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 83 Resp: 360327
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7

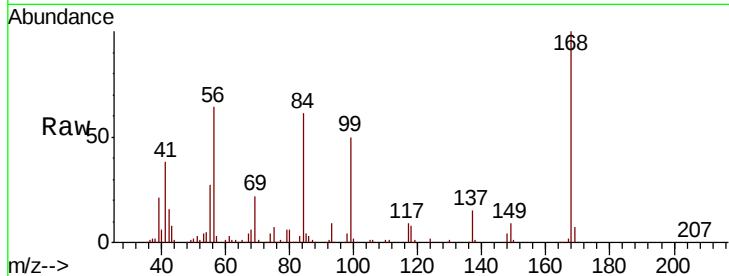




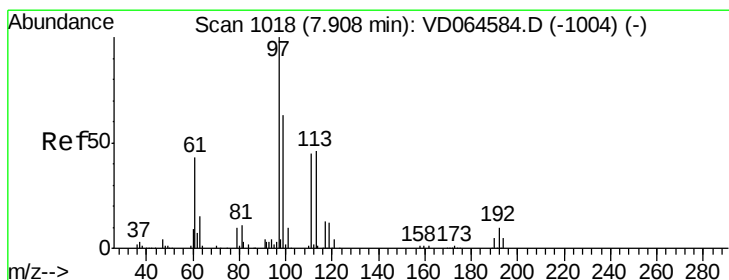
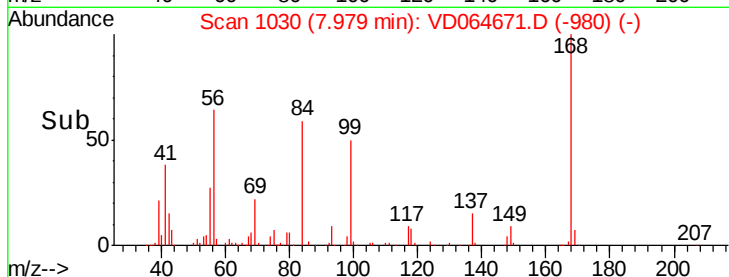
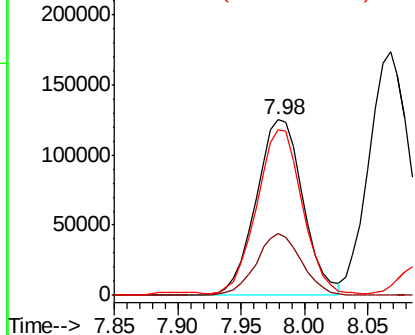
#31
Cyclohexane
Concen: 44.508 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 323339
Ion Ratio Lower Upper
56 100
69 35.0 24.7 37.1
84 93.1 69.4 104.2

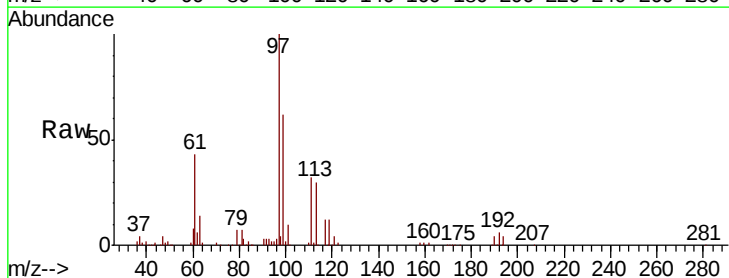


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

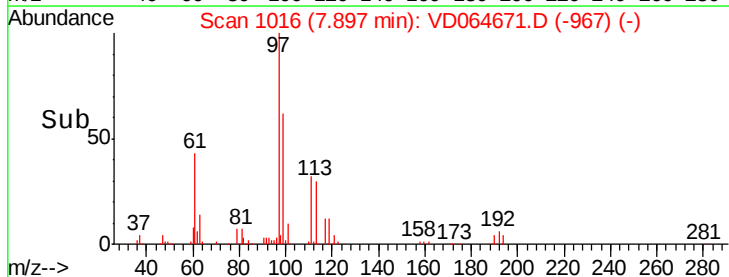
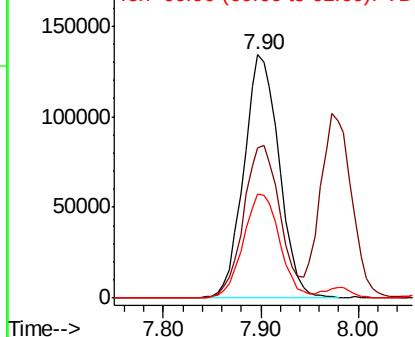


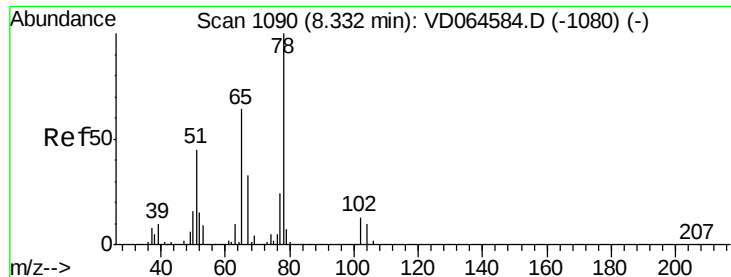
#32
1,1,1-Trichloroethane
Concen: 47.311 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 97 Resp: 338355
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.6
61 44.2 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 50.485 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

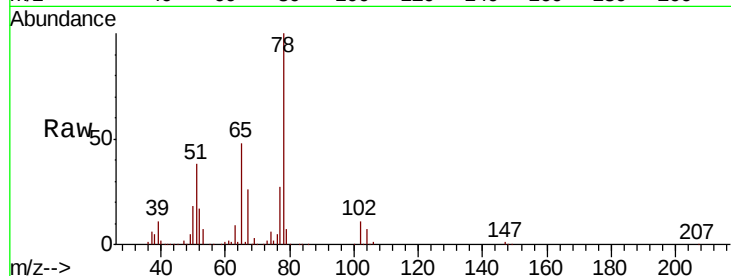
ClientSampled :

Tot Ion: 65 Resp: 196699

Ion Ratio Lower Upper

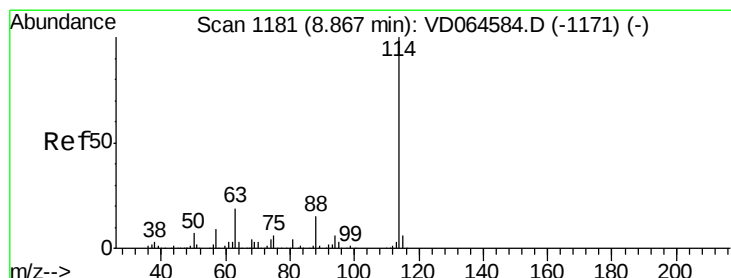
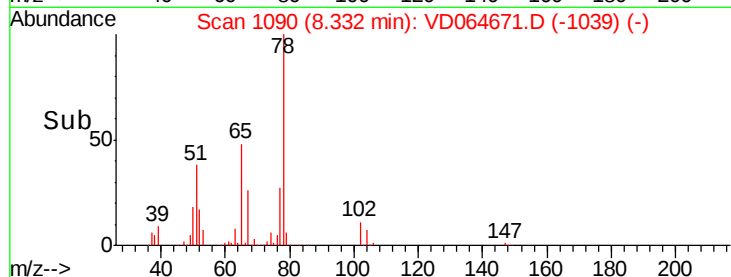
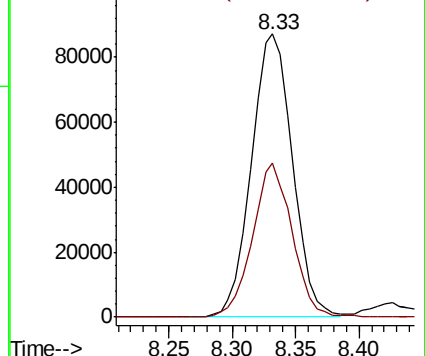
65 100

67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

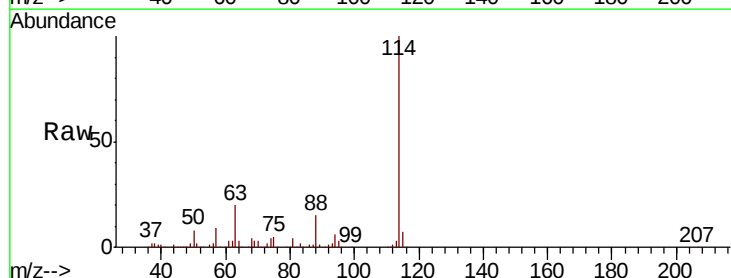
Tgt Ion: 114 Resp: 628946

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

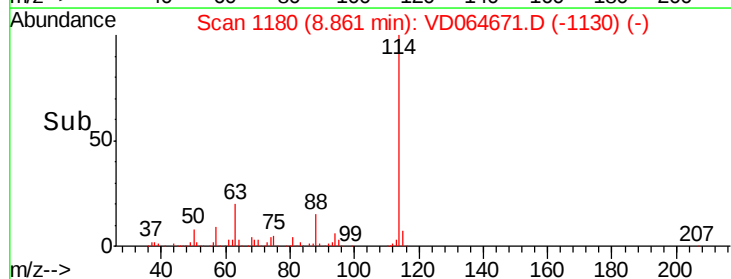
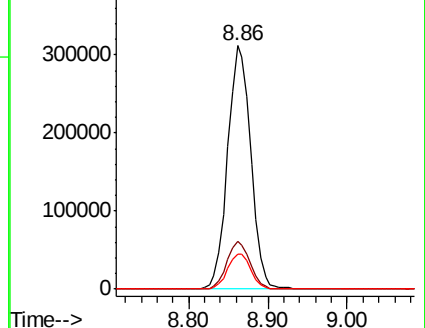
88 14.6 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

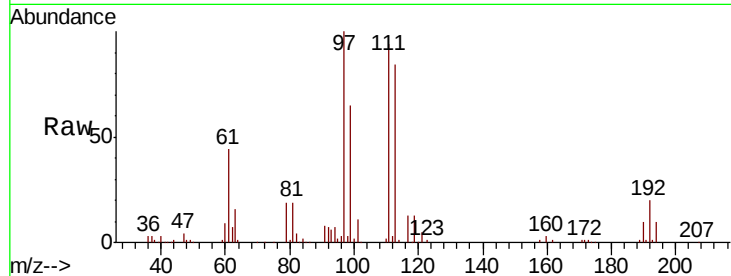




#35
 Dibromofluoromethane
 Concen: 51.162 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.6	121.0
192	22.4	17.9	26.9

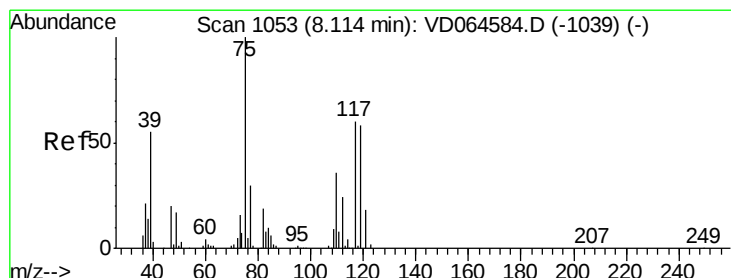
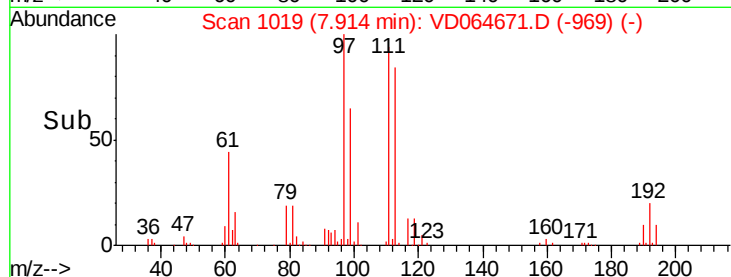
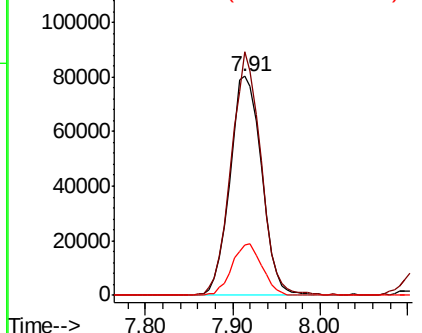


Abundance

Ion 112.80 (112.50 to 113.50): V

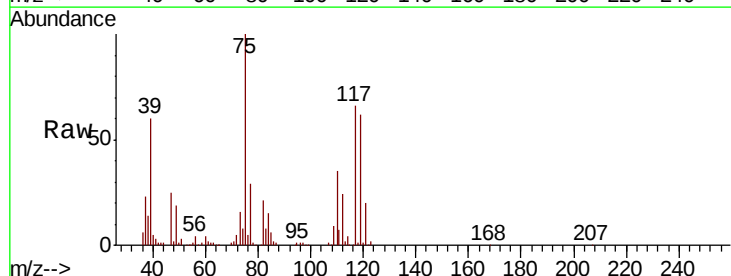
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.182 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.1	54.1
77	31.2	24.2	36.4

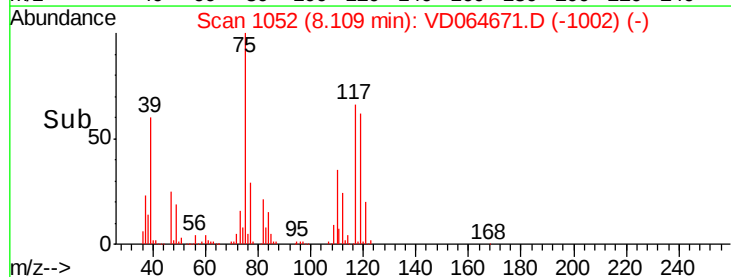
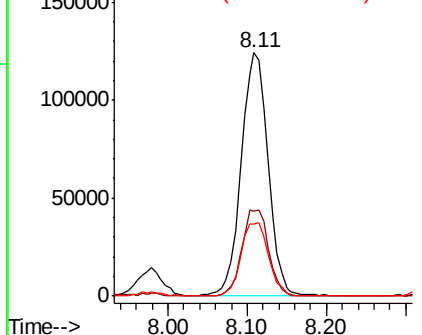


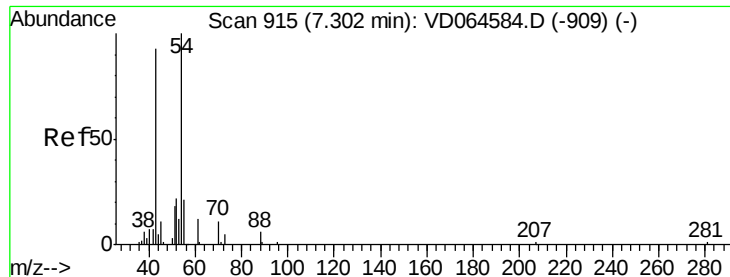
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

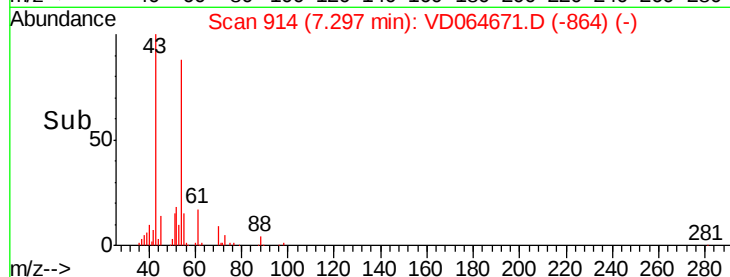
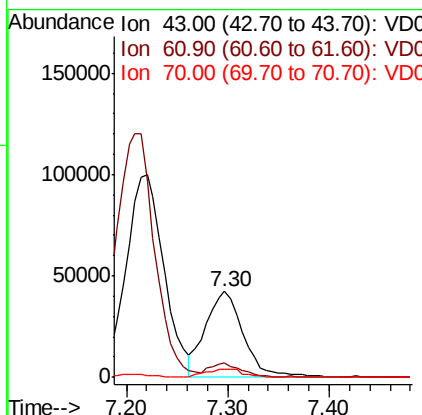
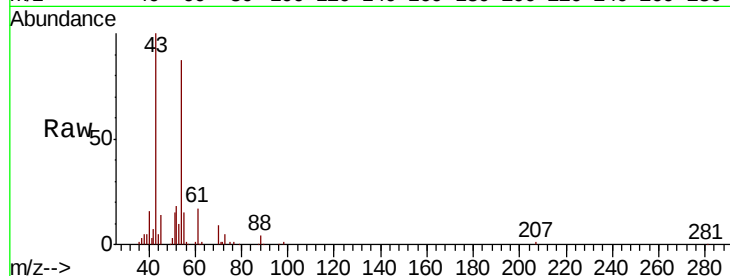




#37
Ethyl Acetate
Concen: 45.725 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

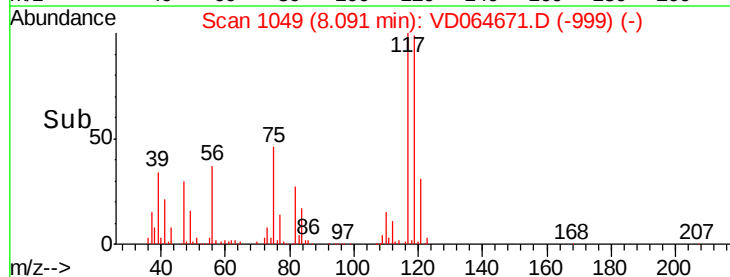
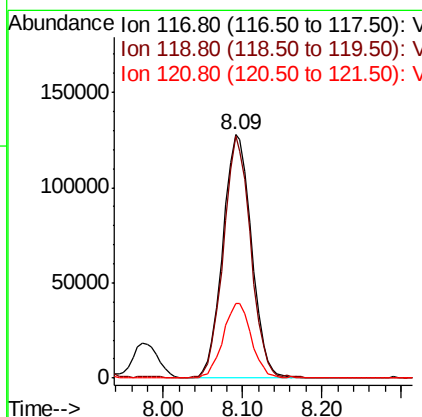
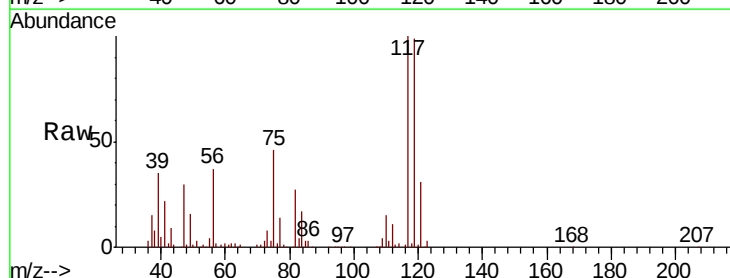
Instrument :
MSVOA_D
ClientSampleId :

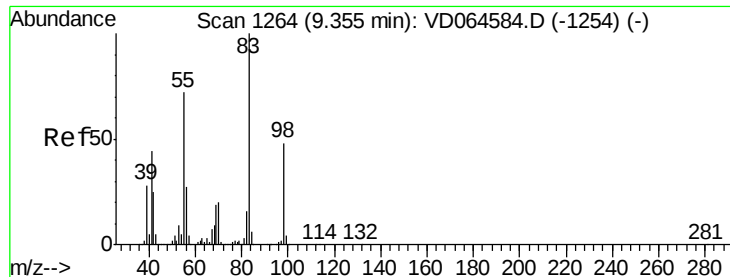
Tot Ion: 43 Resp: 108741
Ion Ratio Lower Upper
43 100
61 12.8 10.3 15.5
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.566 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 117 Resp: 319947
Ion Ratio Lower Upper
117 100
119 99.3 77.3 115.9
121 30.9 25.0 37.6

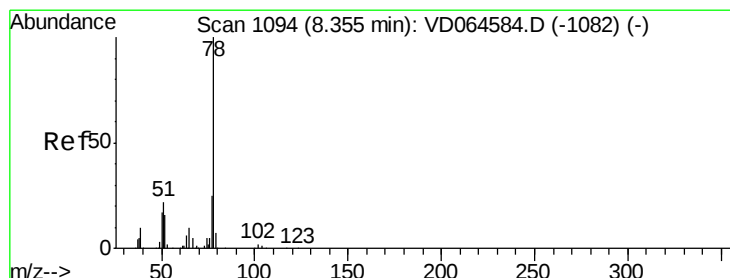
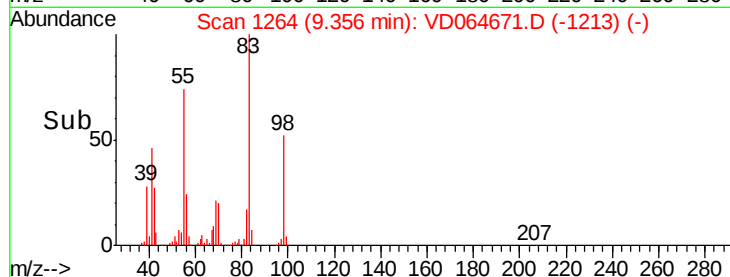
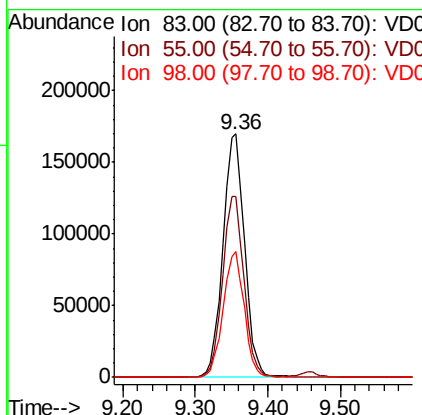
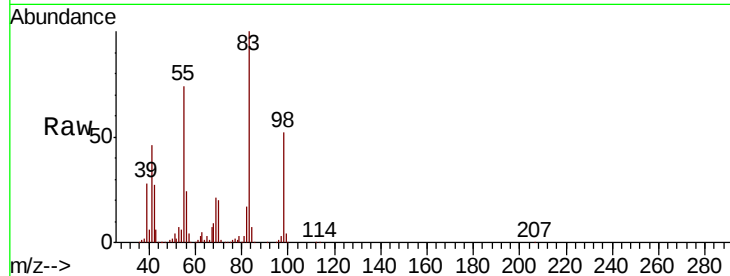




#39
Methvlcvclohexane
Concen: 48.254 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

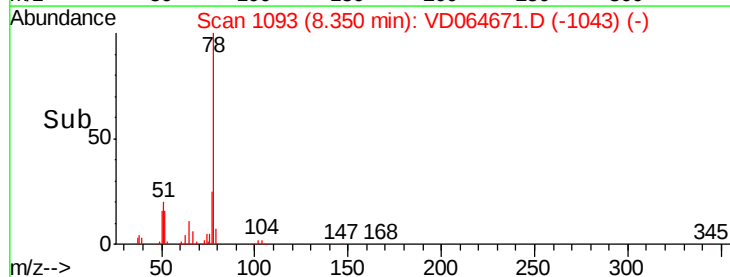
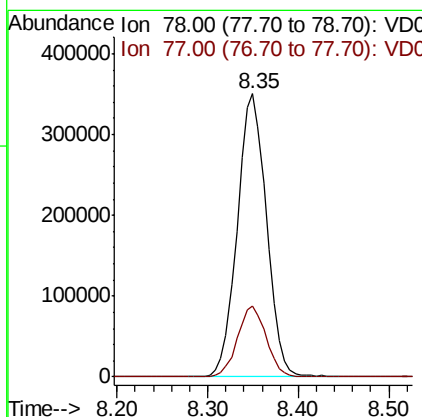
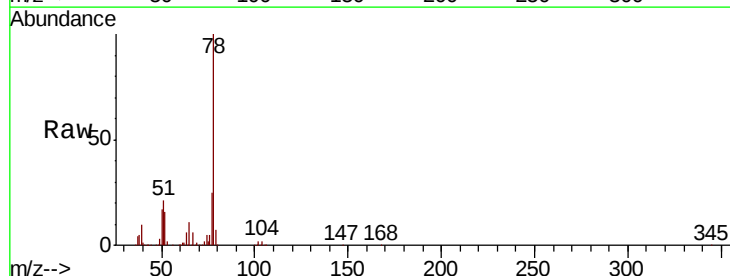
Instrument :
MSVOA_D
ClientSampleId :

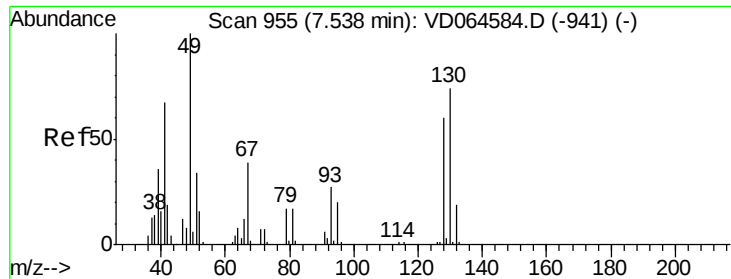
Tot Ion: 83 Resp: 353801
Ion Ratio Lower Upper
83 100
55 74.3 57.8 86.6
98 51.7 38.7 58.1



#40
Benzene
Concen: 47.457 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 78 Resp: 784256
Ion Ratio Lower Upper
78 100
77 25.0 19.9 29.9





#41

Methacrylonitrile

Concen: 43.924 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 60607

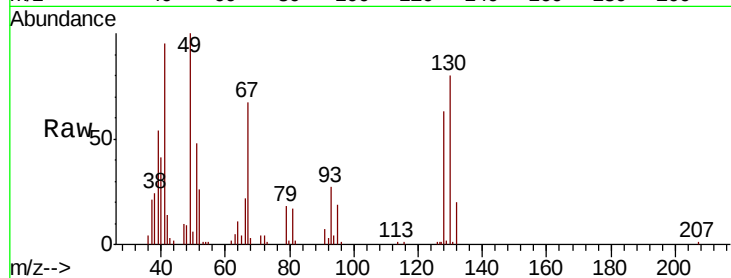
Ion Ratio Lower Upper

41 100

39 48.6 46.7 70.1

67 76.9 52.5 78.7

52 32.9 24.1 36.1

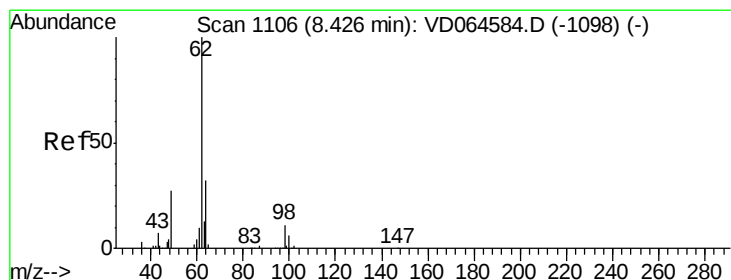
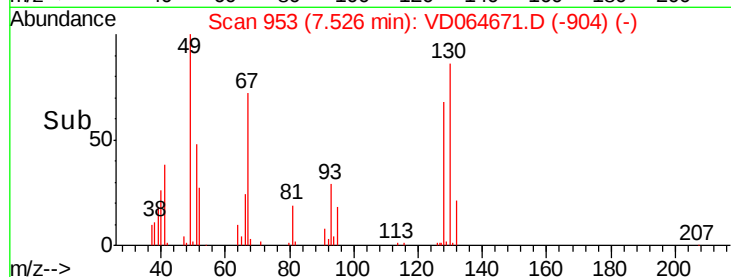
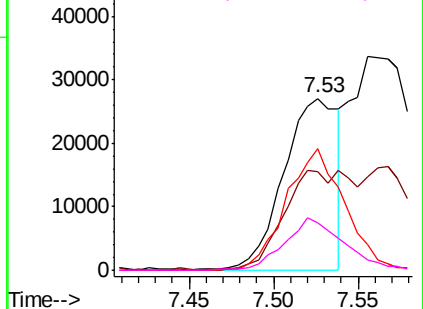


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.673 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064671.D

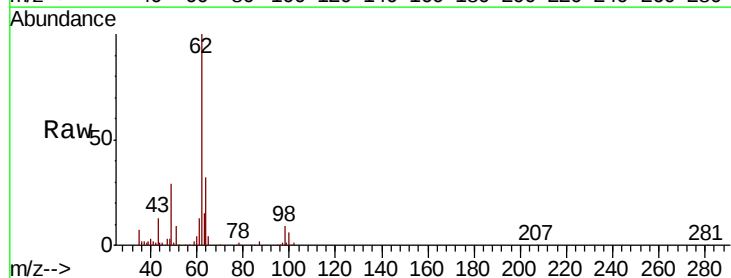
Acq: 30 Dec 2019 11:35

Tgt Ion: 62 Resp: 227661

Ion Ratio Lower Upper

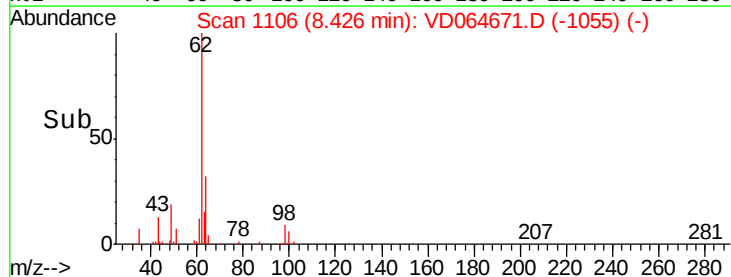
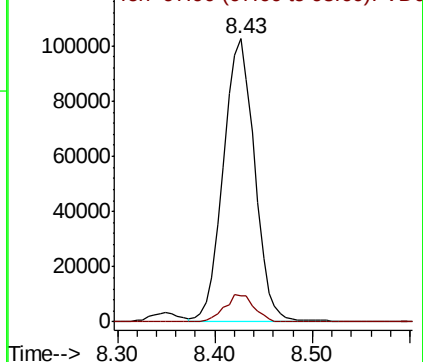
62 100

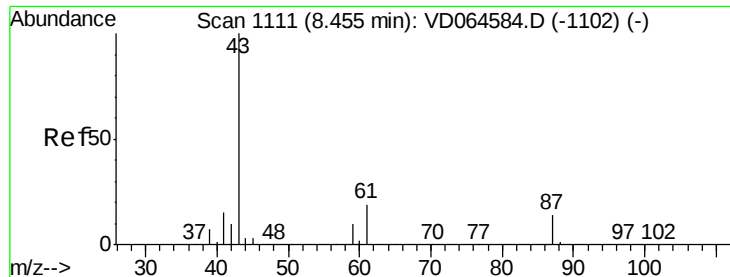
98 9.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



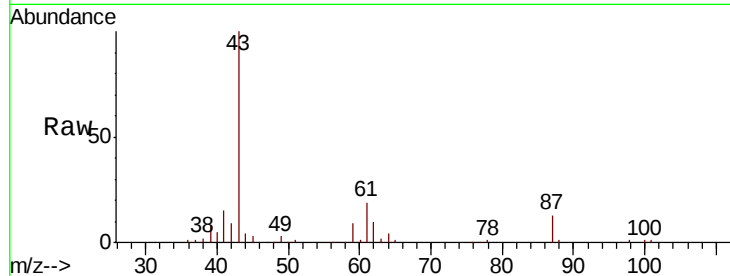


#43

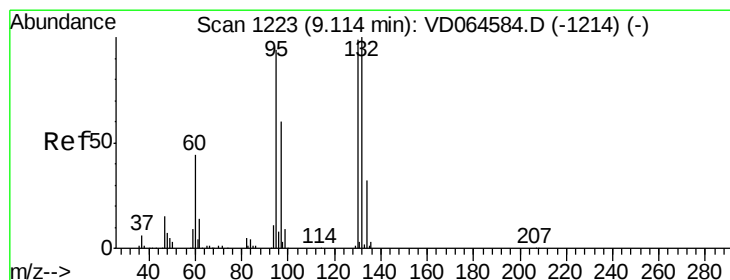
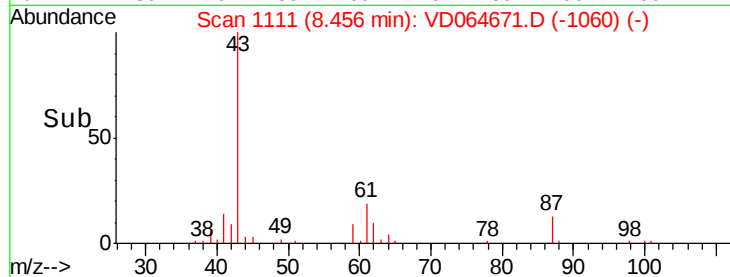
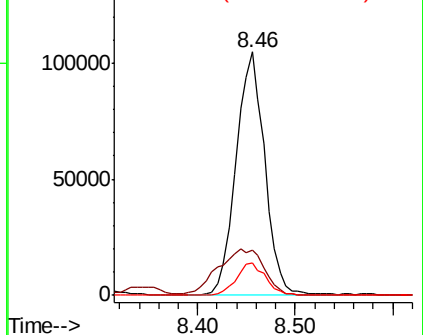
Isopropyl Acetate
 Concen: 45.495 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	43	Resp	215353
Ion Ratio	Lower	Upper	
43	100		
61	29.8	23.7	35.5
87	13.5	10.5	15.7



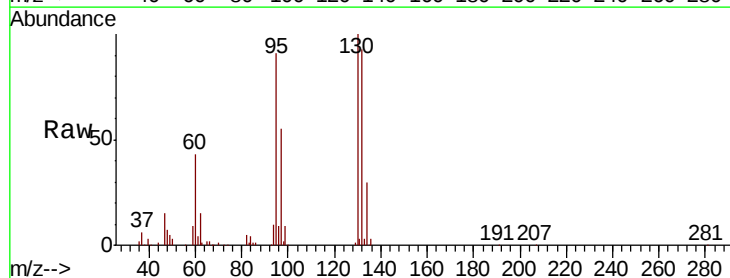
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



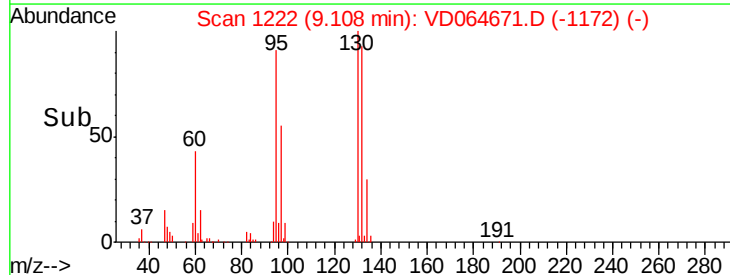
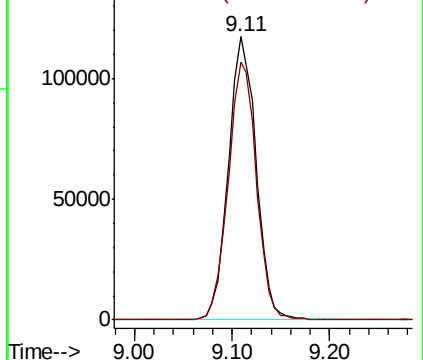
#44

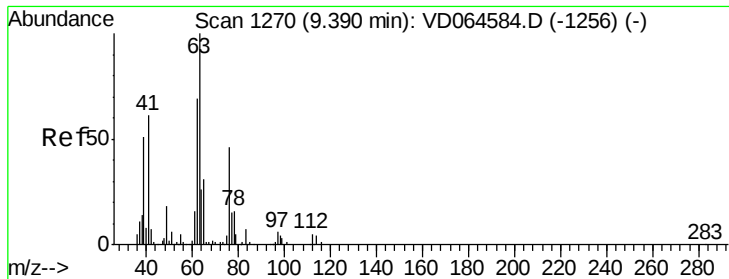
Trichloroethene
 Concen: 47.570 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	130	Resp	230938
Ion Ratio	Lower	Upper	
130	100		
95	91.1	0.0	190.2



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





#45

1,2-Dichloropropane

Concen: 47.943 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

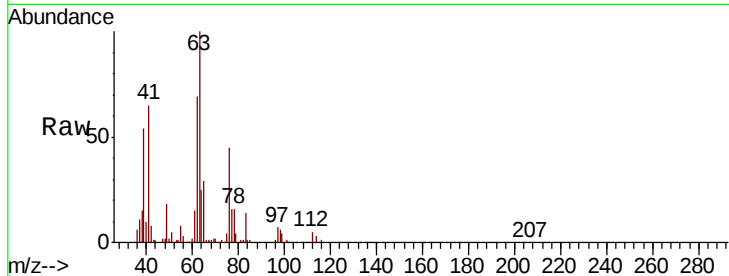
ClientSampleId :

Tot Ion: 63 Resp: 189169

Ion Ratio Lower Upper

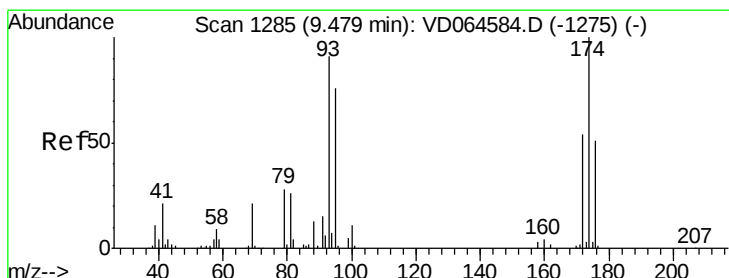
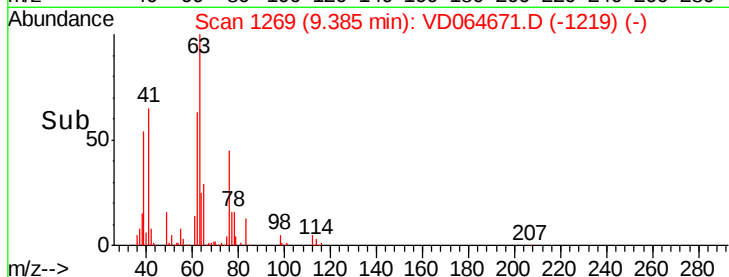
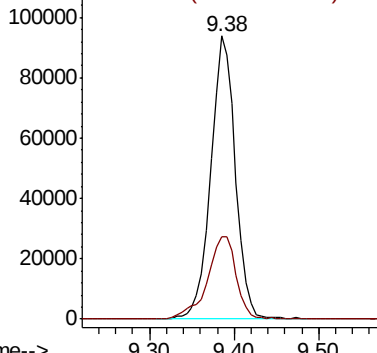
63 100

65 29.3 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 44.831 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

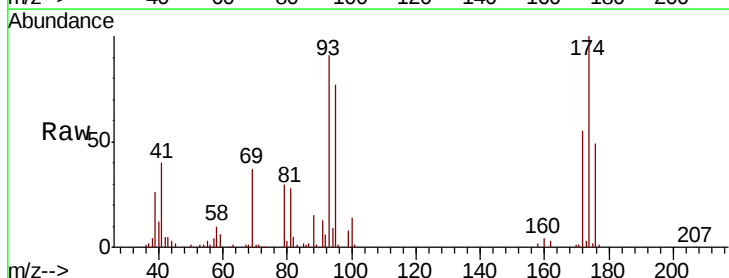
Tgt Ion: 93 Resp: 98623

Ion Ratio Lower Upper

93 100

95 84.6 64.6 97.0

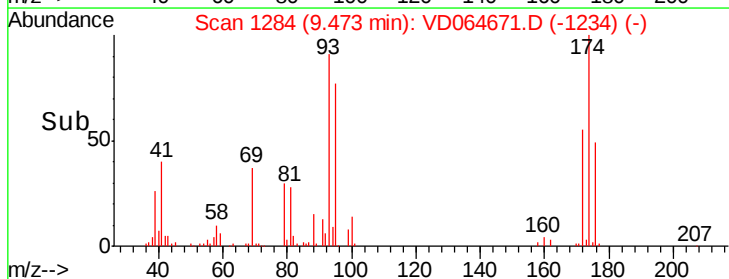
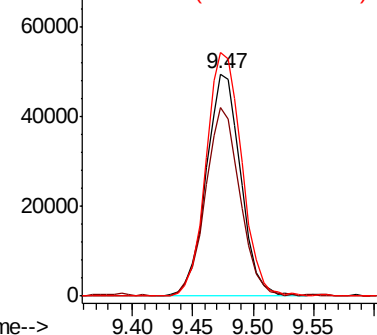
174 113.3 88.1 132.1

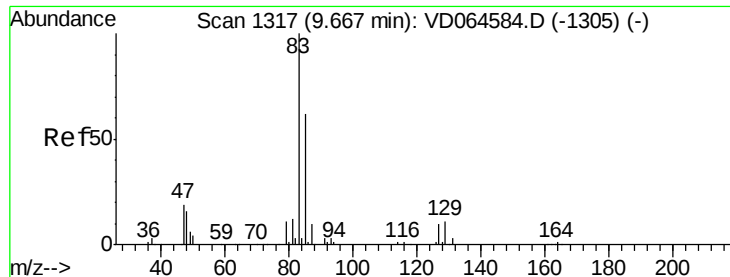


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.228 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :

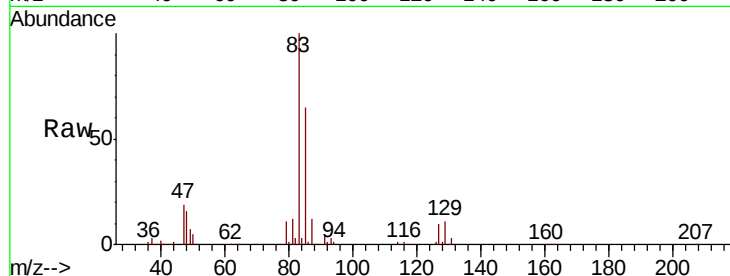
Tot Ion: 83 Resp: 276462

Ion Ratio Lower Upper

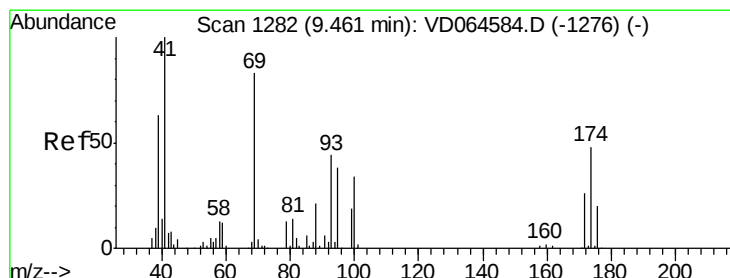
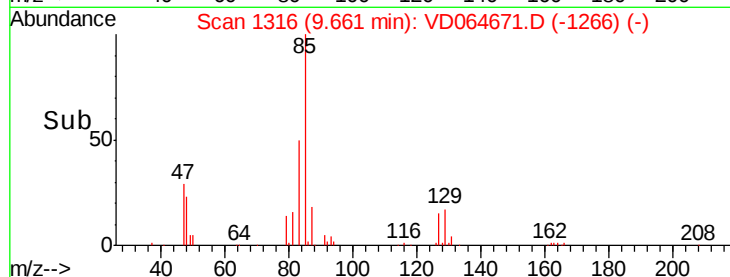
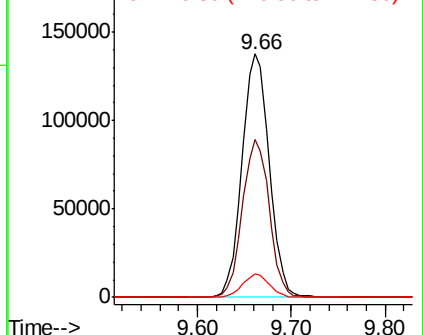
83 100

85 64.7 49.5 74.3

127 9.7 7.8 11.6



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



#48

Methyl methacrylate

Concen: 45.215 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

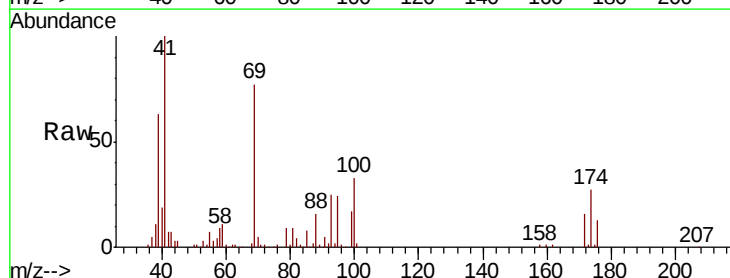
Tgt Ion: 41 Resp: 100776

Ion Ratio Lower Upper

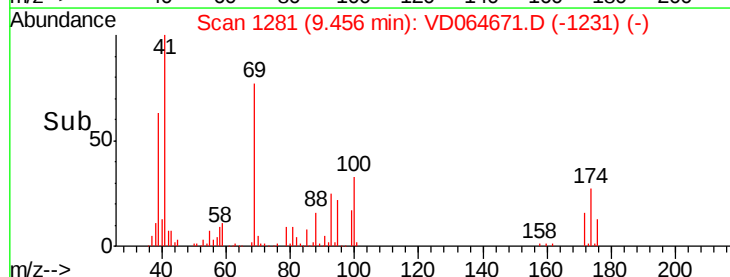
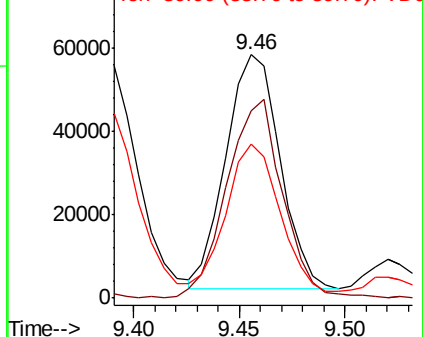
41 100

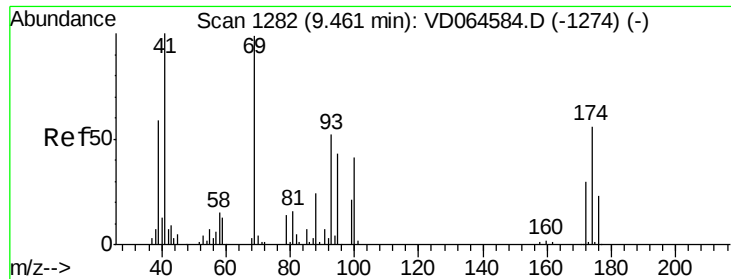
69 87.8 63.0 94.6

39 61.2 47.4 71.2



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

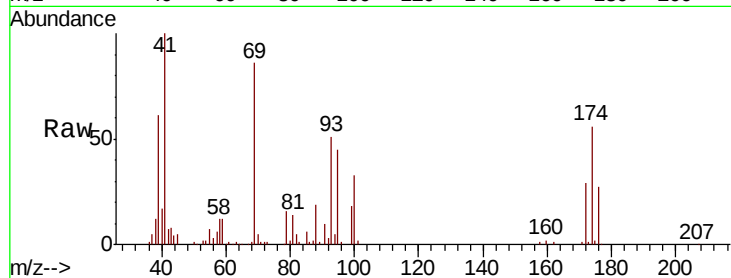




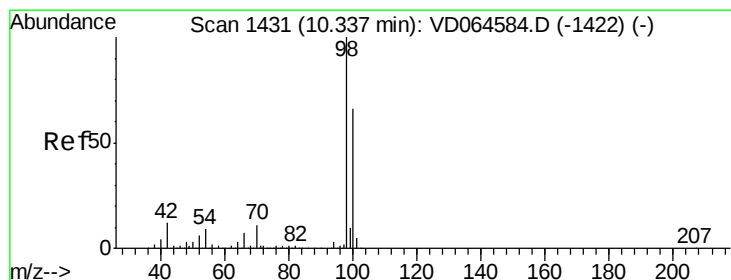
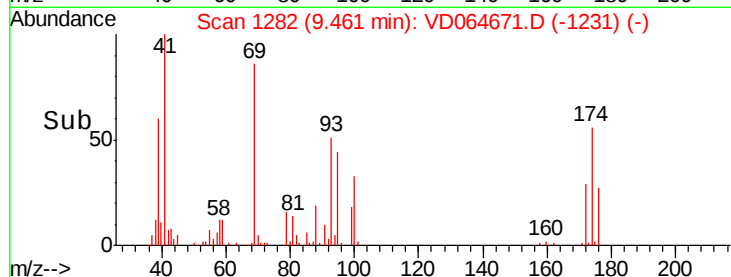
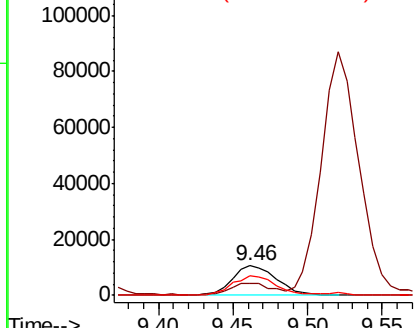
#49
1,4-Dioxane
Concen: 860.523 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 88 Resp: 21828
Ion Ratio Lower Upper
88 100
43 36.7 27.7 41.5
58 64.6 53.8 80.6

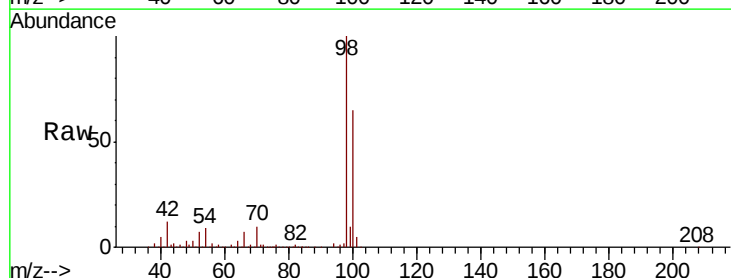


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

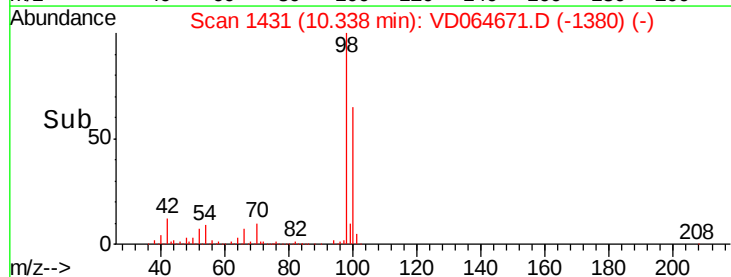
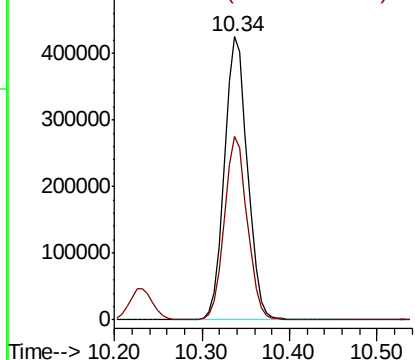


#50
Toluene-d8
Concen: 51.490 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 98 Resp: 760945
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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

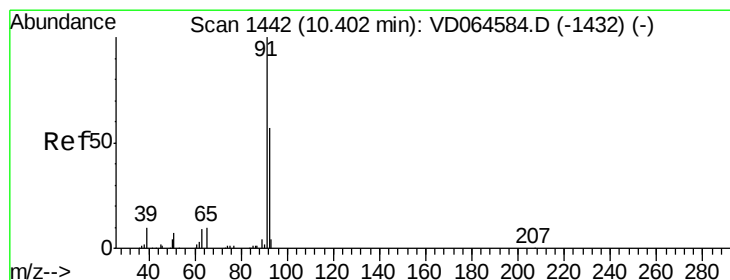
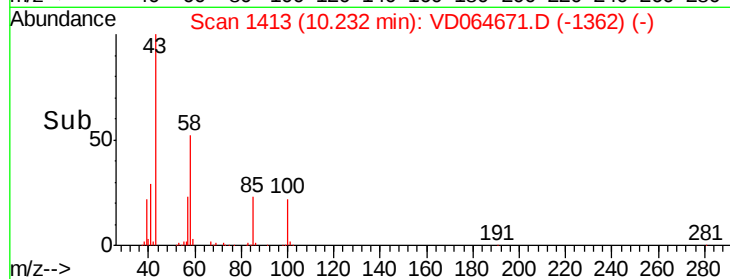
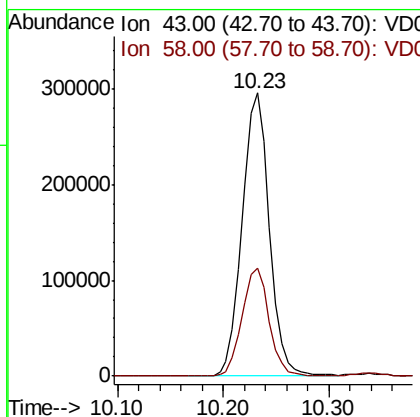
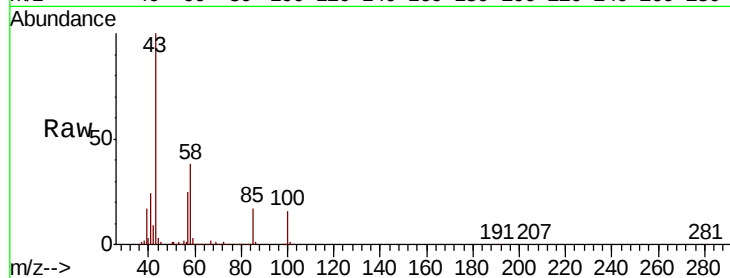




#51
4-Methyl-2-Pentanone
Concen: 225.025 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

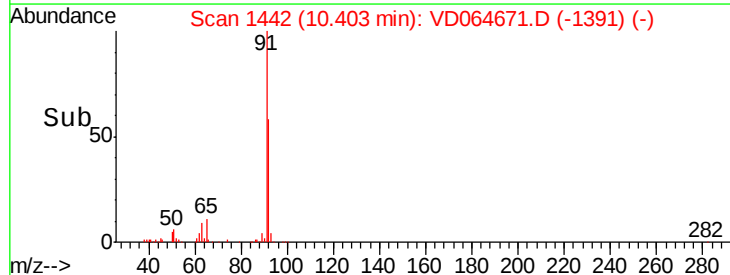
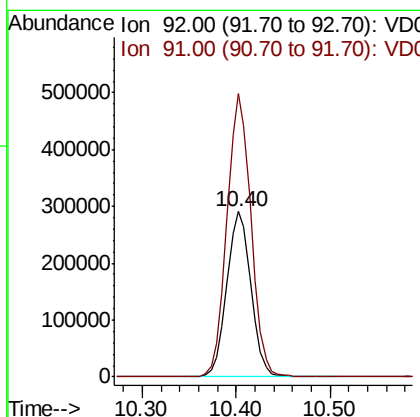
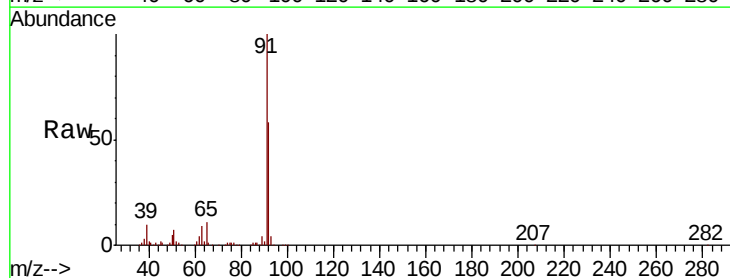
Instrument :
MSVOA_D
ClientSampleId :

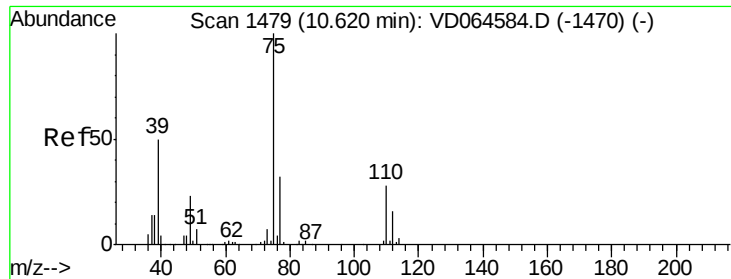
Tot Ion: 43 Resp: 526486
Ion Ratio Lower Upper
43 100
58 38.2 30.2 45.2



#52
Toluene
Concen: 47.819 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 92 Resp: 518455
Ion Ratio Lower Upper
92 100
91 170.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 47.190 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

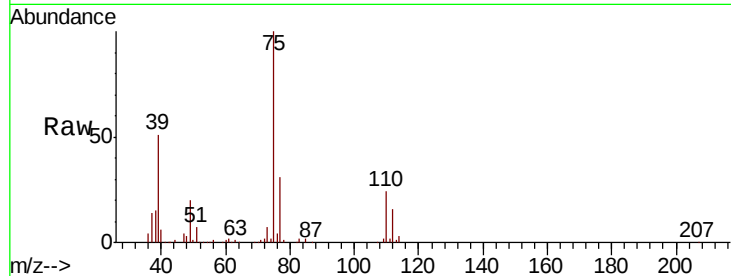
ClientSampleId :

Tot Ion: 75 Resp: 257543

Ion Ratio Lower Upper

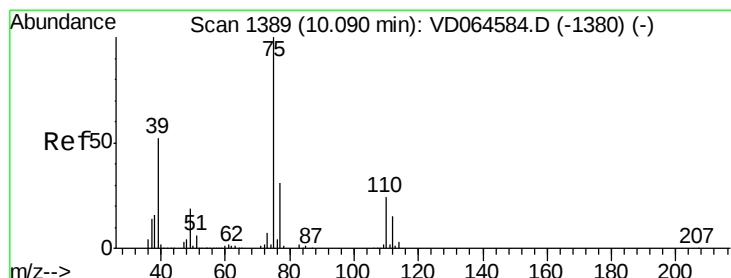
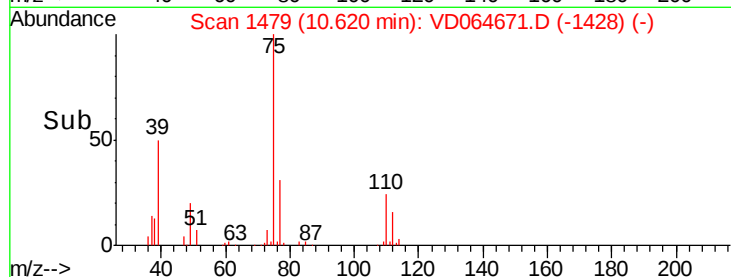
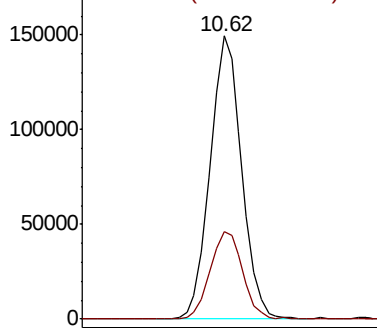
75 100

77 31.0 25.4 38.2



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: 48.135 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

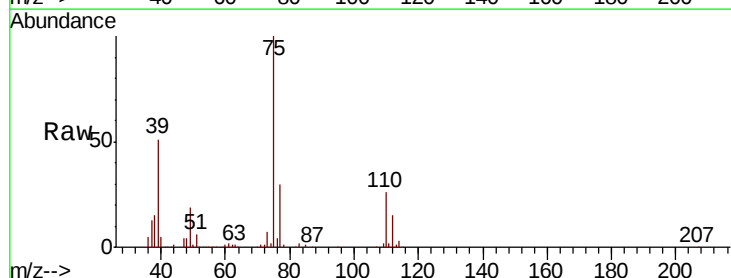
Tgt Ion: 75 Resp: 309764

Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8

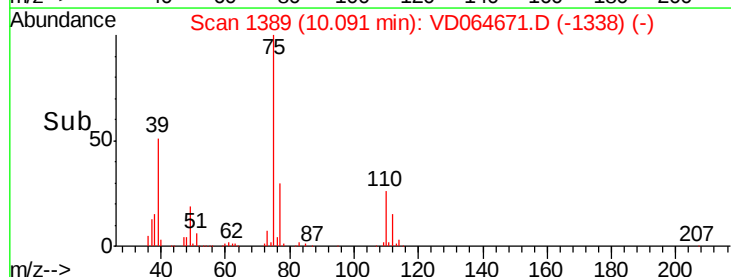
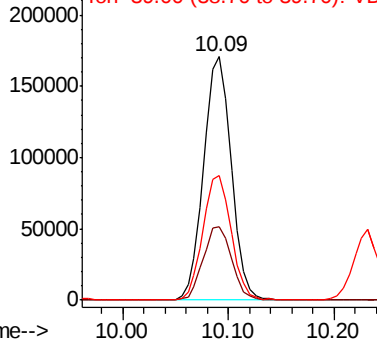
39 50.8 41.4 62.2

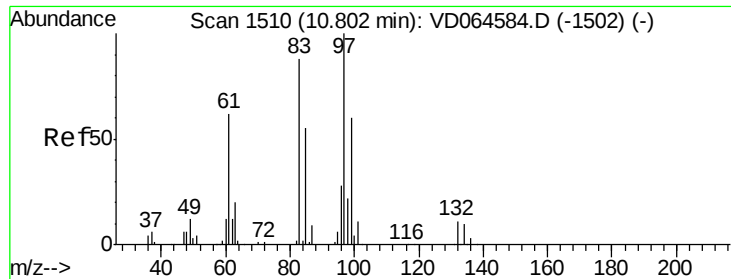


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

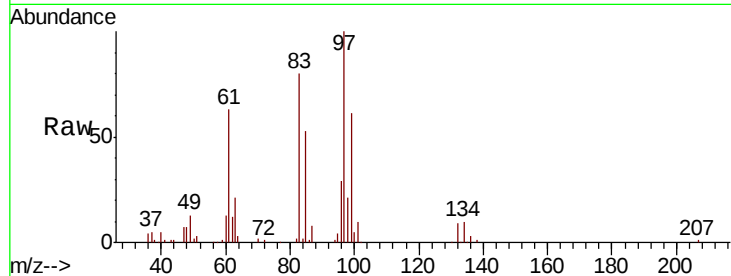




#55
 1,1,2-Trichloroethane
 Concen: 46.455 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Resp	Lower	Upper
97	137725		
Ion Ratio			
97	100		
83	79.4	70.2	105.4
85	53.1	44.0	66.0
99	61.0	47.8	71.6



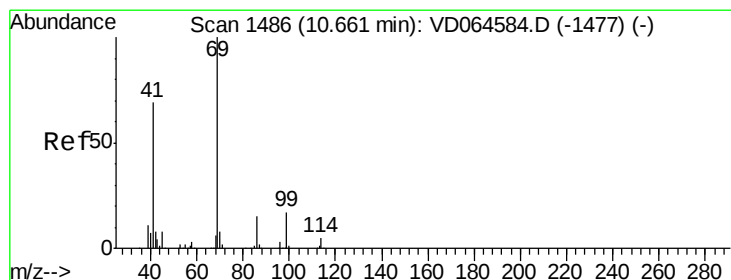
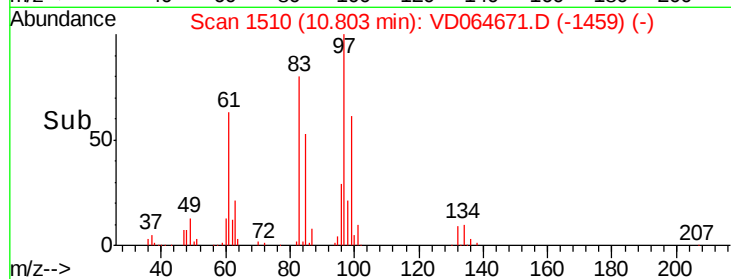
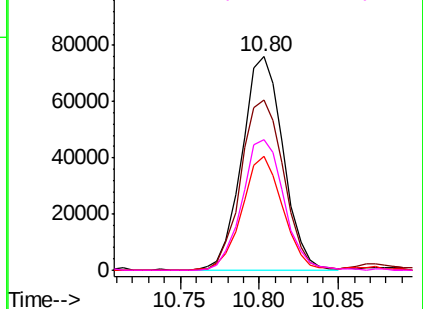
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

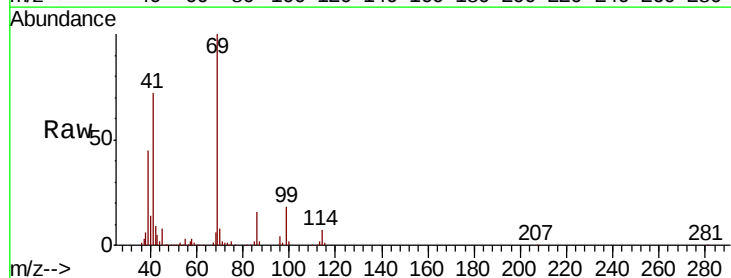
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 45.150 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Resp	Lower	Upper
69	167168		
Ion Ratio			
69	100		
41	70.7	55.3	82.9
39	42.5	33.8	50.8

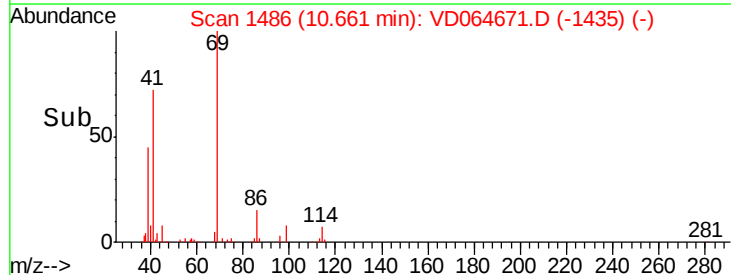
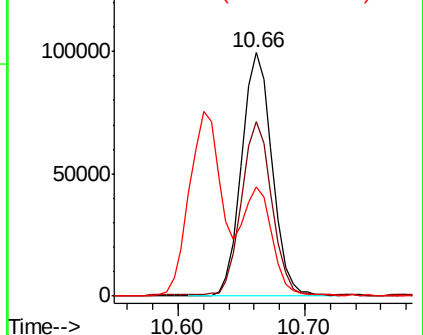


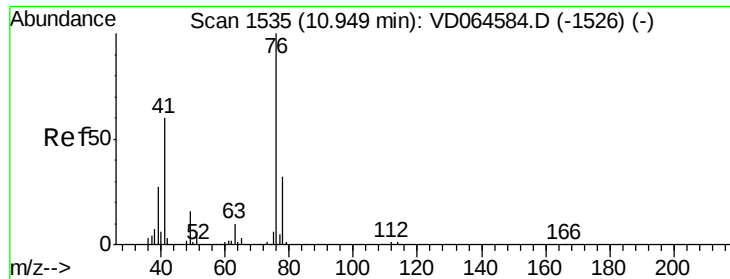
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 45.918 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

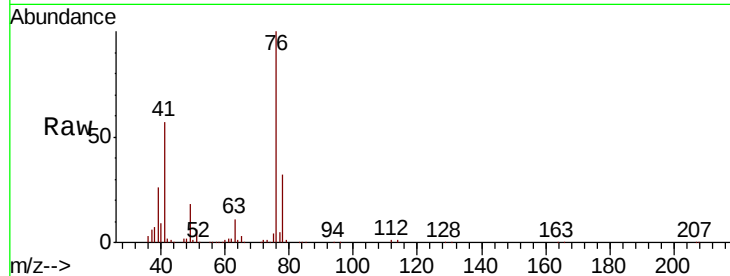
ClientSampleId :

Tot Ion: 76 Resp: 234392

Ion Ratio Lower Upper

76 100

78 33.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

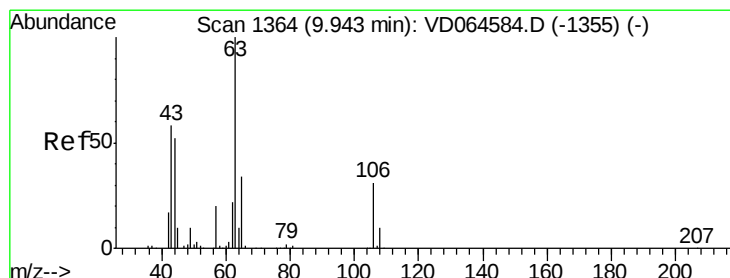
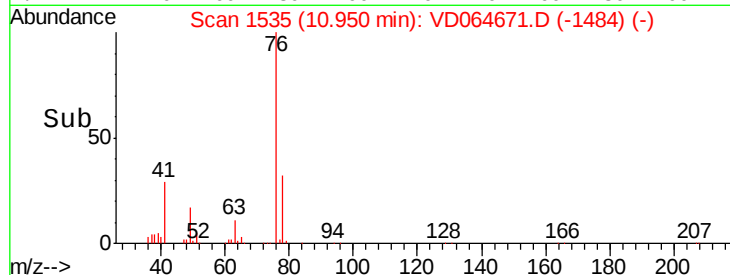
100000

50000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 232.770 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064671.D

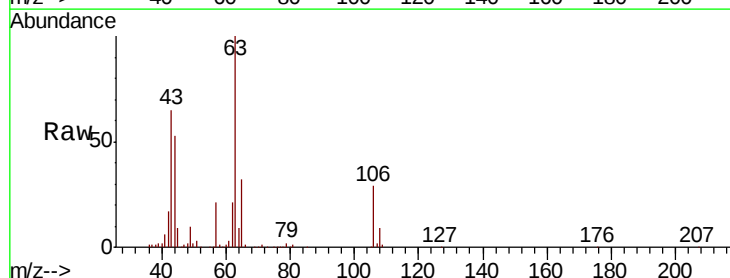
Acq: 30 Dec 2019 11:35

Tgt Ion: 63 Resp: 328353

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

150000

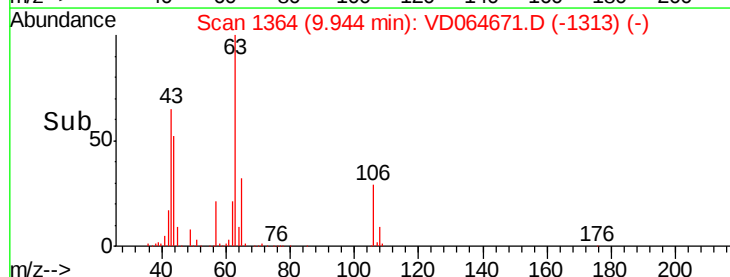
100000

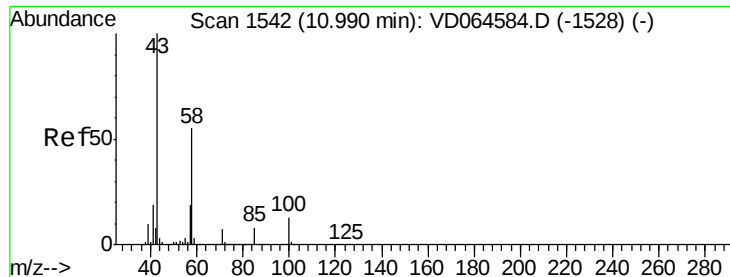
50000

0

Time-->

9.90 10.00

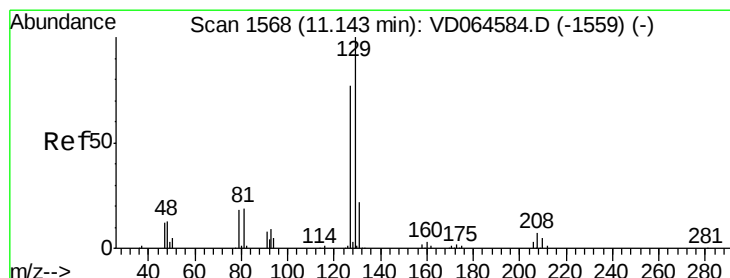
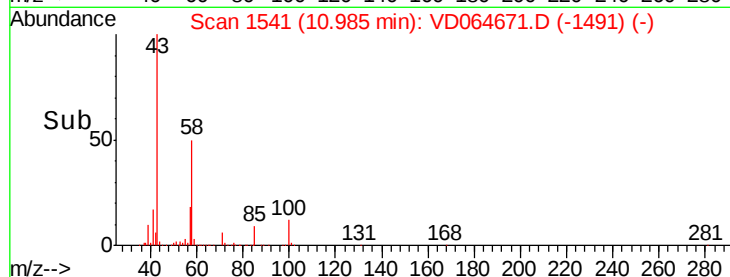
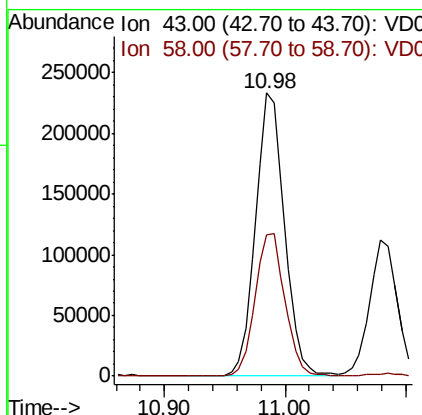
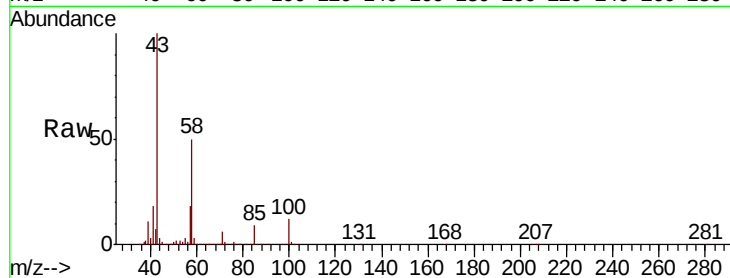




#59
2-Hexanone
Concen: 245.878 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

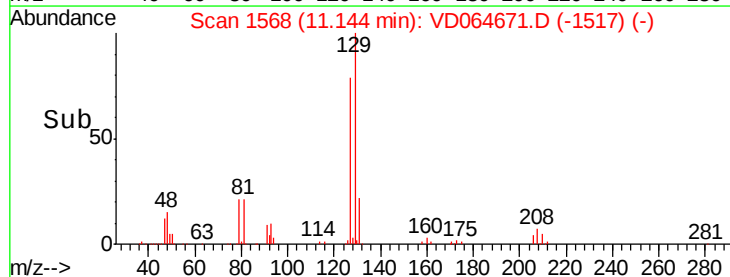
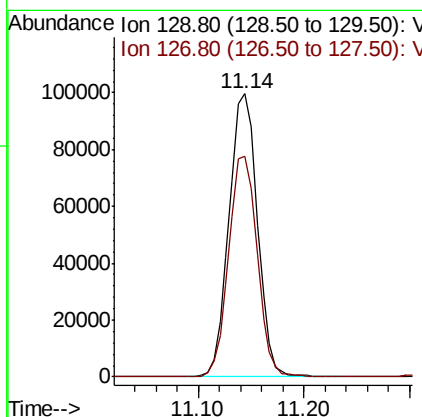
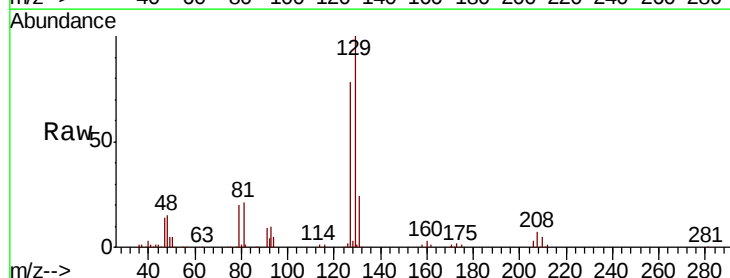
Instrument :
MSVOA_D
ClientSampled :

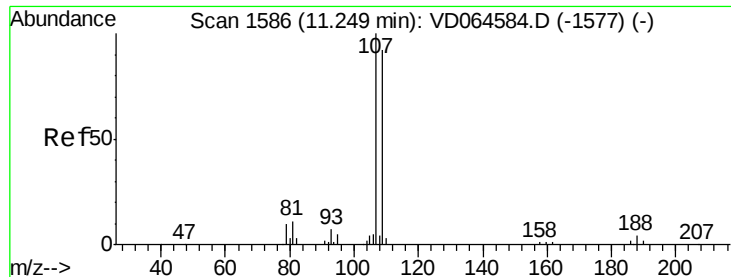
Tot Ion: 43 Resp: 390451
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 45.107 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 129 Resp: 184928
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2

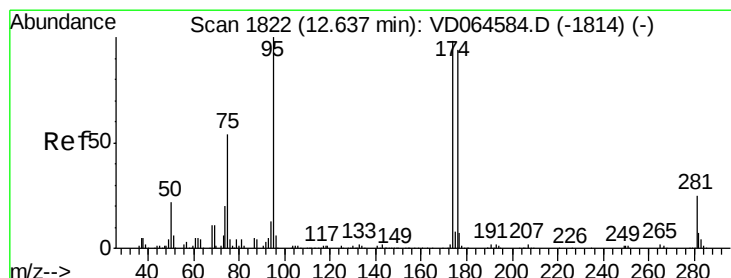
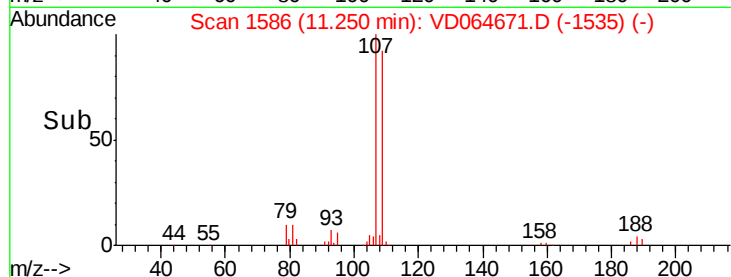
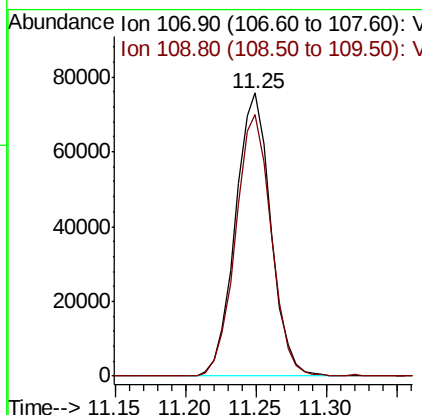
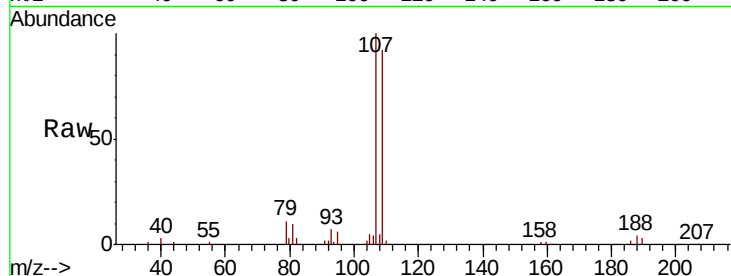




#61
 1,2-Dibromoethane
 Concen: 45.269 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

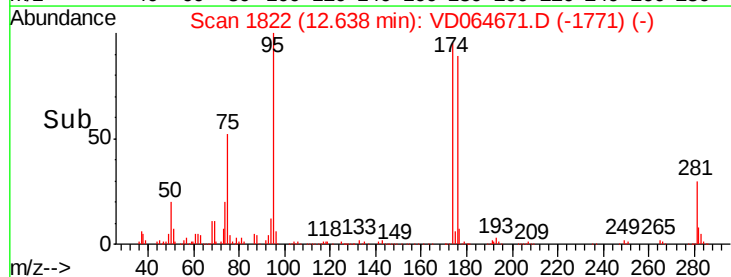
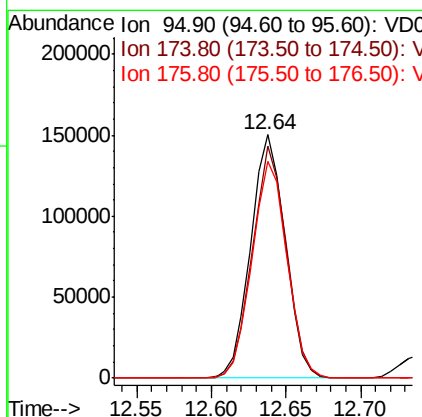
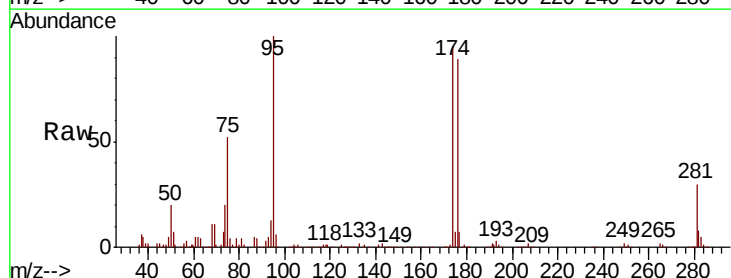
Instrument :
 MSVOA_D
 ClientSampleId :

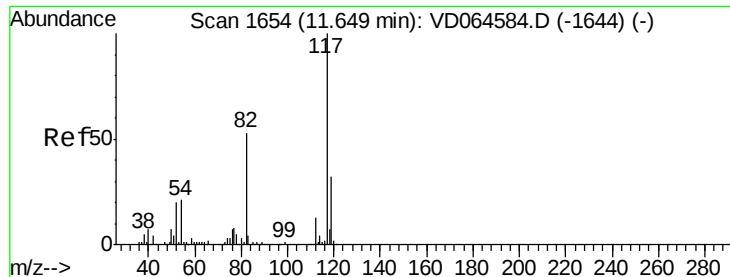
Tot Ion:107 Resp: 132372
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.236 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion: 95 Resp: 239429
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 193.2
 176 90.5 0.0 184.2

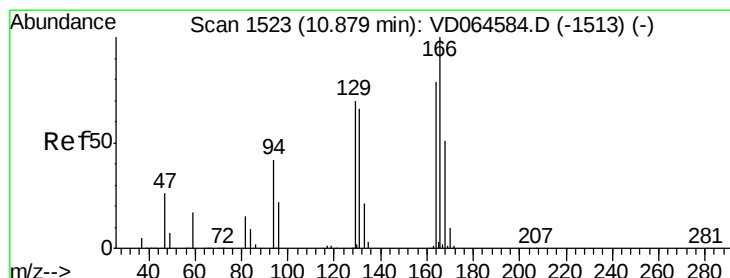
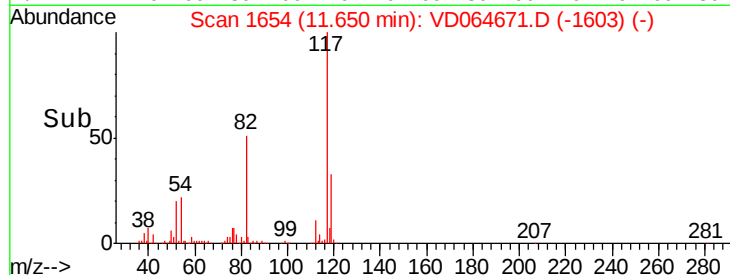
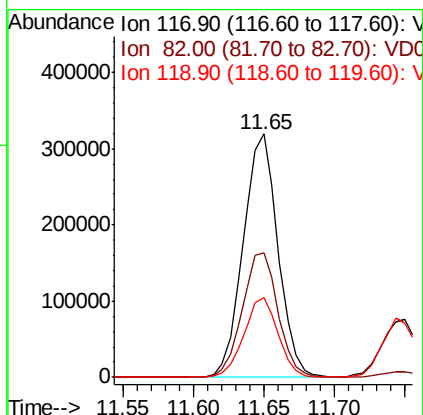
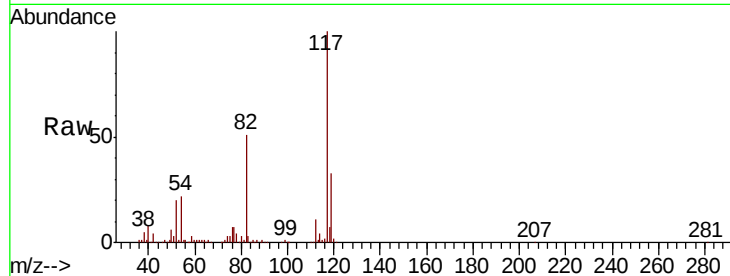




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

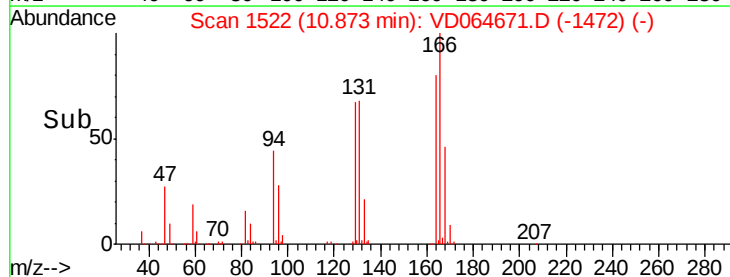
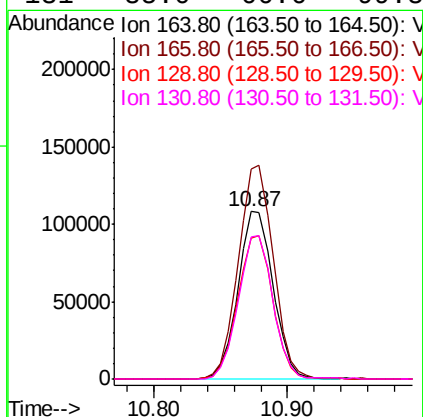
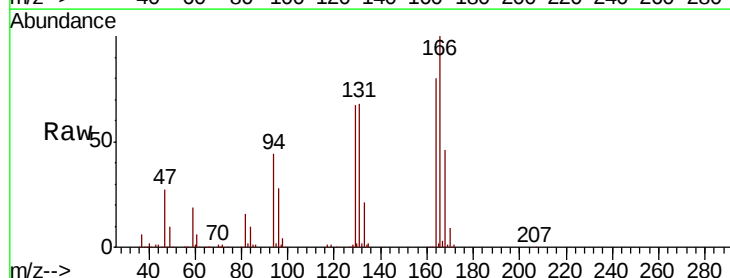
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 550467
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.4
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 46.707 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion:164 Resp: 197250
Ion Ratio Lower Upper
164 100
166 125.6 101.3 151.9
129 84.6 70.5 105.7
131 85.0 66.6 99.8

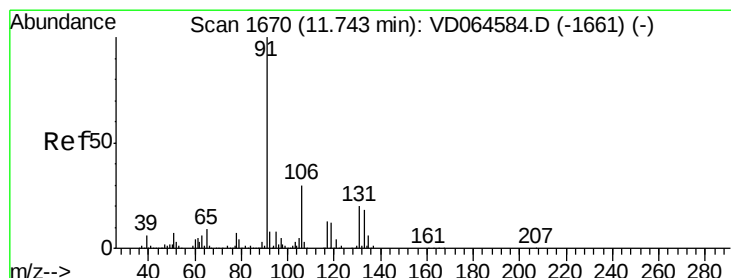
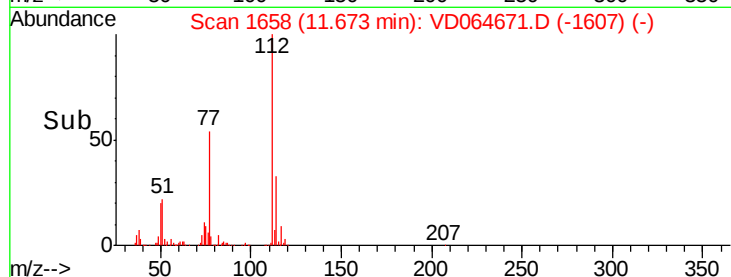
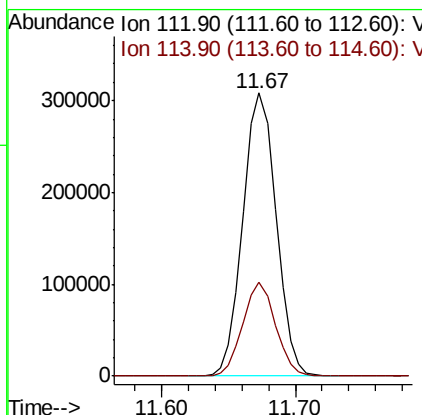
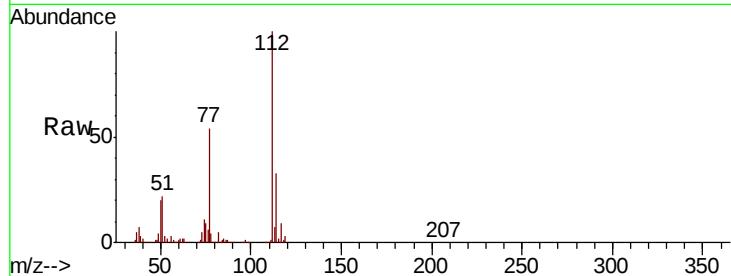




#65
Chlorobenzene
Concen: 46.789 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

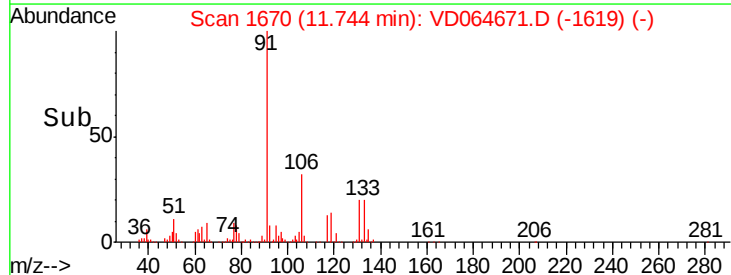
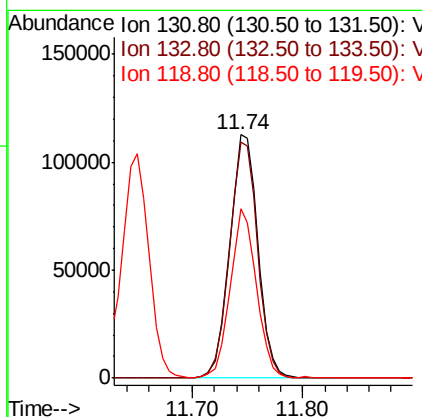
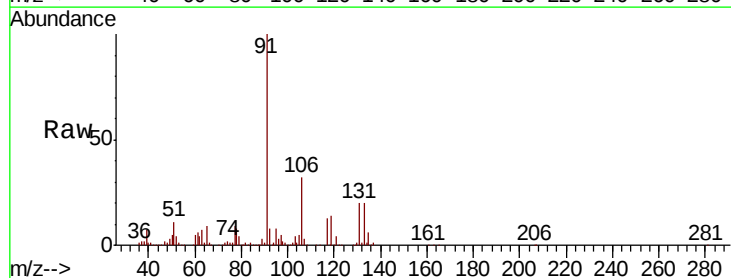
Instrument :
MSVOA_D
ClientSampleId :

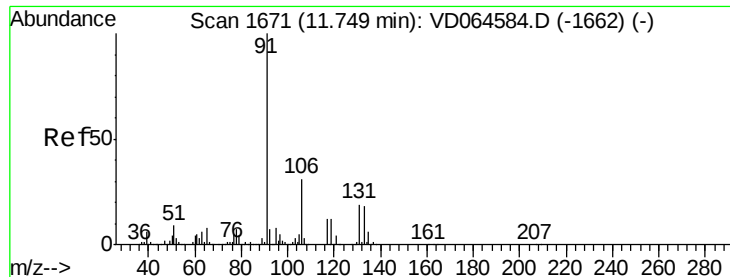
Tot Ion:112 Resp: 534561
Ion Ratio Lower Upper
112 100
114 33.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 47.018 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion:131 Resp: 202508
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.8
119 64.9 32.1 96.3





#67

Ethyl Benzene

Concen: 47.463 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

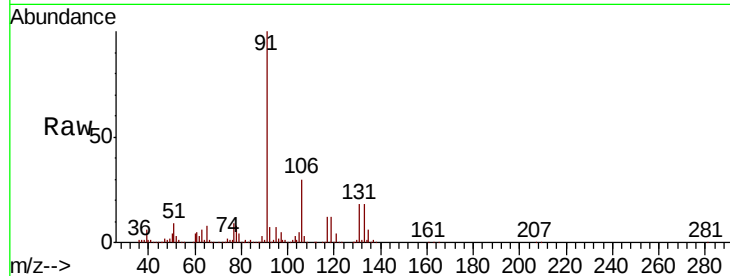
ClientSampleID :

Tot Ion: 91 Resp: 984236

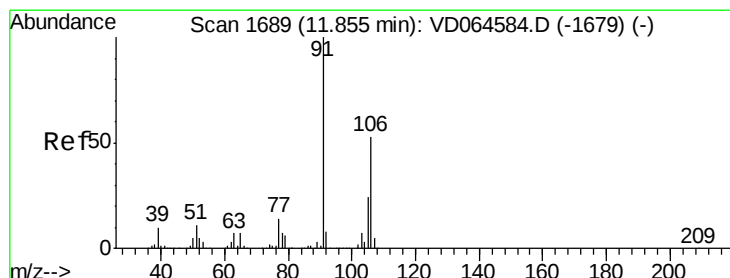
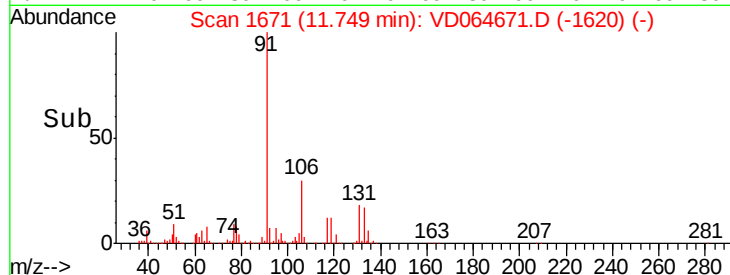
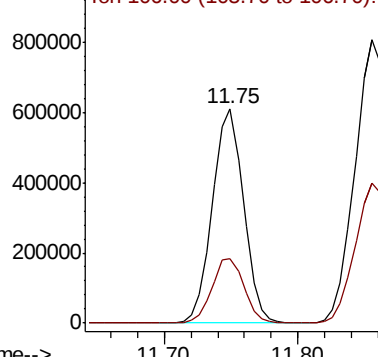
Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 94.227 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064671.D

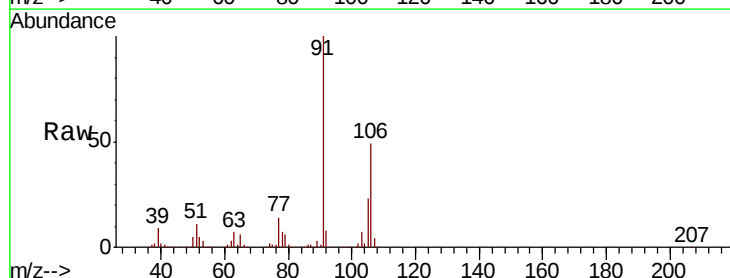
Acq: 30 Dec 2019 11:35

Tgt Ion: 106 Resp: 754188

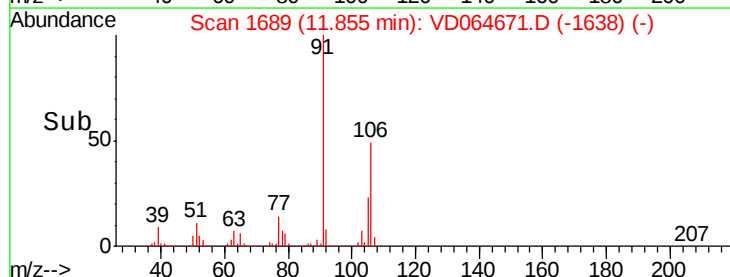
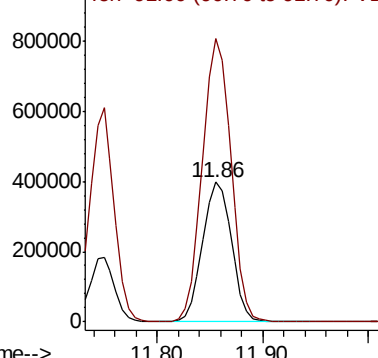
Ion Ratio Lower Upper

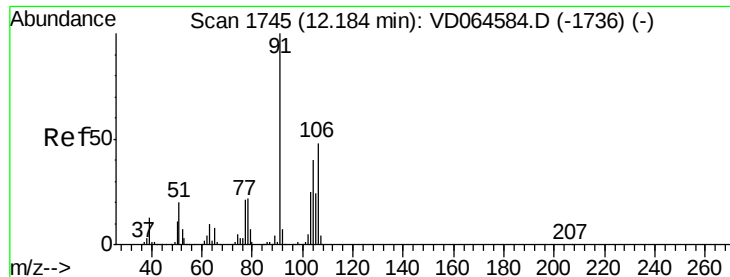
106 100

91 200.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

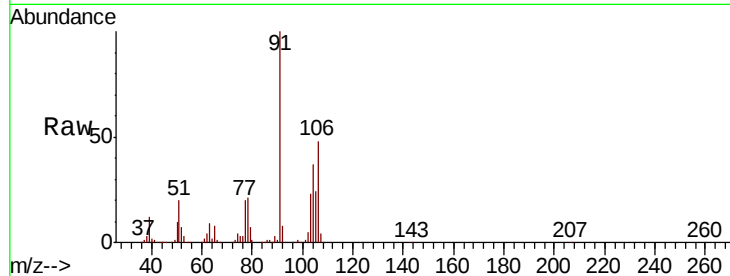




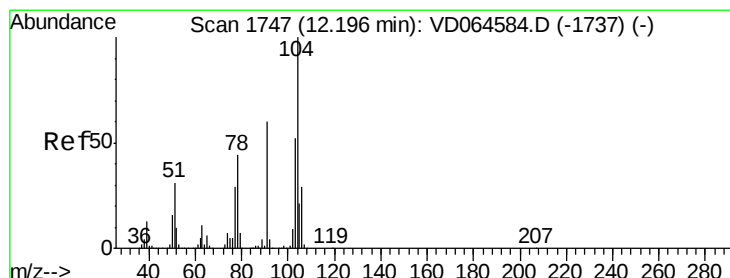
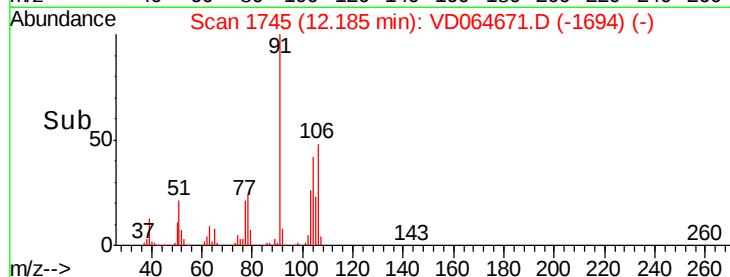
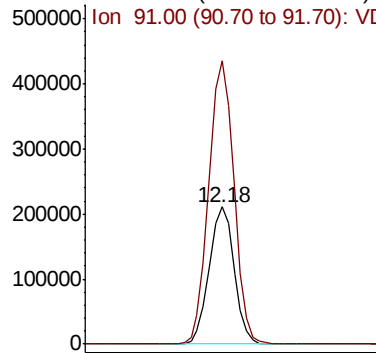
#69
o-Xylene
Concen: 47.538 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 343677
Ion Ratio Lower Upper
106 100
91 209.3 104.8 314.4

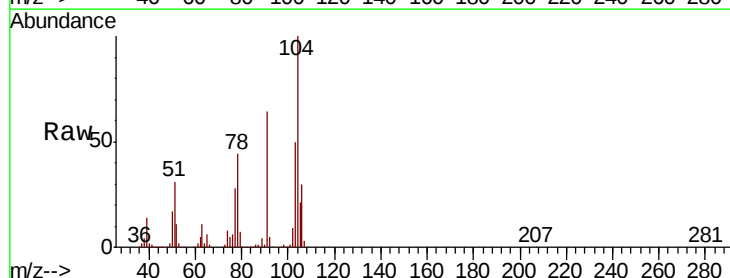


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

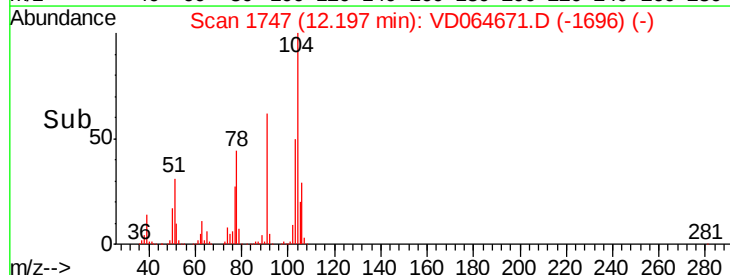
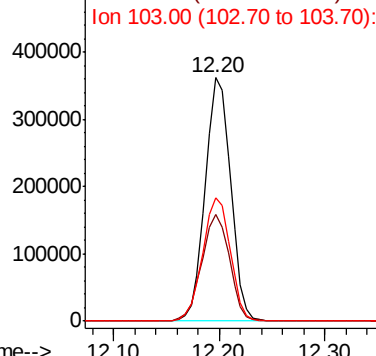


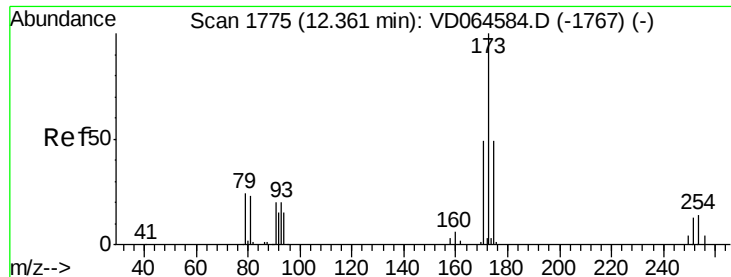
#70
Styrene
Concen: 47.590 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion:104 Resp: 603921
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 54.7 44.6 67.0



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: 46.386 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

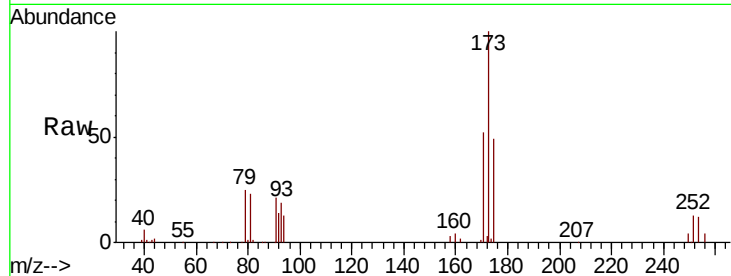
Tot Ion:173 Resp: 113932

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

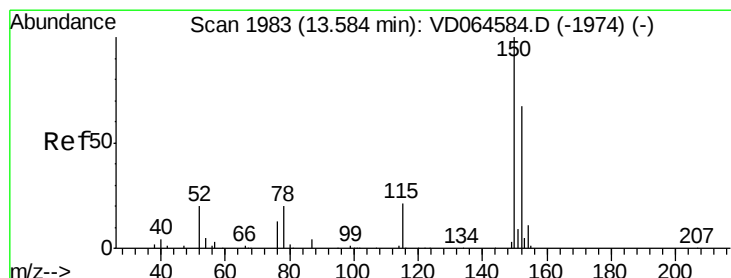
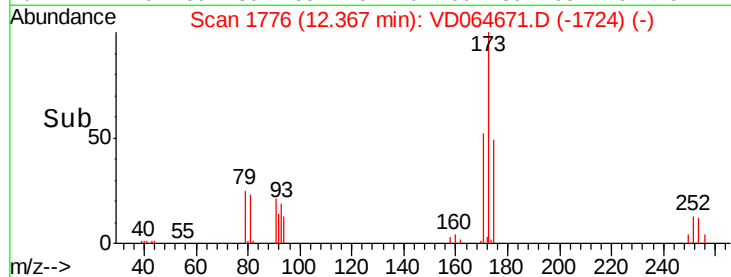
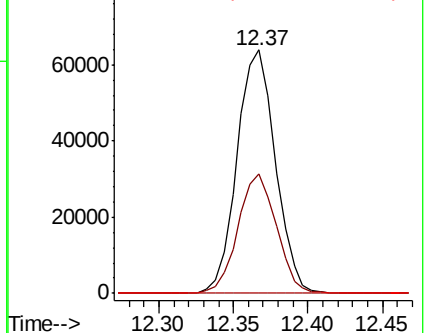
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

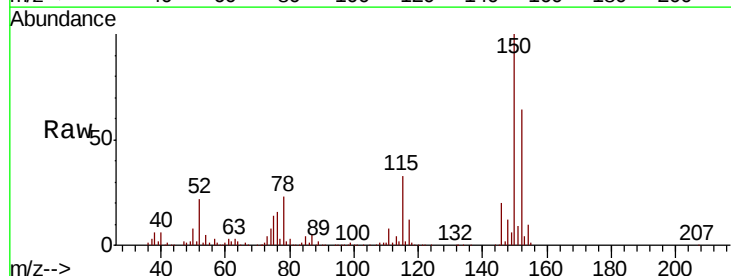
Tgt Ion:152 Resp: 264684

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

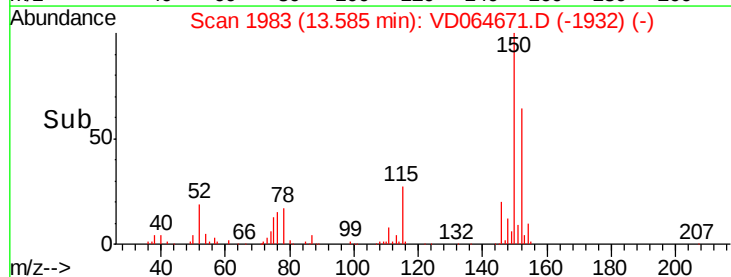
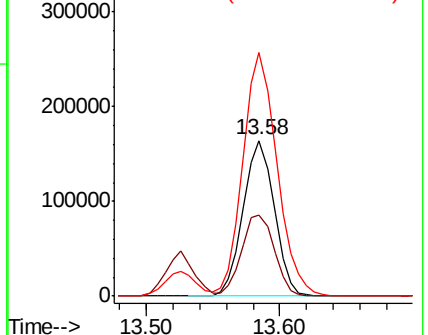
150 171.4 0.0 351.4

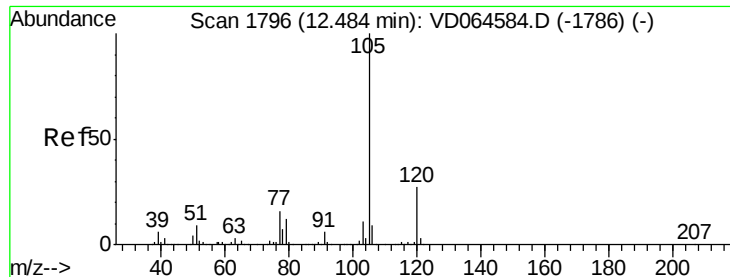


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.532 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

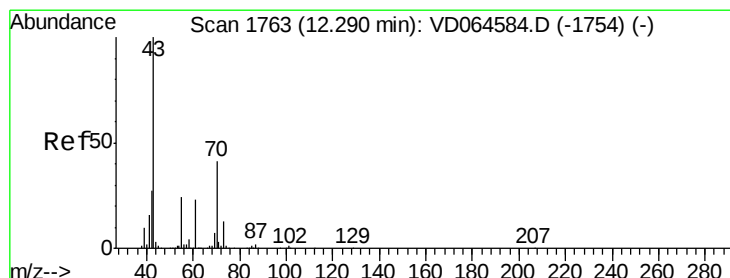
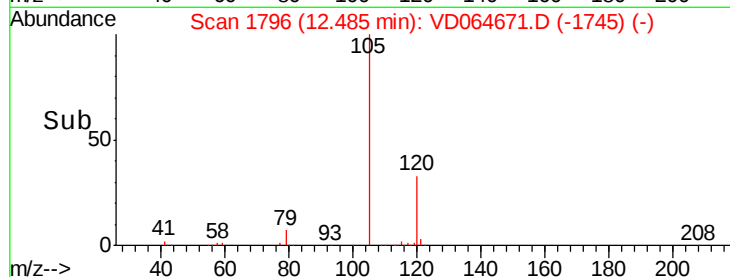
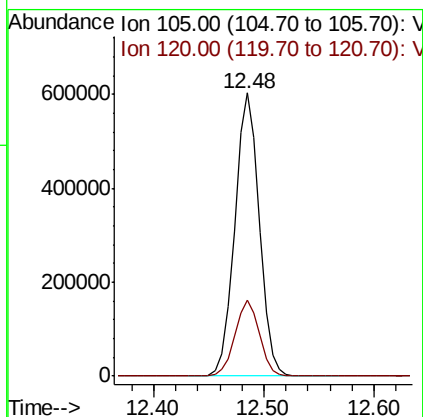
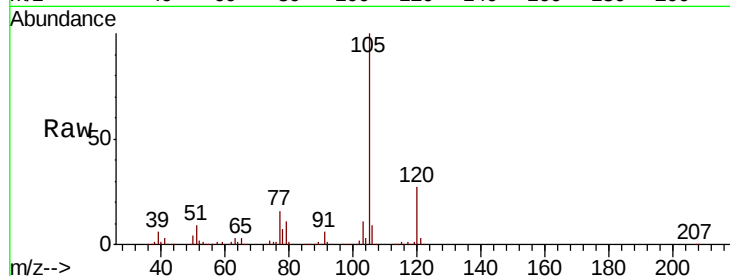
ClientSampleId :

Tot Ion:105 Resp: 936896

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 49.029 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion: 43 Resp: 198242

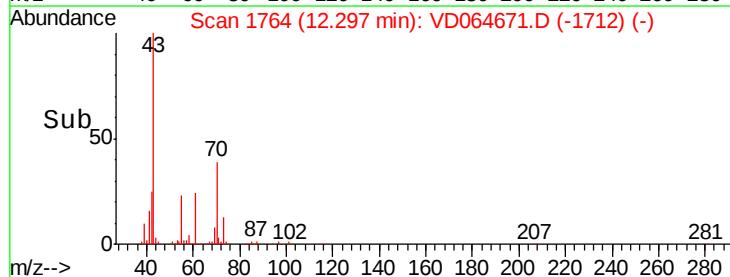
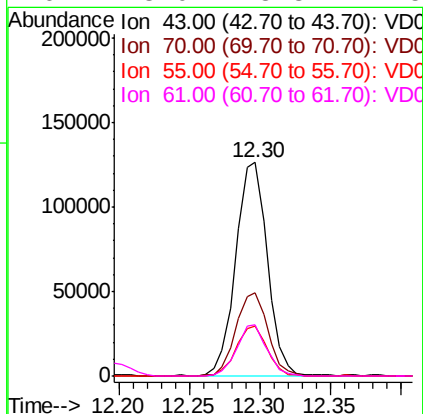
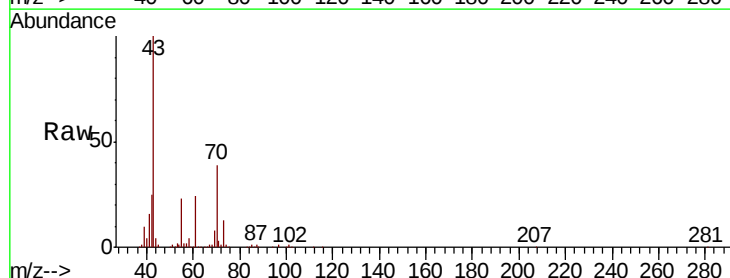
Ion Ratio Lower Upper

43 100

70 39.6 33.4 50.0

55 22.8 19.4 29.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.948 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampled :

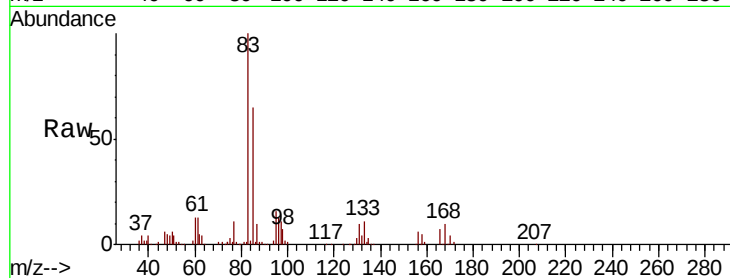
Tot Ion: 83 Resp: 139500

Ion Ratio Lower Upper

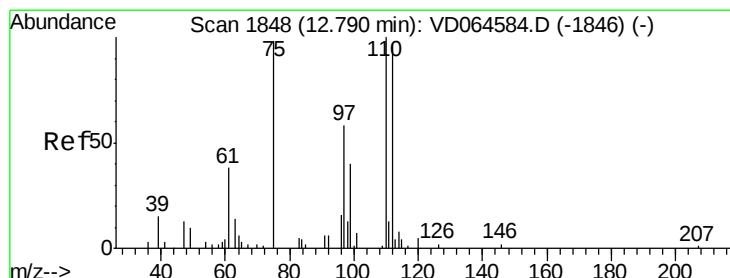
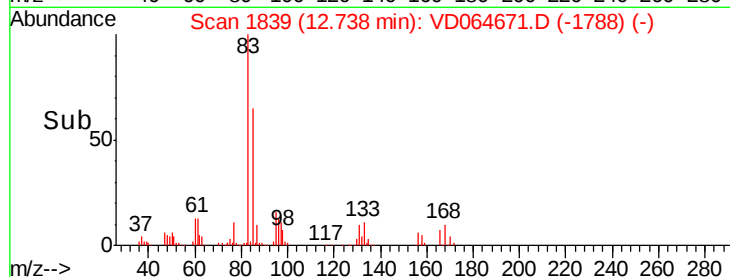
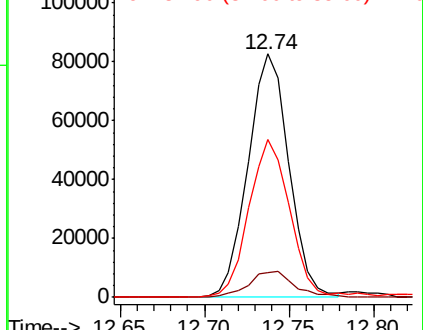
83 100

131 12.1 5.8 17.4

85 64.8 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 89.302 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064671.D

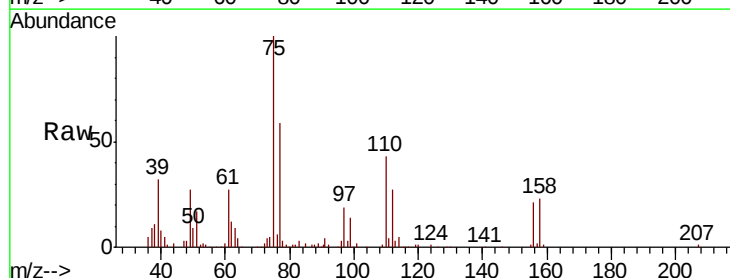
Acq: 30 Dec 2019 11:35

Tgt Ion: 75 Resp: 186651

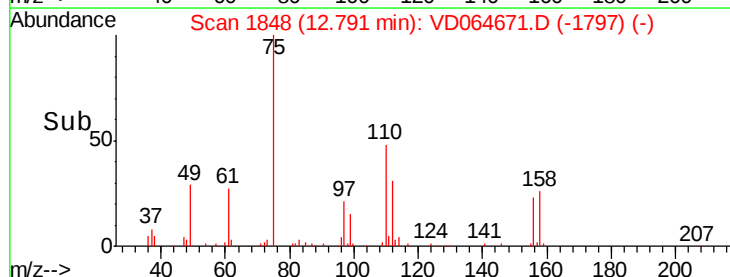
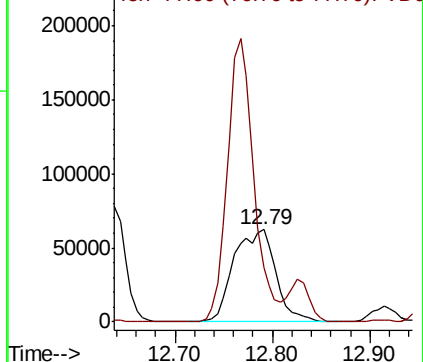
Ion Ratio Lower Upper

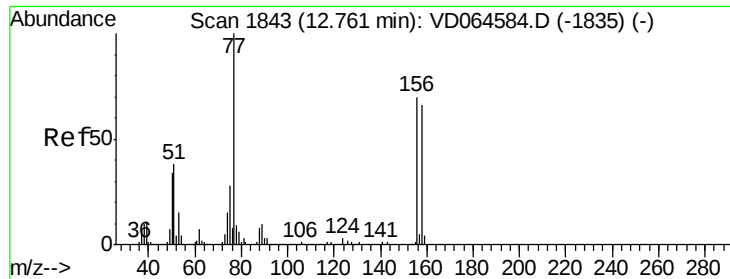
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.537 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

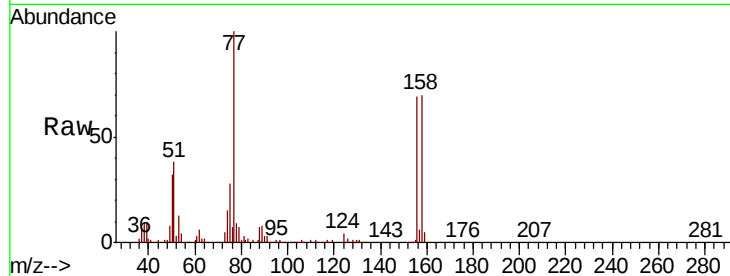
Tot Ion:156 Resp: 220936

Ion Ratio Lower Upper

156 100

77 163.5 80.9 242.7

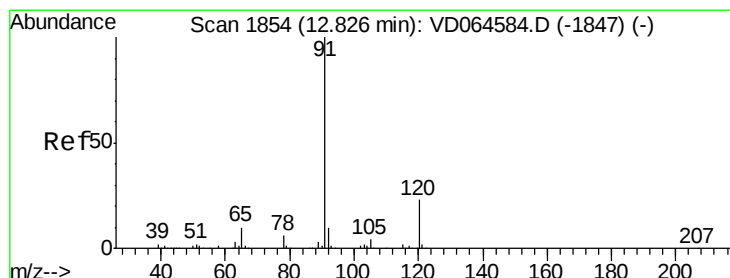
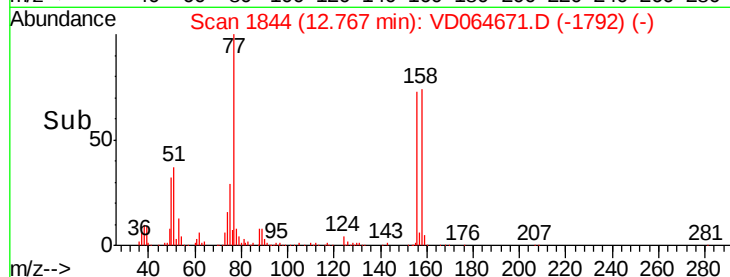
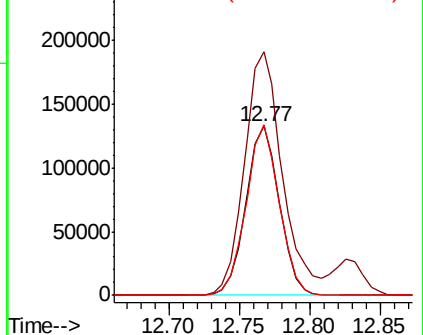
158 99.6 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.987 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064671.D

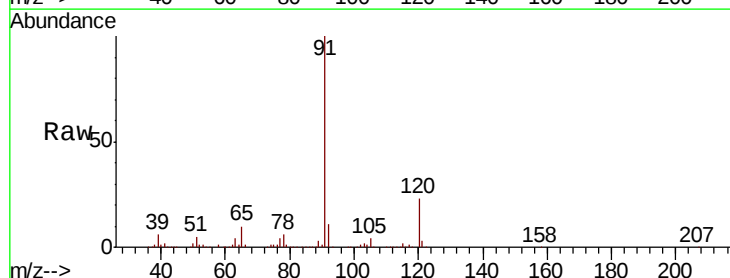
Acq: 30 Dec 2019 11:35

Tgt Ion: 91 Resp: 1103042

Ion Ratio Lower Upper

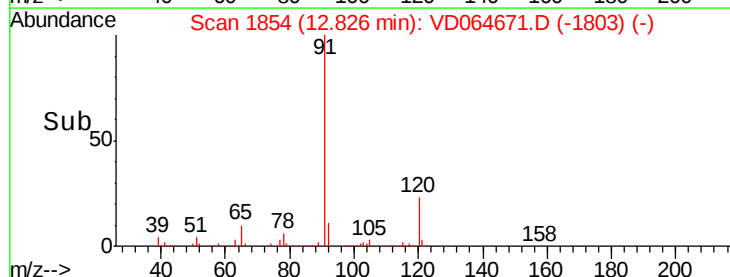
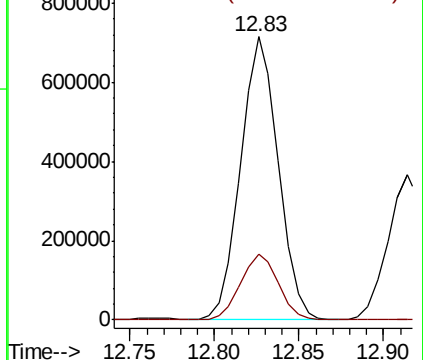
91 100

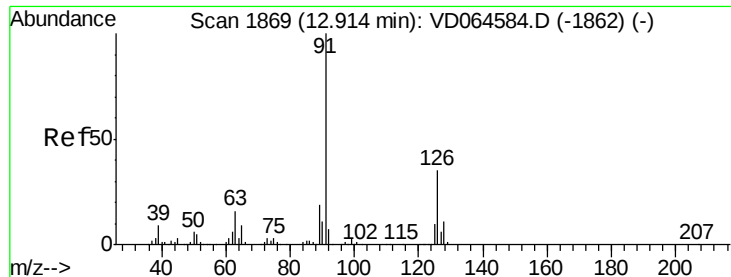
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

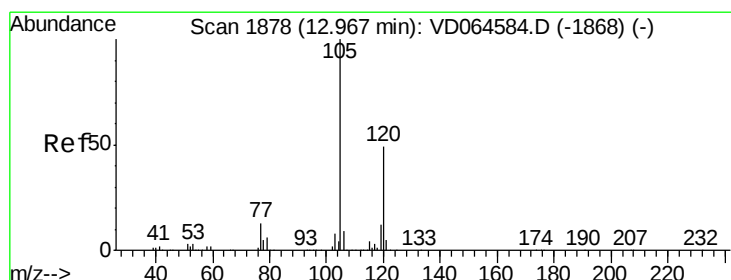
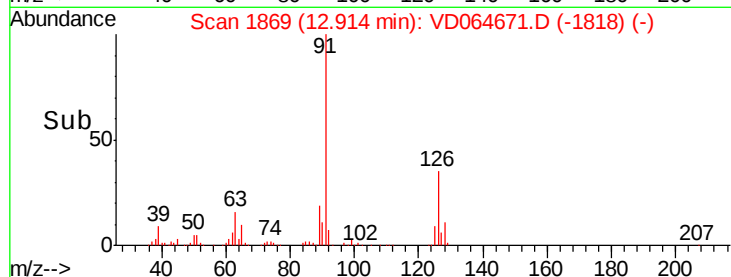
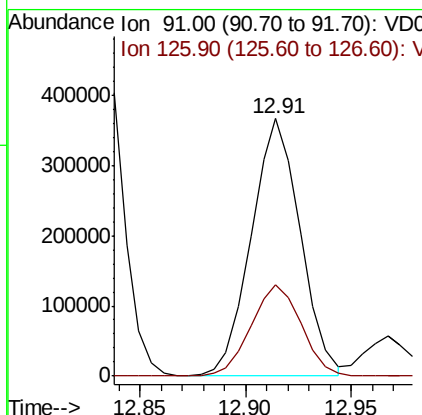
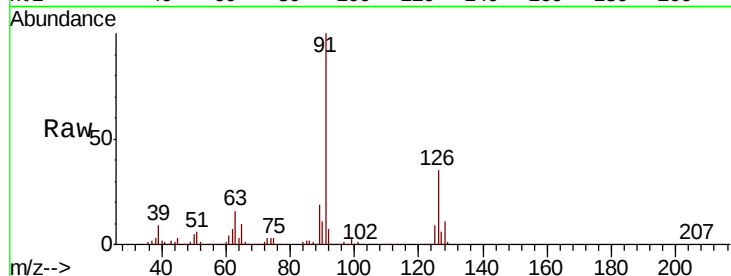




#79
2-Chlorotoluene
Concen: 48.615 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

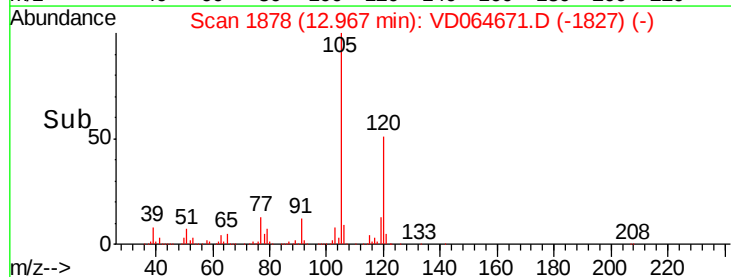
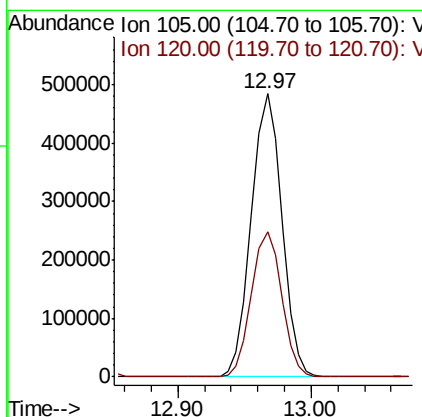
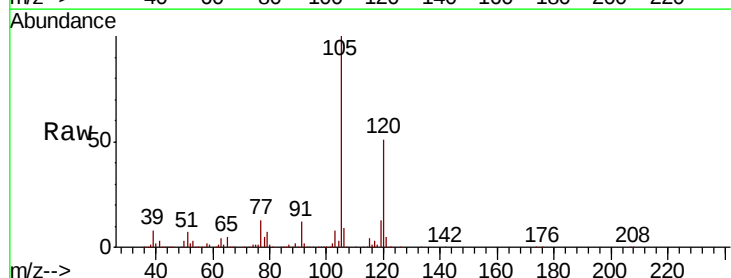
Instrument :
MSVOA_D
ClientSampleId :

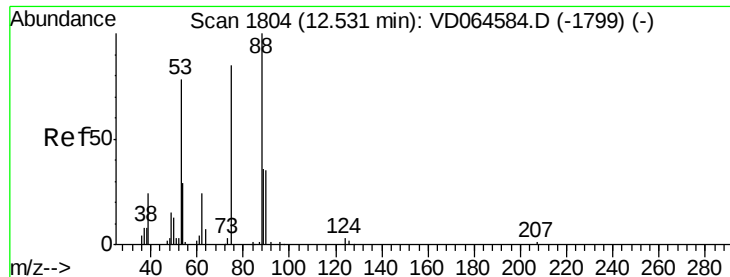
Tot Ion: 91 Resp: 589316
Ion Ratio Lower Upper
91 100
126 36.3 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 49.287 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 105 Resp: 765808
Ion Ratio Lower Upper
105 100
120 51.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.619 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

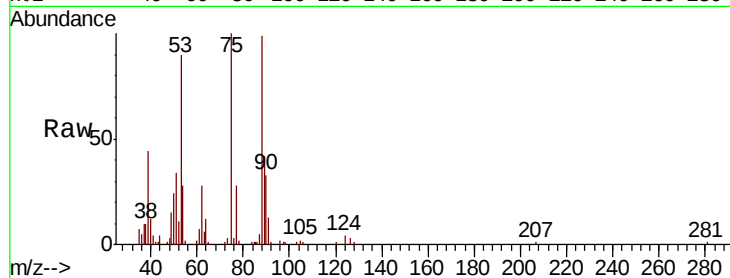
Tot Ion: 75 Resp: 50586

Ion Ratio Lower Upper

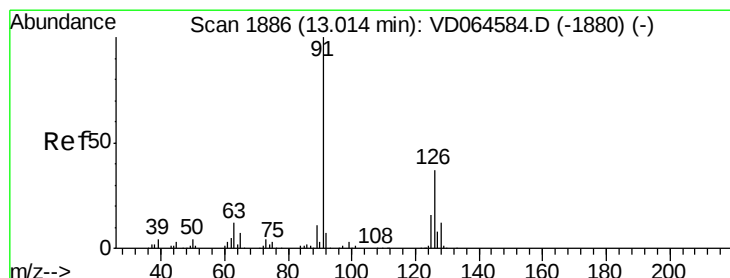
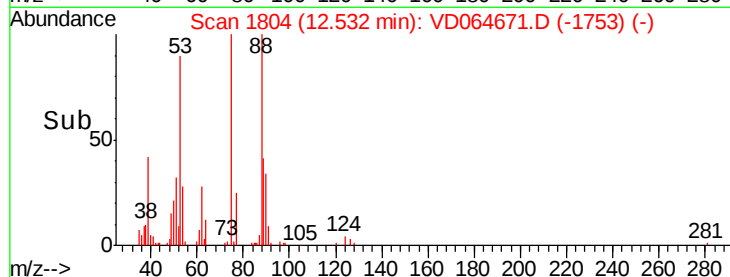
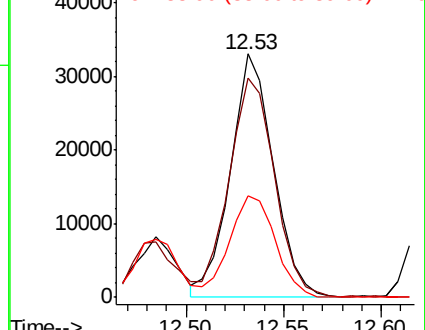
75 100

53 95.7 78.8 118.2

89 43.7 38.3 57.5



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



#82

4-Chlorotoluene

Concen: 48.054 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064671.D

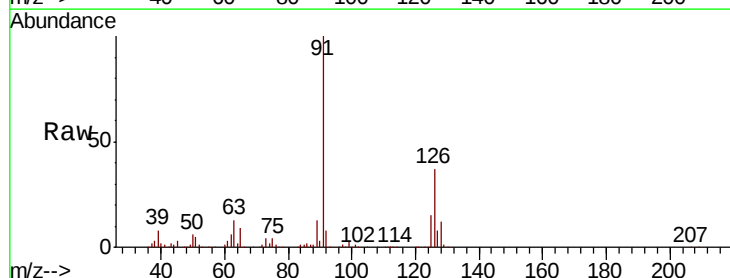
Acq: 30 Dec 2019 11:35

Tgt Ion: 91 Resp: 619908

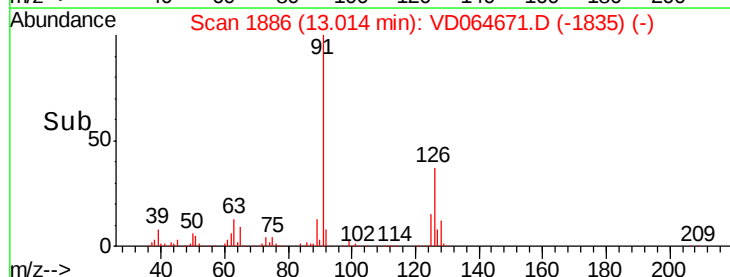
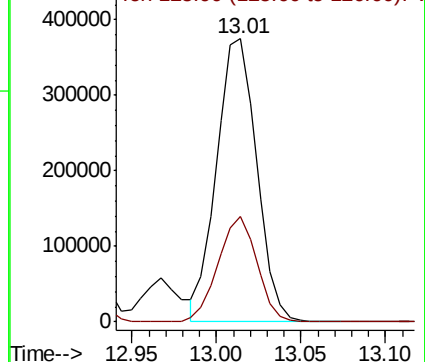
Ion Ratio Lower Upper

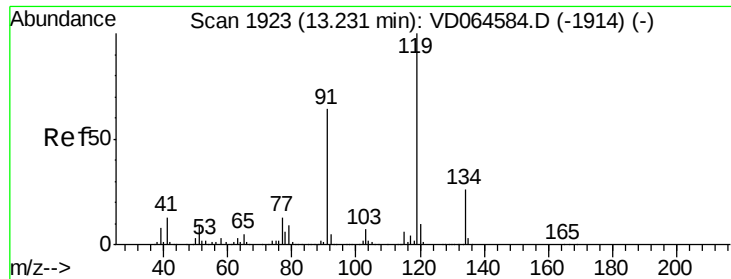
91 100

126 36.2 17.8 53.5



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

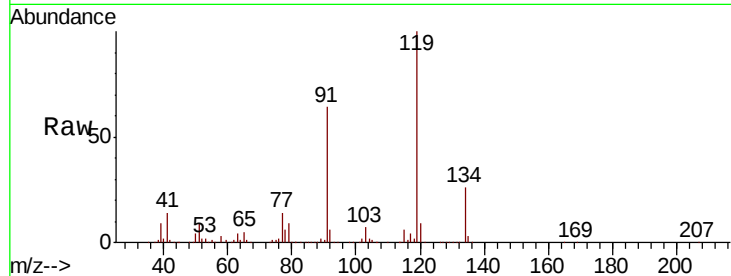




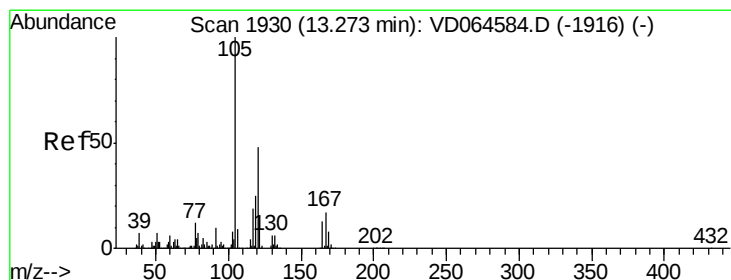
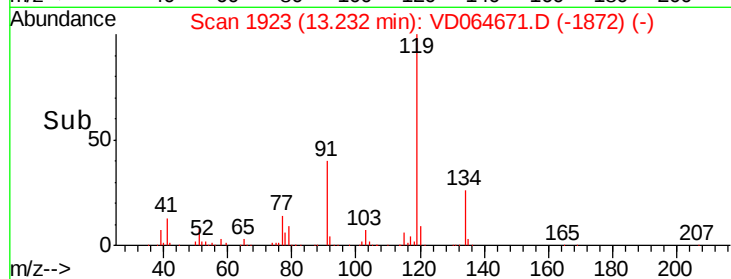
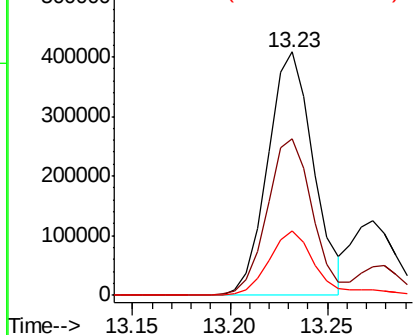
#83
 tert-Butylbenzene
 Concen: 49.195 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 663676
 Ion Ratio Lower Upper
 119 100
 91 64.1 30.8 92.4
 134 27.5 12.8 38.3

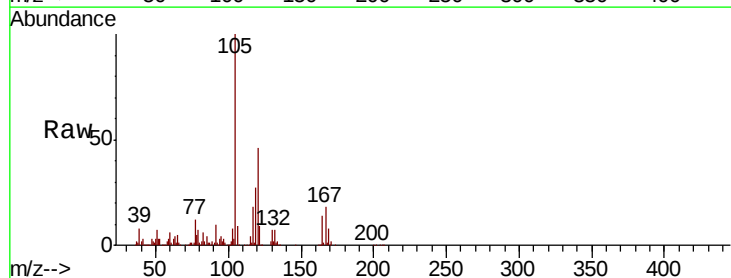


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

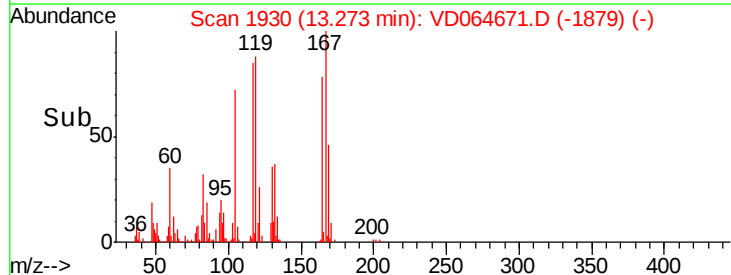
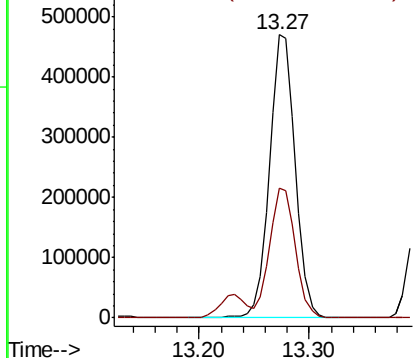


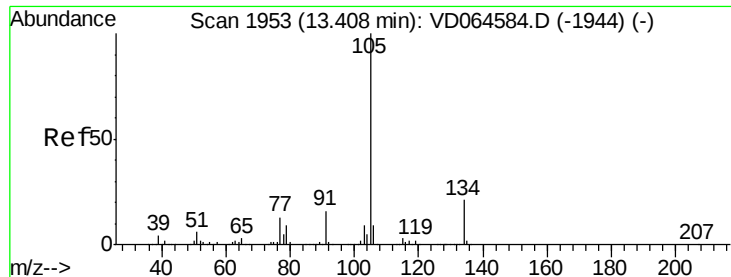
#84
 1,2,4-Trimethylbenzene
 Concen: 49.287 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion:105 Resp: 762699
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 49.635 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

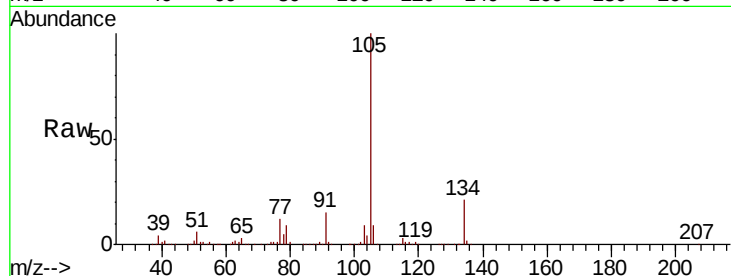
ClientSampleId :

Tot Ion:105 Resp: 917987

Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

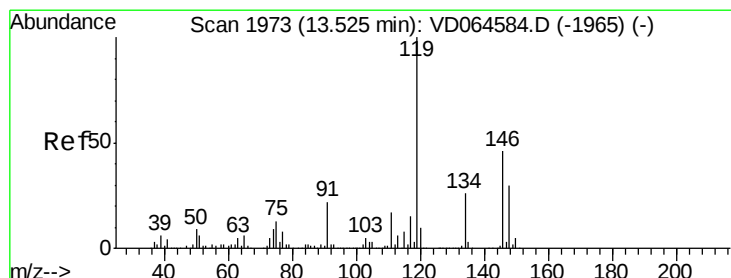
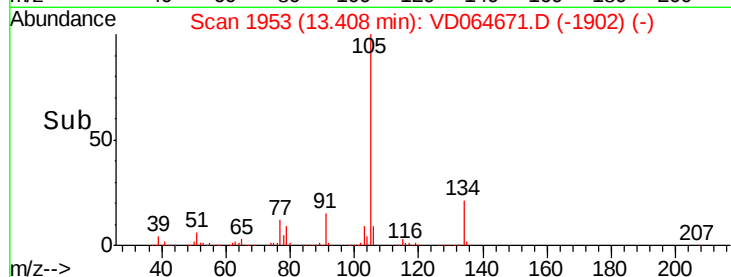
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.769 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

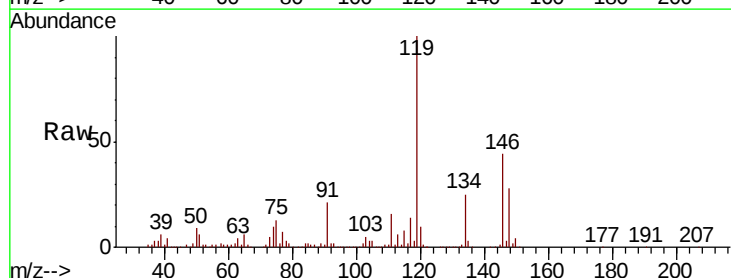
Tgt Ion:119 Resp: 880141

Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.1

91 21.9 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

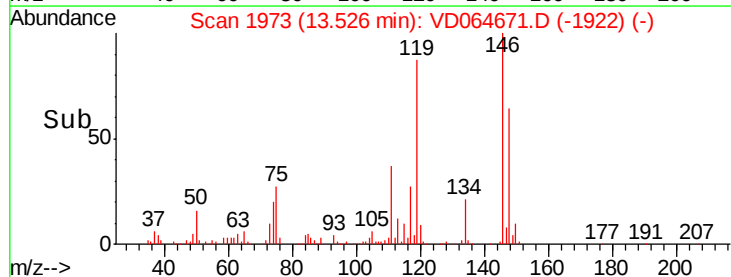
600000

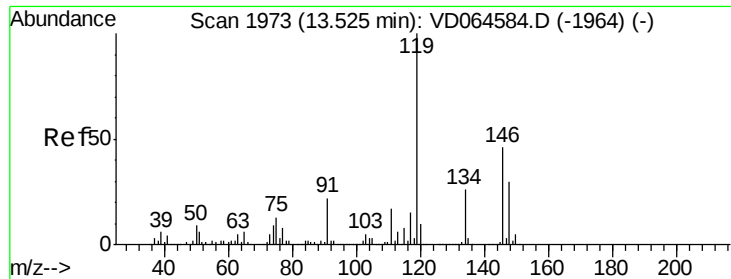
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.312 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

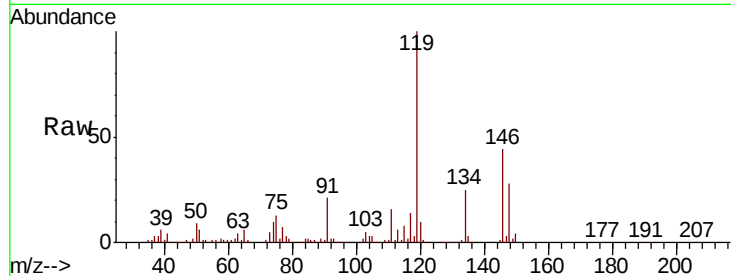
Tot Ion:146 Resp: 428043

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.4

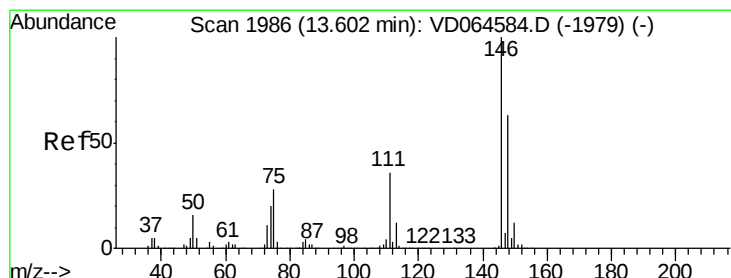
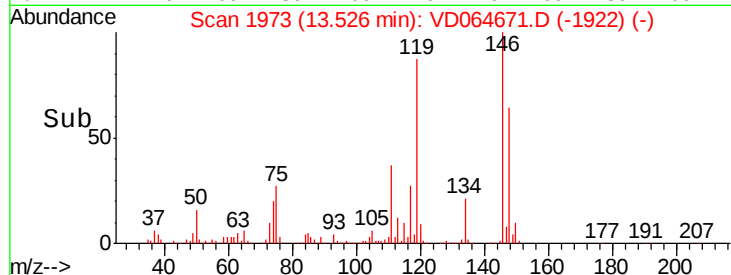
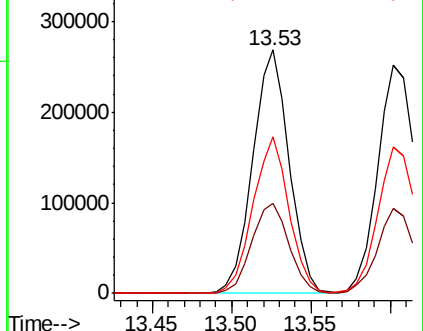
148 63.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.634 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

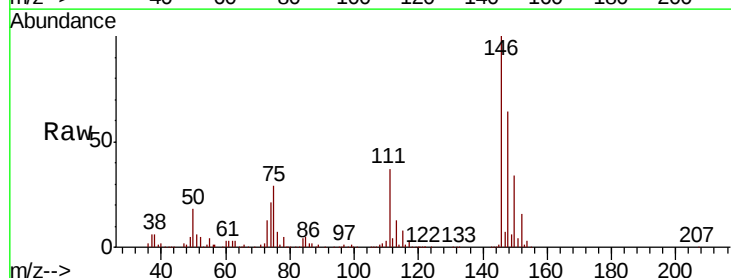
Tgt Ion:146 Resp: 414598

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.1

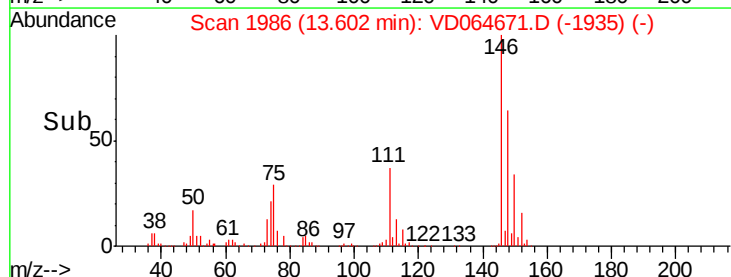
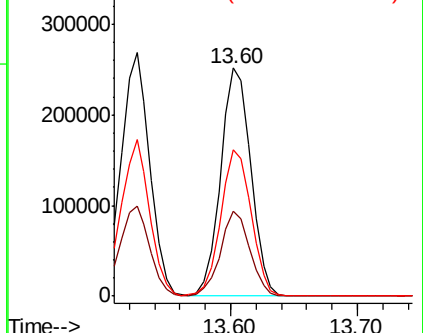
148 64.6 32.3 96.9

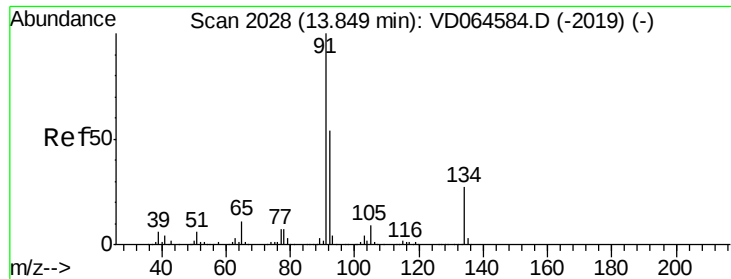


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

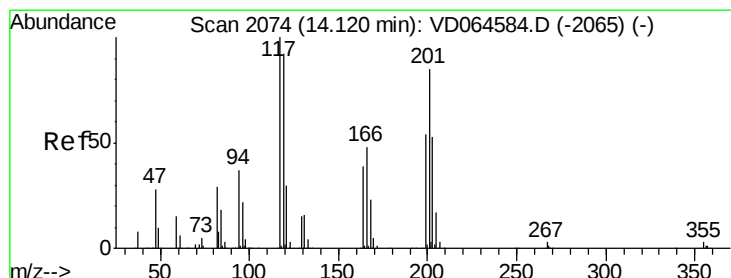
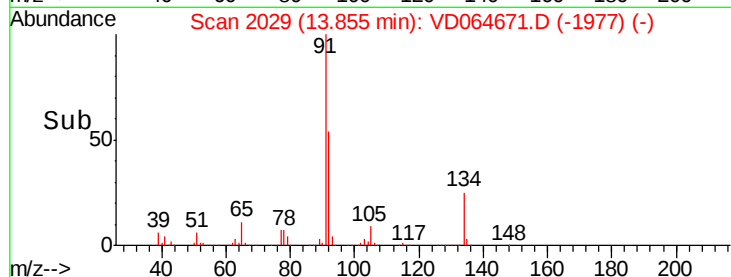
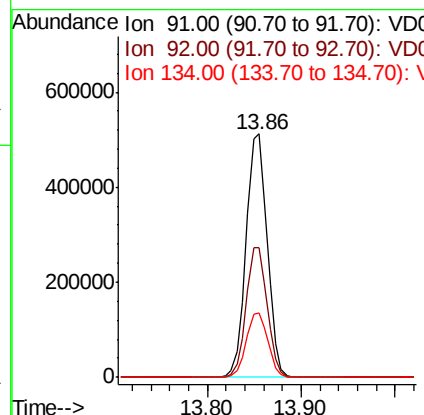
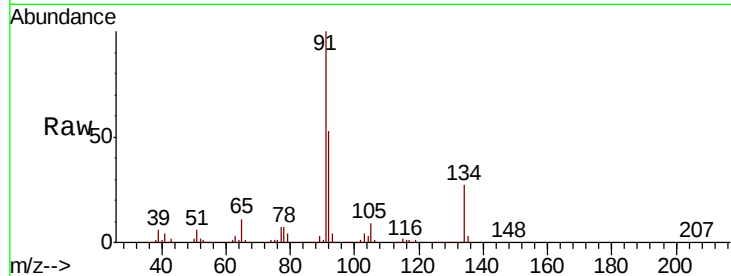




#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

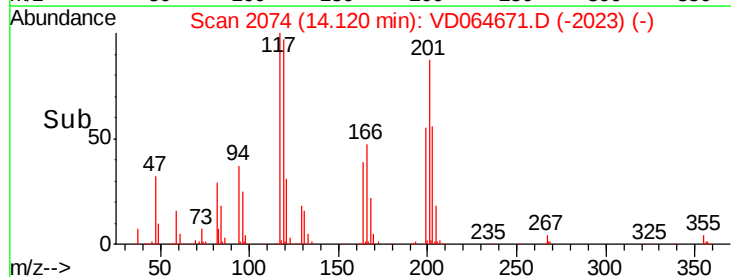
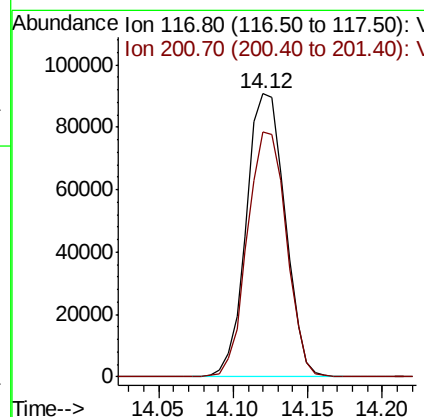
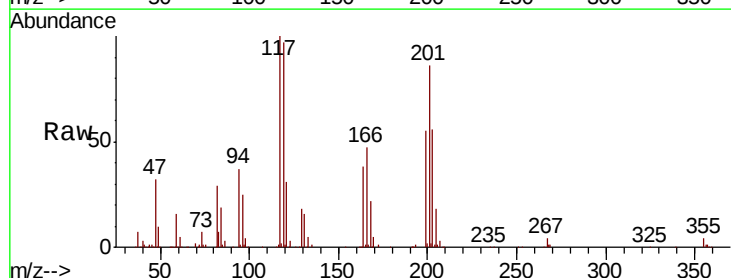
Instrument :
MSVOA_D
ClientSampleId :

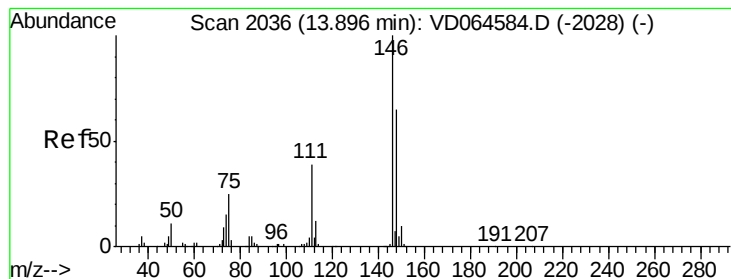
Tot Ion: 91 Resp: 796274
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 27.0 14.0 41.9



#90
Hexachloroethane
Concen: 48.285 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 117 Resp: 163114
Ion Ratio Lower Upper
117 100
201 87.0 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 47.162 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

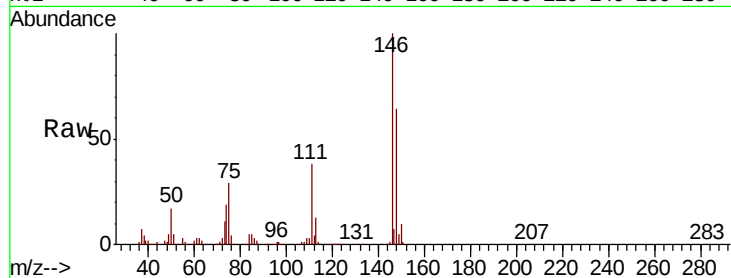
Tot Ion:146 Resp: 356306

Ion Ratio Lower Upper

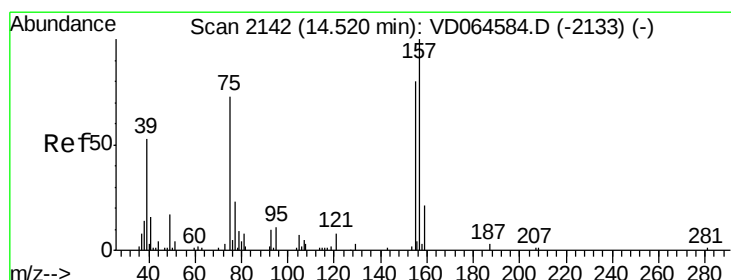
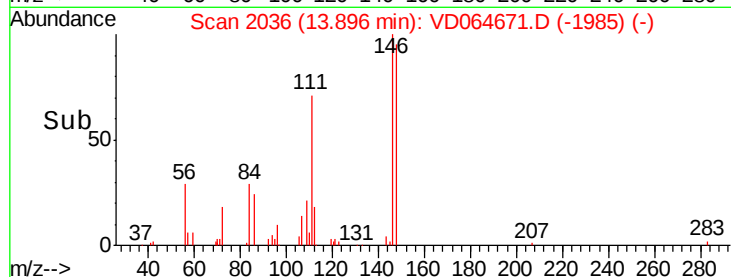
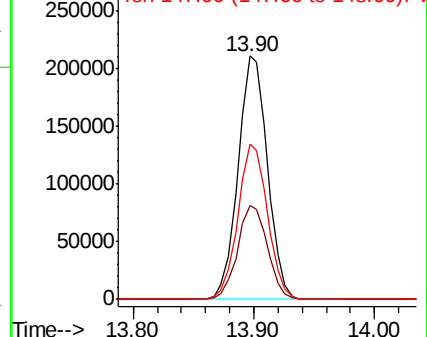
146 100

111 39.4 19.3 57.9

148 64.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.387 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

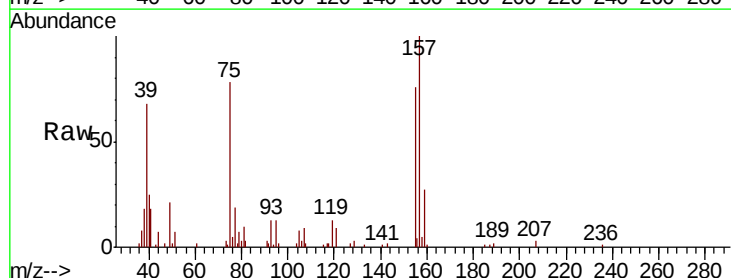
Tgt Ion: 75 Resp: 22826

Ion Ratio Lower Upper

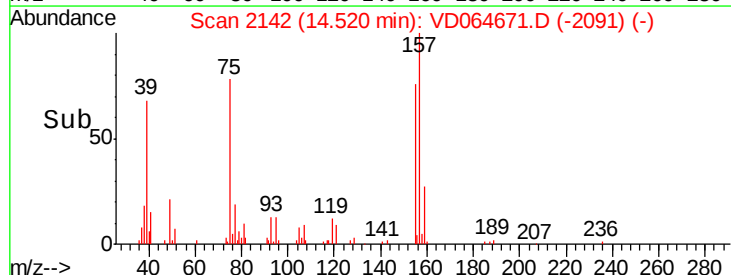
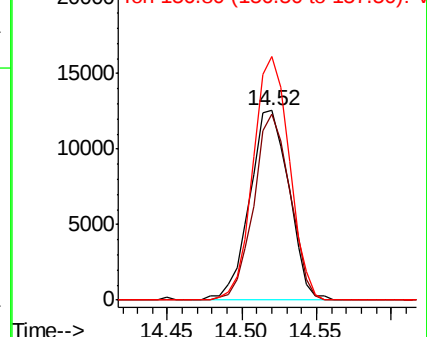
75 100

155 90.7 48.0 144.0

157 118.2 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

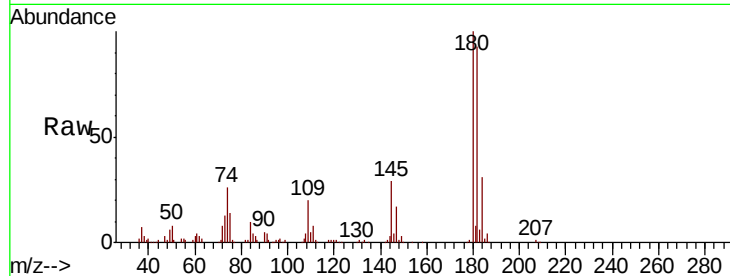




#93
 1,2,4-Trichlorobenzene
 Concen: 47.102 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.2
145	28.0	13.8	41.4

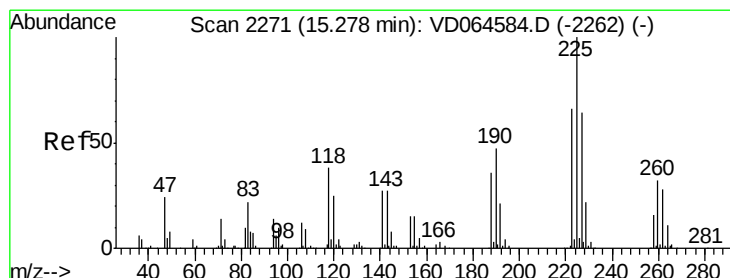
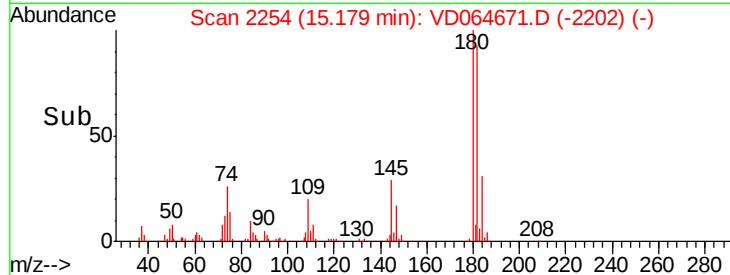
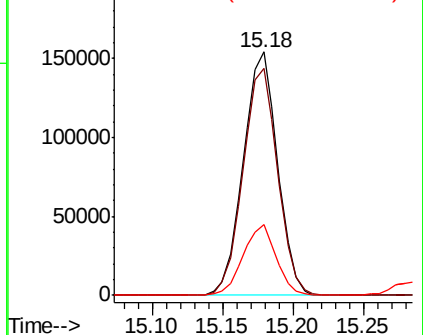


Abundance

Ion 179.80 (179.50 to 180.50): V

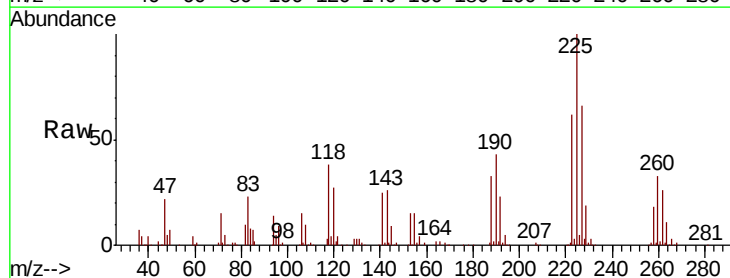
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.883 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.2
227	64.4	30.9	92.7

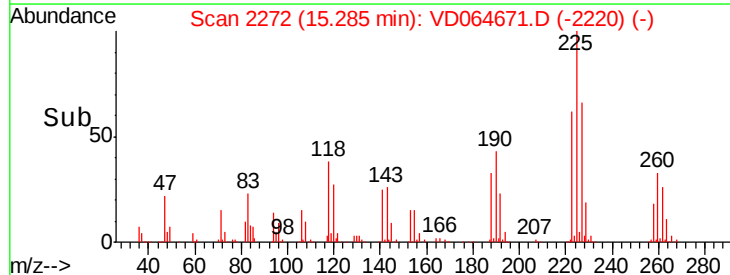
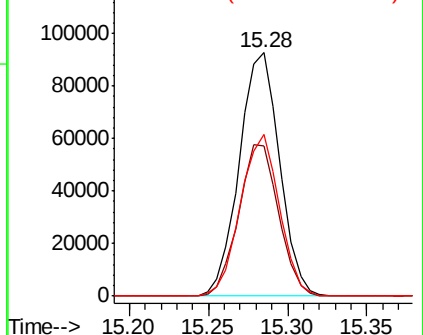


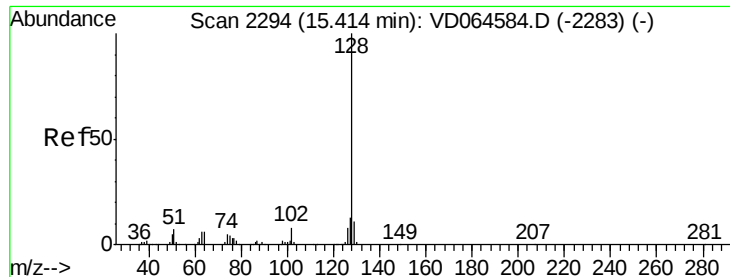
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

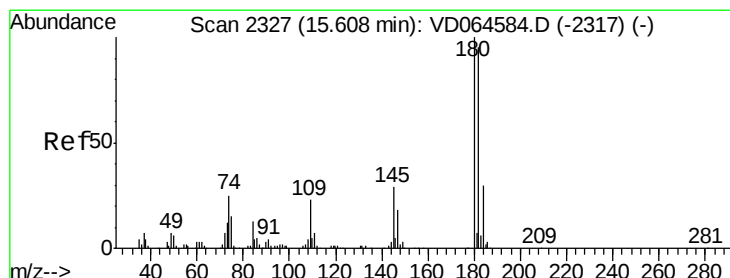
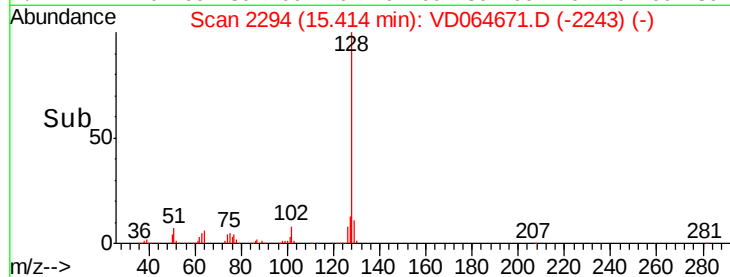
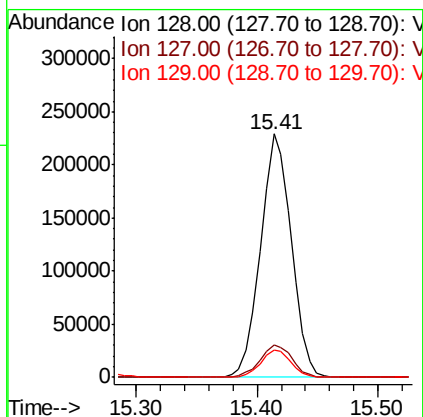
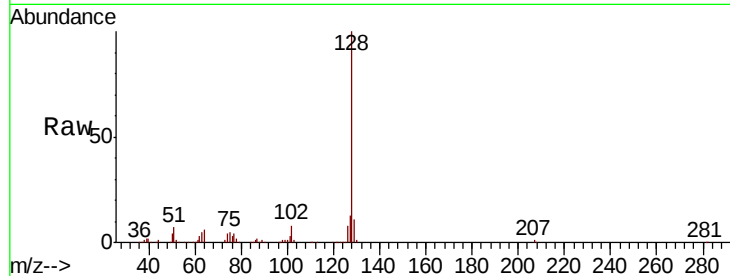




#95
Naphthalene
Concen: 45.795 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	11.2	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.235 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	29.8	14.9	44.7

