

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064441.D
 Acq On : 05 Dec 2019 17:31
 Operator : VA/SY
 Sample : K6174-01RE
 Misc : 10.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-COMPRES

Quant Time: Dec 06 05:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	774326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1224840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1157458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	567745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	316316	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
35) Dibromofluoromethane	7.92	113	316027	40.95	ug/l	0.00
Spiked Amount			Recovery	=	81.90%	
50) Toluene-d8	10.34	98	2141926	73.68	ug/l	0.00
Spiked Amount			Recovery	=	147.36%	
62) 4-Bromofluorobenzene	12.63	95	610966	65.40	ug/l	0.00
Spiked Amount			Recovery	=	130.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.47	59	7058	15.820	ug/l #	100
13) Acrolein	3.87	56	11454	18.822	ug/l #	1
14) Allyl chloride	4.79	41	321915	29.555	ug/l #	62
15) Acrylonitrile	5.49	53	347318	225.023	ug/l #	39
16) Acetone	4.12	43	355759	251.183	ug/l #	56
18) Methyl Acetate	4.79	43	236525	57.251	ug/l #	51
20) Methylene Chloride	4.96	84	16234	Below Cal	#	1
23) Vinyl Acetate	6.34	43	52027	4.104	ug/l #	79
25) 2-Butanone	7.21	43	111710	55.772	ug/l #	52
26) 2,2-Dichloropropane	7.03	77	58104	5.167	ug/l #	55
29) Tetrahydrofuran	7.56	42	15427	12.106	ug/l #	33
30) Chloroform	7.67	83	486684	36.340	ug/l #	18
31) Cyclohexane	7.98	56	7785934	754.253	ug/l	94
37) Ethyl Acetate	7.21	43	111710	22.724	ug/l #	69
38) Carbon Tetrachloride	7.98	117	71036	5.810	ug/l #	15
39) Methylcyclohexane	9.36	83	20230031	1407.694	ug/l #	80
41) Methacrylonitrile	7.56	41	158898	56.363	ug/l #	59
42) 1,2-Dichloroethane	8.47	62	18853	2.009	ug/l #	1
43) Isopropyl Acetate	8.45	43	1148715	118.846	ug/l #	52
45) 1,2-Dichloropropane	9.36	63	248776	32.328	ug/l #	1
47) Bromodichloromethane	9.64	83	721745	64.673	ug/l #	26
48) Methyl methacrylate	9.54	41	1500290	339.210	ug/l #	66
49) 1,4-Dioxane	9.45	88	79	1.473	ug/l #	25
51) 4-Methyl-2-Pentanone	10.34	43	475654	99.459	ug/l #	45
52) Toluene	10.41	92	36222	1.727	ug/l #	62
55) 1,1,2-Trichloroethane	10.78	97	1876559	315.536	ug/l #	20
56) Ethyl methacrylate	10.68	69	803736	105.959	ug/l #	5
58) 2-Chloroethyl Vinyl ether	9.92	63	13398	4.431	ug/l #	49
59) 2-Hexanone	10.96	43	1412429	425.625	ug/l #	31
61) 1,2-Dibromoethane	11.22	107	13110	2.208	ug/l #	1
67) Ethyl Benzene	11.75	91	1806195	42.051	ug/l	98
68) m/p-Xylenes	11.86	106	2024762	123.633	ug/l	99
69) o-Xylene	12.18	106	41552	2.747	ug/l	77
71) Bromoform	12.28	173	7306	1.366	ug/l #	27

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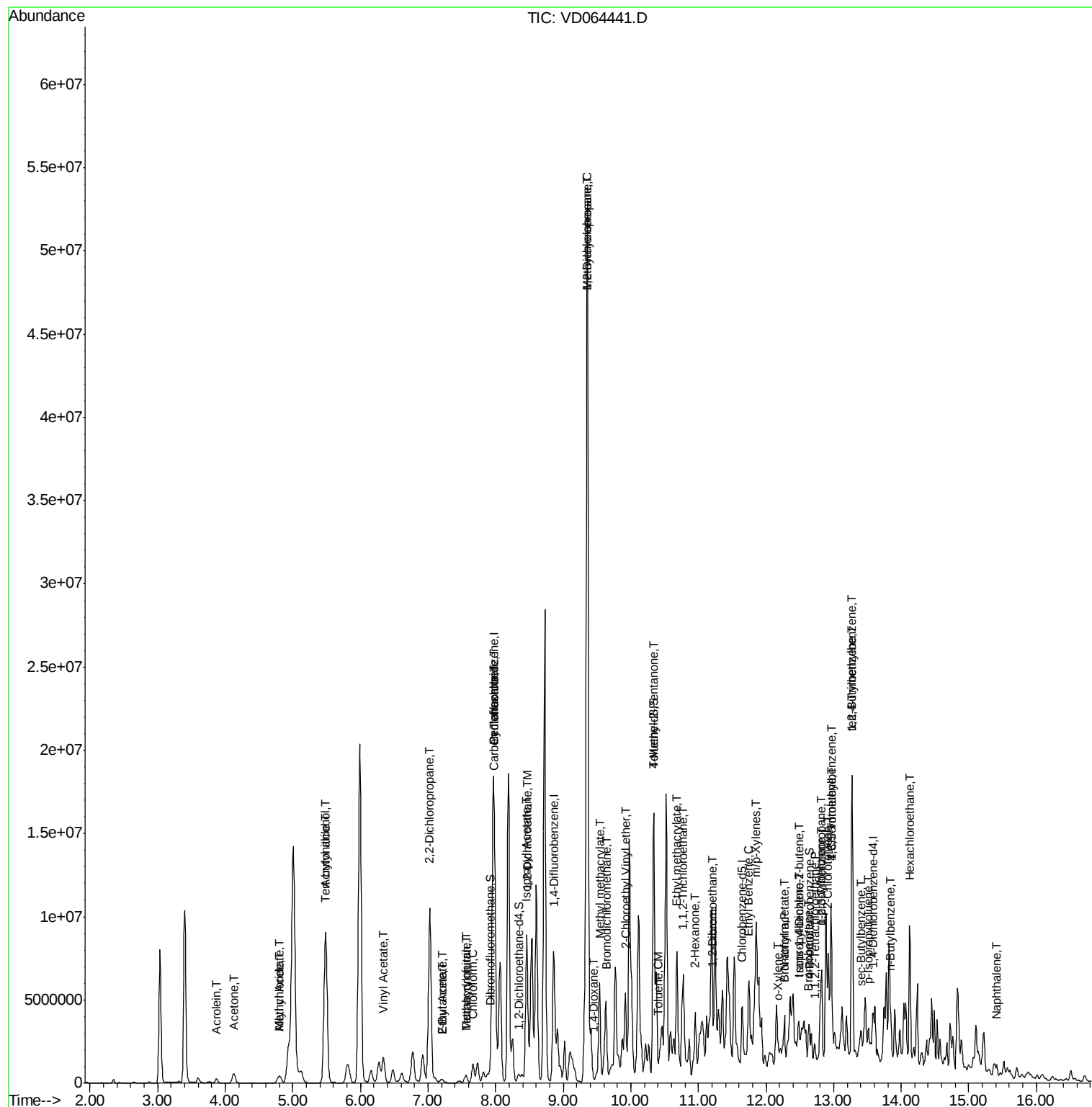
73) Isopropylbenzene	12.48	105	1344364	32.924	ug/l	100
74) N-amyl acetate	12.27	43	617693	66.651	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.72	83	36448	5.398	ug/l #	56
76) 1,2,3-Trichloropropane	12.83	75	22624	4.846	ug/l #	100
77) Bromobenzene	12.62	156	208811	20.708	ug/l #	1
78) n-propylbenzene	12.83	91	3907255	82.933	ug/l	100
79) 2-Chlorotoluene	12.92	91	370788	14.303	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.97	105	3412356	102.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	15605	7.288	ug/l #	1
82) 4-Chlorotoluene	12.97	91	369848	13.475	ug/l #	44
83) tert-Butylbenzene	13.27	119	1241382	42.792	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.27	105	9167657	273.230	ug/l	97
85) sec-Butylbenzene	13.41	105	911299	22.888	ug/l #	62
86) p-Isopropyltoluene	13.52	119	502539	13.369	ug/l	96
89) n-Butylbenzene	13.85	91	1220293	35.748	ug/l #	74
90) Hexachloroethane	14.13	117	415843	59.148	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.64	75	1716	Below Cal		79
95) Naphthalene	15.41	128	463825	22.188	ug/l #	95

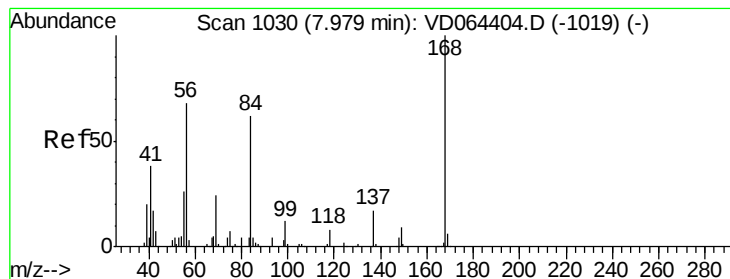
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

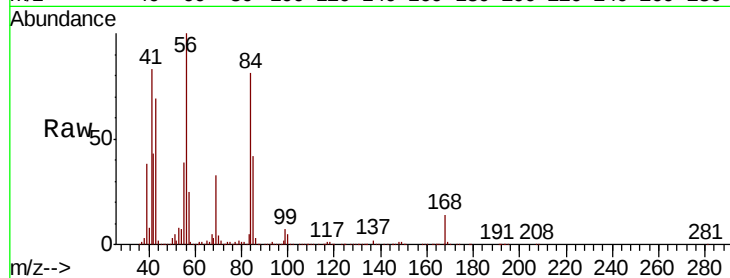
SOLID-COMPRES

Tot Ion:168 Resp: 774326

Ion Ratio Lower Upper

168 100

99 52.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

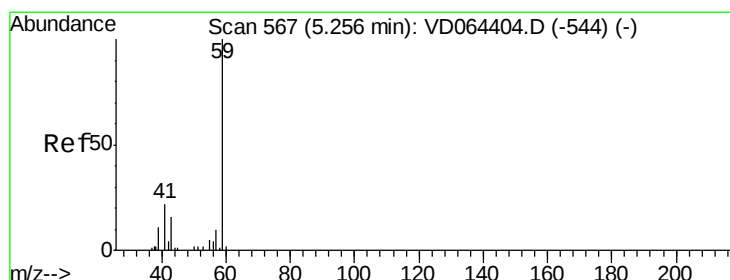
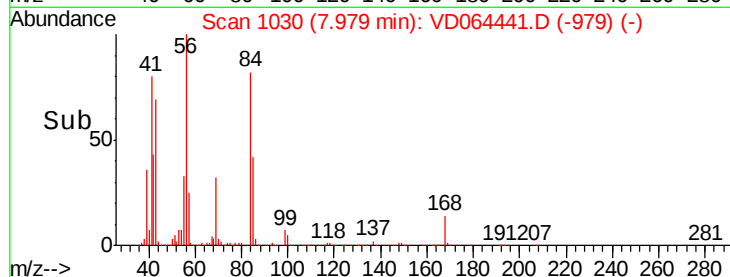
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 15.820 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.21 min

Lab File: VD064441.D

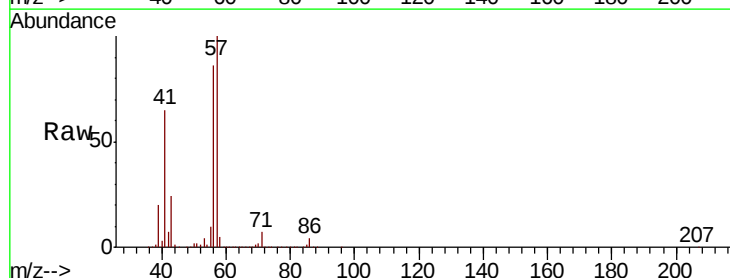
Acq: 05 Dec 2019 17:31

Tgt Ion: 59 Resp: 7058

Ion Ratio Lower Upper

59 100

57 122970.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

3000000

2500000

2000000

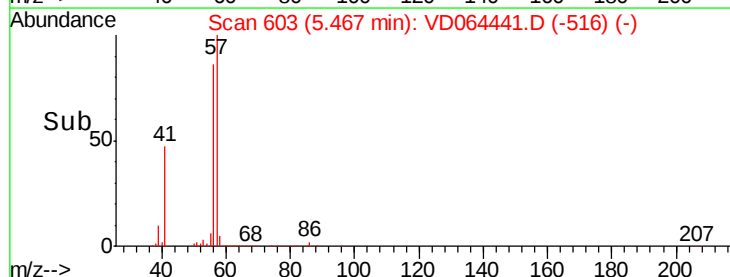
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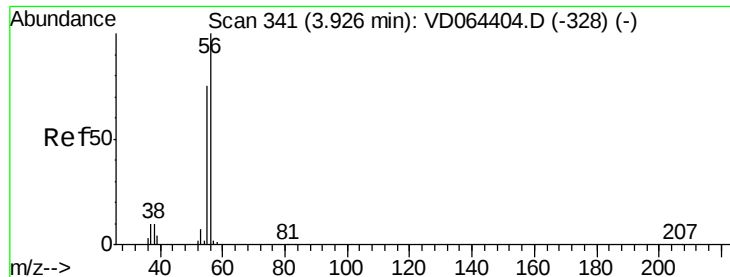
1000000

500000

0

Time-->





#13

Acrolein

Concen: 18.822 ug/l

RT: 3.87 min Scan# 332

Delta R.T. -0.05 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

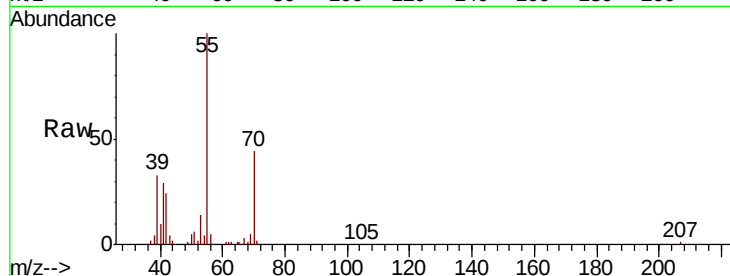
SOLID-COMPRES

Tot Ion: 56 Resp: 11454

Ion Ratio Lower Upper

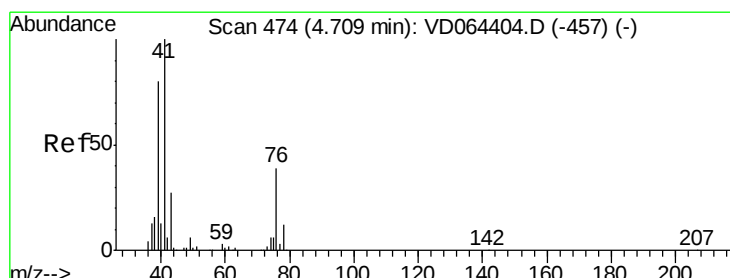
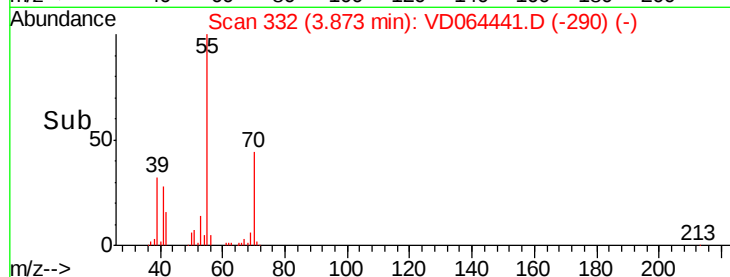
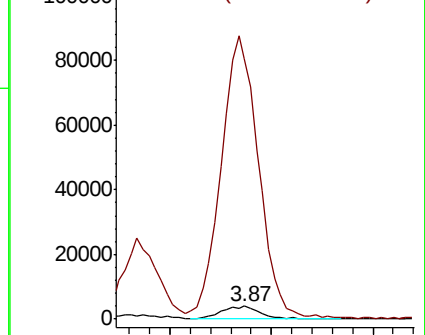
56 100

55 1913.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 29.555 ug/l

RT: 4.79 min Scan# 488

Delta R.T. 0.08 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

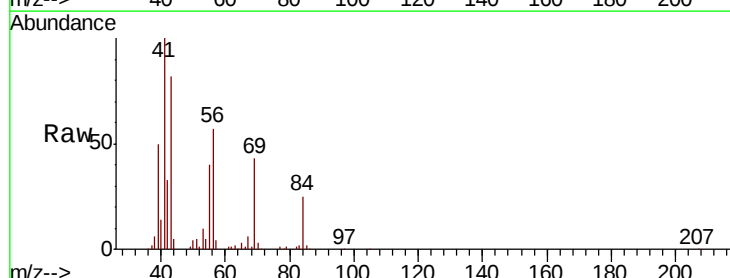
Tgt Ion: 41 Resp: 321915

Ion Ratio Lower Upper

41 100

39 54.6 62.1 93.1#

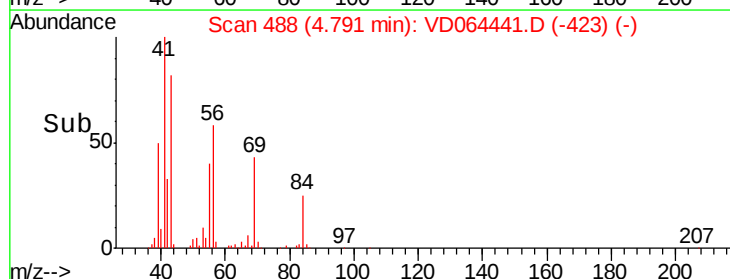
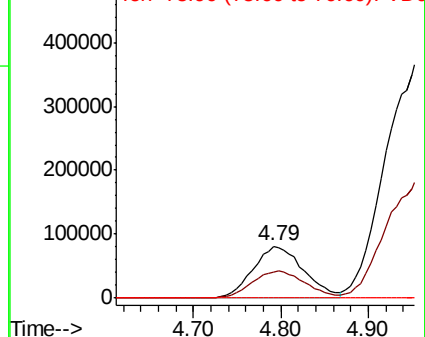
76 0.0 29.8 44.8#

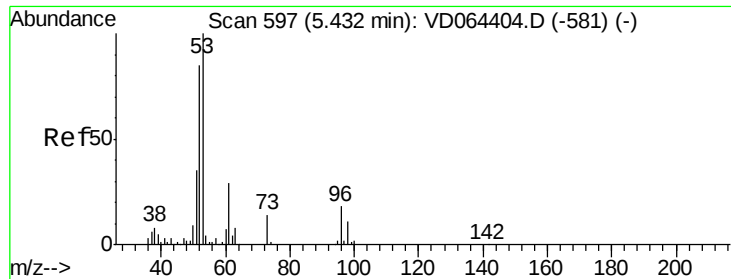


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 225.023 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.06 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

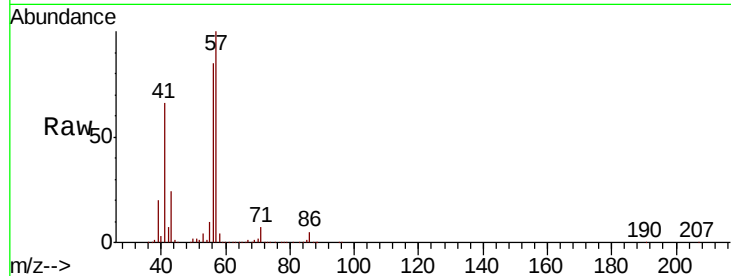
Tot Ion: 53 Resp: 347318

Ion Ratio Lower Upper

53 100

52 20.0 67.9 101.9#

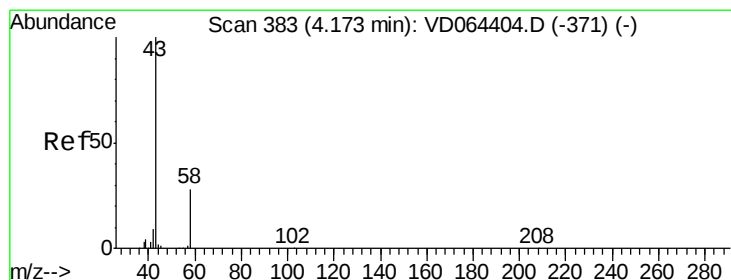
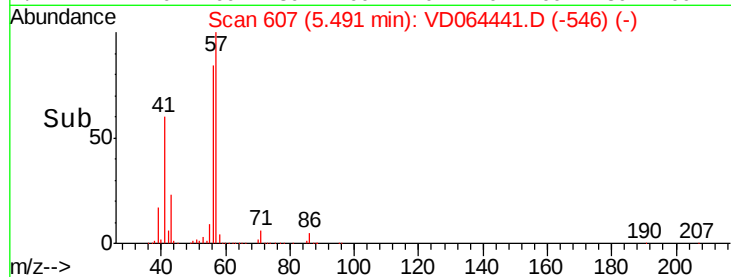
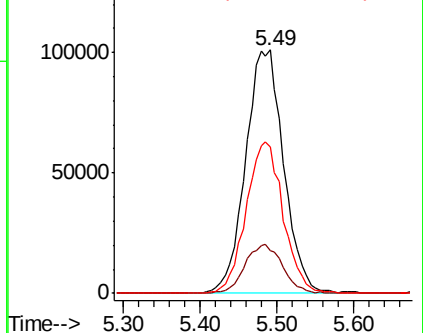
51 60.9 30.6 45.8#



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: 251.183 ug/l

RT: 4.12 min Scan# 374

Delta R.T. -0.05 min

Lab File: VD064441.D

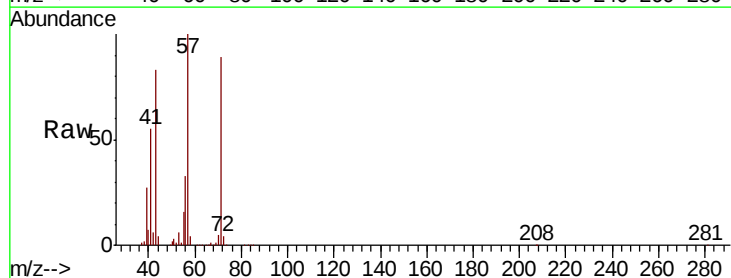
Acq: 05 Dec 2019 17:31

Tgt Ion: 43 Resp: 355759

Ion Ratio Lower Upper

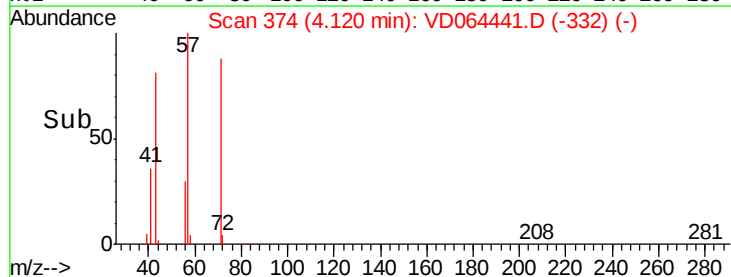
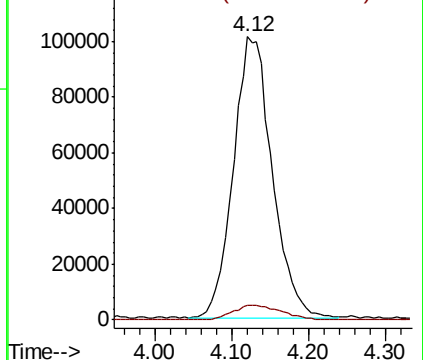
43 100

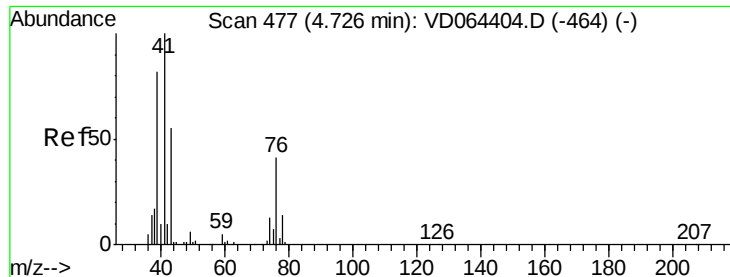
58 4.9 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

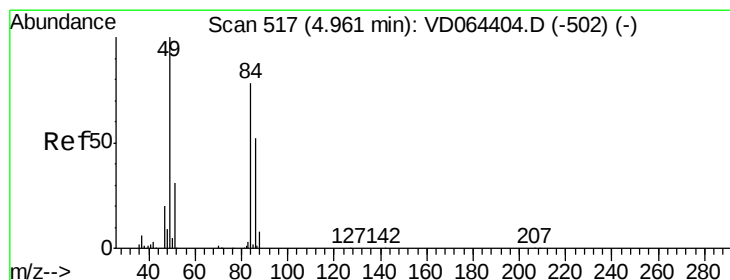
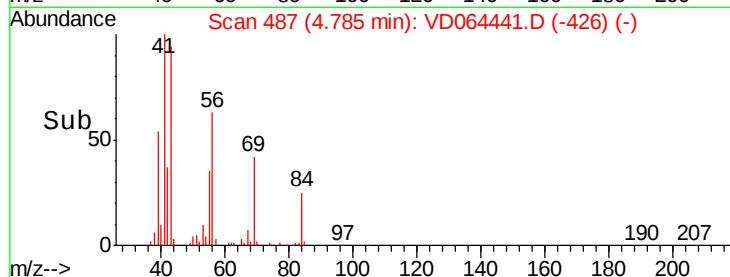
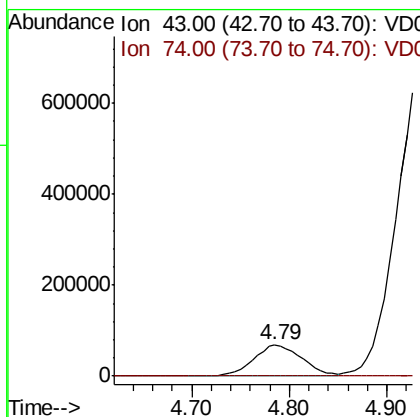
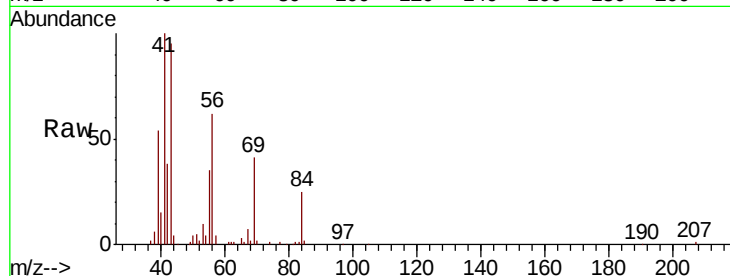




#18
Methyl Acetate
Concen: 57.251 ug/l
RT: 4.79 min Scan# 487
Delta R.T. 0.06 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

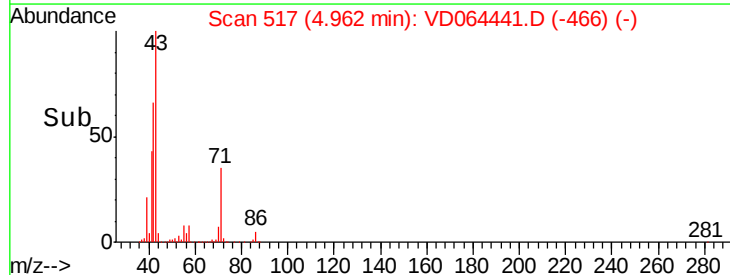
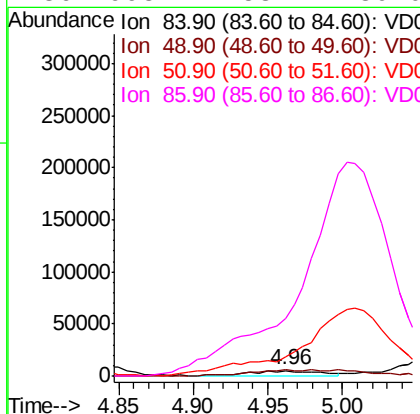
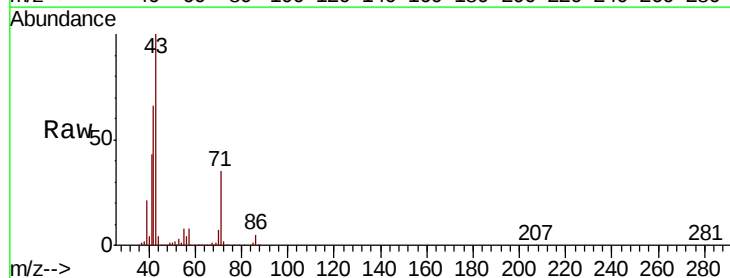
Instrument :
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SOLID-COMPRES

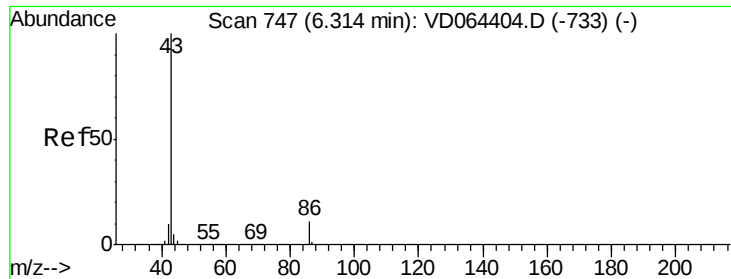
Tot Ion: 43 Resp: 236525
Ion Ratio Lower Upper
43 100
74 0.2 19.7 29.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 84 Resp: 16234
Ion Ratio Lower Upper
84 100
49 121.8 102.6 153.8
51 326.5 32.0 48.0#
86 995.2 53.4 80.0#





#23

Vinyl Acetate

Concen: 4.104 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.02 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

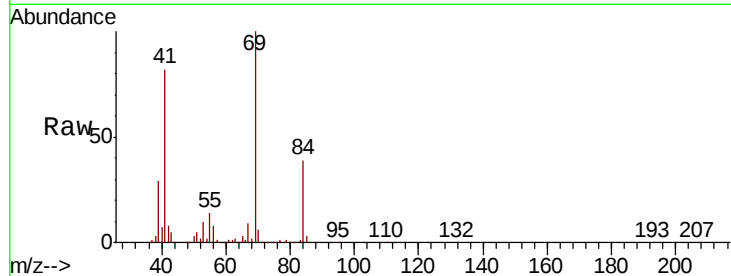
SOLID-COMPRESS

Tot Ion: 43 Resp: 52027

Ion Ratio Lower Upper

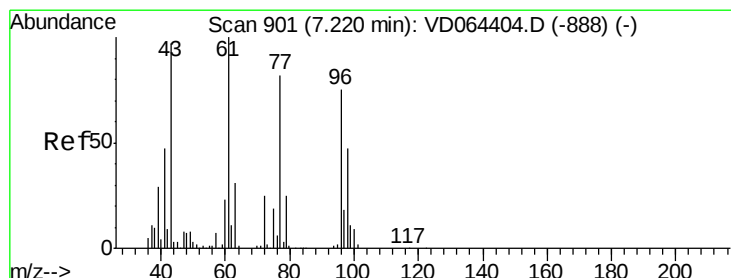
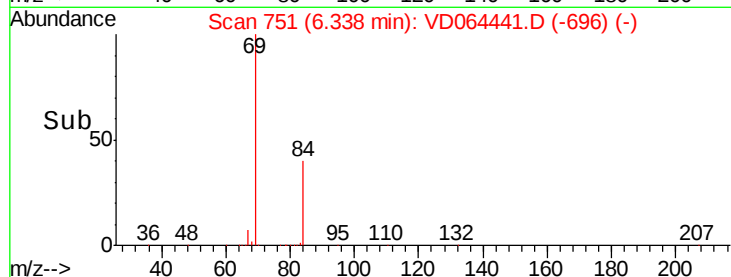
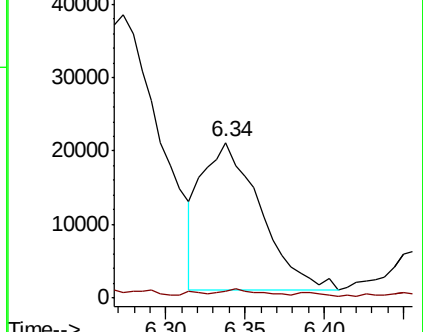
43 100

86 3.1 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 55.772 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064441.D

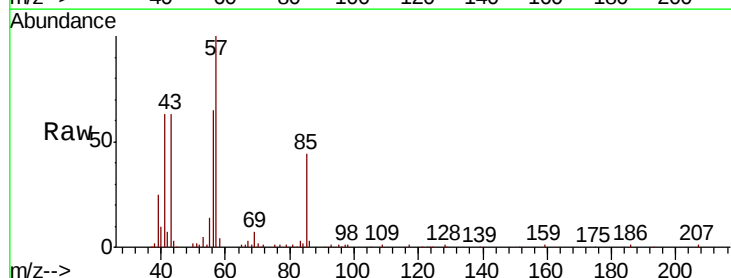
Acq: 05 Dec 2019 17:31

Tgt Ion: 43 Resp: 111710

Ion Ratio Lower Upper

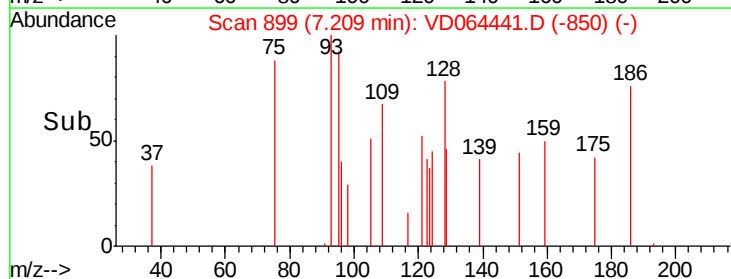
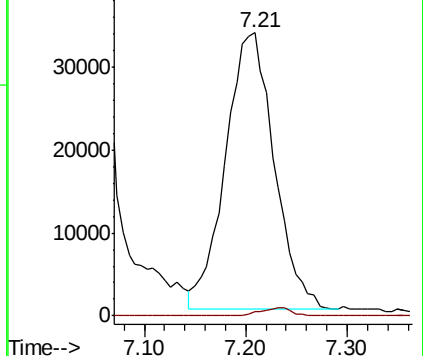
43 100

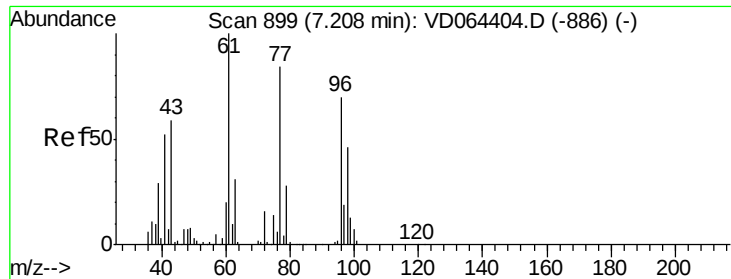
72 1.6 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 5.167 ug/l

RT: 7.03 min Scan# 869

Delta R.T. -0.18 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

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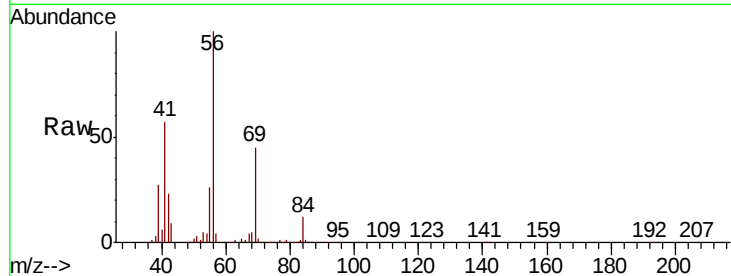
SOLID-COMPRES

Tot Ion: 77 Resp: 58104

Ion Ratio Lower Upper

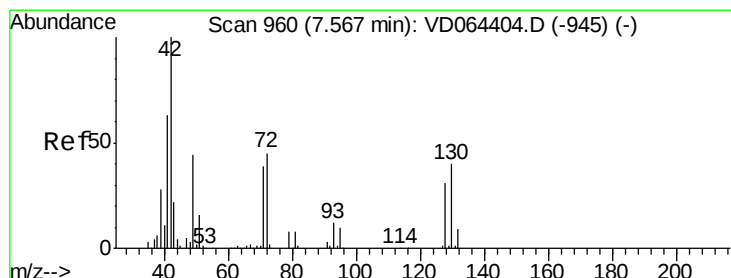
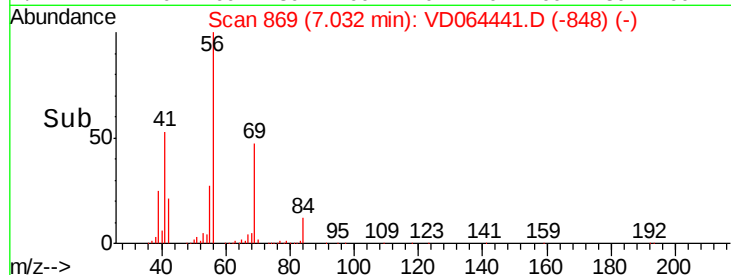
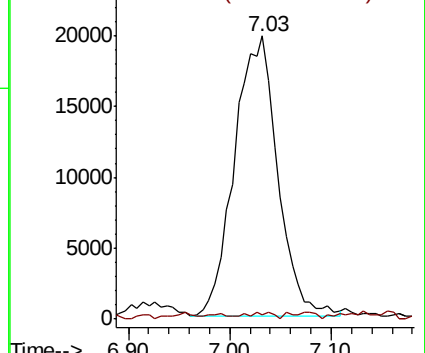
77 100

97 1.3 11.6 34.7#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#29

Tetrahydrofuran

Concen: 12.106 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

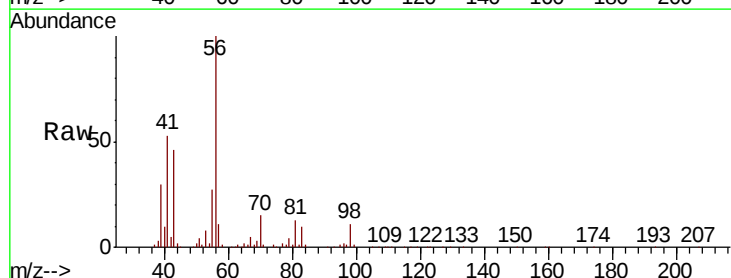
Tgt Ion: 42 Resp: 15427

Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

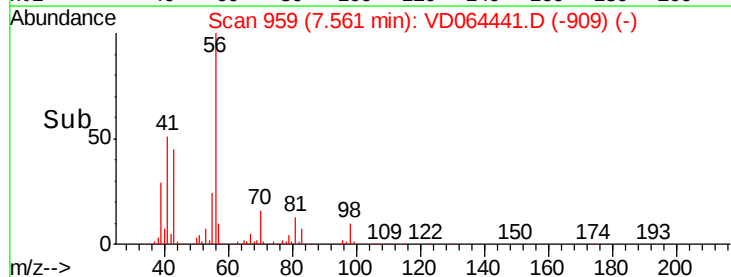
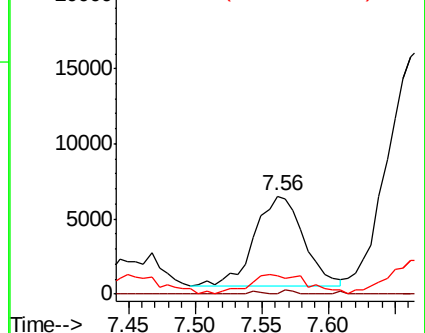
71 0.0 32.7 49.1#

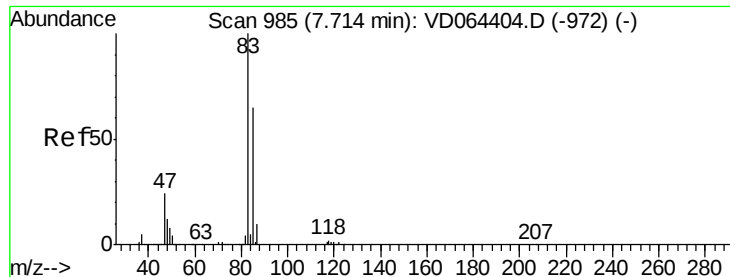


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

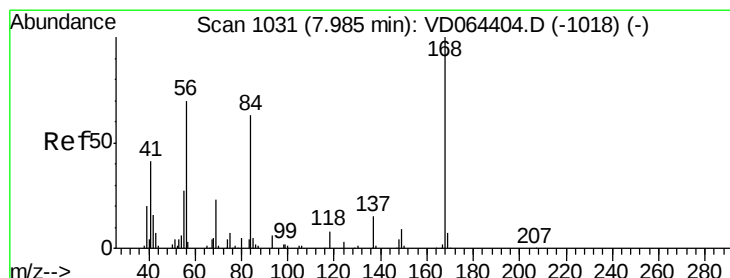
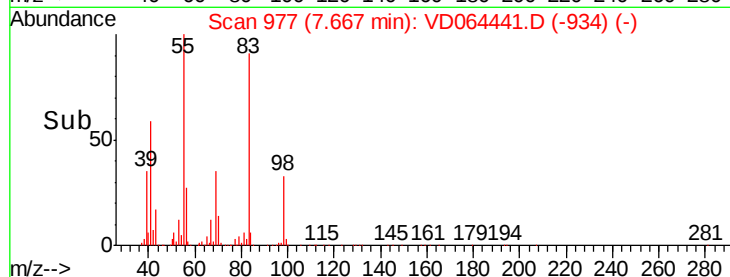
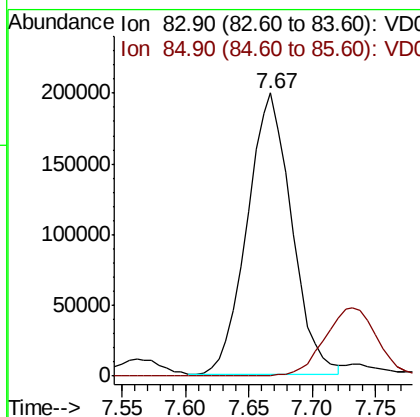
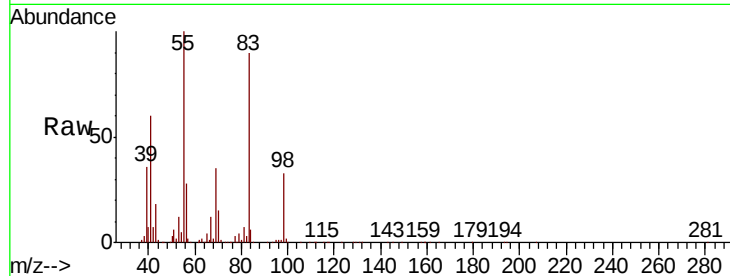




#30
Chloroform
Concen: 36.340 ug/l
RT: 7.67 min Scan# 977
Delta R.T. -0.05 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

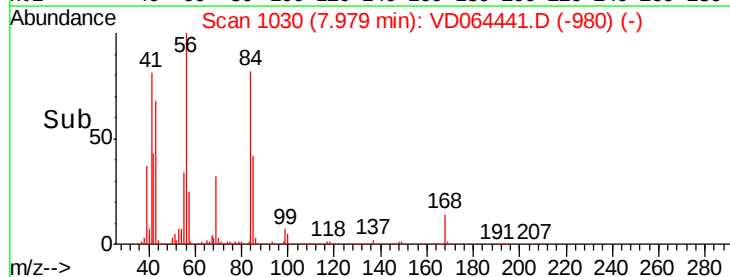
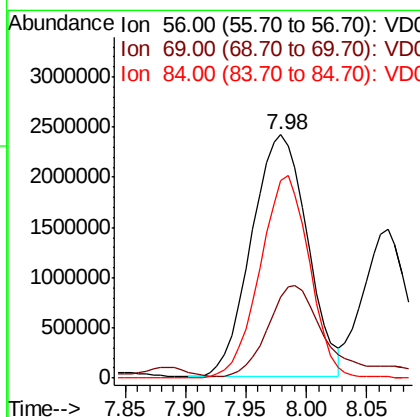
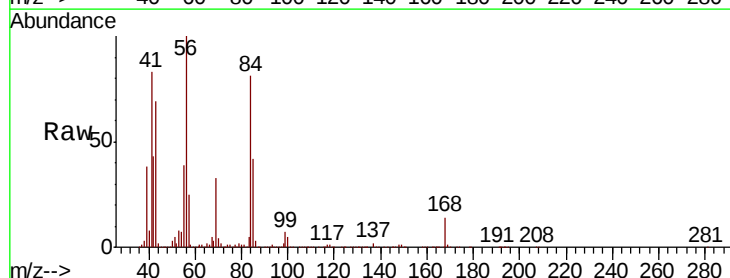
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

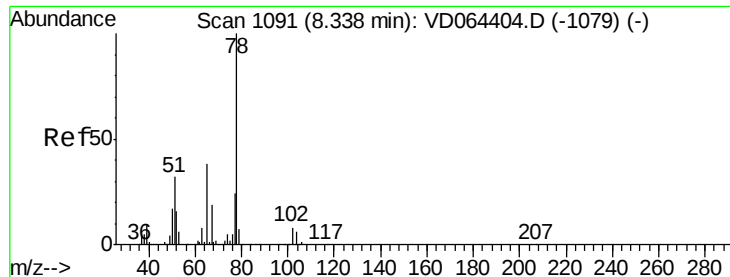
Tot Ion: 83 Resp: 486684
Ion Ratio Lower Upper
83 100
85 0.4 51.8 77.6#



#31
Cyclohexane
Concen: 754.253 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 56 Resp: 7785934
Ion Ratio Lower Upper
56 100
69 30.8 26.2 39.4
84 81.6 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 45.131 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

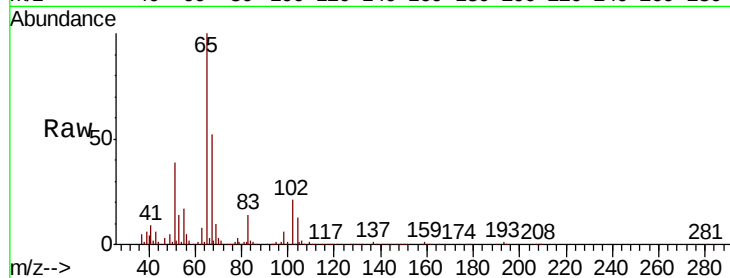
SOLID-COMPRESS

Tot Ion: 65 Resp: 316316

Ion Ratio Lower Upper

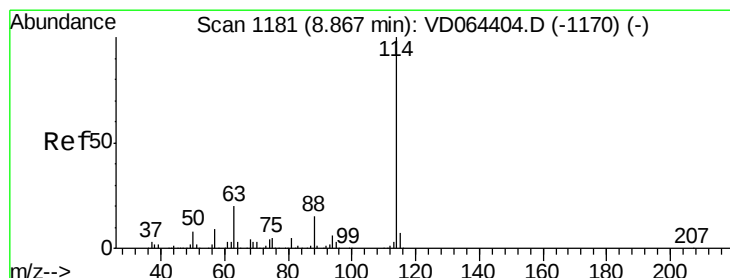
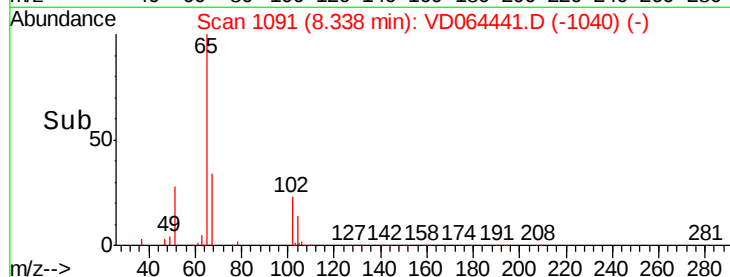
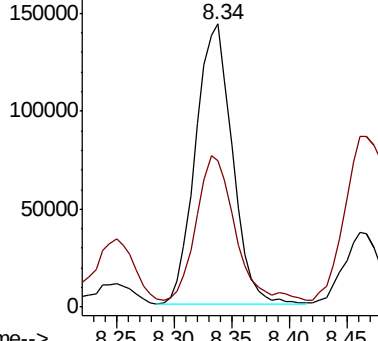
65 100

67 53.5 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

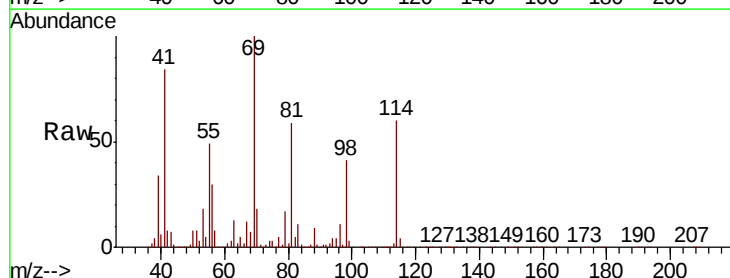
Tgt Ion: 114 Resp: 1224840

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

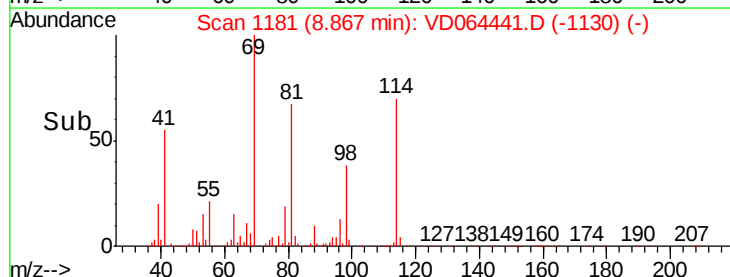
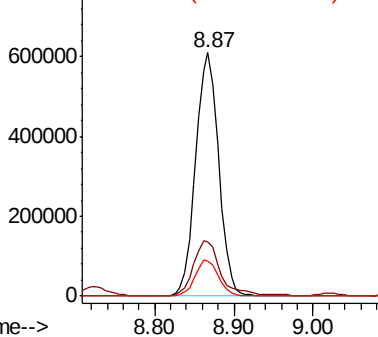
88 14.5 0.0 29.2

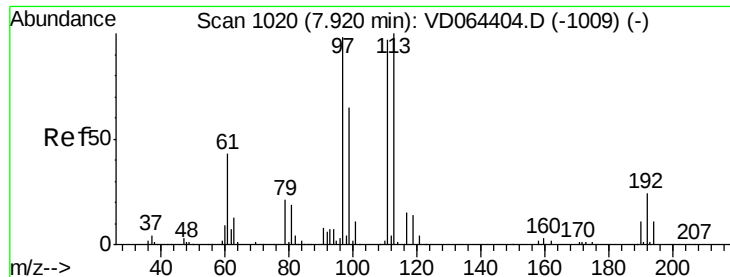


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

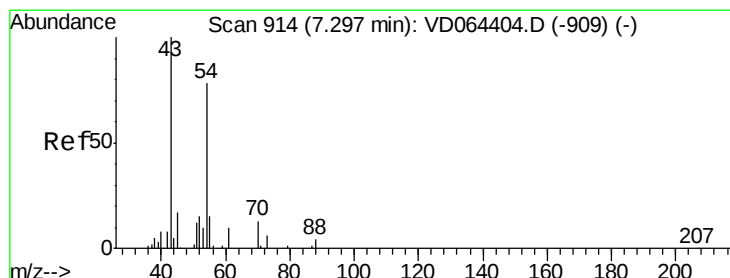
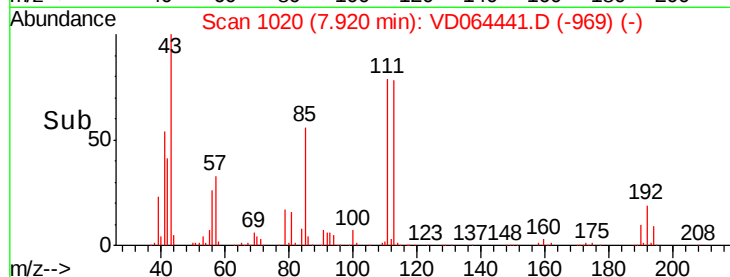
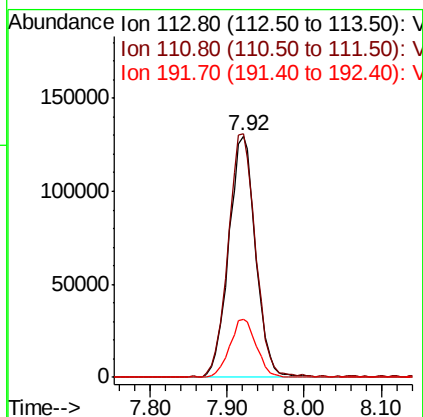
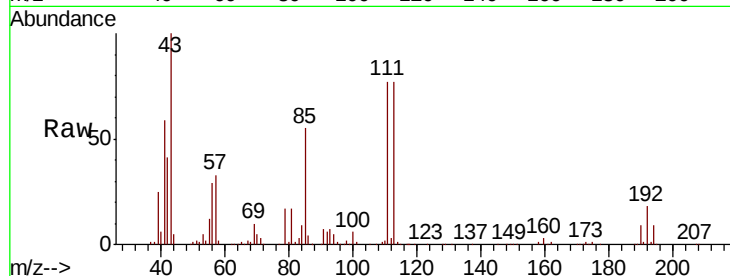




#35
Dibromofluoromethane
Concen: 40.951 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

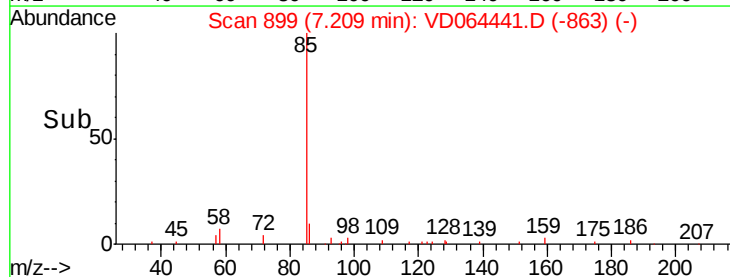
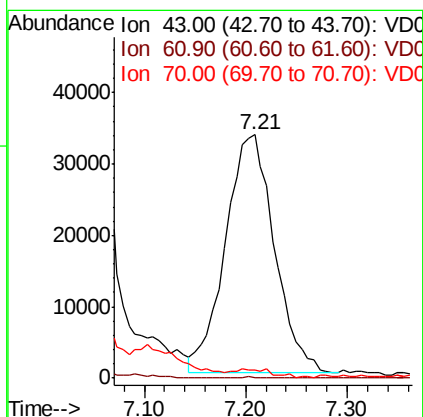
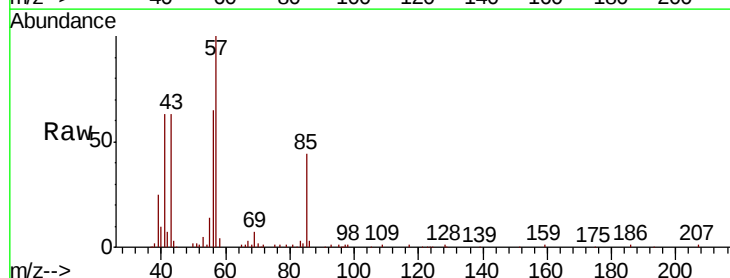
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

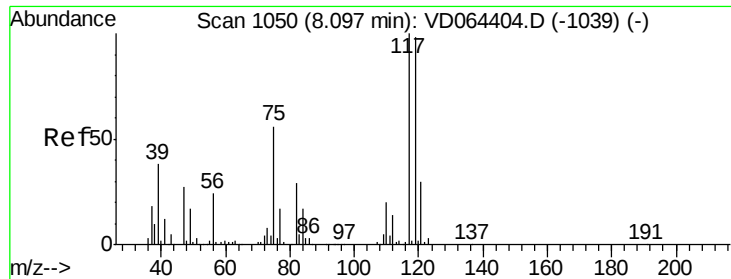
Tot Ion:113 Resp: 316027
Ion Ratio Lower Upper
113 100
111 103.0 79.4 119.2
192 23.7 18.6 28.0



#37
Ethyl Acetate
Concen: 22.724 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 43 Resp: 111710
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

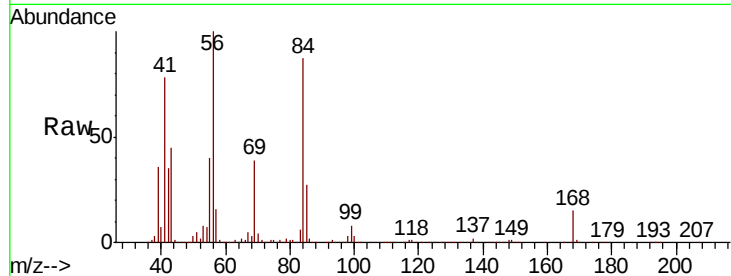
Tot Ion:117 Resp: 71036

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

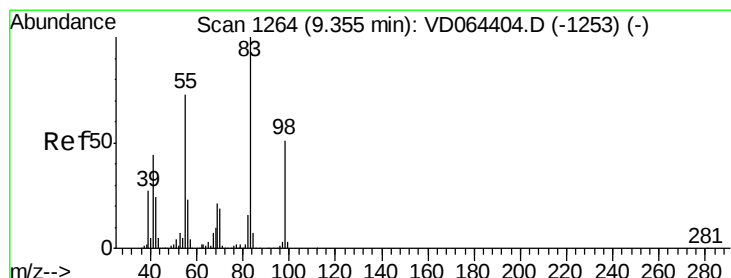
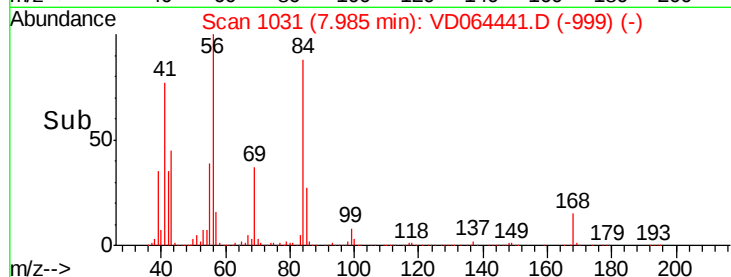
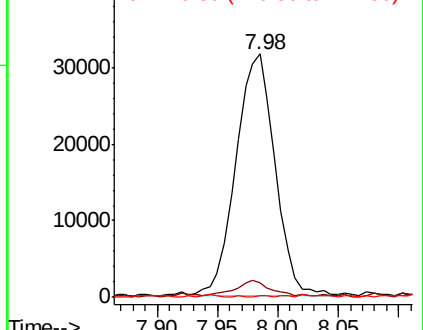
121 0.5 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1407.694 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

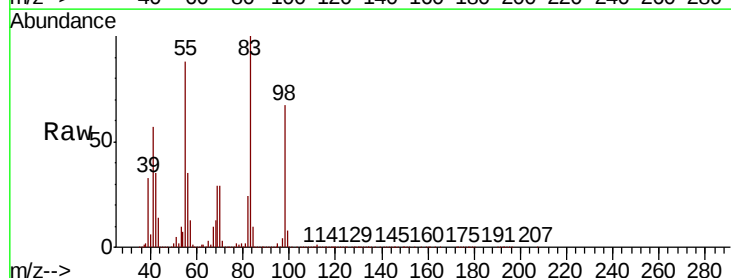
Tgt Ion: 83 Resp:20230031

Ion Ratio Lower Upper

83 100

55 87.8 58.6 87.8

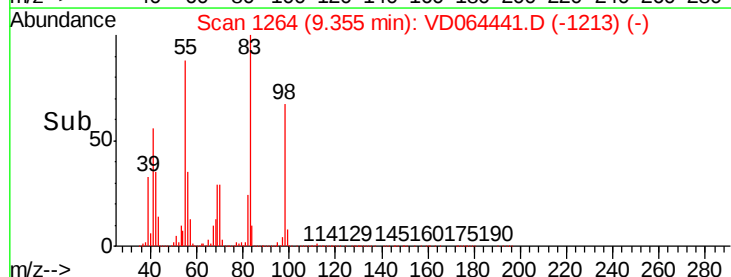
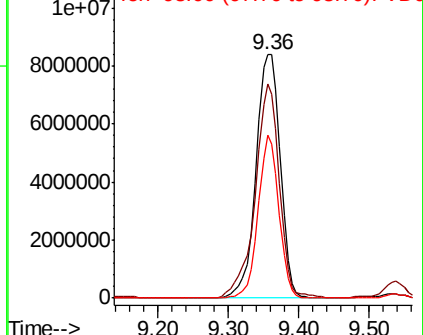
98 66.9 40.9 61.3#

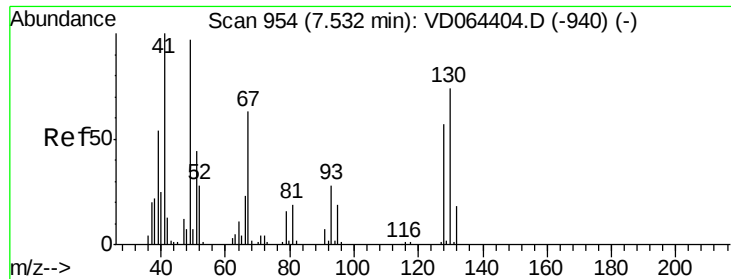


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#41

Methacrylonitrile

Concen: 56.363 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

Tot Ion: 41 Resp: 158898

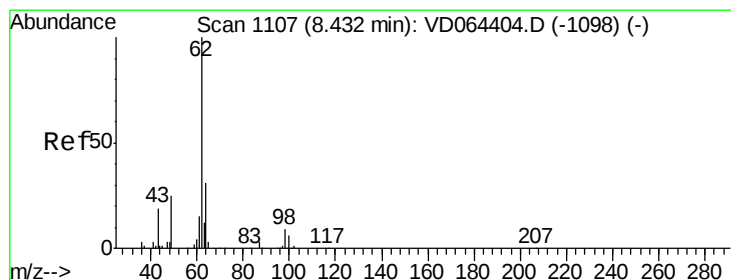
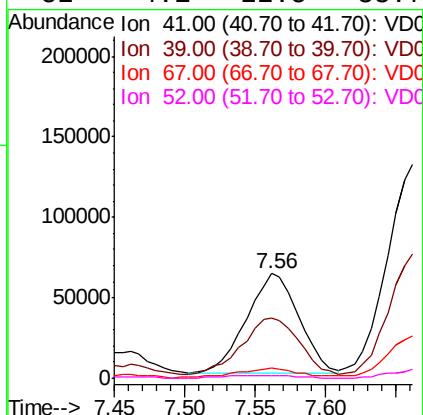
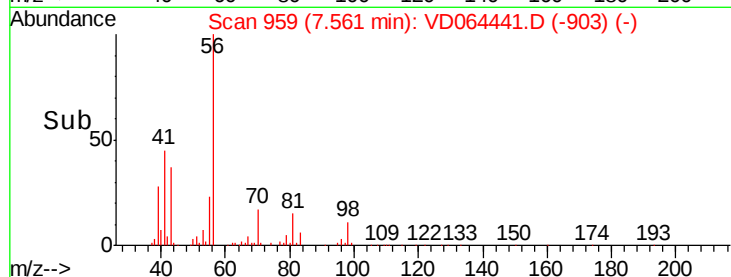
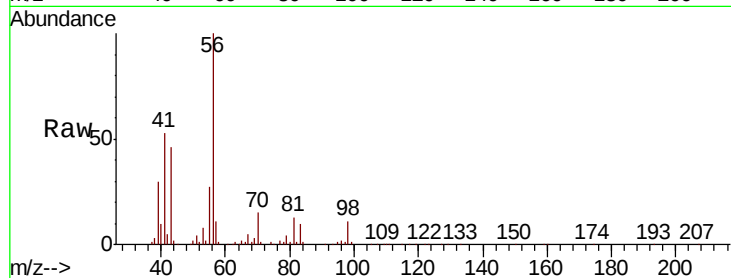
Ion Ratio Lower Upper

41 100

39 62.3 44.6 67.0

67 11.0 50.9 76.3#

52 4.1 22.5 33.7#



#42

1,2-Dichloroethane

Concen: 2.009 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.04 min

Lab File: VD064441.D

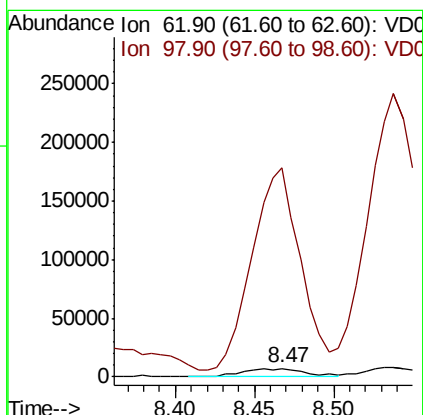
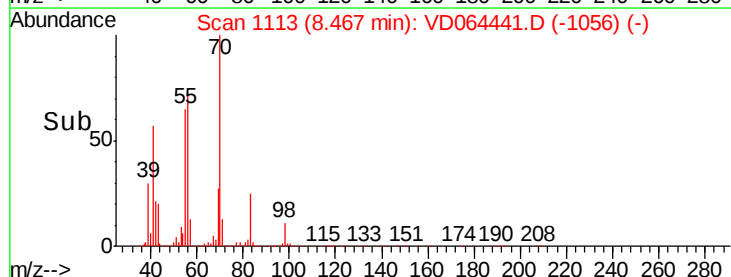
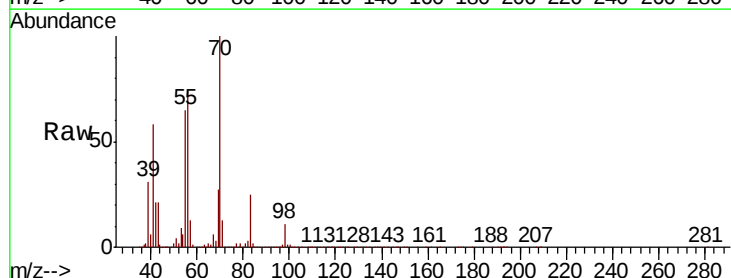
Acq: 05 Dec 2019 17:31

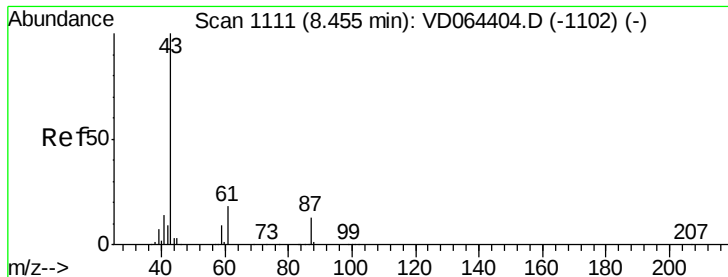
Tgt Ion: 62 Resp: 18853

Ion Ratio Lower Upper

62 100

98 1936.4 0.0 20.6#





#43

Isopropyl Acetate

Concen: 118.846 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRESS

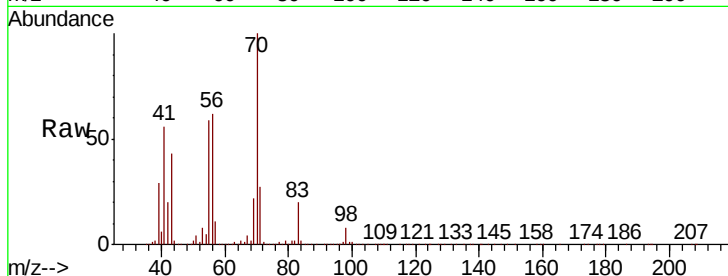
Tot Ion: 43 Resp: 1148715

Ion Ratio Lower Upper

43 100

61 0.6 24.0 36.0#

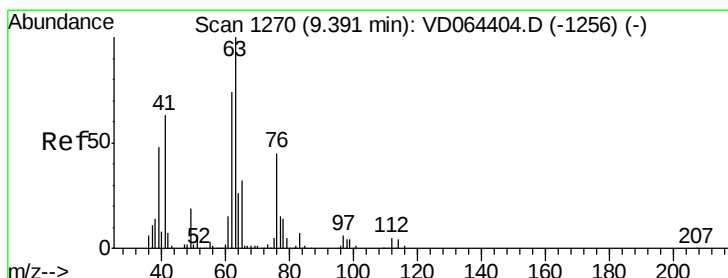
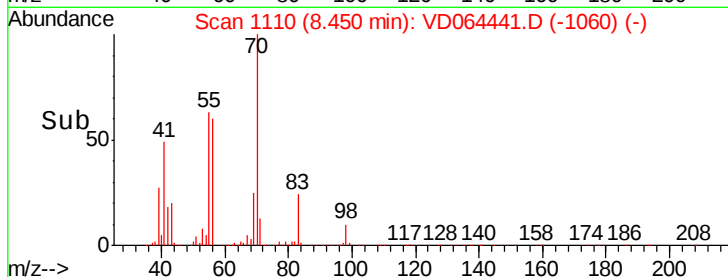
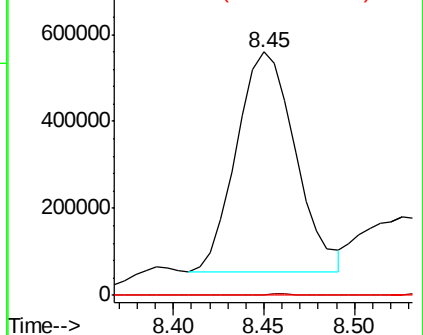
87 0.0 10.6 15.8#



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



#45

1,2-Dichloropropane

Concen: 32.328 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.04 min

Lab File: VD064441.D

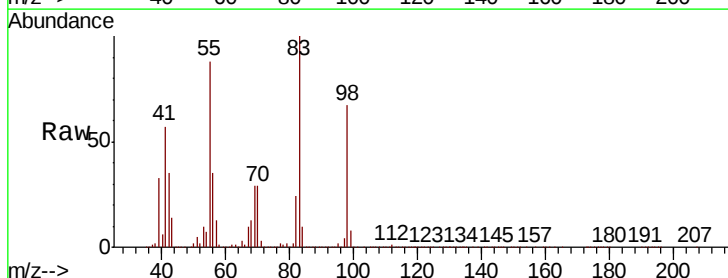
Acq: 05 Dec 2019 17:31

Tgt Ion: 63 Resp: 248776

Ion Ratio Lower Upper

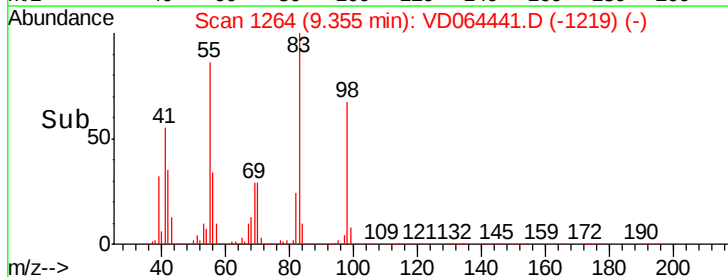
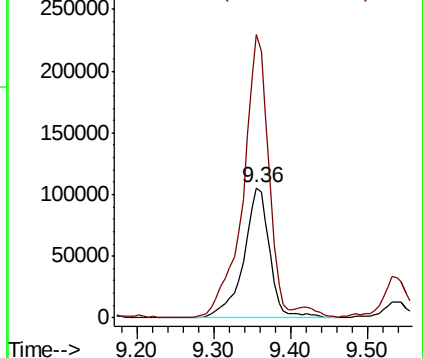
63 100

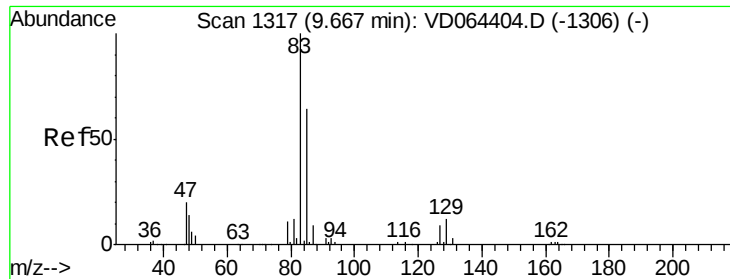
65 218.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#47

Bromodichloromethane

Concen: 64.673 ug/l

RT: 9.64 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

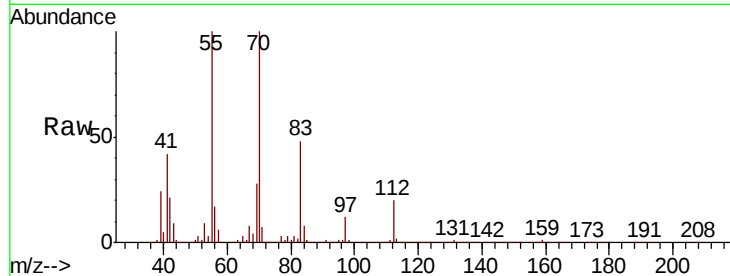
Tot Ion: 83 Resp: 721745

Ion Ratio Lower Upper

83 100

85 0.9 51.1 76.7#

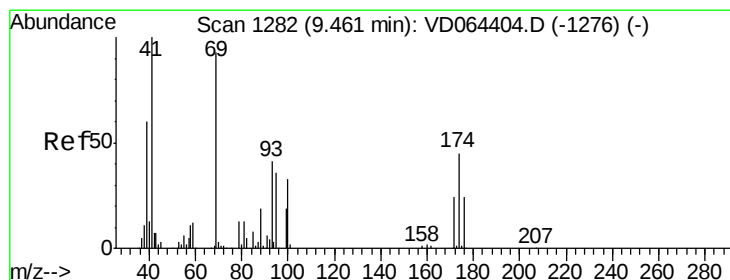
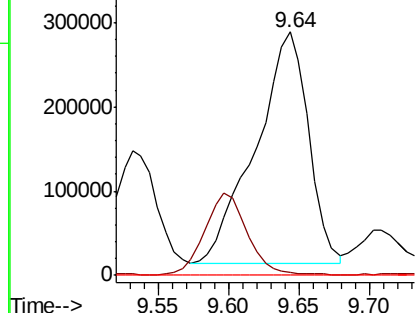
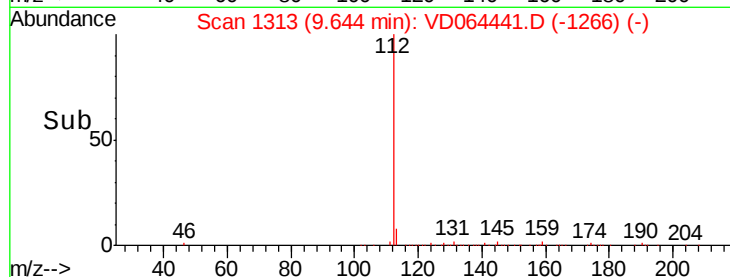
127 0.1 7.4 11.0#



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: 339.210 ug/l

RT: 9.54 min Scan# 1295

Delta R.T. 0.08 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

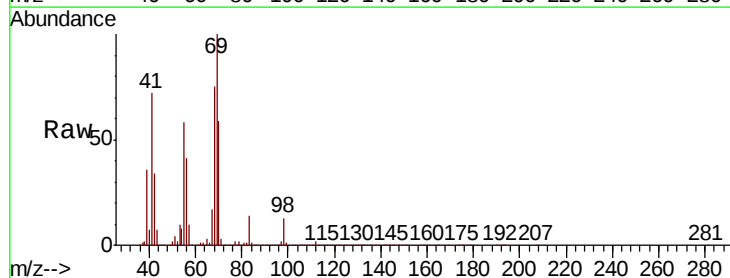
Tgt Ion: 41 Resp: 1500290

Ion Ratio Lower Upper

41 100

69 130.0 72.0 108.0#

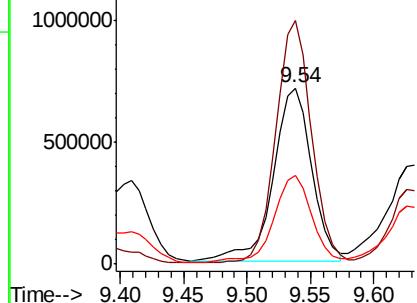
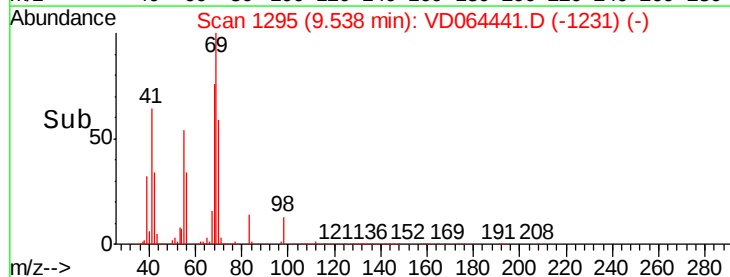
39 49.4 55.2 82.8#

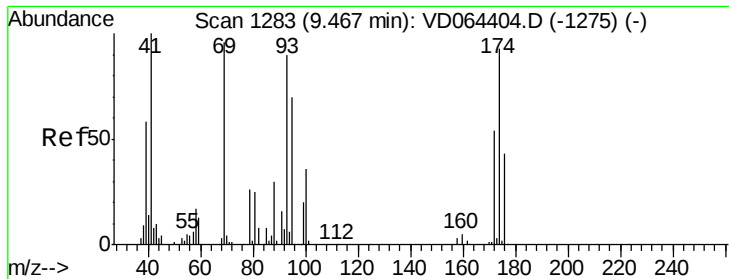


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1.473 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

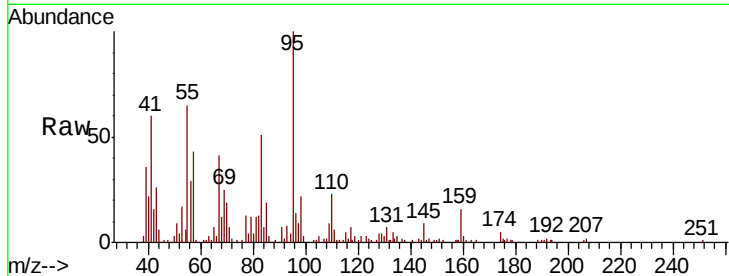
Tot Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 0.0 26.7 40.1#

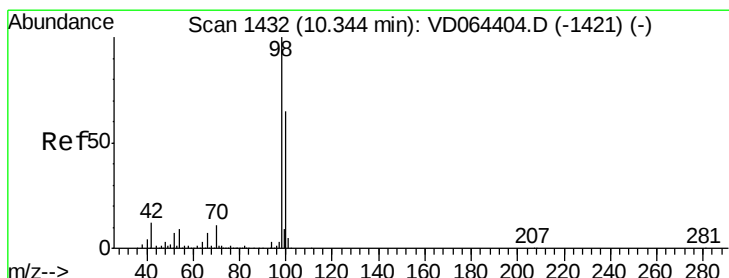
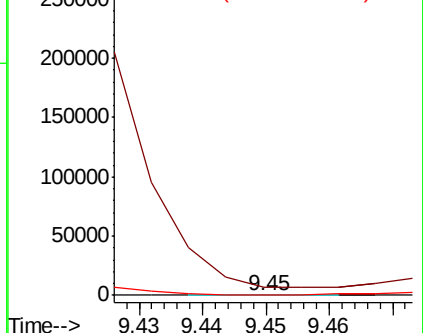
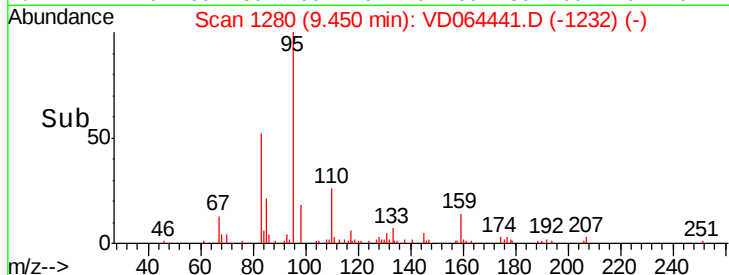
58 0.0 52.3 78.5#



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: 73.683 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064441.D

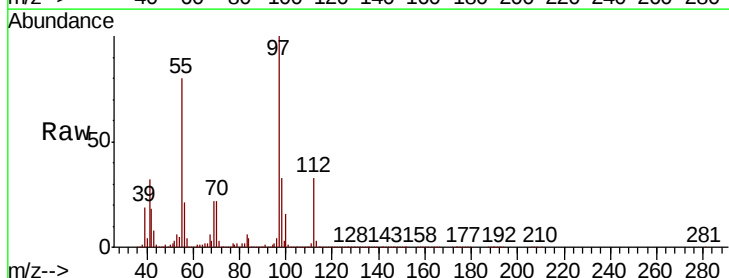
Acq: 05 Dec 2019 17:31

Tgt Ion: 98 Resp: 2141926

Ion Ratio Lower Upper

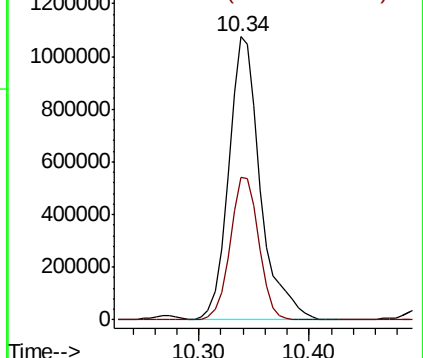
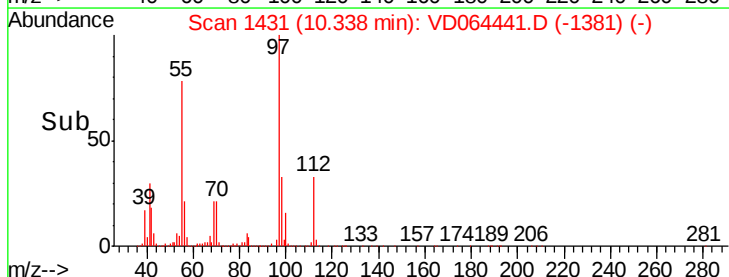
98 100

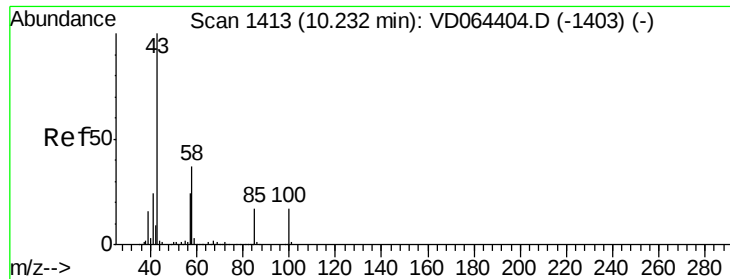
100 46.0 52.6 79.0#



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

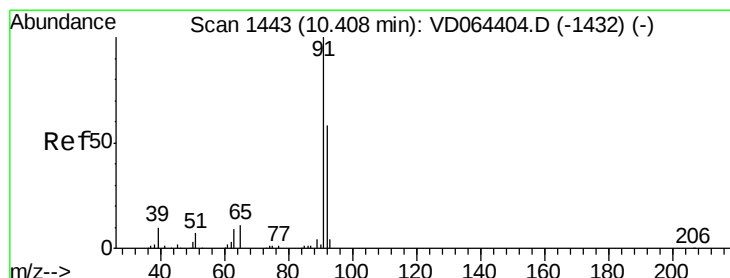
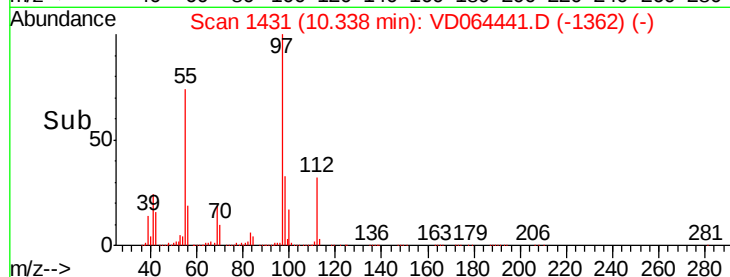
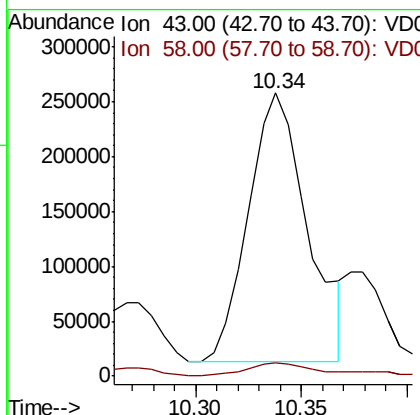
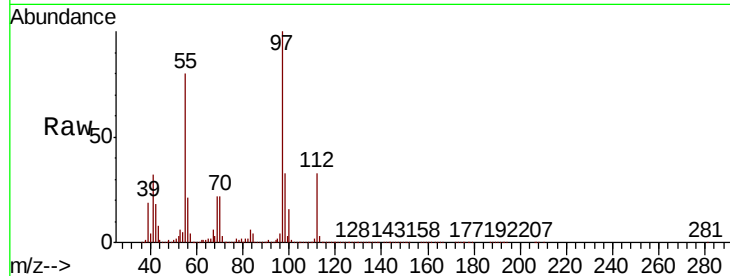




#51
4-Methyl-2-Pentanone
Concen: 99.459 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

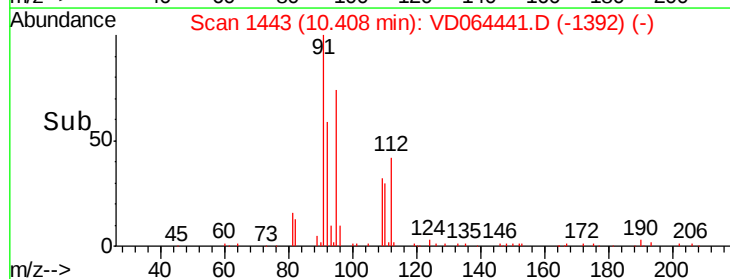
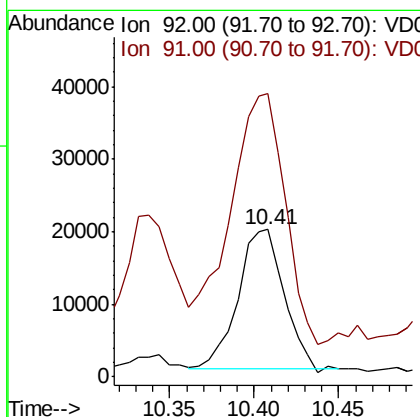
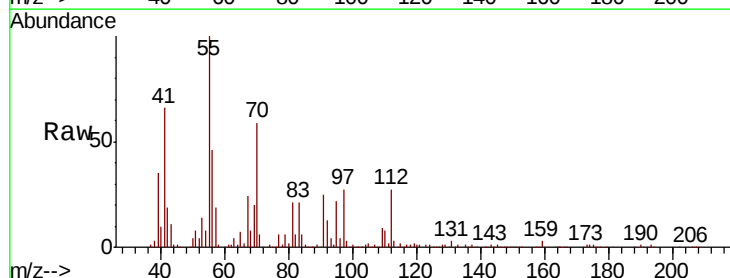
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRESS

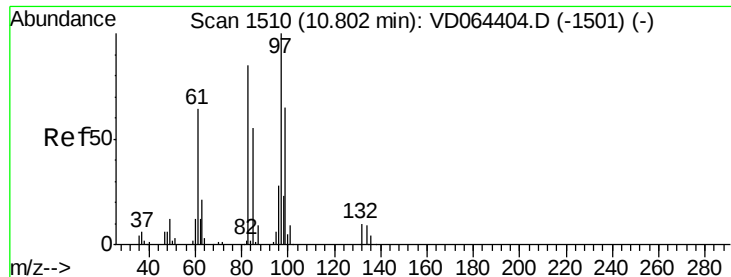
Tot Ion: 43 Resp: 475654
Ion Ratio Lower Upper
43 100
58 4.8 30.6 46.0#



#52
Toluene
Concen: 1.727 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 92 Resp: 36222
Ion Ratio Lower Upper
92 100
91 225.3 137.8 206.6#

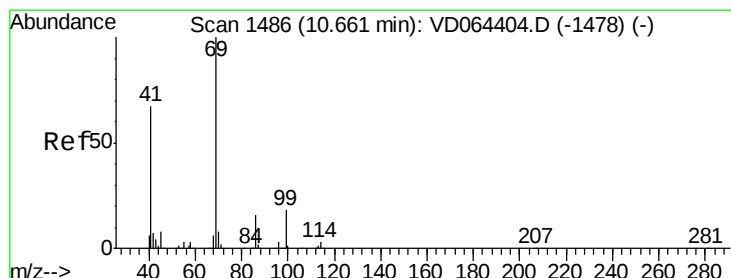
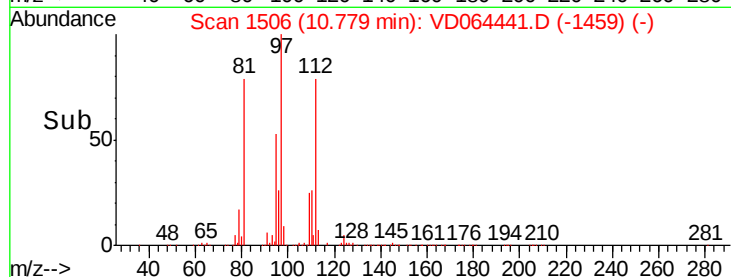
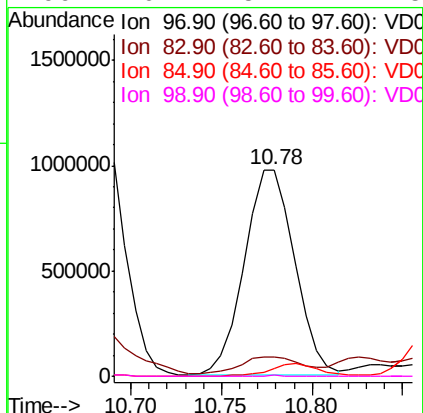
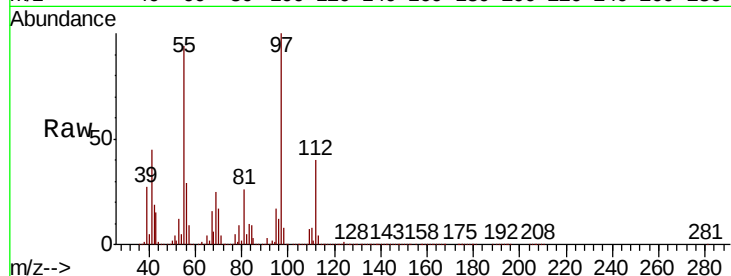




#55
 1,1,2-Trichloroethane
 Concen: 315.536 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

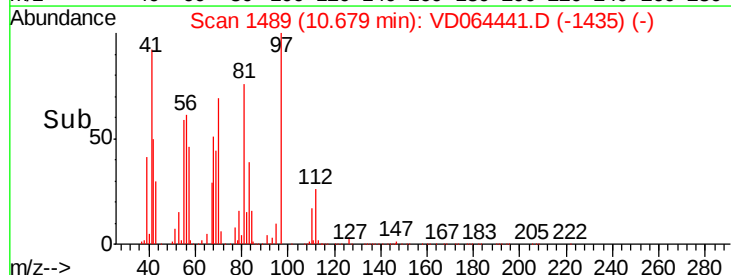
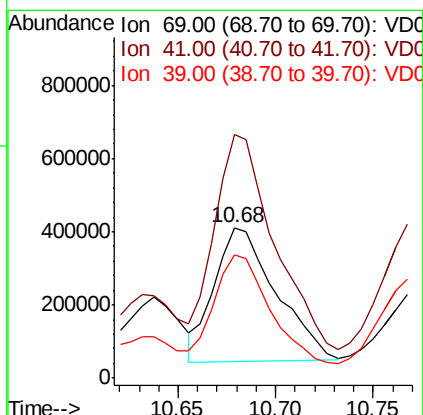
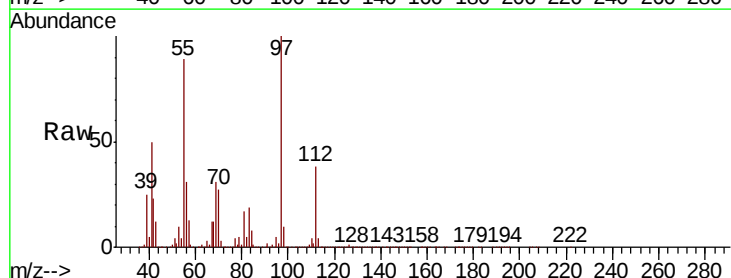
Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-COMPRES

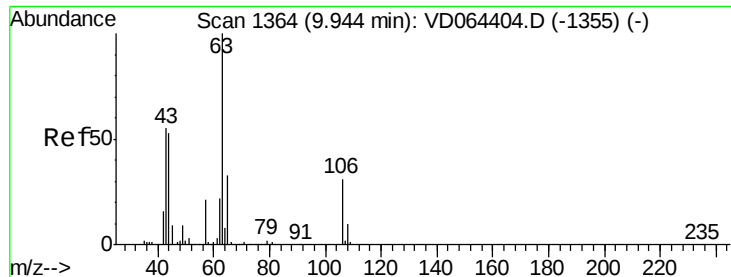
Tot Ion: 97 Resp: 1876559
 Ion Ratio Lower Upper
 97 100
 83 8.1 67.8 101.8#
 85 3.3 43.7 65.5#
 99 0.4 51.7 77.5#



#56
 Ethyl methacrylate
 Concen: 105.959 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.02 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

Tgt Ion: 69 Resp: 803736
 Ion Ratio Lower Upper
 69 100
 41 164.0 55.0 82.4#
 39 77.5 33.0 49.6#

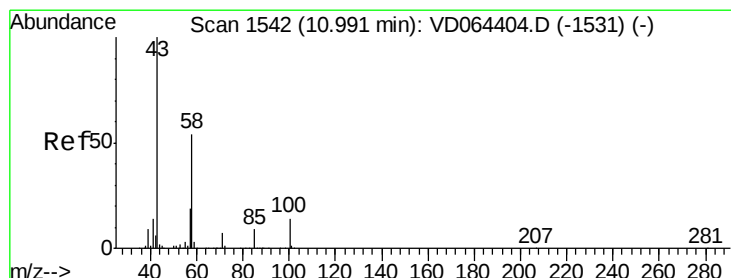
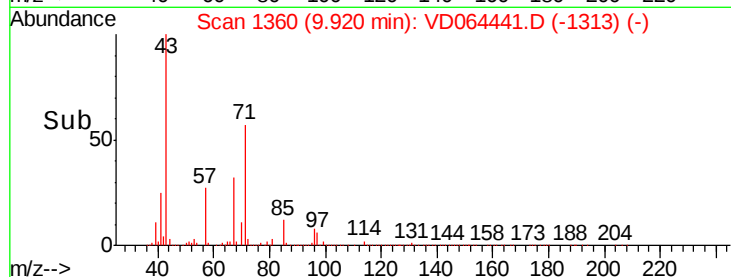
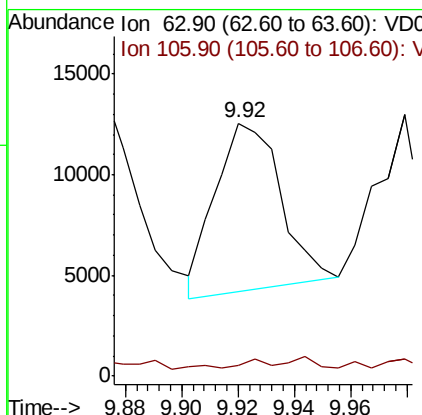
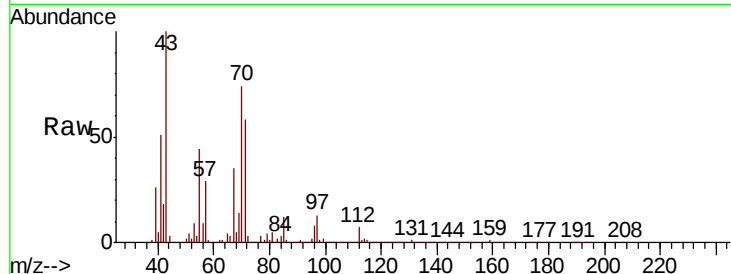




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.431 ug/l
 RT: 9.92 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

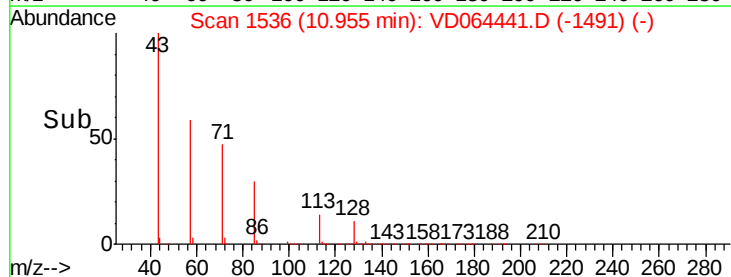
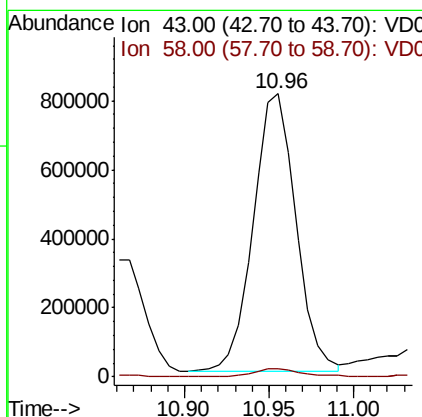
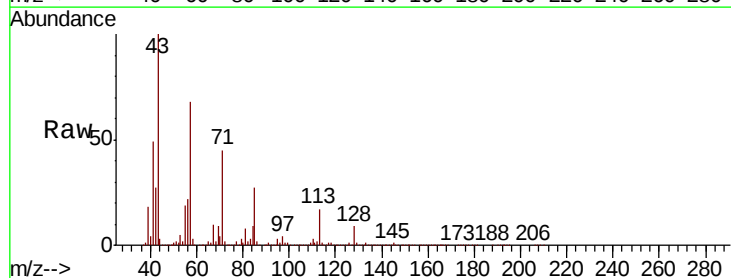
Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-COMPRES

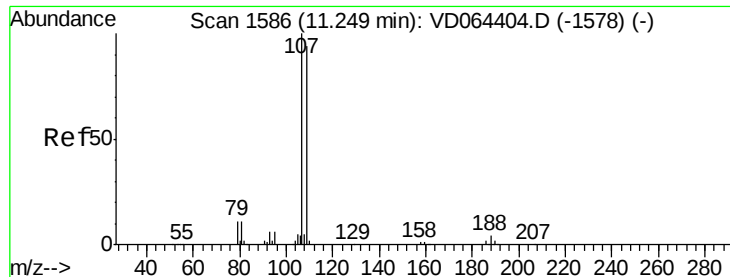
Tot Ion: 63 Resp: 13398
 Ion Ratio Lower Upper
 63 100
 106 2.7 24.2 36.4#



#59
 2-Hexanone
 Concen: 425.625 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. -0.04 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

Tgt Ion: 43 Resp: 1412429
 Ion Ratio Lower Upper
 43 100
 58 3.5 26.3 78.8#





#61

1,2-Dibromoethane

Concen: 2.208 ug/l

RT: 11.22 min Scan# 1581

Delta R.T. -0.03 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

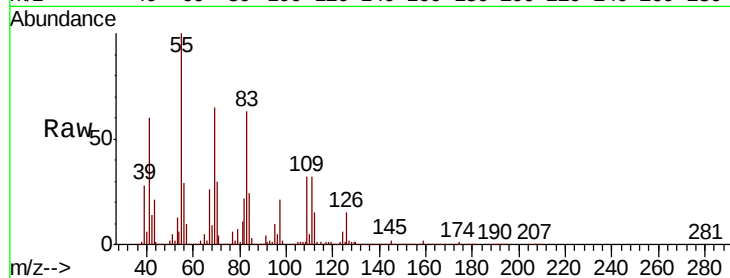
SOLID-COMPRESS

Tot Ion:107 Resp: 13110

Ion Ratio Lower Upper

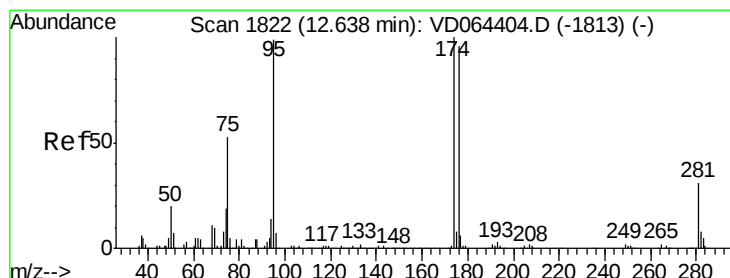
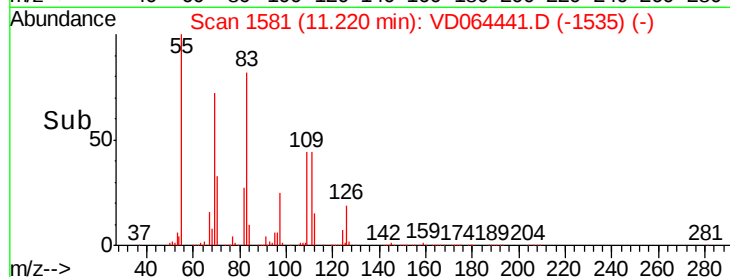
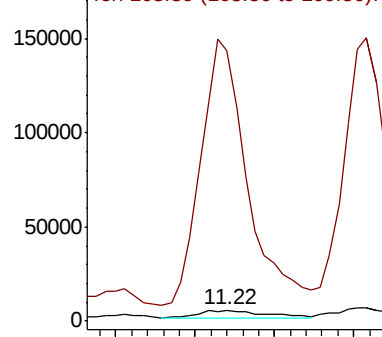
107 100

109 2192.4 76.2 114.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 65.399 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

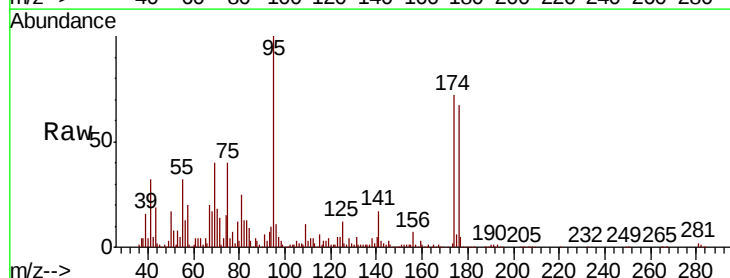
Tgt Ion: 95 Resp: 610966

Ion Ratio Lower Upper

95 100

174 81.8 0.0 197.2

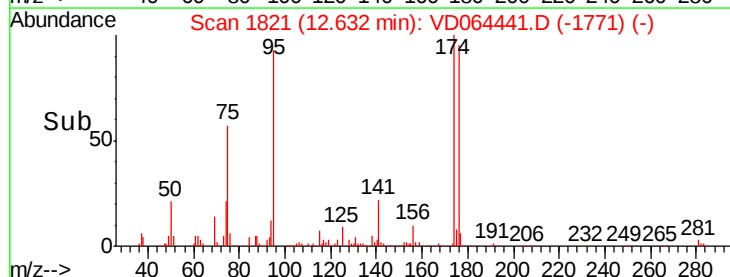
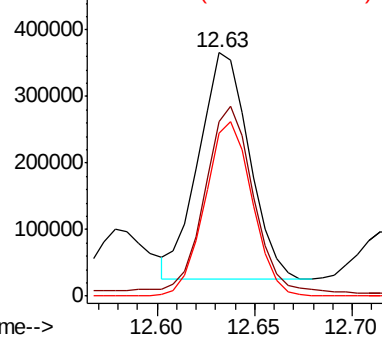
176 71.9 0.0 189.6

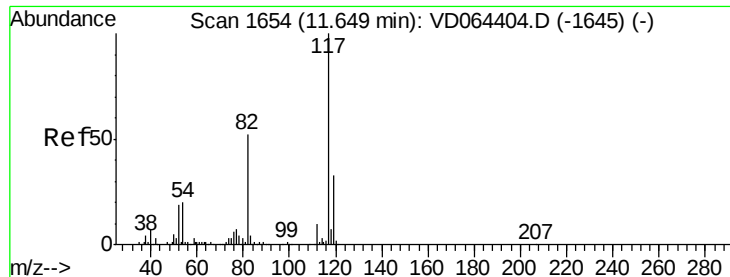


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

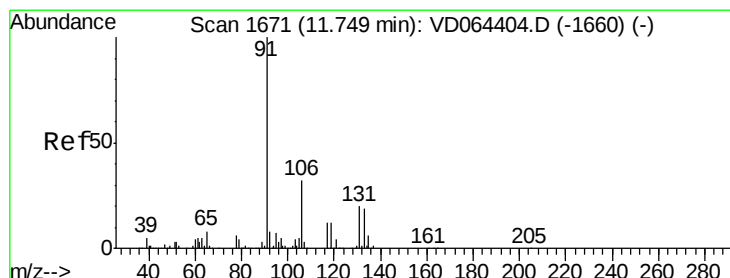
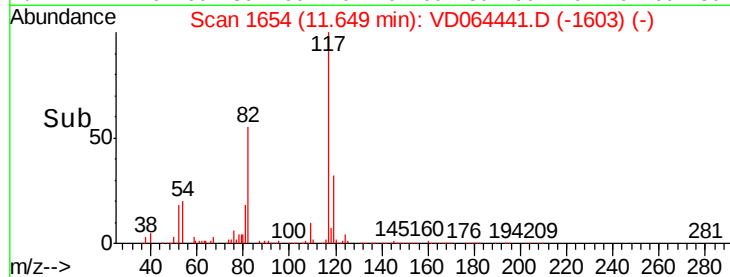
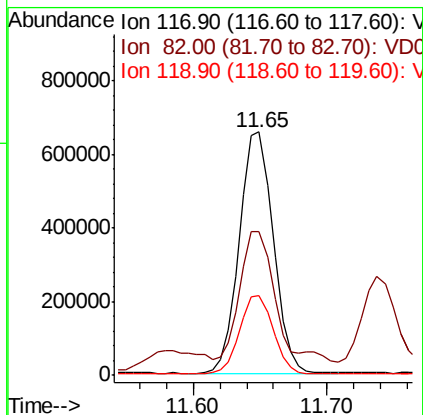
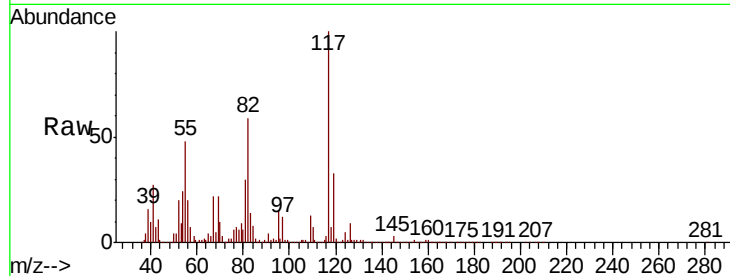




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

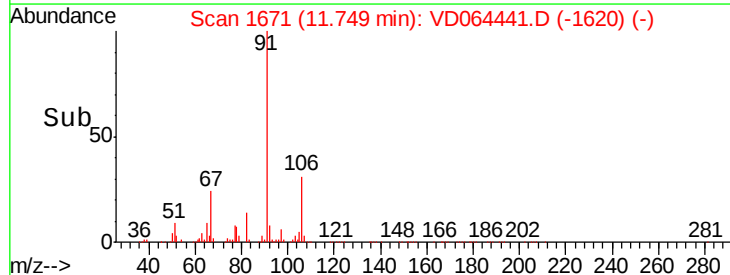
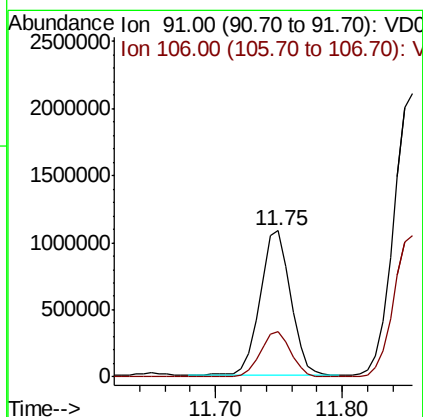
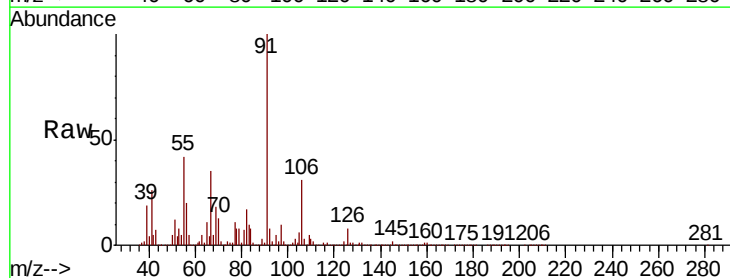
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

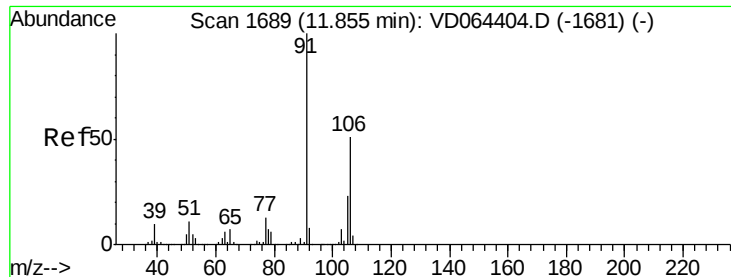
Tot Ion:117 Resp: 1157458
Ion Ratio Lower Upper
117 100
82 54.1 41.4 62.2
119 32.5 26.2 39.2



#67
Ethyl Benzene
Concen: 42.051 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 91 Resp: 1806195
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8

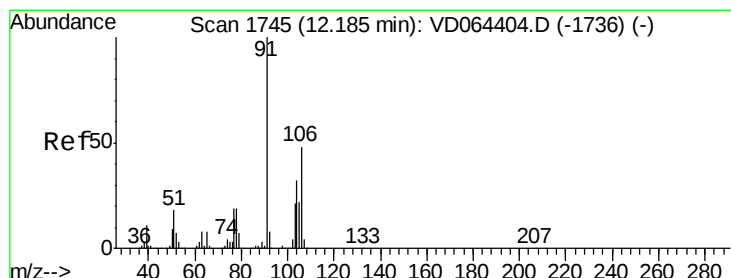
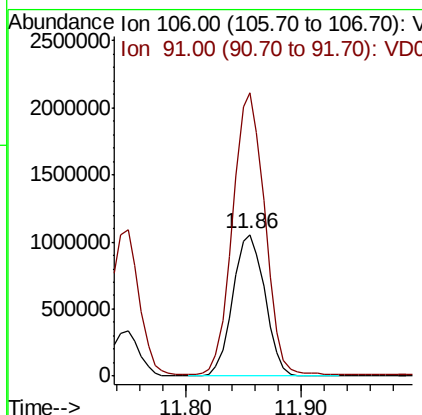
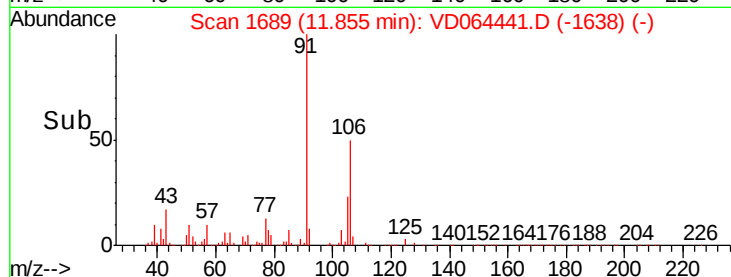
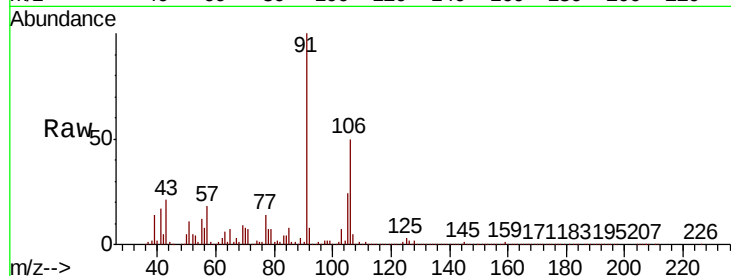




#68
m/p-Xylenes
Concen: 123.633 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

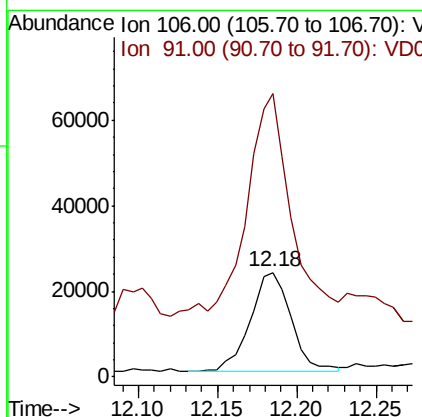
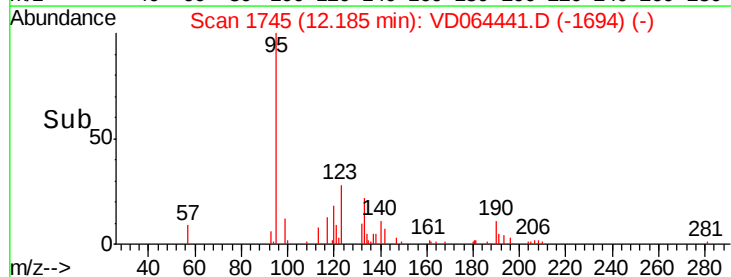
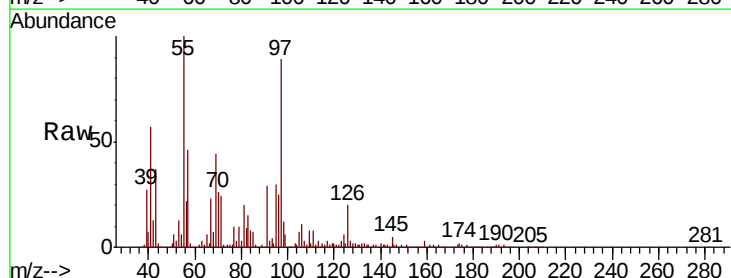
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

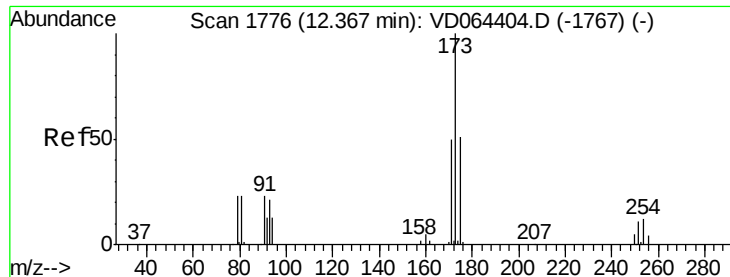
Tot Ion:106 Resp: 2024762
Ion Ratio Lower Upper
106 100
91 199.0 157.4 236.2



#69
o-Xylene
Concen: 2.747 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion:106 Resp: 41552
Ion Ratio Lower Upper
106 100
91 242.6 103.8 311.4

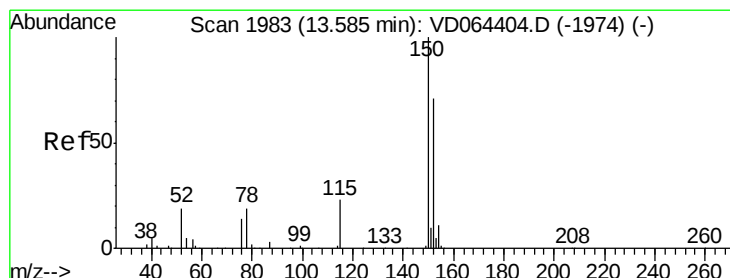
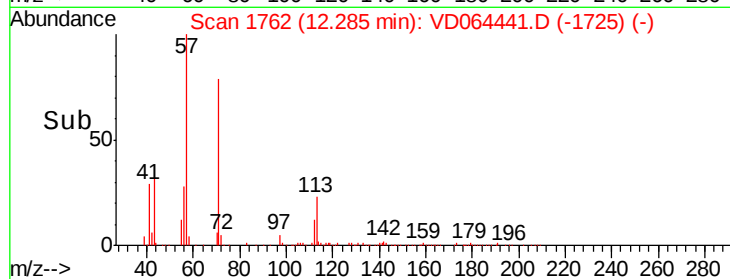
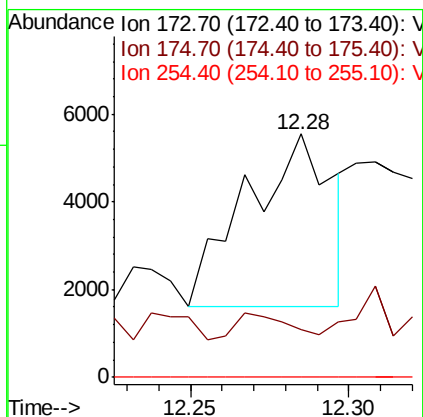
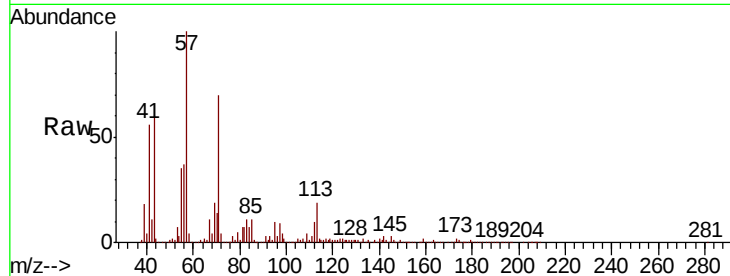




#71
Bromoform
Concen: 1.366 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.08 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

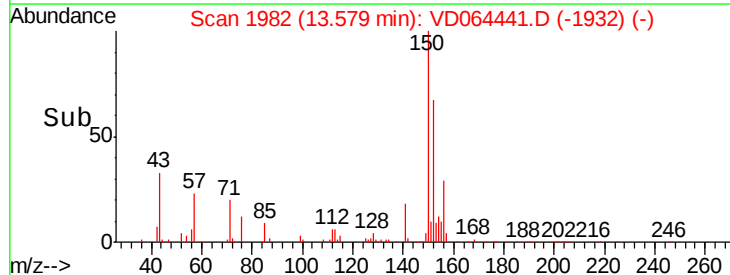
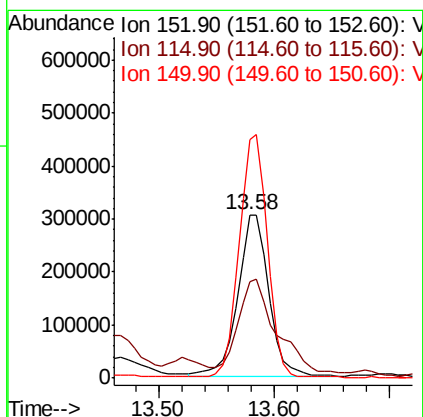
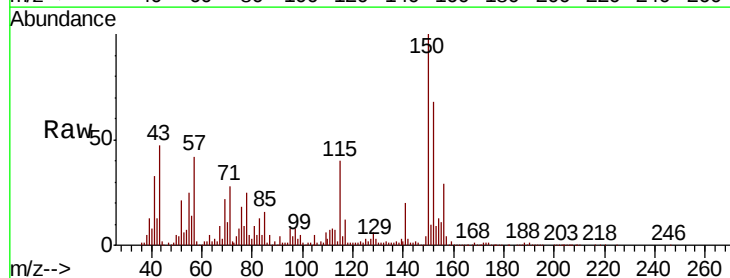
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

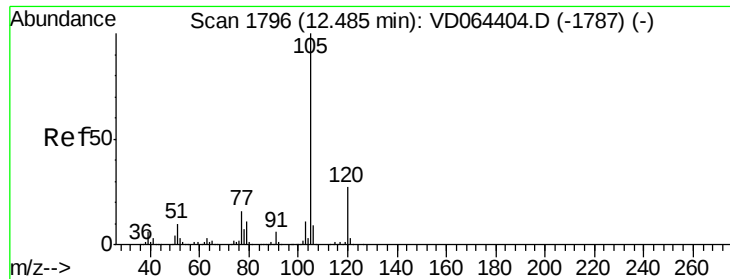
Tot Ion:173 Resp: 7306
Ion Ratio Lower Upper
173 100
175 0.0 25.3 75.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion:152 Resp: 567745
Ion Ratio Lower Upper
152 100
115 69.0 26.7 80.1
150 136.5 0.0 347.2





#73

Isopropylbenzene

Concen: 32.924 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

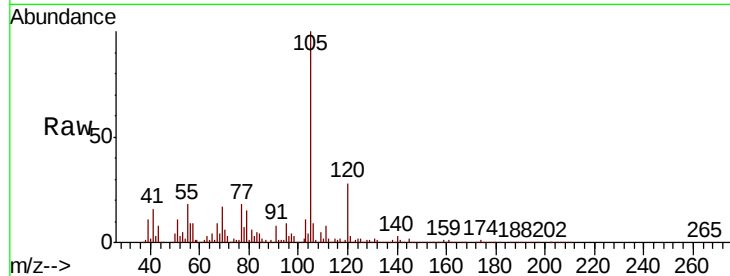
SOLID-COMPRESS

Tot Ion:105 Resp: 1344364

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

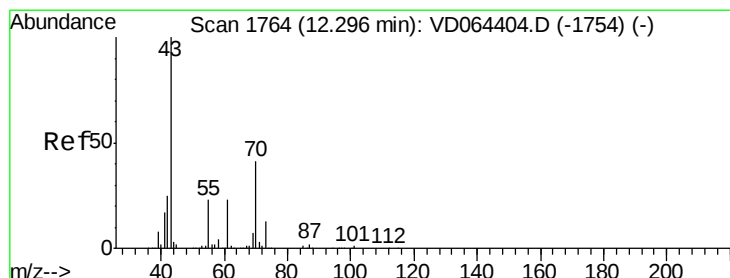
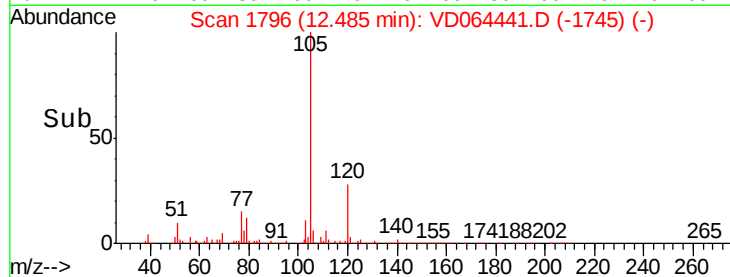
400000

200000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 66.651 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Tgt Ion: 43 Resp: 617693

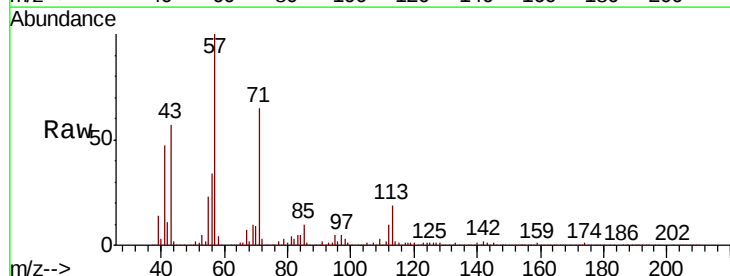
Ion Ratio Lower Upper

43 100

70 7.5 33.4 50.2#

55 0.0 18.9 28.3#

61 0.1 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

600000

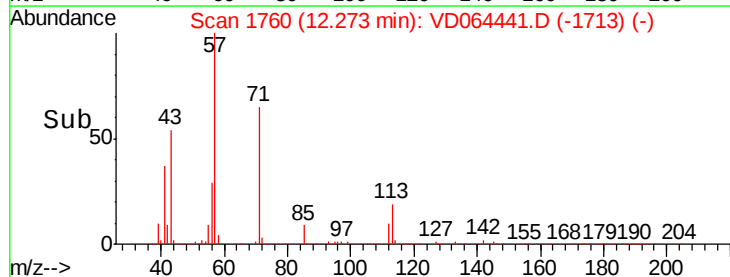
400000

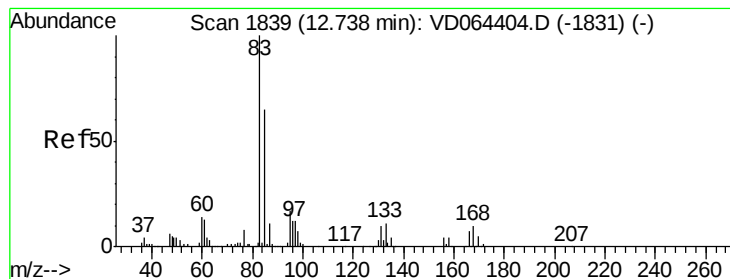
200000

0

12.20 12.25 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.398 ug/l

RT: 12.72 min Scan# 1836

Delta R.T. -0.02 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

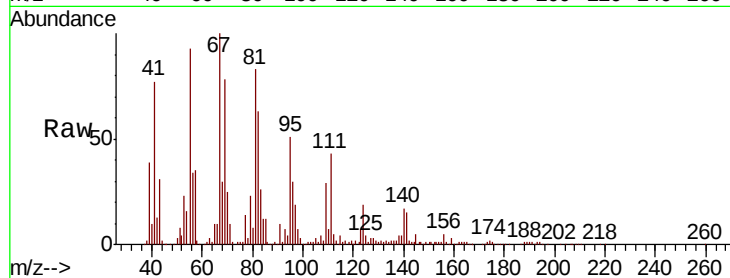
Tot Ion: 83 Resp: 36448

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

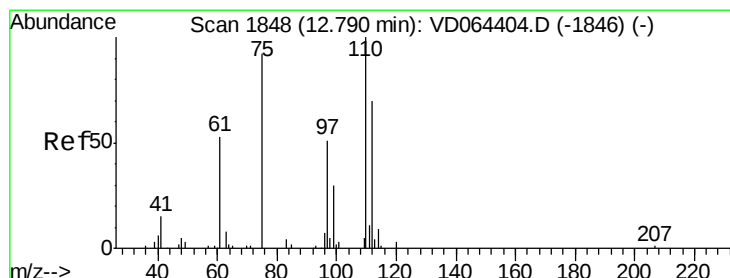
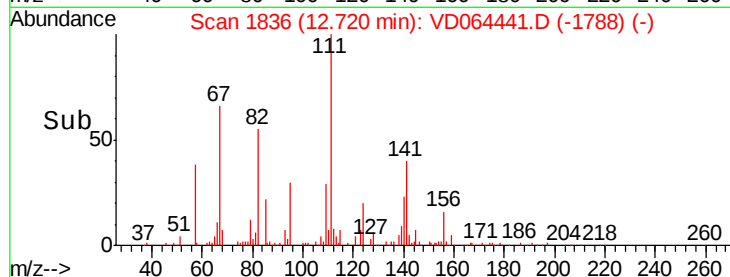
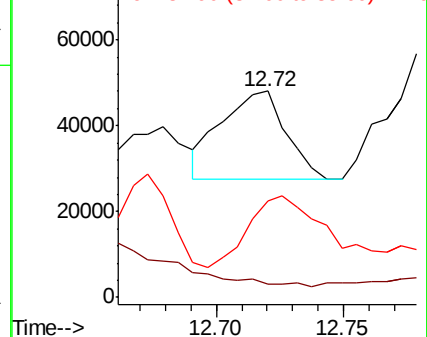
85 99.0 31.3 93.9#



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: 4.846 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.04 min

Lab File: VD064441.D

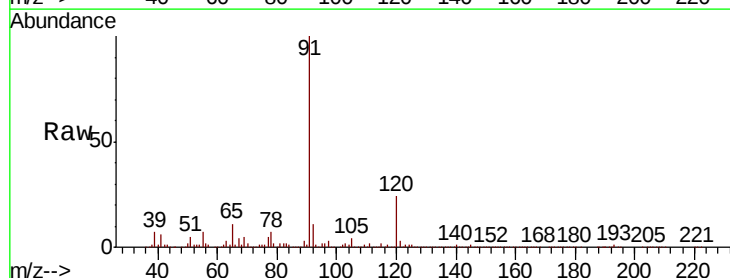
Acq: 05 Dec 2019 17:31

Tgt Ion: 75 Resp: 22624

Ion Ratio Lower Upper

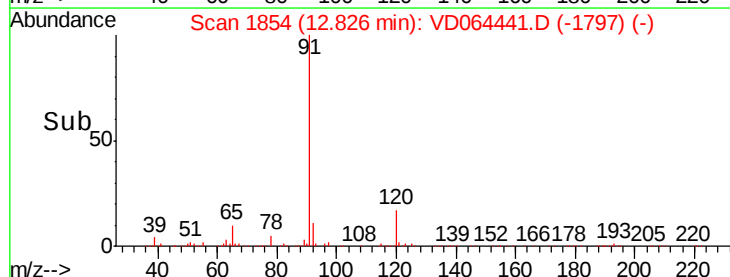
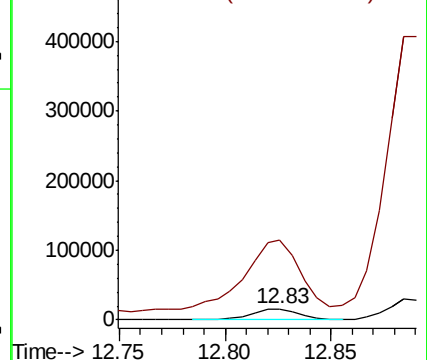
75 100

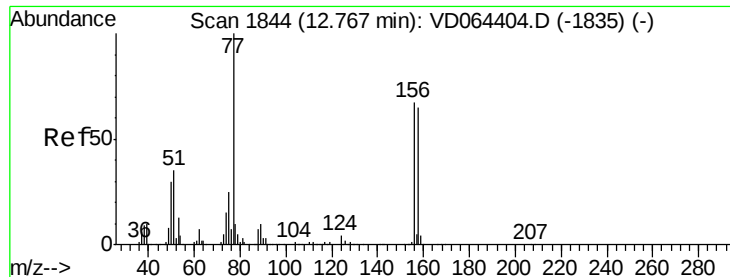
77 862.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.708 ug/l

RT: 12.62 min Scan# 1819

Delta R.T. -0.15 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

SOLID-COMPRES

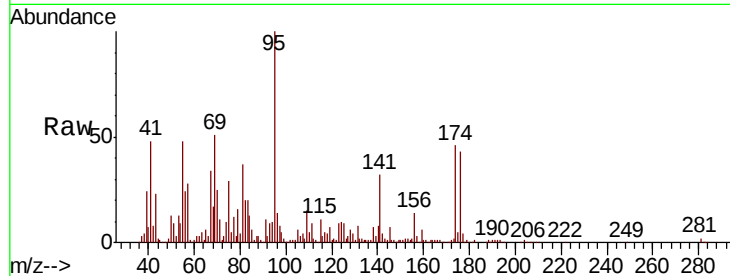
Tot Ion:156 Resp: 208811

Ion Ratio Lower Upper

156 100

77 0.0 80.0 240.2#

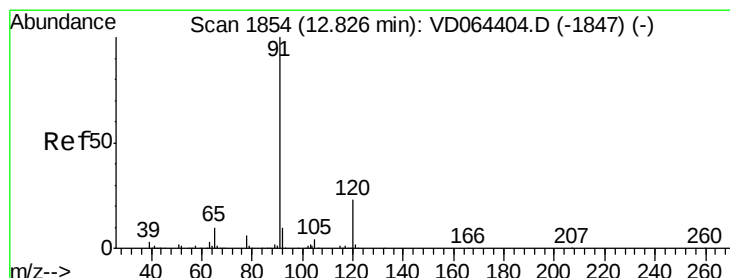
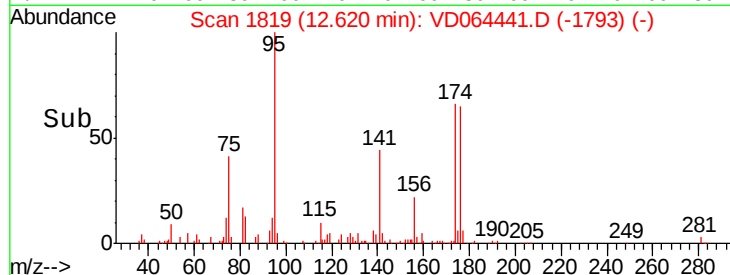
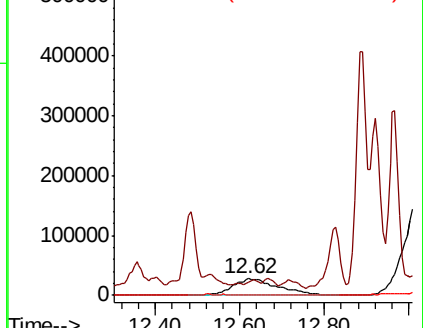
158 0.3 48.9 146.6#



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: 82.933 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064441.D

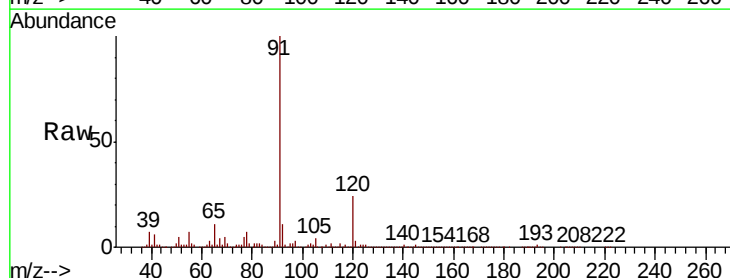
Acq: 05 Dec 2019 17:31

Tgt Ion: 91 Resp: 3907255

Ion Ratio Lower Upper

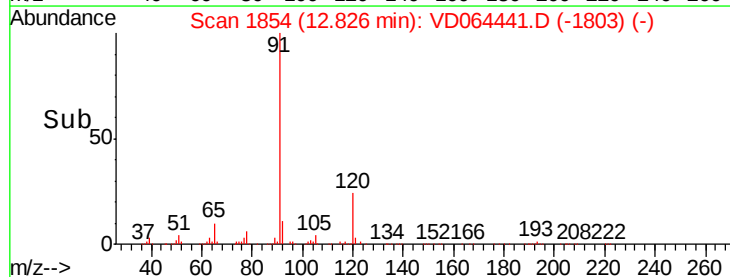
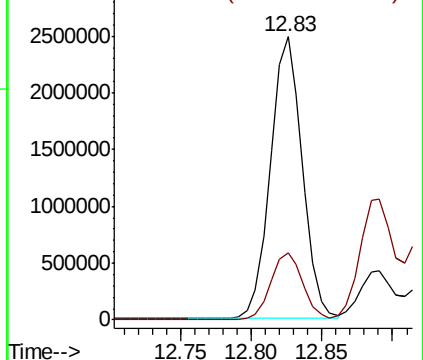
91 100

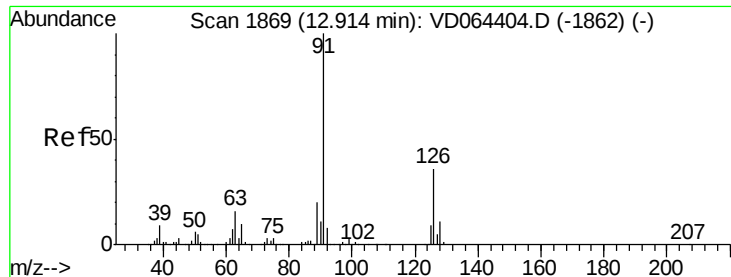
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

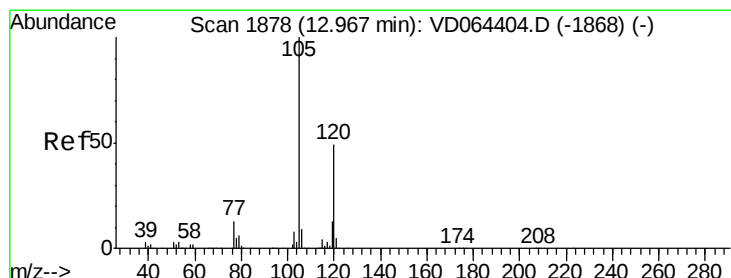
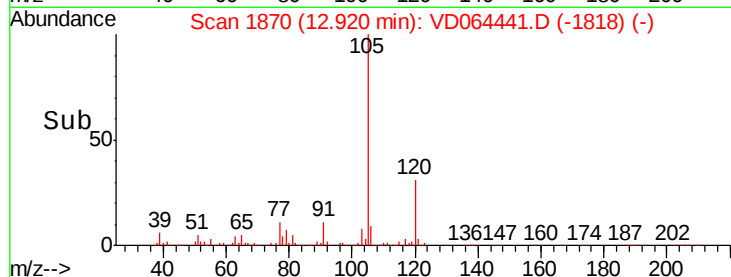
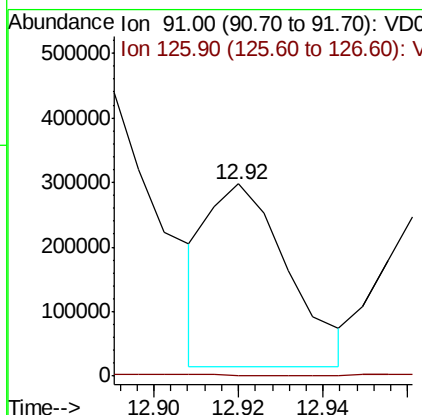
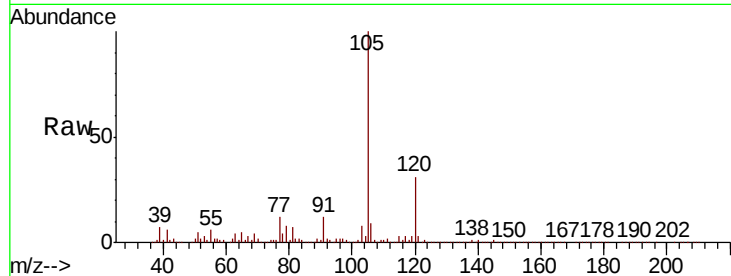




#79
 2-Chlorotoluene
 Concen: 14.303 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

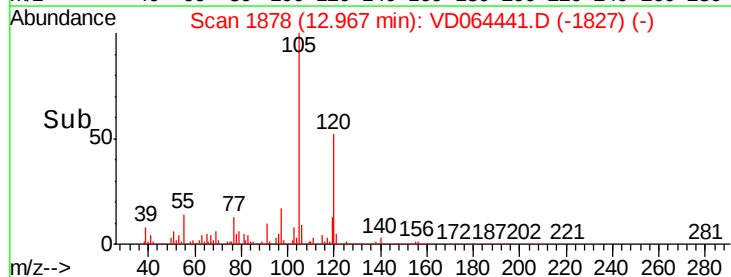
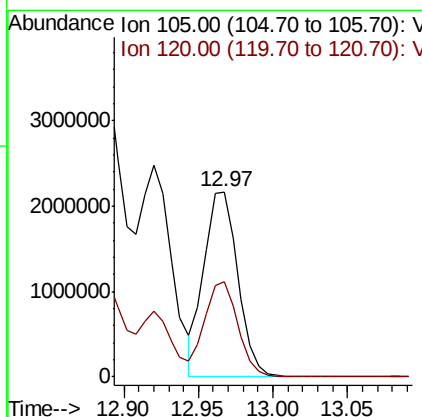
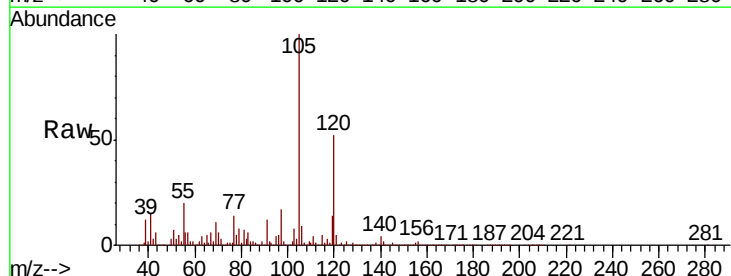
Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-COMPRES

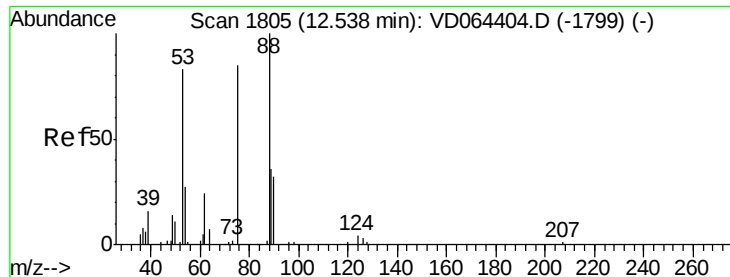
Tot Ion: 91 Resp: 370788
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.0 54.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 102.263 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

Tgt Ion: 105 Resp: 3412356
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.3

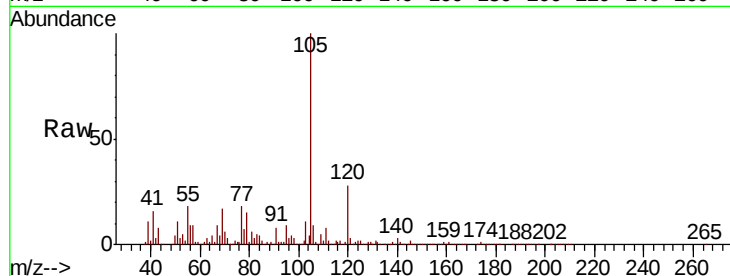




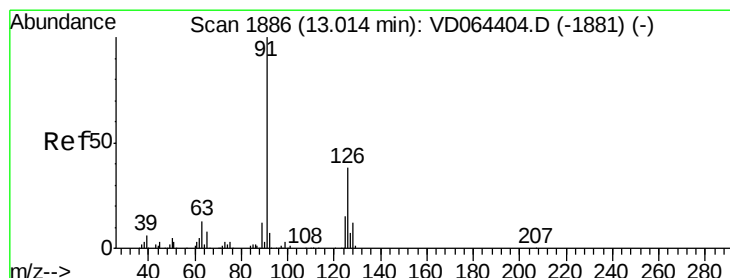
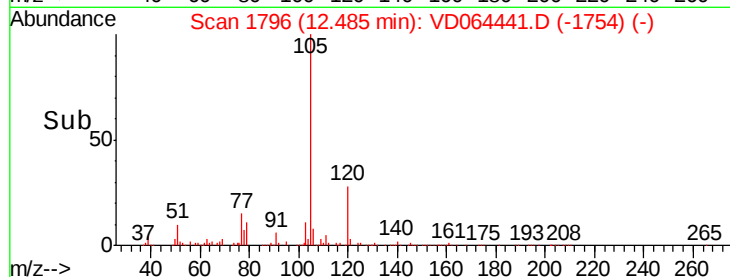
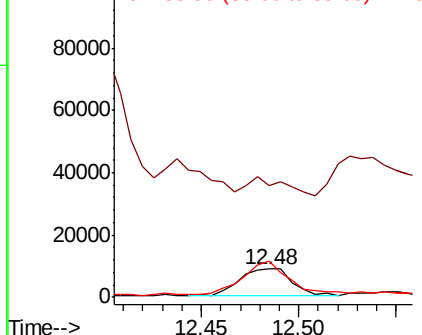
#81
trans-1,4-Dichloro-2-butene
Concen: 7.288 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.05 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

Tot Ion: 75 Resp: 15605
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 115.7 38.5 57.7#

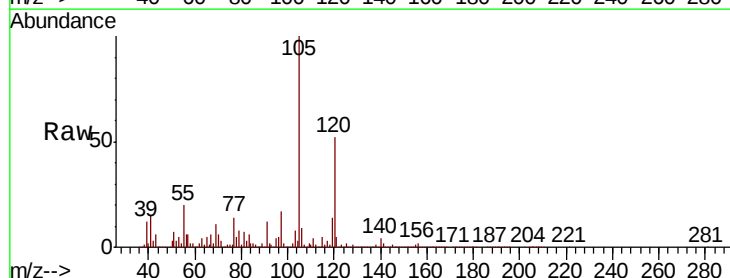


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

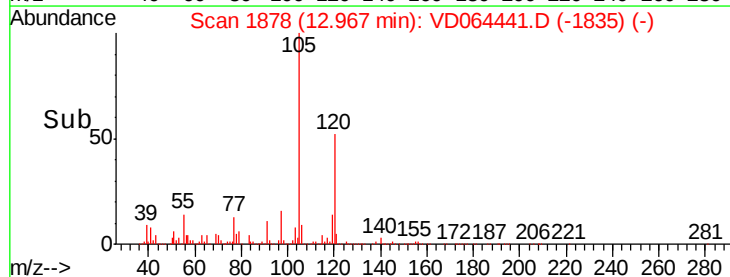
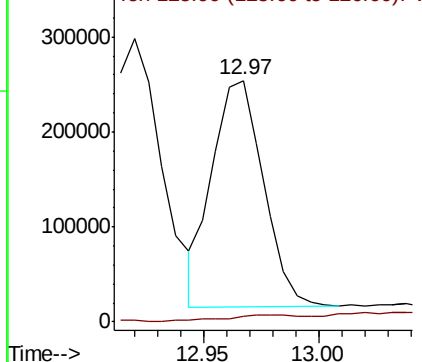


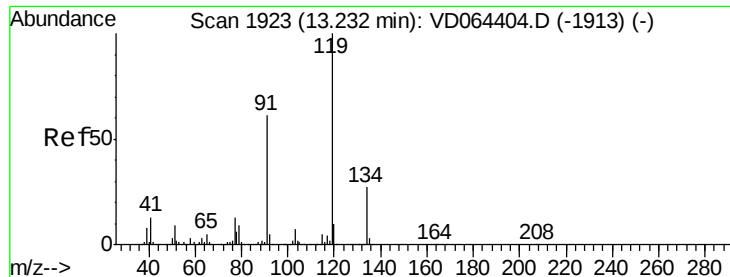
#82
4-Chlorotoluene
Concen: 13.475 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.05 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 91 Resp: 369848
Ion Ratio Lower Upper
91 100
126 3.4 18.2 54.6#



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

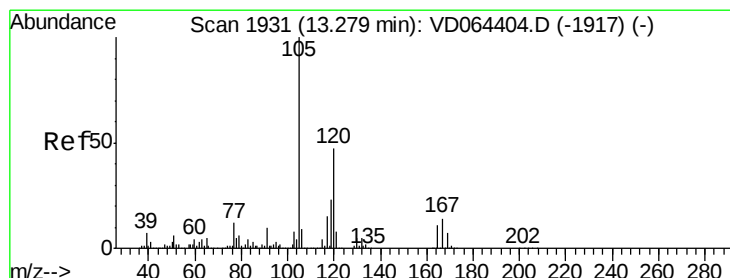
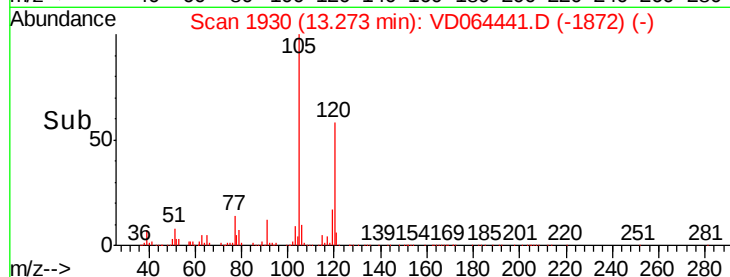
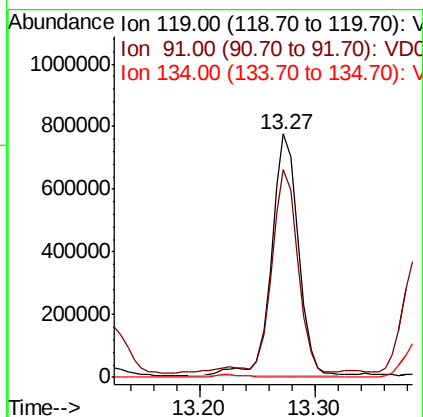
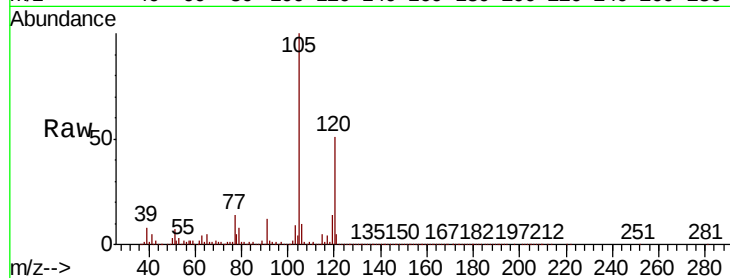




#83
tert-Butylbenzene
Concen: 42.792 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.04 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

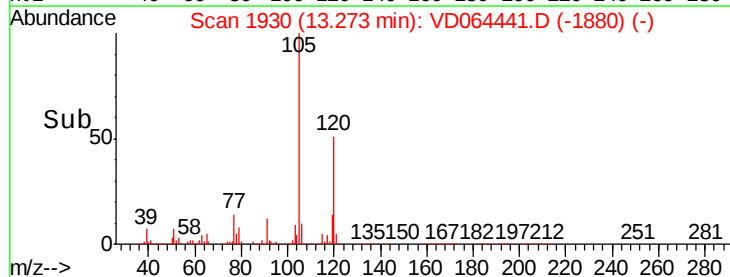
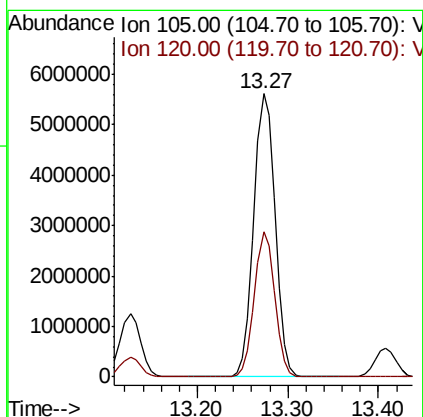
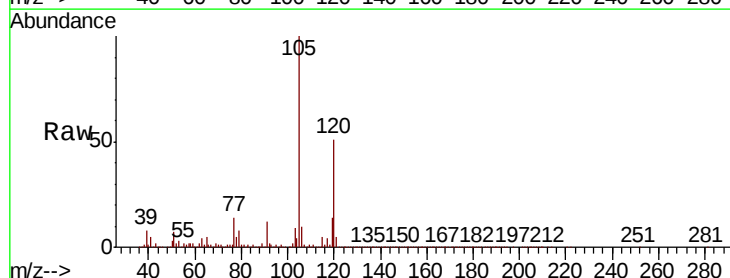
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

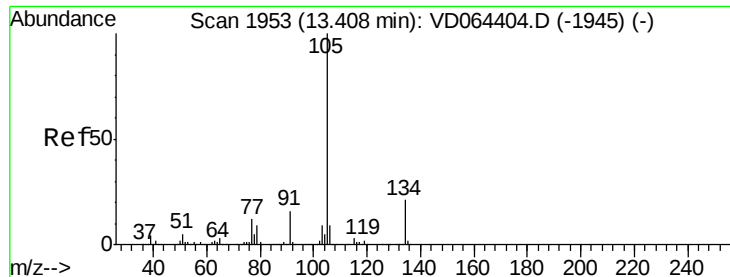
Tot Ion:119 Resp: 1241382
Ion Ratio Lower Upper
119 100
91 79.3 31.2 93.6
134 0.0 13.9 41.7#



#84
1,2,4-Trimethylbenzene
Concen: 273.230 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion:105 Resp: 9167657
Ion Ratio Lower Upper
105 100
120 49.0 23.6 70.8





#85

sec-Butylbenzene

Concen: 22.888 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

Instrument :

MSVOA_D

ClientSampleId :

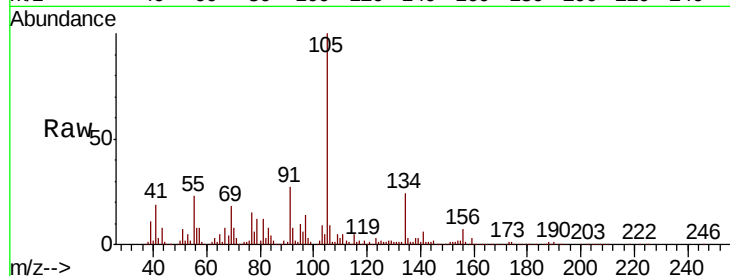
SOLID-COMPRESS

Tot Ion:105 Resp: 911299

Ion Ratio Lower Upper

105 100

134 38.6 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

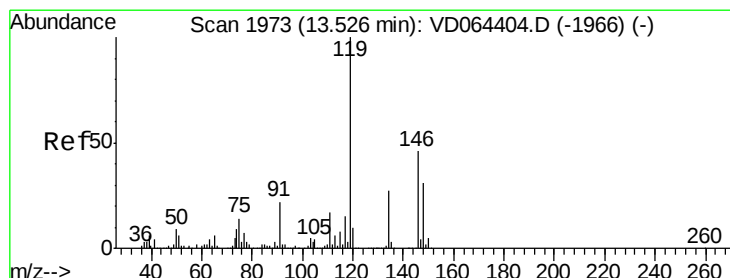
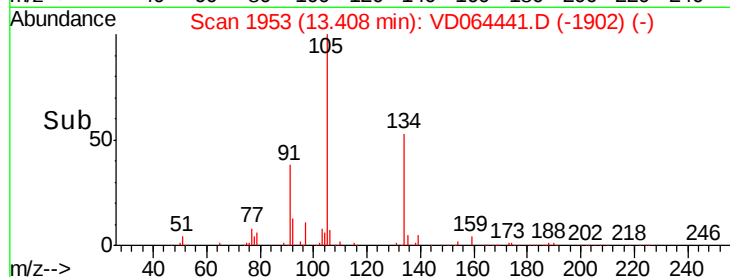
400000

200000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 13.369 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064441.D

Acq: 05 Dec 2019 17:31

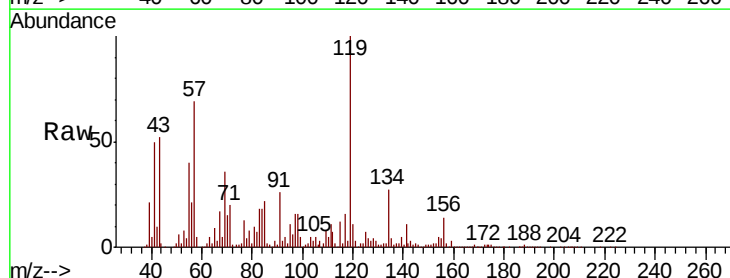
Tgt Ion:119 Resp: 502539

Ion Ratio Lower Upper

119 100

134 29.7 13.5 40.4

91 23.5 11.2 33.5



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

500000

400000

300000

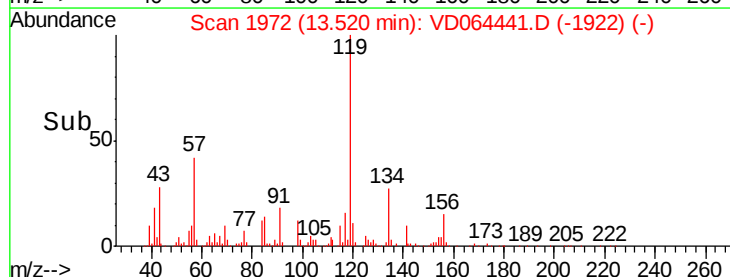
200000

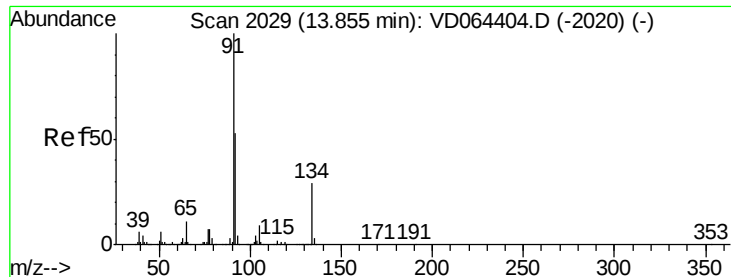
100000

0

13.50 13.55

Time-->

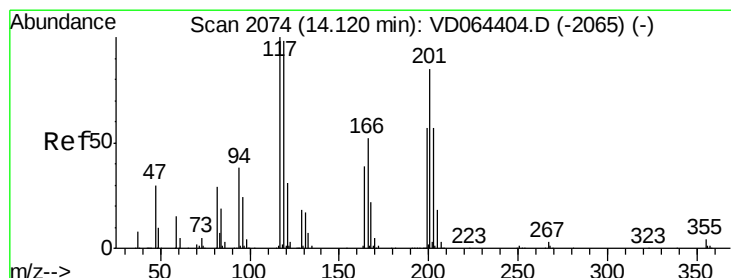
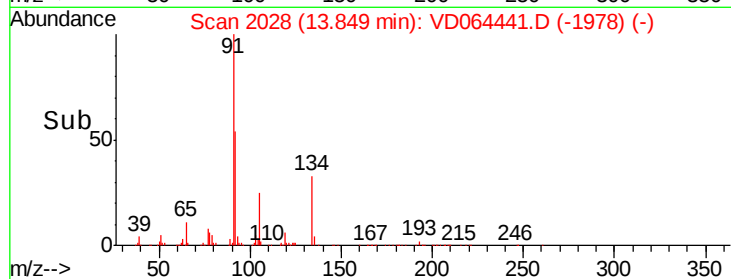
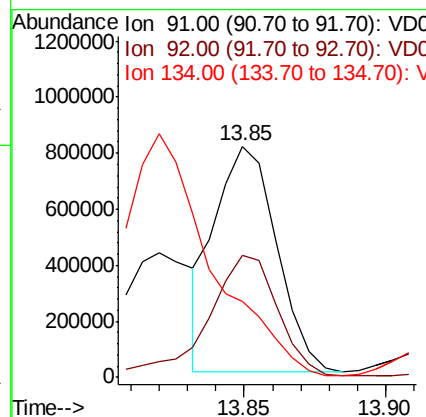
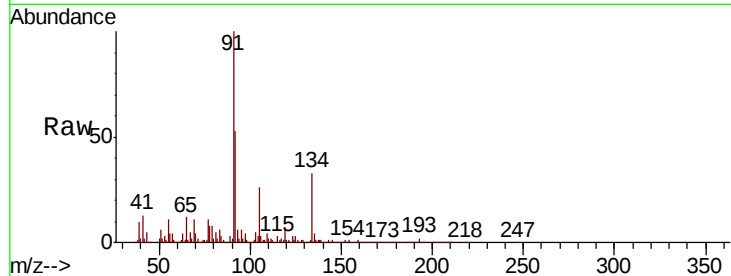




#89
n-Butylbenzene
Concen: 35.748 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

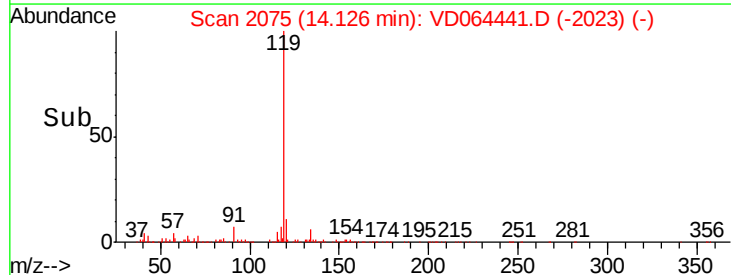
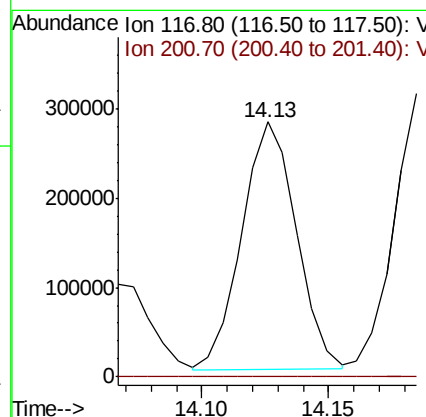
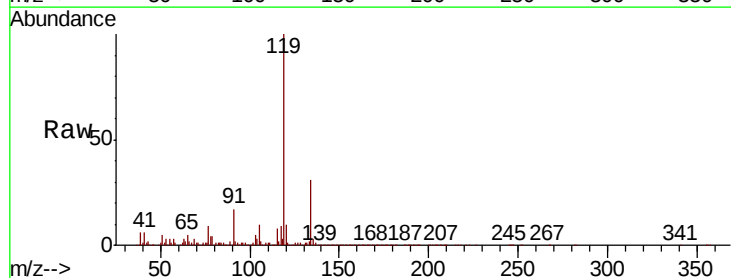
Instrument :
MSVOA_D
ClientSampleId :
SOLID-COMPRES

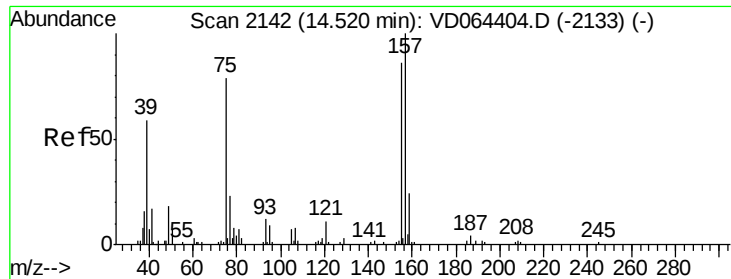
Tot Ion: 91 Resp: 1220293
Ion Ratio Lower Upper
91 100
92 60.8 26.5 79.4
134 0.0 13.9 41.7#



#90
Hexachloroethane
Concen: 59.148 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064441.D
Acq: 05 Dec 2019 17:31

Tgt Ion: 117 Resp: 415843
Ion Ratio Lower Upper
117 100
201 0.1 44.3 132.8#

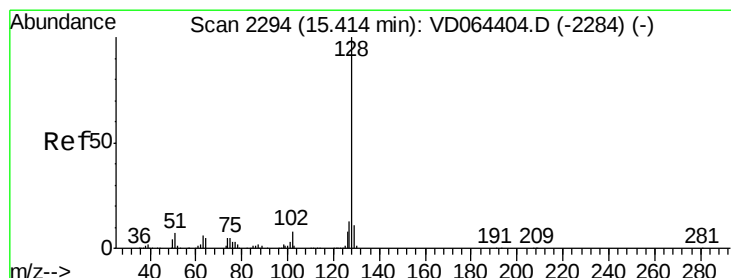
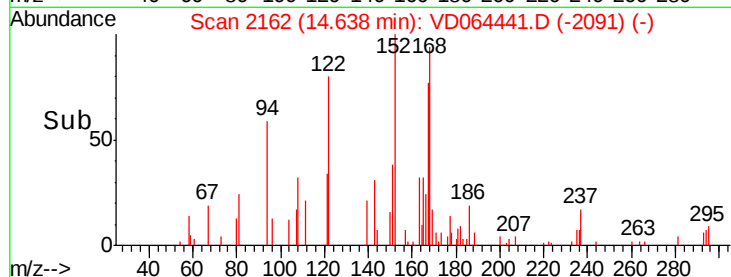
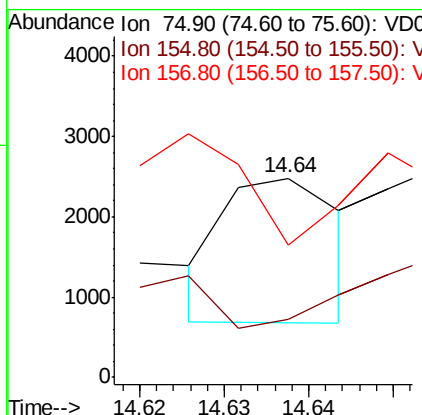
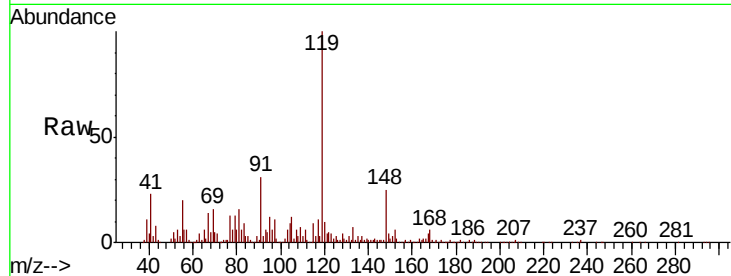




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.64 min Scan# 2162
 Delta R.T. 0.12 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SOLID-COMPRES

Tot Ion: 75 Resp: 1716
 Ion Ratio Lower Upper
 75 100
 155 77.3 51.9 155.7
 157 106.3 63.2 189.8



#95
 Naphthalene
 Concen: 22.188 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VD064441.D
 Acq: 05 Dec 2019 17:31

Tgt Ion: 128 Resp: 463825
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.5 15.7
 129 13.8 8.8 13.2#

