

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058471.D
 Acq On : 1 Oct 2019 18:53
 Operator : JC/SP
 Sample : K5110-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Oct 02 01:30:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	344132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	554401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	248112	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.57	113	177403	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.09	98	705217	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.41	95	216652	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds

						Qvalue
3) Chloromethane	2.04	50	3370	0.812	ug/l	99
4) Vinyl Chloride	2.17	62	110710	27.243	ug/l	99
6) Chloroethane	2.69	64	120235	49.379	ug/l	98
11) Tert butyl alcohol	4.76	59	10356	18.537	ug/l #	81
12) 1,1-Dichloroethene	3.72	96	491801	151.493	ug/l	99
13) Acrolein	3.59	56	95	0.535	ug/l #	13
14) Allyl chloride	4.04	41	11713	1.983	ug/l #	91
16) Acetone	3.80	43	55408	32.321	ug/l	99
17) Carbon Disulfide	4.03	76	2386	0.279	ug/l #	74
18) Methyl Acetate	4.04	43	30717	7.124	ug/l #	53
20) Methylene Chloride	4.53	84	2330	0.589	ug/l #	84
24) 1,1-Dichloroethane	5.83	63	289520	40.464	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	84394	20.002	ug/l	91
31) Cyclohexane	7.64	56	10658	1.531	ug/l #	36
32) 1,1,1-Trichloroethane	7.54	97	1614	0.271	ug/l #	51
36) 1,1-Dichloropropene	7.65	75	29803	5.622	ug/l #	51
38) Carbon Tetrachloride	7.65	117	35675	7.455	ug/l #	15
39) Methylcyclohexane	9.08	83	3782	0.611	ug/l	88
40) Benzene	8.03	78	13931	0.914	ug/l	97
41) Methacrylonitrile	7.21	41	1186	0.574	ug/l #	37
42) 1,2-Dichloroethane	8.11	62	49813	8.402	ug/l	99
43) Isopropyl Acetate	8.12	43	86238	10.204	ug/l #	72
44) Trichloroethene	8.83	130	6577	1.748	ug/l	96
48) Methyl methacrylate	9.19	41	5912	1.536	ug/l #	36
49) 1,4-Dioxane	9.19	88	215805	4193.731	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1704	0.393	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.47	63	454	0.215	ug/l #	50
59) 2-Hexanone	10.60	43	5929	1.876	ug/l	74
60) Dibromochloromethane	10.63	129	16572	4.074	ug/l #	11
64) Tetrachloroethene	10.63	164	17315	5.830	ug/l	98
68) m/p-Xylenes	11.63	106	1597	0.252	ug/l	92
69) o-Xylene	11.95	106	1631	0.268	ug/l	98
71) Bromoform	12.41	173	1467	1.363	ug/l #	1
73) Isopropylbenzene	12.26	105	2927	0.226	ug/l	96

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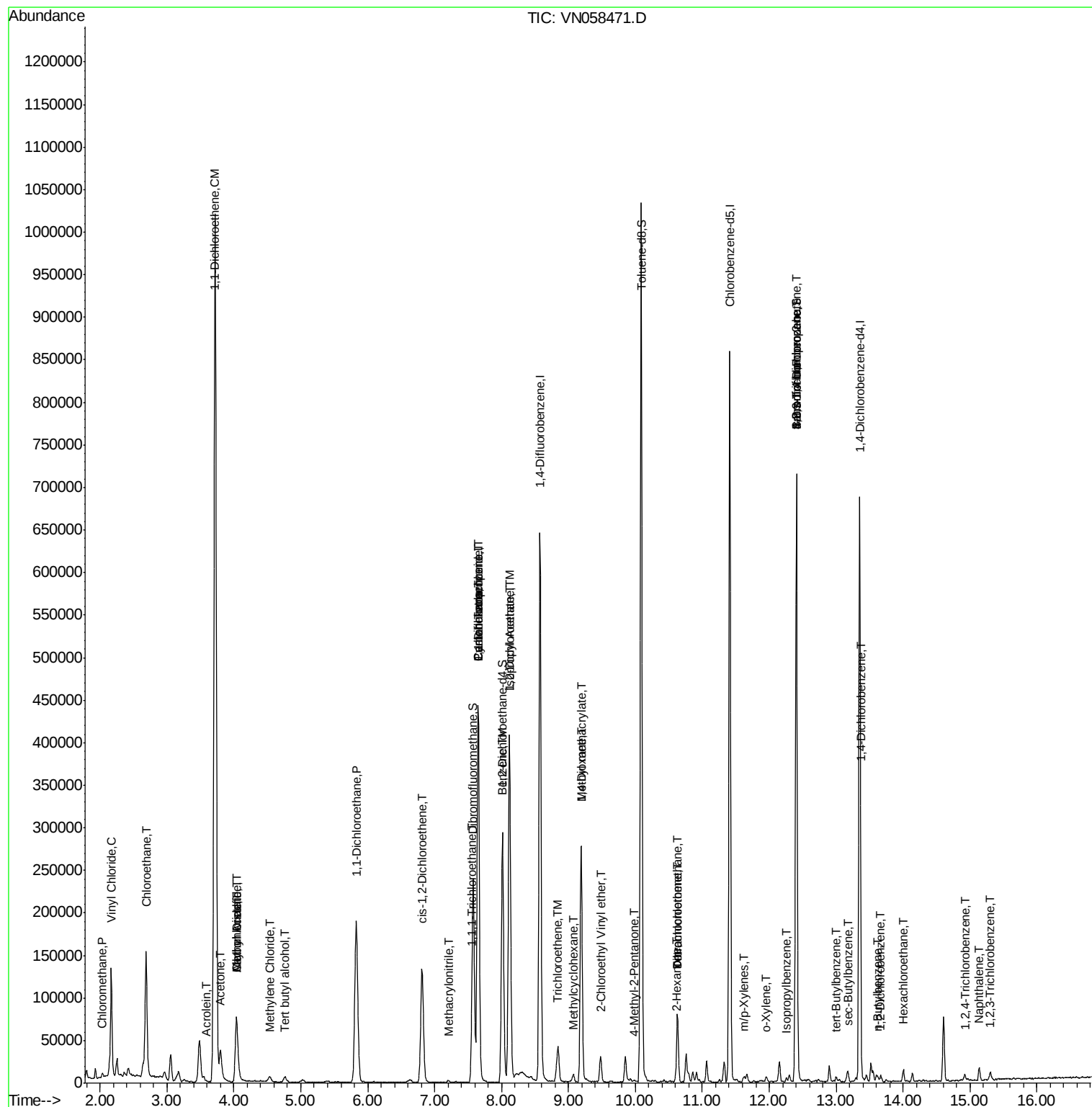
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	12.41	75	123293	38.449	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	123293	116.775	ug/l #	33
83) tert-Butylbenzene	13.00	119	2924	0.319	ug/l	100
85) sec-Butylbenzene	13.18	105	6147	0.510	ug/l	80
88) 1,4-Dichlorobenzene	13.37	146	1571	0.286	ug/l #	25
89) n-Butylbenzene	13.63	91	3961	0.412	ug/l	83
90) Hexachloroethane	14.00	117	6352	3.982	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	2796	0.528	ug/l	92
93) 1,2,4-Trichlorobenzene	14.92	180	2666	0.910	ug/l	95
95) Naphthalene	15.14	128	11266	1.285	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	3244	1.080	ug/l	92

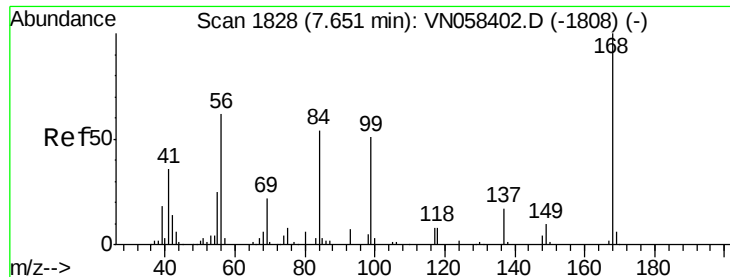
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

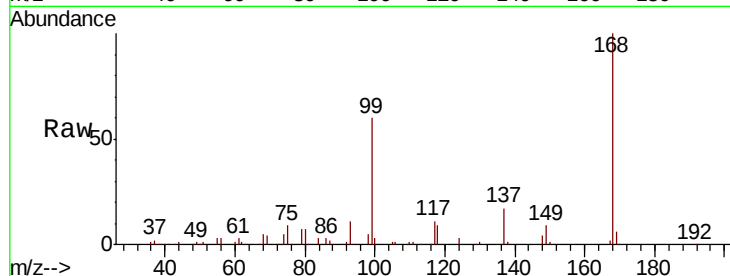
MW-1

Tot Ion:168 Resp: 344132

Ion Ratio Lower Upper

168 100

99 59.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

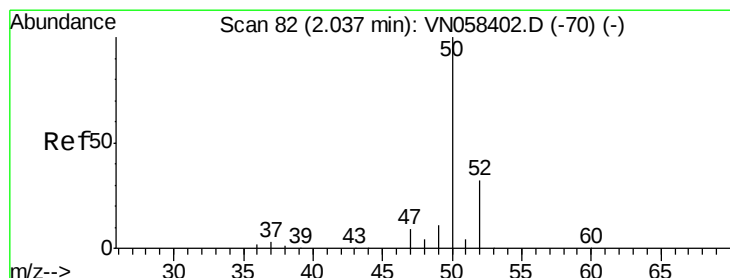
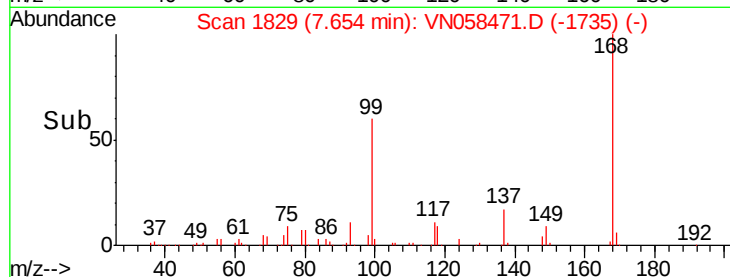
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.812 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058471.D

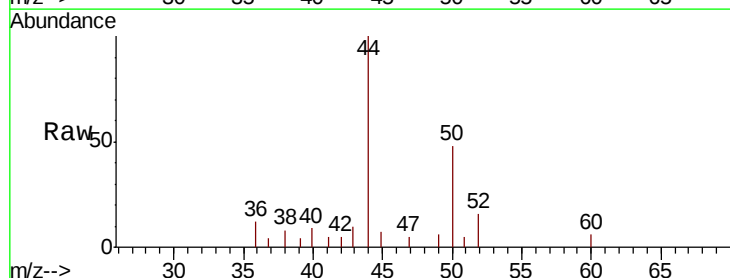
Acq: 1 Oct 2019 18:53

Tgt Ion: 50 Resp: 3370

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

2500

2000

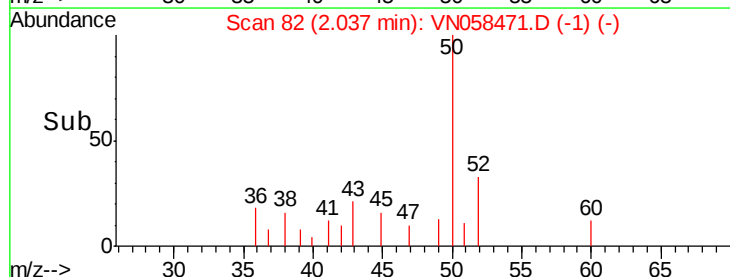
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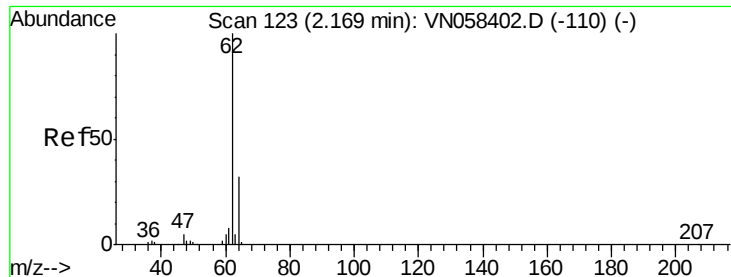
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 27.243 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

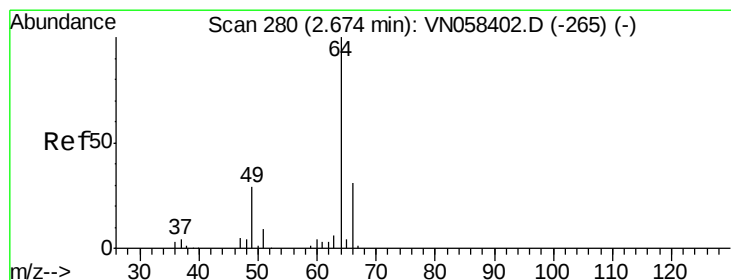
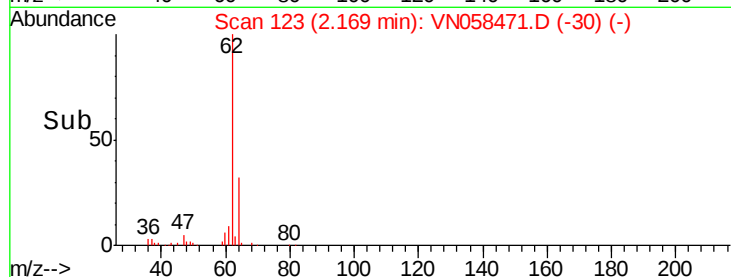
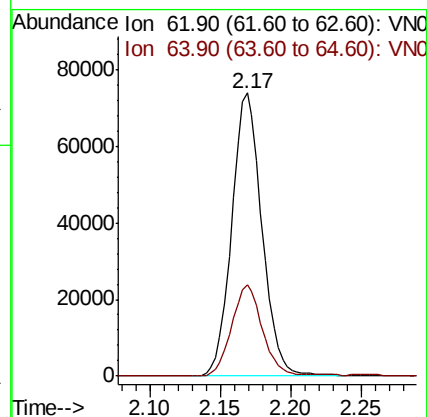
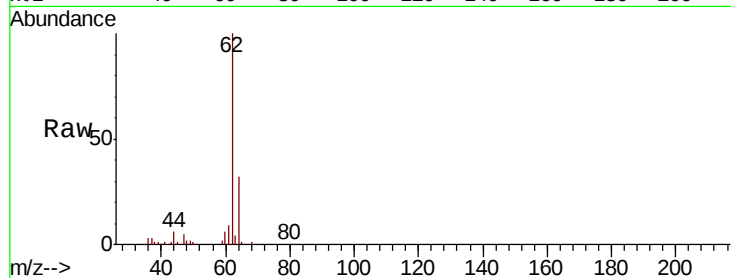
MW-1

Tot Ion: 62 Resp: 110710

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3



#6

Chloroethane

Concen: 49.379 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.02 min

Lab File: VN058471.D

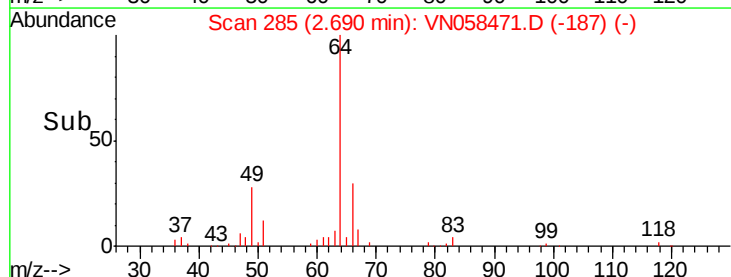
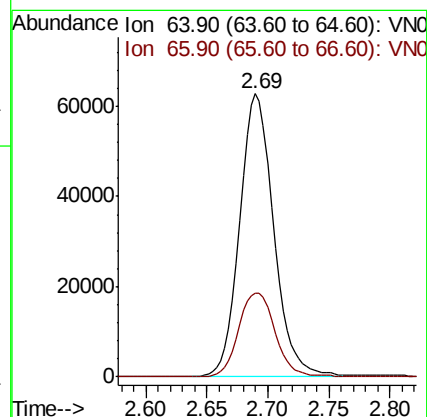
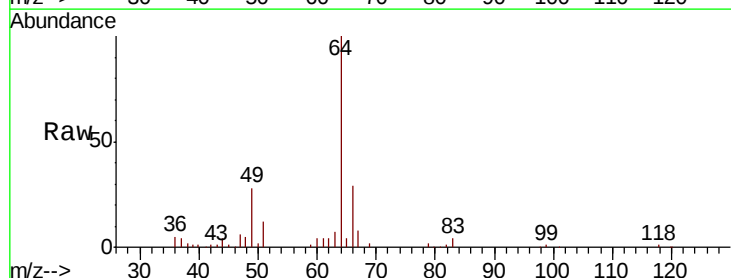
Acq: 1 Oct 2019 18:53

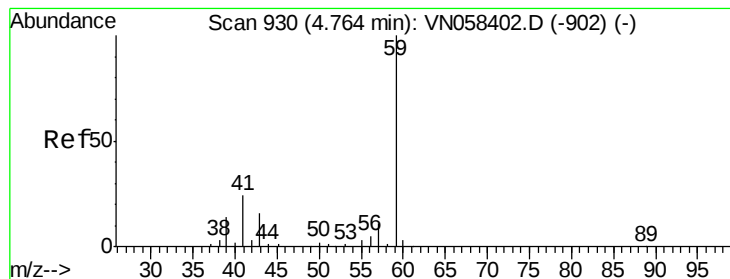
Tgt Ion: 64 Resp: 120235

Ion Ratio Lower Upper

64 100

66 29.5 24.4 36.6



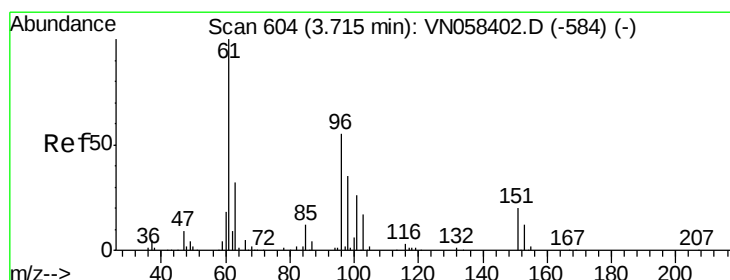
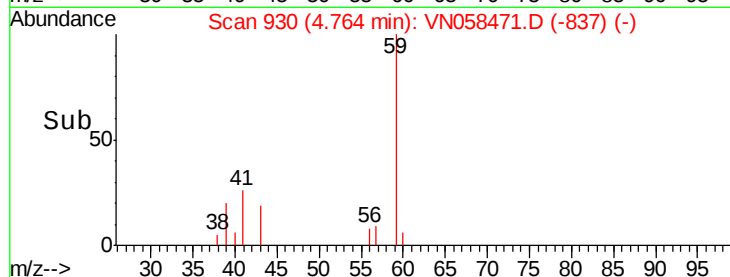
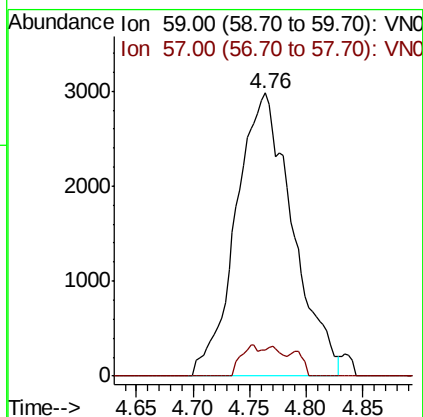
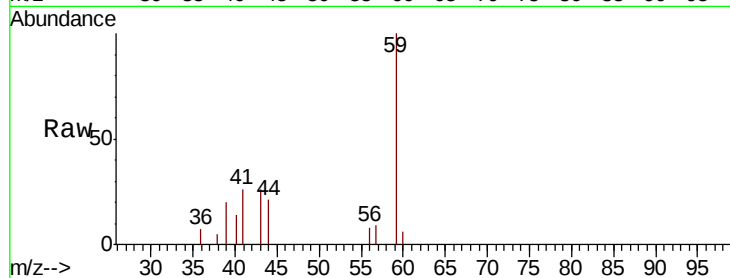


#11

Tert butyl alcohol
 Concen: 18.537 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

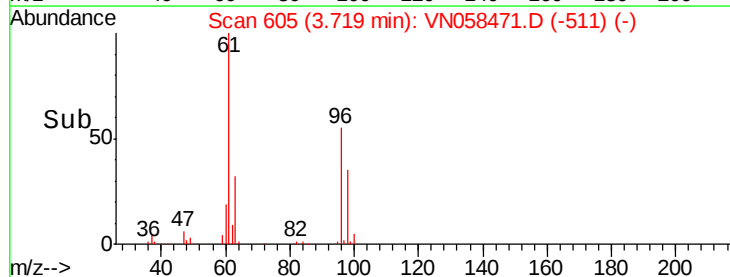
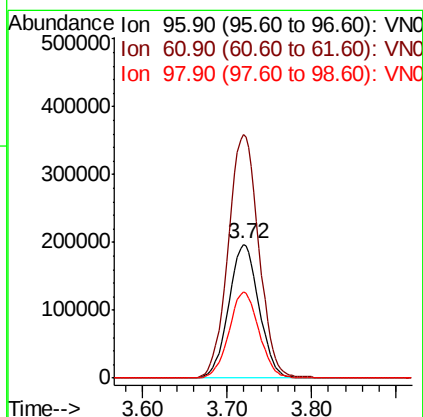
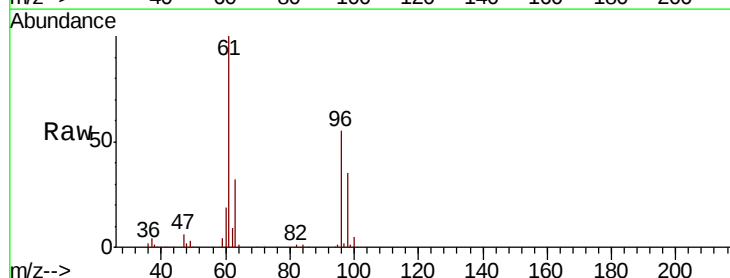
Tot Ion: 59 Resp: 10356
 Ion Ratio Lower Upper
 59 100
 57 3.9 9.0 13.4#

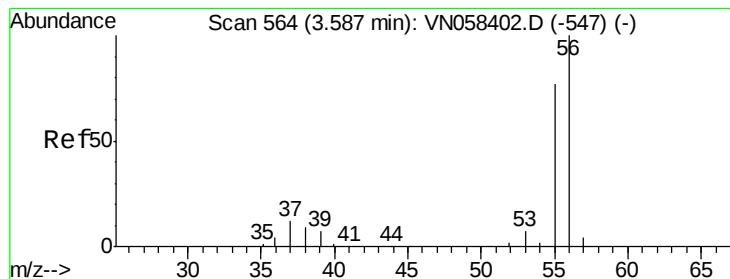


#12

1,1-Dichloroethene
 Concen: 151.493 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 96 Resp: 491801
 Ion Ratio Lower Upper
 96 100
 61 182.1 146.7 220.1
 98 64.2 51.3 76.9





#13

Acrolein

Concen: 0.535 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

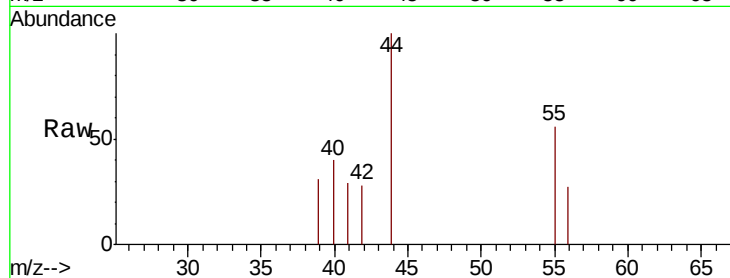
MW-1

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

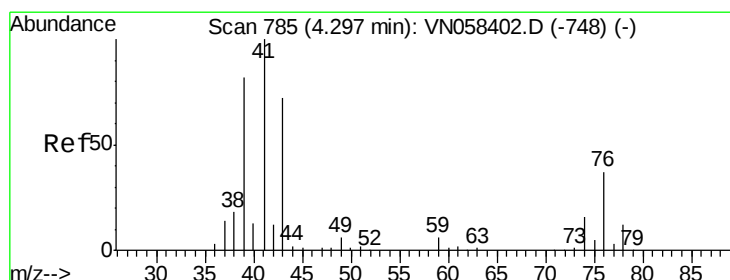
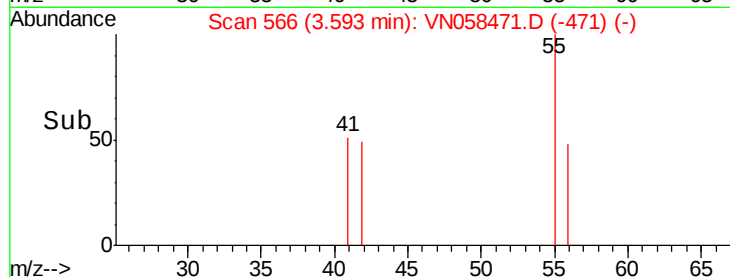
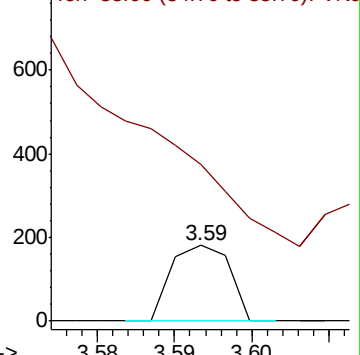
56 100

55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.983 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.26 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

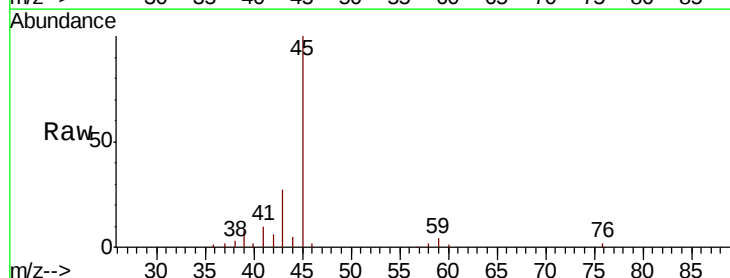
Tgt Ion: 41 Resp: 11713

Ion Ratio Lower Upper

41 100

39 79.4 62.3 93.5

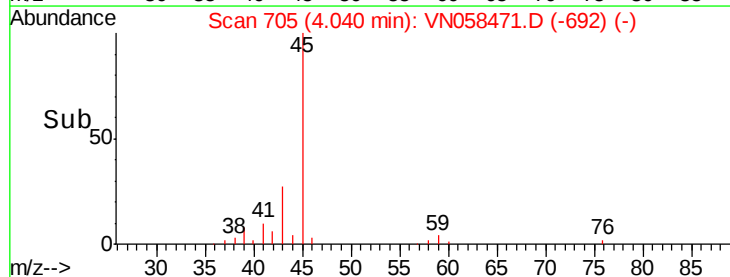
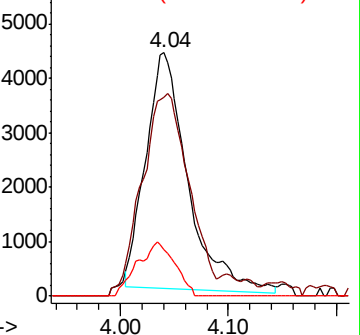
76 19.3 26.9 40.3#

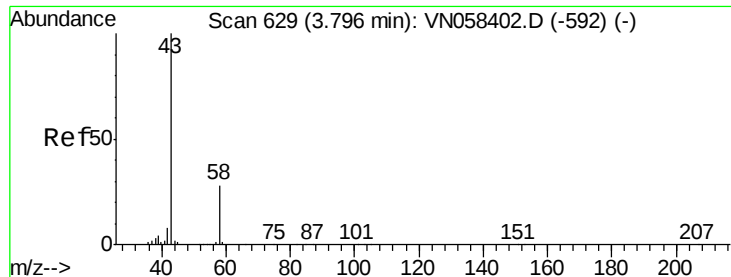


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 32.321 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

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ClientSampleId :

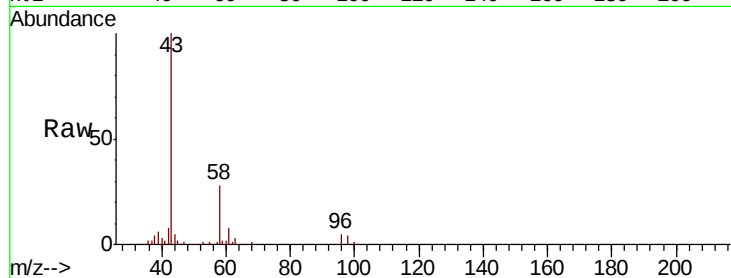
MW-1

Tot Ion: 43 Resp: 55408

Ion Ratio Lower Upper

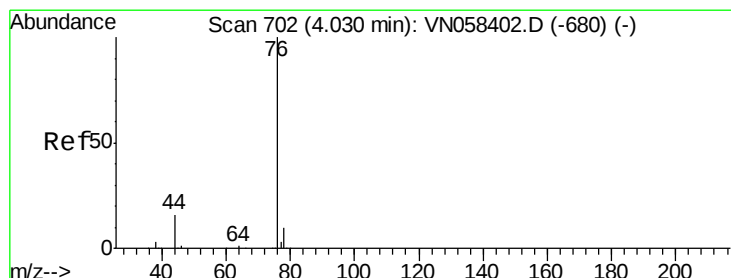
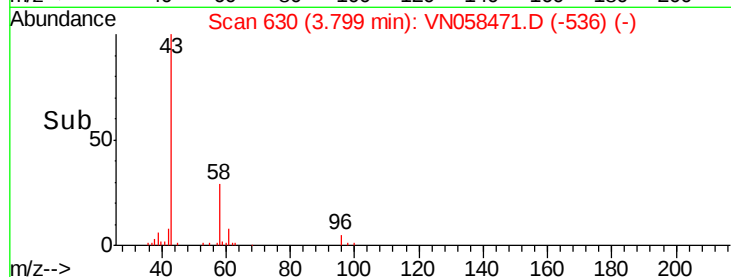
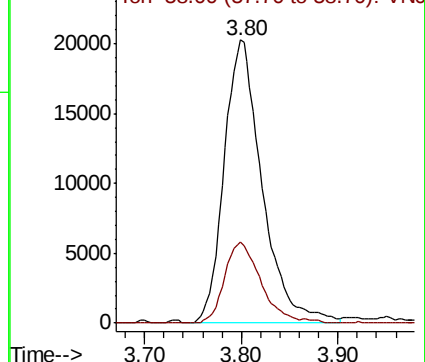
43 100

58 28.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.279 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058471.D

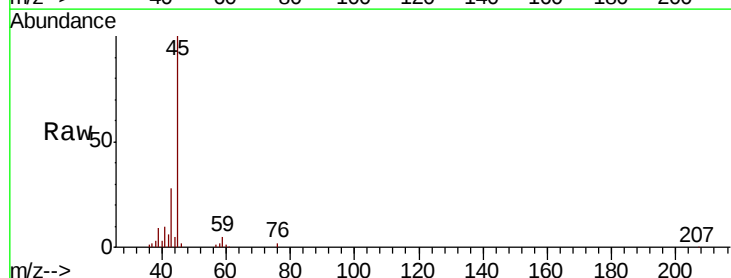
Acq: 1 Oct 2019 18:53

Tgt Ion: 76 Resp: 2386

Ion Ratio Lower Upper

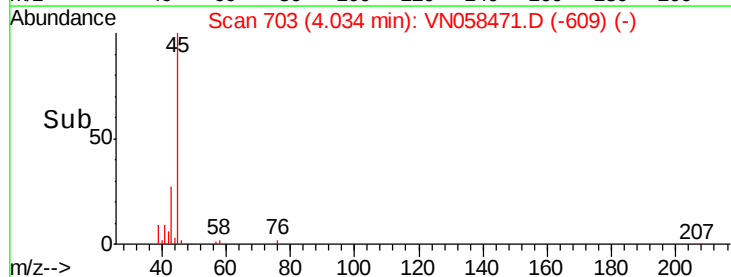
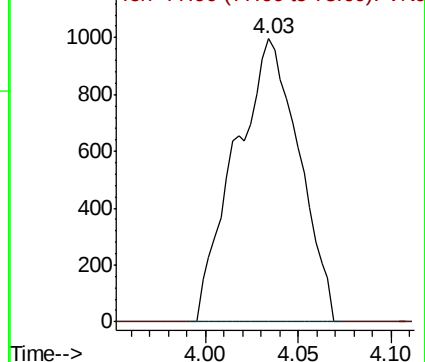
76 100

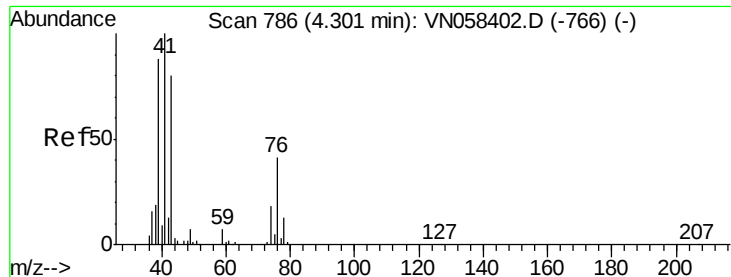
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

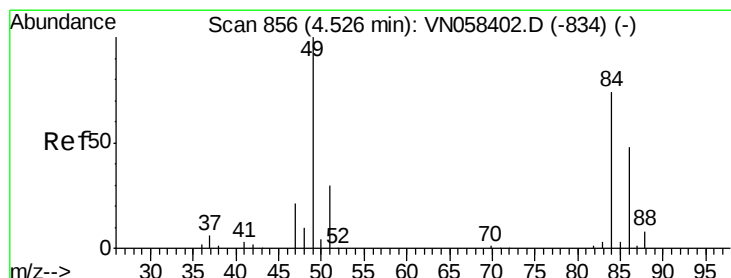
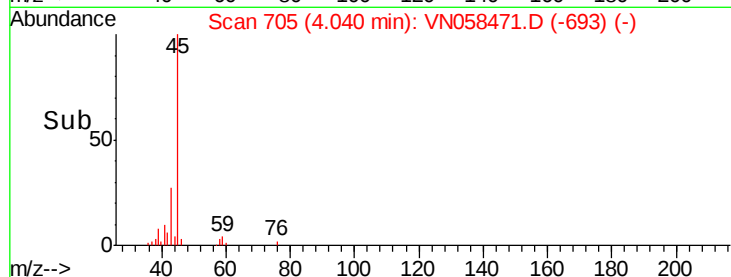
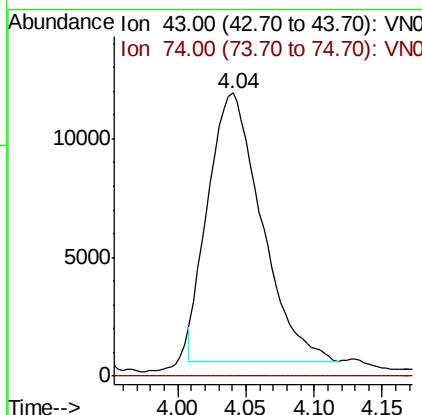
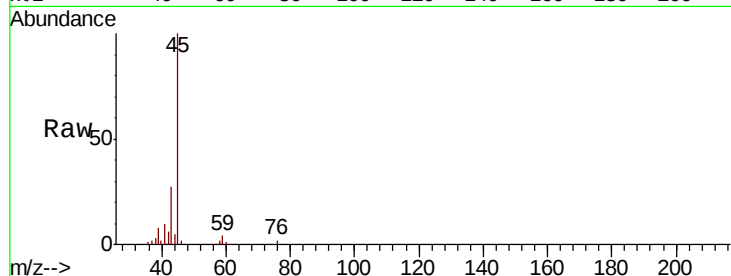




#18
Methvl Acetate
Concen: 7.124 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.26 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

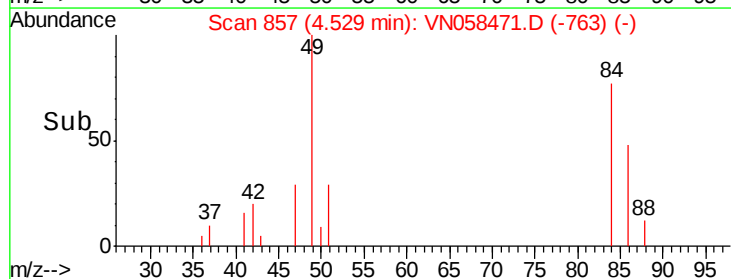
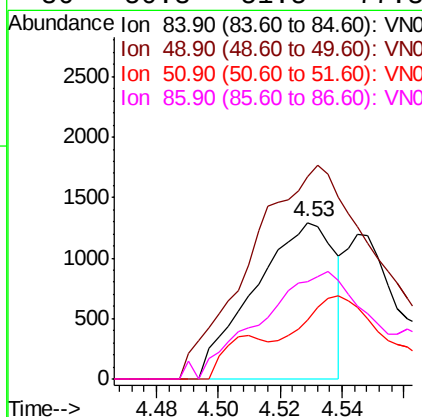
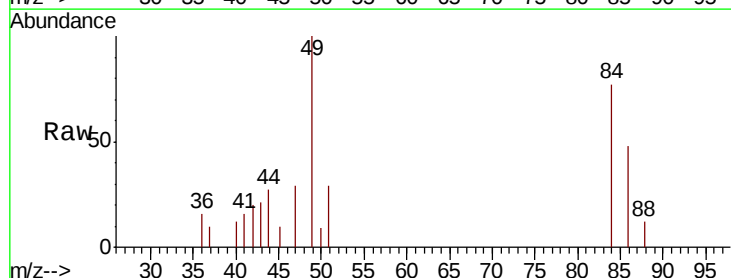
Instrument :
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ClientSampled :
MW-1

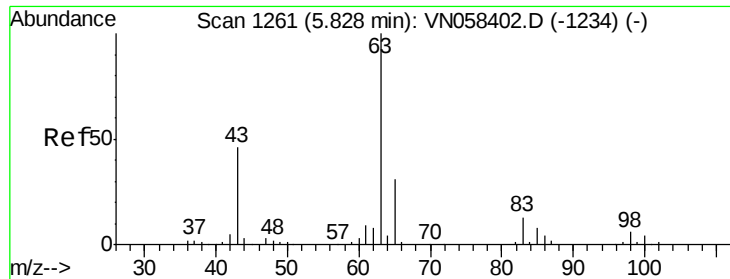
Tot Ion: 43 Resp: 30717
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.589 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion: 84 Resp: 2330
Ion Ratio Lower Upper
84 100
49 112.6 107.9 161.9
51 37.5 32.8 49.2
86 50.3 51.5 77.3#

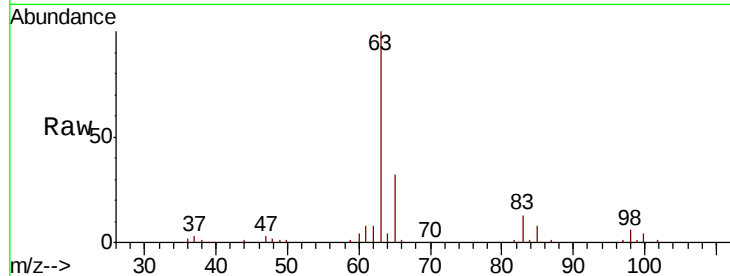




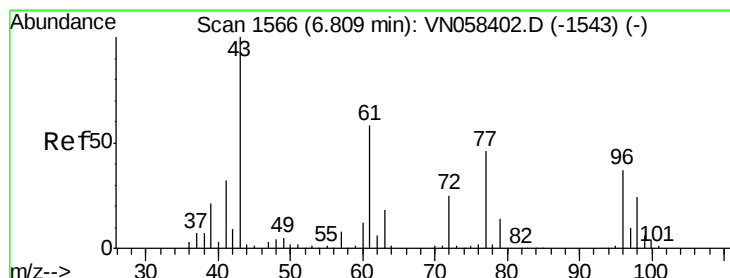
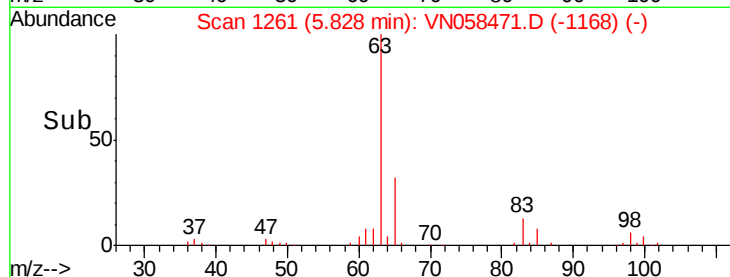
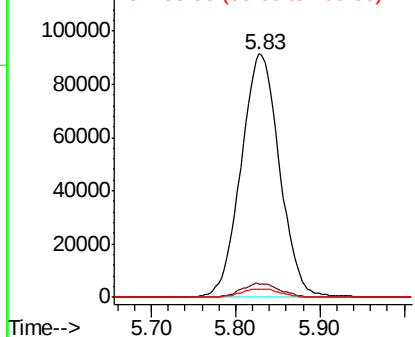
#24
 1,1-Dichloroethane
 Concen: 40.464 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion: 63 Resp: 289520
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.5 2.0 5.8

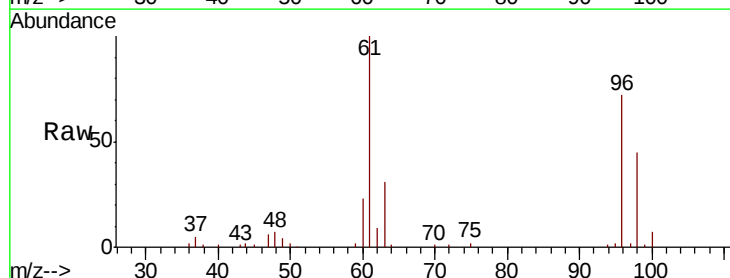


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

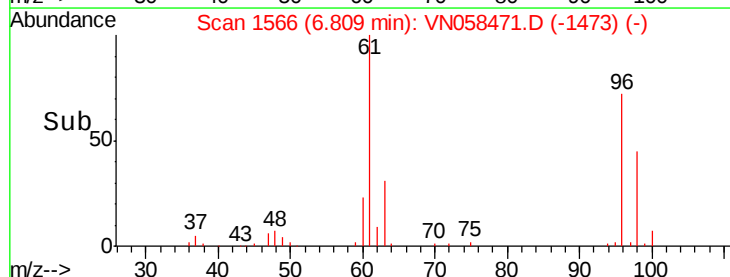
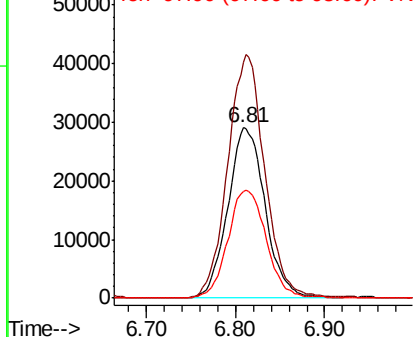


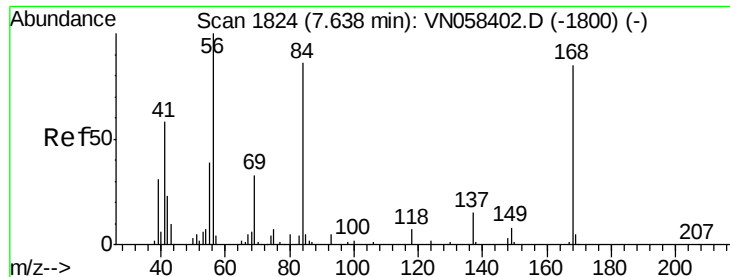
#27
 cis-1,2-Dichloroethene
 Concen: 20.002 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 96 Resp: 84394
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 318.8
 98 64.7 0.0 129.8



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

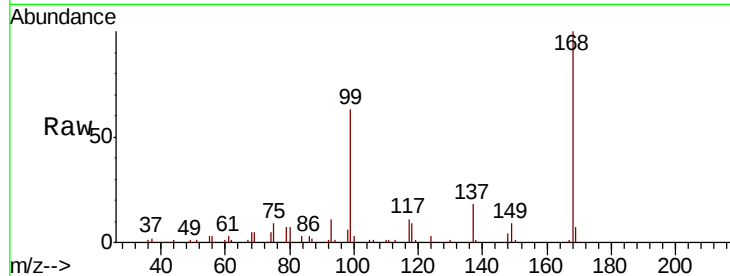




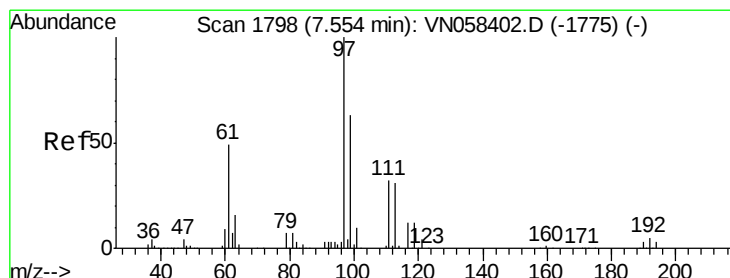
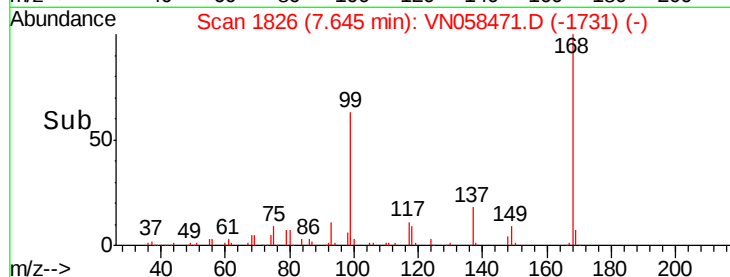
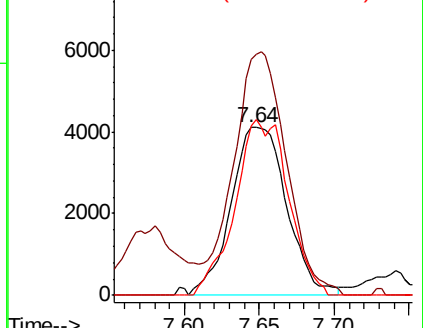
#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 56 Resp: 10658
Ion Ratio Lower Upper
56 100
69 136.8 26.2 39.4#
84 100.6 67.6 101.4

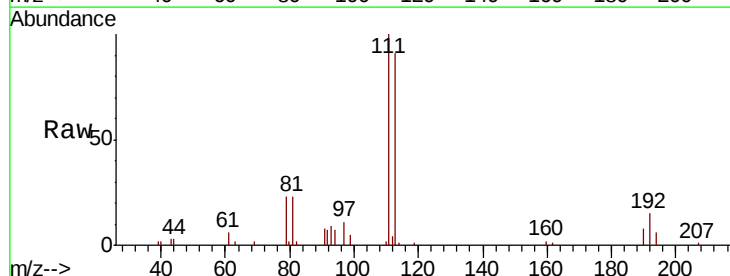


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

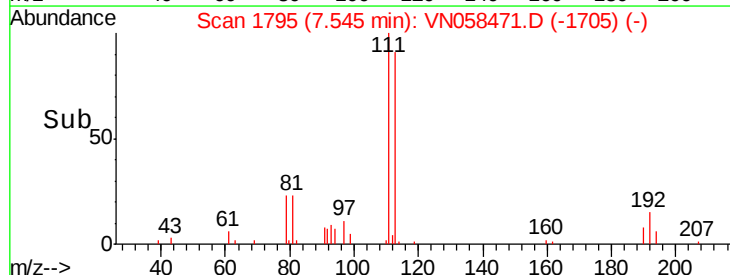
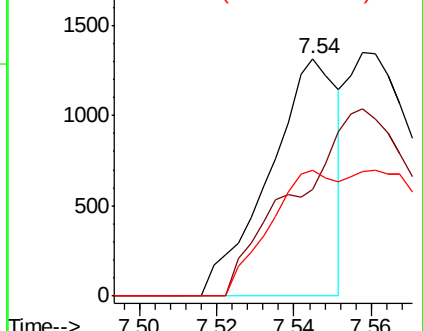


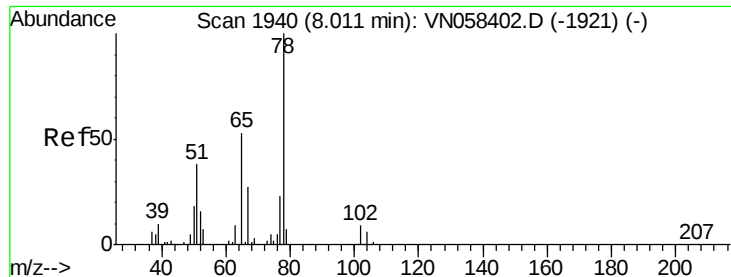
#32
1,1,1-Trichloroethane
Concen: 0.271 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.01 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion: 97 Resp: 1614
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 53.0 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

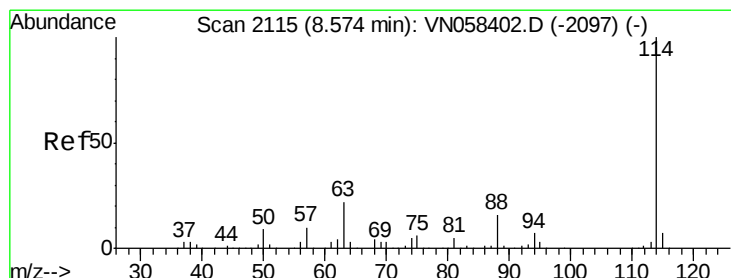
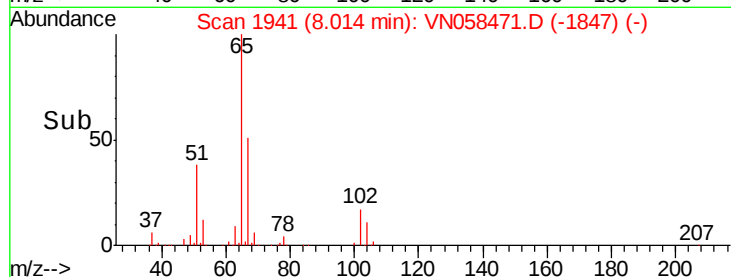
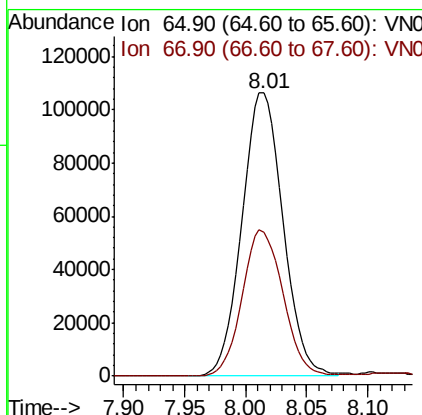
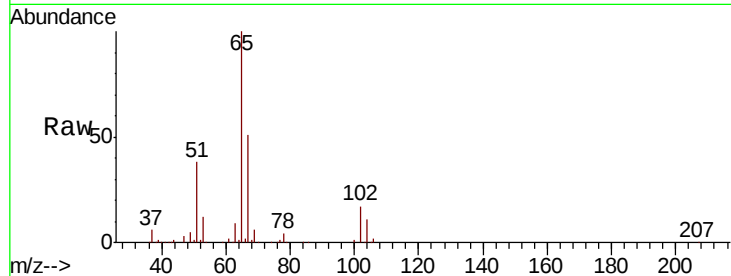




#33
 1,2-Dichloroethane-d4
 Concen: 49.337 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

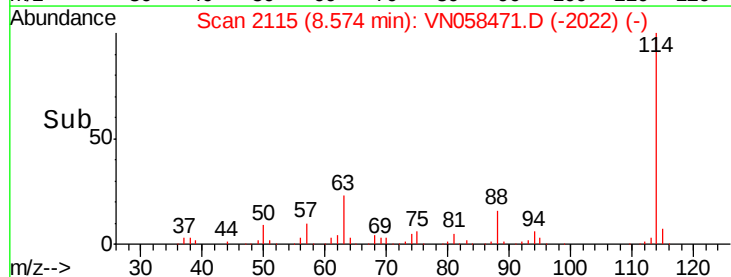
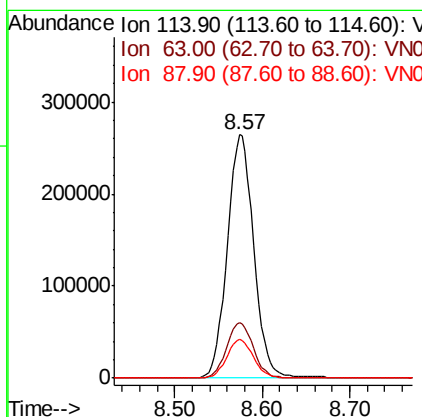
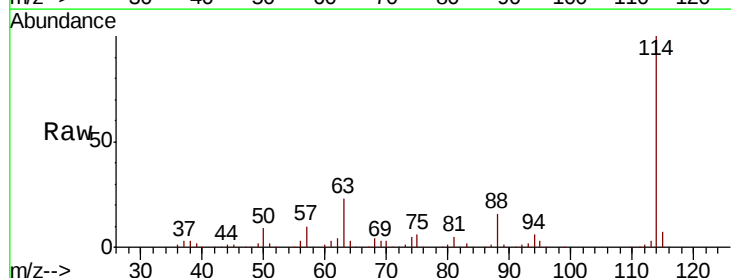
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

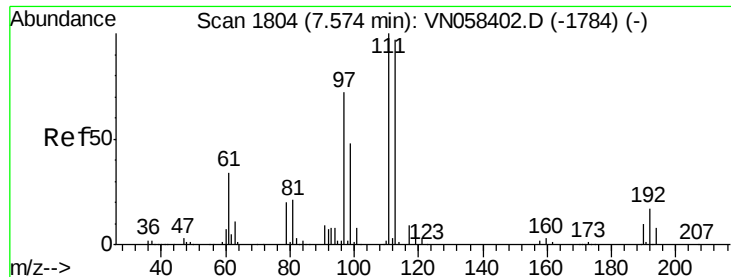
Tot Ion: 65 Resp: 248112
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 114 Resp: 554401
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 15.8 0.0 32.2

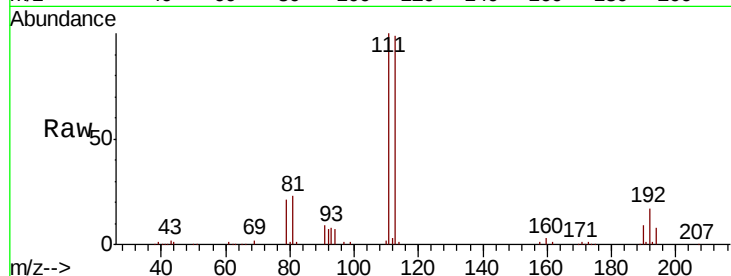




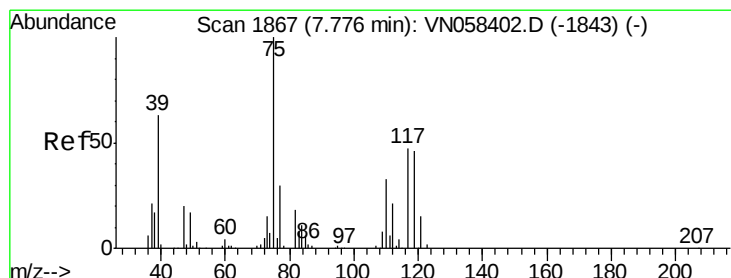
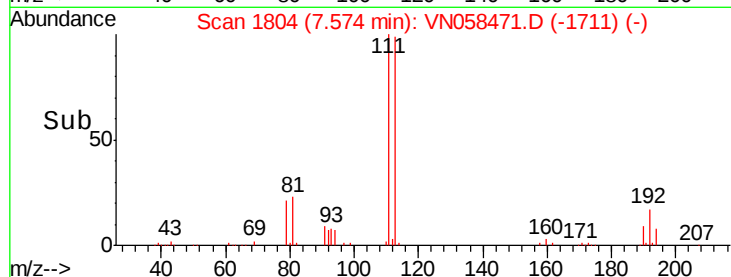
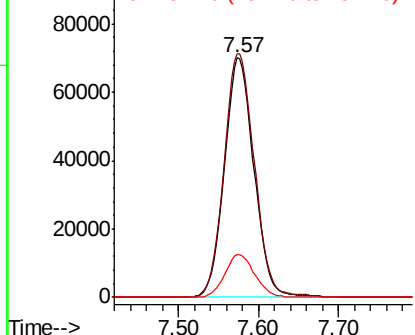
#35
 Dibromofluoromethane
 Concen: 52.210 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tot Ion:113 Resp: 177403
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.4 125.2
 192 18.0 14.9 22.3

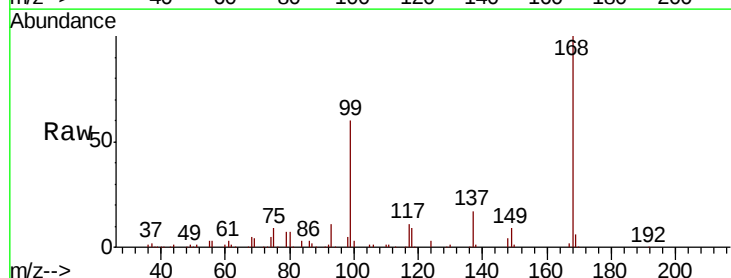


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

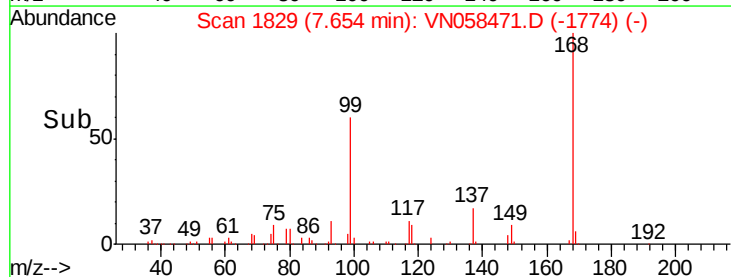
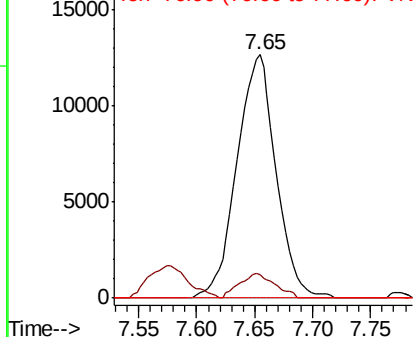


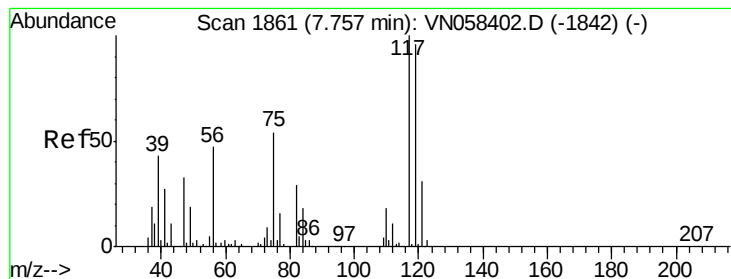
#36
 1,1-Dichloropropene
 Concen: 5.622 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 75 Resp: 29803
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.4 49.2#
 77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 7.455 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

MW-1

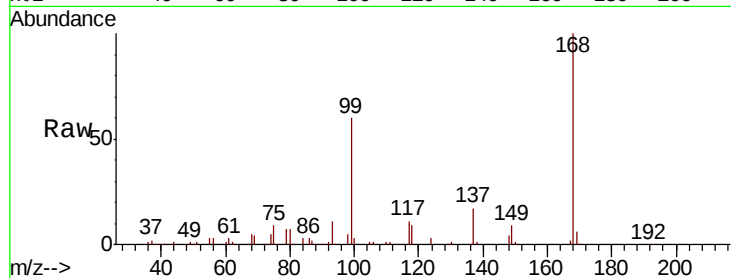
Tot Ion:117 Resp: 35675

Ion Ratio Lower Upper

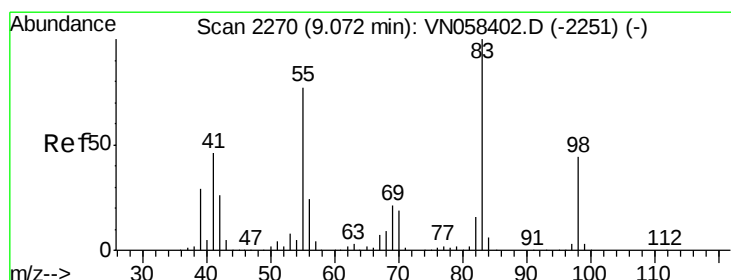
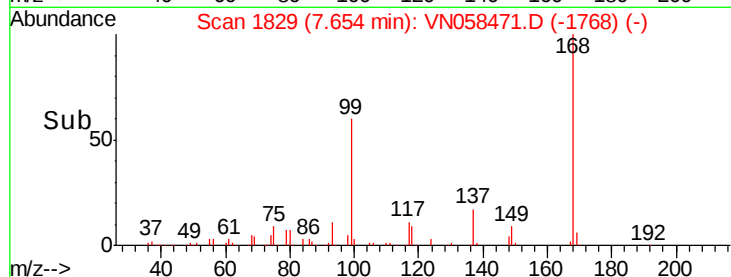
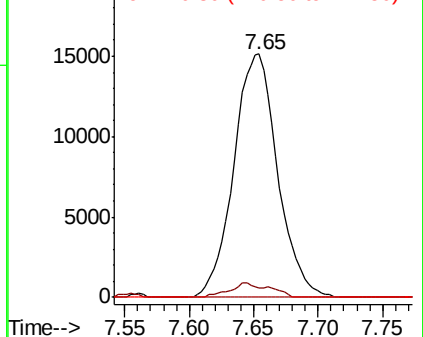
117 100

119 3.9 76.6 115.0#

121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.611 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

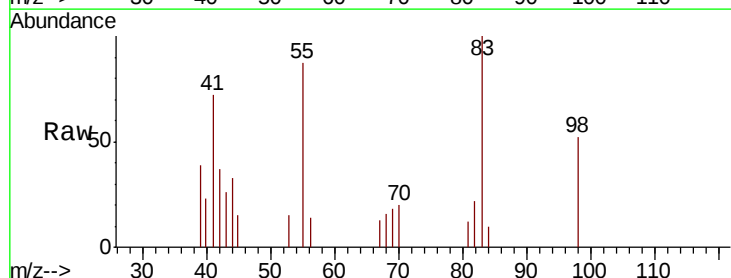
Tgt Ion: 83 Resp: 3782

Ion Ratio Lower Upper

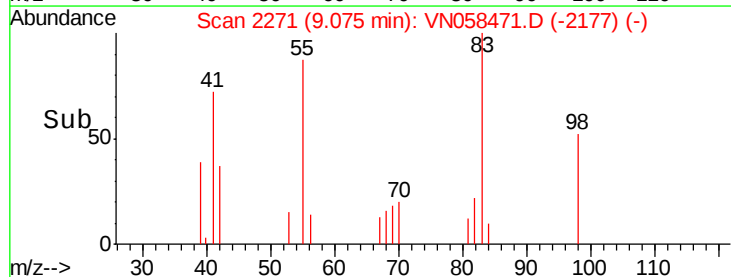
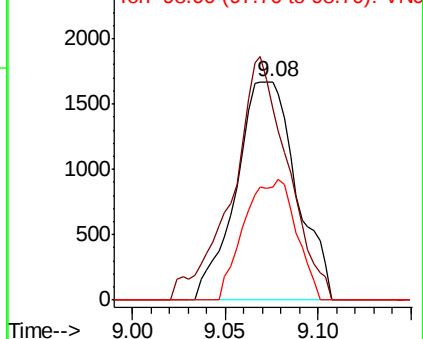
83 100

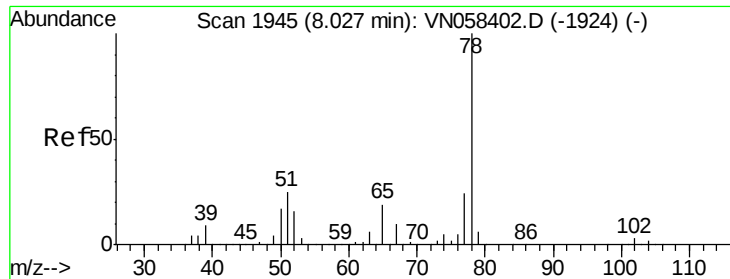
55 87.5 61.8 92.6

98 51.8 35.4 53.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.914 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

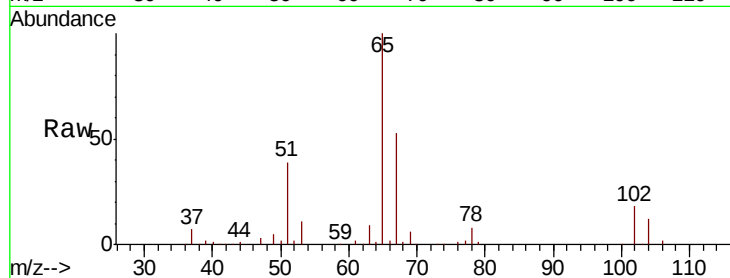
MW-1

Tot Ion: 78 Resp: 13931

Ion Ratio Lower Upper

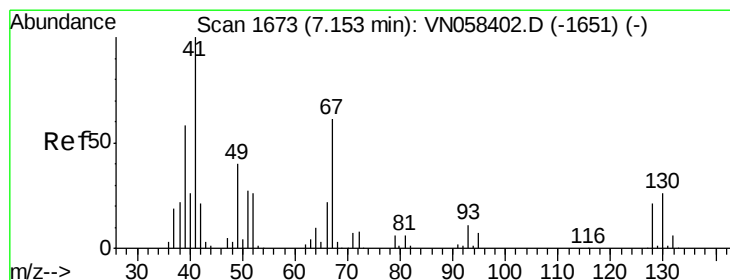
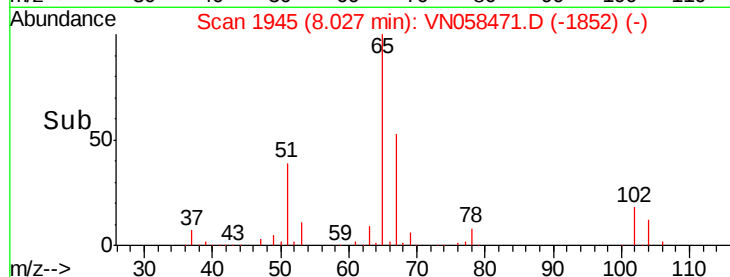
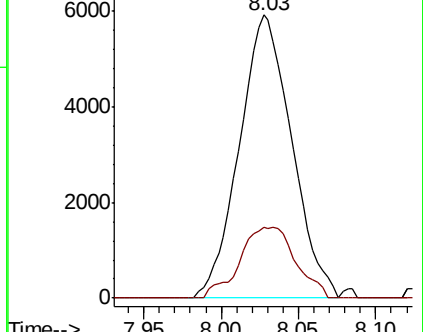
78 100

77 24.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN058402.D (-1924) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-1924) (-)



#41

Methacrylonitrile

Concen: 0.574 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.05 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Tgt Ion: 41 Resp: 1186

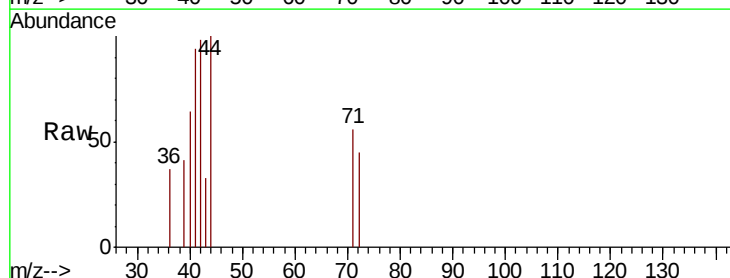
Ion Ratio Lower Upper

41 100

39 47.7 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

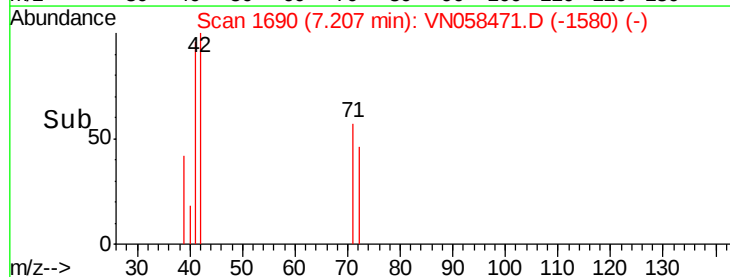
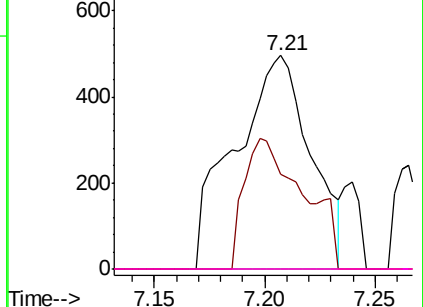


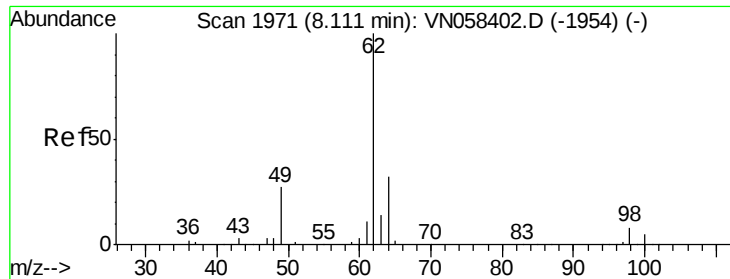
Abundance Ion 41.00 (40.70 to 41.70): VN058402.D (-1651) (-)

Ion 39.00 (38.70 to 39.70): VN058402.D (-1651) (-)

Ion 67.00 (66.70 to 67.70): VN058402.D (-1651) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-1651) (-)

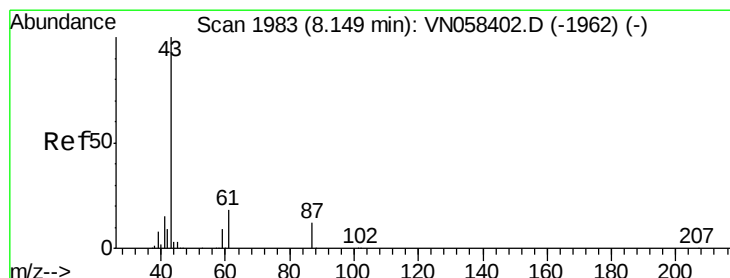
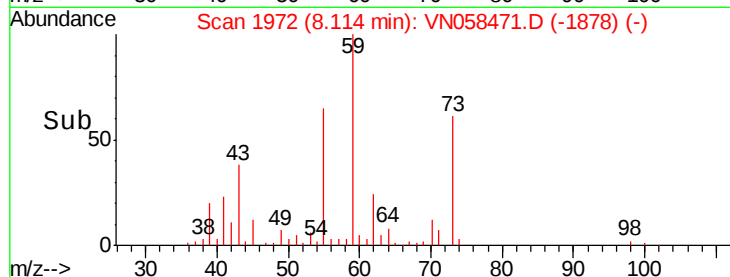
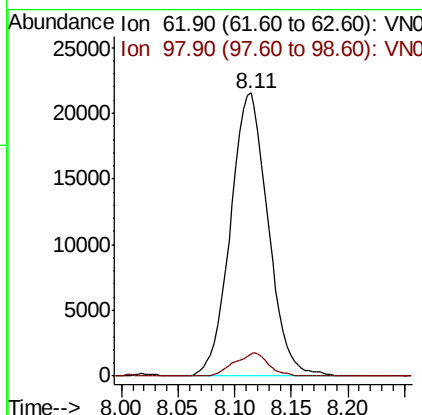
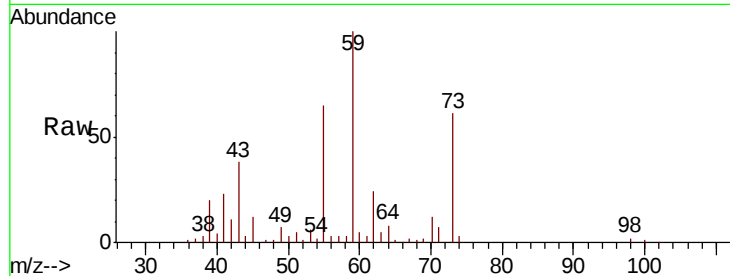




#42
 1,2-Dichloroethane
 Concen: 8.402 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

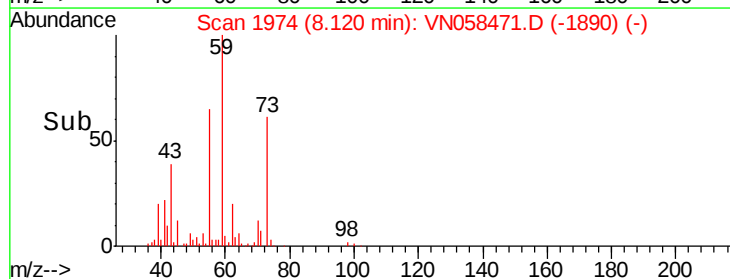
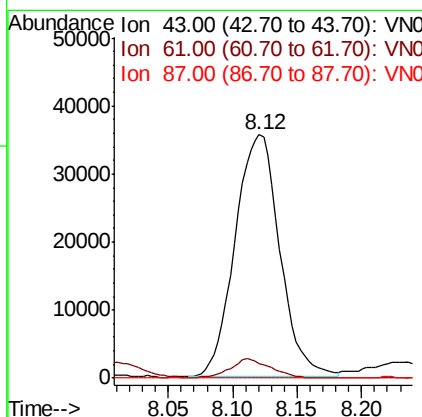
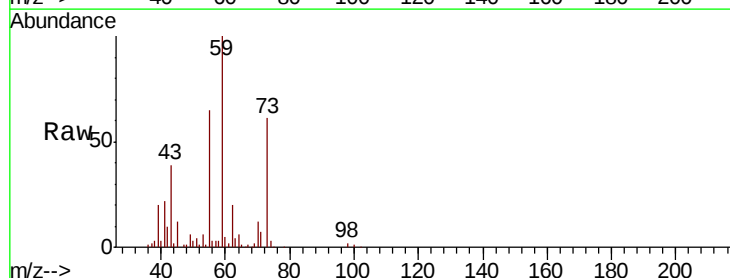
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

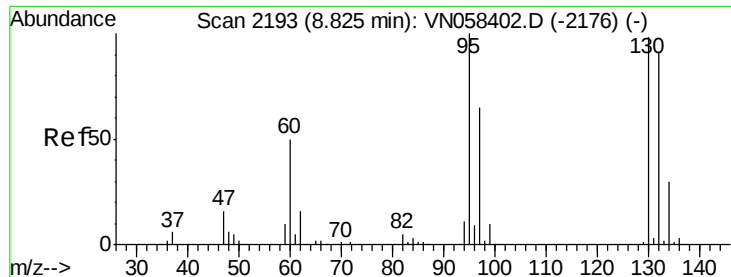
Tot Ion: 62 Resp: 49813
 Ion Ratio Lower Upper
 62 100
 98 7.4 0.0 15.6



#43
 Isopropyl Acetate
 Concen: 10.204 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.03 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 43 Resp: 86238
 Ion Ratio Lower Upper
 43 100
 61 7.1 14.8 22.2#
 87 0.0 9.7 14.5#





#44

Trichloroethene

Concen: 1.748 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

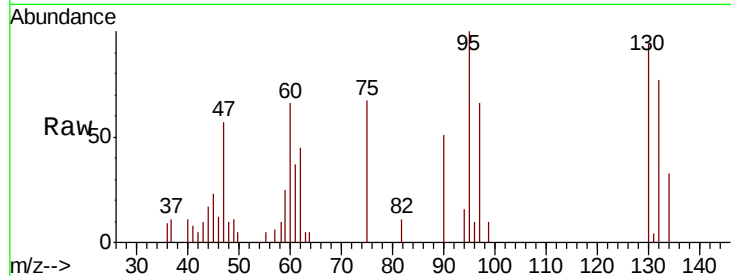
MW-1

Tot Ion:130 Resp: 6577

Ion Ratio Lower Upper

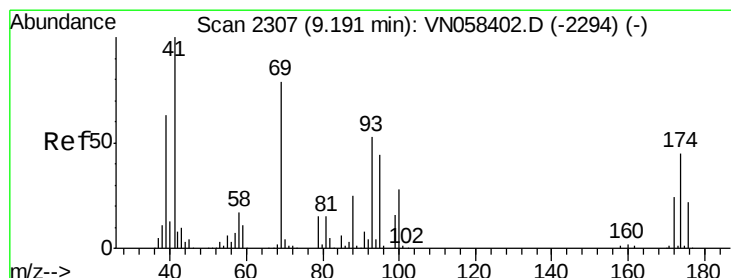
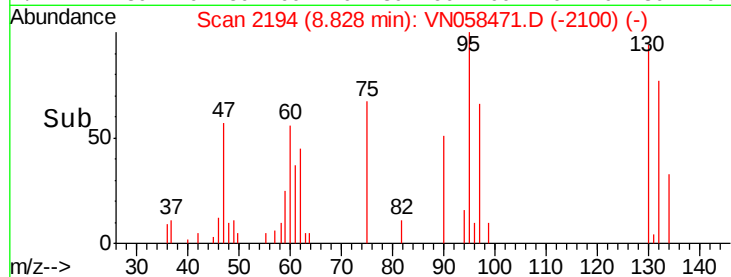
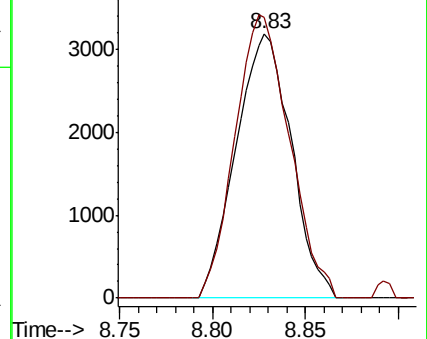
130 100

95 106.1 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#48

Methyl methacrylate

Concen: 1.536 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

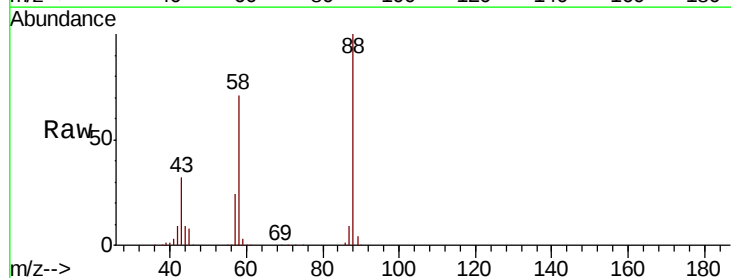
Tgt Ion: 41 Resp: 5912

Ion Ratio Lower Upper

41 100

69 4.6 64.7 97.1#

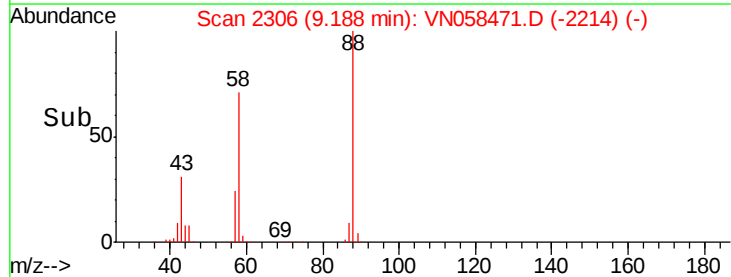
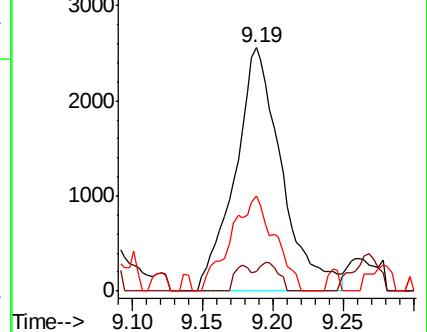
39 37.1 52.9 79.3#

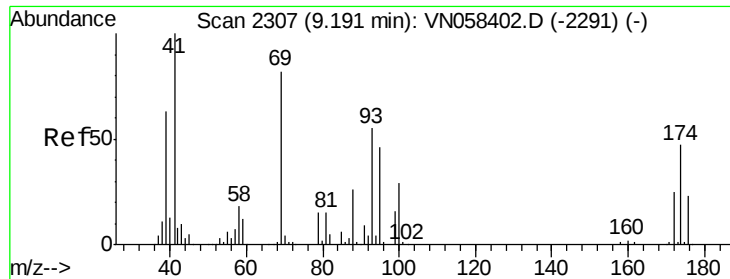


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 39.00 (38.70 to 39.70): VN

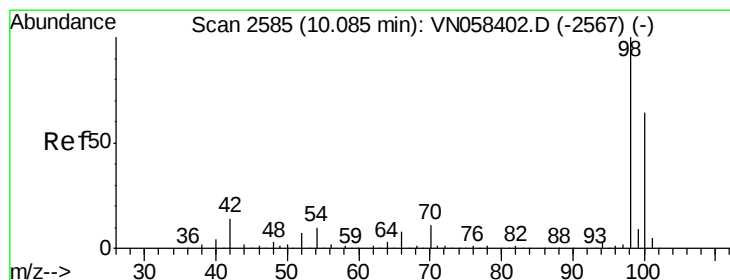
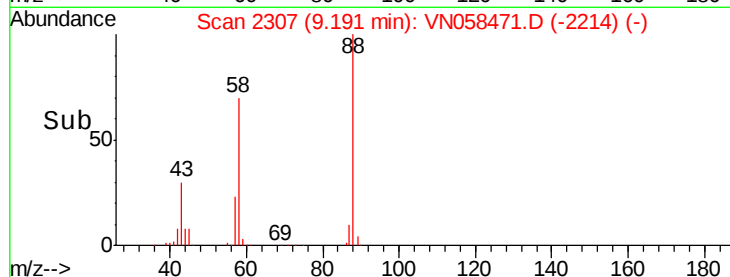
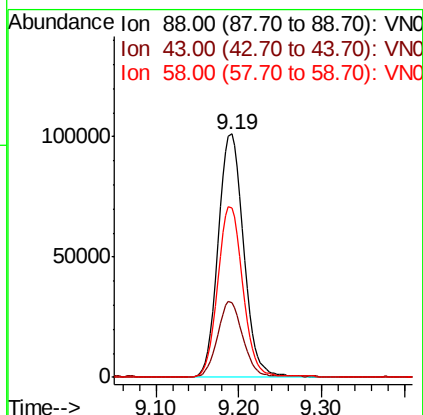
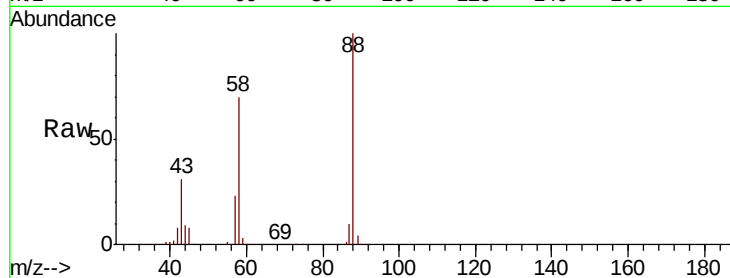




#49
 1,4-Dioxane
 Concen: 4193.731 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

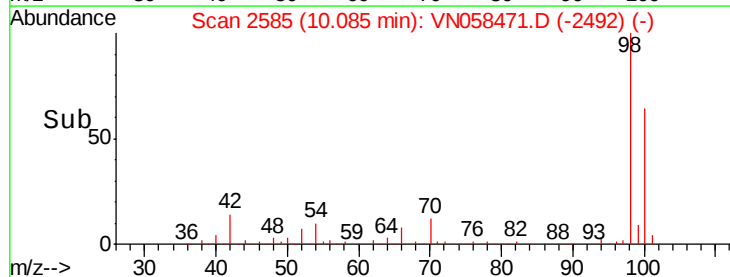
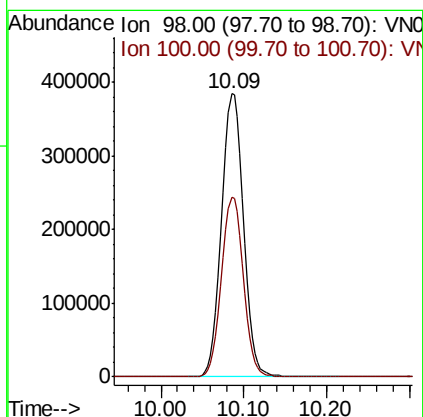
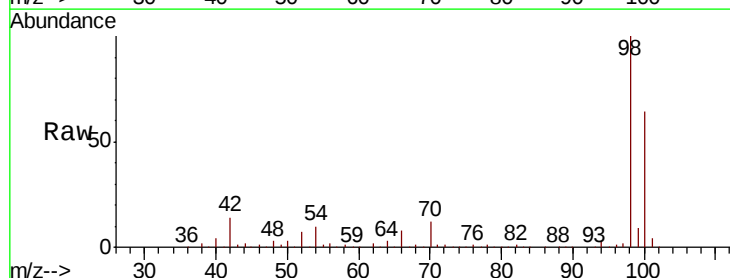
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

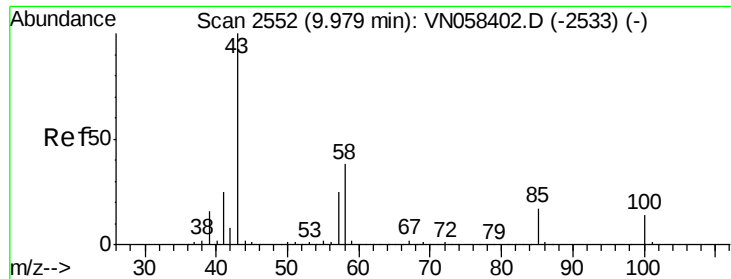
Tot Ion: 88 Resp: 215805
 Ion Ratio Lower Upper
 88 100
 43 30.3 31.1 46.7#
 58 68.6 58.1 87.1



#50
 Toluene-d8
 Concen: 52.981 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 98 Resp: 705217
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 0.393 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

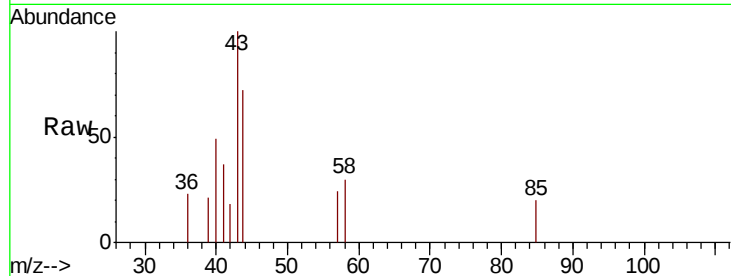
MW-1

Tot Ion: 43 Resp: 1704

Ion Ratio Lower Upper

43 100

58 29.3 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2533) (-)

1500

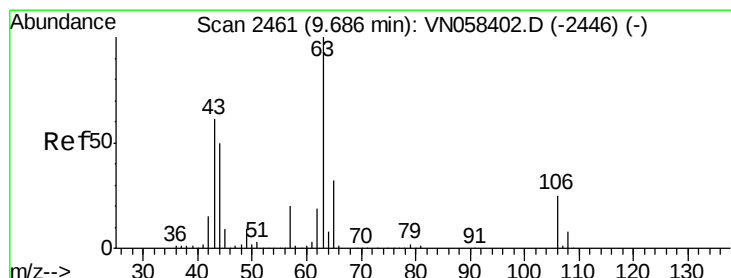
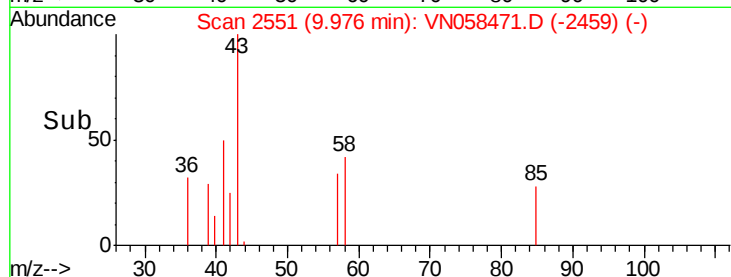
1000

500

0

9.95 9.98 10.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.215 ug/l

RT: 9.47 min Scan# 2394

Delta R.T. -0.22 min

Lab File: VN058471.D

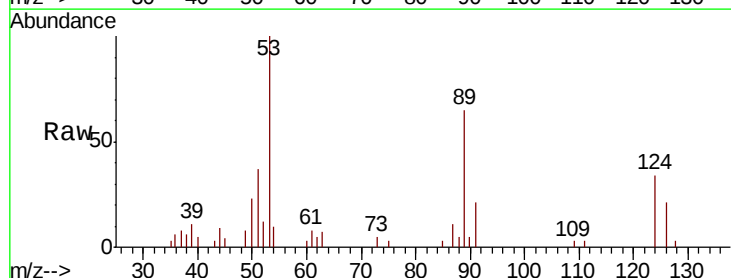
Acq: 1 Oct 2019 18:53

Tgt Ion: 63 Resp: 454

Ion Ratio Lower Upper

63 100

106 0.0 20.3 30.5#



Abundance Ion 62.90 (62.60 to 63.60): VN058402.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN058402.D (-2446) (-)

400

300

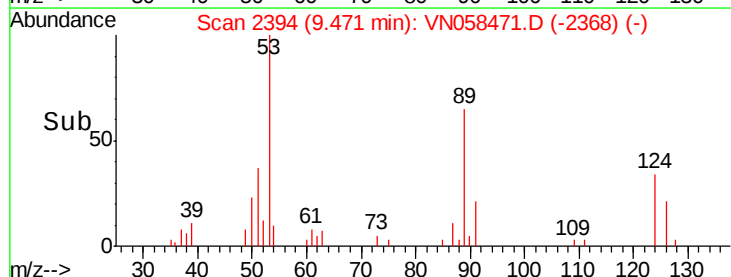
200

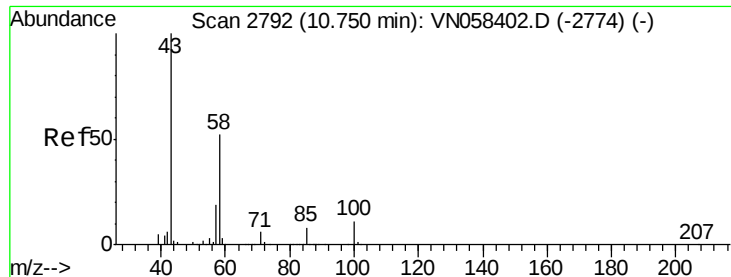
100

0

9.45 9.46 9.47 9.48

Time-->

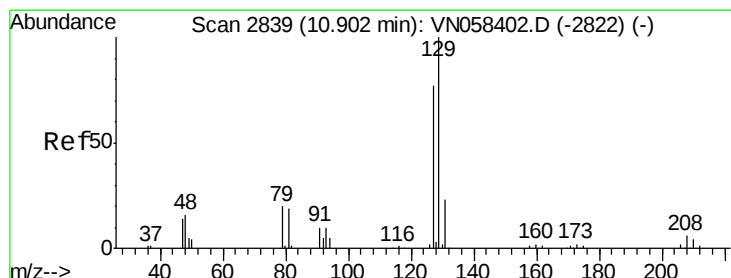
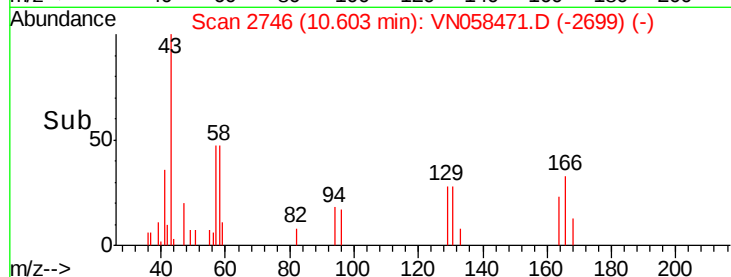
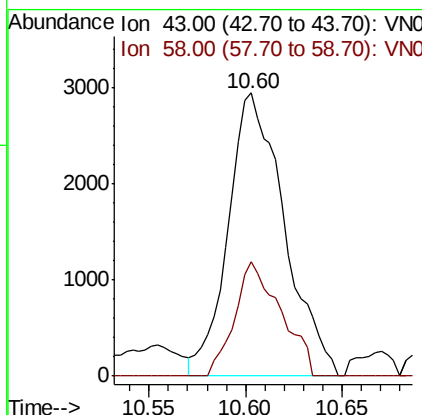
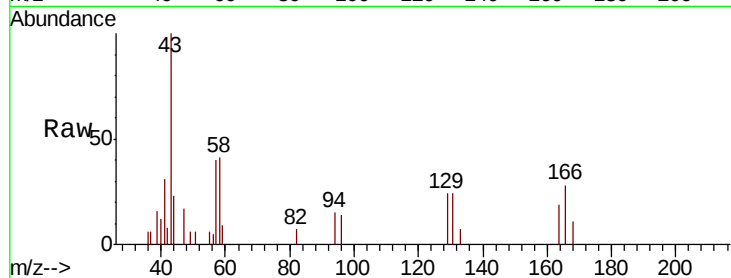




#59
2-Hexanone
Concen: 1.876 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.15 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

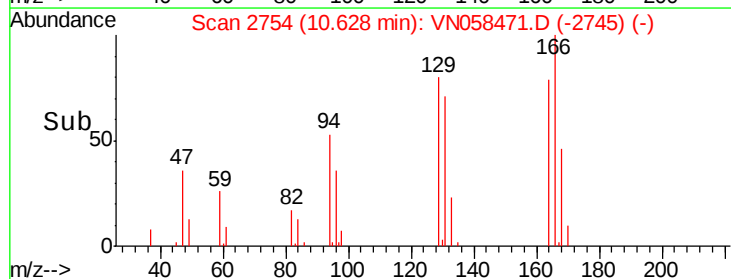
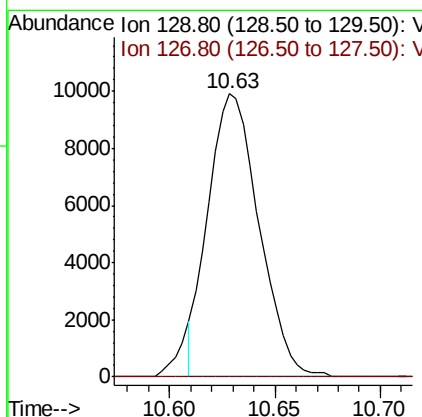
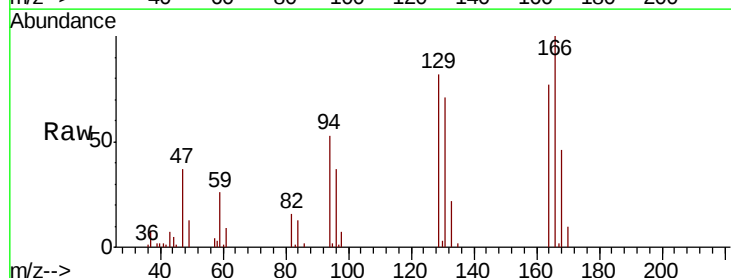
Instrument :
MSVOA_N
ClientSampled :
MW-1

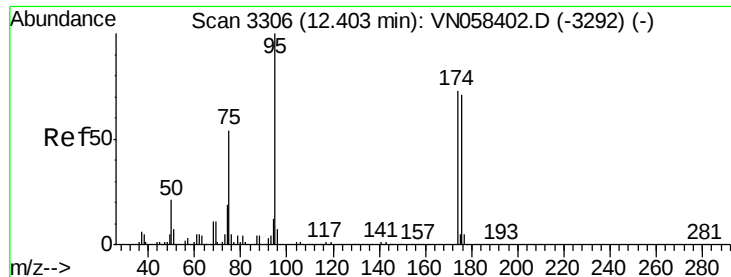
Tot Ion: 43 Resp: 5929
Ion Ratio Lower Upper
43 100
58 33.2 25.8 77.3



#60
Dibromochloromethane
Concen: 4.074 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion: 129 Resp: 16572
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 45.014 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

MW-1

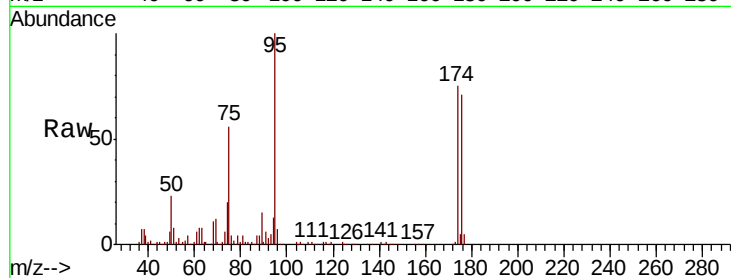
Tot Ion: 95 Resp: 216652

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.6

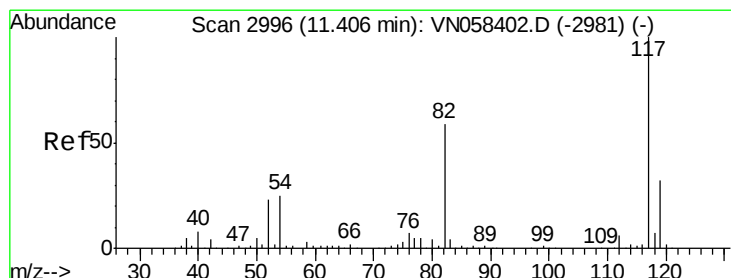
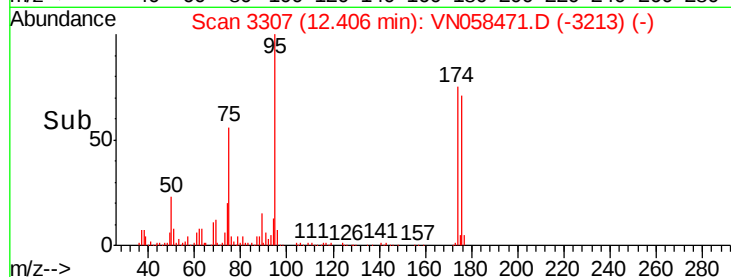
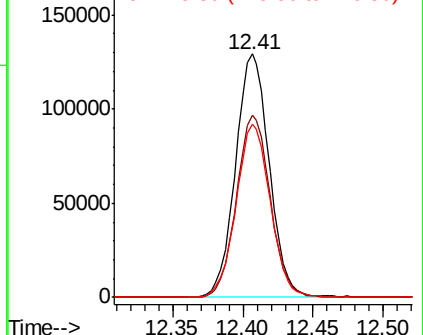
176 72.4 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

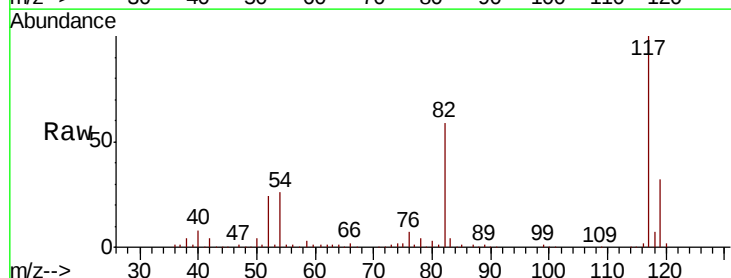
Tgt Ion: 117 Resp: 467450

Ion Ratio Lower Upper

117 100

82 59.3 47.4 71.0

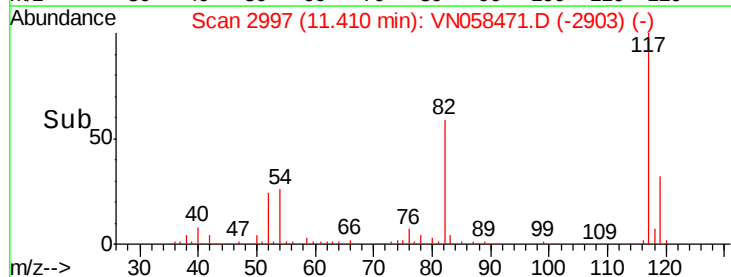
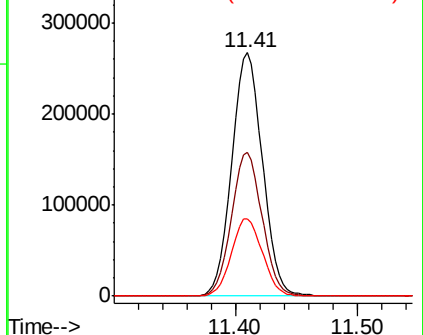
119 31.9 25.5 38.3

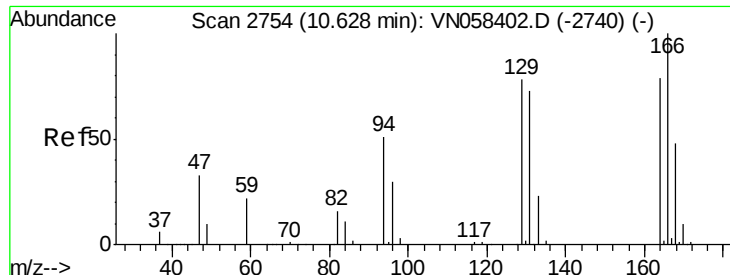


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 5.830 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:164 Resp: 17315

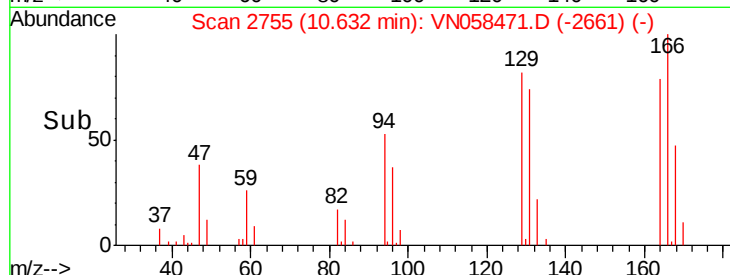
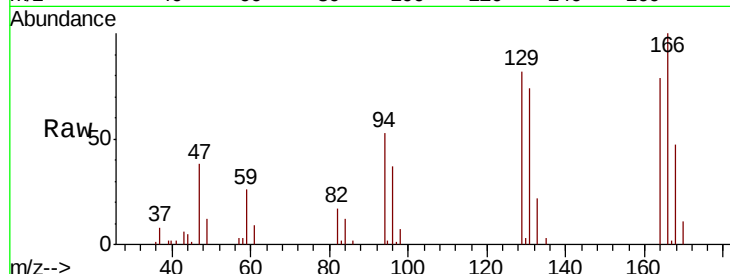
Ion Ratio Lower Upper

164 100

166 126.5 101.1 151.7

129 103.6 79.2 118.8

131 93.8 74.1 111.1

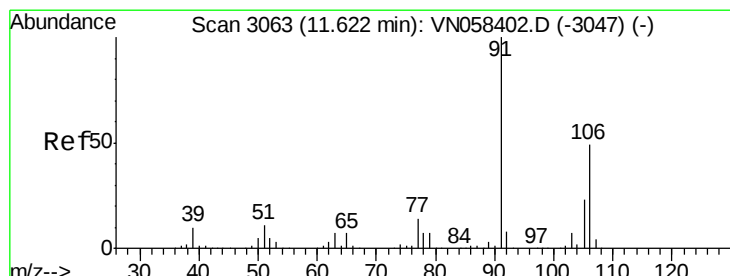
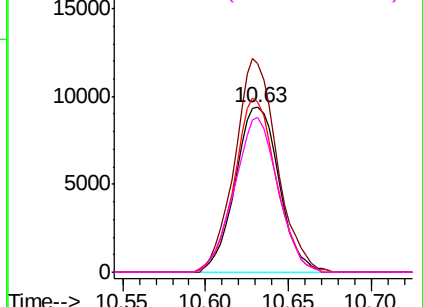


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.252 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN058471.D

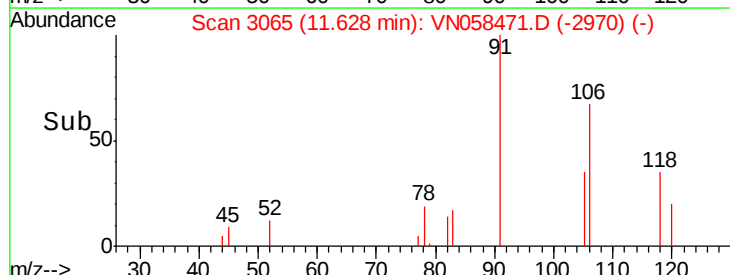
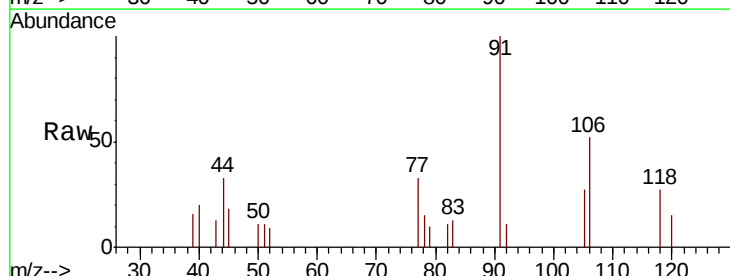
Acq: 1 Oct 2019 18:53

Tgt Ion:106 Resp: 1597

Ion Ratio Lower Upper

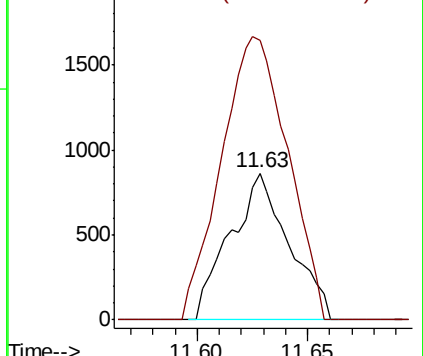
106 100

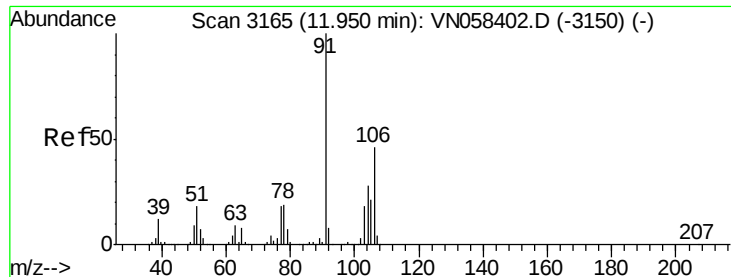
91 218.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

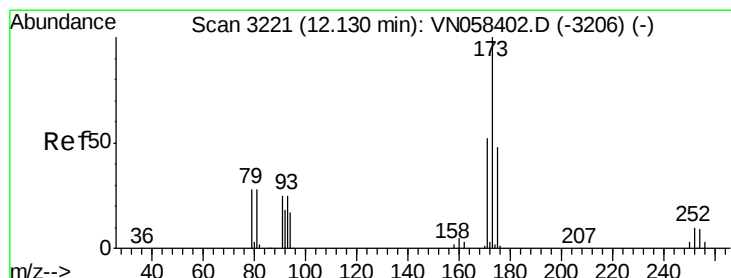
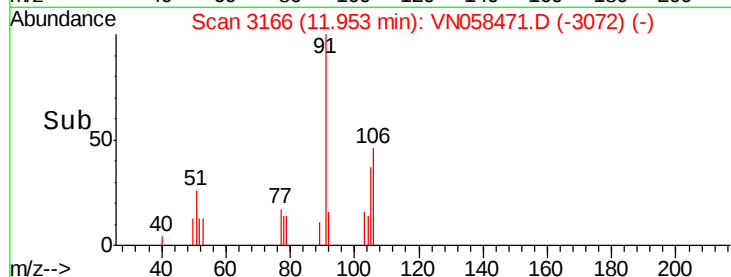
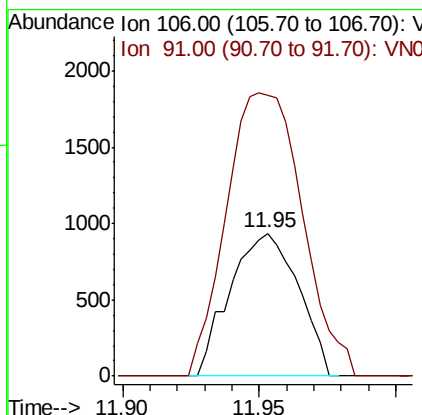
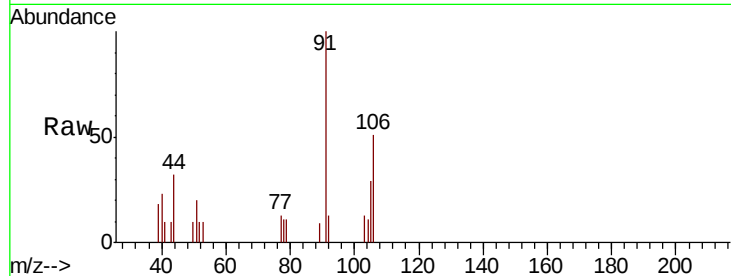




#69
o-Xylene
Concen: 0.268 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

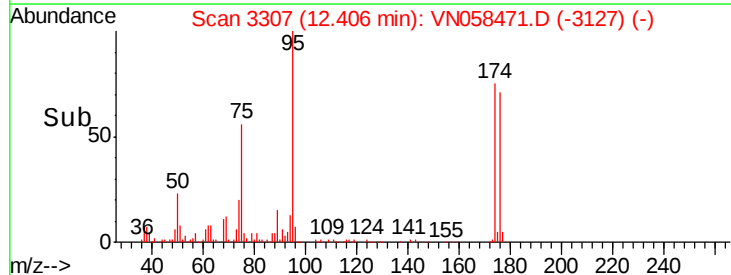
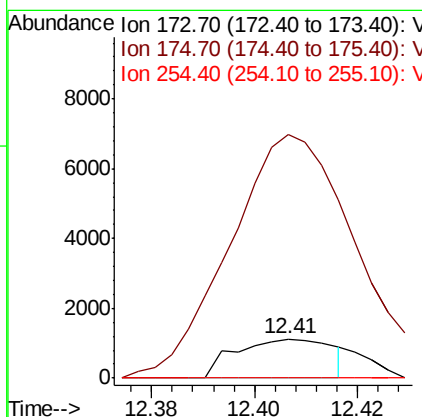
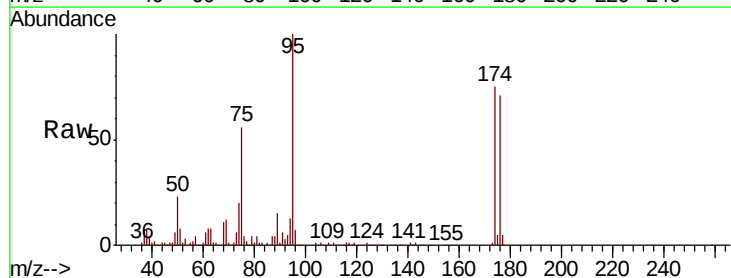
Instrument :
MSVOA_N
ClientSampled :
MW-1

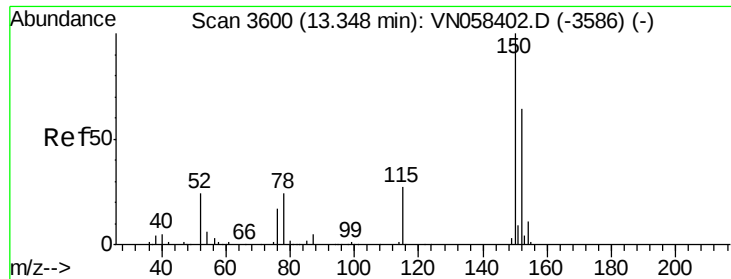
Tot Ion:106 Resp: 1631
Ion Ratio Lower Upper
106 100
91 220.7 109.1 327.4



#71
Bromoform
Concen: 1.363 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion:173 Resp: 1467
Ion Ratio Lower Upper
173 100
175 653.4 24.3 73.0#
254 0.0 0.1 0.1#



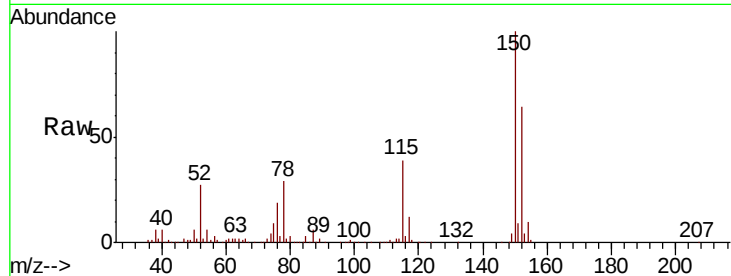


#72

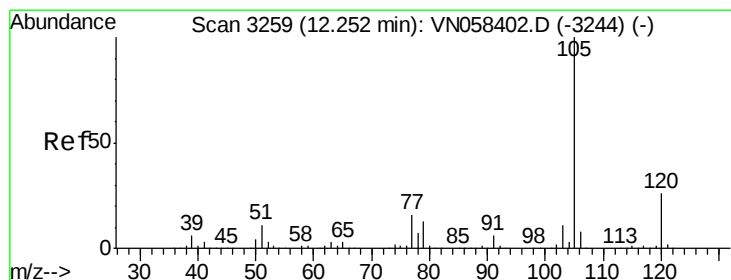
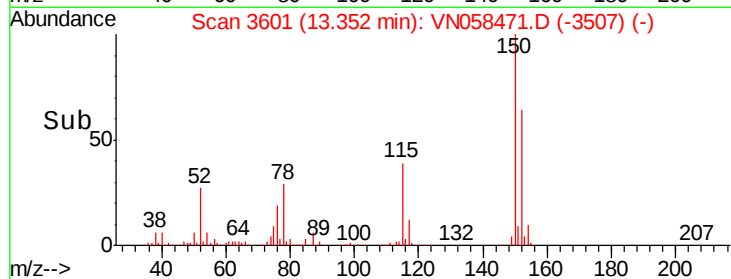
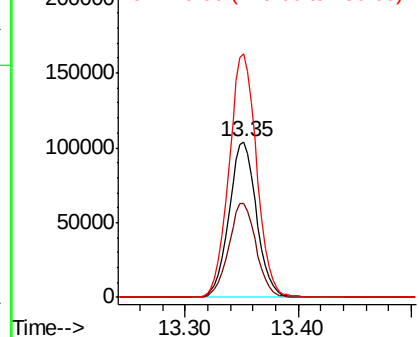
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion:152 Resp: 175561
Ion Ratio Lower Upper
152 100
115 60.5 30.0 90.0
150 157.0 0.0 348.2



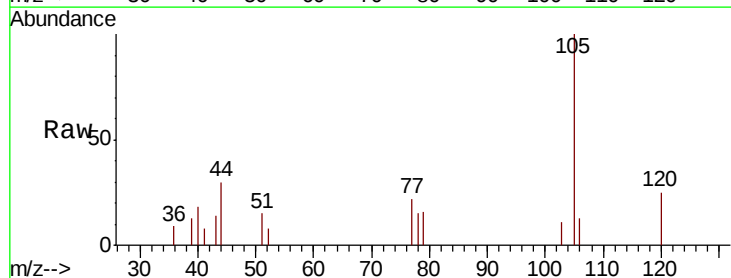
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



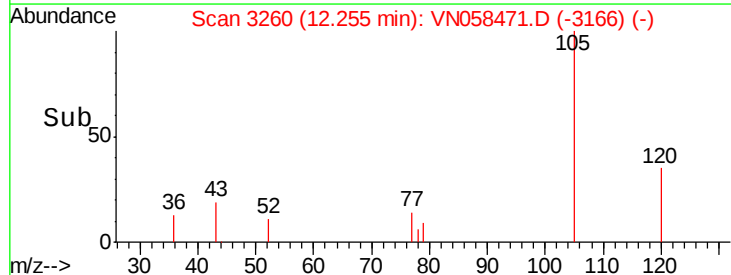
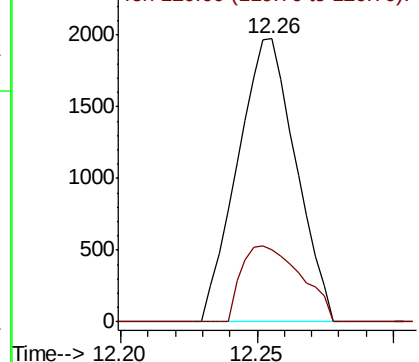
#73

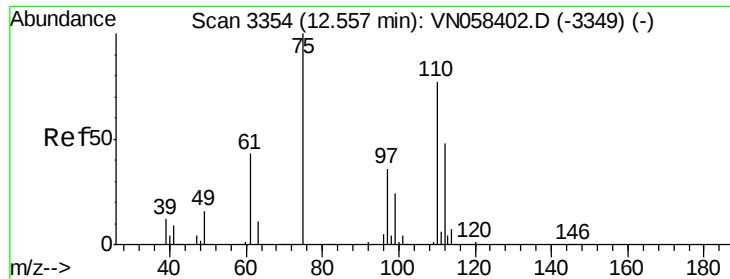
Isopropylbenzene
Concen: 0.226 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion:105 Resp: 2927
Ion Ratio Lower Upper
105 100
120 27.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 38.449 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

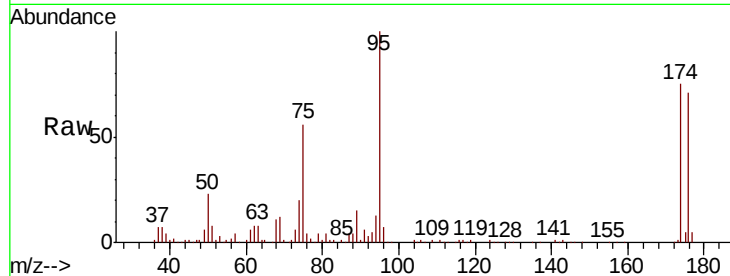
MW-1

Tot Ion: 75 Resp: 123293

Ion Ratio Lower Upper

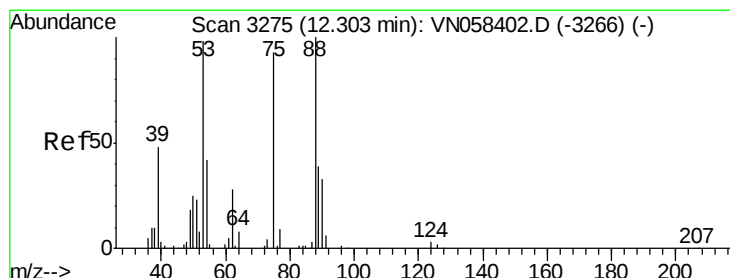
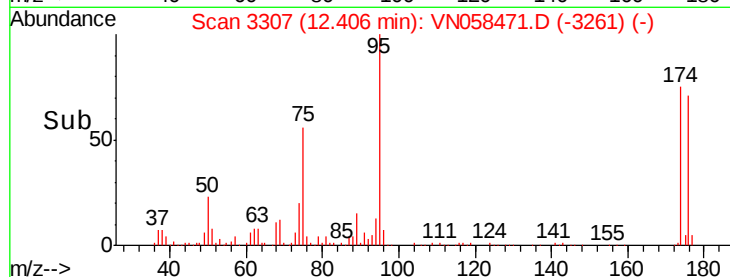
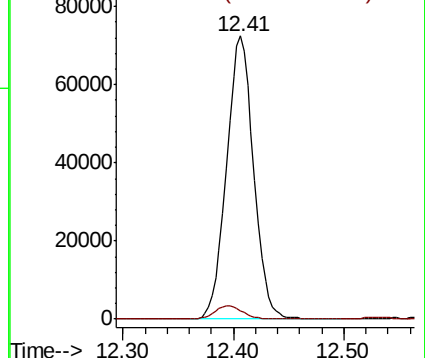
75 100

77 4.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 116.775 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

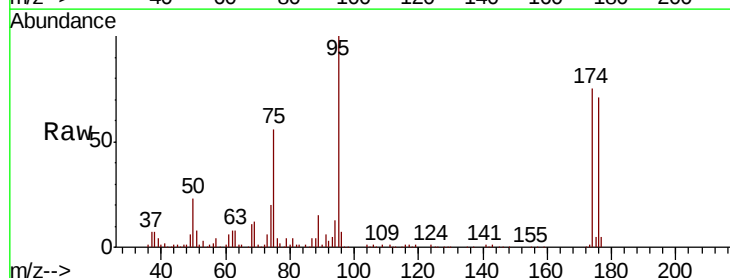
Tgt Ion: 75 Resp: 123293

Ion Ratio Lower Upper

75 100

53 11.4 85.4 128.0#

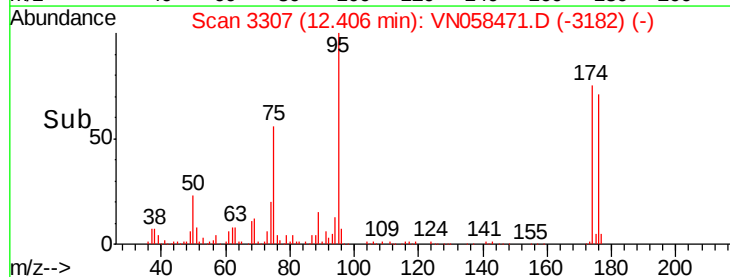
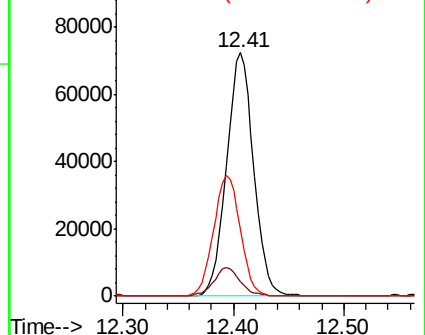
89 48.5 35.0 52.4

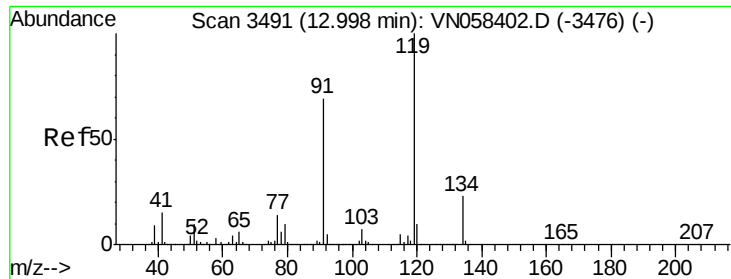


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

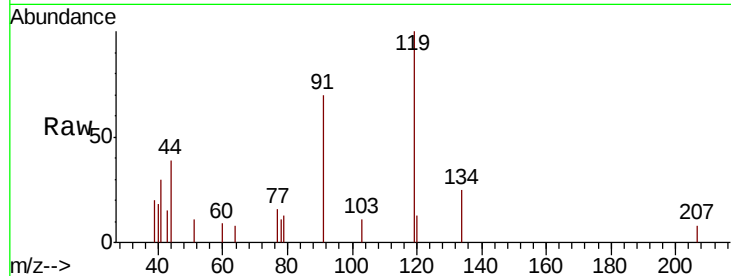




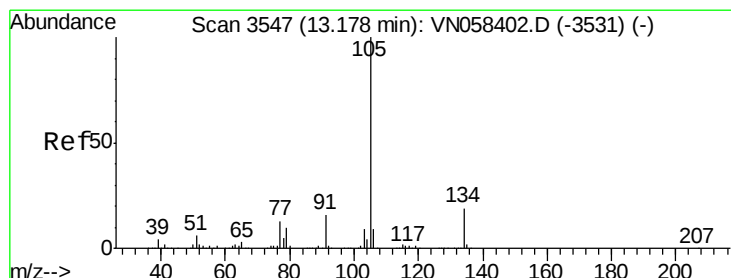
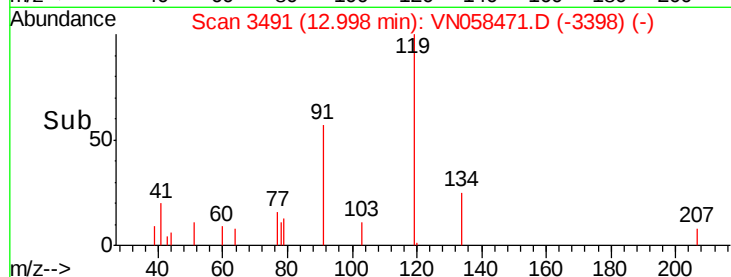
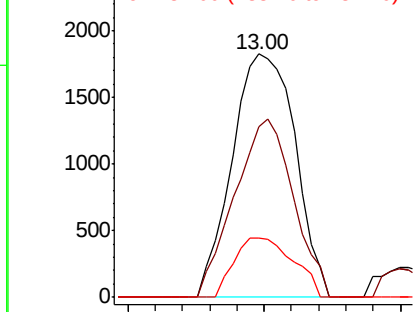
#83
tert-Butylbenzene
Concen: 0.319 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion:119 Resp: 2924
Ion Ratio Lower Upper
119 100
91 68.4 34.2 102.6
134 22.9 11.6 34.8

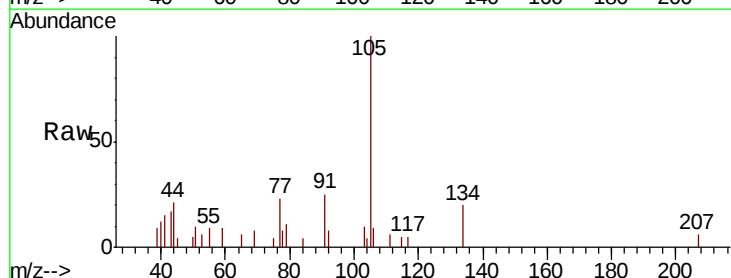


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

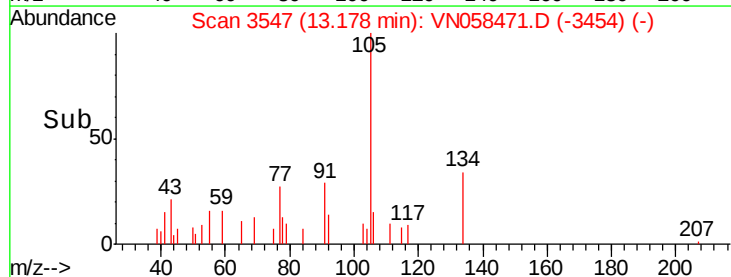
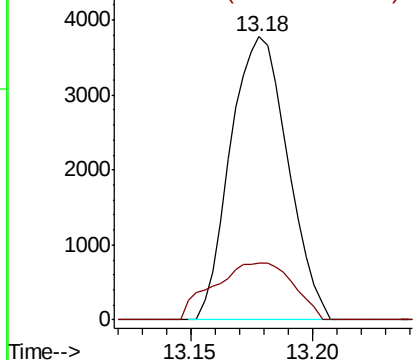


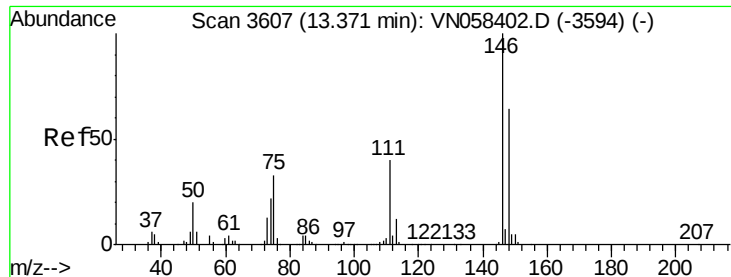
#85
sec-Butylbenzene
Concen: 0.510 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion:105 Resp: 6147
Ion Ratio Lower Upper
105 100
134 27.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

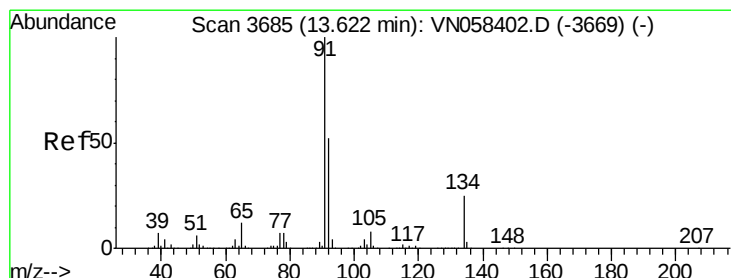
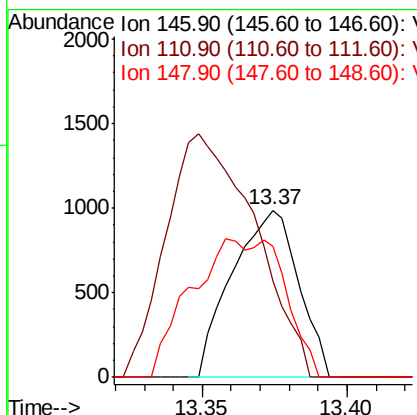
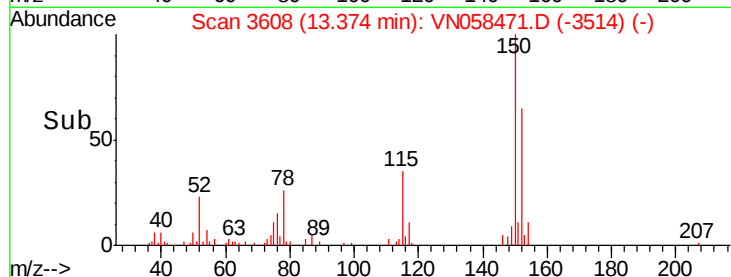
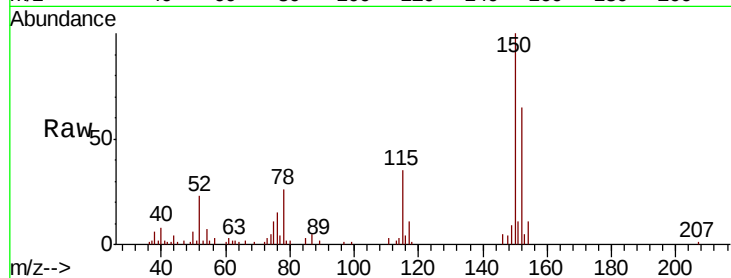




#88
 1,4-Dichlorobenzene
 Concen: 0.286 ug/l
 RT: 13.37 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

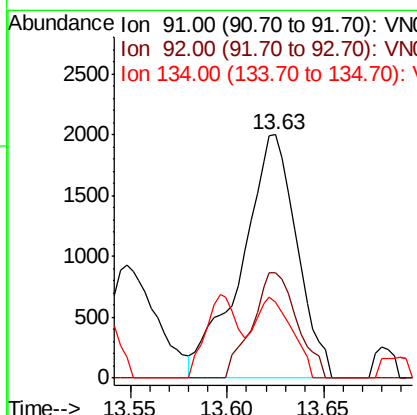
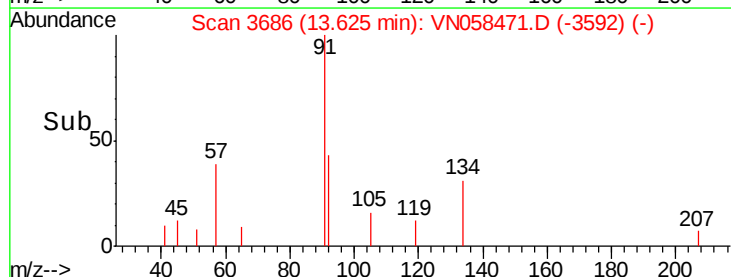
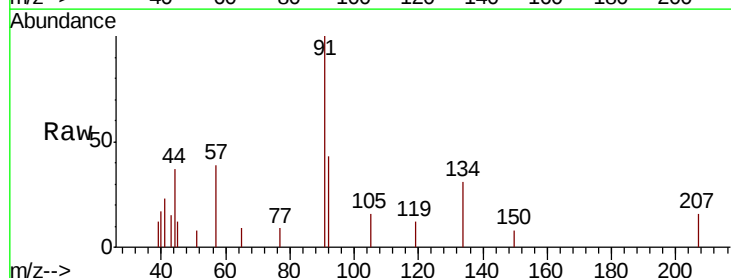
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

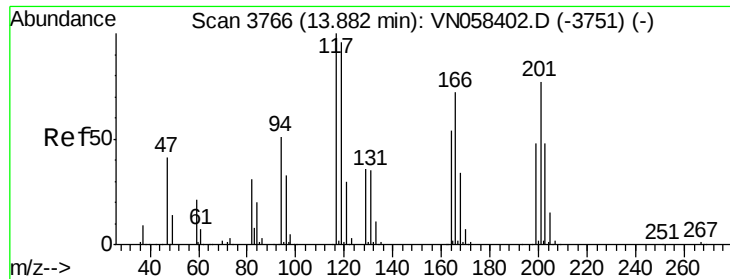
Tot Ion:146 Resp: 1571
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.5 61.6#
 148 0.0 31.5 94.5#



#89
 n-Butylbenzene
 Concen: 0.412 ug/l
 RT: 13.63 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 91 Resp: 3961
 Ion Ratio Lower Upper
 91 100
 92 35.1 25.7 77.1
 134 22.3 12.2 36.6





#90

Hexachloroethane

Concen: 3.982 ug/l

RT: 14.00 min Scan# 3804

Delta R.T. 0.12 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

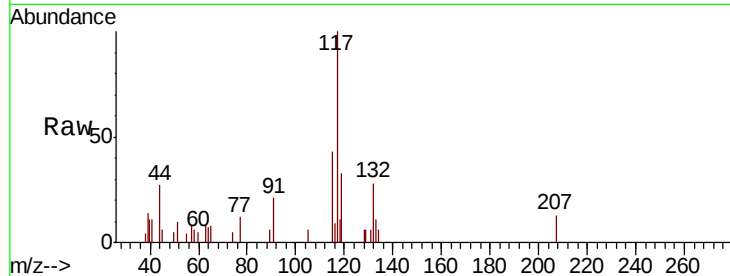
MW-1

Tot Ion:117 Resp: 6352

Ion Ratio Lower Upper

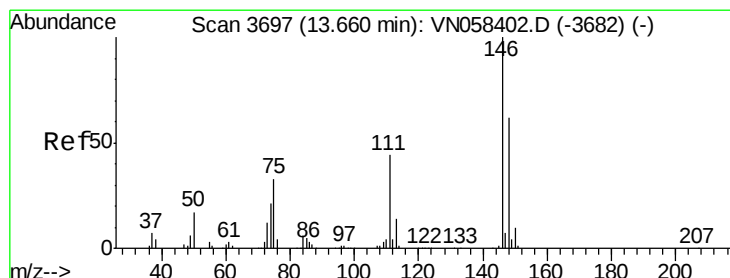
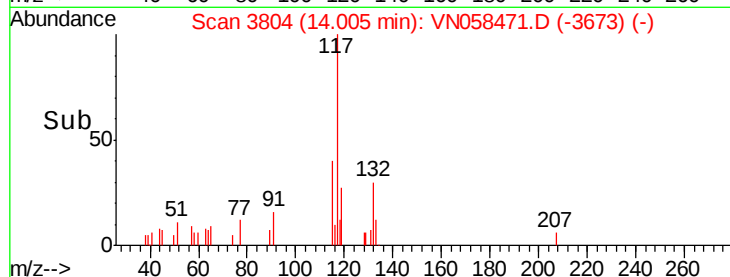
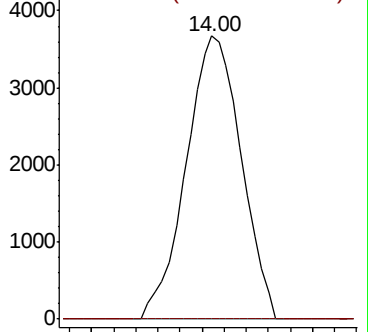
117 100

201 0.0 38.6 116.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.528 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

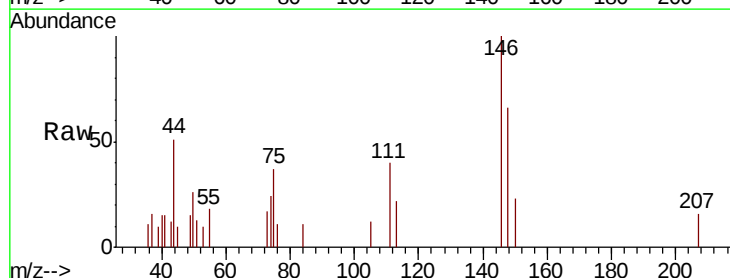
Tgt Ion:146 Resp: 2796

Ion Ratio Lower Upper

146 100

111 34.3 21.8 65.3

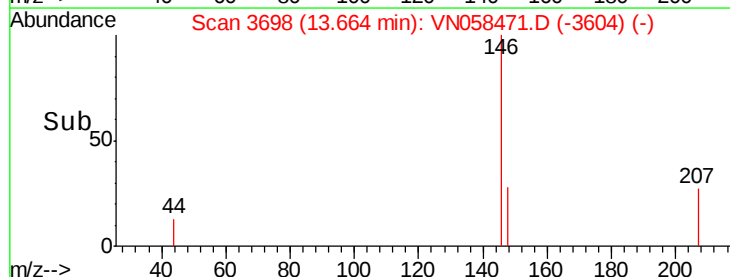
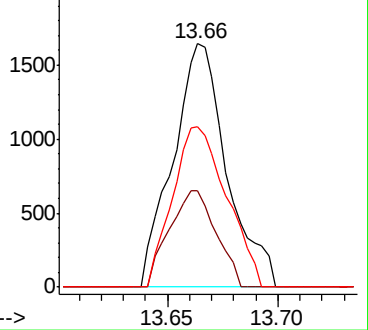
148 66.0 31.5 94.5

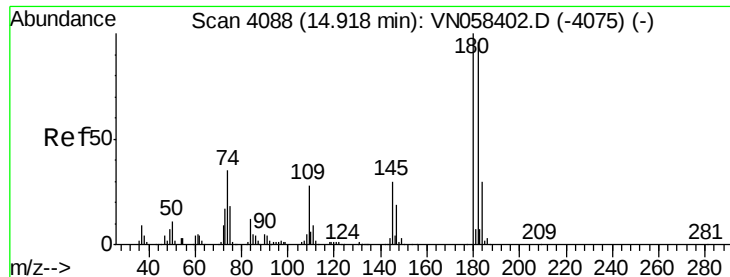


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2,4-Trichlorobenzene

Concen: 0.910 ug/l

RT: 14.92 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampleId :

MW-1

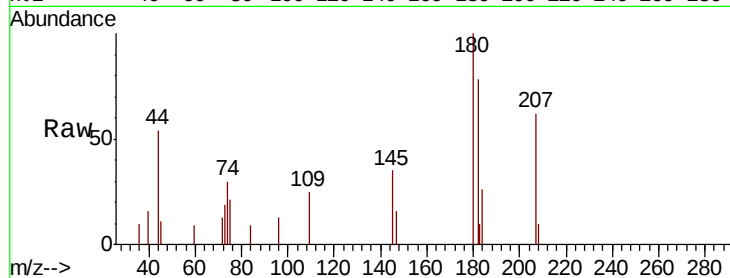
Tot Ion:180 Resp: 2666

Ion Ratio Lower Upper

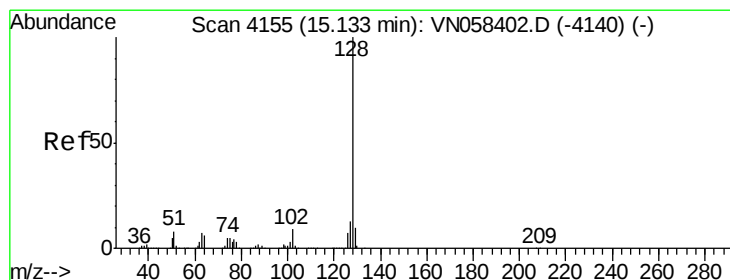
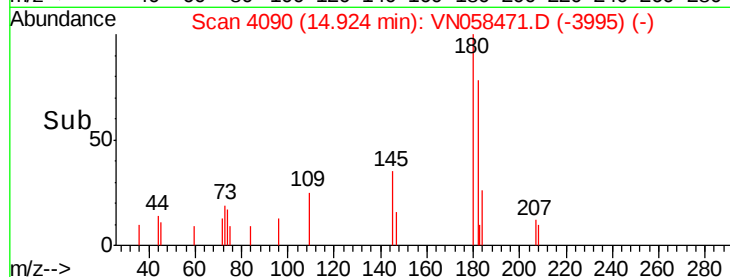
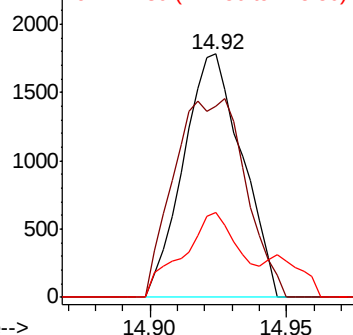
180 100

182 99.4 47.4 142.3

145 34.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 1.285 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

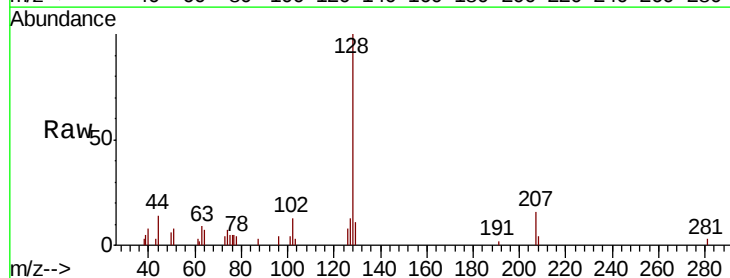
Tgt Ion:128 Resp: 11266

Ion Ratio Lower Upper

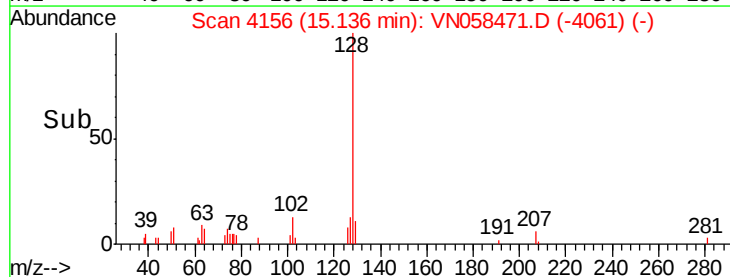
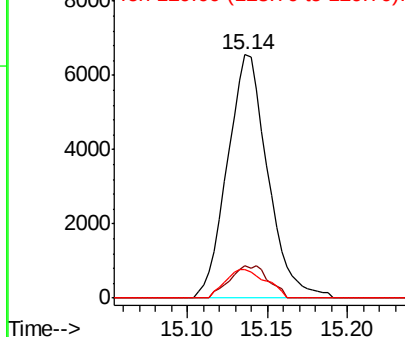
128 100

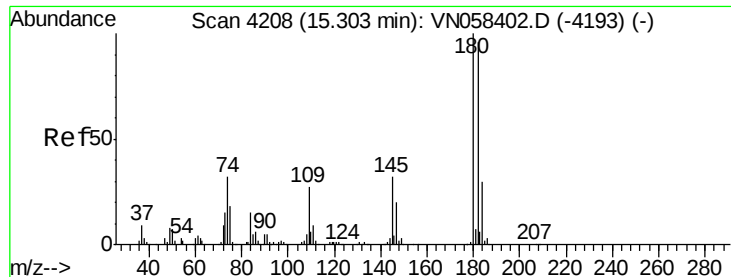
127 12.7 10.2 15.4

129 11.8 8.3 12.5



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

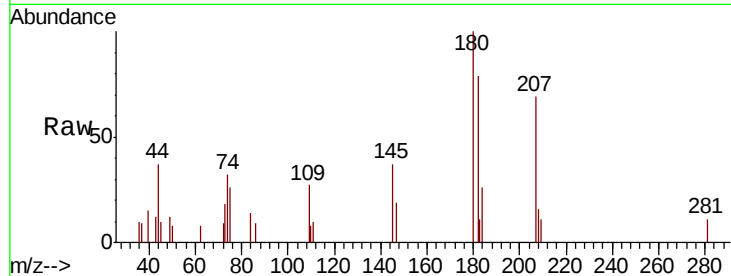




#96
 1,2,3-Trichlorobenzene
 Concen: 1.080 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tot Ion:180 Resp: 3244
 Ion Ratio Lower Upper
 180 100
 182 88.8 48.3 144.9
 145 35.6 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

