

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054327.D
 Acq On : 15 Mar 2019 23:18
 Operator : JC/SP
 Sample : K1930-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Mar 16 03:26:48 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	1339402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2288230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2417390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1013004	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	733032	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	713591	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	10.09	98	2819961	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.40	95	1081622	56.72	ug/l	0.00
Spiked Amount			Recovery	=	113.44%	

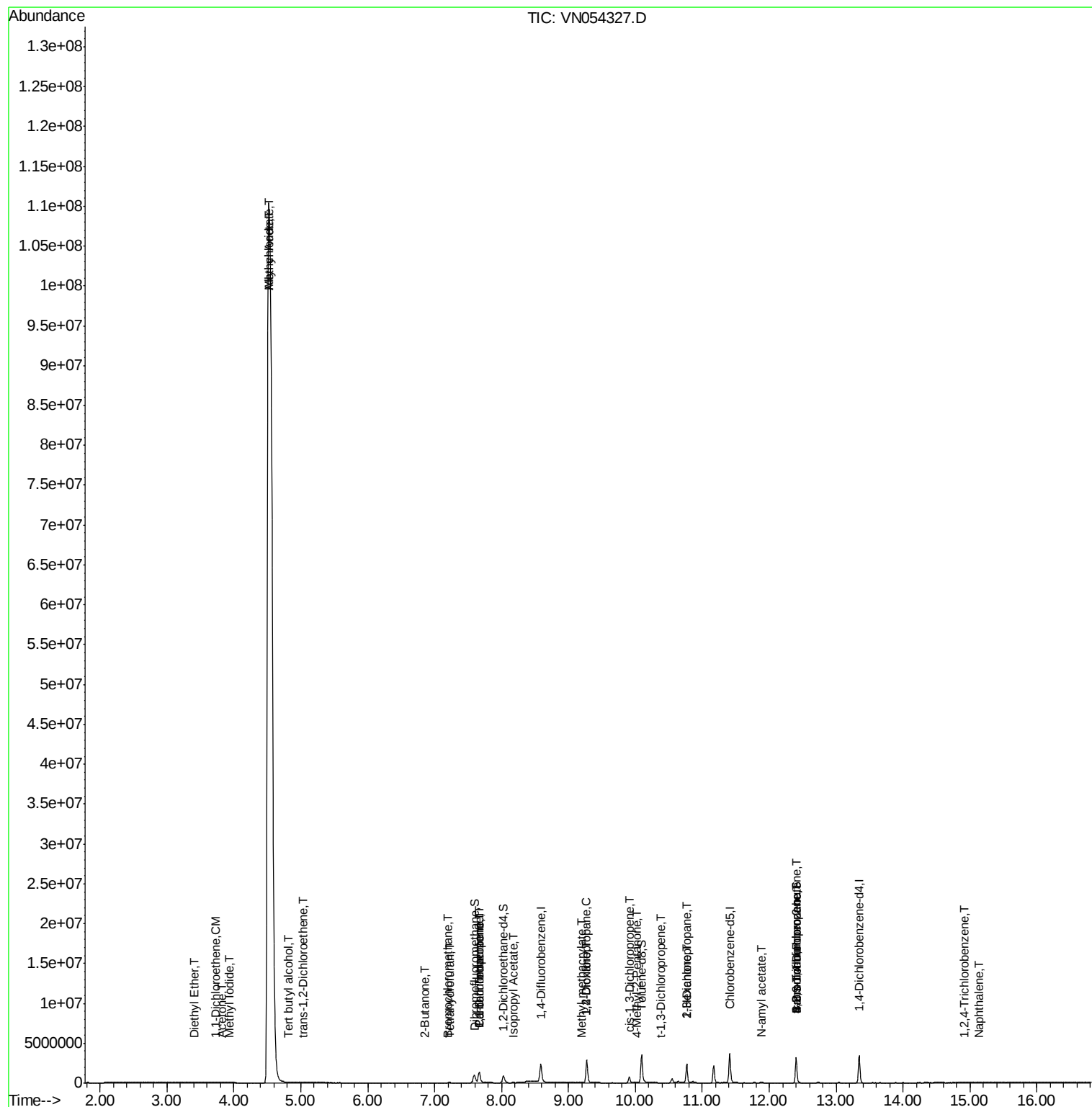
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	7016	0.822	ug/l	83
10) Methyl Iodide	3.93	142	143	1.504	ug/l #	45
11) Tert butyl alcohol	4.82	59	460	0.472	ug/l #	70
12) 1,1-Dichloroethene	3.74	96	4271	0.307	ug/l #	59
14) Allyl chloride	4.51	41	2189562	122.642	ug/l #	21
16) Acetone	3.82	43	33749	8.286	ug/l	99
18) Methyl Acetate	4.51	43	215052	26.099	ug/l #	1
21) trans-1,2-Dichloroethene	5.04	96	4455	0.334	ug/l #	79
25) 2-Butanone	6.86	43	3897	0.815	ug/l #	72
28) Bromochloromethane	7.19	49	2432	0.260	ug/l #	1
29) Tetrahydrofuran	7.23	42	2274	0.740	ug/l #	68
31) Cyclohexane	7.67	56	19901	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	75926	3.603	ug/l #	48
38) Carbon Tetrachloride	7.67	117	105555	4.777	ug/l #	16
43) Isopropyl Acetate	8.17	43	28558	1.344	ug/l #	92
45) 1,2-Dichloropropane	9.27	63	3522	0.235	ug/l #	43
48) Methyl methacrylate	9.18	41	15742	1.460	ug/l #	25
49) 1,4-Dioxane	9.27	88	411	2.694	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	15995	1.422	ug/l #	36
53) t-1,3-Dichloropropene	10.38	75	84	1.989	ug/l #	1
54) cis-1,3-Dichloropropene	9.91	75	144420	6.111	ug/l #	61
57) 1,3-Dichloropropane	10.77	76	27207	1.192	ug/l #	44
59) 2-Hexanone	10.77	43	341380	45.615	ug/l #	51
71) Bromoform	12.40	173	6795	2.791	ug/l #	1
74) N-amyl acetate	11.88	43	32344	1.798	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	517539	34.742	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	517539	118.763	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	521	2.540	ug/l	91
95) Naphthalene	15.14	128	22838	3.948	ug/l	98

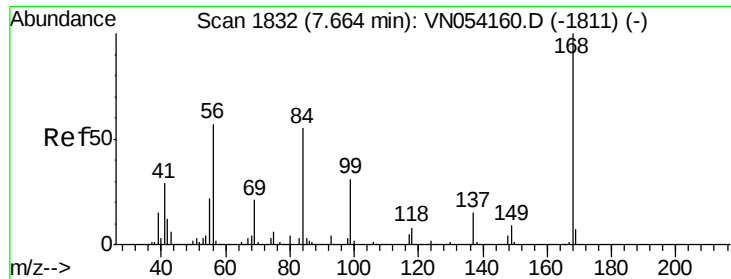
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

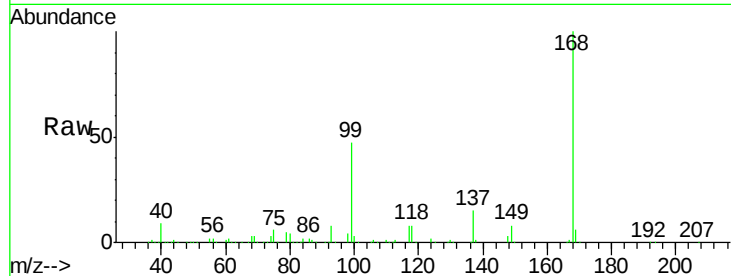
TP-4

Tot Ion:168 Resp: 1339402

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

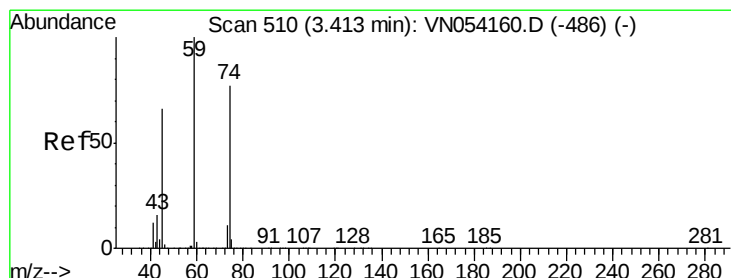
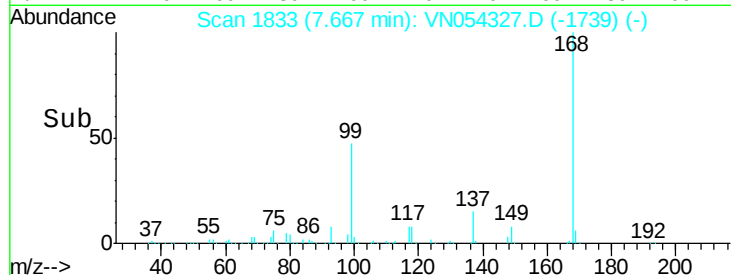
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#8

Diethyl Ether

Concen: 0.822 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN054327.D

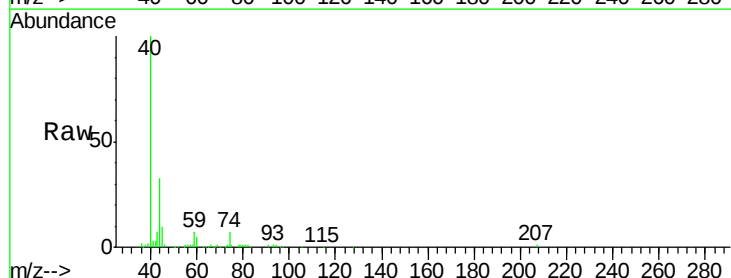
Acq: 15 Mar 2019 23:18

Tgt Ion: 74 Resp: 7016

Ion Ratio Lower Upper

74 100

45 101.5 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.42

5000

4000

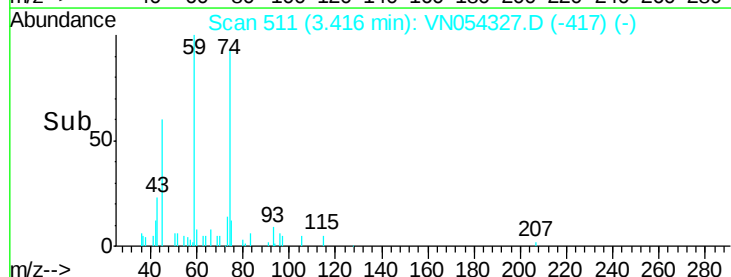
3000

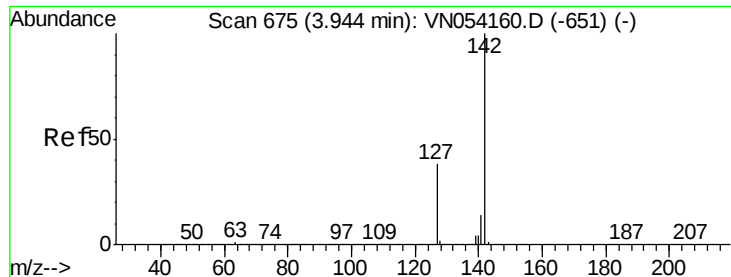
2000

1000

0

Time--> 3.35 3.40 3.45 3.50

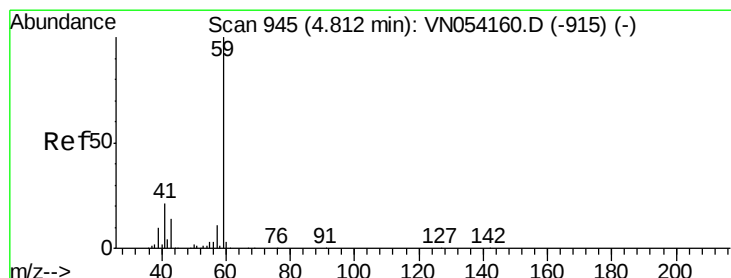
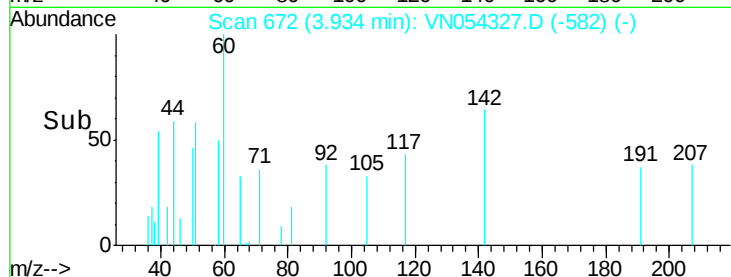
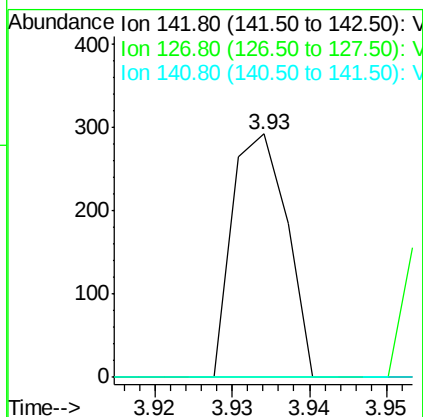
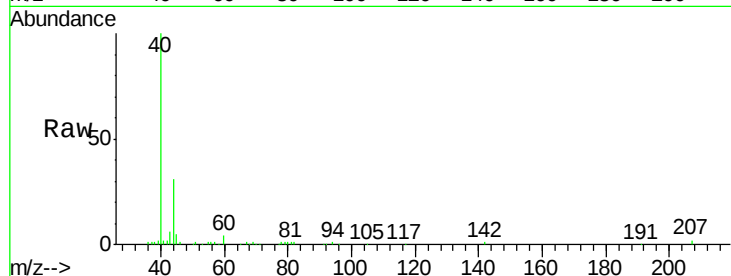




#10
Methvl Iodide
Concen: 1.504 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.01 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

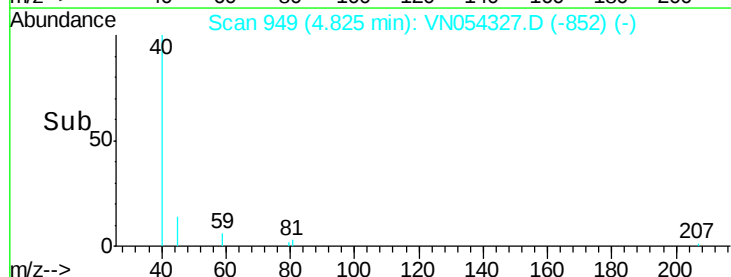
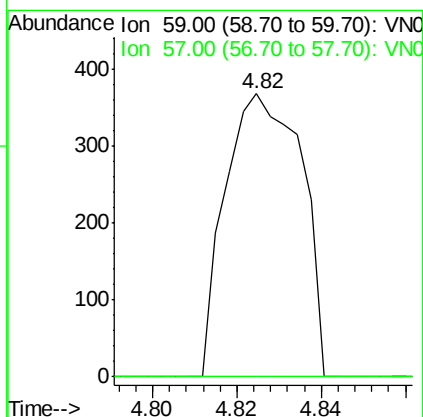
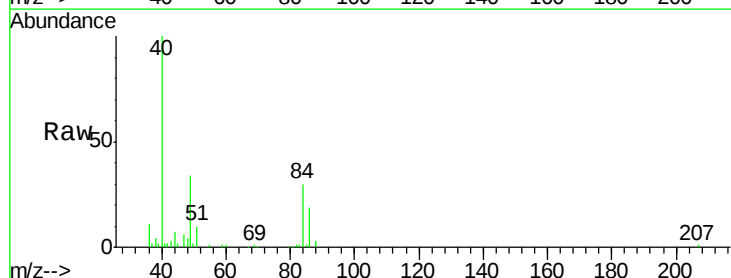
Instrument :
MSVOA_N
ClientSampleId :
TP-4

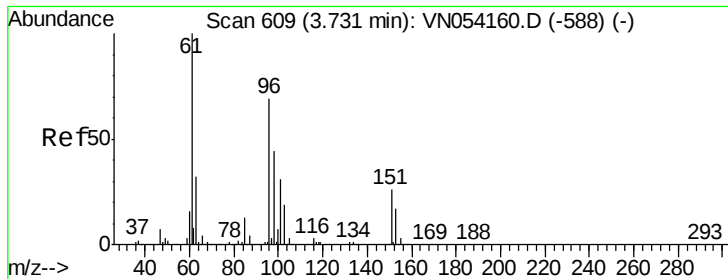
Tot Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.472 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

Tgt Ion: 59 Resp: 460
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#





#12

1,1-Dichloroethene

Concen: 0.307 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampled :

TP-4

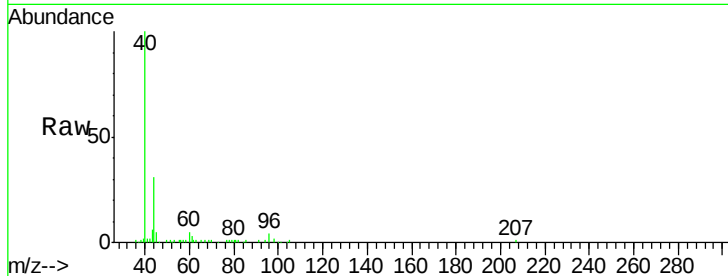
Tot Ion: 96 Resp: 4271

Ion Ratio Lower Upper

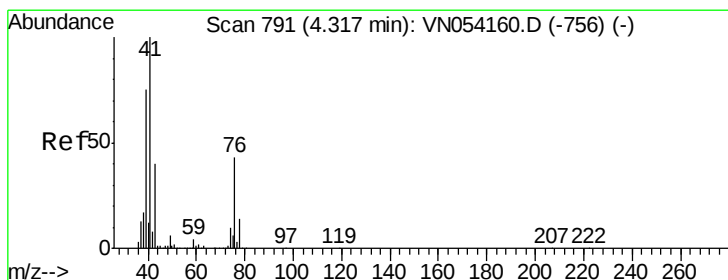
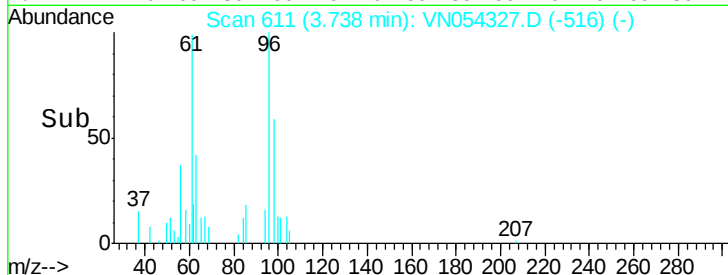
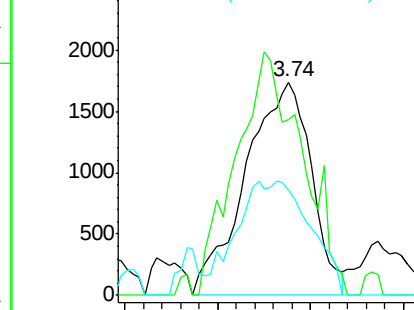
96 100

61 82.5 116.5 174.7#

98 49.2 51.0 76.4#



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



#14

Allyl chloride

Concen: 122.642 ug/l

RT: 4.51 min Scan# 852

Delta R.T. 0.20 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

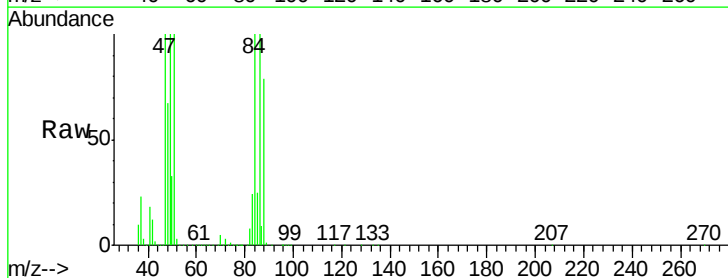
Tgt Ion: 41 Resp: 2189562

Ion Ratio Lower Upper

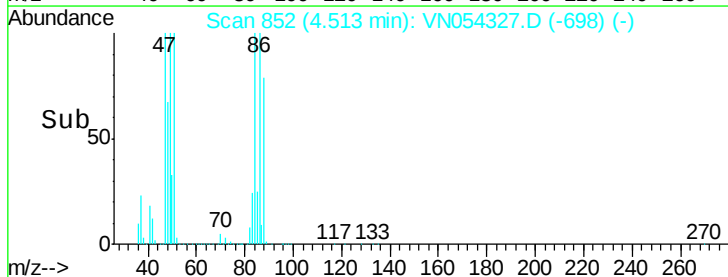
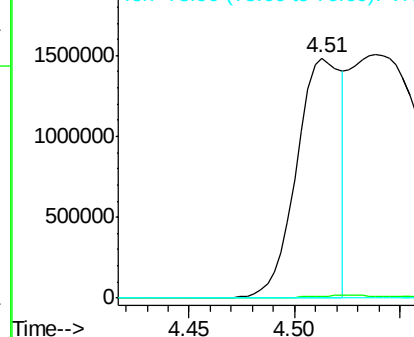
41 100

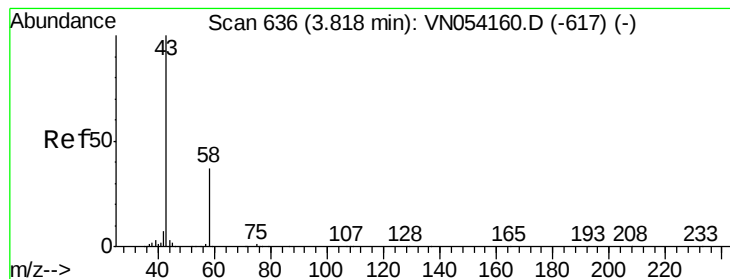
39 0.0 58.2 87.4#

76 0.0 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: 8.286 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampled :

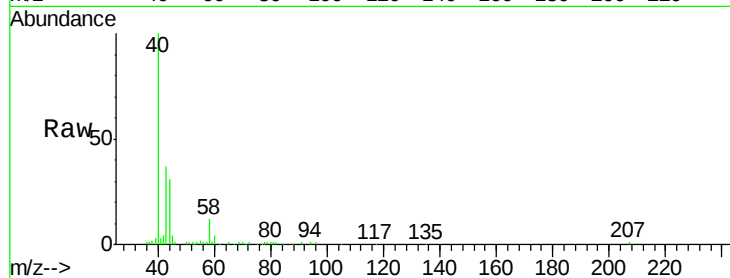
TP-4

Tot Ion: 43 Resp: 33749

Ion Ratio Lower Upper

43 100

58 37.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

15000

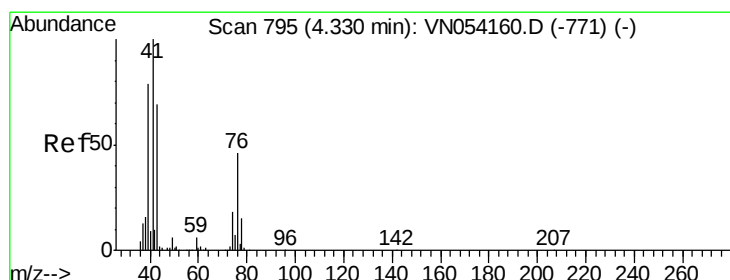
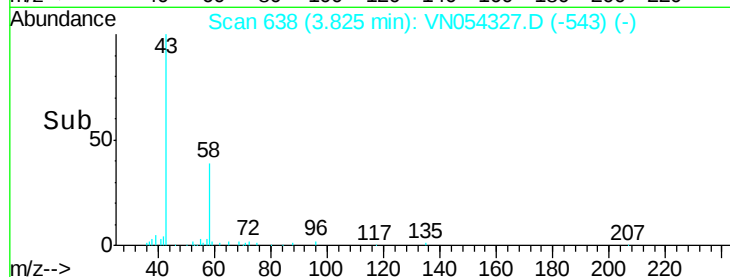
10000

5000

0

Time-->

3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 26.099 ug/l

RT: 4.51 min Scan# 852

Delta R.T. 0.18 min

Lab File: VN054327.D

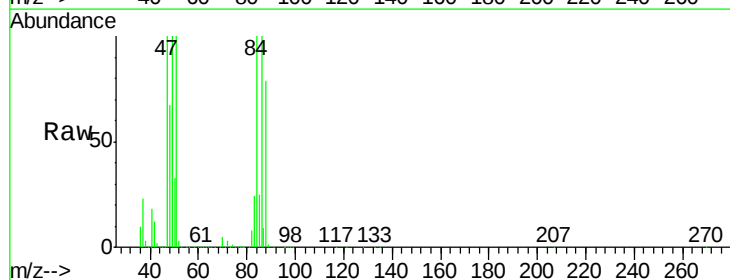
Acq: 15 Mar 2019 23:18

Tgt Ion: 43 Resp: 215052

Ion Ratio Lower Upper

43 100

74 84.9 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.51

200000

150000

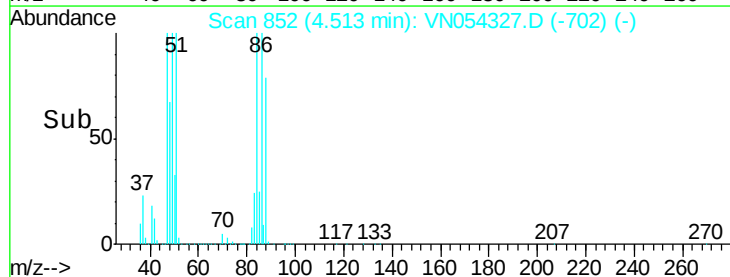
100000

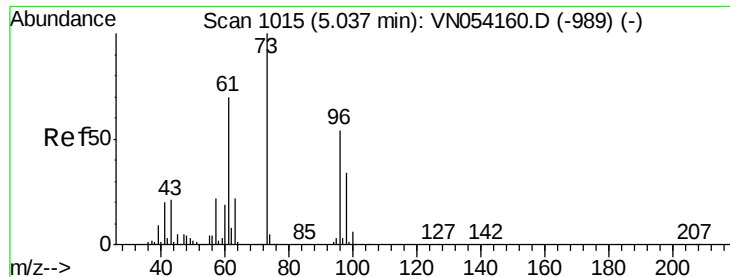
50000

0

Time-->

4.45 4.50





#21

trans-1,2-Dichloroethene

Concen: 0.334 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampled :

TP-4

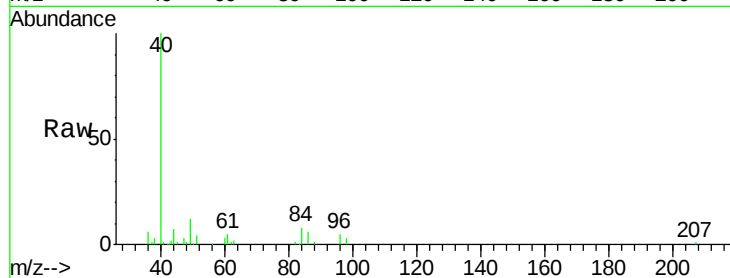
Tot Ion: 96 Resp: 4455

Ion Ratio Lower Upper

96 100

61 102.4 102.8 154.2#

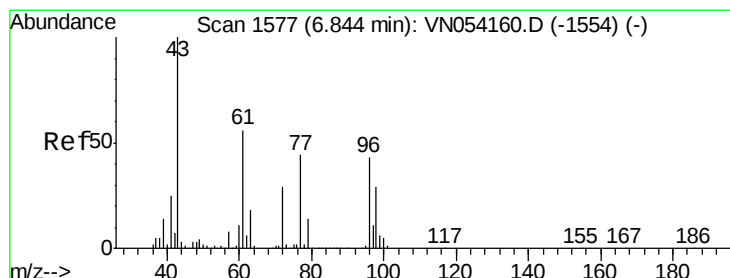
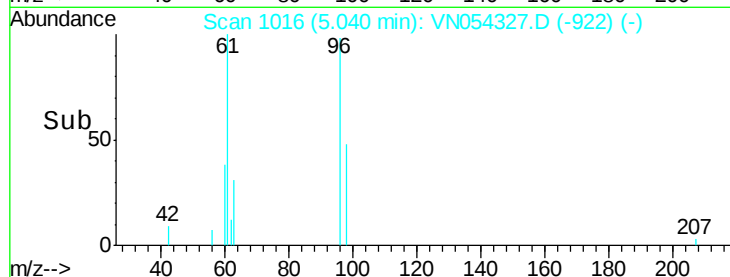
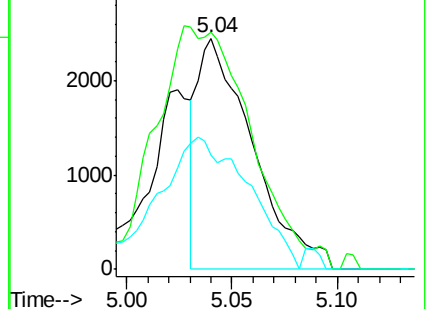
98 49.6 50.0 75.0#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#25

2-Butanone

Concen: 0.815 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN054327.D

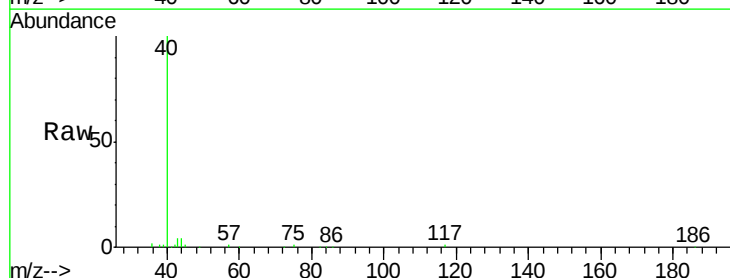
Acq: 15 Mar 2019 23:18

Tgt Ion: 43 Resp: 3897

Ion Ratio Lower Upper

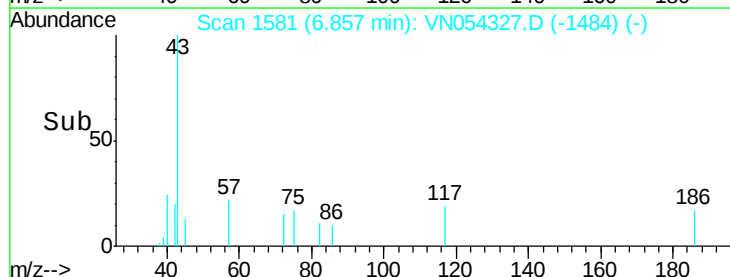
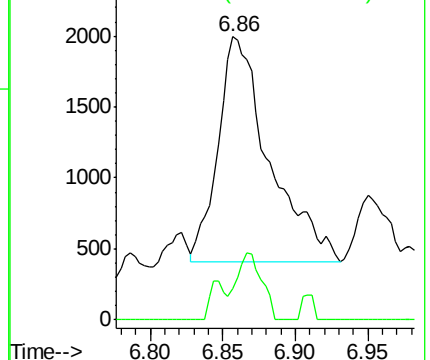
43 100

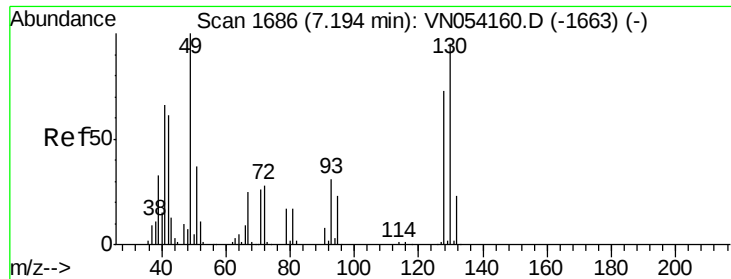
72 14.1 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#28

Bromochloromethane

Concen: 0.260 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampled :

TP-4

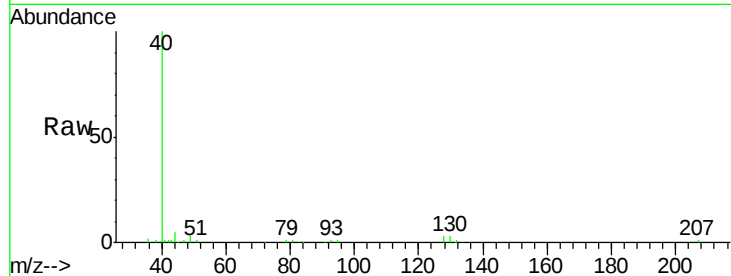
Tot Ion: 49 Resp: 2432

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

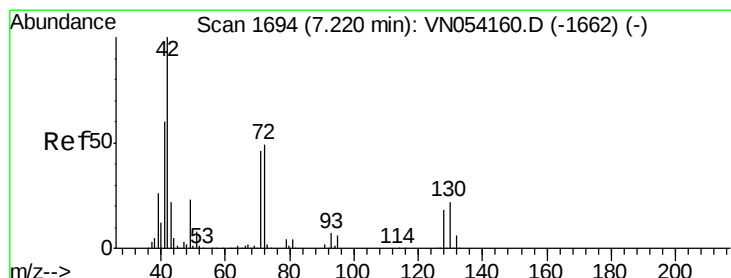
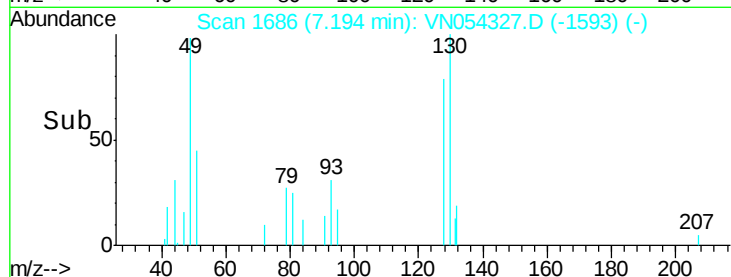
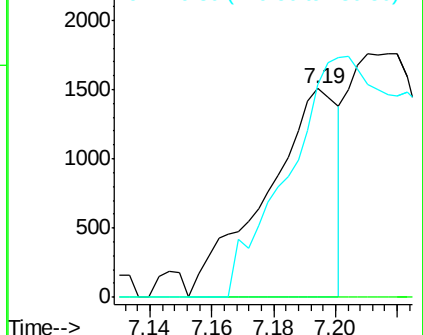
130 243.9 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0



#29

Tetrahydrofuran

Concen: 0.740 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

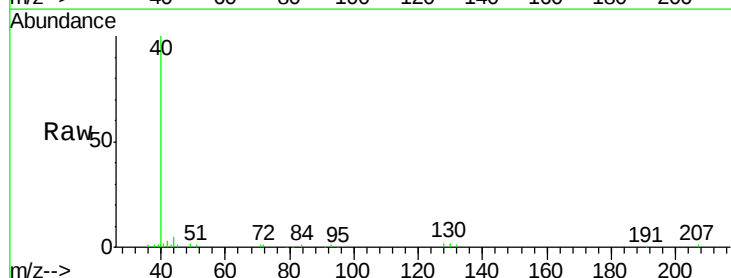
Tgt Ion: 42 Resp: 2274

Ion Ratio Lower Upper

42 100

72 13.3 37.8 56.6#

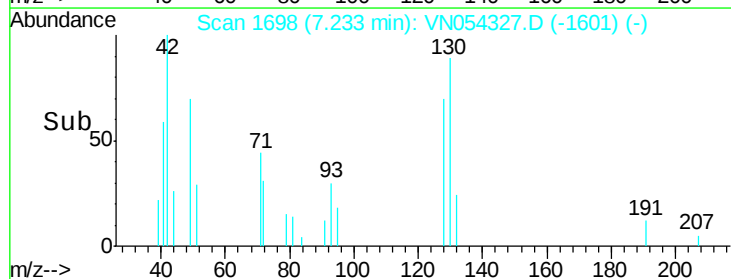
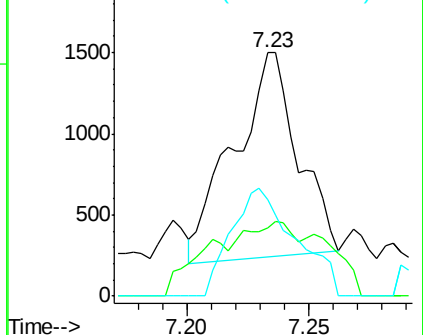
71 53.3 36.2 54.2

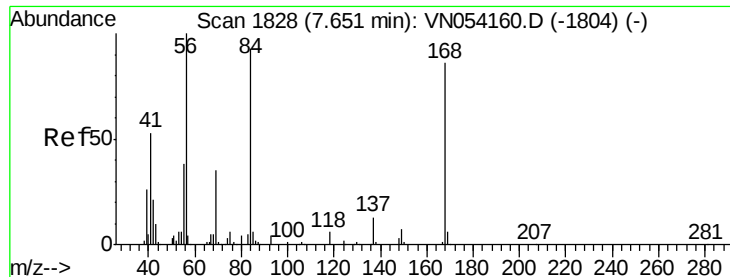


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

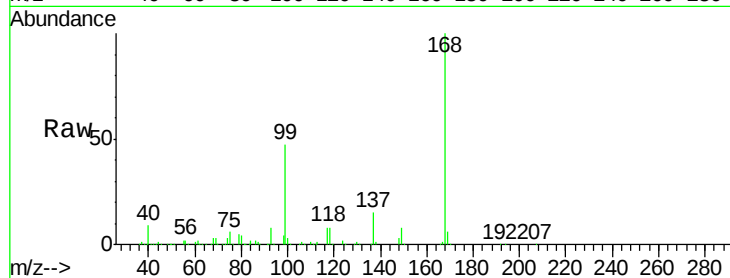




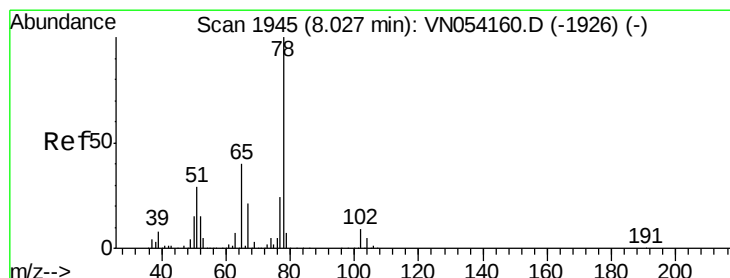
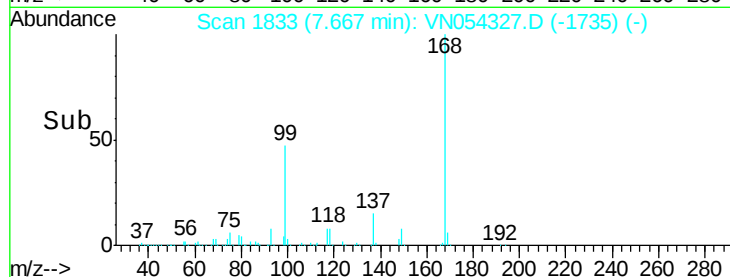
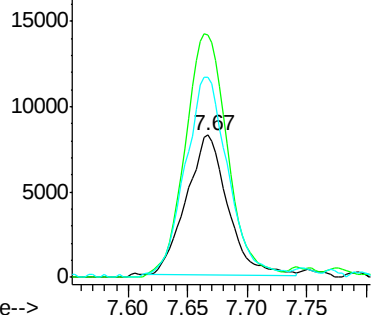
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 56 Resp: 19901
Ion Ratio Lower Upper
56 100
69 172.6 27.8 41.6#
84 141.2 74.6 111.8#

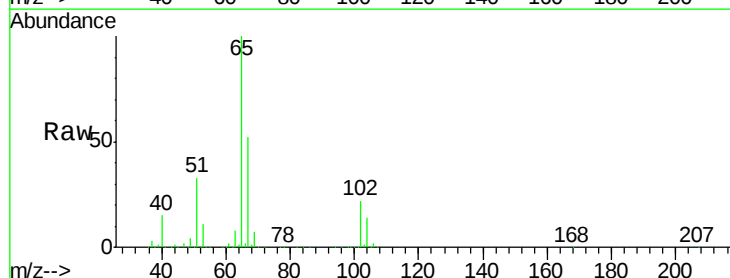


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

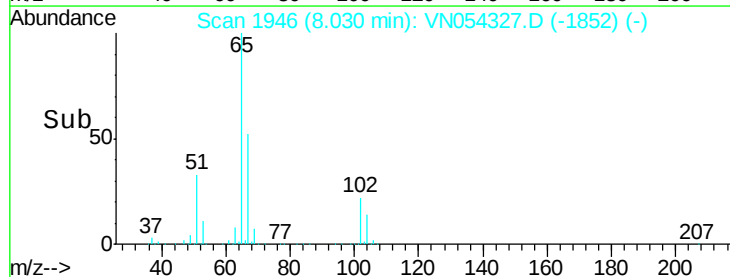
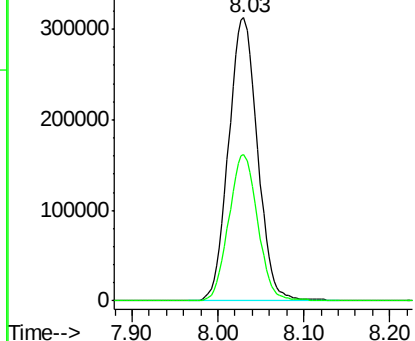


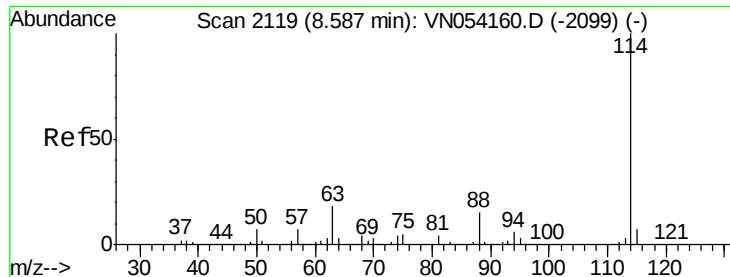
#33
1,2-Dichloroethane-d4
Concen: 51.533 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

Tgt Ion: 65 Resp: 733032
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

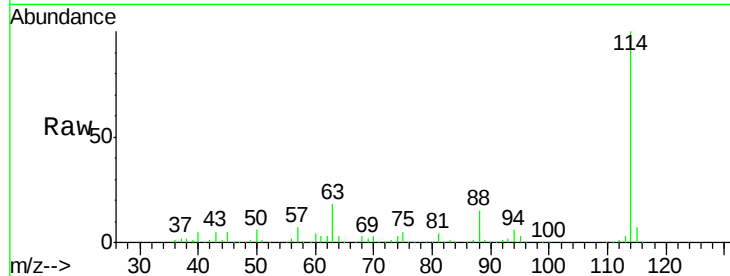




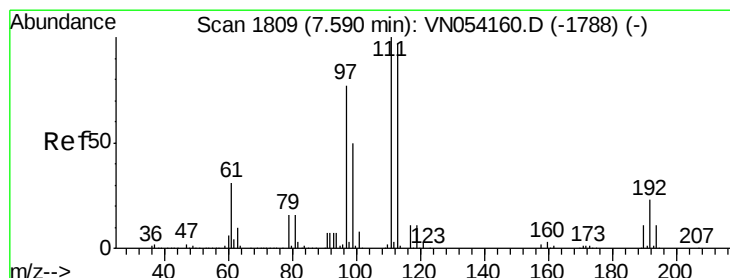
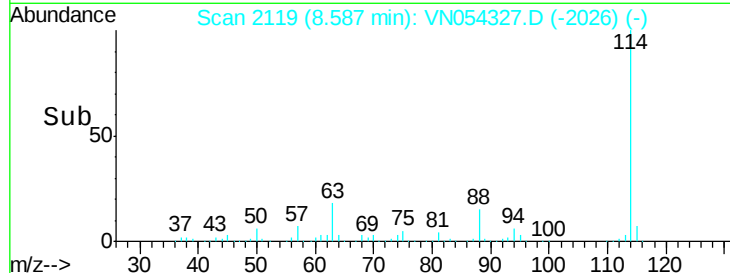
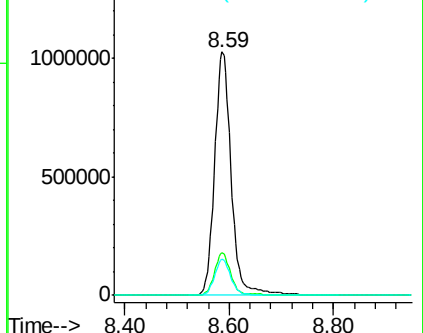
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054327.D
 Acq: 15 Mar 2019 23:18

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

Tot Ion:114 Resp: 2288230
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 14.8 0.0 30.2

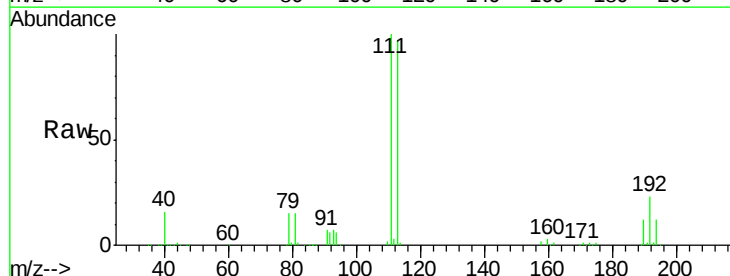


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

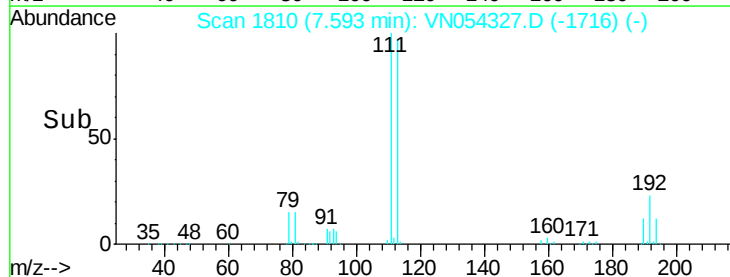
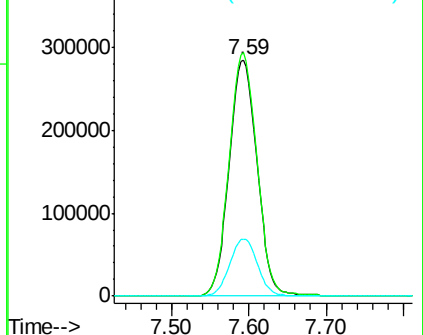


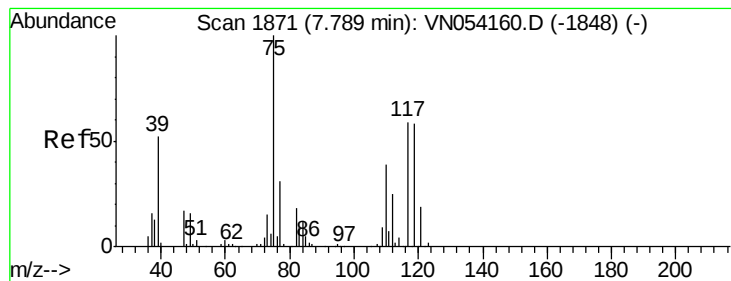
#35
 Dibromofluoromethane
 Concen: 48.352 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054327.D
 Acq: 15 Mar 2019 23:18

Tgt Ion:113 Resp: 713591
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 24.1 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.603 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampled :

TP-4

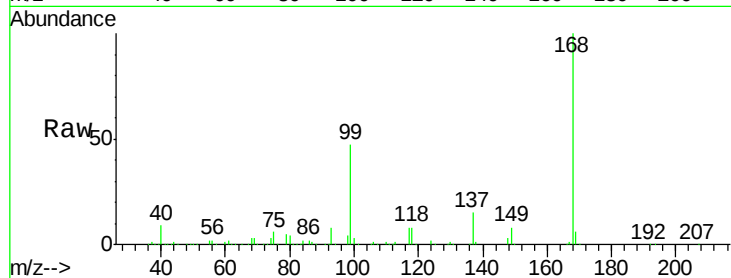
Tot Ion: 75 Resp: 75926

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.5#

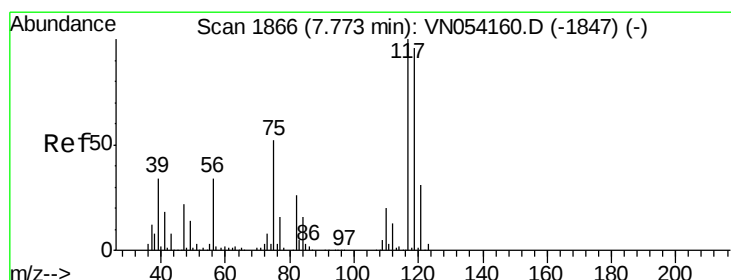
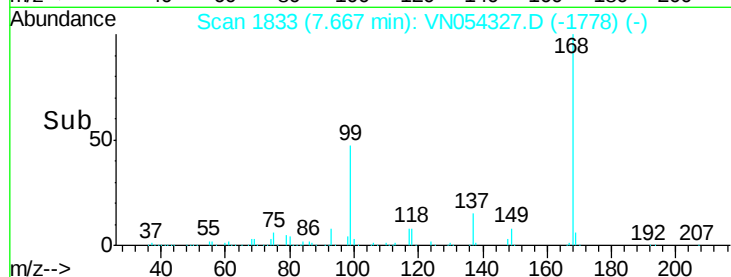
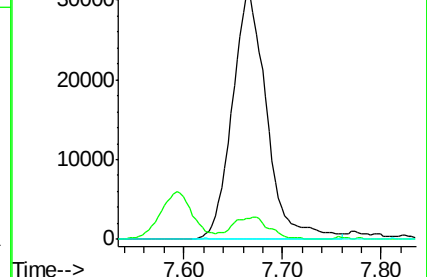
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN054160.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 4.777 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

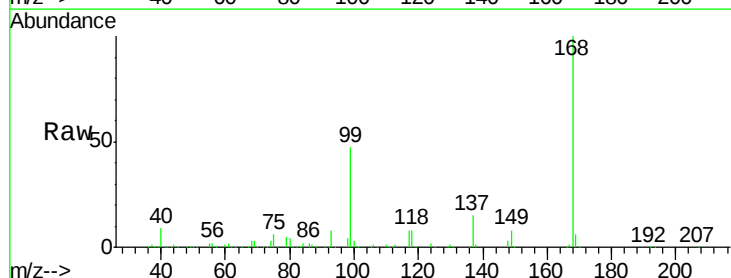
Tgt Ion: 117 Resp: 105555

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

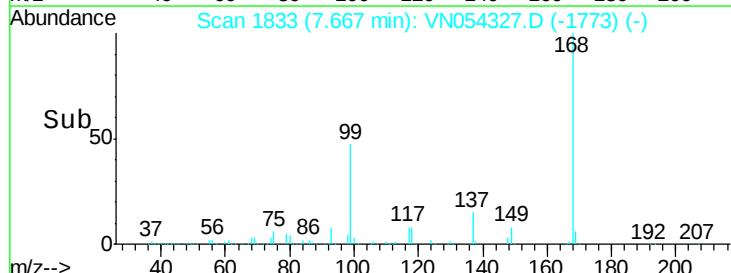
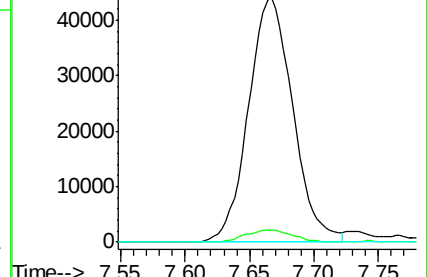
121 0.0 24.6 36.8#

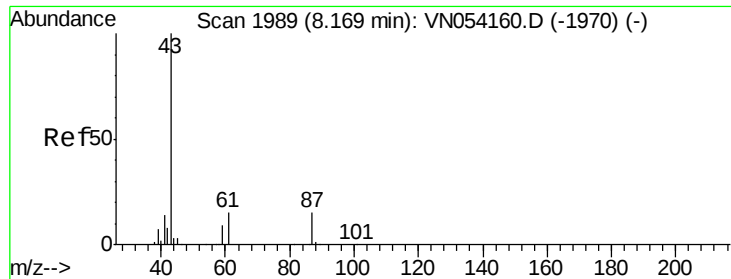


Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN054160.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054160.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 1.344 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

TP-4

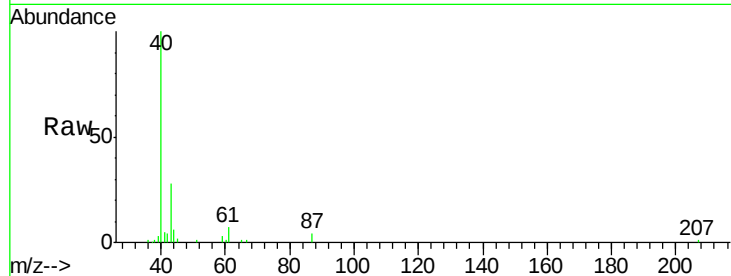
Tot Ion: 43 Resp: 28558

Ion Ratio Lower Upper

43 100

61 25.8 15.8 23.8#

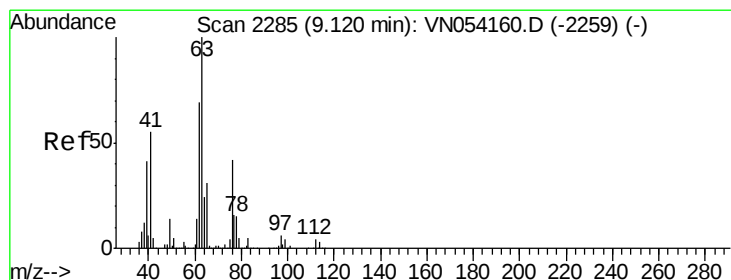
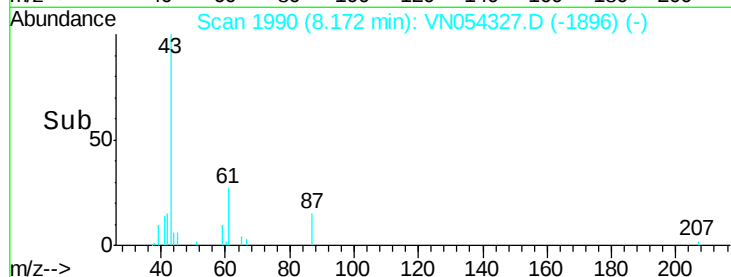
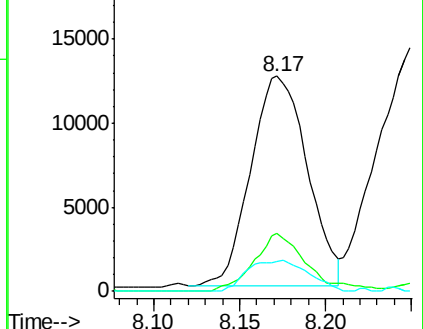
87 15.8 12.0 18.0



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: 0.235 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN054327.D

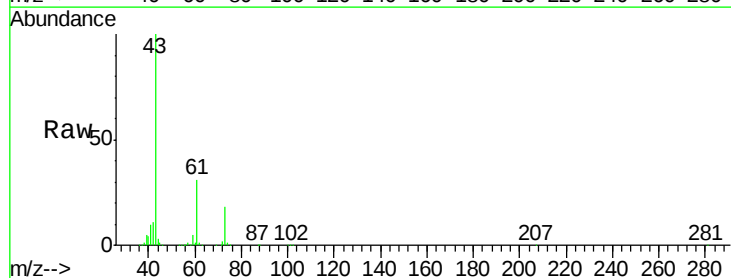
Acq: 15 Mar 2019 23:18

Tgt Ion: 63 Resp: 3522

Ion Ratio Lower Upper

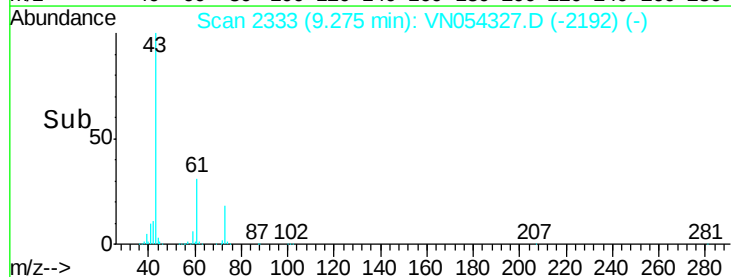
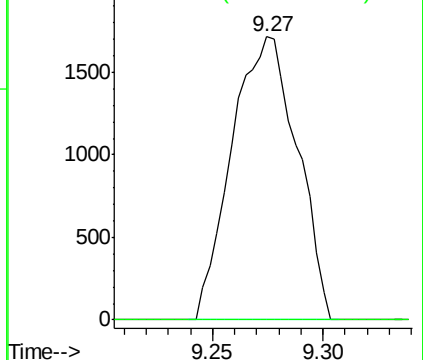
63 100

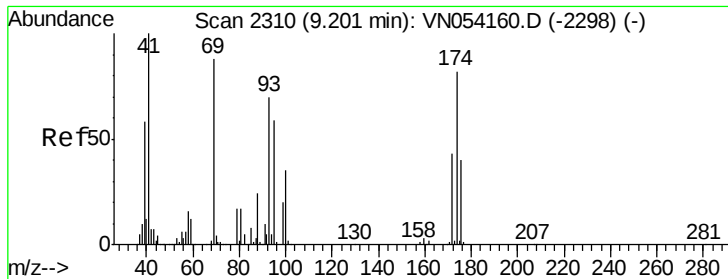
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

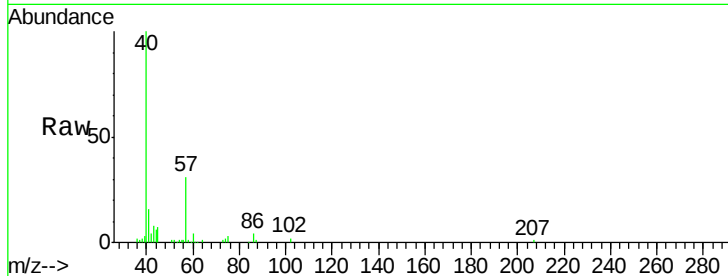




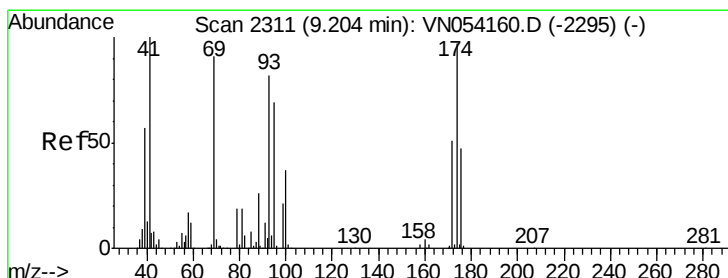
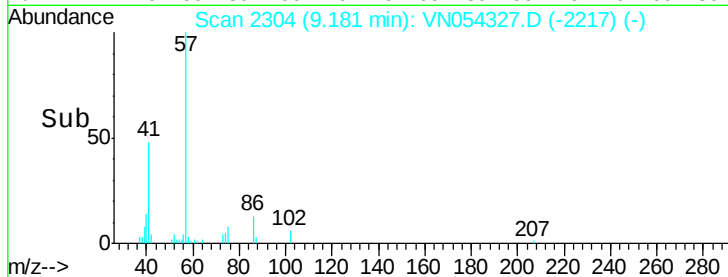
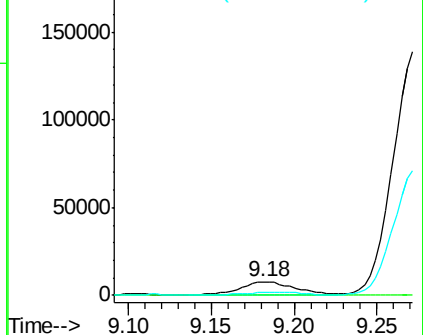
#48
Methvl methacrylate
Concen: 1.460 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tot Ion: 41 Resp: 15742
Ion Ratio Lower Upper
41 100
69 0.7 72.6 108.8#
39 26.5 47.5 71.3#

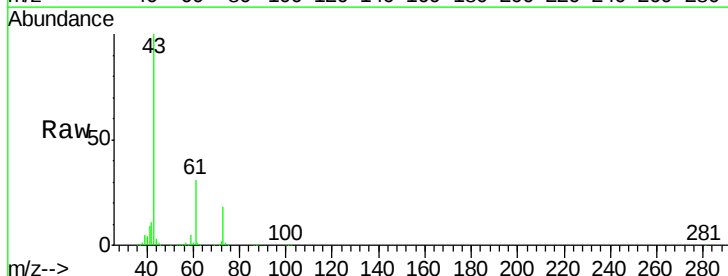


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

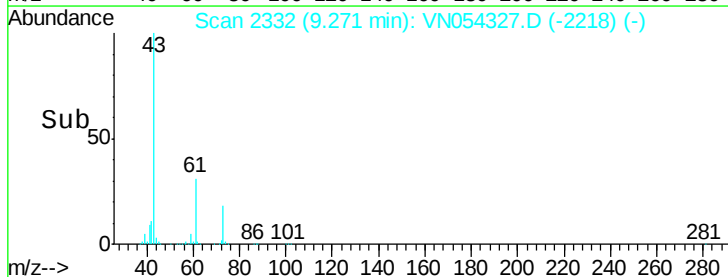
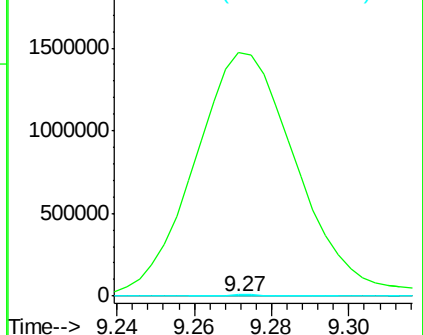


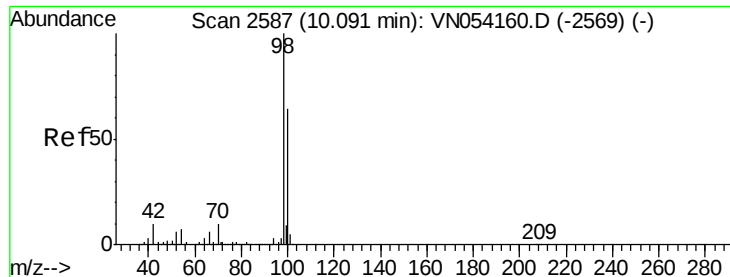
#49
1,4-Dioxane
Concen: 2.694 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

Tgt Ion: 88 Resp: 411
Ion Ratio Lower Upper
88 100
43 688323.8 24.1 36.1#
58 3142.8 50.8 76.2#



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: 51.739 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

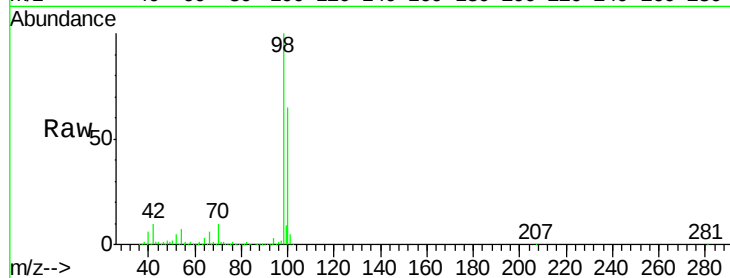
TP-4

Tot Ion: 98 Resp: 2819961

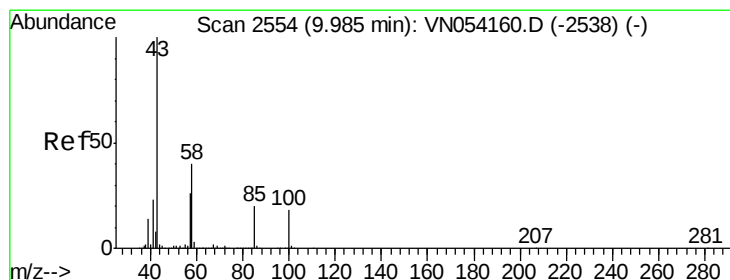
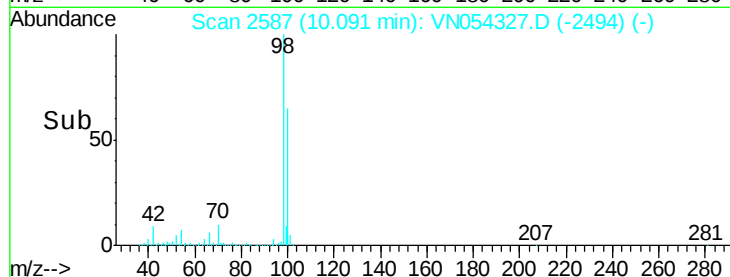
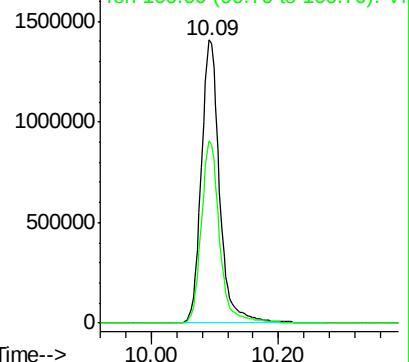
Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.422 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054327.D

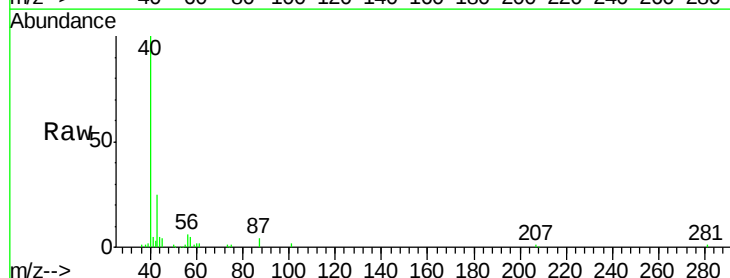
Acq: 15 Mar 2019 23:18

Tgt Ion: 43 Resp: 15995

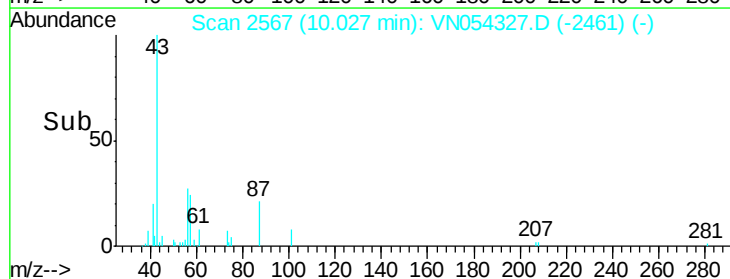
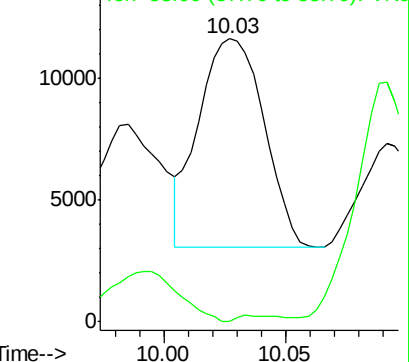
Ion Ratio Lower Upper

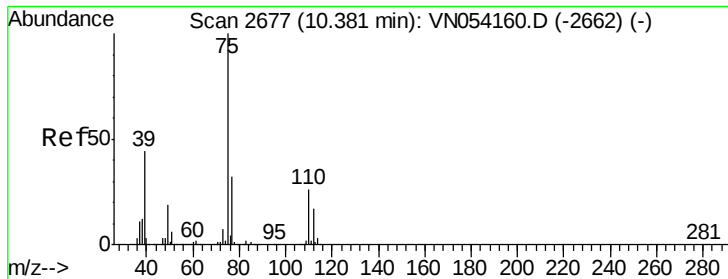
43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)





#53

t-1,3-Dichloropropene

Concen: 1.989 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

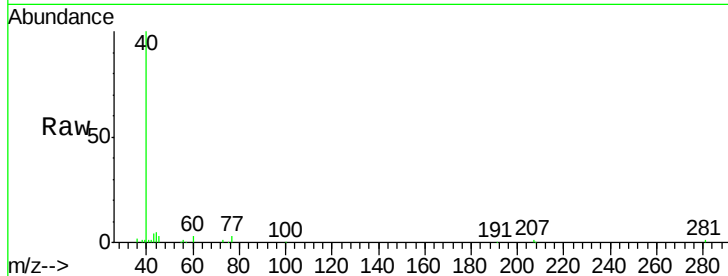
TP-4

Tot Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

77 178.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

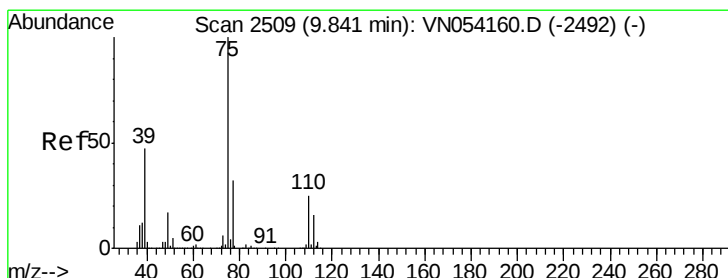
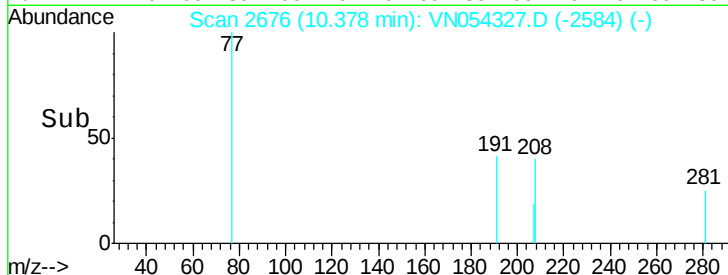
1500

1000

500

0

Time--> 10.36 10.37 10.38



#54

cis-1,3-Dichloropropene

Concen: 6.111 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

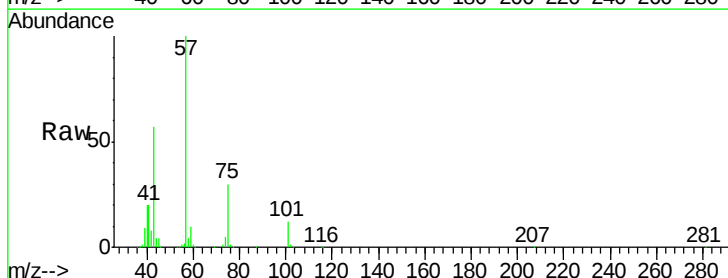
Tgt Ion: 75 Resp: 144420

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

39 28.8 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

100000

80000

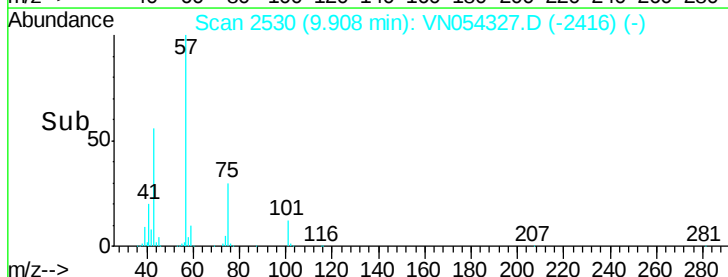
60000

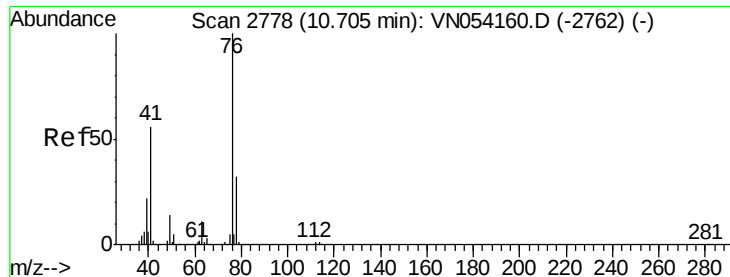
40000

20000

0

Time--> 9.90 9.91 10.00

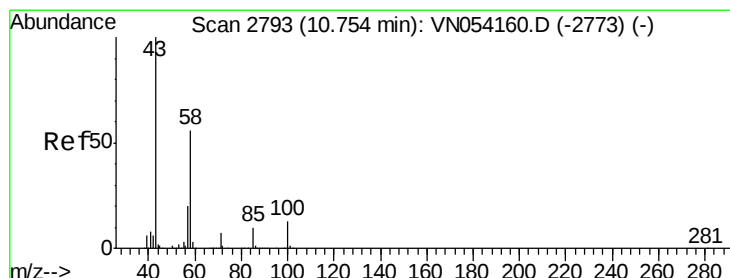
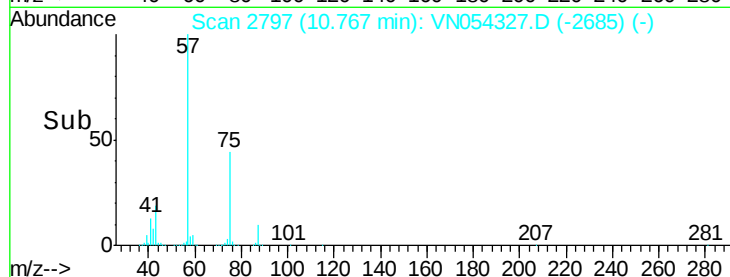
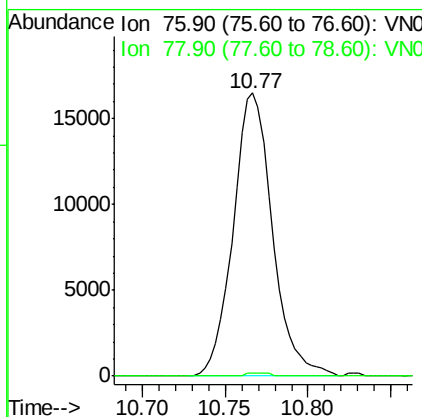
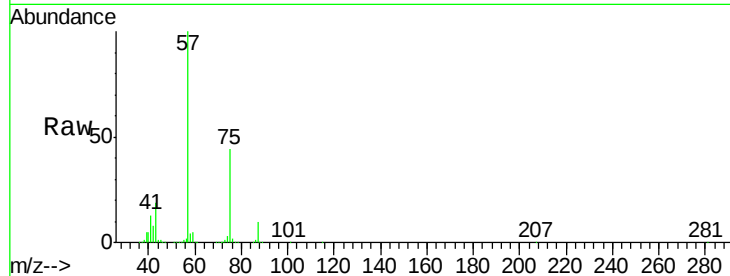




#57
 1,3-Dichloropropane
 Concen: 1.192 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054327.D
 Acq: 15 Mar 2019 23:18

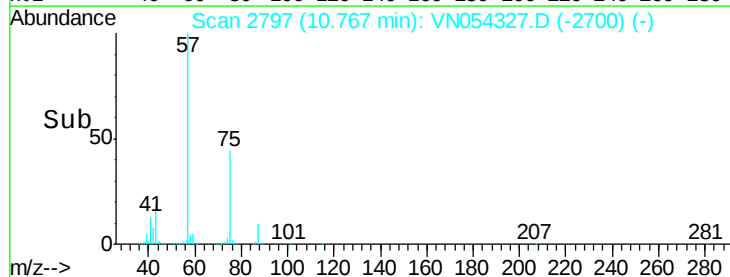
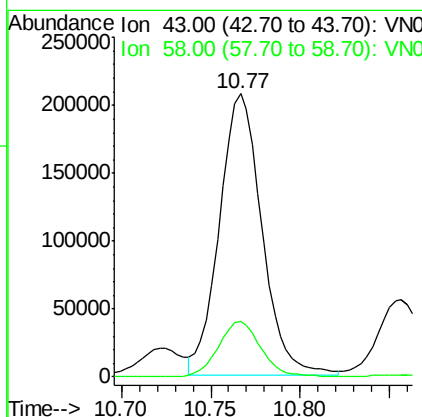
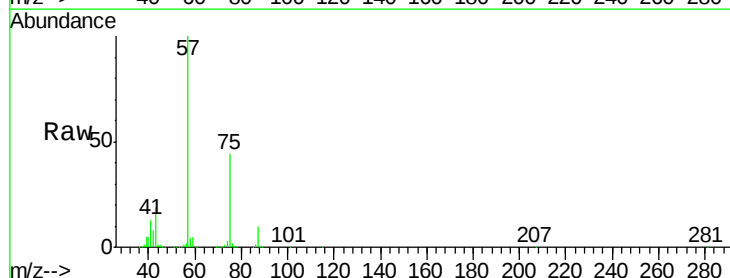
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

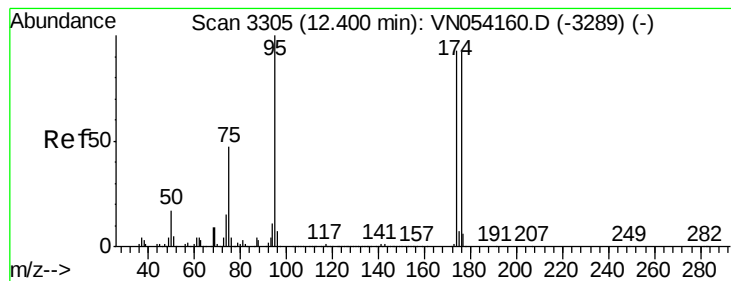
Tot Ion: 76 Resp: 27207
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.7 38.5#



#59
 2-Hexanone
 Concen: 45.615 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054327.D
 Acq: 15 Mar 2019 23:18

Tgt Ion: 43 Resp: 341380
 Ion Ratio Lower Upper
 43 100
 58 20.0 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 56.716 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampled :

TP-4

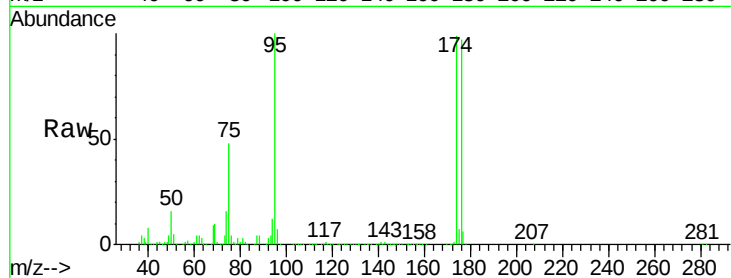
Tot Ion: 95 Resp: 1081622

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

176 96.0 0.0 187.4

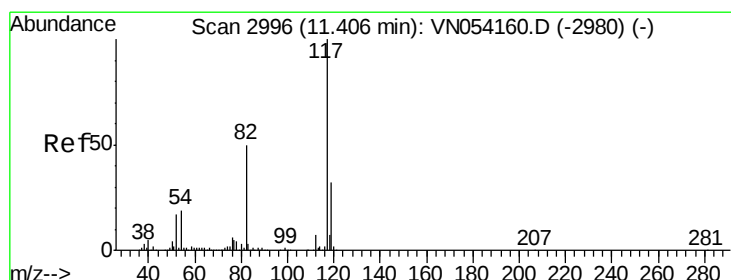
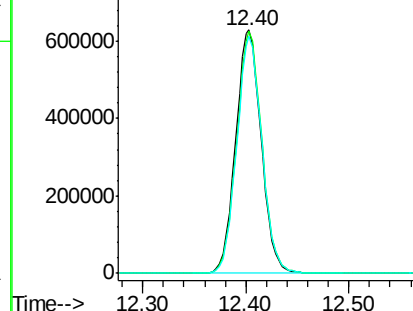
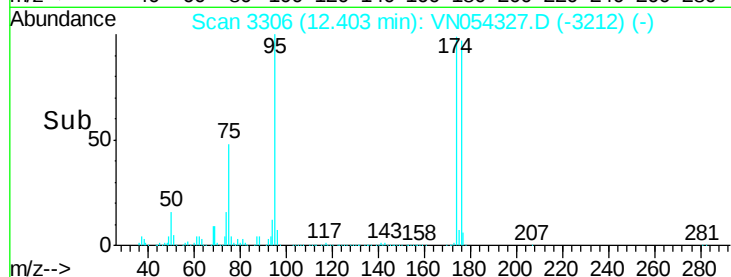


Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

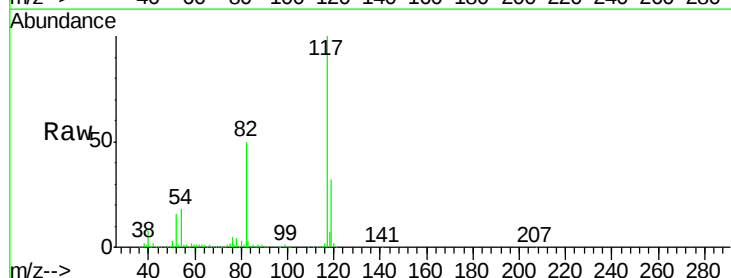
Tgt Ion: 117 Resp: 2417390

Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.3 25.8 38.6

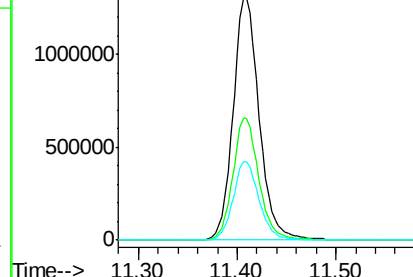
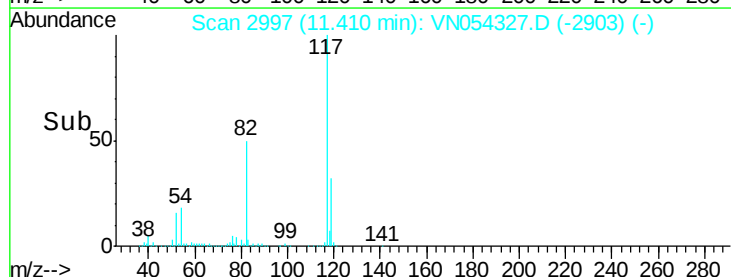


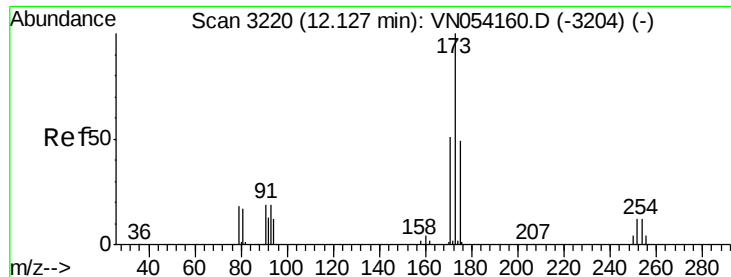
Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)

Time-->





#71

Bromoform

Concen: 2.791 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

TP-4

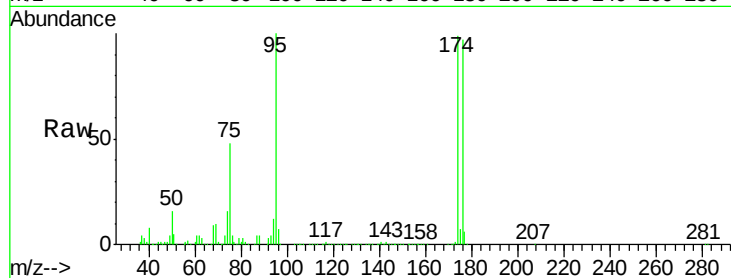
Tot Ion:173 Resp: 6795

Ion Ratio Lower Upper

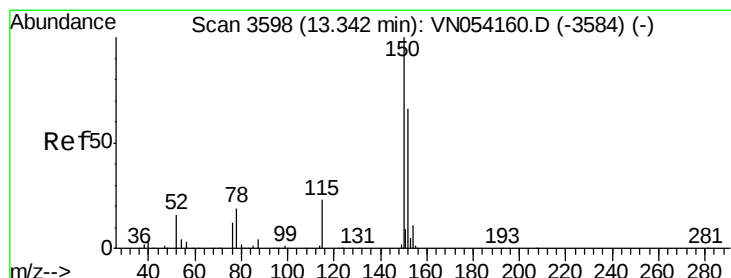
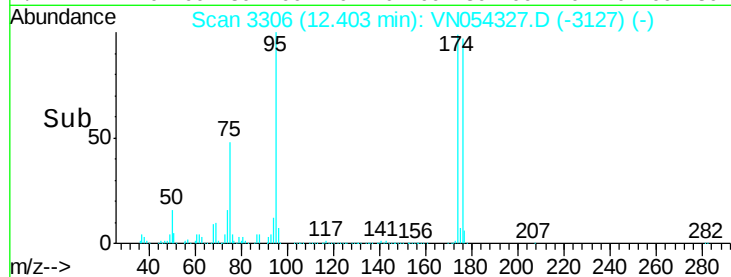
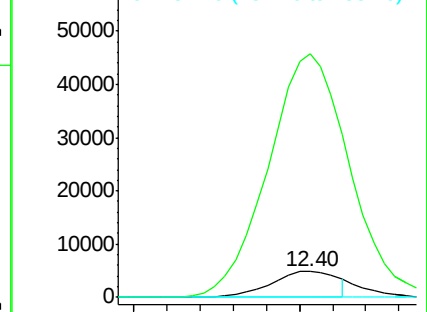
173 100

175 966.9 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: VN054327.D

Acq: 15 Mar 2019 23:18

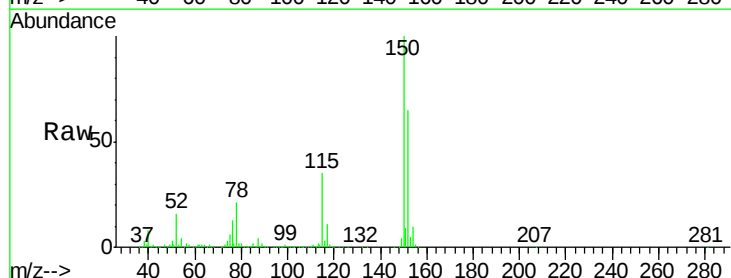
Tgt Ion:152 Resp: 1013004

Ion Ratio Lower Upper

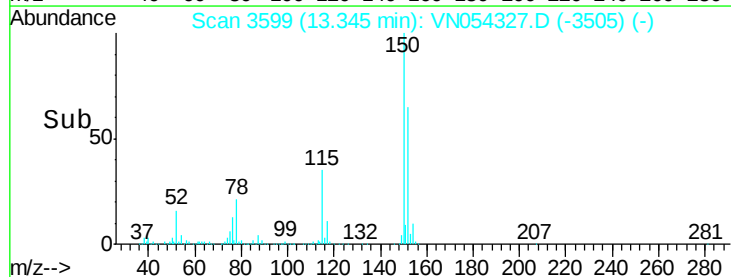
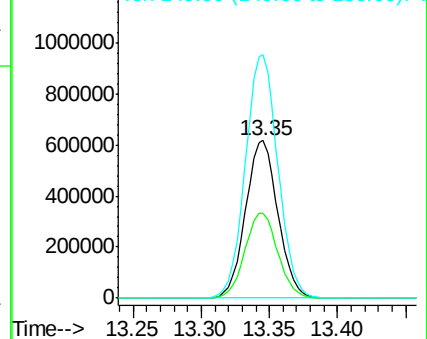
152 100

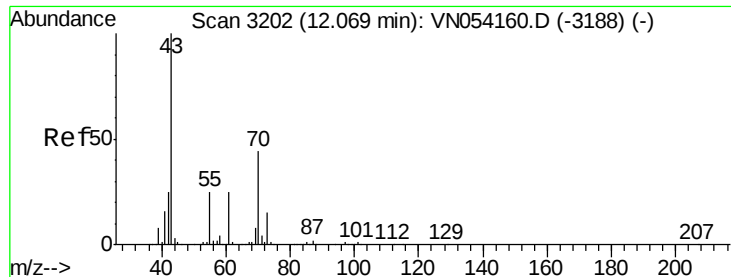
115 54.7 27.2 81.6

150 155.5 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





#74

N-amyl acetate

Concen: 1.798 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion: 43 Resp: 32344

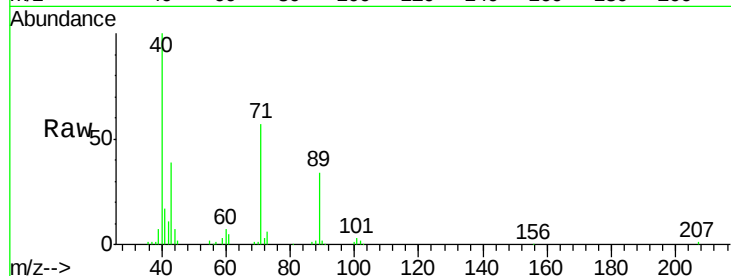
Ion Ratio Lower Upper

43 100

70 2.5 35.4 53.0#

55 4.6 19.8 29.6#

61 11.5 19.8 29.6#

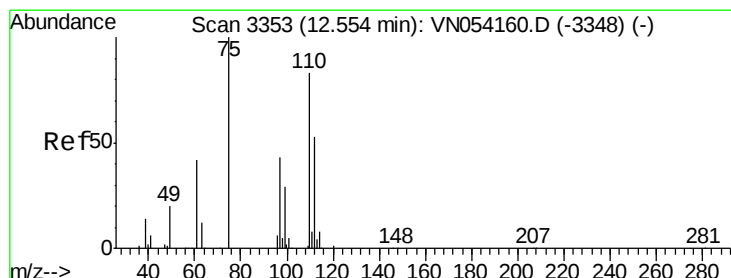
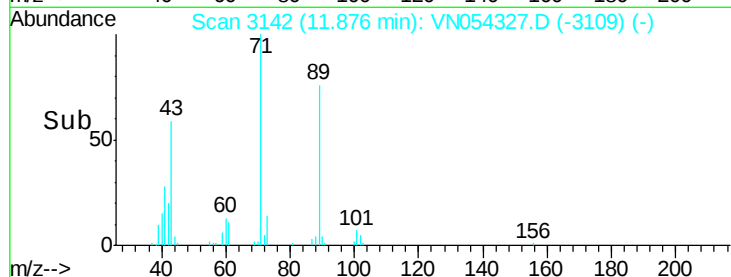
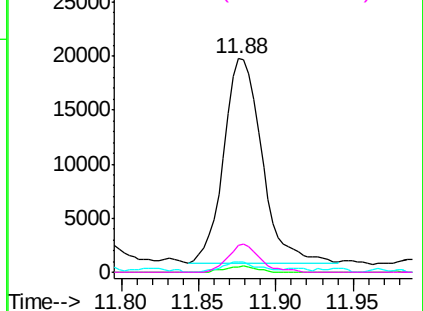


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 34.742 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054327.D

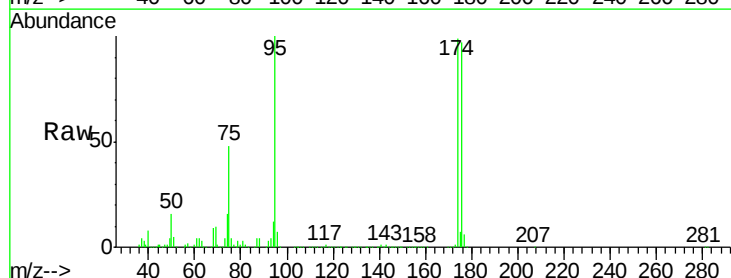
Acq: 15 Mar 2019 23:18

Tgt Ion: 75 Resp: 517539

Ion Ratio Lower Upper

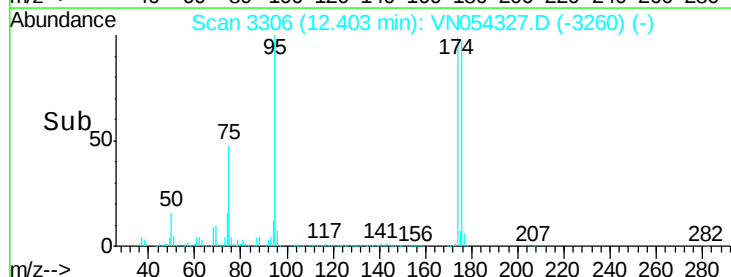
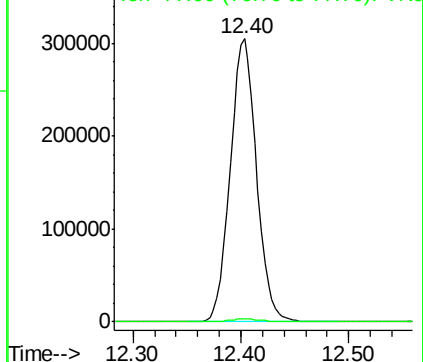
75 100

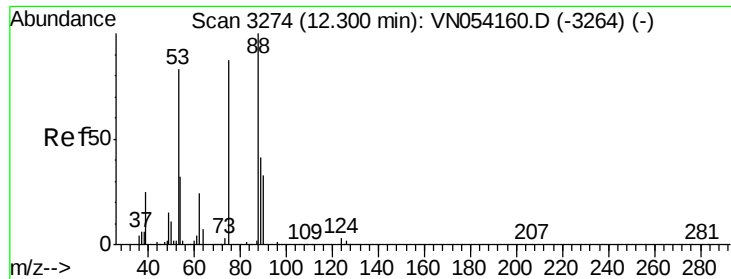
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

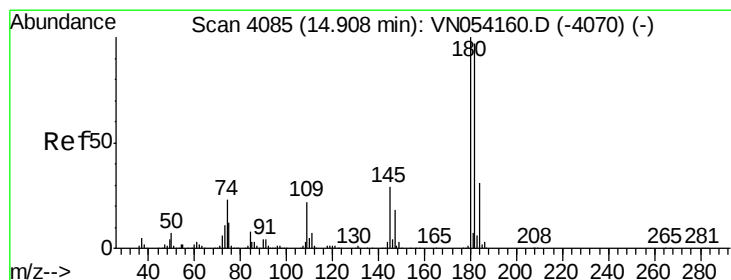
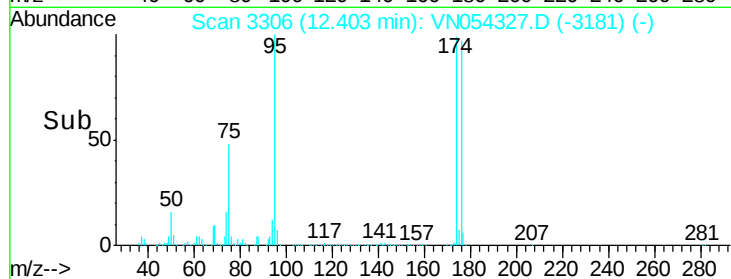
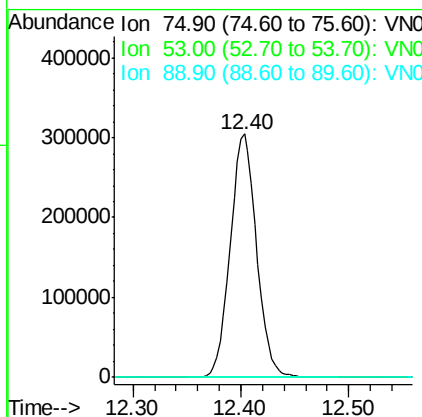
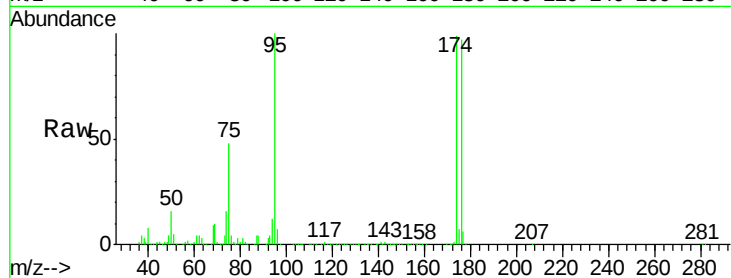




#81
trans-1,4-Dichloro-2-butene
Concen: 118.763 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

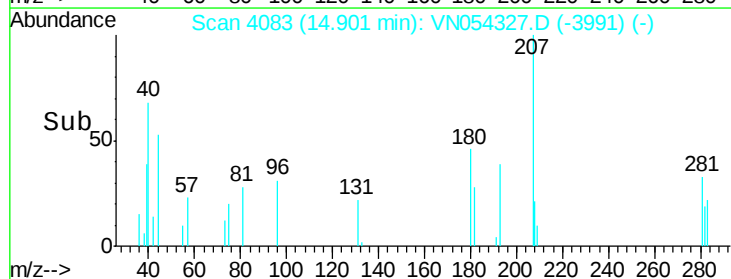
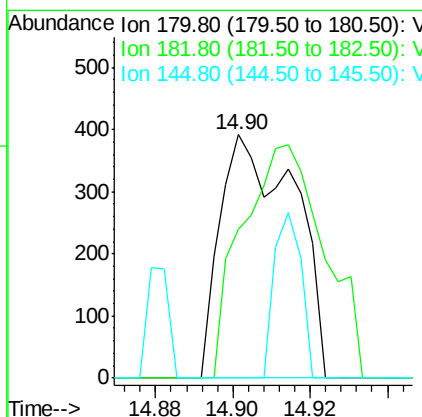
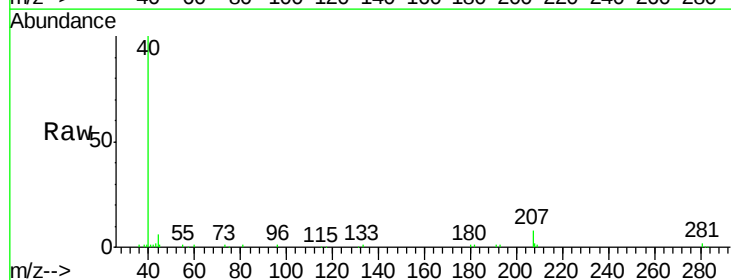
Instrument :
MSVOA_N
ClientSampled :
TP-4

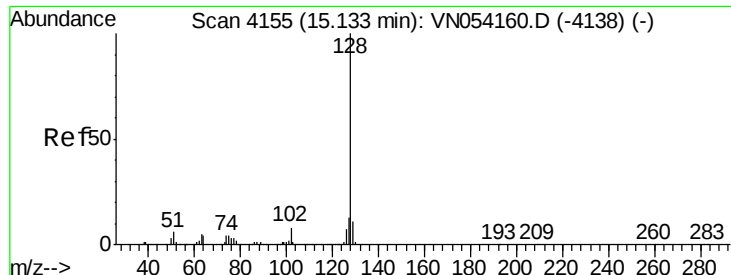
Tot Ion: 75 Resp: 517539
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.540 ug/l
RT: 14.90 min Scan# 4083
Delta R.T. -0.01 min
Lab File: VN054327.D
Acq: 15 Mar 2019 23:18

Tgt Ion:180 Resp: 521
Ion Ratio Lower Upper
180 100
182 105.8 48.0 144.2
145 24.8 14.2 42.8





#95

Naphthalene

Concen: 3.948 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054327.D

Acq: 15 Mar 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

TP-4

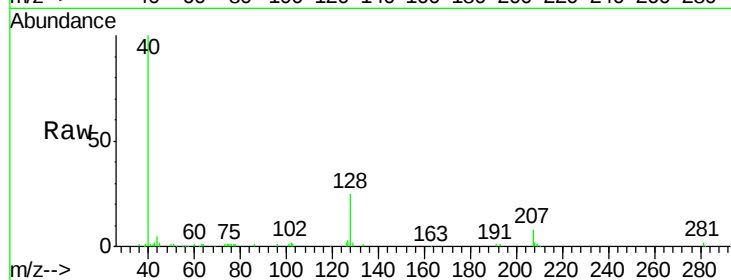
Tot Ion:128 Resp: 22838

Ion Ratio Lower Upper

128 100

127 11.5 10.1 15.1

129 10.3 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

