

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064582.D
 Acq On : 12 Nov 2020 15:36
 Operator : JC/MD
 Sample : L4701-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRANSFORMER-1-3-TOP

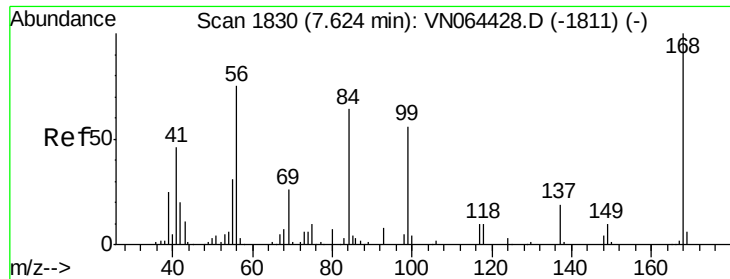
Quant Time: Nov 13 02:50:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	522964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	555500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195347	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	243097	58.43	ug/l	0.00
Spiked Amount			Recovery	=	116.86%	
35) Dibromofluoromethane	7.55	113	179107	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	10.06	98	671070	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.38	95	246345	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	373	0.813	ug/l #	71
13) Acrolein	3.54	56	64	0.225	ug/l #	70
16) Acetone	3.79	43	26886	16.966	ug/l	91
18) Methyl Acetate	4.30	43	5404	1.735	ug/l #	76
20) Methylene Chloride	4.51	84	10380	3.301	ug/l	83
25) 2-Butanone	6.80	43	3548	1.757	ug/l	94
31) Cyclohexane	7.62	56	7779	1.538	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	23507	4.255	ug/l #	51
37) Ethyl Acetate	6.89	43	652	0.877	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26423	4.475	ug/l #	18
43) Isopropyl Acetate	8.13	43	97921	10.937	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1915	0.442	ug/l #	45
48) Methyl methacrylate	9.15	41	5605	1.241	ug/l #	15
49) 1,4-Dioxane	9.24	88	63	1.059	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	9403	1.801	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	37140	5.344	ug/l #	66
56) Ethyl methacrylate	10.52	69	3805	2.418	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6111	0.907	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.70	63	79	21.562	ug/l #	51
59) 2-Hexanone	10.74	43	106315	28.596	ug/l #	57
74) N-amyl acetate	12.02	43	2923	1.593	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	141246	29.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	141246	83.323	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

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MSVOA_N

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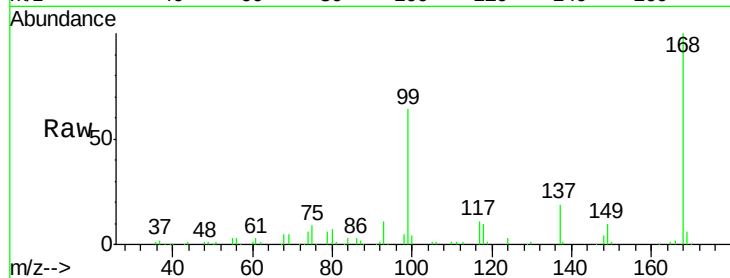
TRANSFORMER-1-3-TOP

Tot Ion:168 Resp: 238843

Ion Ratio Lower Upper

168 100

99 64.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

120000

100000

80000

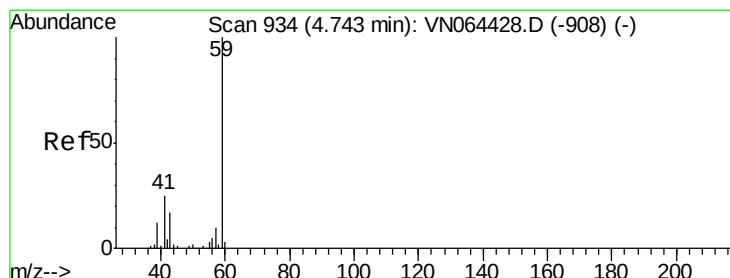
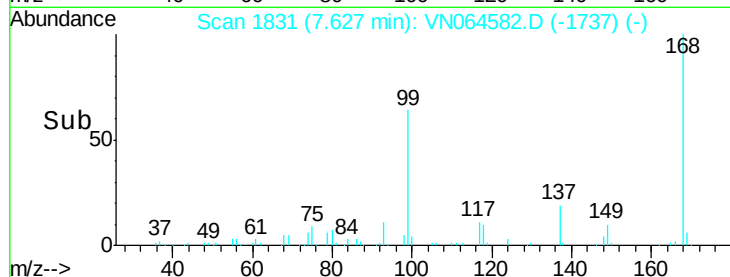
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.813 ug/l

RT: 4.75 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN064582.D

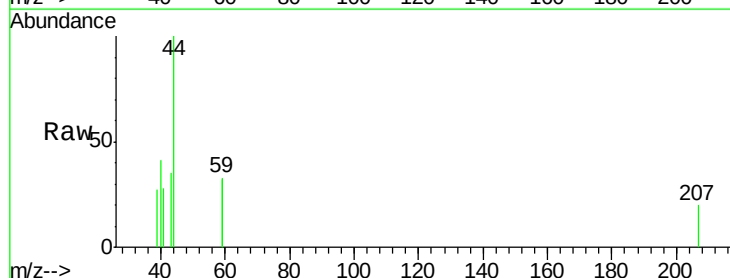
Acq: 12 Nov 2020 15:36

Tgt Ion: 59 Resp: 373

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064428.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN064428.D (-908) (-)

4.75

600

500

400

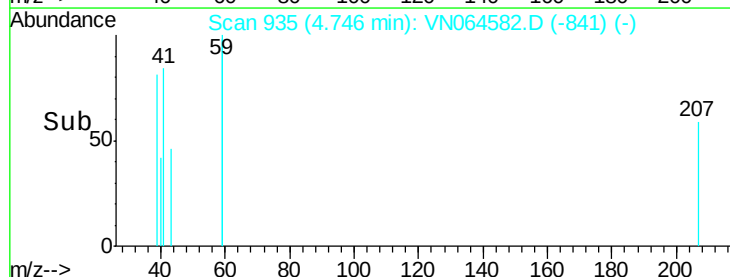
300

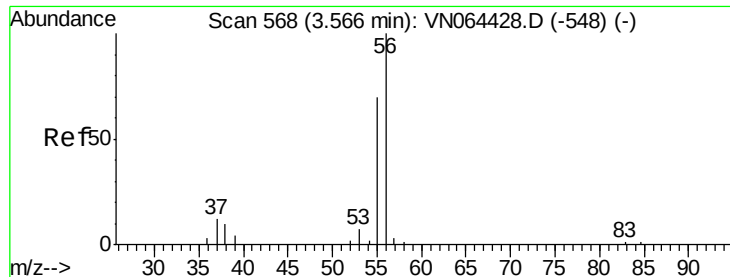
200

100

0

Time--> 4.72 4.73 4.74 4.75 4.76





#13

Acrolein

Concen: 0.225 ug/l

RT: 3.54 min Scan# 560

Delta R.T. -0.03 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

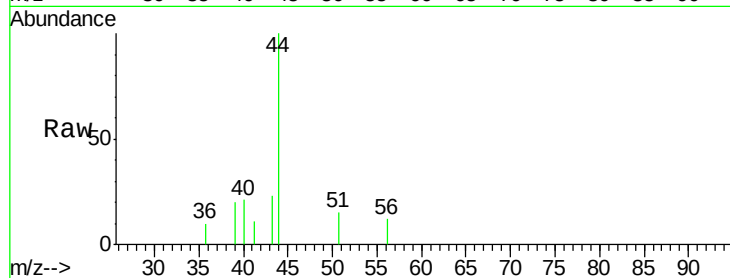
TRANSFORMER-1-3-TOP

Tot Ion: 56 Resp: 64

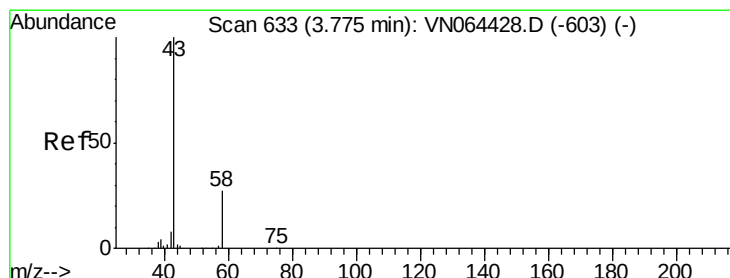
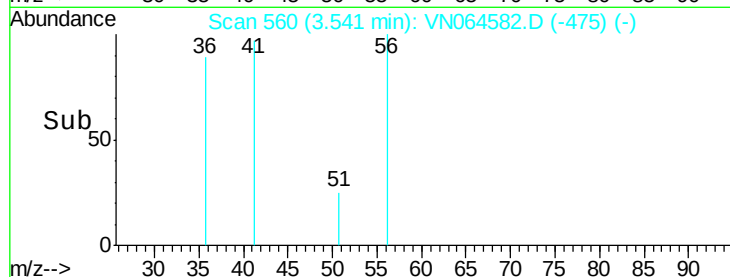
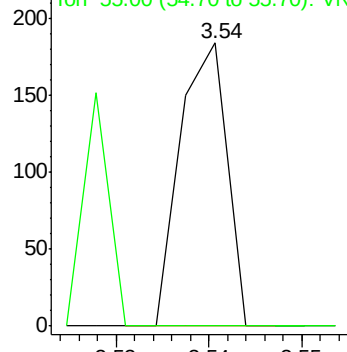
Ion Ratio Lower Upper

56 100

55 45.3 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)



#16

Acetone

Concen: 16.966 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064582.D

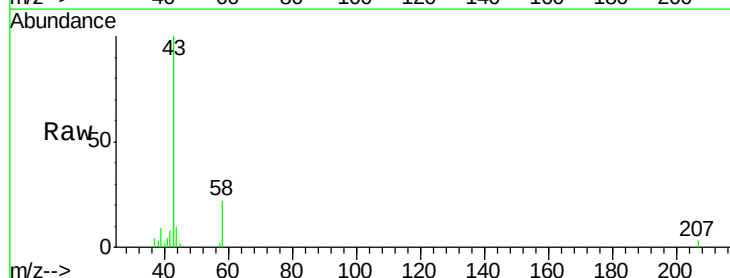
Acq: 12 Nov 2020 15:36

Tgt Ion: 43 Resp: 26886

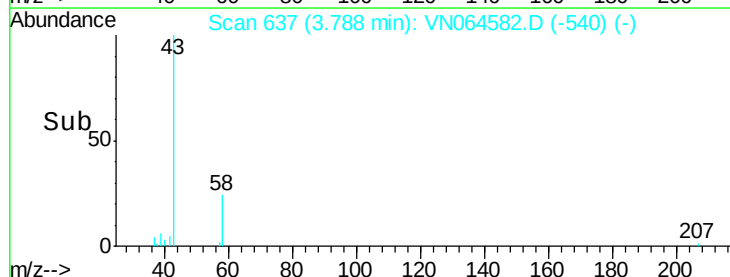
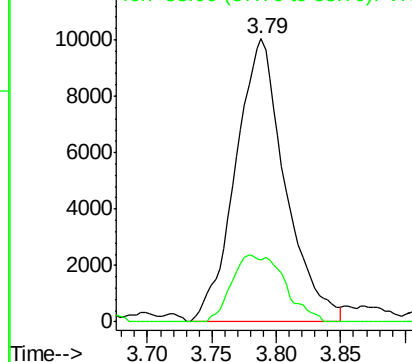
Ion Ratio Lower Upper

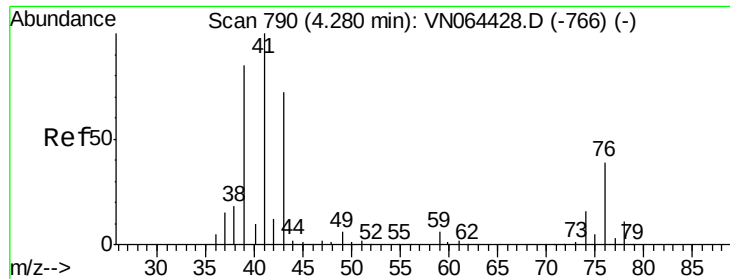
43 100

58 22.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

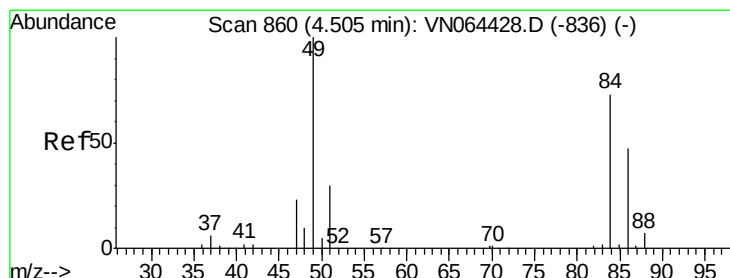
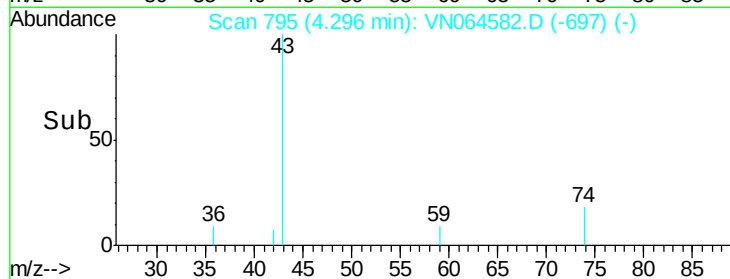
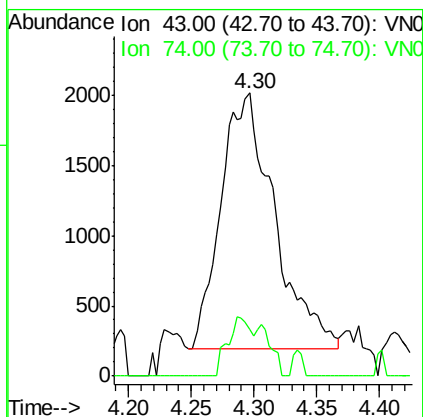
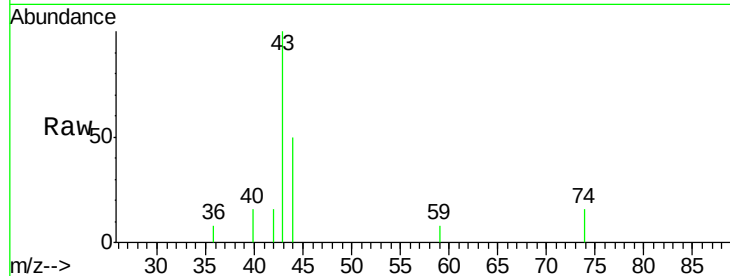




#18
Methyl Acetate
Concen: 1.735 ug/l
RT: 4.30 min Scan# 795
Delta R.T. 0.02 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

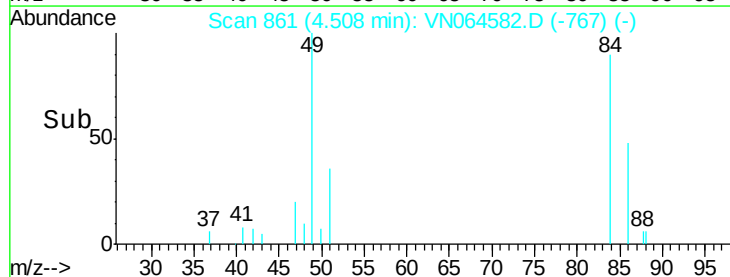
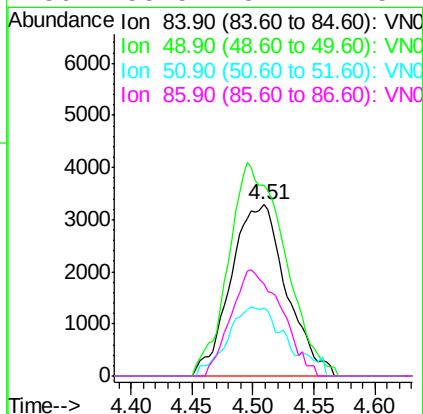
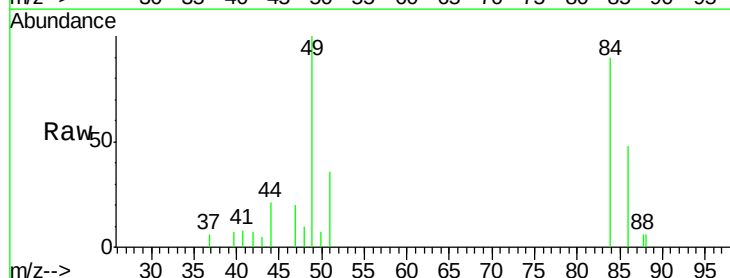
Instrument :
MSVOA_N
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TRANSFORMER-1-3-TOP

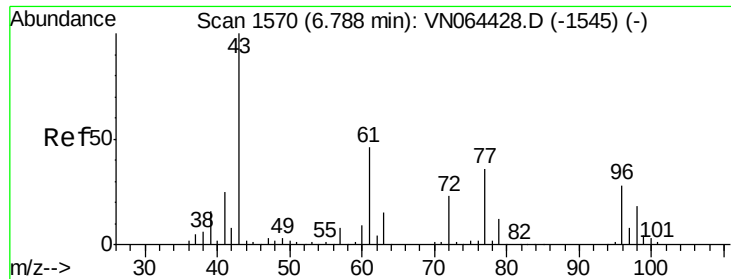
Tot Ion: 43 Resp: 5404
Ion Ratio Lower Upper
43 100
74 10.0 17.0 25.4#



#20
Methylene Chloride
Concen: 3.301 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Tgt Ion: 84 Resp: 10380
Ion Ratio Lower Upper
84 100
49 111.2 110.1 165.1
51 39.7 33.6 50.4
86 53.5 52.1 78.1





#25

2-Butanone

Concen: 1.757 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

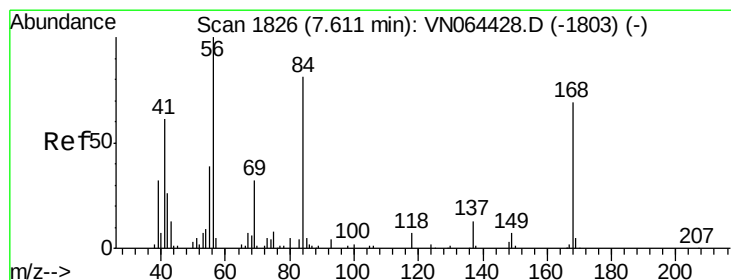
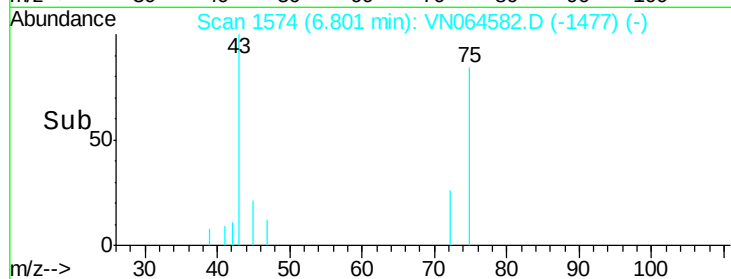
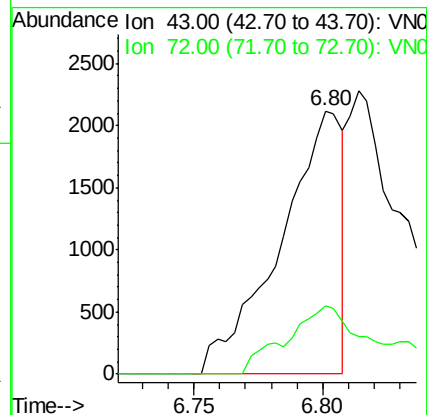
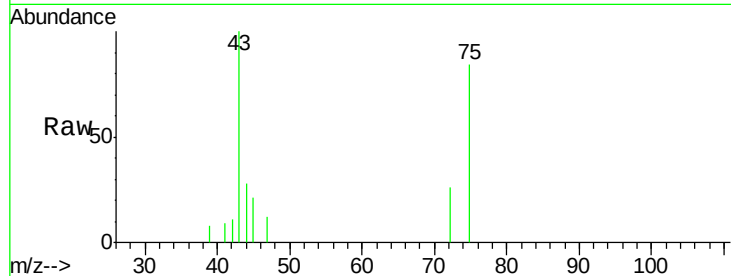
TRANSFORMER-1-3-TOP

Tot Ion: 43 Resp: 3548

Ion Ratio Lower Upper

43 100

72 26.0 18.5 27.7



#31

Cyclohexane

Concen: 1.538 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

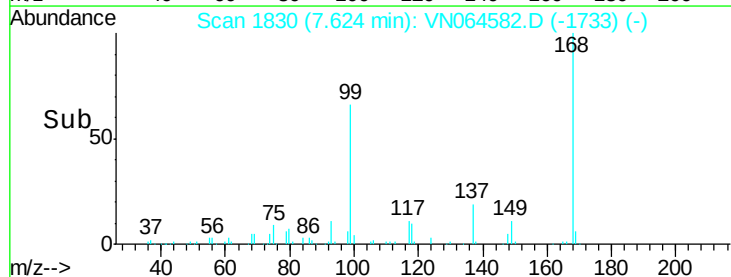
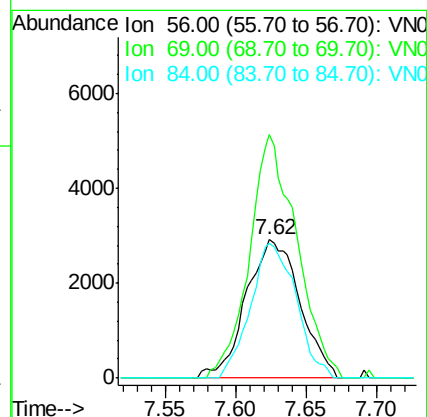
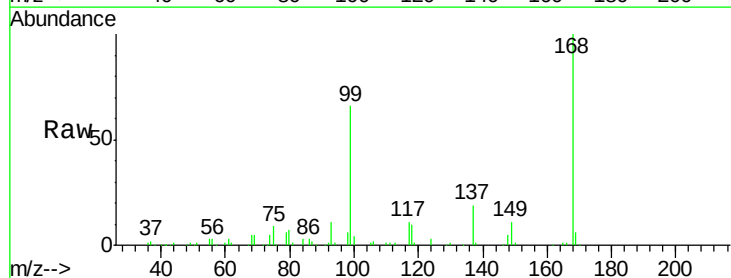
Tgt Ion: 56 Resp: 7779

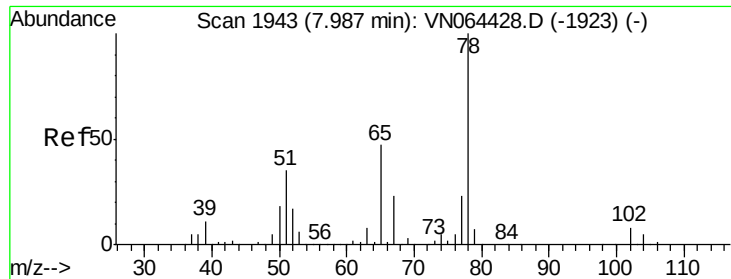
Ion Ratio Lower Upper

56 100

69 175.8 25.6 38.4#

84 97.3 63.0 94.6#

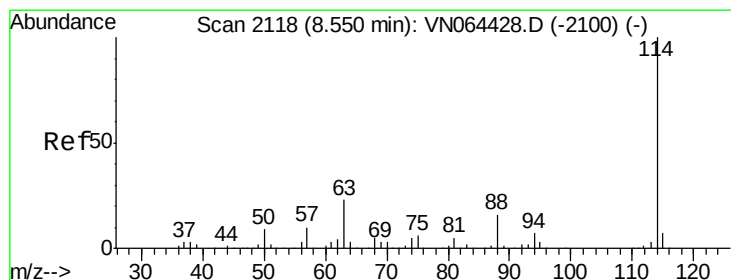
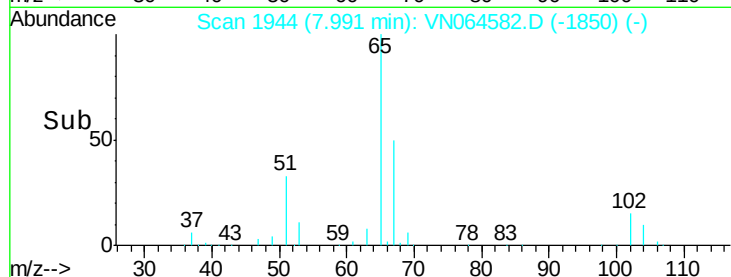
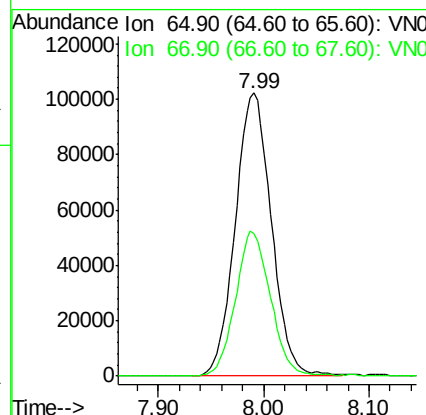
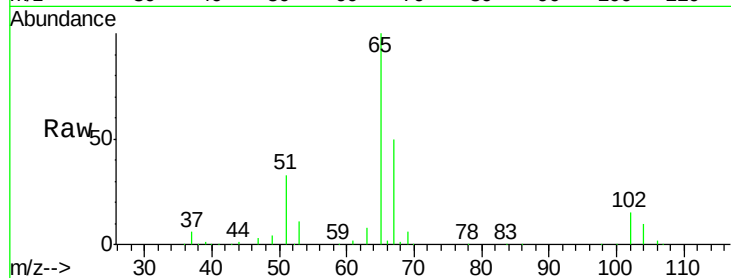




#33
 1,2-Dichloroethane-d4
 Concen: 58.433 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064582.D
 Acq: 12 Nov 2020 15:36

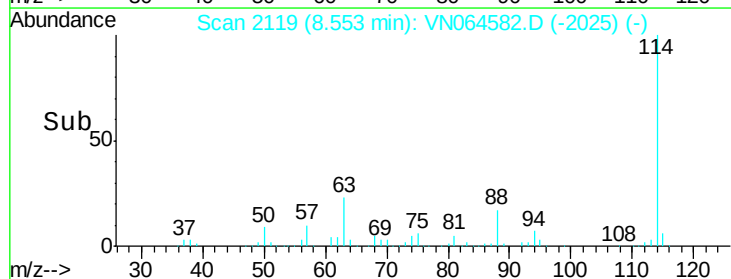
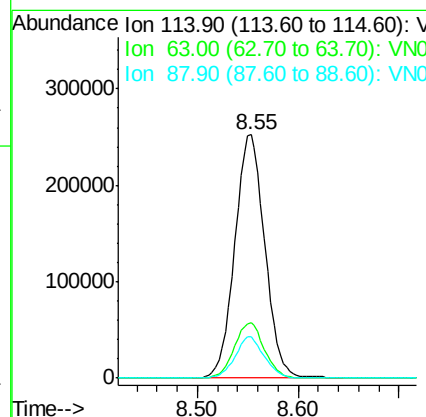
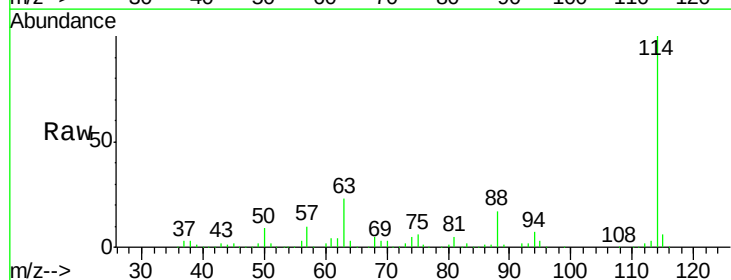
Instrument :
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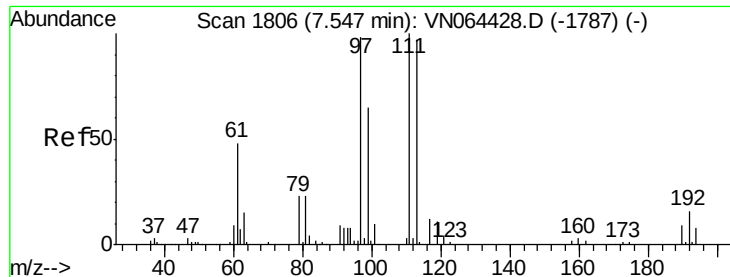
Tot Ion: 65 Resp: 243097
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064582.D
 Acq: 12 Nov 2020 15:36

Tgt Ion: 114 Resp: 522964
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.8 0.0 32.8

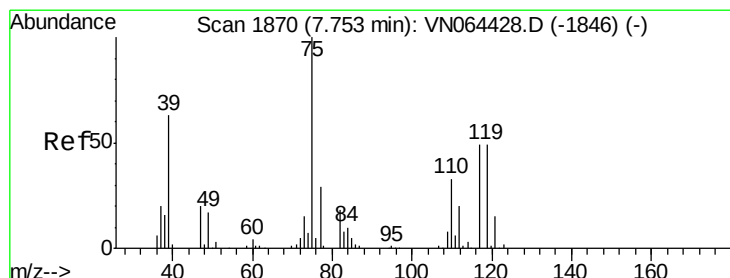
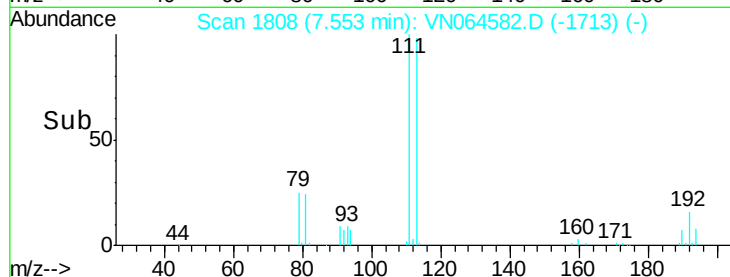
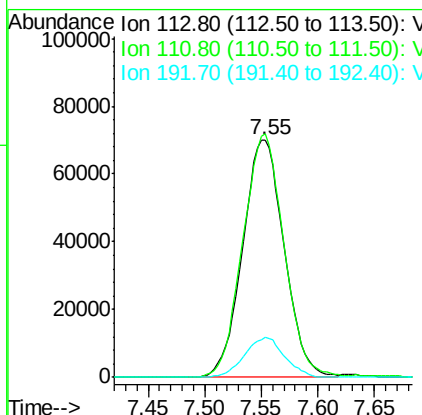
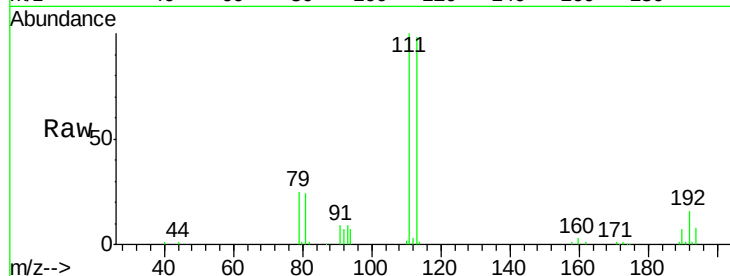




#35
 Dibromofluoromethane
 Concen: 50.302 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064582.D
 Acq: 12 Nov 2020 15:36

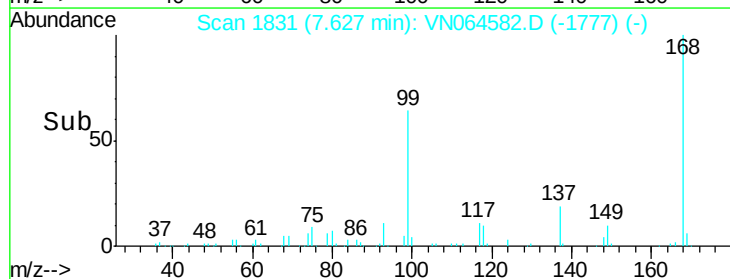
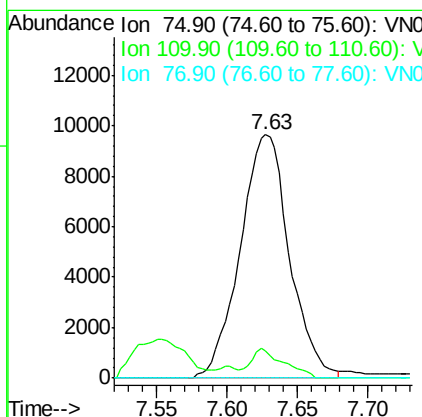
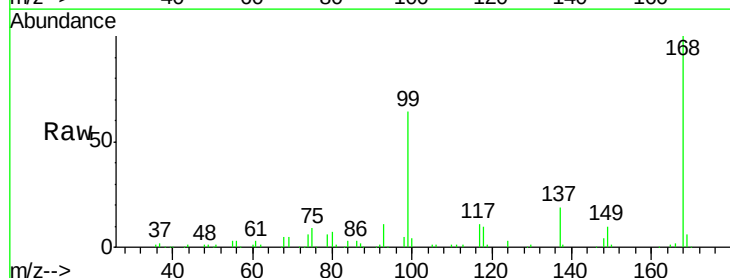
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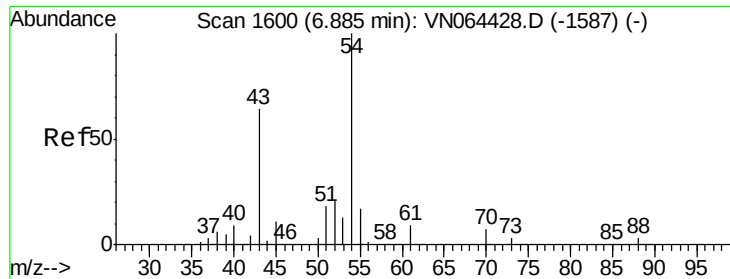
Tot Ion:113 Resp: 179107
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.1 121.7
 192 16.2 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.255 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064582.D
 Acq: 12 Nov 2020 15:36

Tgt Ion: 75 Resp: 23507
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.0 48.0#
 77 0.0 24.0 36.0#

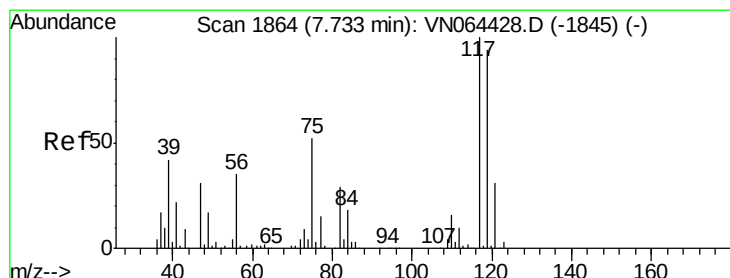
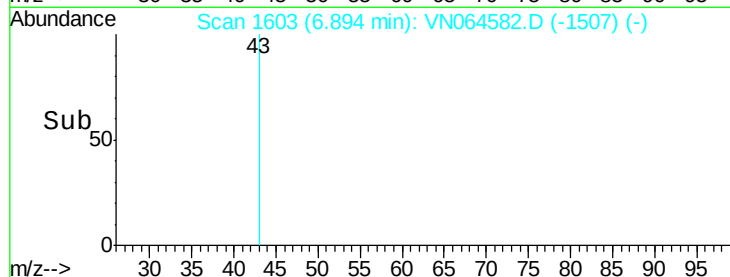
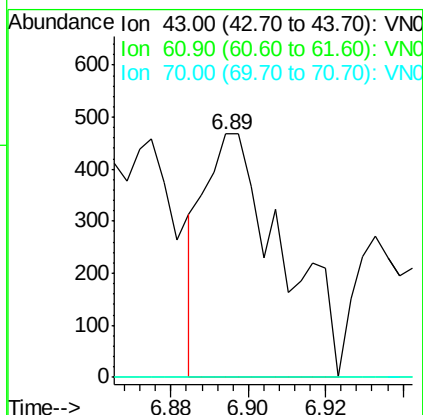
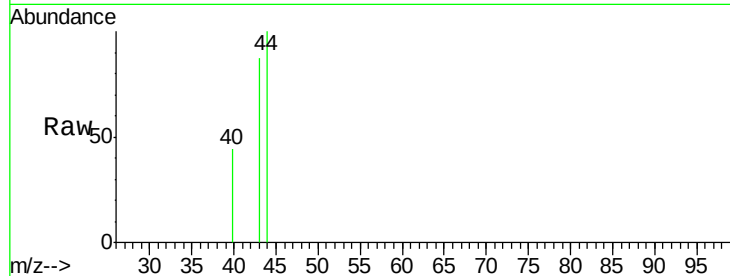




#37
Ethyl Acetate
Concen: 0.877 ug/l
RT: 6.89 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

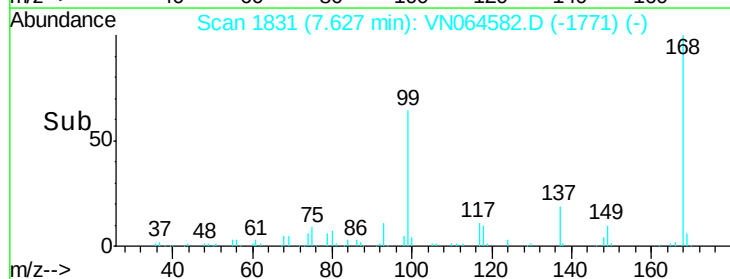
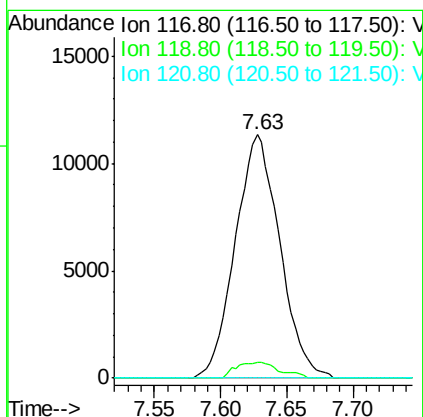
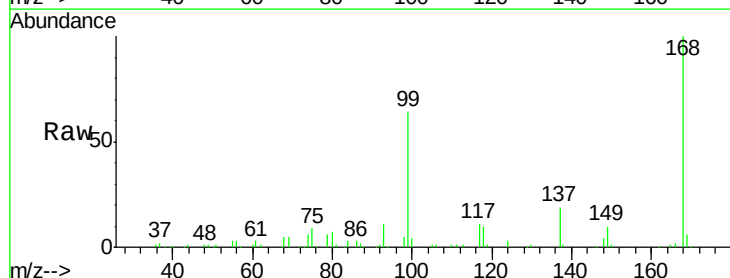
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-3-TOP

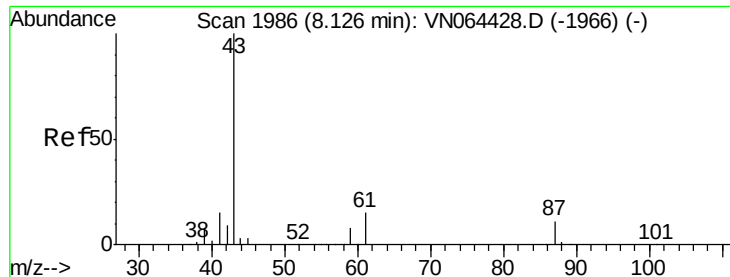
Tot Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.475 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Tgt Ion: 117 Resp: 26423
Ion Ratio Lower Upper
117 100
119 6.5 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 10.937 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-3-TOP

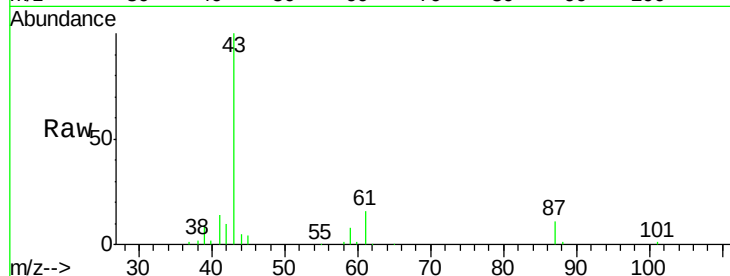
Tot Ion: 43 Resp: 97921

Ion Ratio Lower Upper

43 100

61 16.5 14.0 21.0

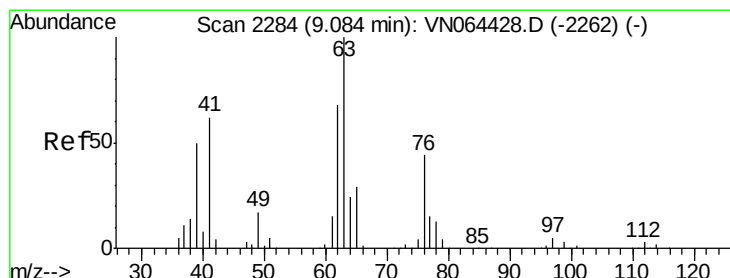
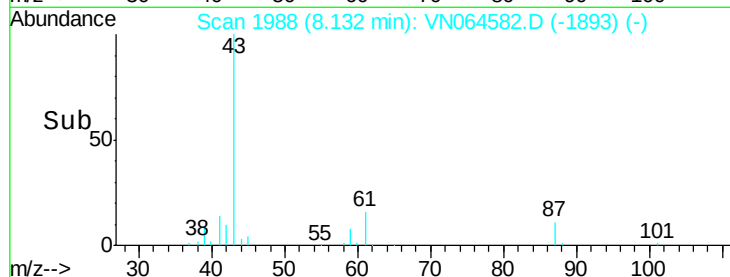
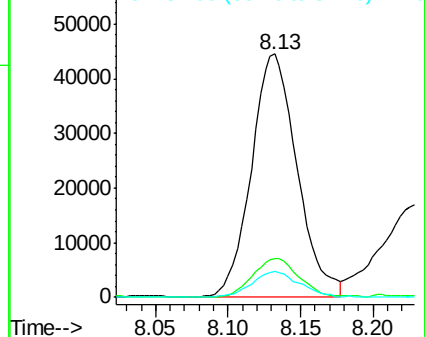
87 11.0 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.442 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064582.D

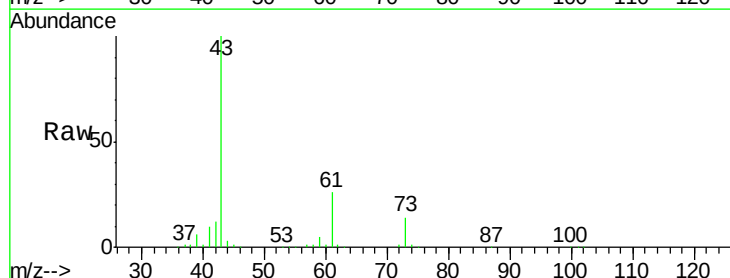
Acq: 12 Nov 2020 15:36

Tgt Ion: 63 Resp: 1915

Ion Ratio Lower Upper

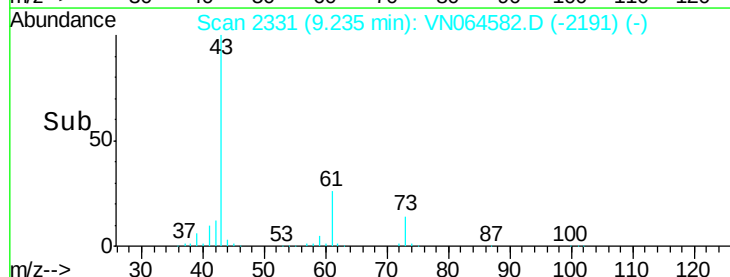
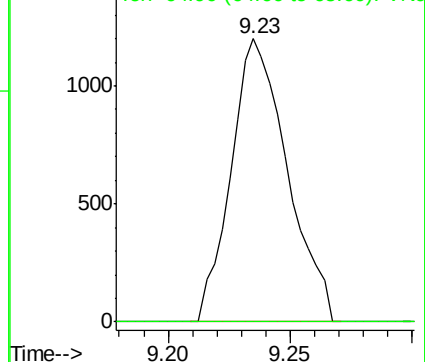
63 100

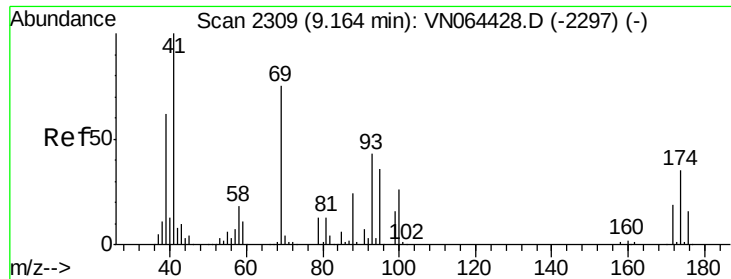
65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

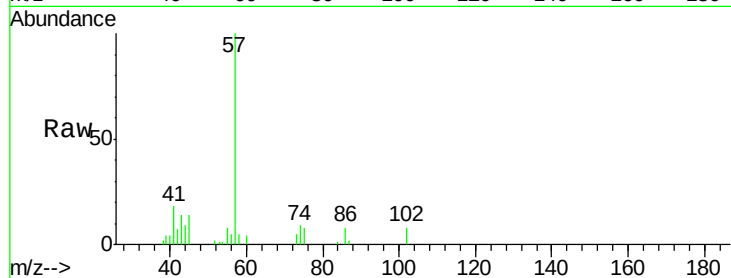




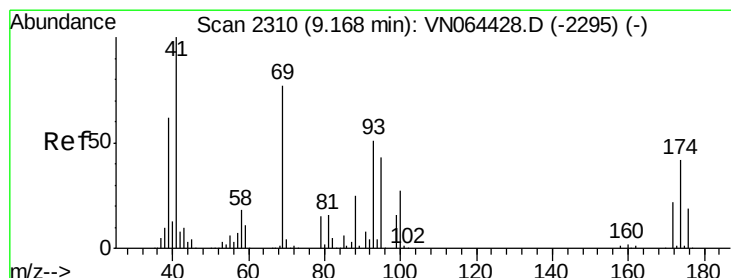
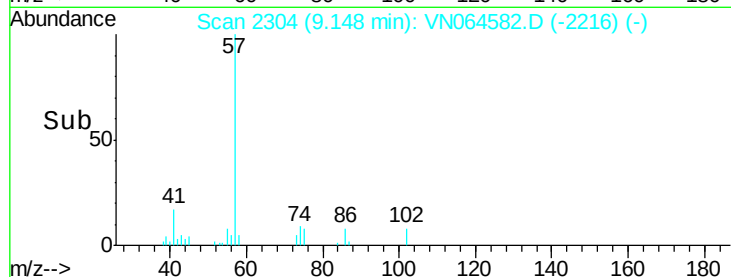
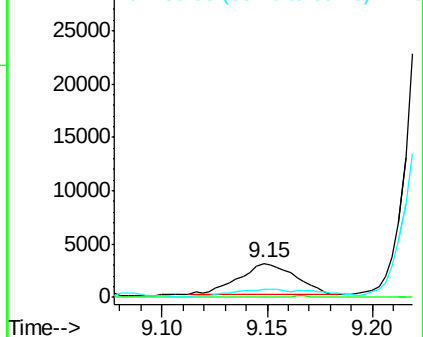
#48
Methyl methacrylate
Concen: 1.241 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-3-TOP

Tot Ion: 41 Resp: 5605
Ion Ratio Lower Upper
41 100
69 1.2 60.4 90.6#
39 0.0 51.2 76.8#

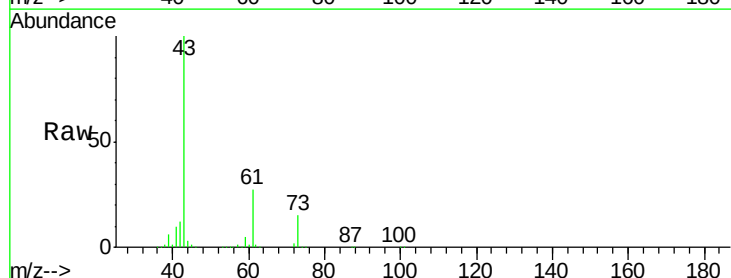


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

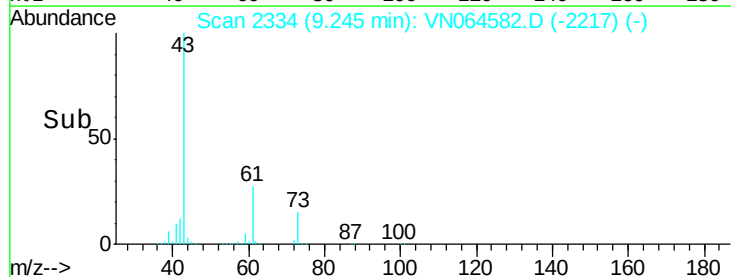
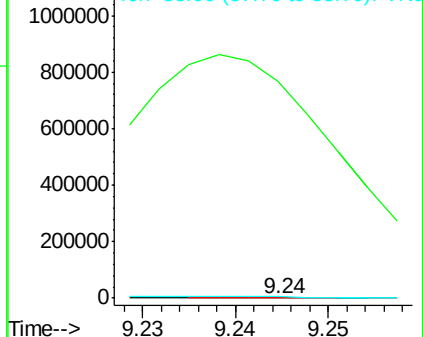


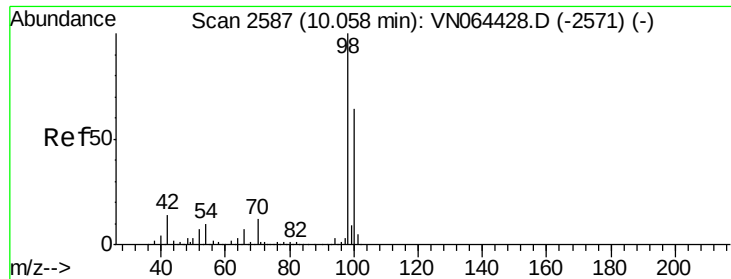
#49
1,4-Dioxane
Concen: 1.059 ug/l
RT: 9.24 min Scan# 2334
Delta R.T. 0.08 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 2529869.8 31.0 46.6#
58 14152.4 58.4 87.6#



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

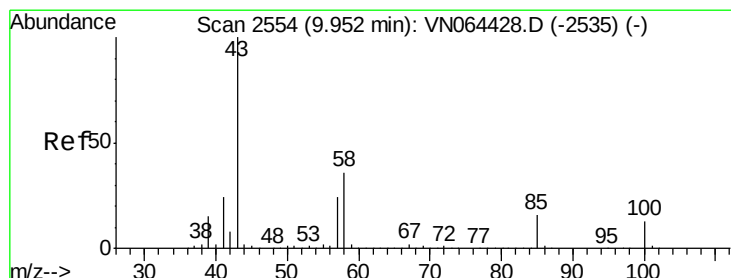
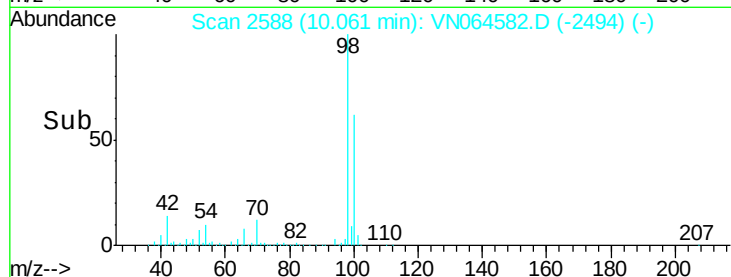
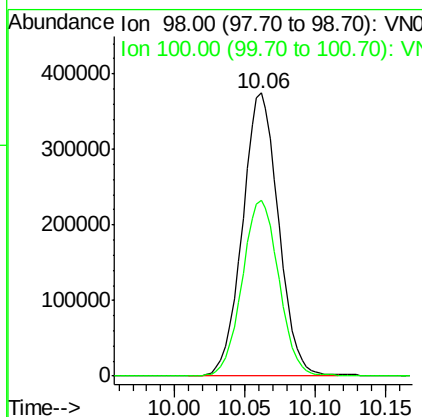
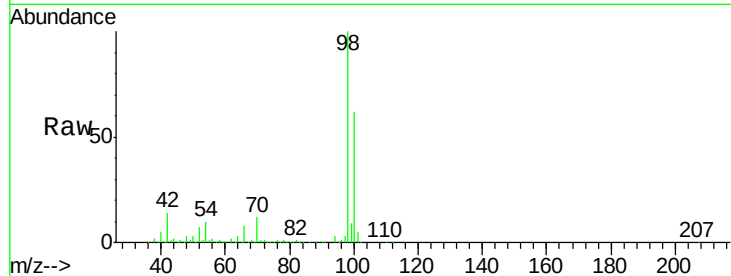




#50
Toluene-d8
Concen: 48.763 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

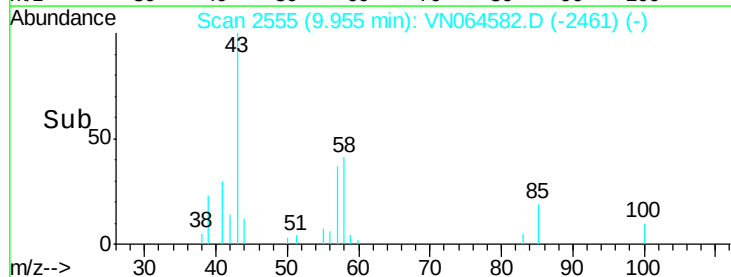
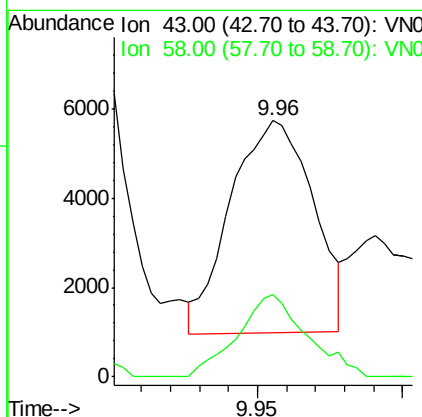
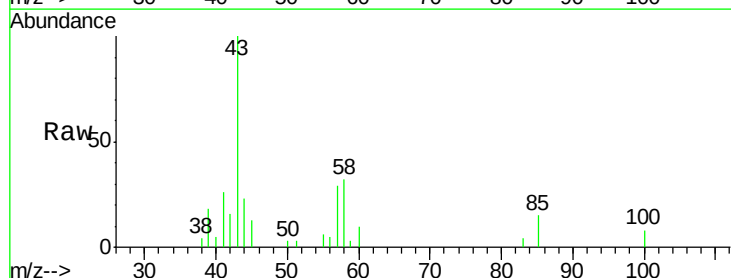
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-3-TOP

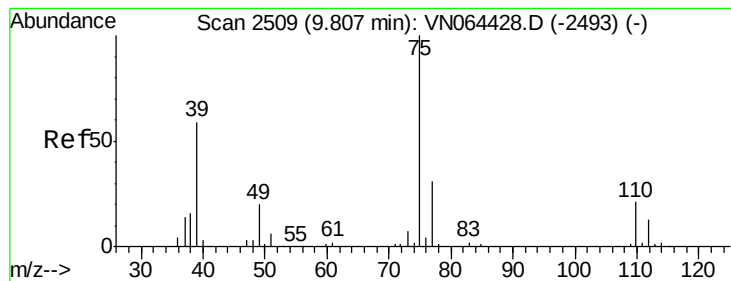
Tot Ion: 98 Resp: 671070
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.801 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Tgt Ion: 43 Resp: 9403
Ion Ratio Lower Upper
43 100
58 32.5 28.4 42.6





#54

cis-1,3-Dichloropropene

Concen: 5.344 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-3-TOP

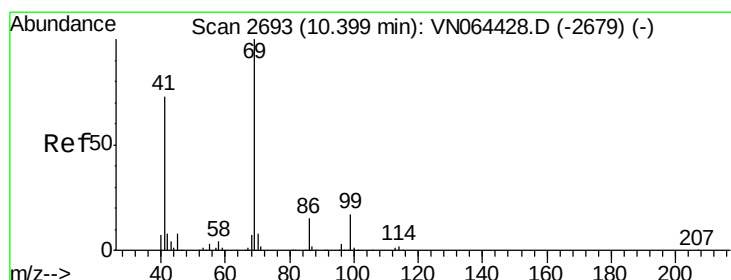
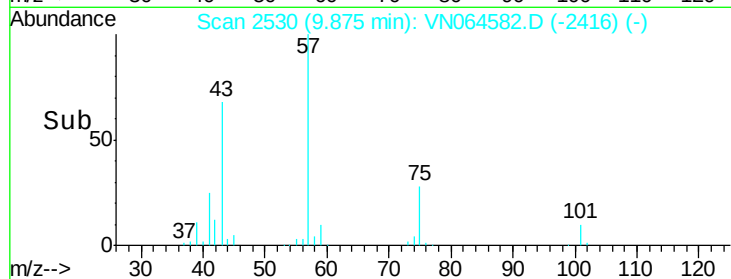
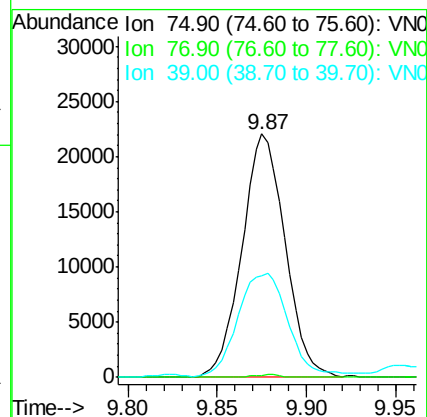
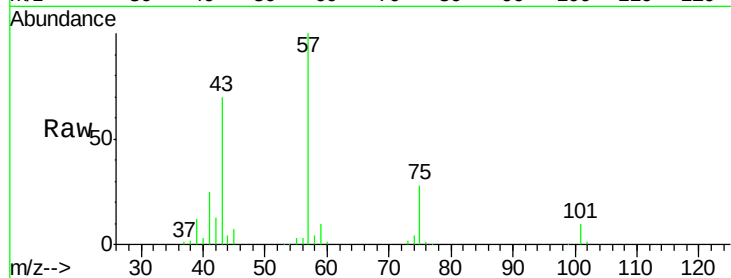
Tot Ion: 75 Resp: 37140

Ion Ratio Lower Upper

75 100

77 0.9 24.9 37.3#

39 41.9 47.1 70.7#



#56

Ethyl methacrylate

Concen: 2.418 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

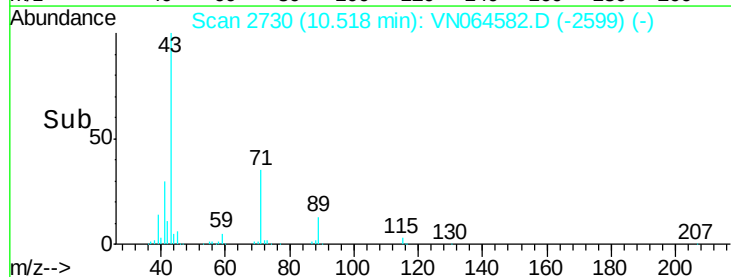
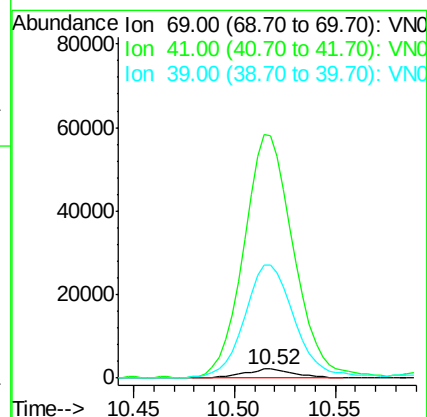
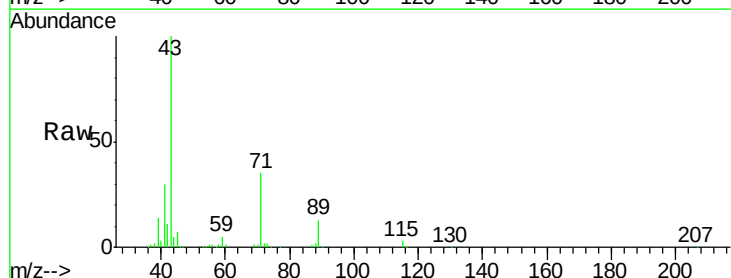
Tgt Ion: 69 Resp: 3805

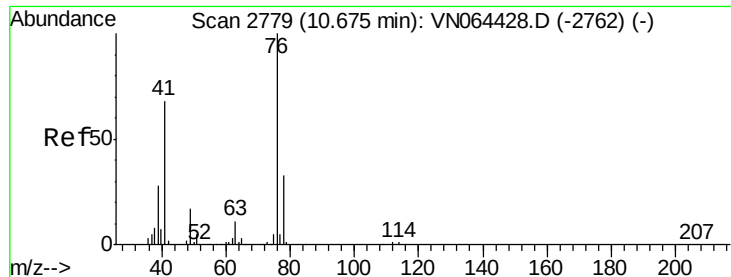
Ion Ratio Lower Upper

69 100

41 2634.7 59.3 88.9#

39 1226.8 35.4 53.0#

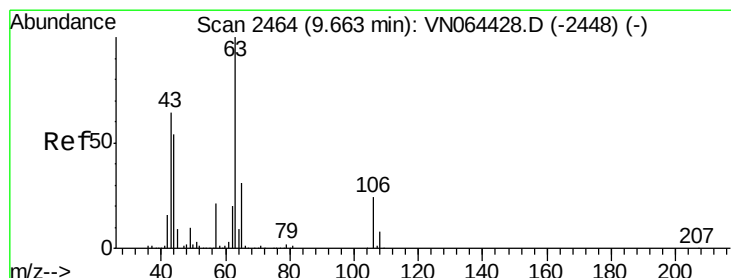
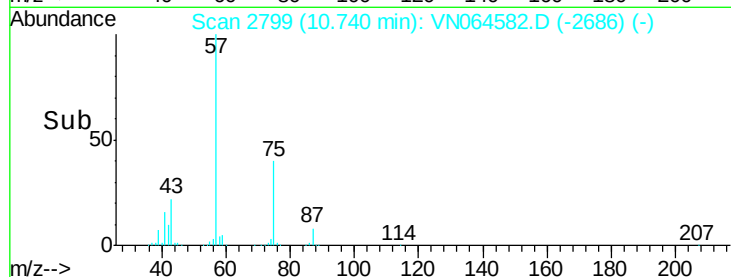
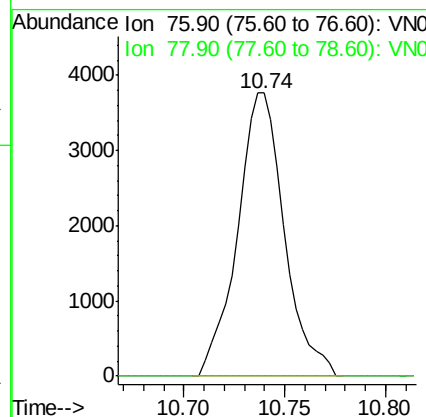
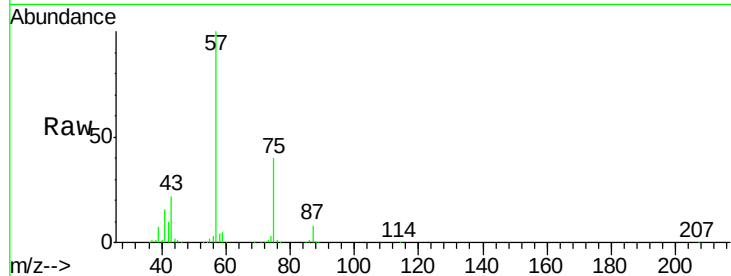




#57
 1,3-Dichloropropane
 Concen: 0.907 ug/l
 RT: 10.74 min Scan# 2799
 Delta R.T. 0.06 min
 Lab File: VN064582.D
 Acq: 12 Nov 2020 15:36

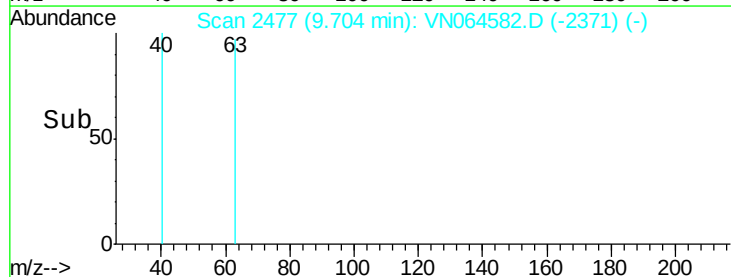
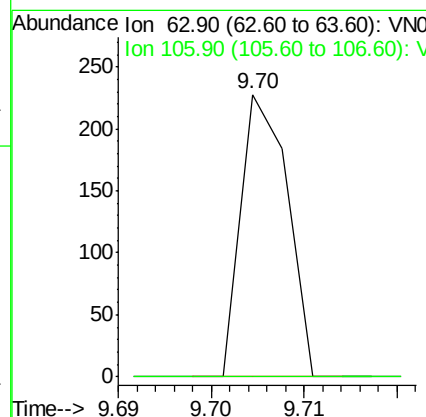
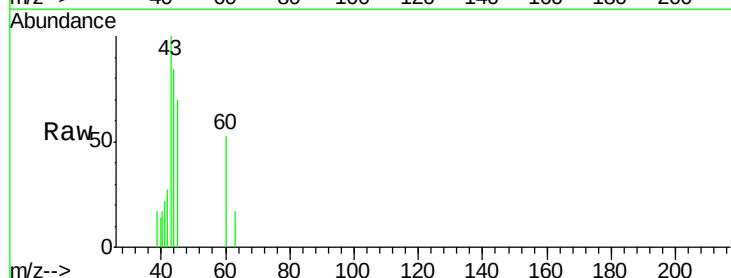
Instrument :
 MSVOA_N
 ClientSampleId :
 TRANSFORMER-1-3-TOP

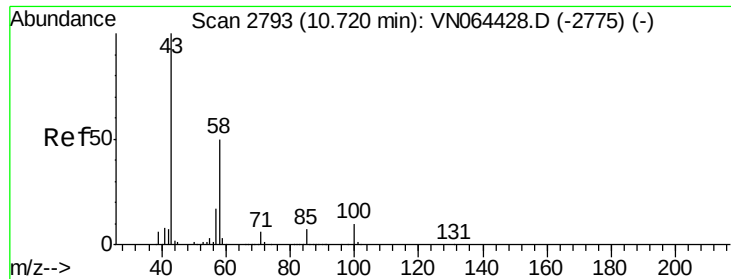
Tot Ion: 76 Resp: 6111
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.562 ug/l
 RT: 9.70 min Scan# 2477
 Delta R.T. 0.04 min
 Lab File: VN064582.D
 Acq: 12 Nov 2020 15:36

Tgt Ion: 63 Resp: 79
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.5 29.3#

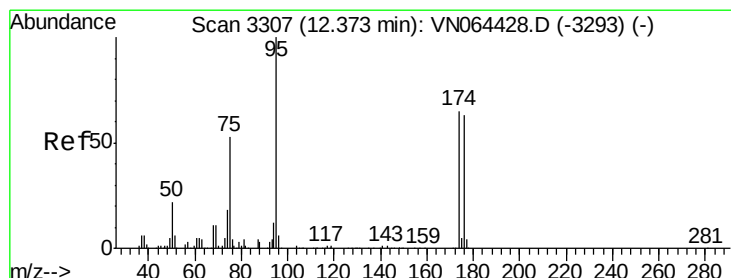
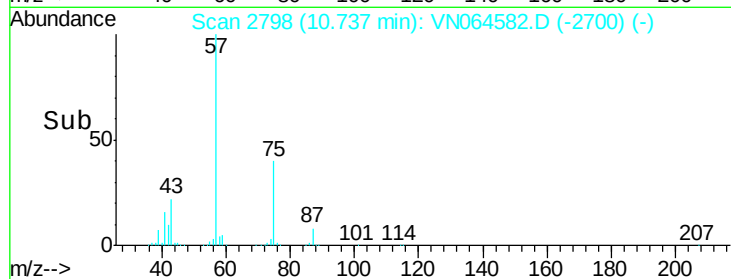
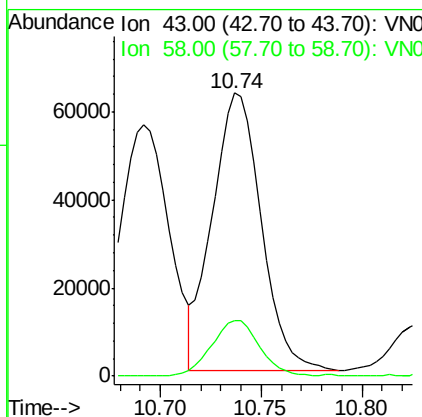
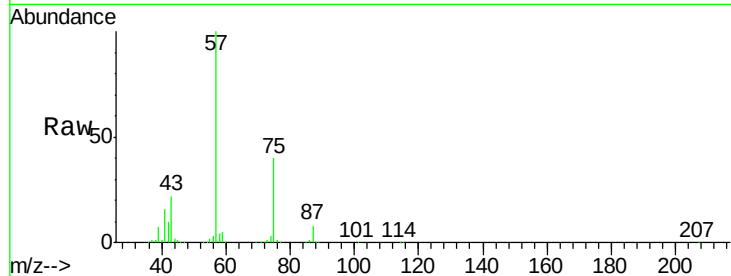




#59
2-Hexanone
Concen: 28.596 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

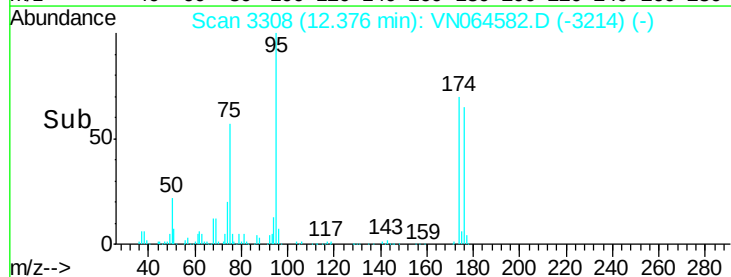
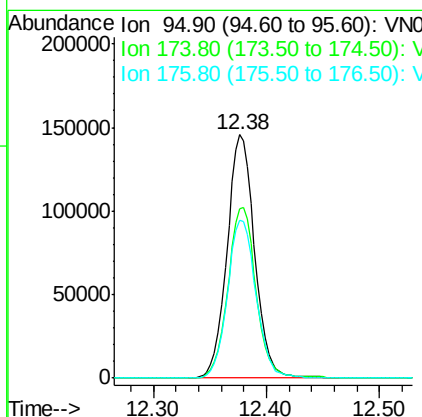
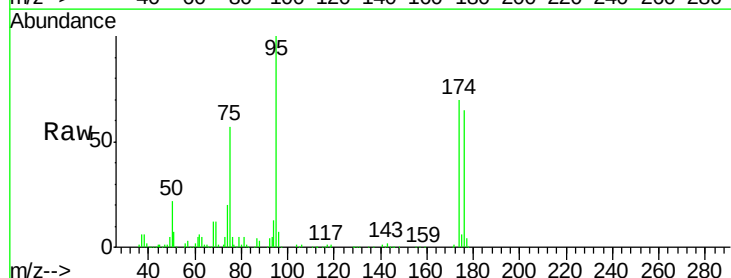
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-3-TOP

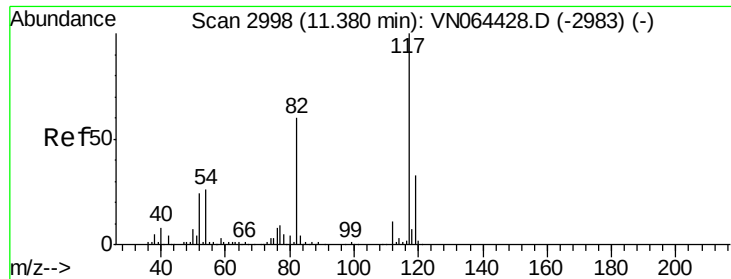
Tot Ion: 43 Resp: 106315
Ion Ratio Lower Upper
43 100
58 19.9 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.332 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Tgt Ion: 95 Resp: 246345
Ion Ratio Lower Upper
95 100
174 71.7 0.0 132.6
176 67.3 0.0 129.2

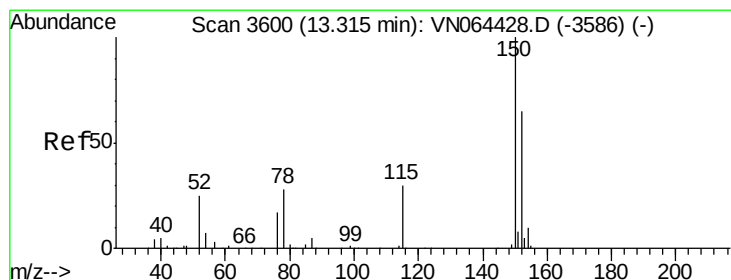
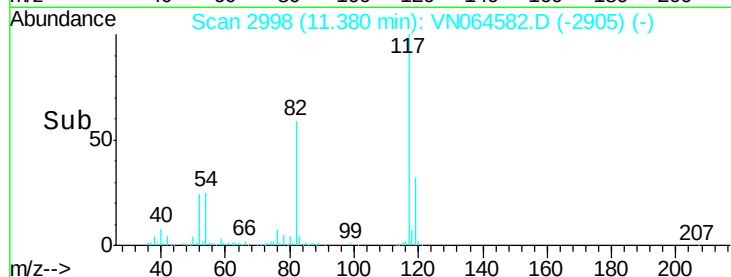
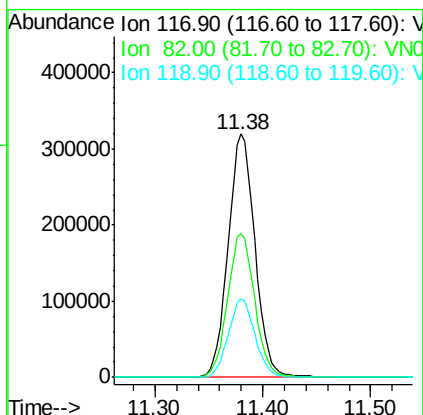
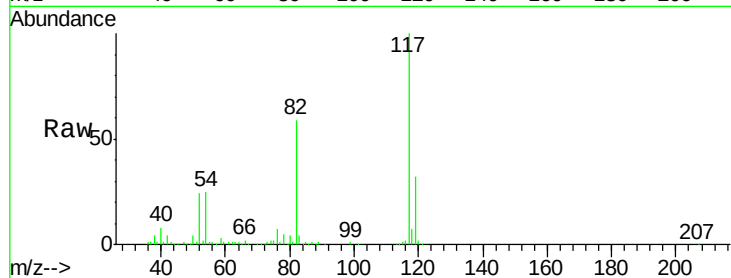




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

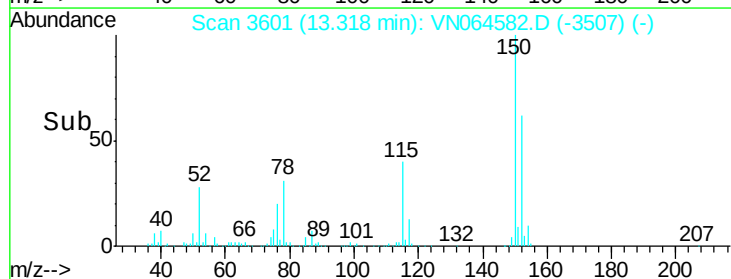
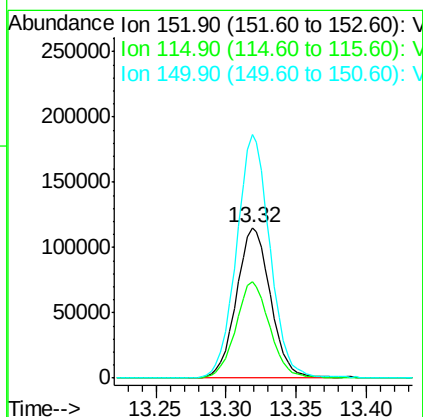
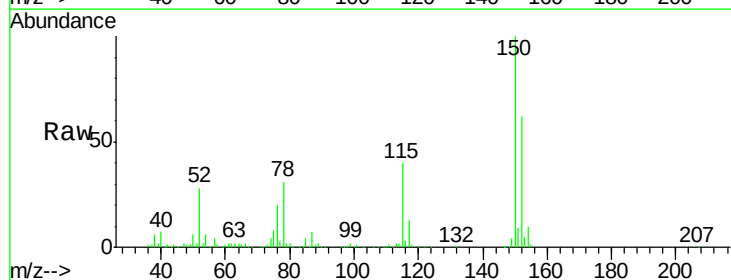
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-3-TOP

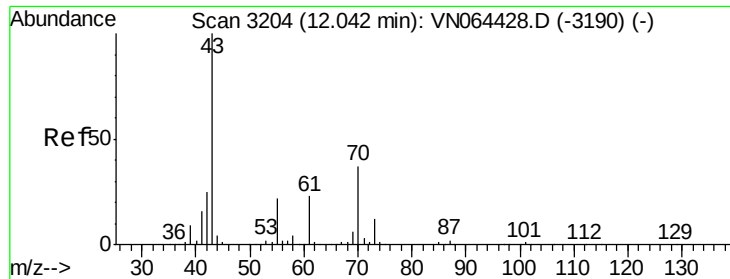
Tot Ion:117 Resp: 555500
Ion Ratio Lower Upper
117 100
82 59.3 48.1 72.1
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064582.D
Acq: 12 Nov 2020 15:36

Tgt Ion:152 Resp: 195347
Ion Ratio Lower Upper
152 100
115 64.0 32.0 96.0
150 159.3 0.0 353.8





#74

N-amvl acetate

Concen: 1.593 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-3-TOP

Tot Ion: 43 Resp: 2923

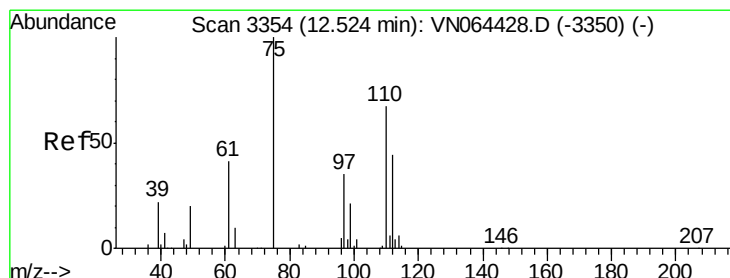
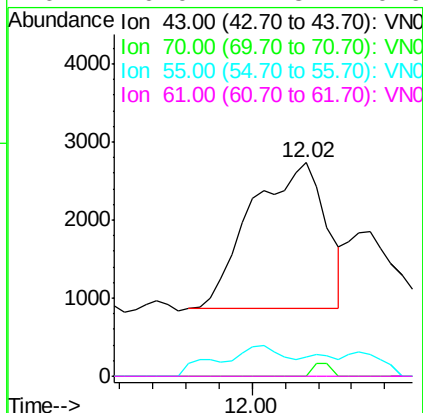
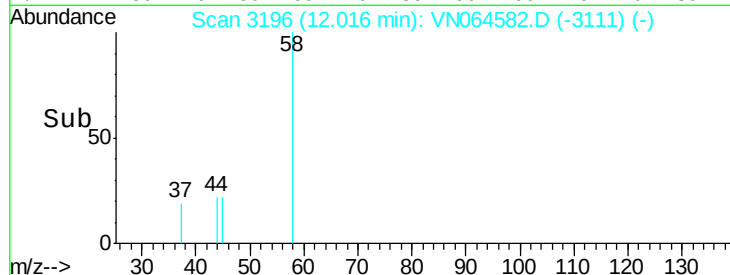
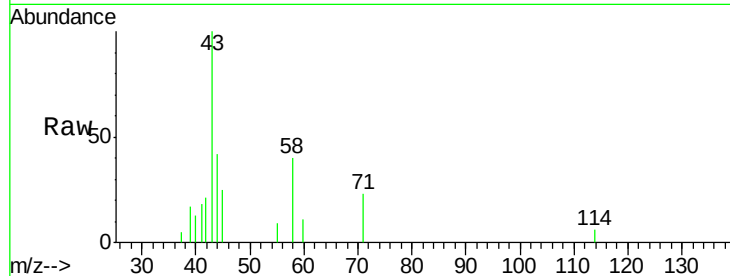
Ion Ratio Lower Upper

43 100

70 2.2 29.6 44.4#

55 8.1 18.4 27.6#

61 0.0 17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 29.842 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064582.D

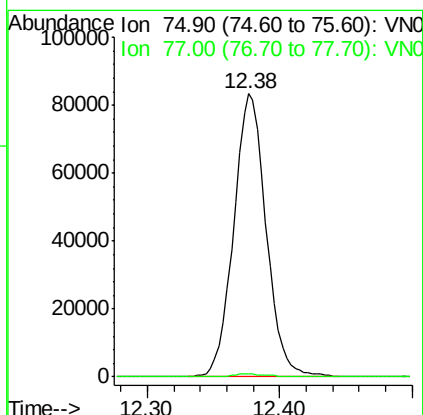
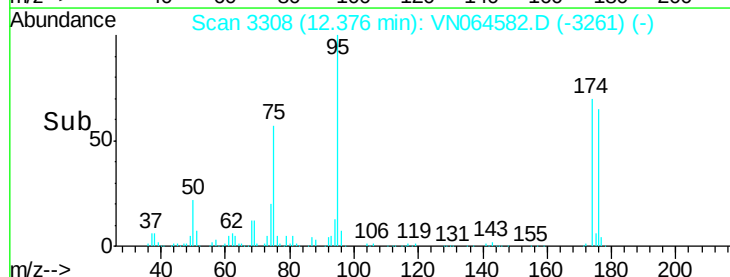
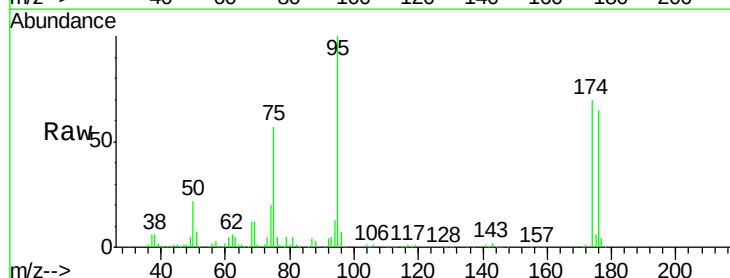
Acq: 12 Nov 2020 15:36

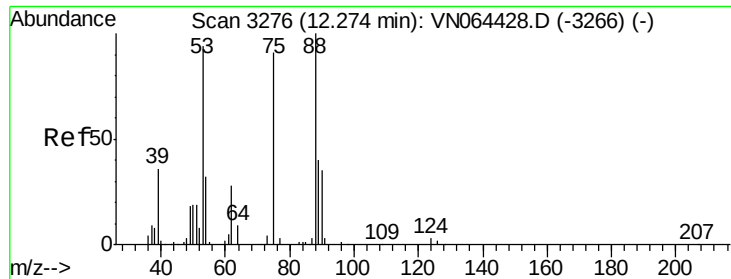
Tgt Ion: 75 Resp: 141246

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 83.323 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064582.D

Acq: 12 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-3-TOP

Tot Ion: 75 Resp: 141246

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#

