

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054403.D
 Acq On : 18 Mar 2019 19:28
 Operator : JC/SP
 Sample : K1972-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-8-031519

Quant Time: Mar 19 05:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1818364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2574657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2130476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	753209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	867398	44.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.84%	
35) Dibromofluoromethane	7.59	113	789274	47.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.06%	
50) Toluene-d8	10.09	98	2960665	48.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	856920	39.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.86%	

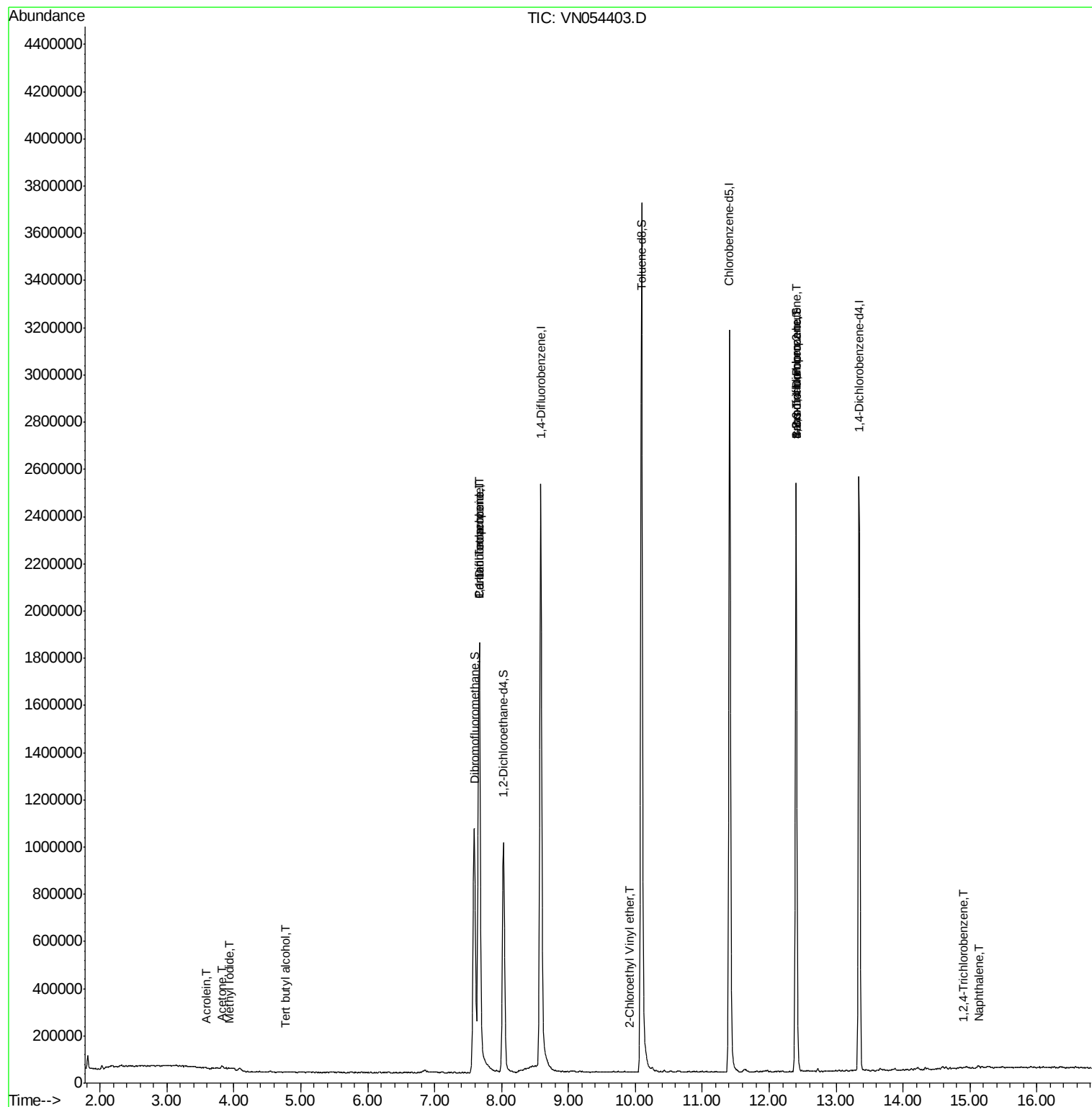
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	490	1.515	ug/l #	53
11) Tert butyl alcohol	4.78	59	321	0.242	ug/l #	70
13) Acrolein	3.60	56	854	0.681	ug/l #	23
16) Acetone	3.83	43	15430	2.791	ug/l	98
31) Cyclohexane	7.66	56	27737	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	107397	4.530	ug/l #	48
38) Carbon Tetrachloride	7.67	117	145568	5.854	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.91	63	30	16.831	ug/l #	44
71) Bromoform	12.40	173	5688	2.769	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	405866	36.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	405866	125.261	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1062	2.580	ug/l #	52
95) Naphthalene	15.14	128	7798	3.689	ug/l	97

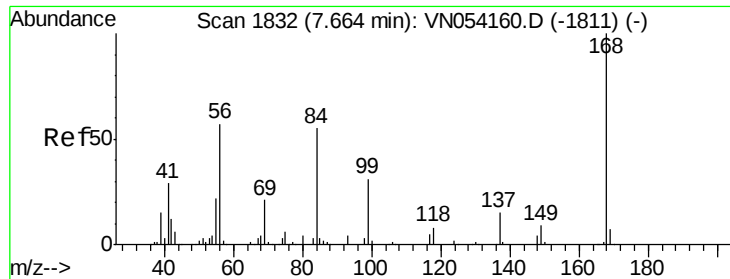
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

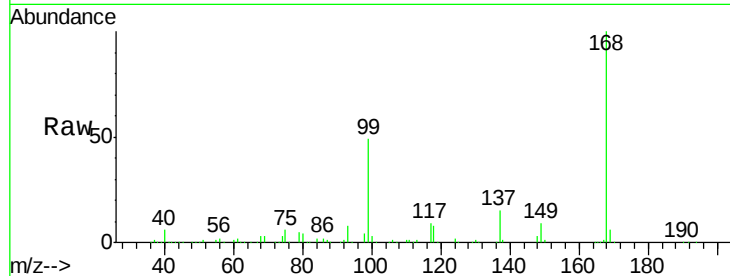
TW-8-031519

Tot Ion:168 Resp: 1818364

Ion Ratio Lower Upper

168 100

99 48.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

800000

600000

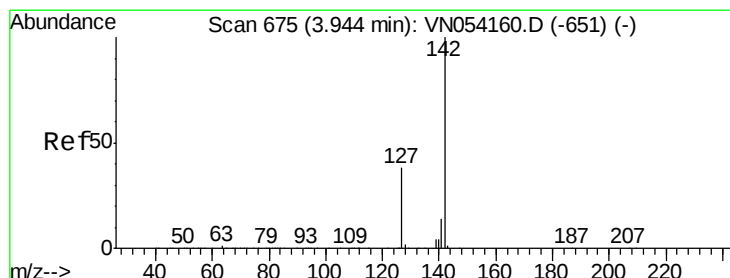
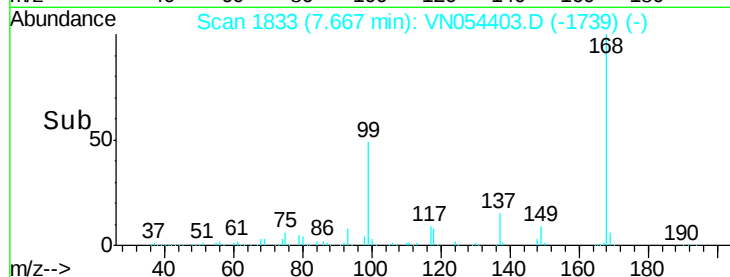
400000

200000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 1.515 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

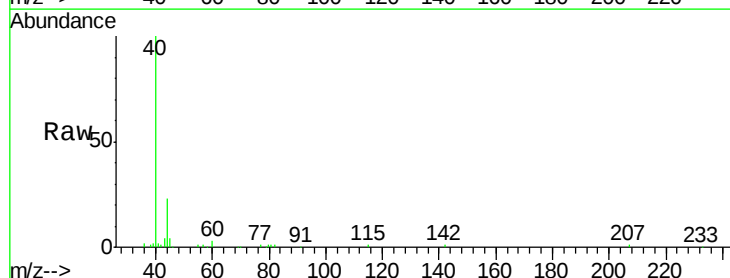
Tgt Ion:142 Resp: 490

Ion Ratio Lower Upper

142 100

127 6.5 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

500

400

300

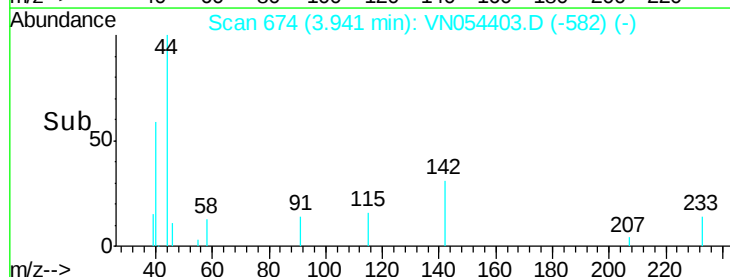
200

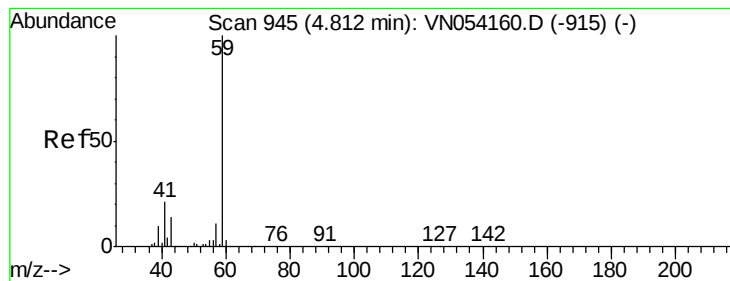
100

0

3.92 3.94 3.96

Time-->



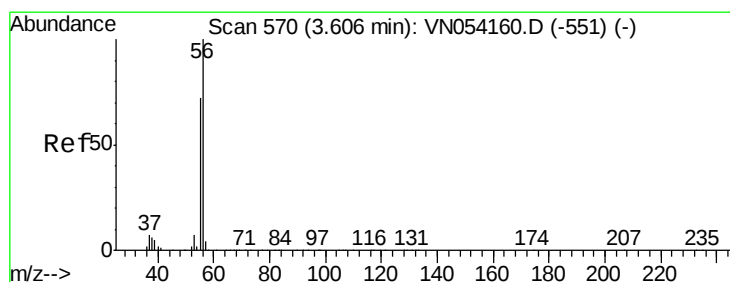
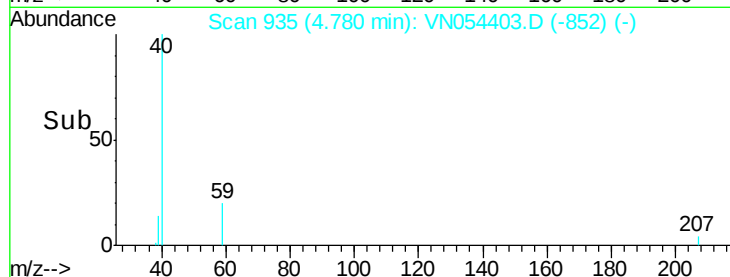
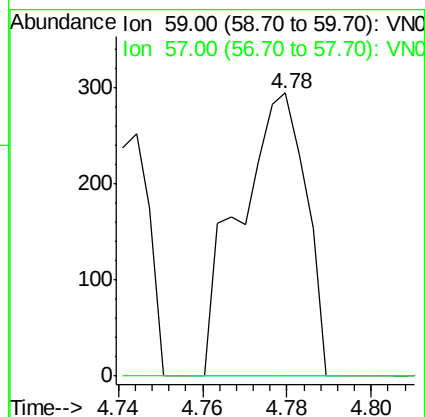
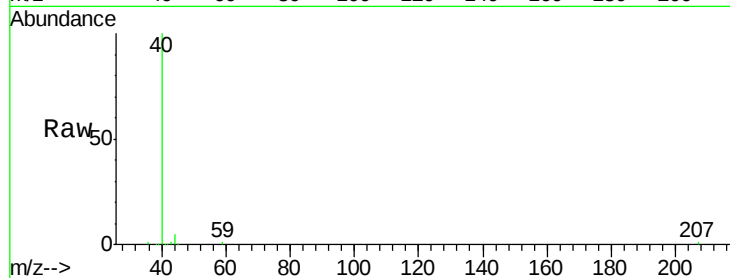


#11

Tert butyl alcohol
 Concen: 0.242 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.03 min
 Lab File: VN054403.D
 Acq: 18 Mar 2019 19:28

Instrument :
 MSVOA_N
 ClientSampled :
 TW-8-031519

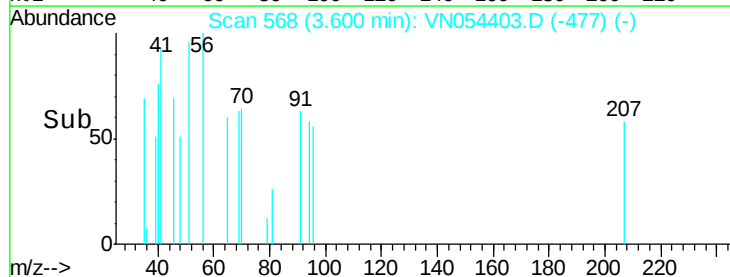
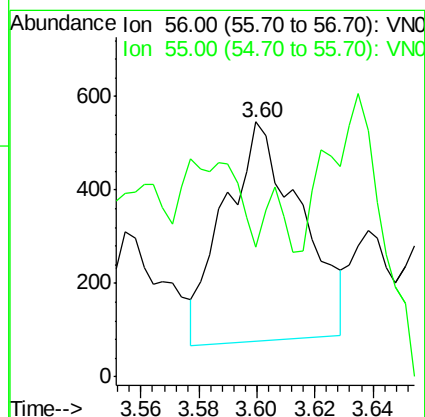
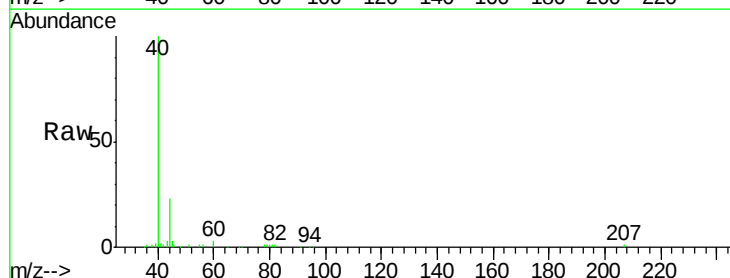
Tot Ion: 59 Resp: 321
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

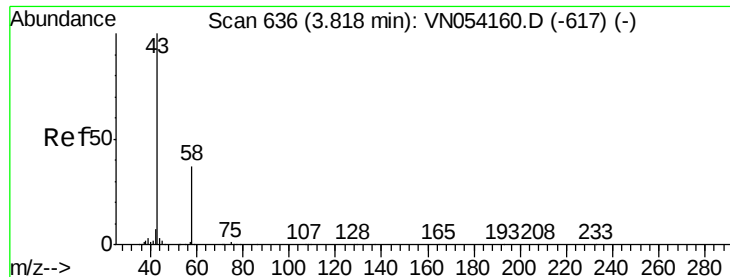


#13

Acrolein
 Concen: 0.681 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VN054403.D
 Acq: 18 Mar 2019 19:28

Tgt Ion: 56 Resp: 854
 Ion Ratio Lower Upper
 56 100
 55 6.9 56.7 85.1#





#16

Acetone

Concen: 2.791 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

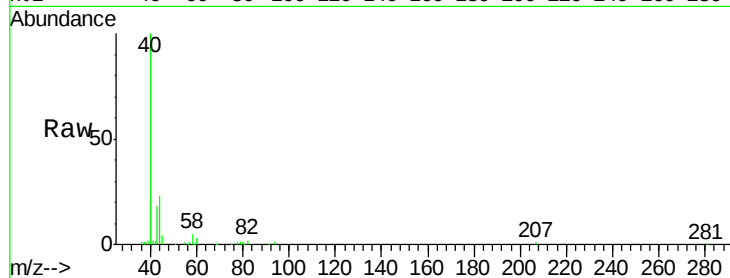
TW-8-031519

Tot Ion: 43 Resp: 15430

Ion Ratio Lower Upper

43 100

58 38.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

8000

6000

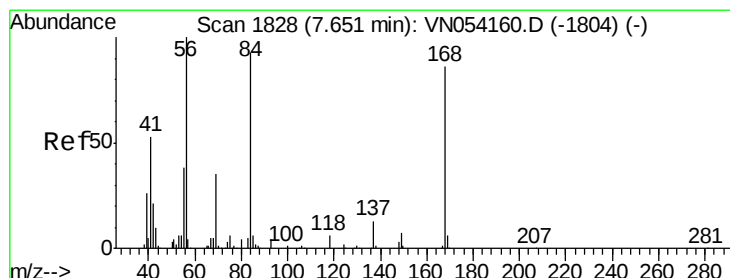
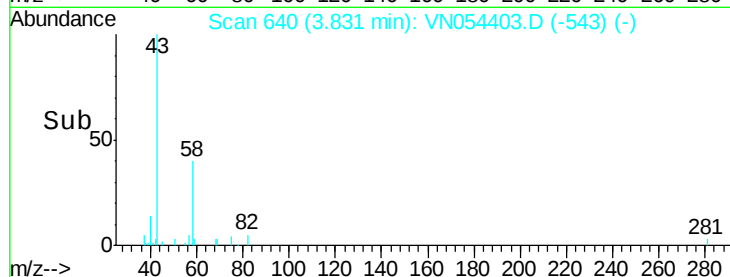
4000

2000

0

Time-->

3.75 3.80 3.85 3.90



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

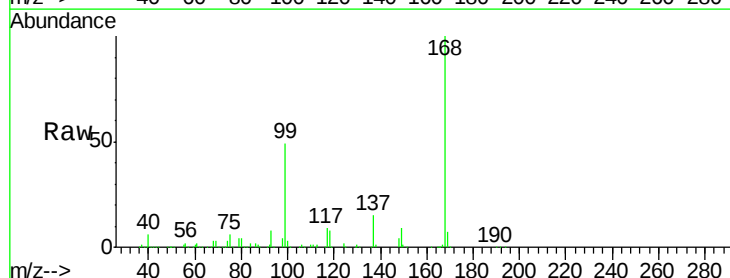
Tgt Ion: 56 Resp: 27737

Ion Ratio Lower Upper

56 100

69 189.4 27.8 41.6#

84 141.3 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

25000

20000

15000

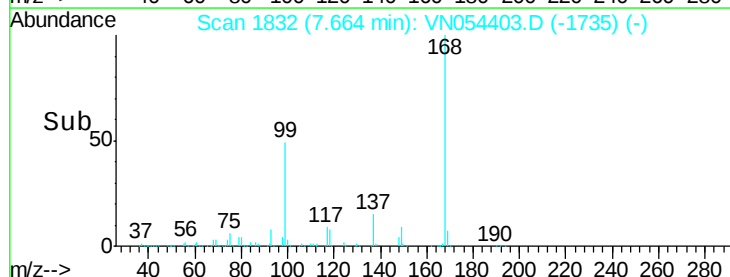
10000

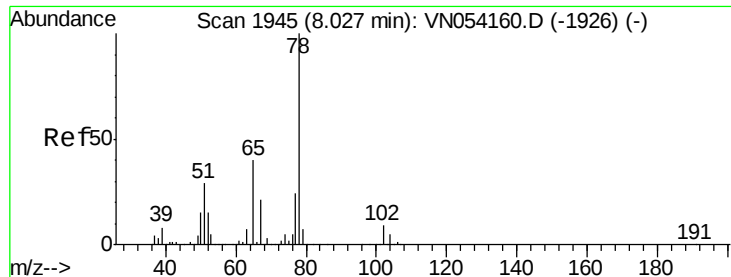
5000

0

Time-->

7.55 7.60 7.65 7.70 7.75





#33

1,2-Dichloroethane-d4

Concen: 44.917 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

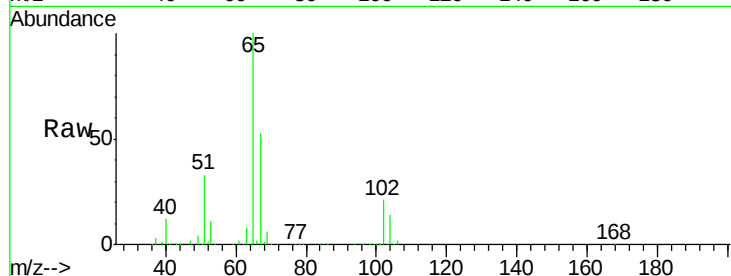
TW-8-031519

Tot Ion: 65 Resp: 867398

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054403.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054403.D (-1852) (-)

8.03

400000

300000

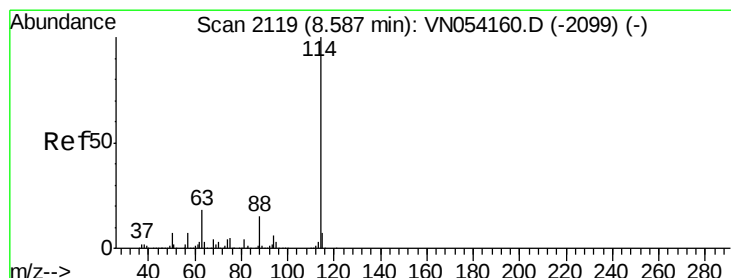
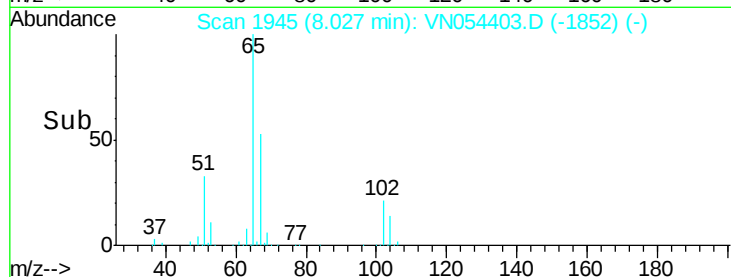
200000

100000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

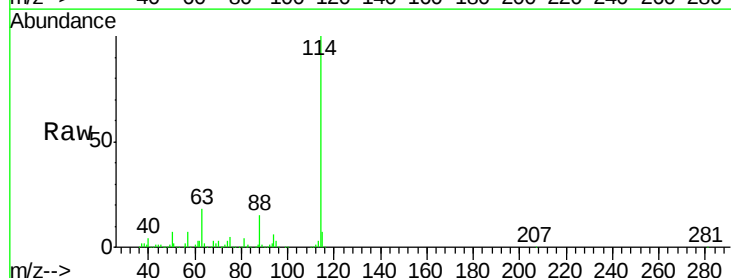
Tgt Ion: 114 Resp: 2574657

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

88 15.2 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054403.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054403.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054403.D (-2026) (-)

8.59

1500000

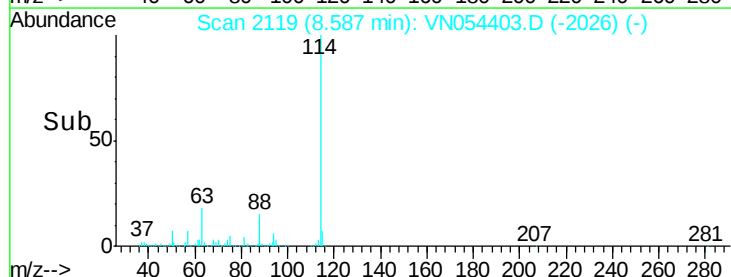
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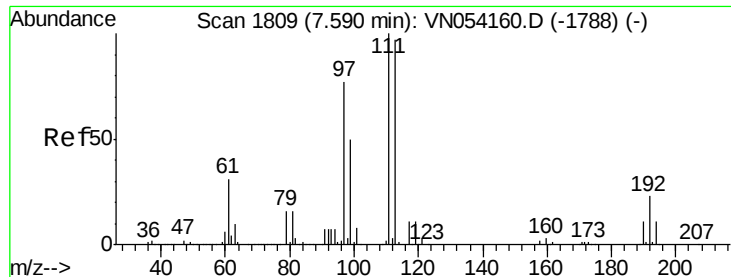
500000

0

8.40 8.50 8.60 8.70 8.80

Time-->

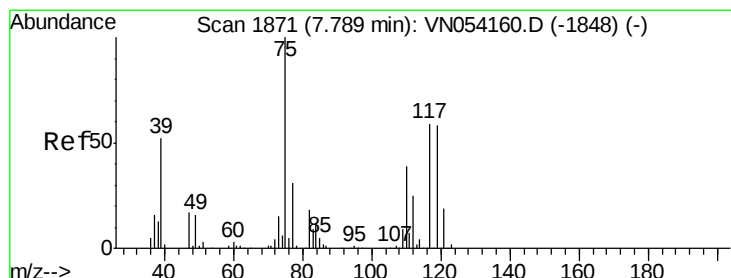
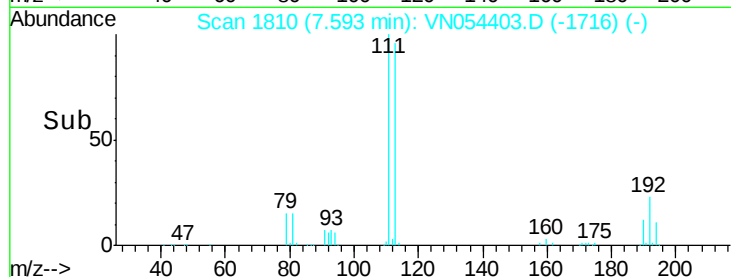
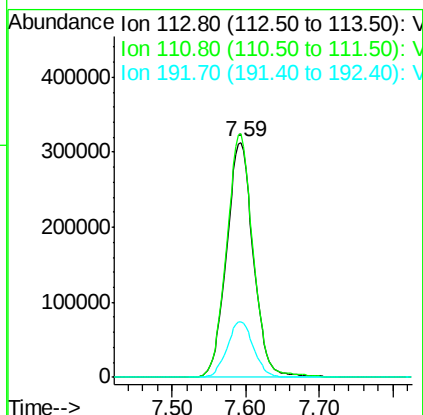
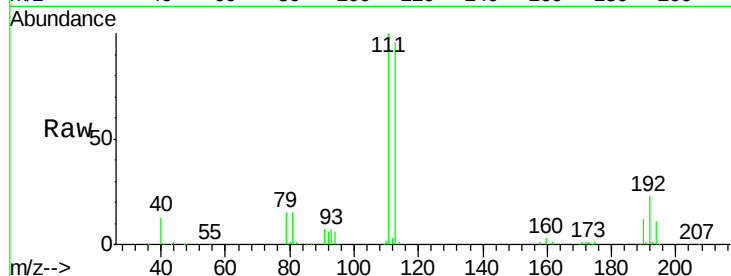




#35
 Dibromofluoromethane
 Concen: 47.531 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054403.D
 Acq: 18 Mar 2019 19:28

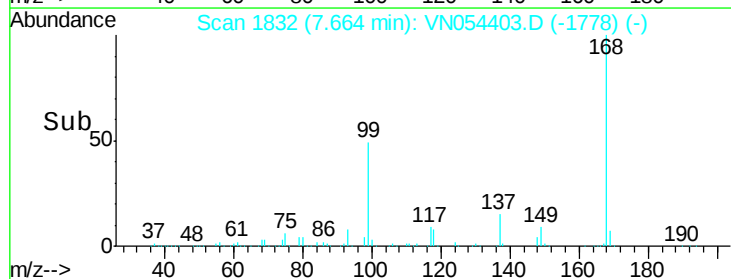
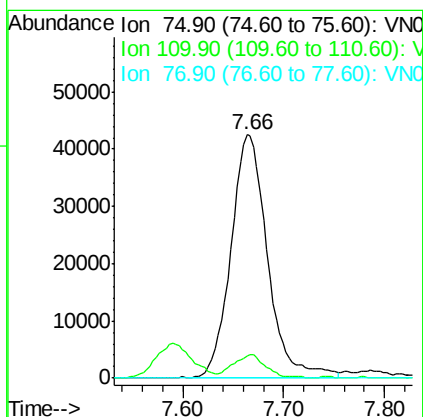
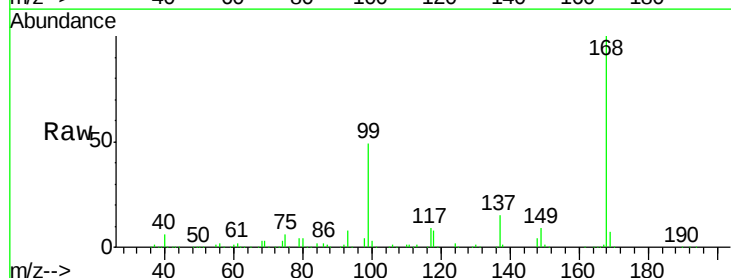
Instrument :
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 TW-8-031519

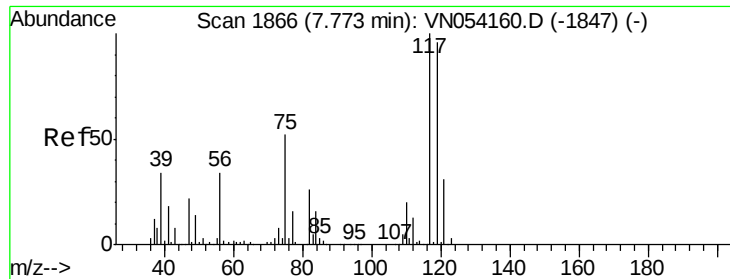
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	23.5	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.530 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054403.D
 Acq: 18 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.5#
77	0.0	25.0	37.4#

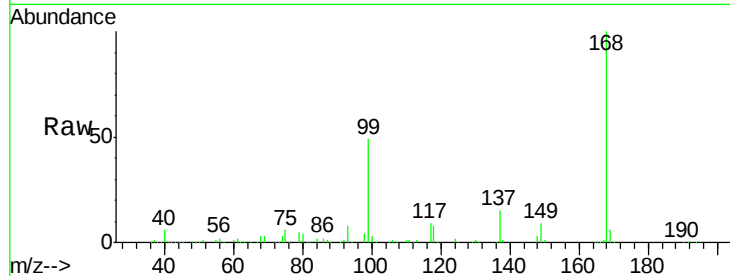




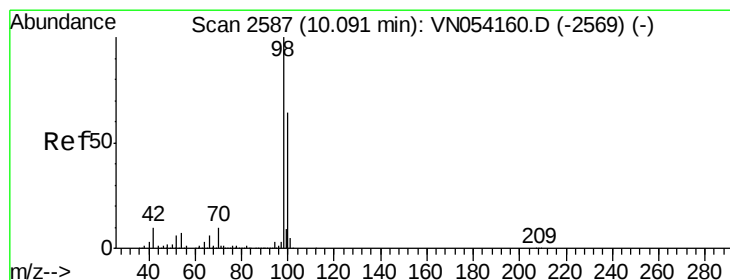
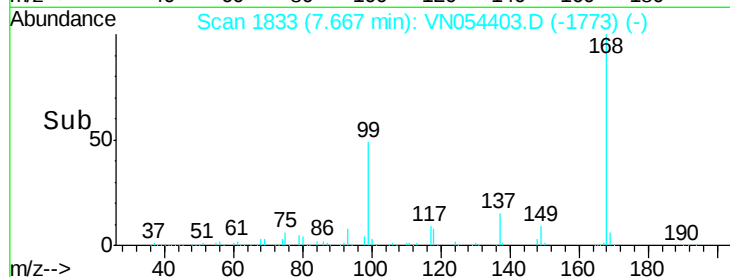
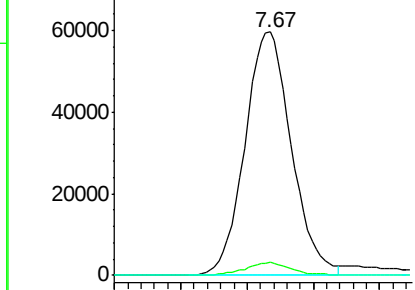
#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054403.D
Acq: 18 Mar 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
TW-8-031519

Tot Ion:117 Resp: 145568
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 24.6 36.8#

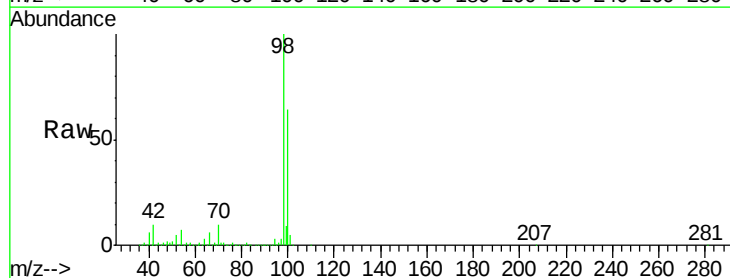


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

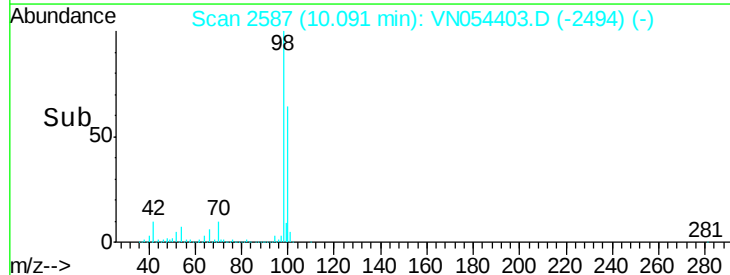
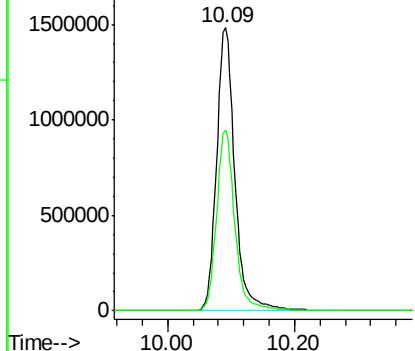


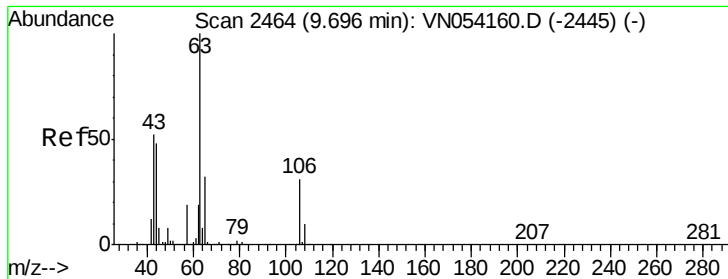
#50
Toluene-d8
Concen: 48.277 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054403.D
Acq: 18 Mar 2019 19:28

Tgt Ion: 98 Resp: 2960665
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



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

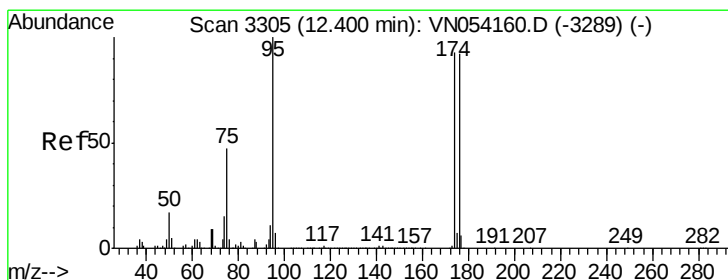
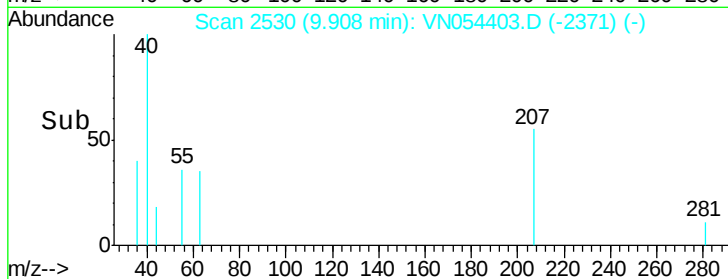
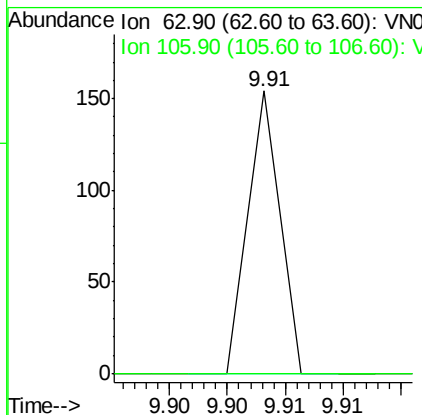
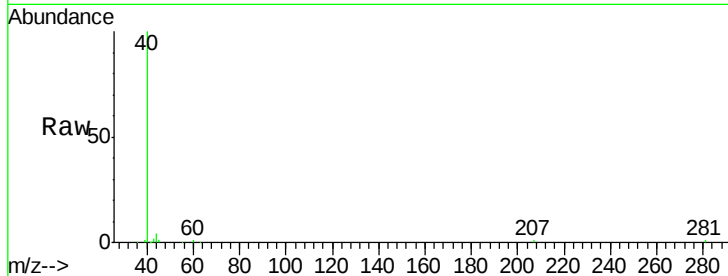




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.831 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.21 min
 Lab File: VN054403.D
 Acq: 18 Mar 2019 19:28

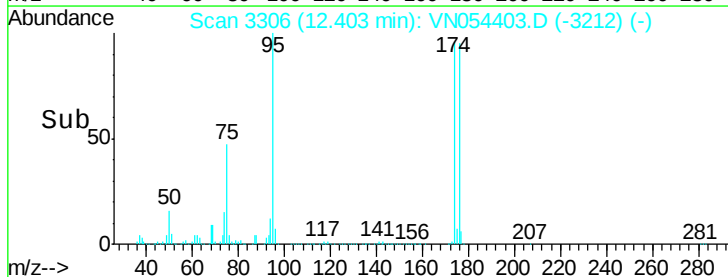
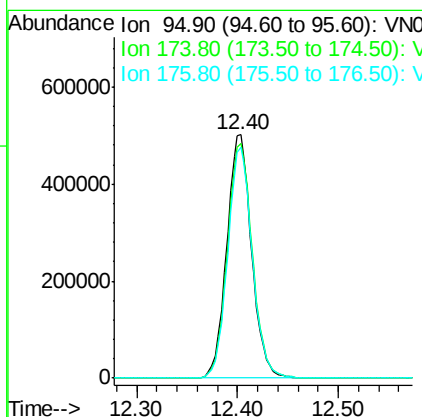
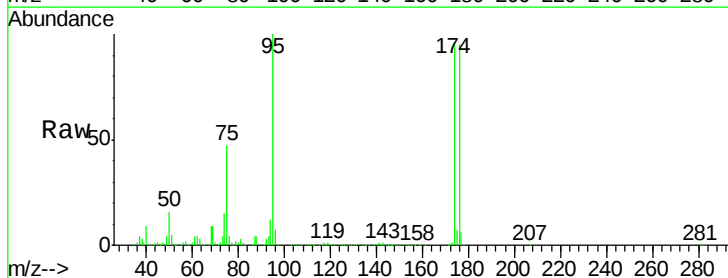
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-8-031519

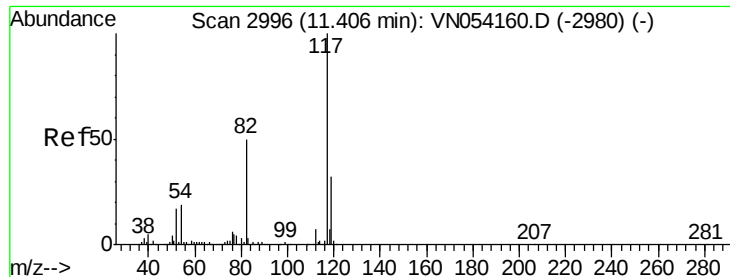
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 39.934 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054403.D
 Acq: 18 Mar 2019 19:28

Tgt Ion: 95 Resp: 856920
 Ion Ratio Lower Upper
 95 100
 174 97.7 0.0 191.0
 176 94.4 0.0 187.4

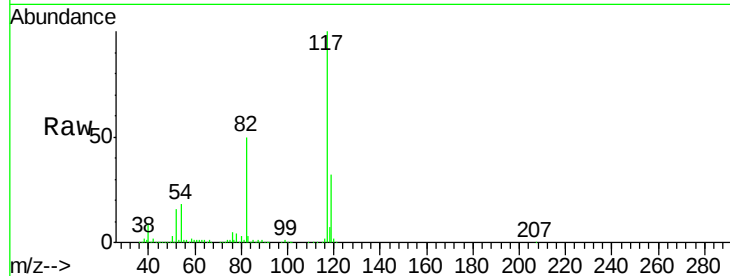




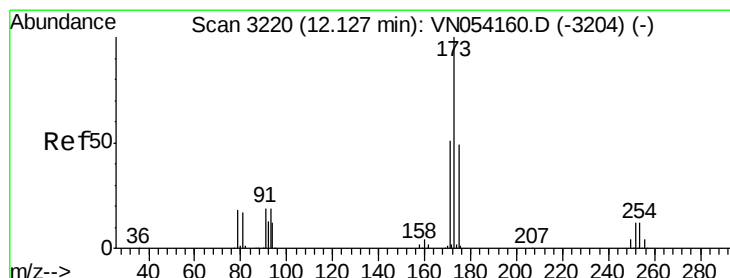
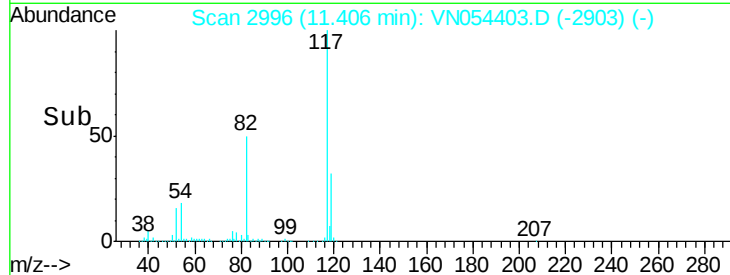
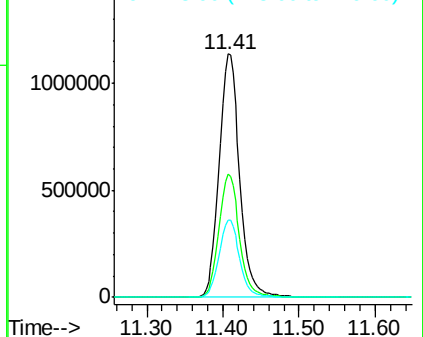
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054403.D
Acq: 18 Mar 2019 19:28

Instrument :
MSVOA_N
ClientSampleId :
TW-8-031519

Tot Ion:117 Resp: 2130476
Ion Ratio Lower Upper
117 100
82 50.4 40.0 60.0
119 31.7 25.8 38.6

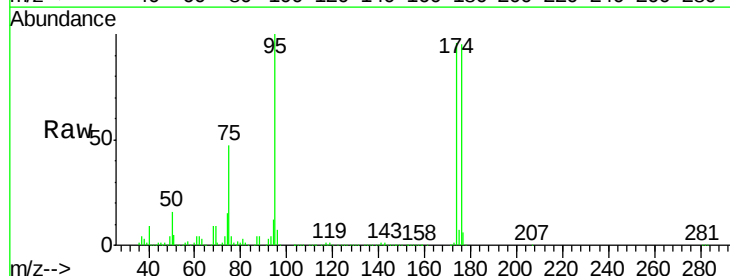


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

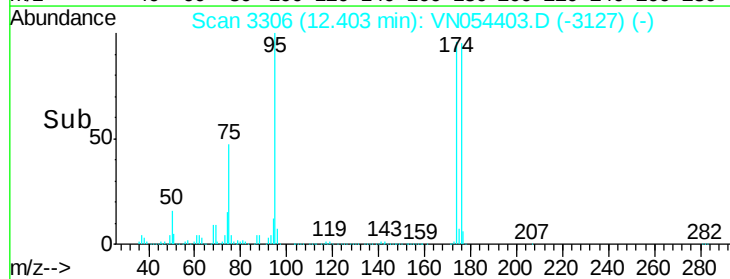
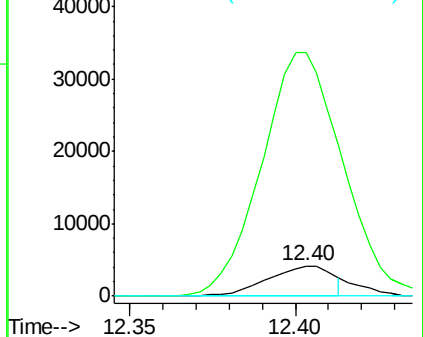


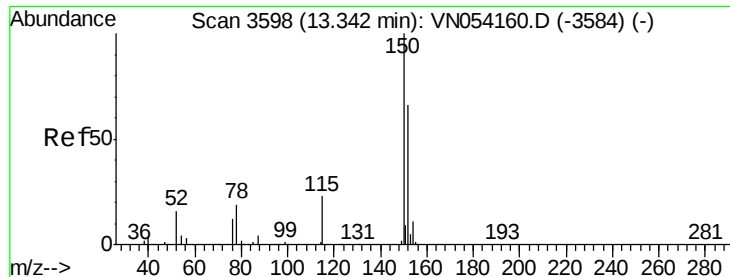
#71
Bromoform
Concen: 2.769 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054403.D
Acq: 18 Mar 2019 19:28

Tgt Ion:173 Resp: 5688
Ion Ratio Lower Upper
173 100
175 861.5 24.4 73.2#
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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

TW-8-031519

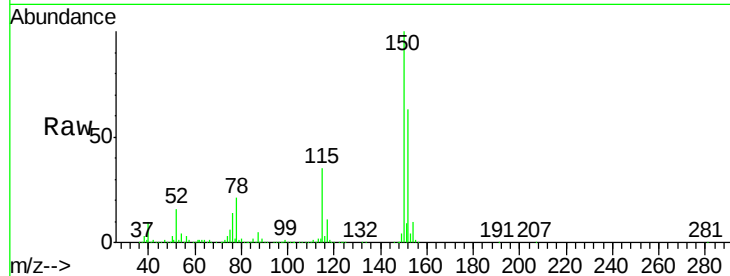
Tot Ion:152 Resp: 753209

Ion Ratio Lower Upper

152 100

115 55.1 27.2 81.6

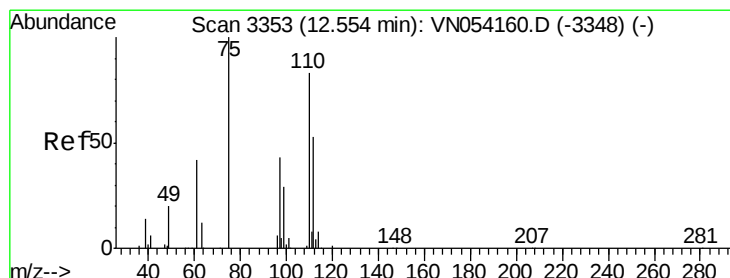
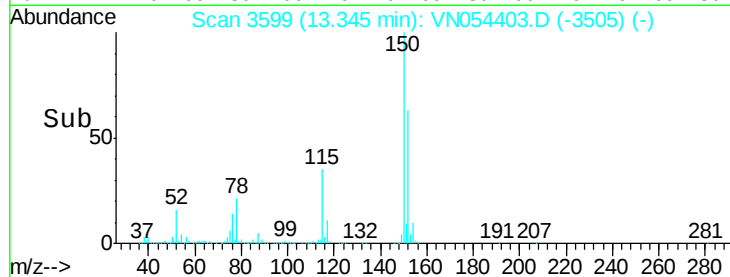
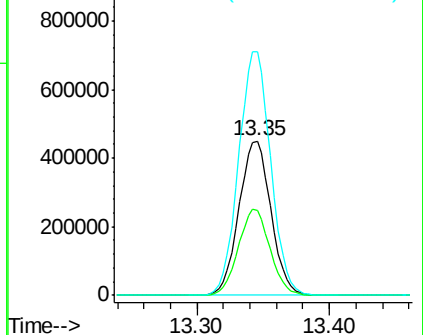
150 158.2 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 36.643 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054403.D

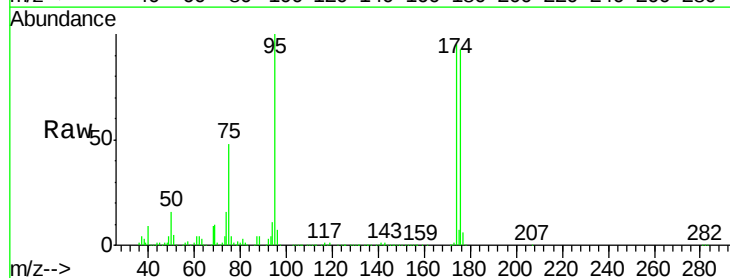
Acq: 18 Mar 2019 19:28

Tgt Ion: 75 Resp: 405866

Ion Ratio Lower Upper

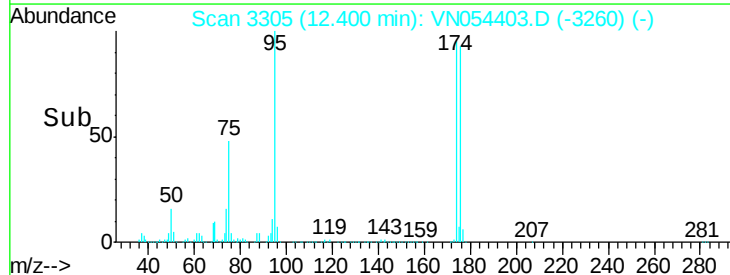
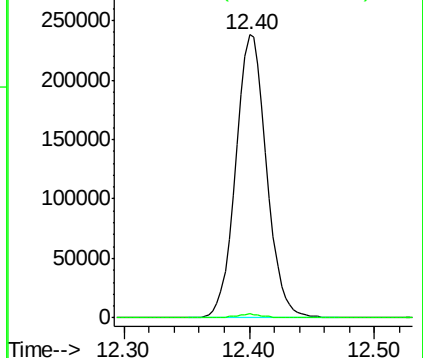
75 100

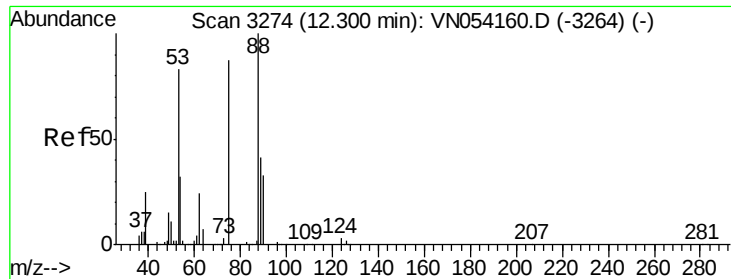
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 125.261 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

TW-8-031519

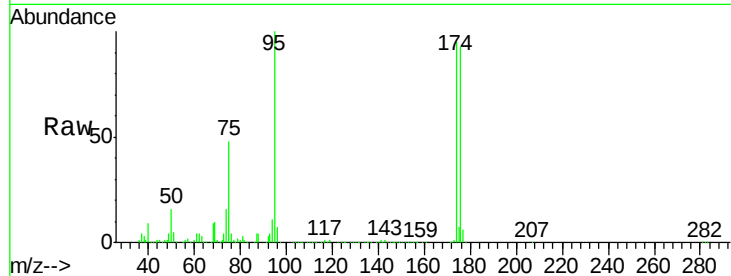
Tot Ion: 75 Resp: 405866

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

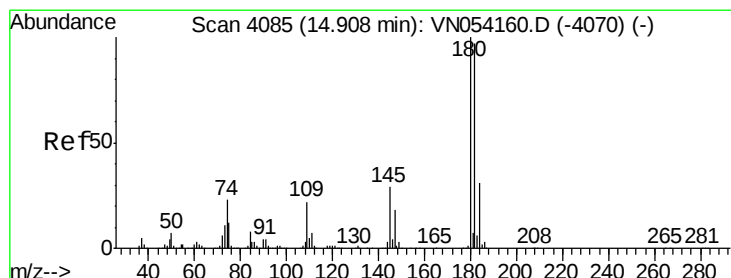
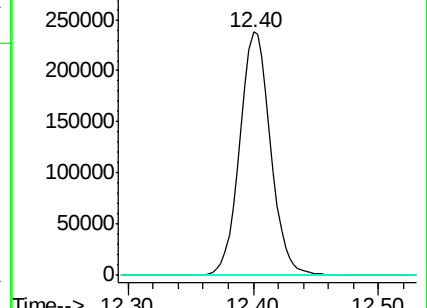
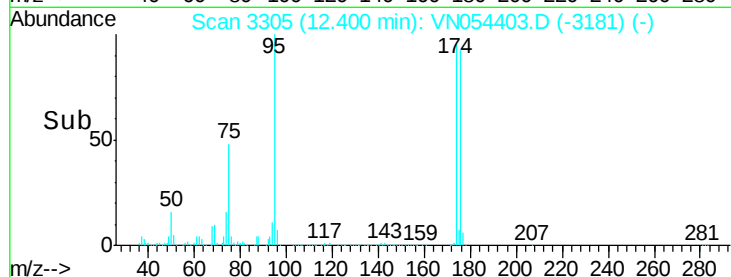
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054403.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054403.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054403.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.580 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

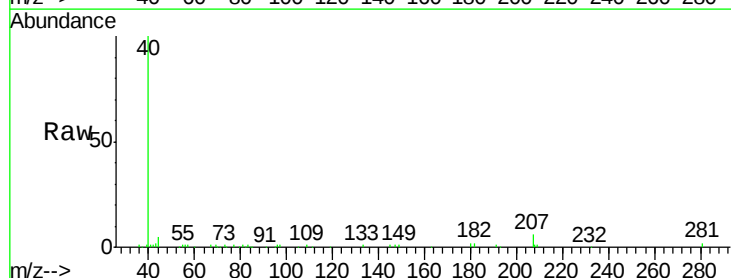
Tgt Ion: 180 Resp: 1062

Ion Ratio Lower Upper

180 100

182 103.4 48.0 144.2

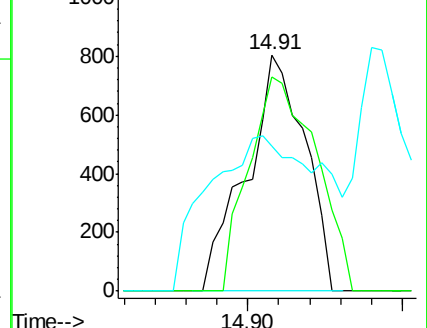
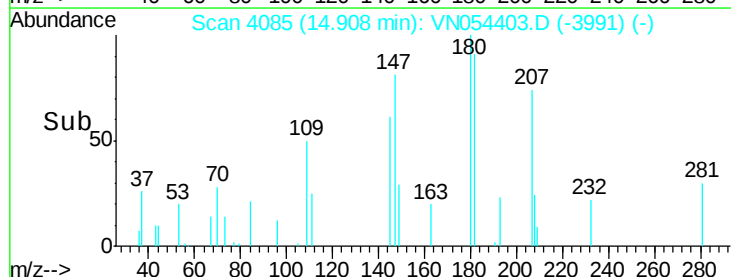
145 126.2 14.2 42.8#

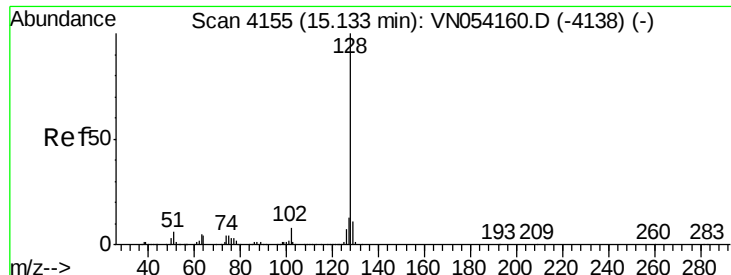


Abundance Ion 179.80 (179.50 to 180.50): VN054403.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN054403.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN054403.D (-3991) (-)





#95

Naphthalene

Concen: 3.689 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054403.D

Acq: 18 Mar 2019 19:28

Instrument :

MSVOA_N

ClientSampleId :

TW-8-031519

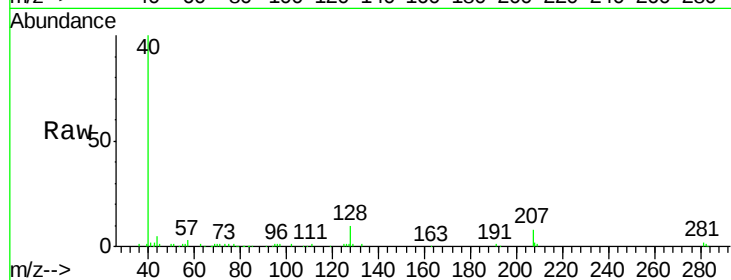
Tot Ion:128 Resp: 7798

Ion Ratio Lower Upper

128 100

127 14.0 10.1 15.1

129 11.5 8.7 13.1



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

