

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055248.D
 Acq On : 25 Apr 2019 16:00
 Operator : JC/SP
 Sample : K2541-01DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMPDL

Quant Time: Apr 26 02:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	374731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	620888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	251339	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.59	113	202488	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.09	98	769069	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	245695	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.41	74	544	0.236	ug/l #	1
11) Tert butyl alcohol	4.79	59	4222	14.258	ug/l #	77
13) Acrolein	3.62	56	178	9.895	ug/l #	57
16) Acetone	3.82	43	645136	384.757	ug/l	98
17) Carbon Disulfide	4.05	76	3708	0.344	ug/l #	90
18) Methyl Acetate	4.33	43	163276	45.209	ug/l	96
25) 2-Butanone	6.84	43	240995	111.328	ug/l	100
29) Tetrahydrofuran	7.22	42	314	0.236	ug/l #	54
31) Cyclohexane	7.67	56	8244	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	27656	4.799	ug/l #	51
37) Ethyl Acetate	6.84	43	240995	51.818	ug/l #	72
38) Carbon Tetrachloride	7.67	117	36808	6.821	ug/l #	16
40) Benzene	8.04	78	65931	3.706	ug/l	99
41) Methacrylonitrile	7.20	41	1778	0.729	ug/l #	42
43) Isopropyl Acetate	8.21	43	15945	2.117	ug/l #	58
48) Methyl methacrylate	9.19	41	2001	0.548	ug/l #	24
49) 1,4-Dioxane	9.21	88	330	7.822	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	13616	3.142	ug/l	95
52) Toluene	10.16	92	36177	3.469	ug/l	98
56) Ethyl methacrylate	10.36	69	2472	0.516	ug/l #	71
58) 2-Chloroethyl Vinyl ether	9.71	63	109	11.338	ug/l #	51
59) 2-Hexanone	10.76	43	2819	1.030	ug/l	92
67) Ethyl Benzene	11.51	91	7016	0.338	ug/l	91
68) m/p-Xylenes	11.62	106	14505	1.949	ug/l	96
69) o-Xylene	11.95	106	5172	0.700	ug/l	92
70) Styrene	11.96	104	7088	0.619	ug/l	94
71) Bromoform	12.40	173	2079	0.807	ug/l #	1
73) Isopropylbenzene	12.25	105	858	Below Cal		75
75) 1,1,2,2-Tetrachloroethane	12.36	83	3966	Below Cal	#	33
76) 1,2,3-Trichloropropane	12.40	75	126235	34.638	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3732	0.278	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	126235	131.307	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	12275	0.967	ug/l	87
86) p-Isopropyltoluene	13.29	119	159252	12.706	ug/l	99

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QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

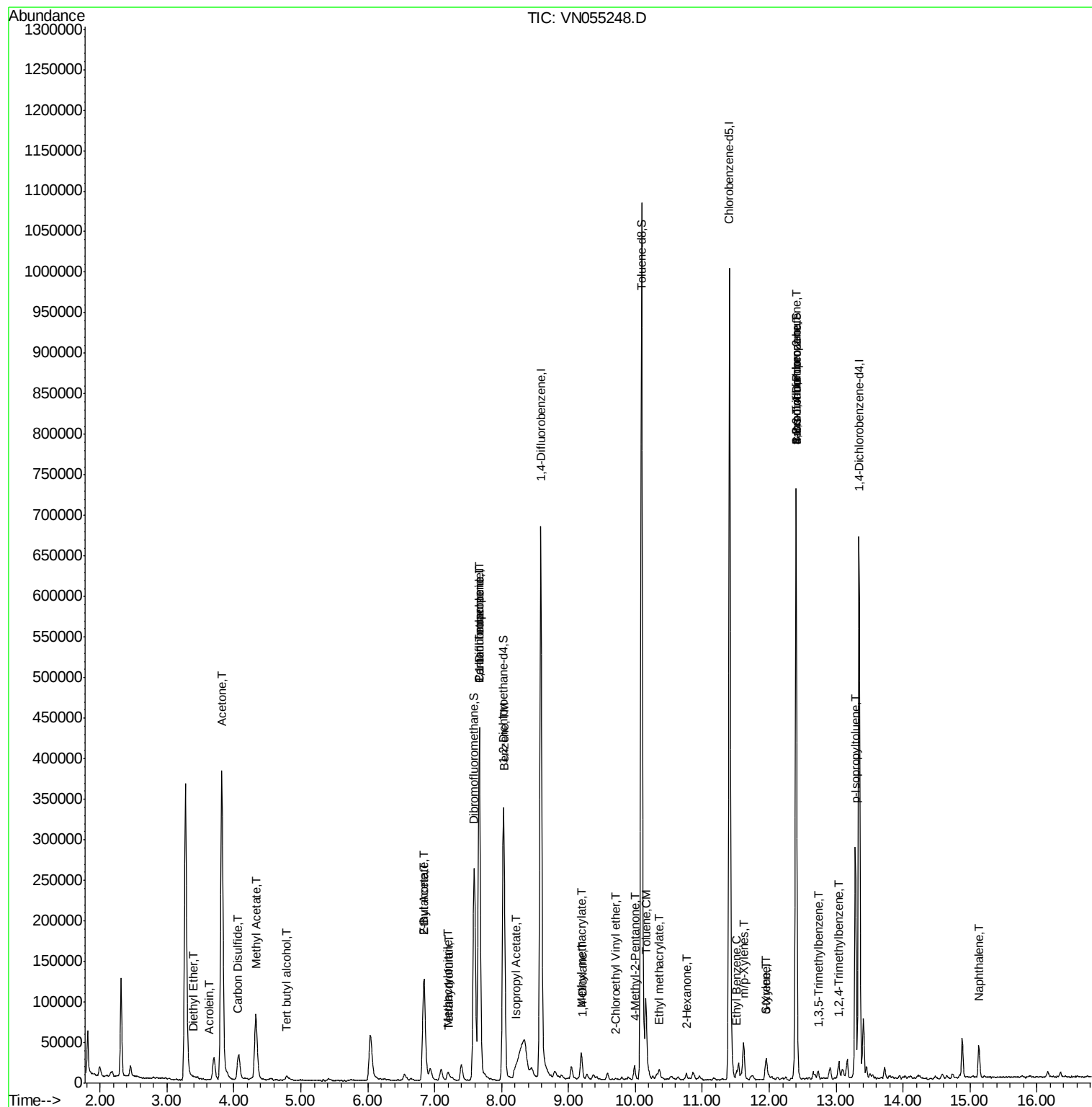
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	32396	8.620	ug/l	97

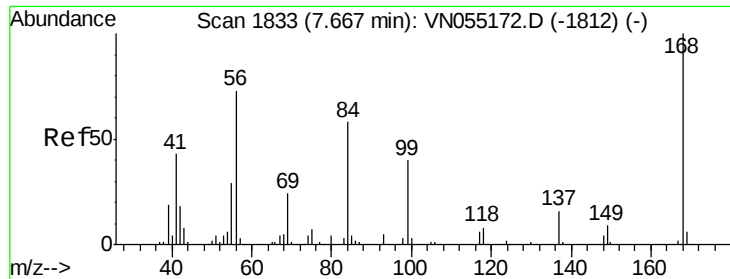
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

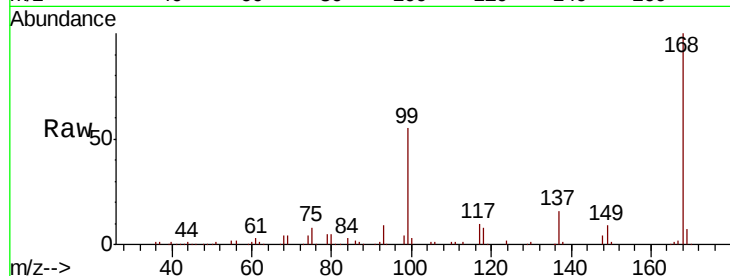
DRUM-COMPD

Tot Ion:168 Resp: 374731

Ion Ratio Lower Upper

168 100

99 54.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1812) (-)

7.67

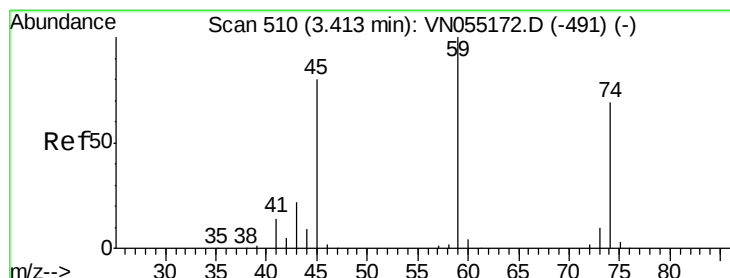
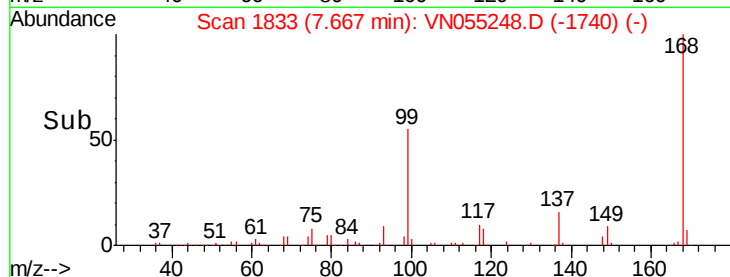
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.236 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN055248.D

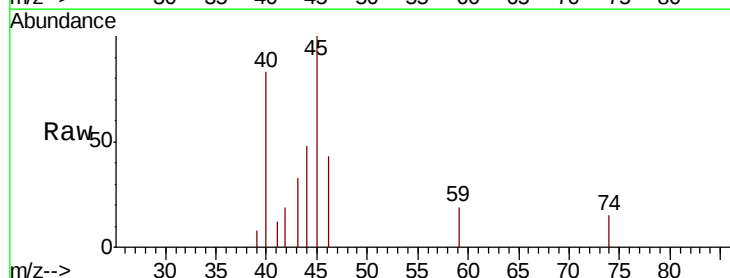
Acq: 25 Apr 2019 16:00

Tgt Ion: 74 Resp: 544

Ion Ratio Lower Upper

74 100

45 0.0 56.9 170.6#



Abundance Ion 74.00 (73.70 to 74.70): VN055172.D (-491) (-)

Ion 45.00 (44.70 to 45.70): VN055172.D (-491) (-)

4000

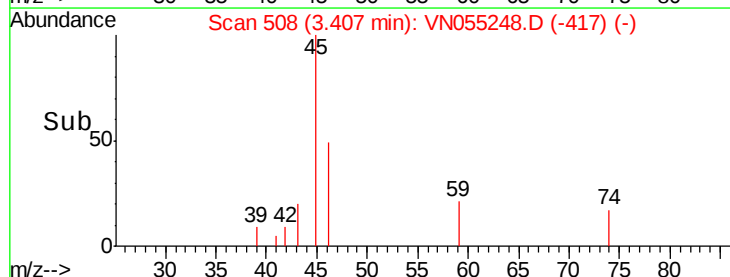
3000

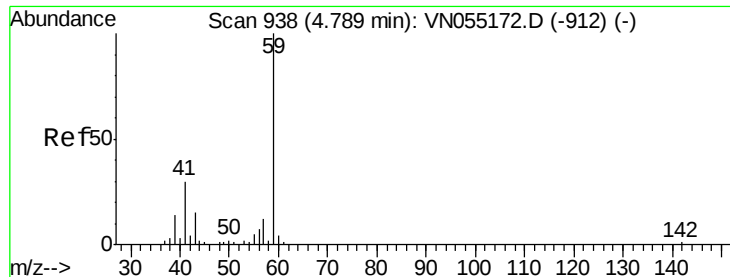
2000

1000

0

Time--> 3.38 3.40 3.42 3.44

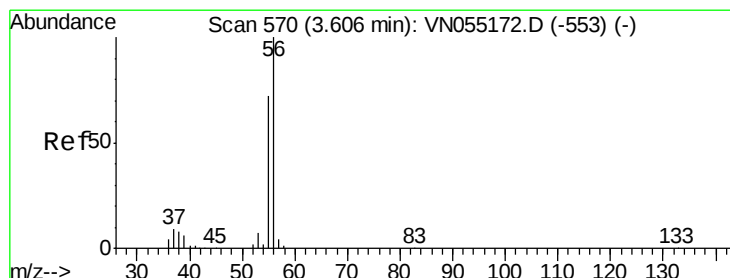
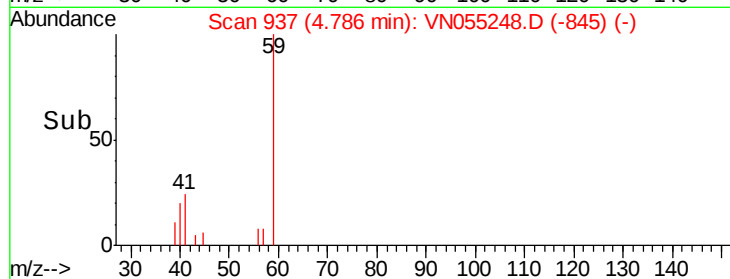
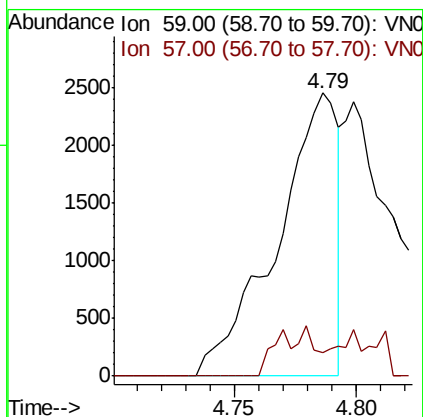
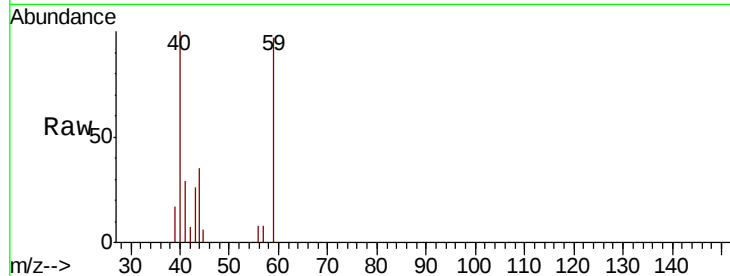




#11
Tert butyl alcohol
Concen: 14.258 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

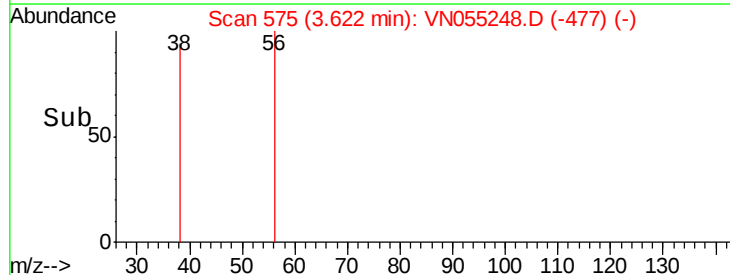
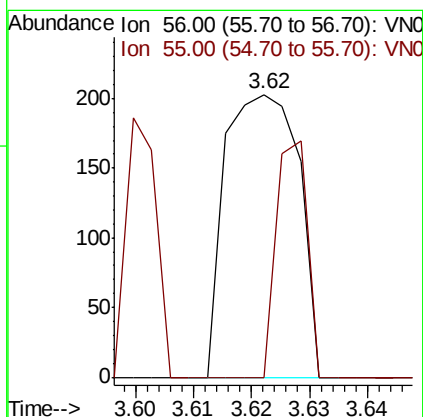
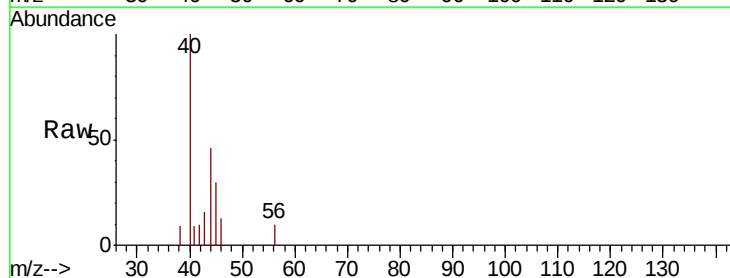
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMPDL

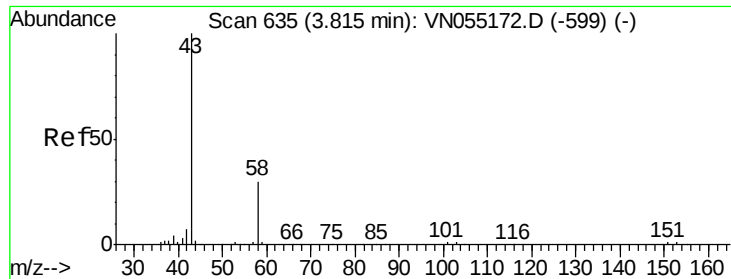
Tot Ion: 59 Resp: 4222
Ion Ratio Lower Upper
59 100
57 2.2 8.8 13.2#



#13
Acrolein
Concen: 9.895 ug/l
RT: 3.62 min Scan# 575
Delta R.T. 0.02 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 36.0 57.4 86.0#





#16

Acetone

Concen: 384.757 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

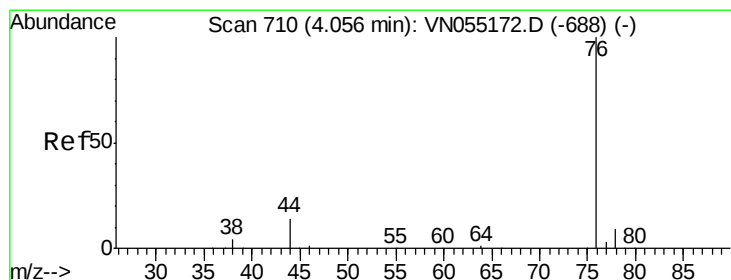
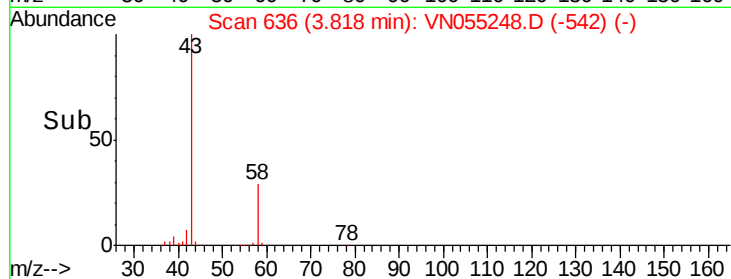
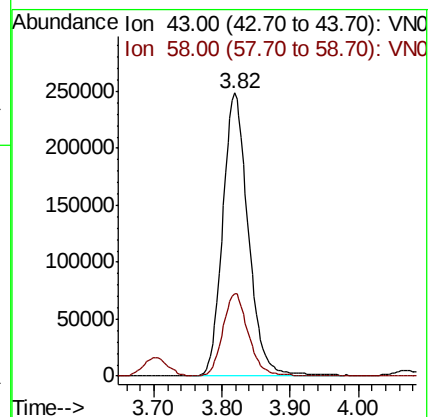
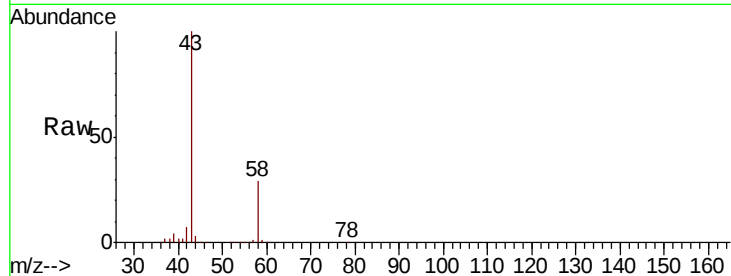
DRUM-COMPD

Tot Ion: 43 Resp: 645136

Ion Ratio Lower Upper

43 100

58 29.0 23.8 35.8



#17

Carbon Disulfide

Concen: 0.344 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN055248.D

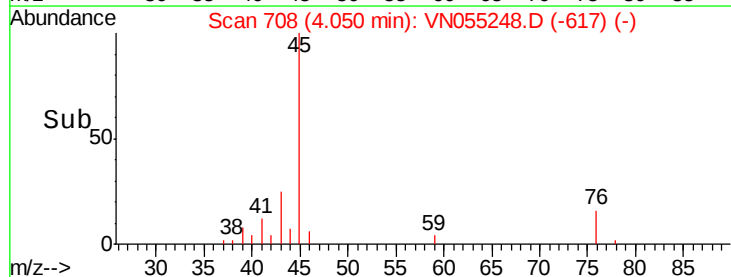
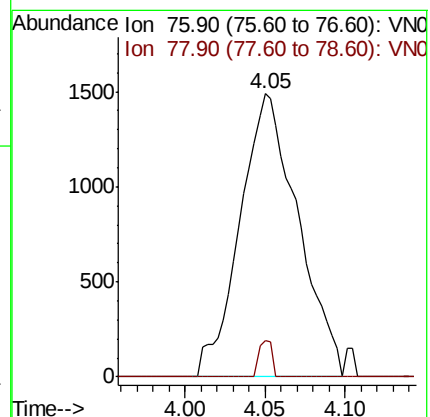
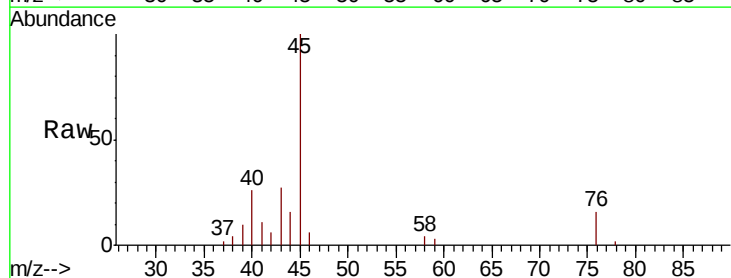
Acq: 25 Apr 2019 16:00

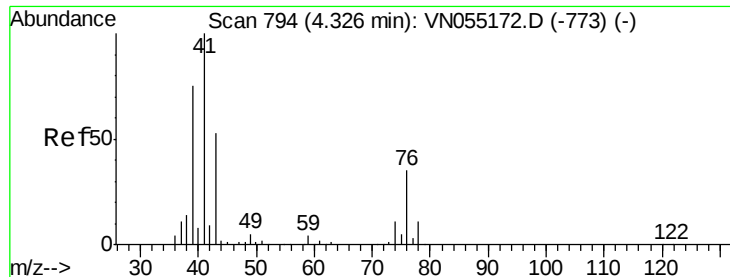
Tgt Ion: 76 Resp: 3708

Ion Ratio Lower Upper

76 100

78 12.6 7.3 10.9#

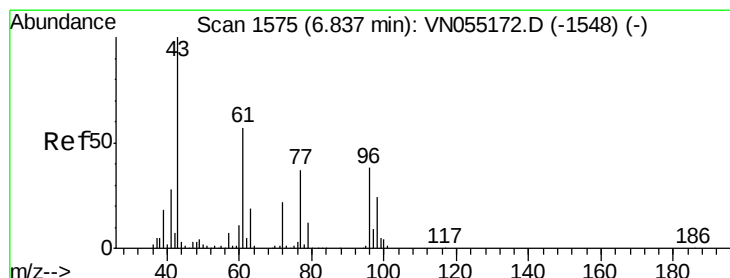
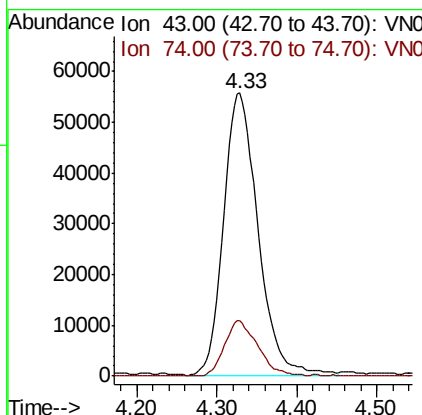
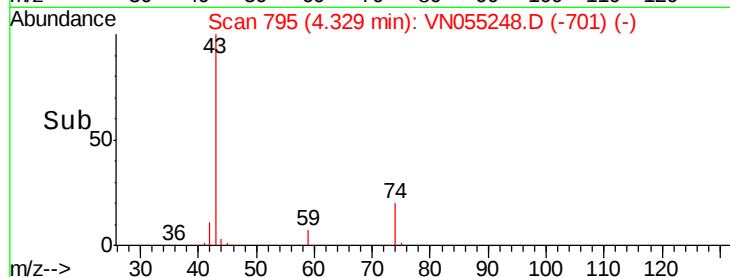
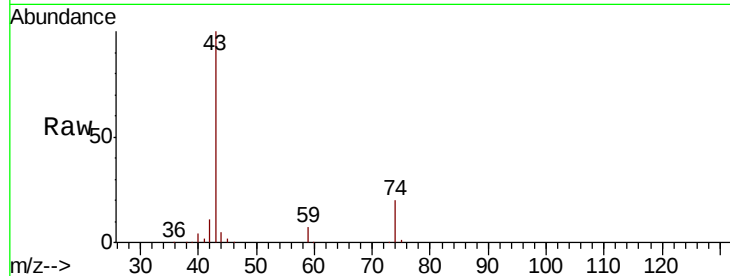




#18
Methvl Acetate
Concen: 45.209 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

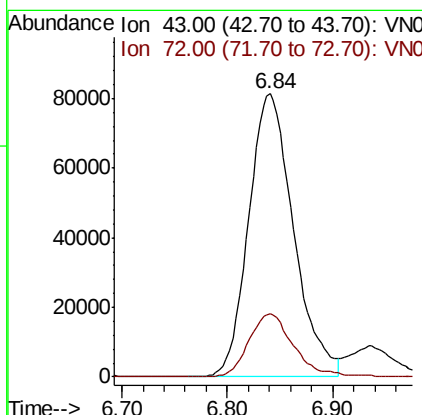
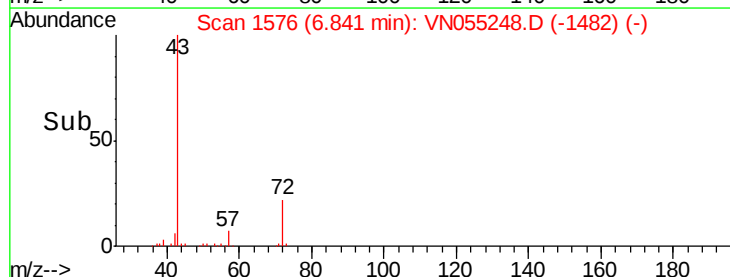
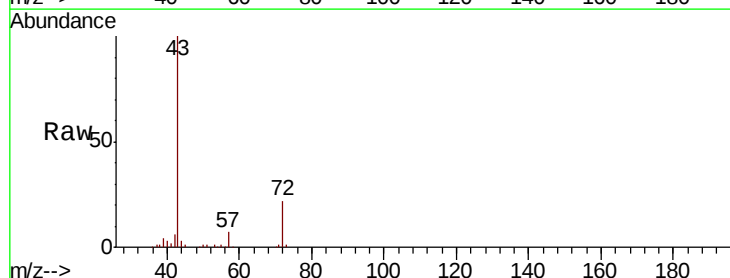
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMPD

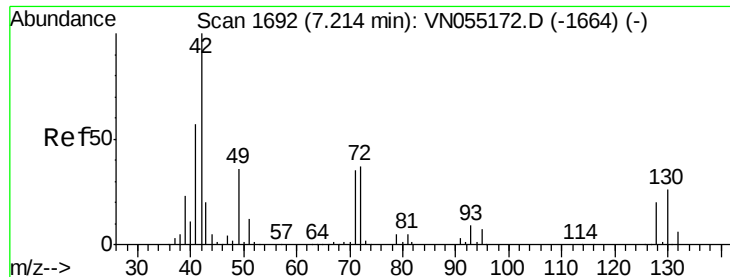
Tot Ion: 43 Resp: 163276
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1



#25
2-Butanone
Concen: 111.328 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Tgt Ion: 43 Resp: 240995
Ion Ratio Lower Upper
43 100
72 22.2 17.8 26.8





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPDL

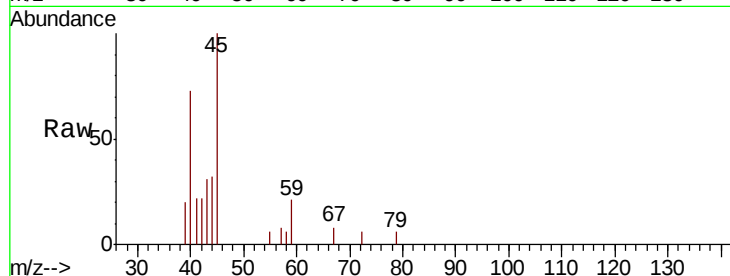
Tot Ion: 42 Resp: 314

Ion Ratio Lower Upper

42 100

72 65.0 29.4 44.2#

71 9.6 27.8 41.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.22

600

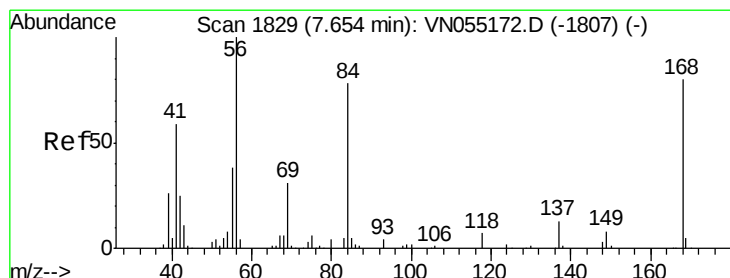
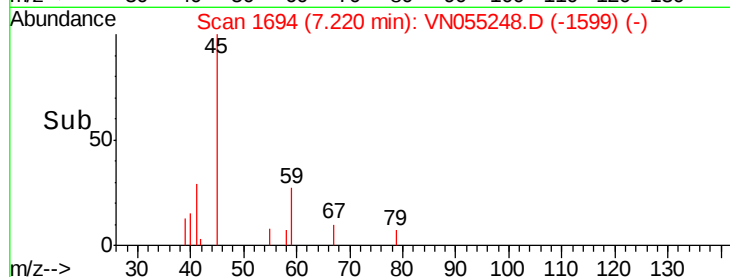
400

200

0

7.20 7.22 7.24

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

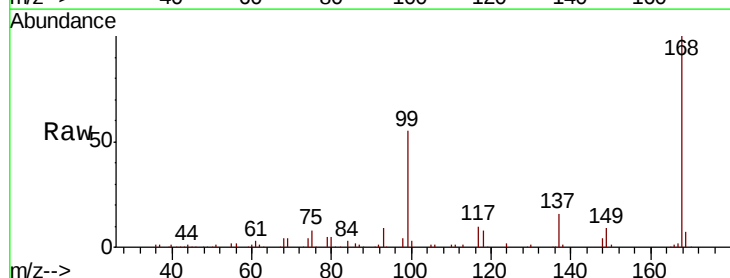
Tgt Ion: 56 Resp: 8244

Ion Ratio Lower Upper

56 100

69 163.6 24.6 37.0#

84 136.2 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

7.67

6000

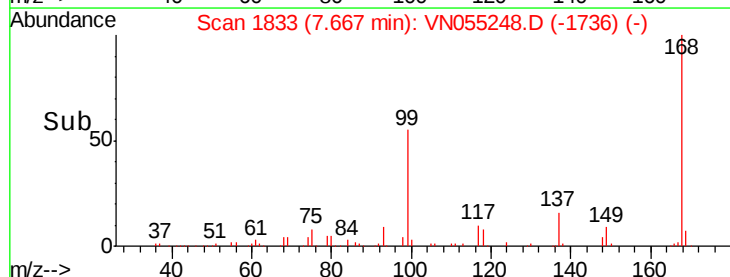
4000

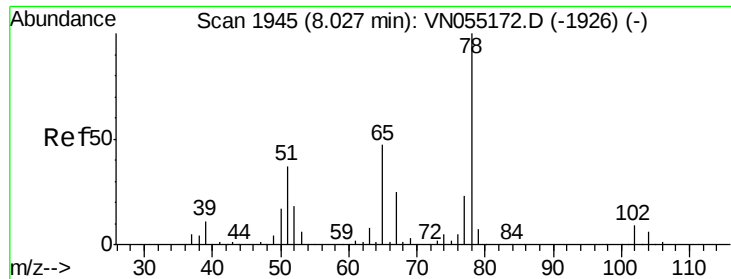
2000

0

7.60 7.65 7.70 7.75

Time-->

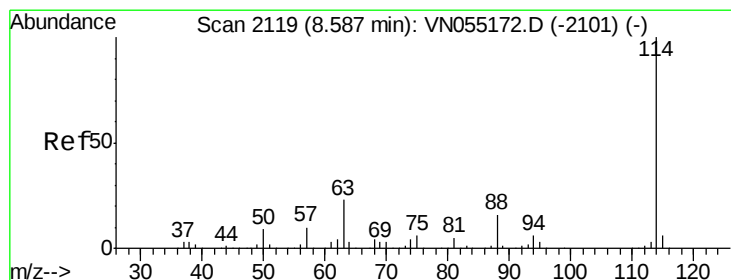
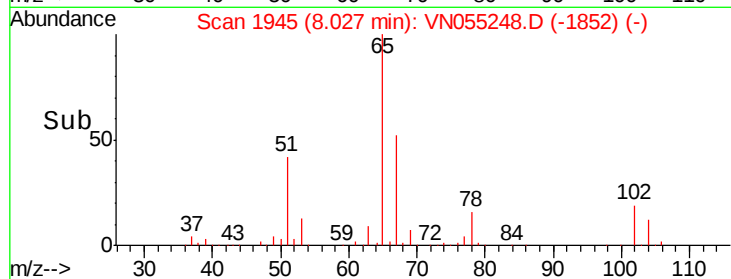
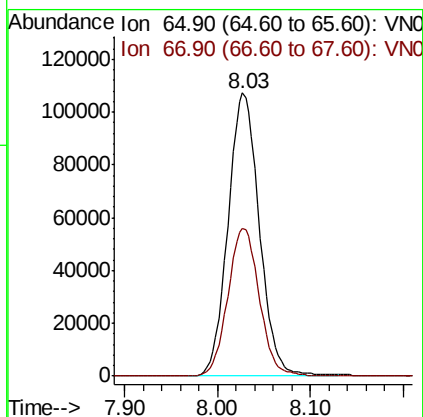
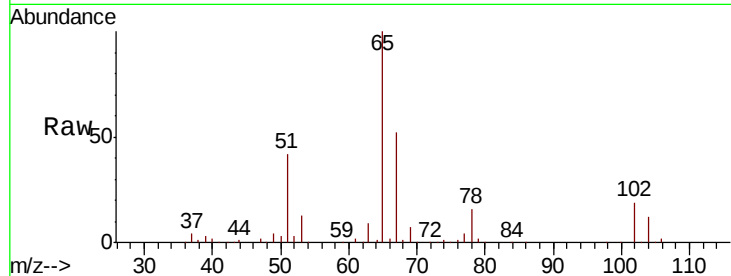




#33
 1,2-Dichloroethane-d4
 Concen: 49.553 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055248.D
 Acq: 25 Apr 2019 16:00

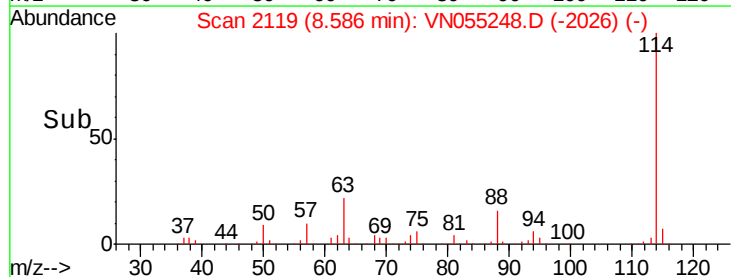
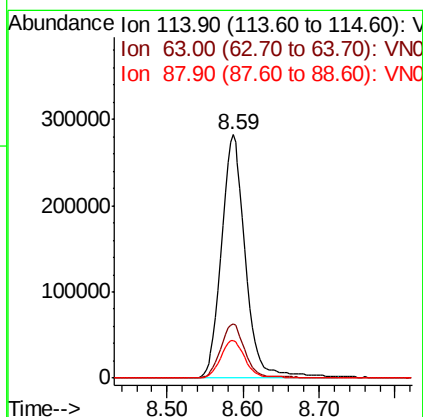
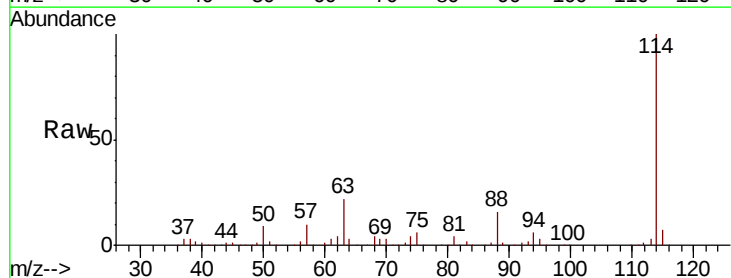
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMPD

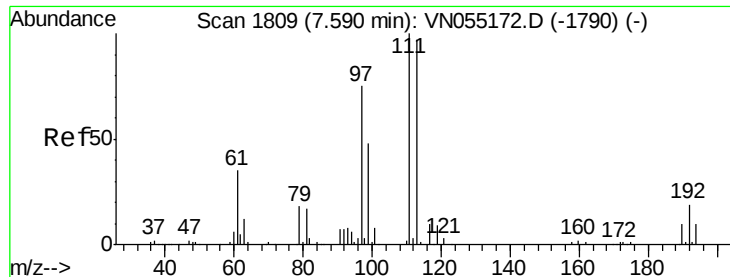
Tot Ion: 65 Resp: 251339
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055248.D
 Acq: 25 Apr 2019 16:00

Tgt Ion: 114 Resp: 620888
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 15.6 0.0 32.8

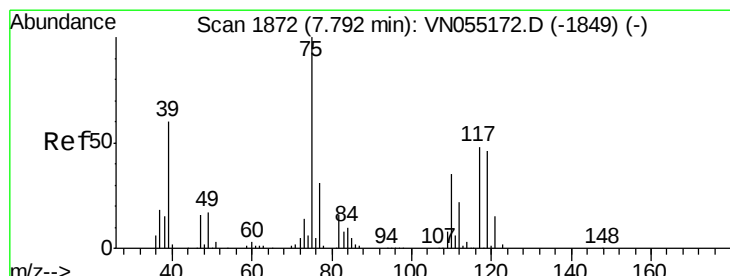
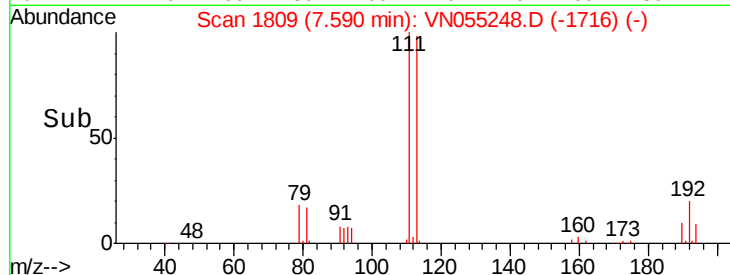
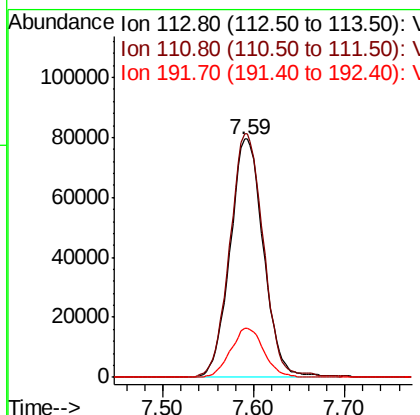
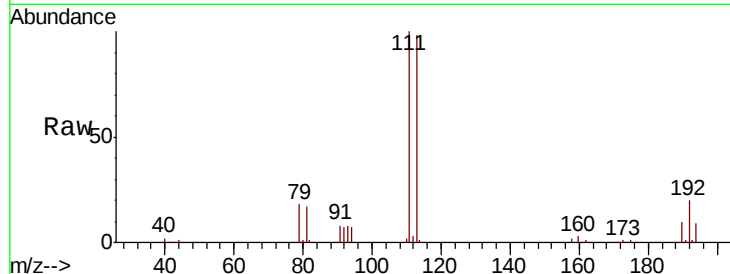




#35
 Dibromofluoromethane
 Concen: 48.006 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055248.D
 Acq: 25 Apr 2019 16:00

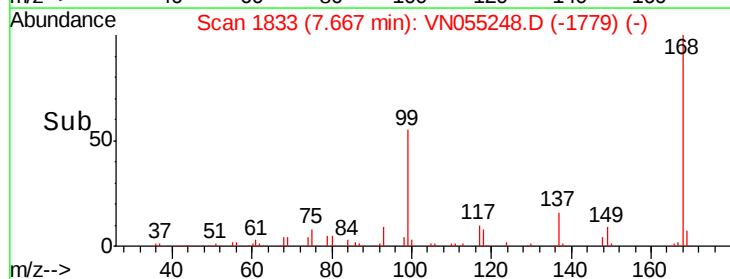
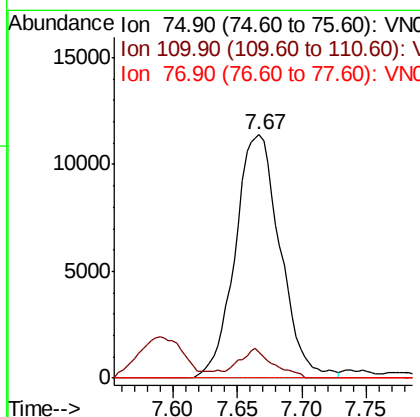
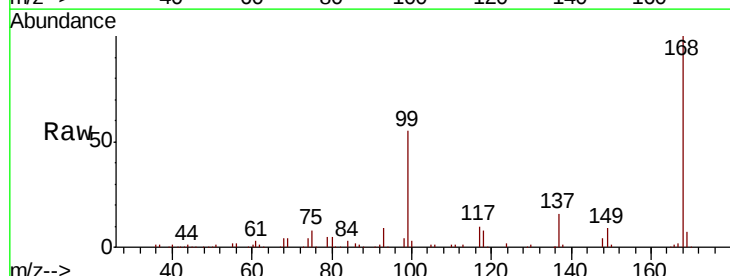
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMPD

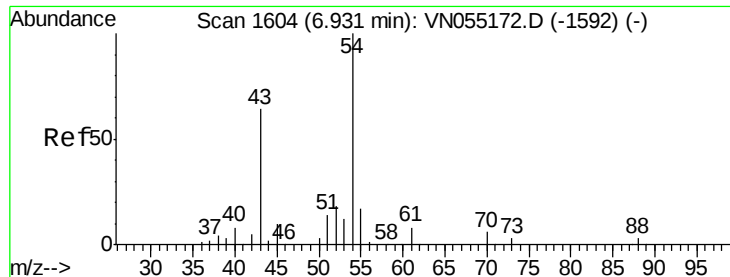
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.0	121.4
192	20.5	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055248.D
 Acq: 25 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.1	51.2#
77	0.0	24.6	36.8#

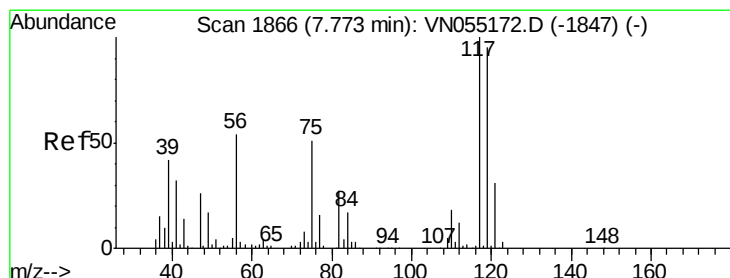
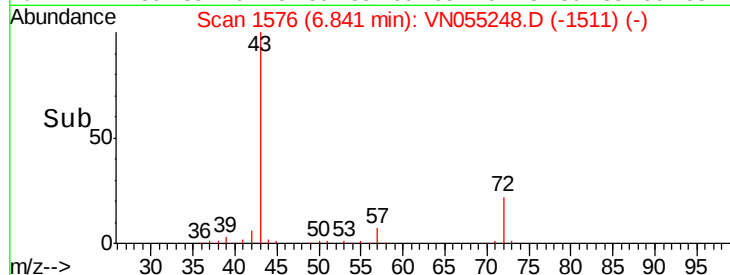
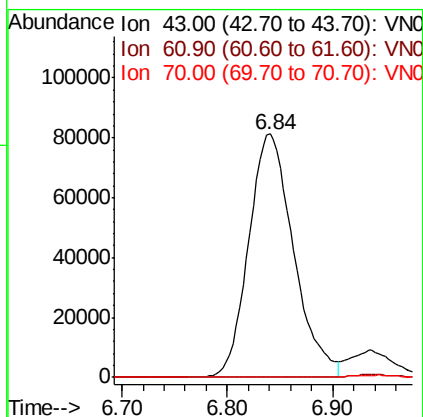
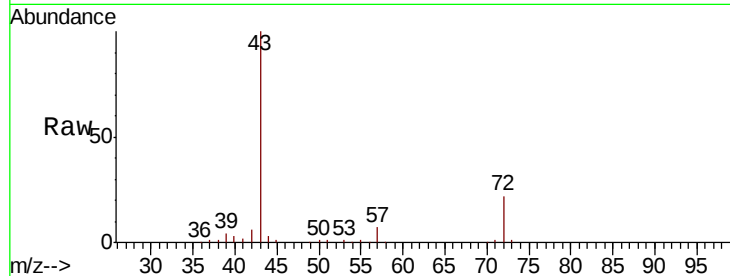




#37
Ethyl Acetate
Concen: 51.818 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.09 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

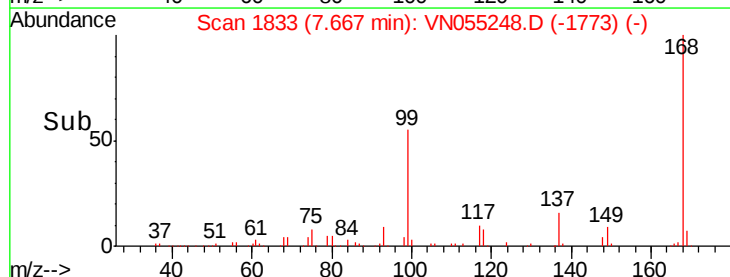
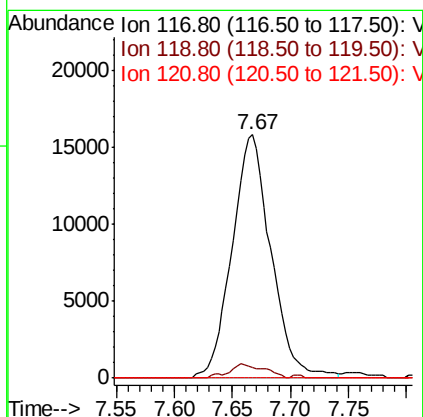
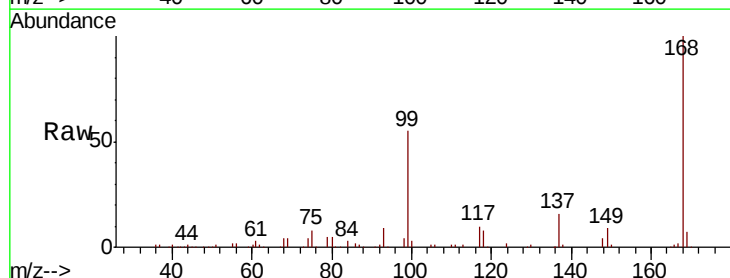
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMPDL

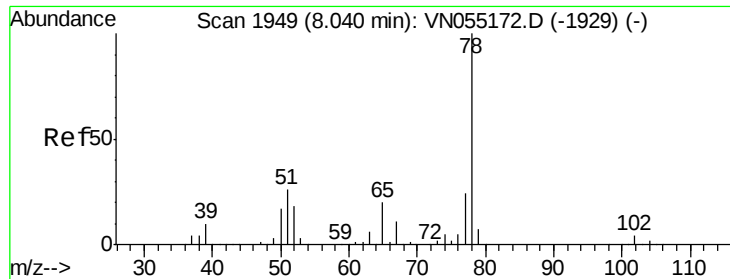
Tot Ion: 43 Resp: 240995
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.1 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.821 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Tgt Ion: 117 Resp: 36808
Ion Ratio Lower Upper
117 100
119 4.2 76.0 114.0#
121 0.0 24.6 36.8#





#40

Benzene

Concen: 3.706 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

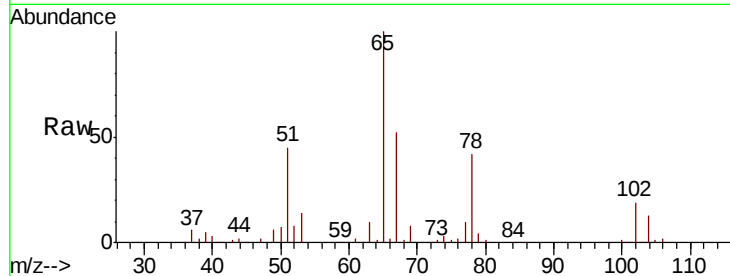
DRUM-COMPD

Tot Ion: 78 Resp: 65931

Ion Ratio Lower Upper

78 100

77 25.0 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

30000

25000

20000

15000

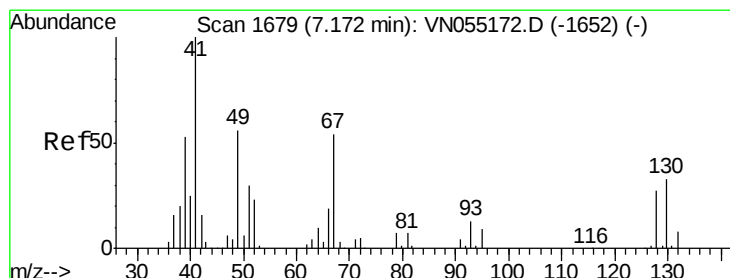
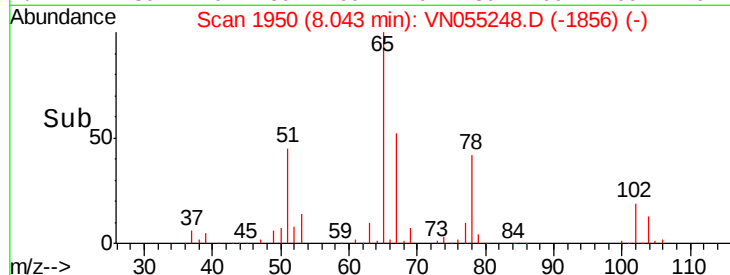
10000

5000

0

Time-->

7.95 8.00 8.05 8.10 8.15



#41

Methacrylonitrile

Concen: 0.729 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Tgt Ion: 41 Resp: 1778

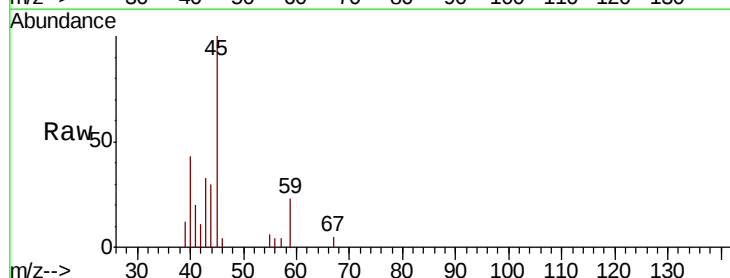
Ion Ratio Lower Upper

41 100

39 34.9 45.4 68.0#

67 0.0 54.6 81.8#

52 0.0 22.8 34.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2000

1500

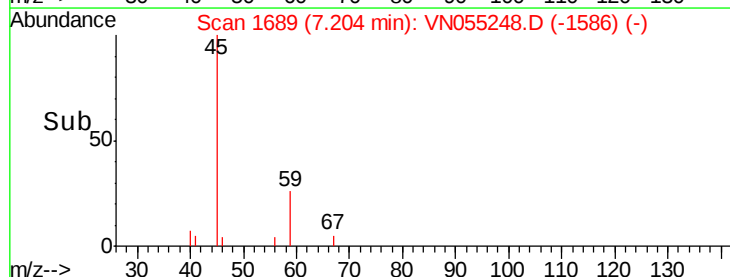
1000

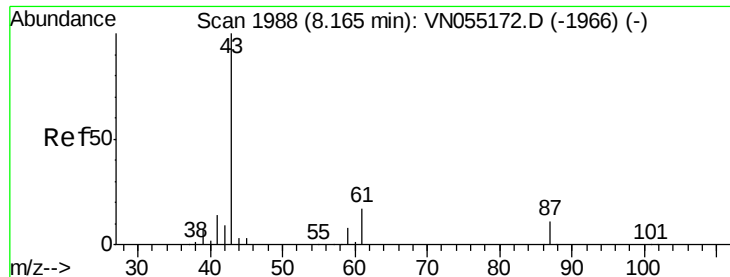
500

0

Time-->

7.15 7.20 7.25





#43

Isopropyl Acetate

Concen: 2.117 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.05 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPDL

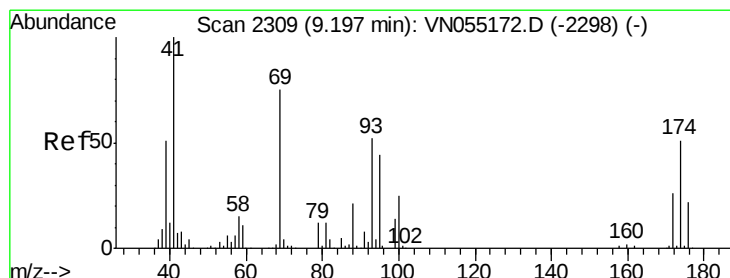
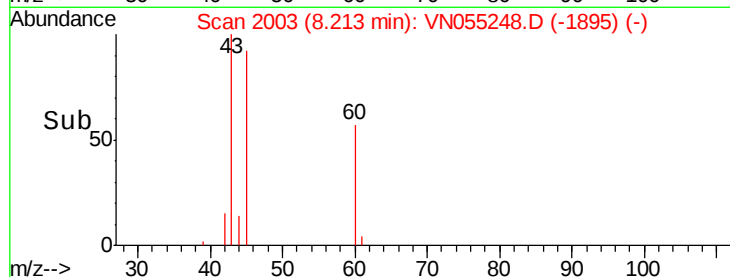
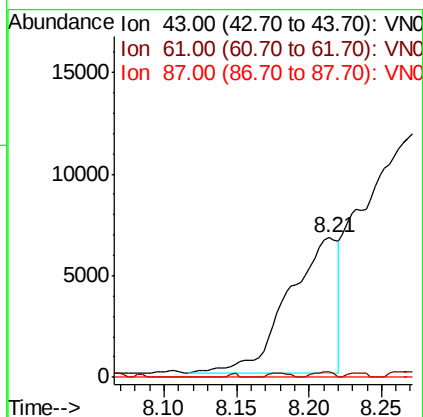
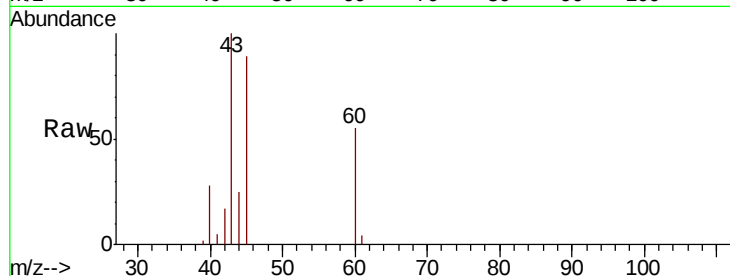
Tot Ion: 43 Resp: 15945

Ion Ratio Lower Upper

43 100

61 1.5 20.6 30.8#

87 0.0 8.8 13.2#



#48

Methyl methacrylate

Concen: 0.548 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

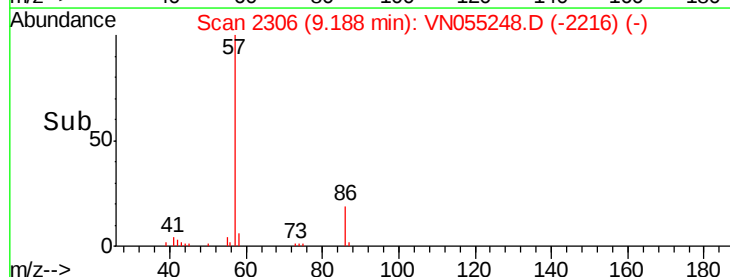
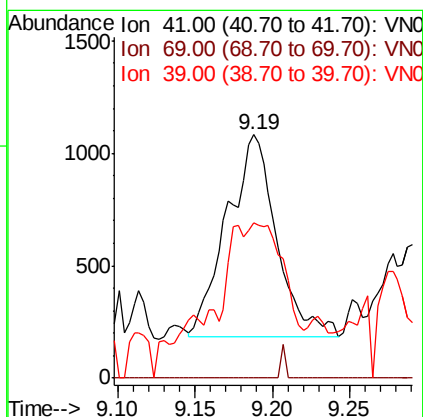
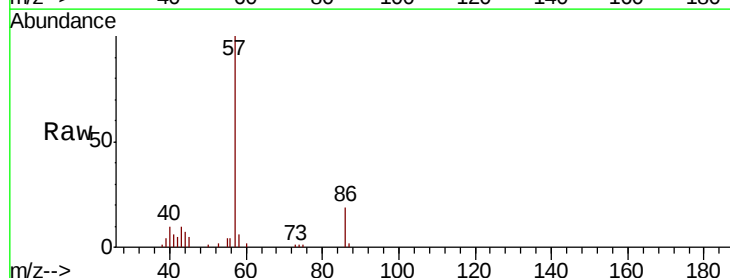
Tgt Ion: 41 Resp: 2001

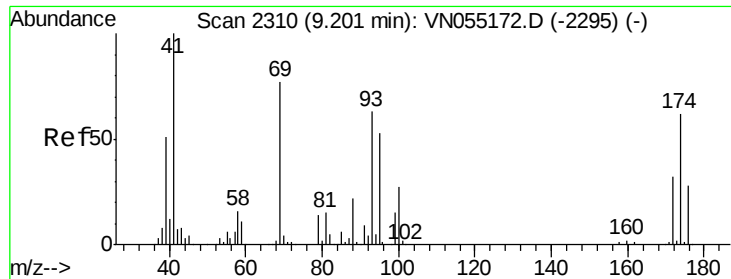
Ion Ratio Lower Upper

41 100

69 0.0 63.6 95.4#

39 14.8 43.8 65.8#





#49

1,4-Dioxane

Concen: 7.822 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPD

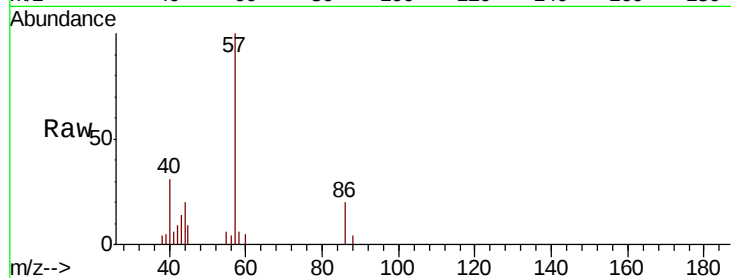
Tot Ion: 88 Resp: 330

Ion Ratio Lower Upper

88 100

43 0.0 32.0 48.0#

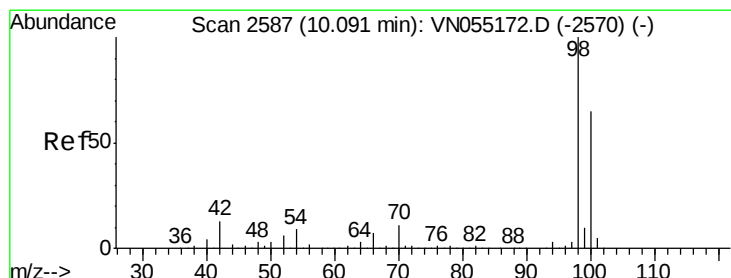
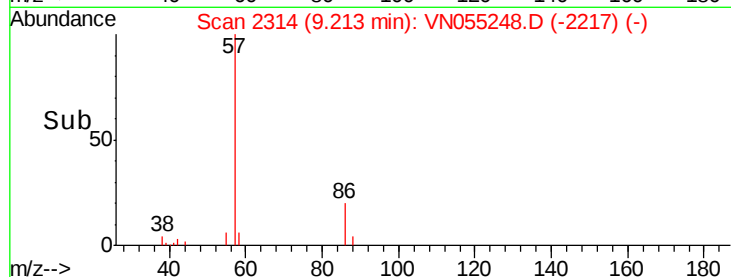
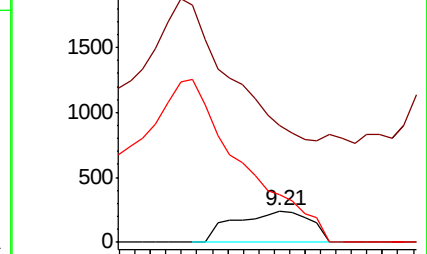
58 0.0 60.4 90.6#



Abundance Ion 88.00 (87.70 to 88.70): VN055172.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055172.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2295) (-)



#50

Toluene-d8

Concen: 49.210 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055248.D

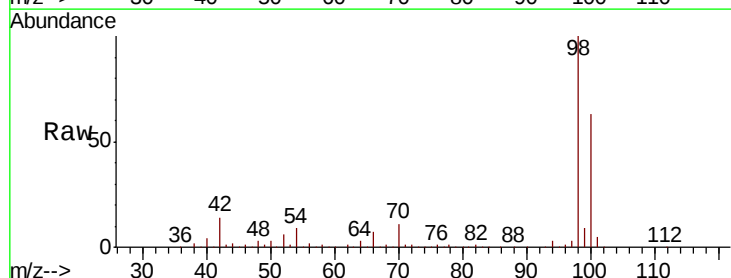
Acq: 25 Apr 2019 16:00

Tgt Ion: 98 Resp: 769069

Ion Ratio Lower Upper

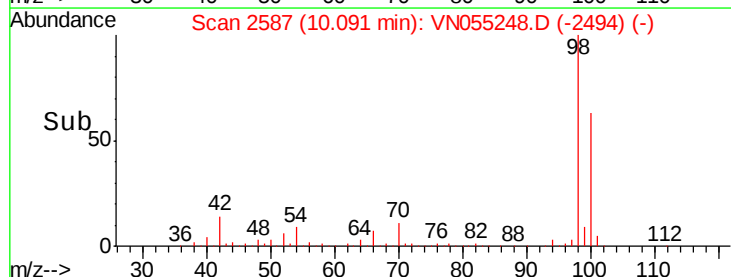
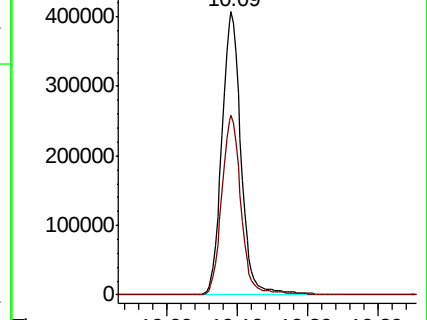
98 100

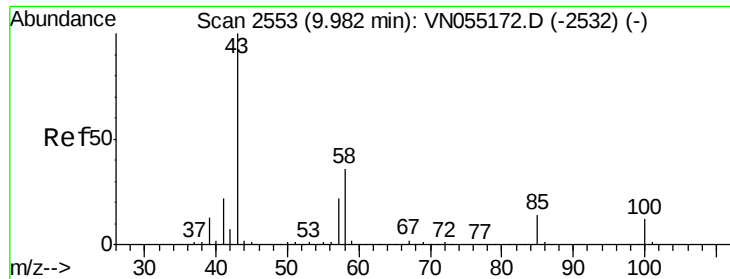
100 63.9 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 3.142 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

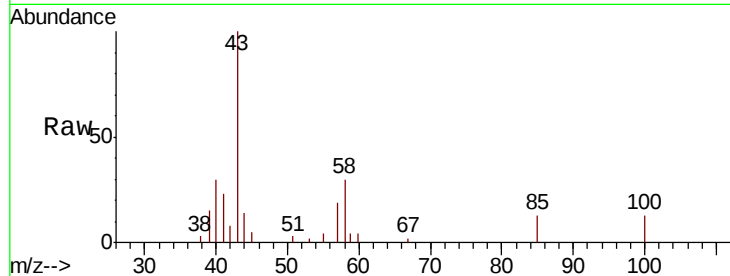
DRUM-COMPDL

Tot Ion: 43 Resp: 13616

Ion Ratio Lower Upper

43 100

58 32.3 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)

9.99

8000

6000

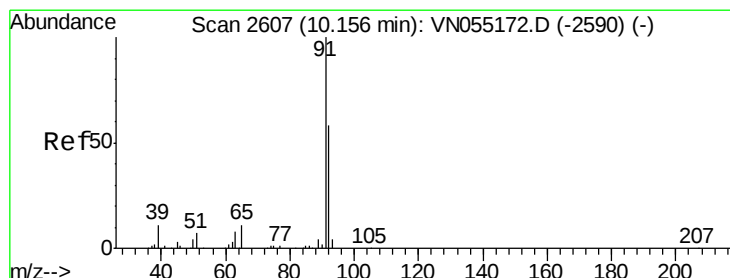
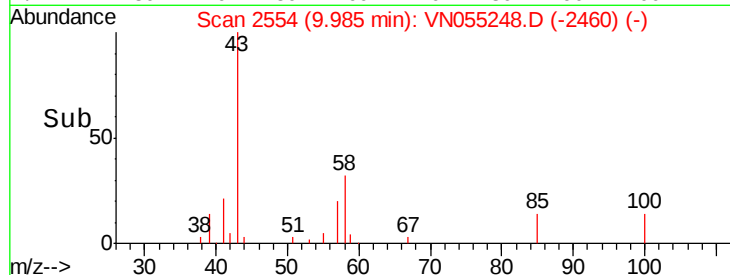
4000

2000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 3.469 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055248.D

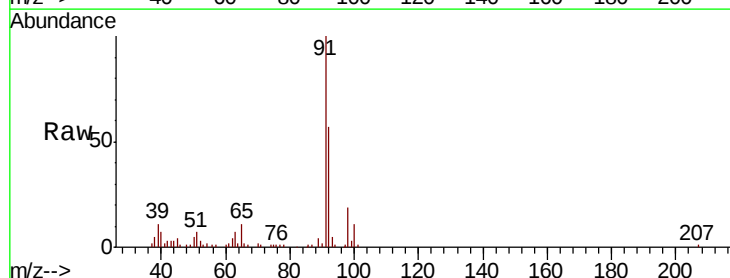
Acq: 25 Apr 2019 16:00

Tgt Ion: 92 Resp: 36177

Ion Ratio Lower Upper

92 100

91 175.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN055172.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055172.D (-2590) (-)

40000

30000

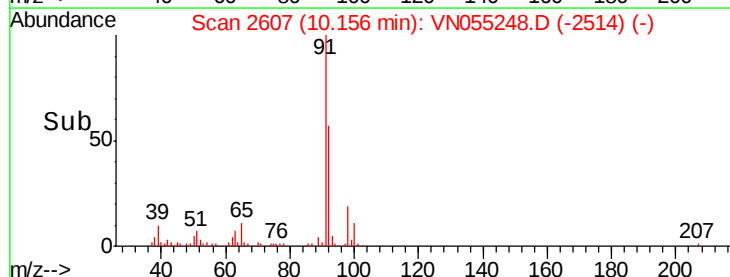
20000

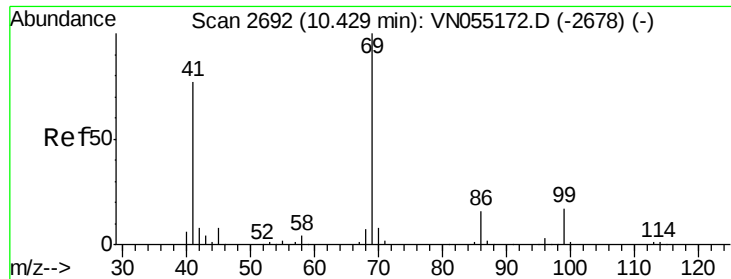
10000

0

Time-->

10.10 10.15 10.20





#56

Ethyl methacrylate

Concen: 0.516 ug/l

RT: 10.36 min Scan# 2672

Delta R.T. -0.06 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPDL

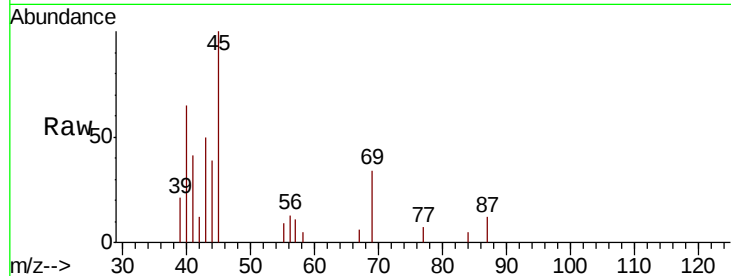
Tot Ion: 69 Resp: 2472

Ion Ratio Lower Upper

69 100

41 98.4 60.6 90.8#

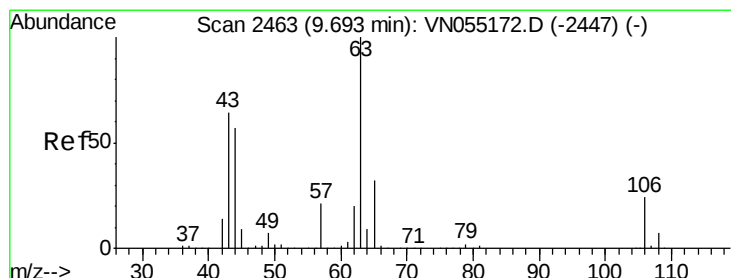
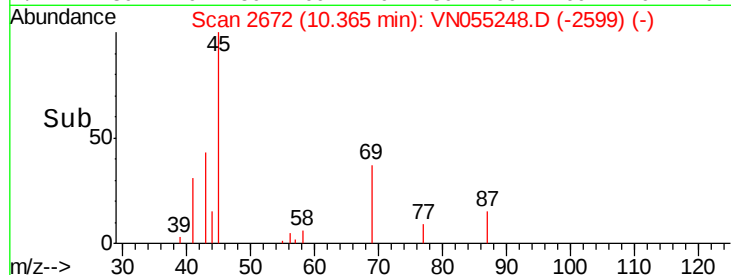
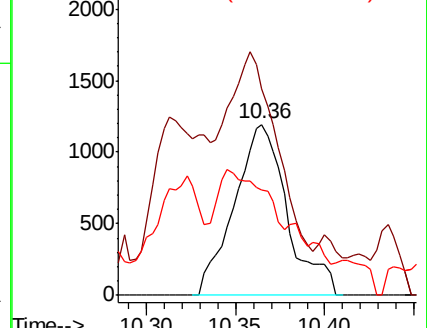
39 60.4 31.7 47.5#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 11.338 ug/l

RT: 9.71 min Scan# 2467

Delta R.T. 0.01 min

Lab File: VN055248.D

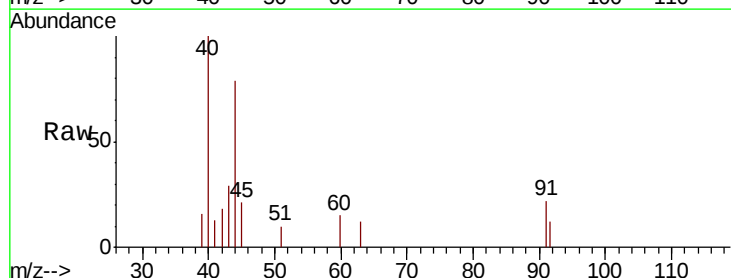
Acq: 25 Apr 2019 16:00

Tgt Ion: 63 Resp: 109

Ion Ratio Lower Upper

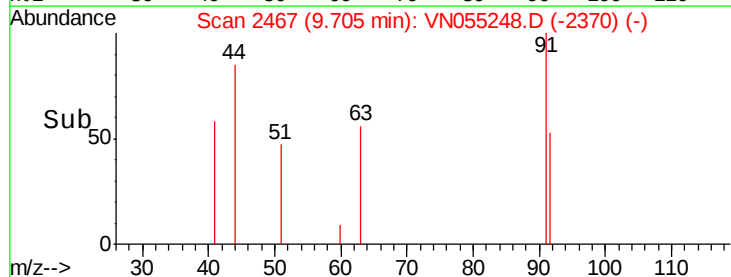
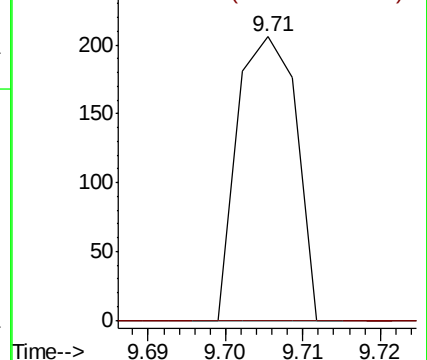
63 100

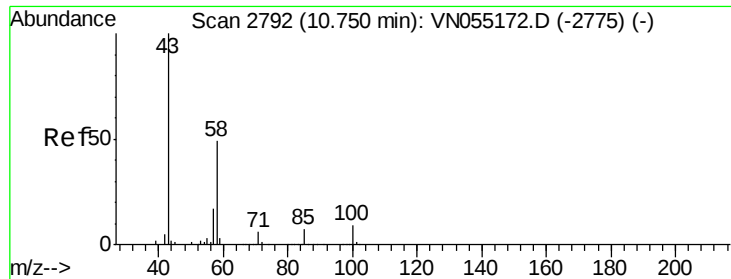
106 0.0 19.4 29.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

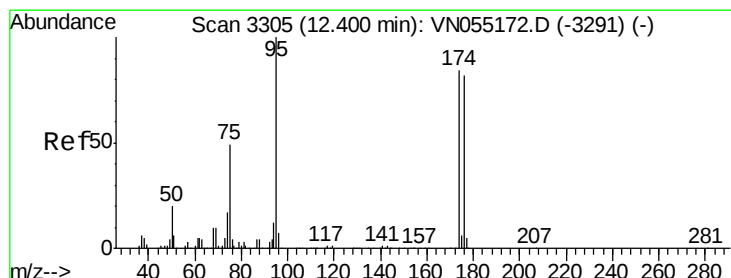
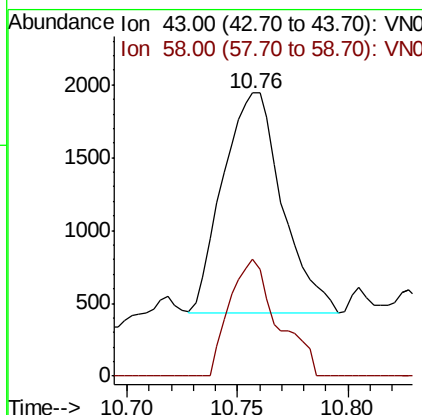
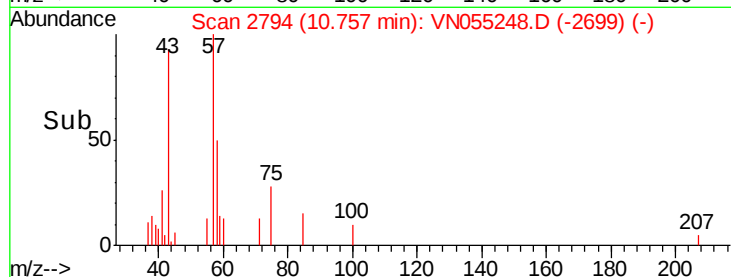
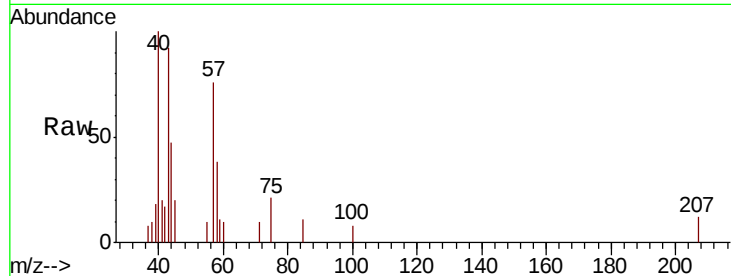




#59
2-Hexanone
Concen: 1.030 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

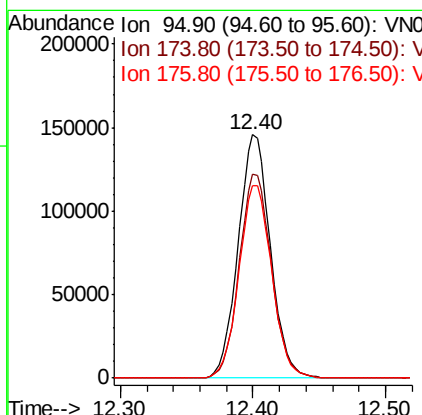
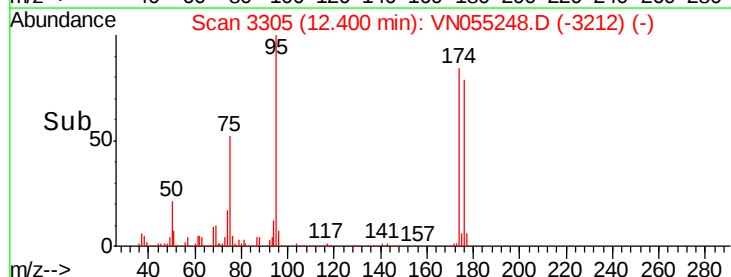
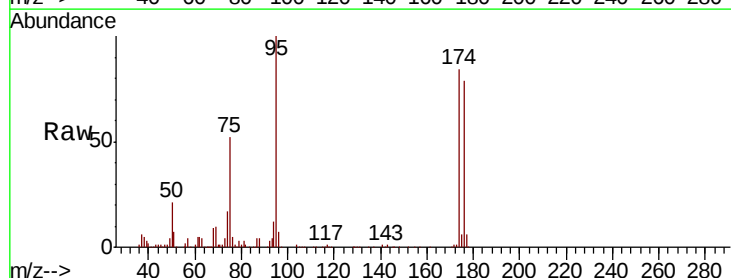
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMPDL

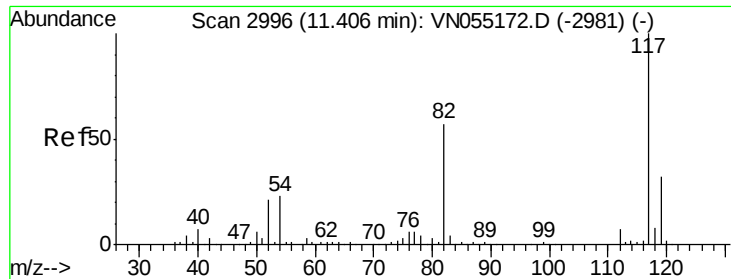
Tot Ion: 43 Resp: 2819
Ion Ratio Lower Upper
43 100
58 43.4 24.5 73.5



#62
4-Bromofluorobenzene
Concen: 49.645 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Tgt Ion: 95 Resp: 245695
Ion Ratio Lower Upper
95 100
174 84.0 0.0 168.4
176 80.8 0.0 164.0

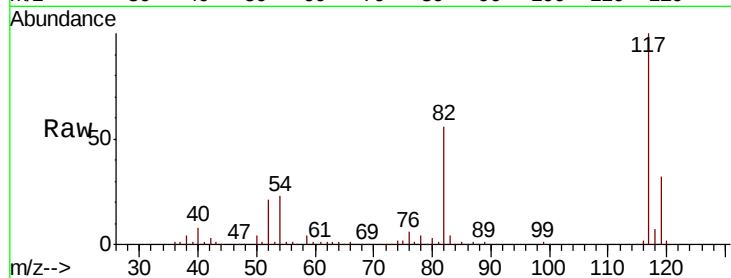




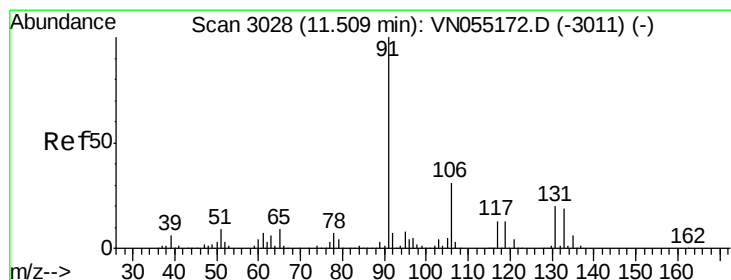
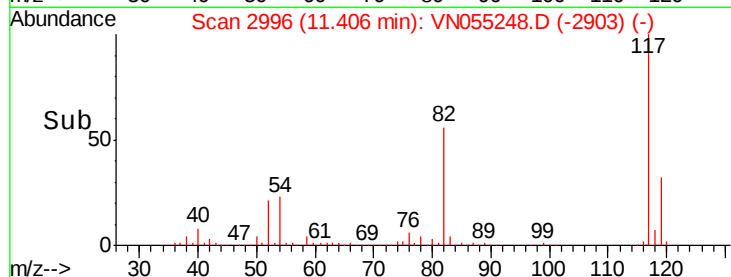
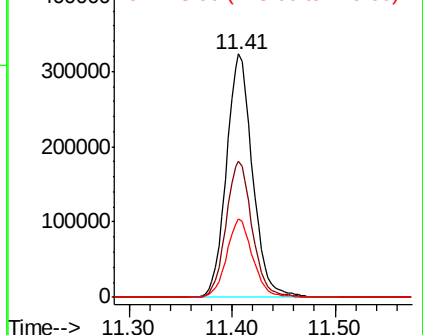
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMPDL

Tot Ion:117 Resp: 570687
Ion Ratio Lower Upper
117 100
82 56.1 45.7 68.5
119 32.0 25.4 38.2

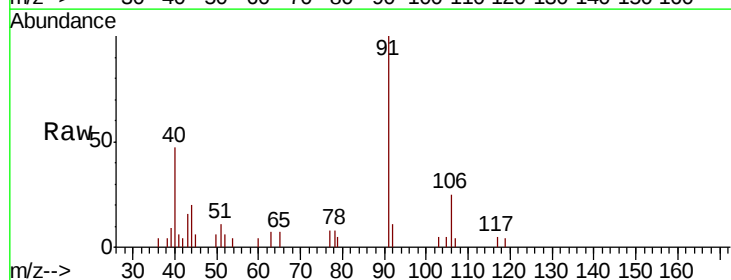


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

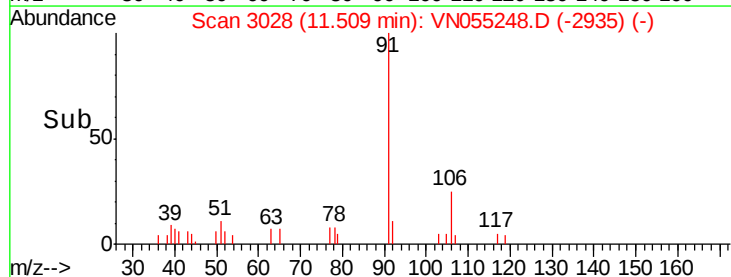
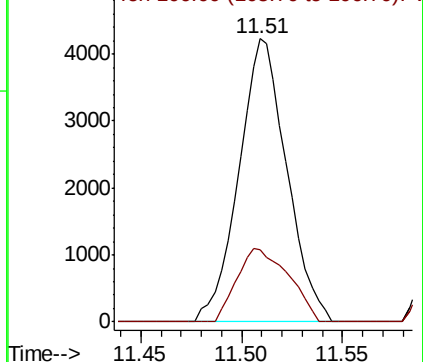


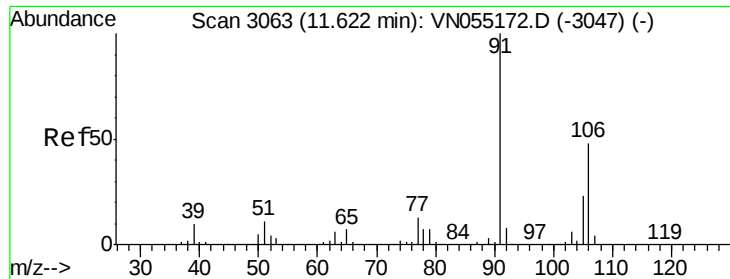
#67
Ethyl Benzene
Concen: 0.338 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Tgt Ion: 91 Resp: 7016
Ion Ratio Lower Upper
91 100
106 25.5 24.5 36.7



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

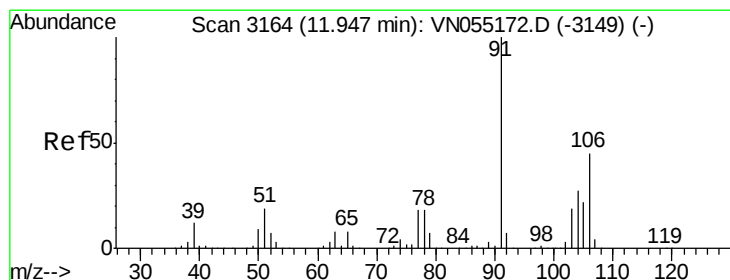
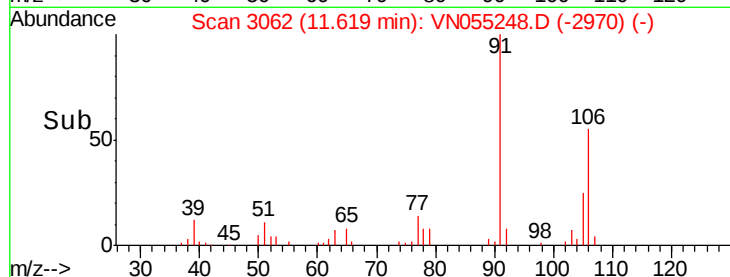
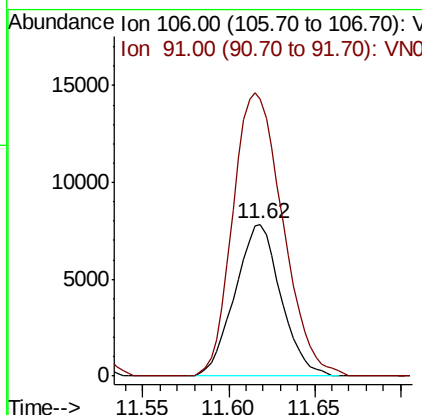
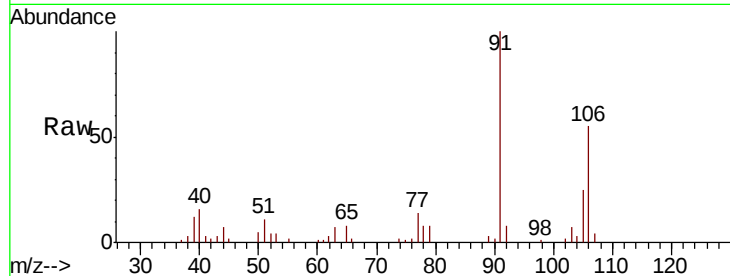




#68
m/p-Xylenes
Concen: 1.949 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

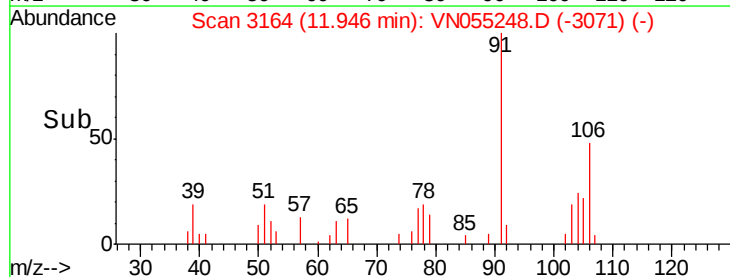
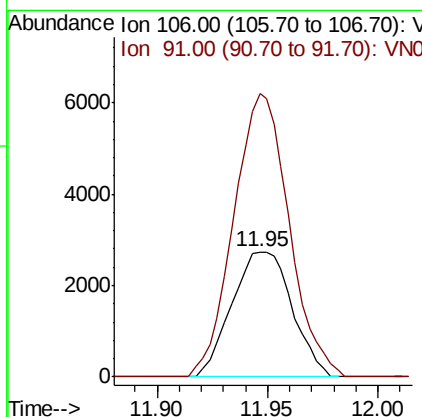
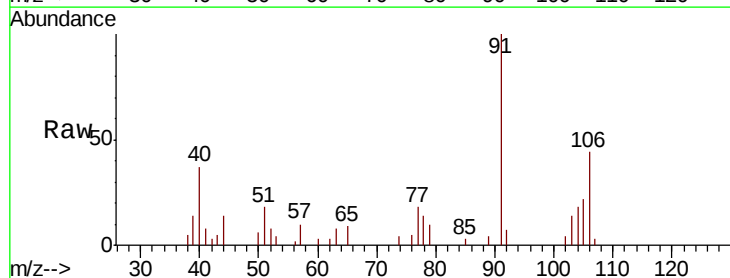
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMPDL

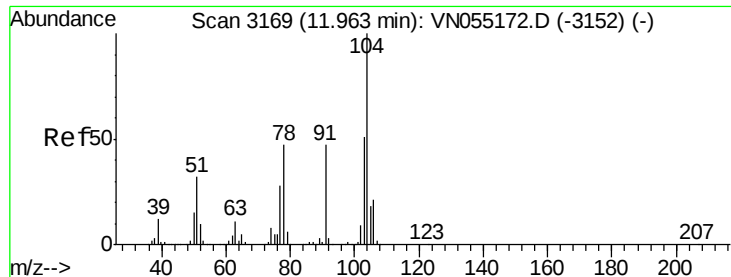
Tot Ion:106 Resp: 14505
Ion Ratio Lower Upper
106 100
91 203.4 167.1 250.7



#69
o-Xylene
Concen: 0.700 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055248.D
Acq: 25 Apr 2019 16:00

Tgt Ion:106 Resp: 5172
Ion Ratio Lower Upper
106 100
91 208.8 110.6 331.8





#70

Stvrene

Concen: 0.619 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPD

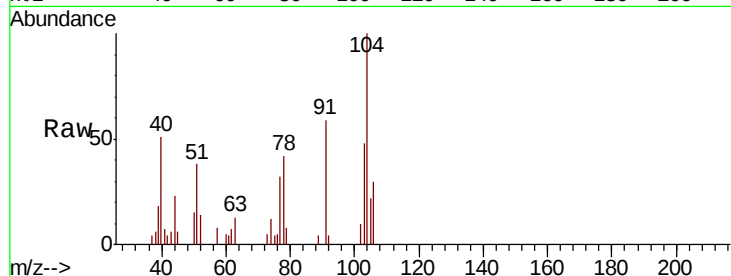
Tot Ion:104 Resp: 7088

Ion Ratio Lower Upper

104 100

78 55.3 41.3 61.9

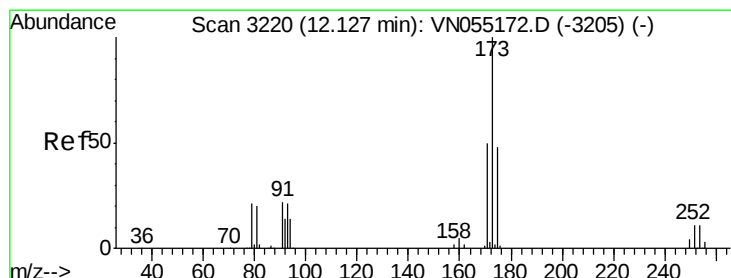
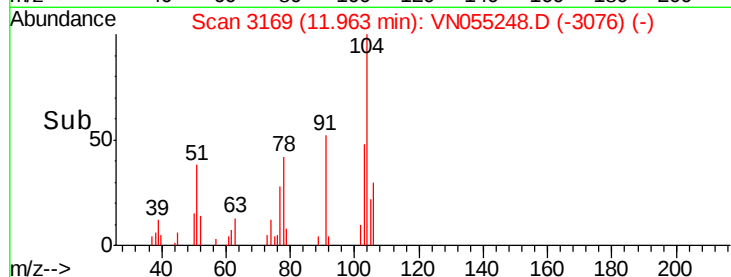
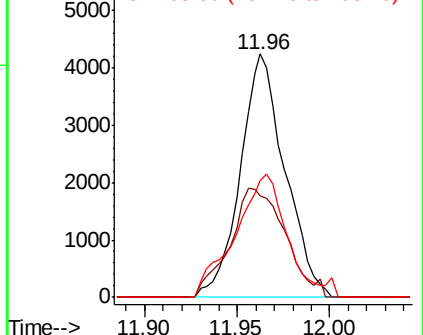
103 59.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.807 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

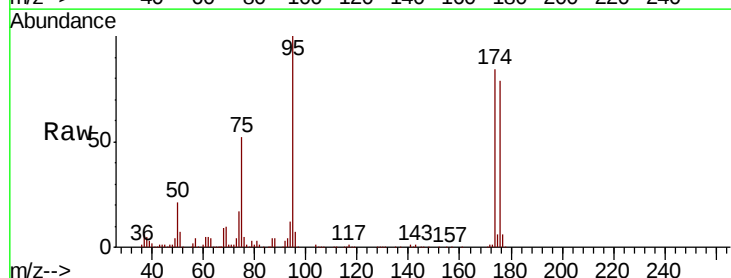
Tgt Ion:173 Resp: 2079

Ion Ratio Lower Upper

173 100

175 676.5 23.8 71.2#

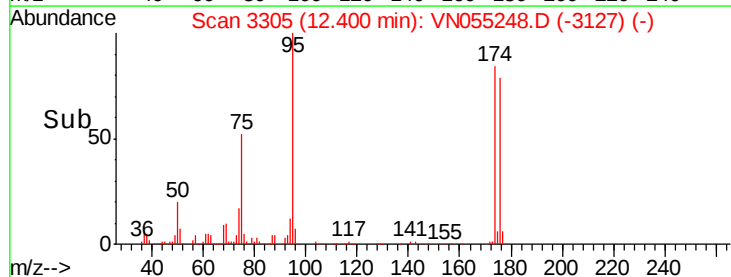
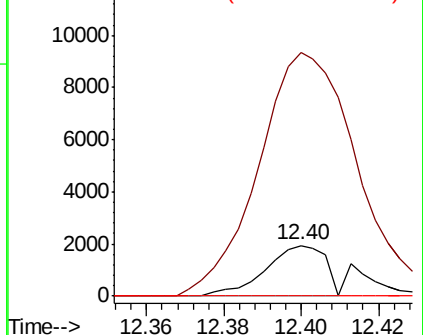
254 0.0 0.1 0.1#

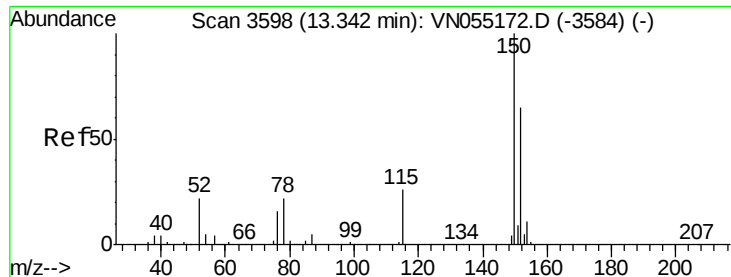


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPDL

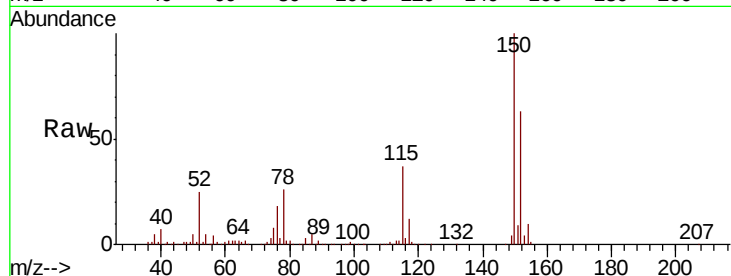
Tot Ion:152 Resp: 179639

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

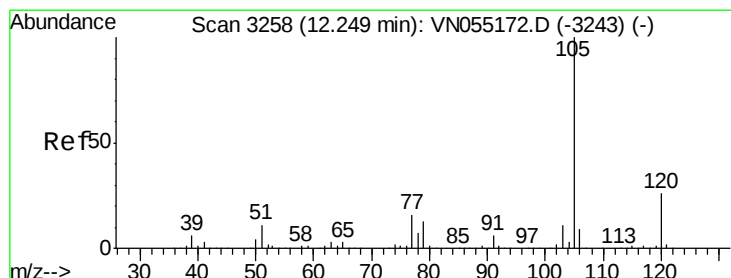
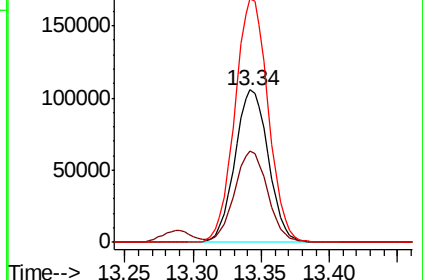
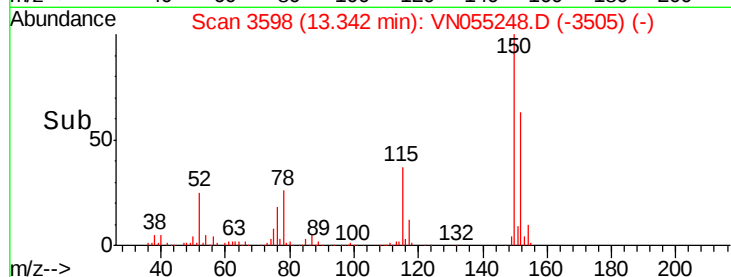
150 159.2 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055248.D

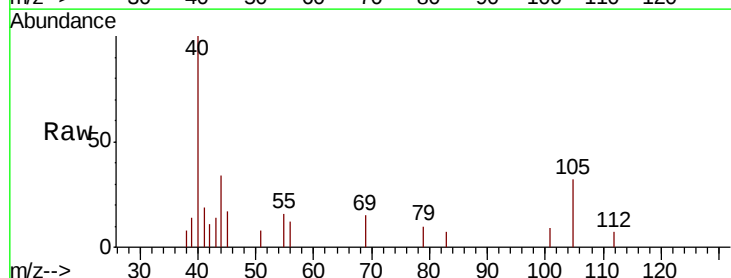
Acq: 25 Apr 2019 16:00

Tgt Ion:105 Resp: 858

Ion Ratio Lower Upper

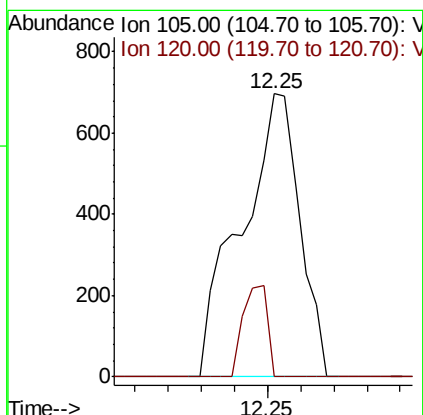
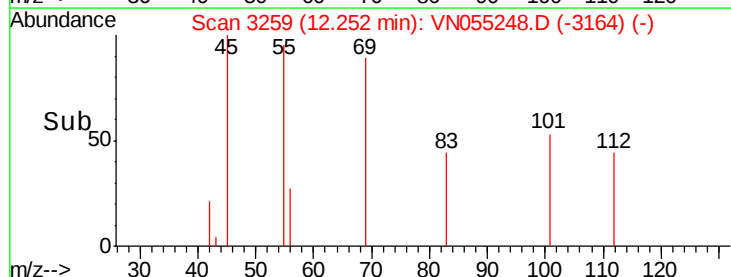
105 100

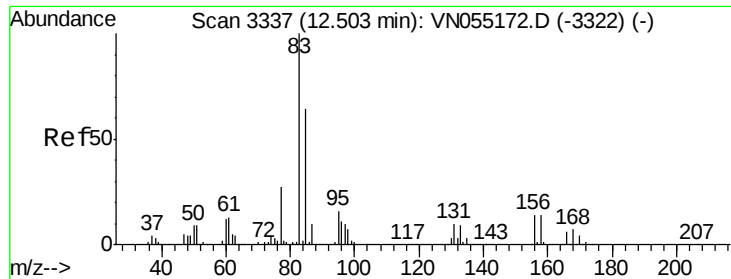
120 13.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.36 min Scan# 3294

Delta R.T. -0.14 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPDL

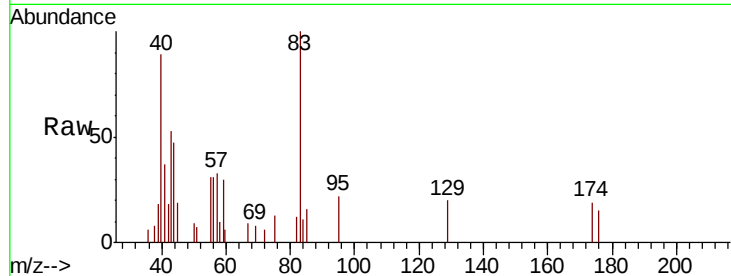
Tot Ion: 83 Resp: 3966

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

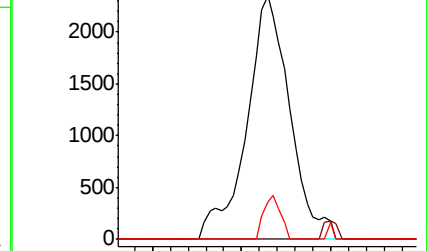
85 7.2 32.1 96.3#



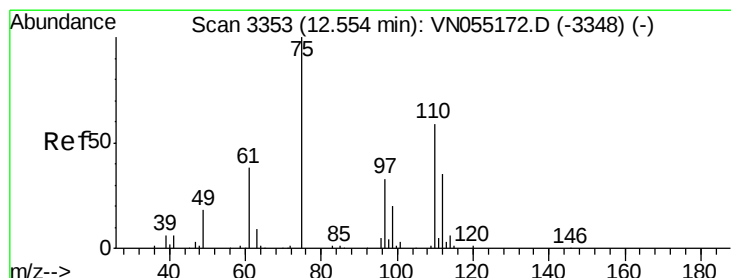
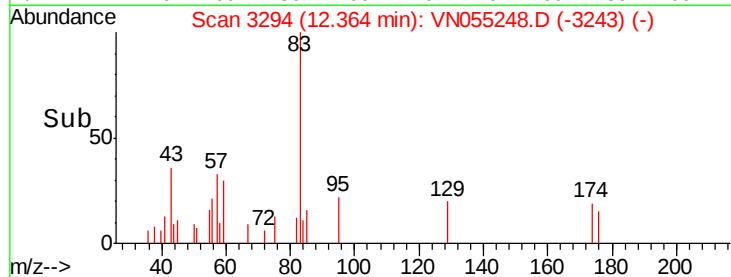
Abundance Ion 82.90 (82.60 to 83.60): VN055172.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055172.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055172.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 34.638 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055248.D

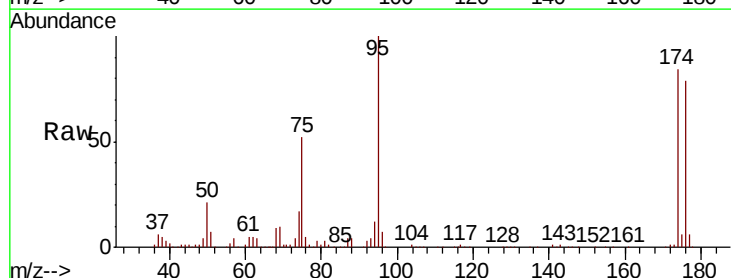
Acq: 25 Apr 2019 16:00

Tgt Ion: 75 Resp: 126235

Ion Ratio Lower Upper

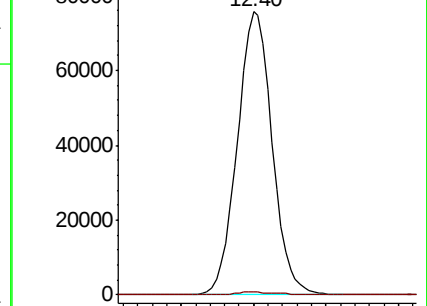
75 100

77 0.9 0.0 0.0#

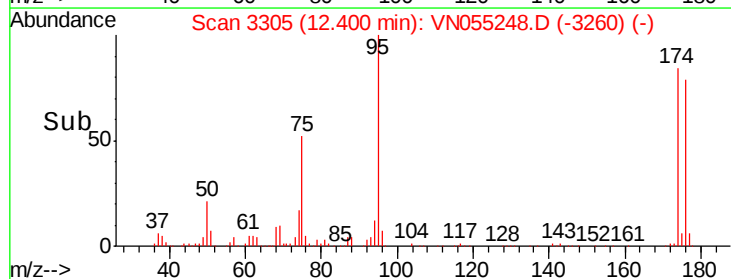


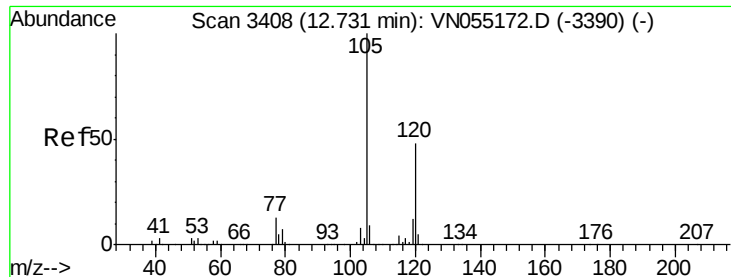
Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055172.D (-3348) (-)



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.278 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

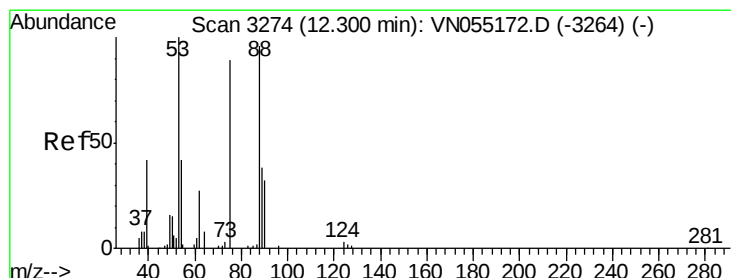
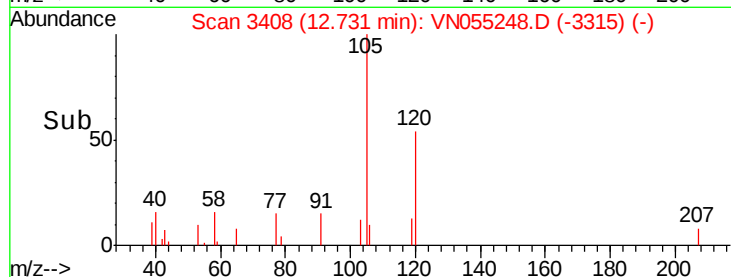
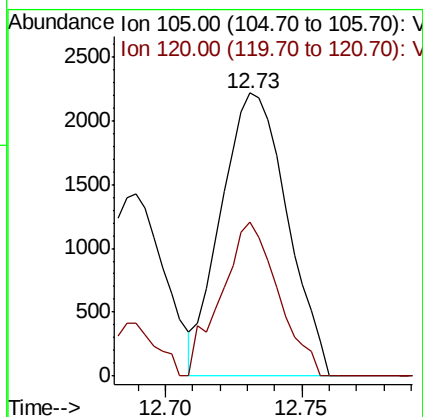
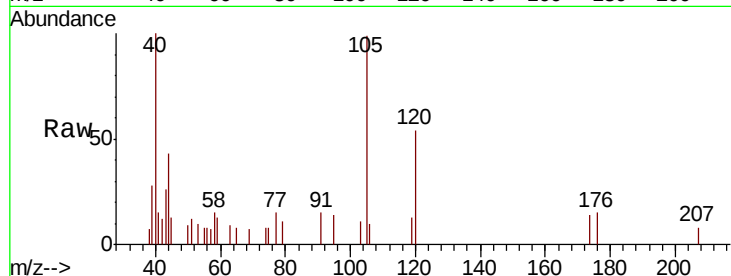
DRUM-COMPDL

Tot Ion:105 Resp: 3732

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 131.307 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

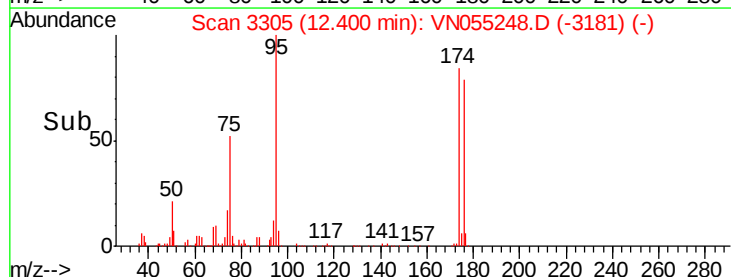
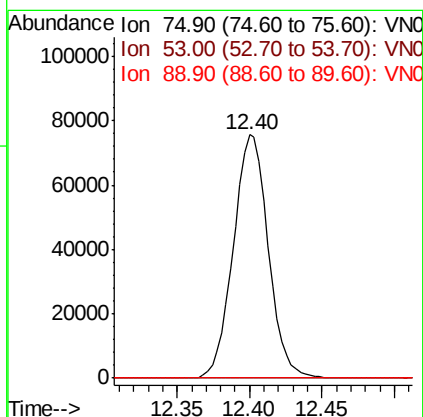
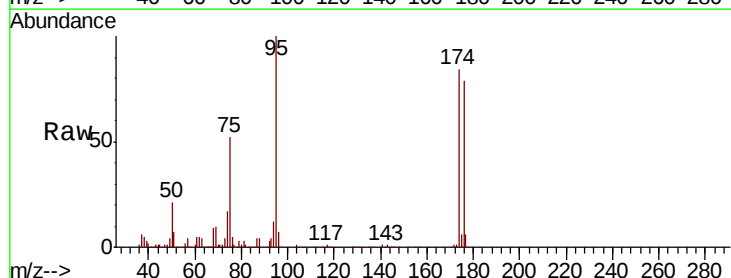
Tgt Ion: 75 Resp: 126235

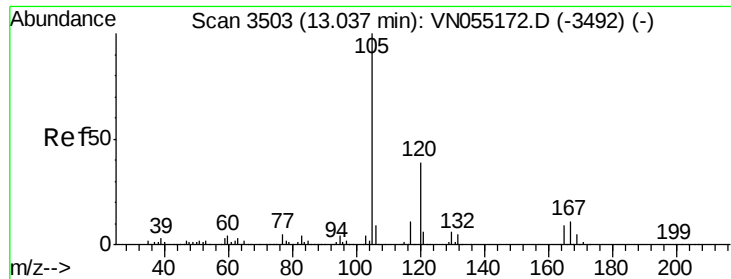
Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 36.7 55.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.967 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

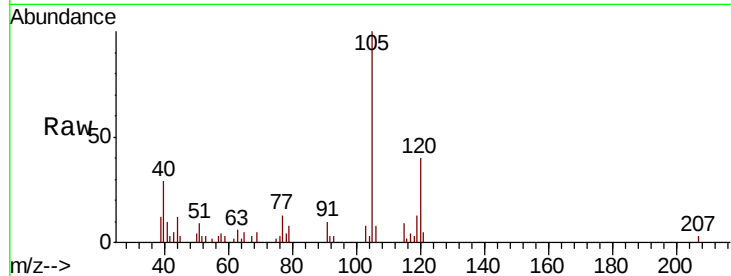
DRUM-COMPD

Tot Ion:105 Resp: 12275

Ion Ratio Lower Upper

105 100

120 36.9 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

4000

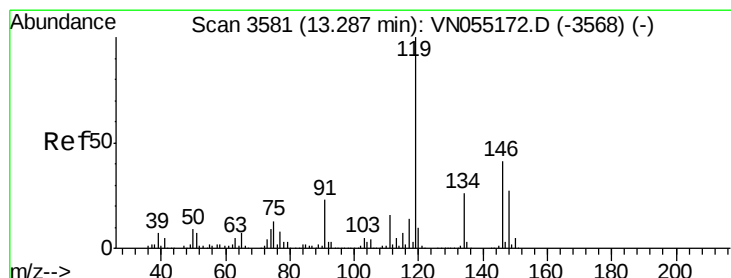
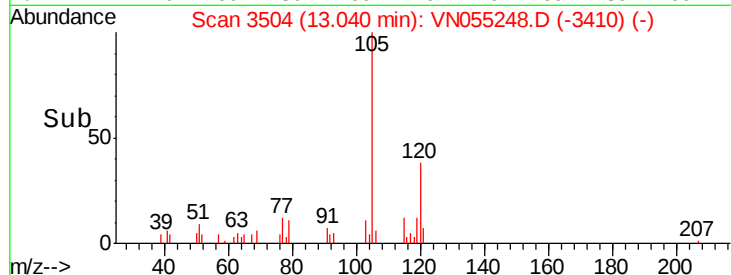
2000

0

13.00

13.05

Time-->



#86

p-Isopropyltoluene

Concen: 12.706 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

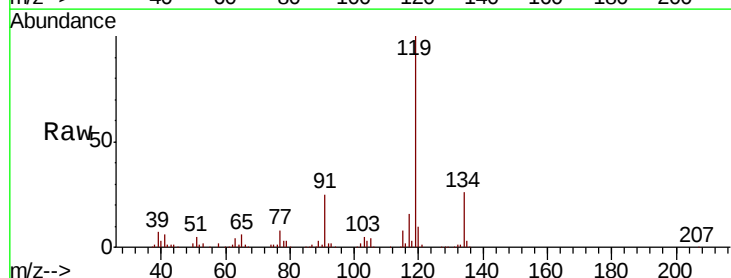
Tgt Ion:119 Resp: 159252

Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 23.9 11.8 35.3



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

100000

50000

0

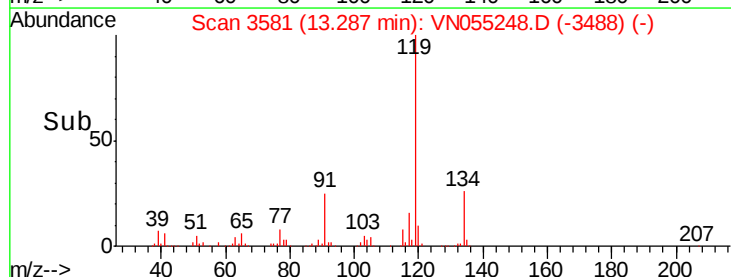
13.20

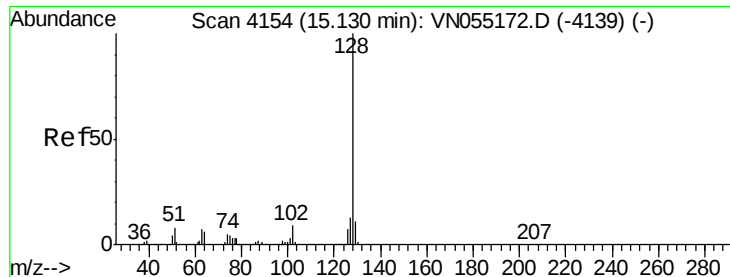
13.25

13.30

13.35

Time-->





#95

Naphthalene

Concen: 8.620 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055248.D

Acq: 25 Apr 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMPDL

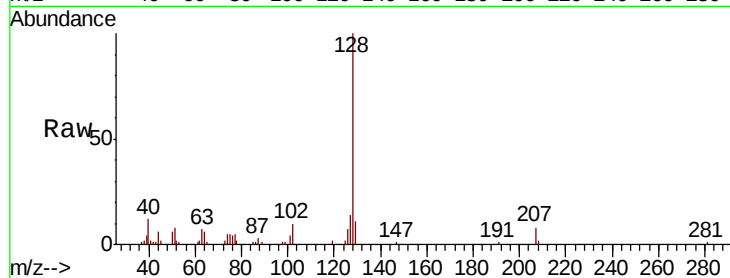
Tot Ion:128 Resp: 32396

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 11.3 8.8 13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

