

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063039.D
 Acq On : 20 Aug 2020 16:24
 Operator : JC/MD
 Sample : L3766-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

Quant Time: Aug 21 05:43:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31081	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	156300	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	145795	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	65699	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.38	95	60348	26.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.30%
63) Toluene-d8	10.06	98	189844	28.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.57%

Target Compounds

					Ovalue
4) Vinyl Chloride	2.16	62	925	0.374	ug/l 98
8) Diethyl Ether	3.37	74	3152	3.175	ug/l 98
12) Methyl Acetate	4.28	43	420	0.217	ug/l # 52
13) Acrolein	3.75	56	537	2.710	ug/l # 27
14) Acrylonitrile	4.73	53	13434	15.869	ug/l # 21
15) Acetone	3.77	58	28987	118.313	ug/l # 57
16) Carbon Disulfide	4.01	76	2015	0.518	ug/l # 76
17) Allyl chloride	4.22	41	11557	4.342	ug/l # 36
22) cis-1,2-Dichloroethene	6.78	96	912	0.461	ug/l # 1
23) tert-Butyl Alcohol	4.73	59	1524237	5496.005	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	8010	1.505	ug/l 96
30) 2-Butanone	6.78	43	99066	93.638	ug/l # 86
31) 2,2-Dichloropropane	6.78	77	90842	32.925	ug/l # 53
34) Benzene	8.00	78	26982	3.709	ug/l # 52
35) Methacrylonitrile	7.17	41	211582	210.422	ug/l # 49
36) 1,2-Dichloroethane	8.09	62	1066	0.430	ug/l # 74
43) Ethyl Acetate	7.17	43	84141	41.668	ug/l 100
44) Isopropyl Acetate	8.09	43	8203	2.420	ug/l # 54
45) 1,4-Dioxane	9.17	88	3200	100.788	ug/l 99
50) 1,1,2-Trichloroethane	10.43	97	453	0.239	ug/l # 15
55) 2-Chloroethyl vinyl ether	10.12	63	1023	1.932	ug/l # 1
56) Bromoform	12.38	173	521	0.342	ug/l # 1
58) 4-Methyl-2-Pentanone	9.95	43	13841	6.599	ug/l # 81
59) 2-Hexanone	10.69	43	63048	42.141	ug/l # 34
62) Toluene	10.13	91	15931	2.062	ug/l 98
64) Chlorobenzene	11.41	112	3629	0.759	ug/l 98
67) m/p-Xylenes	11.59	106	22307	7.069	ug/l 98
68) o-Xylene	11.92	106	14962	4.936	ug/l 97
69) Styrene	11.93	104	1925	0.364	ug/l # 1
70) Isopropylbenzene	12.63	105	7686	0.932	ug/l 91
72) 1,2,3-Trichloropropane	12.38	75	30180	12.863	ug/l 1
75) 2-Chlorotoluene	12.63	91	1311	0.222	ug/l 63
76) 1,3,5-Trimethylbenzene	12.71	105	4668	0.663	ug/l 100
77) t-1,4-Dichloro-2-butene	12.21	75	548	0.661	ug/l # 12
78) 4-Chlorotoluene	12.87	91	1226	0.202	ug/l 90
80) 1,2,4-Trimethylbenzene	13.02	105	14639	2.137	ug/l 98
82) p-Isopropyltoluene	13.26	119	11728	1.622	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063039.D
 Acq On : 20 Aug 2020 16:24
 Operator : JC/MD
 Sample : L3766-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

Quant Time: Aug 21 05:43:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

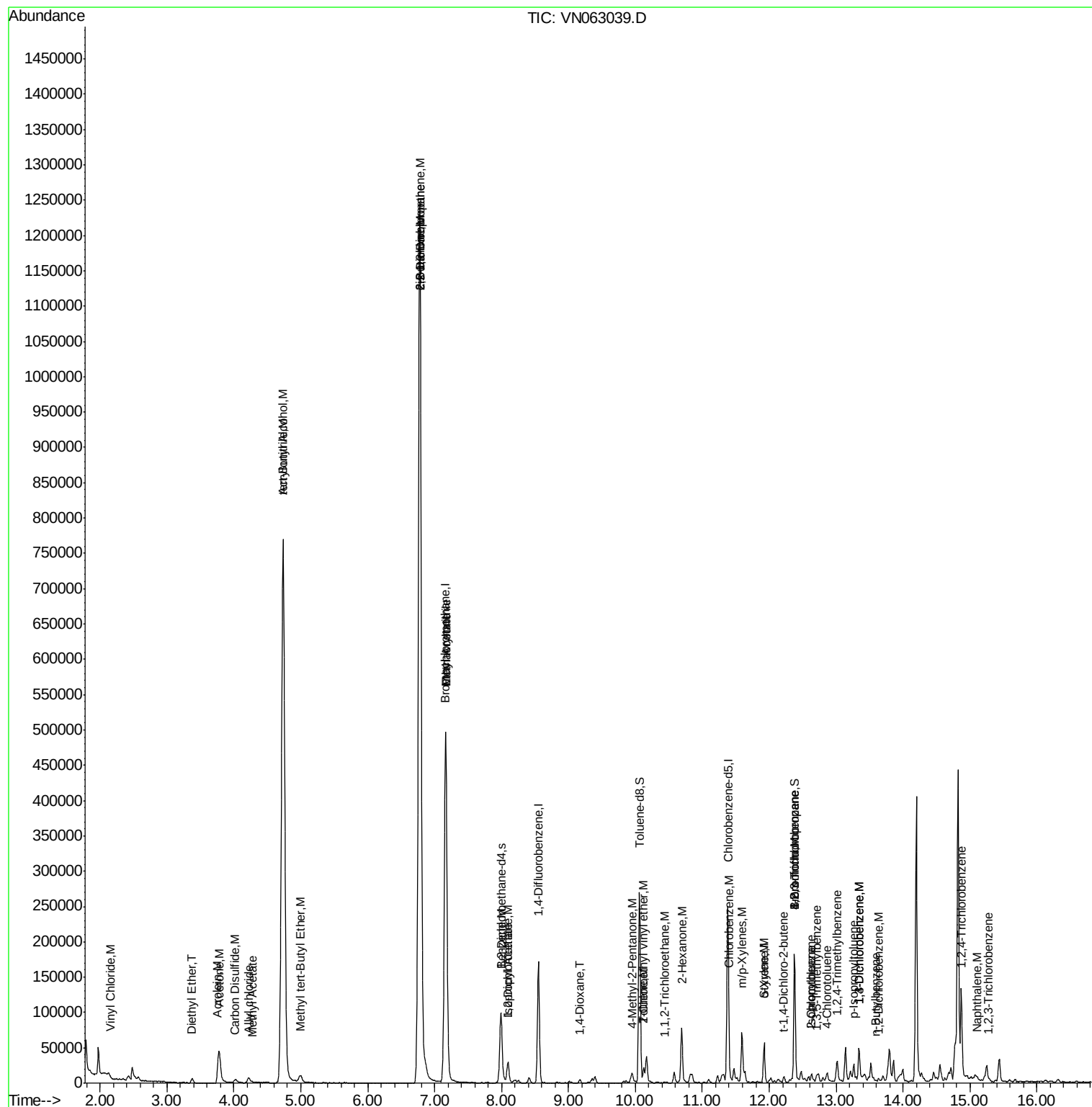
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) 1,3-Dichlorobenzene	13.34	146	14538	3.745	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	14538	3.831	ug/l	99
85) n-Butylbenzene	13.59	91	1336	0.222	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	1303	0.350	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	752	0.410	ug/l #	79
91) Naphthalene	15.11	128	5341	1.317	ug/l	98
92) 1,2,3-Trichlorobenzene	15.29	180	865	0.472	ug/l #	75

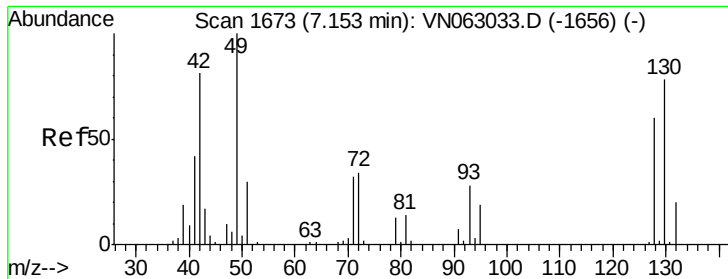
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200819016-02-VOA

Quant Time: Aug 21 05:43:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Aug 20 14:01:17 2020
Response via : Initial Calibration

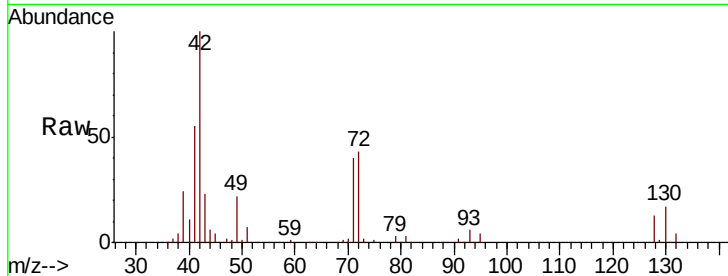




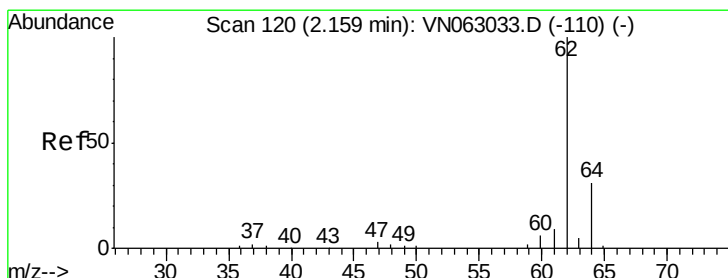
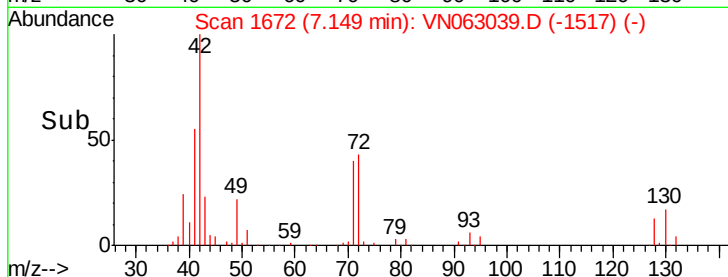
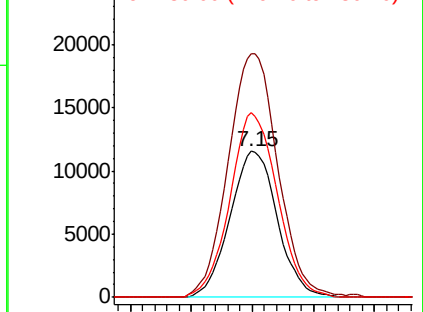
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

Tot Ion:128 Resp: 31081
 Ion Ratio Lower Upper
 128 100
 49 174.7 0.0 437.5
 130 126.5 0.0 327.3

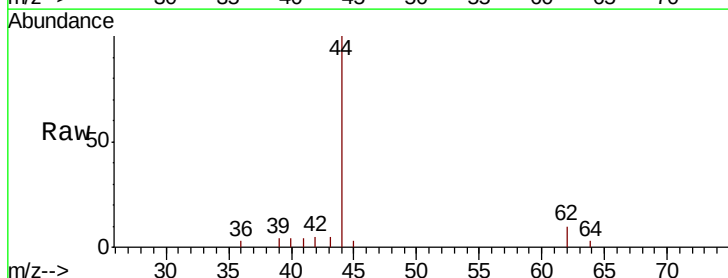


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): V
 Ion 130.00 (129.70 to 130.70): V

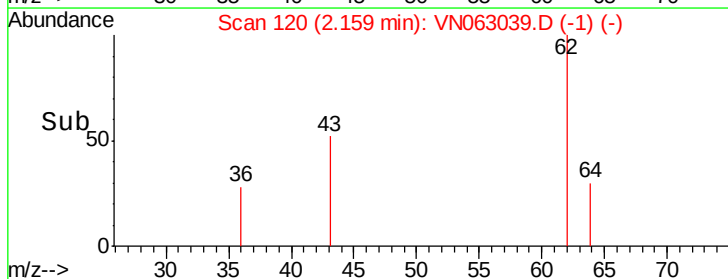
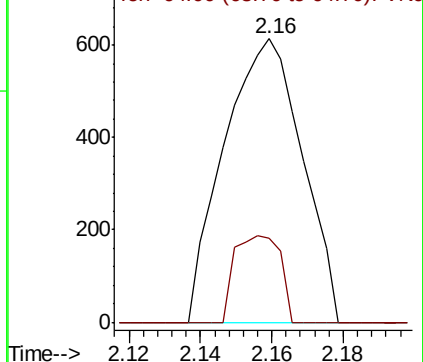


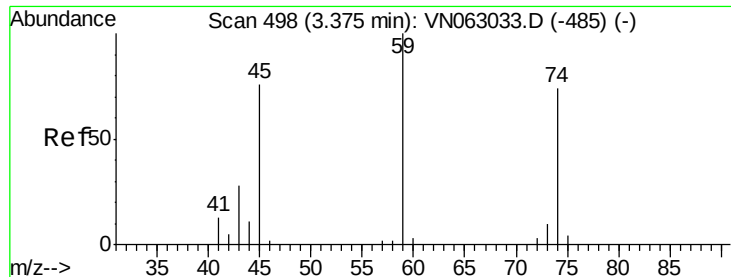
#4
 Vinyl Chloride
 Concen: 0.374 ug/l
 RT: 2.16 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 62 Resp: 925
 Ion Ratio Lower Upper
 62 100
 64 29.9 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): V
 Ion 64.00 (63.70 to 64.70): V





#8

Diethyl Ether

Concen: 3.175 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

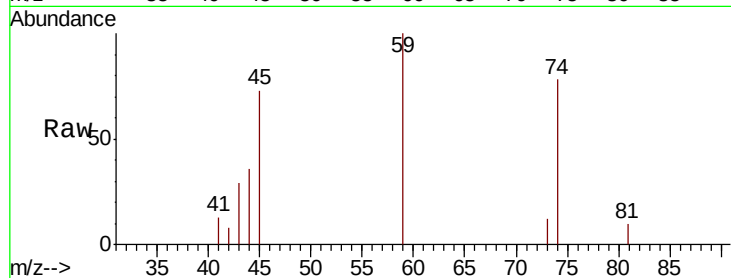
200819016-02-VOA

Tot Ion: 74 Resp: 3152

Ion Ratio Lower Upper

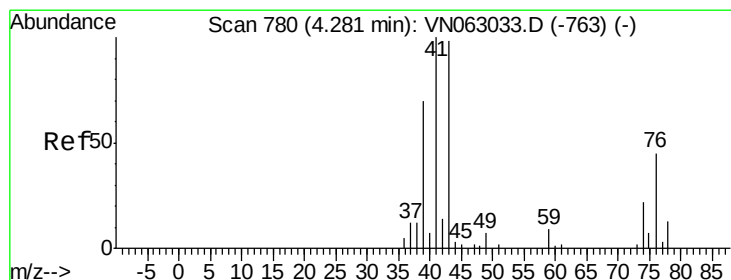
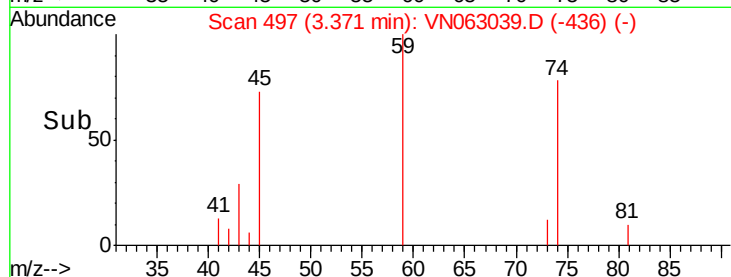
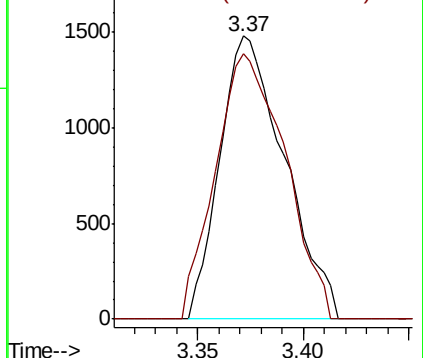
74 100

45 101.1 20.6 185.4



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#12

Methyl Acetate

Concen: 0.217 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN063039.D

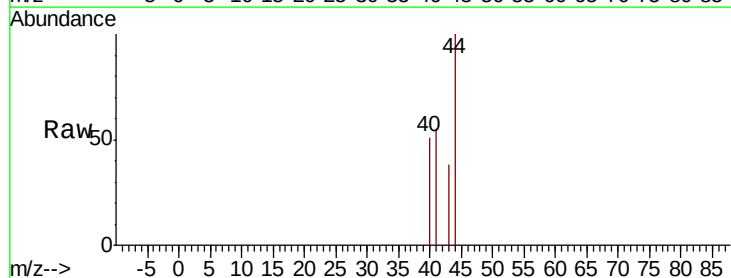
Acq: 20 Aug 2020 16:24

Tgt Ion: 43 Resp: 420

Ion Ratio Lower Upper

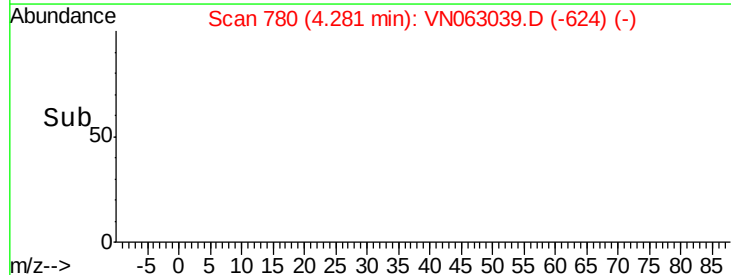
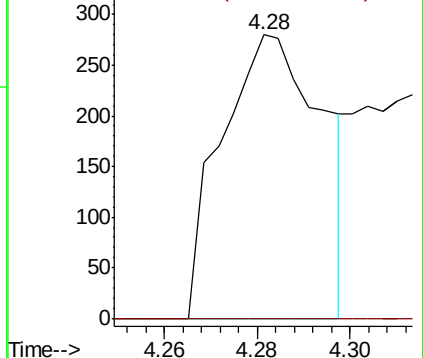
43 100

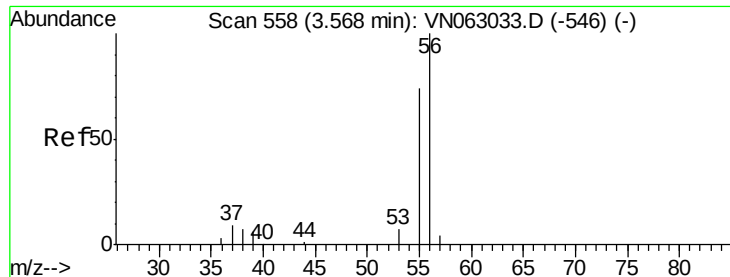
74 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#13

Acrolein

Concen: 2.710 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.18 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

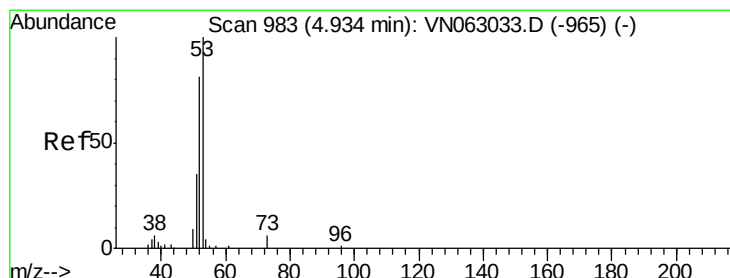
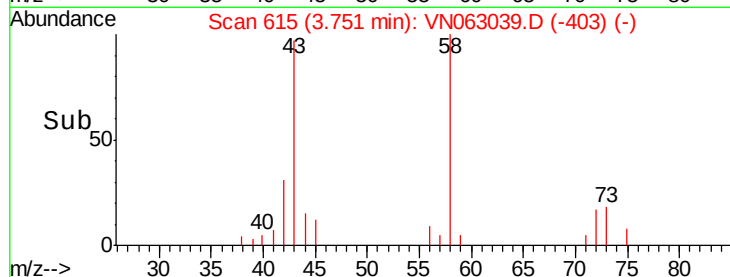
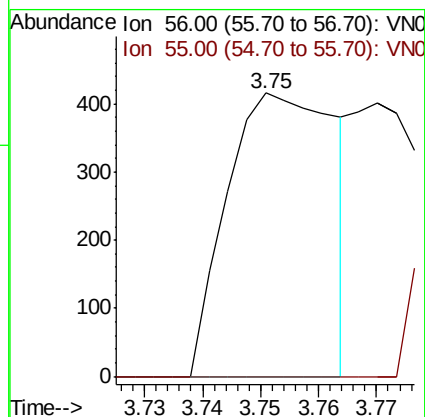
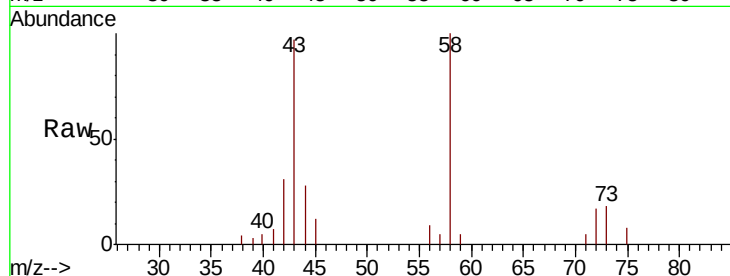
200819016-02-VOA

Tot Ion: 56 Resp: 537

Ion Ratio Lower Upper

56 100

55 11.9 58.7 88.1#



#14

Acrylonitrile

Concen: 15.869 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.20 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

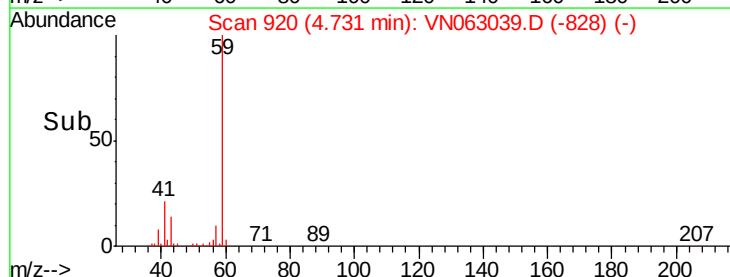
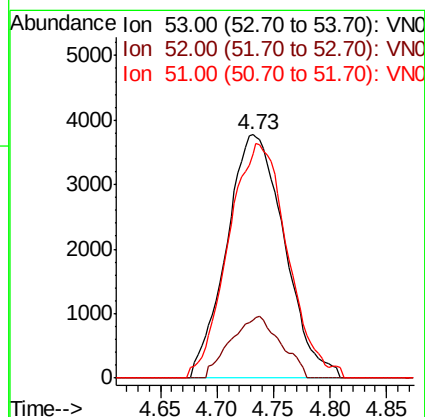
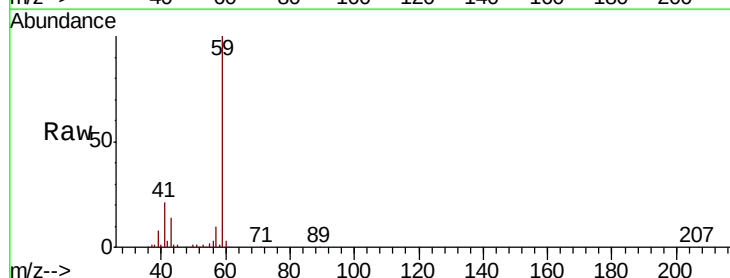
Tgt Ion: 53 Resp: 13434

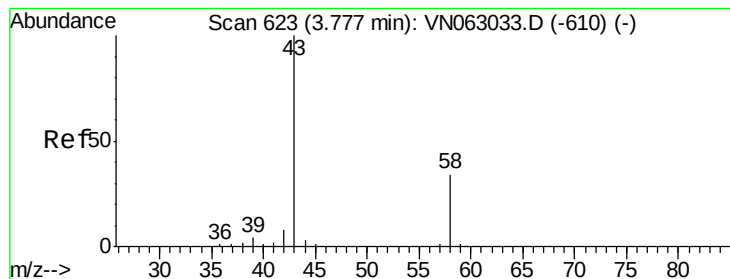
Ion Ratio Lower Upper

53 100

52 22.0 39.9 119.7#

51 97.7 17.0 51.0#





#15

Acetone

Concen: 118.313 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

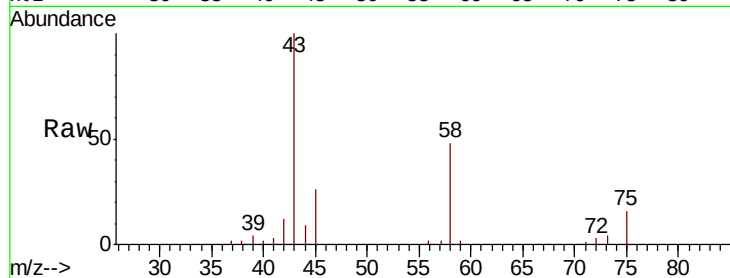
200819016-02-VOA

Tot Ion: 58 Resp: 28987

Ion Ratio Lower Upper

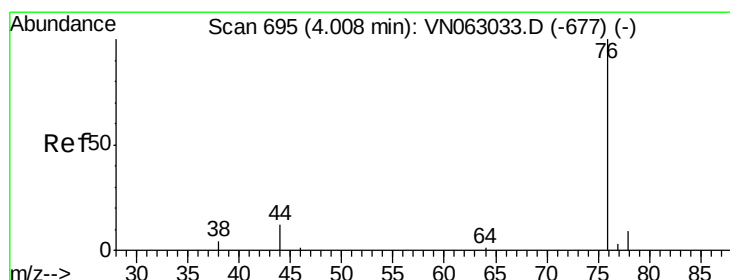
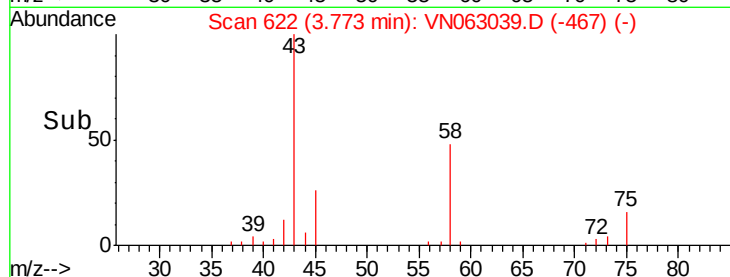
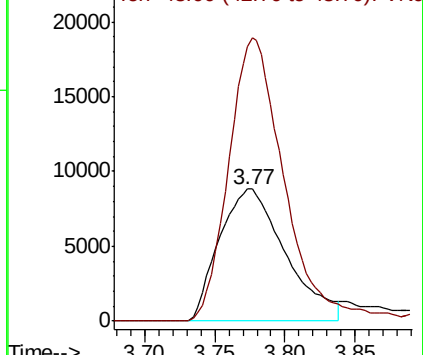
58 100

43 207.8 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 0.518 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN063039.D

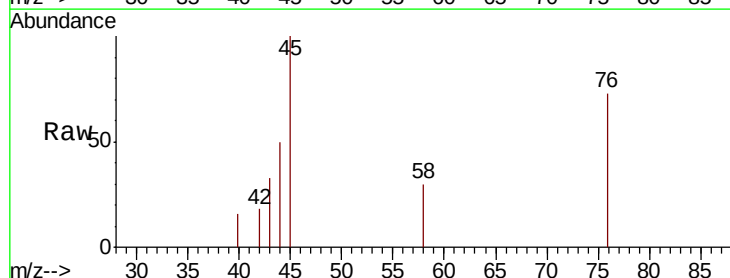
Acq: 20 Aug 2020 16:24

Tgt Ion: 76 Resp: 2015

Ion Ratio Lower Upper

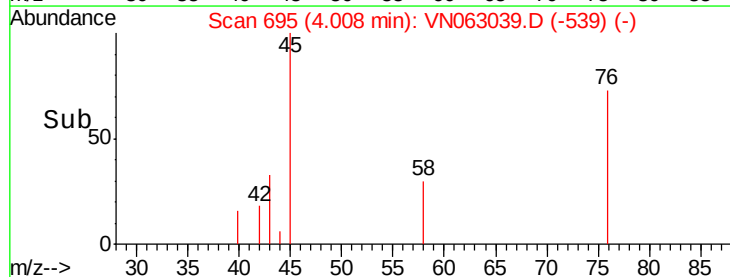
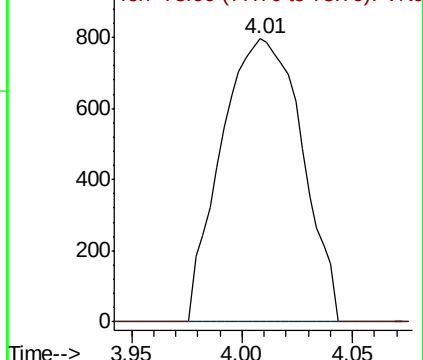
76 100

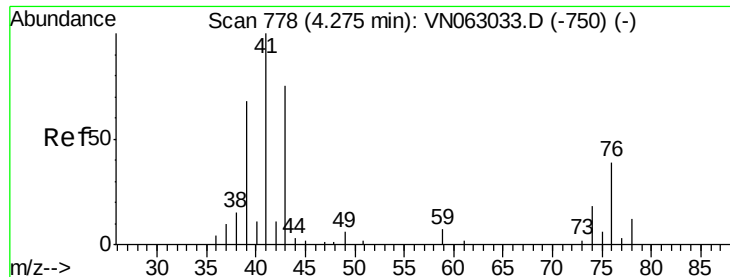
78 0.0 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

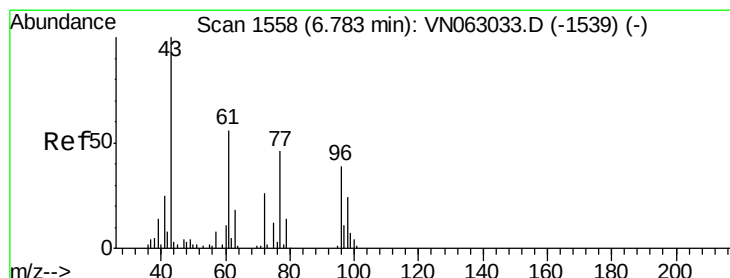
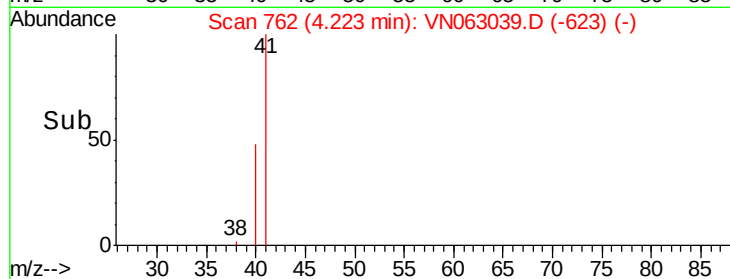
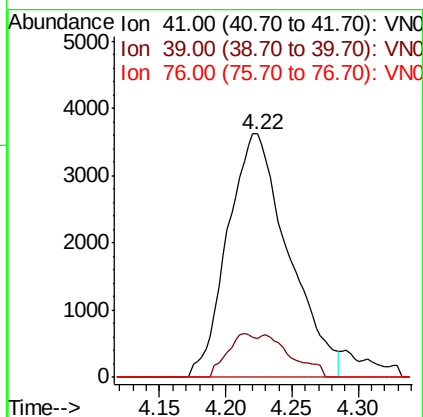
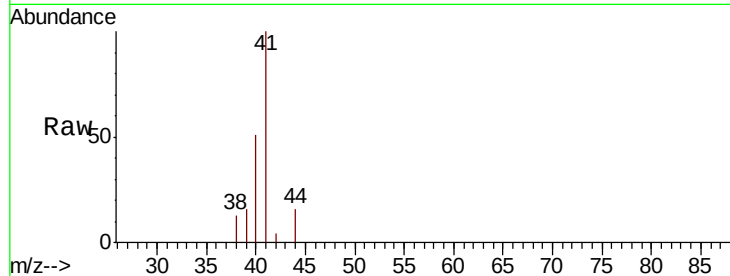




#17
 Allvl chloride
 Concen: 4.342 ug/l
 RT: 4.22 min Scan# 762
 Delta R.T. -0.05 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

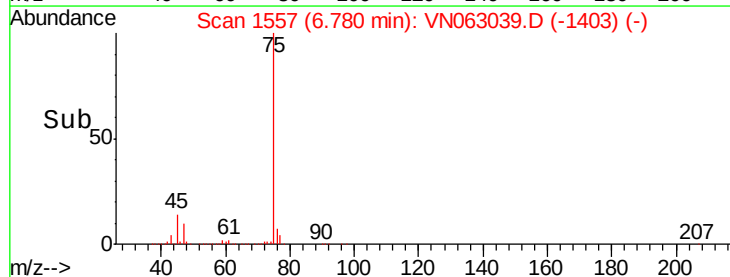
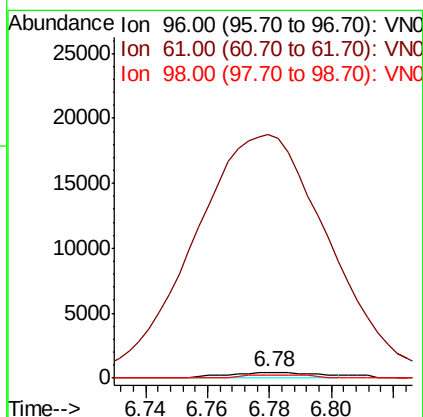
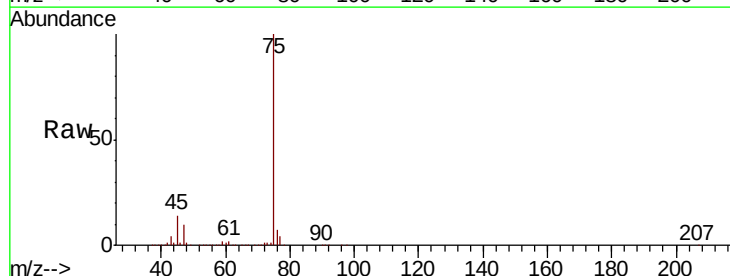
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

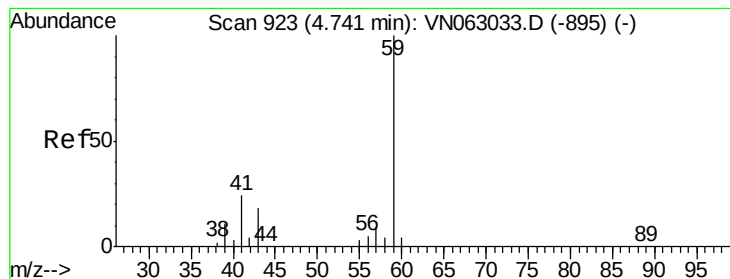
Tot Ion: 41 Resp: 11557
 Ion Ratio Lower Upper
 41 100
 39 15.7 33.8 101.4#
 76 0.0 19.4 58.4#



#22
 cis-1,2-Dichloroethene
 Concen: 0.461 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 96 Resp: 912
 Ion Ratio Lower Upper
 96 100
 61 6437.5 120.9 181.3#
 98 39.9 50.3 75.5#



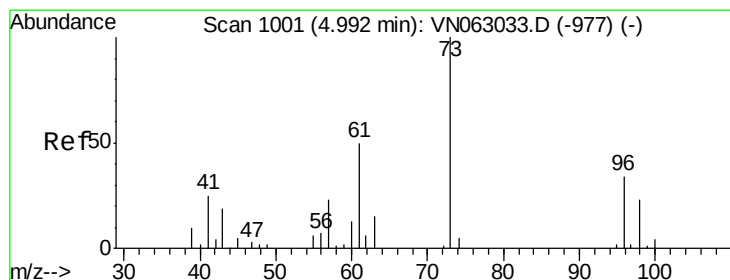
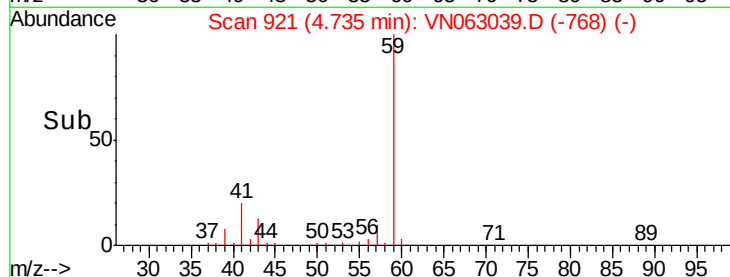
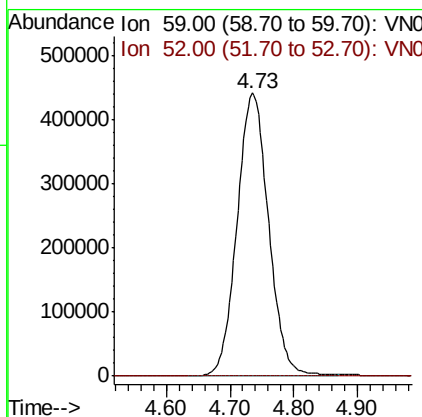
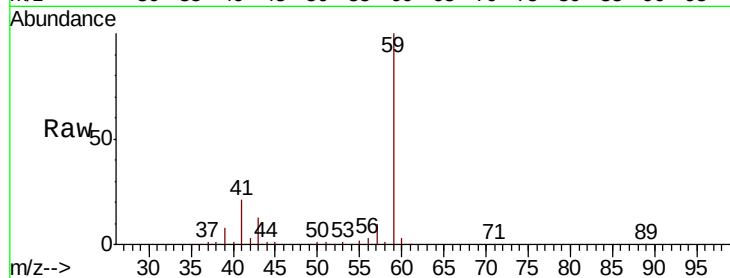


#23

tert-Butyl Alcohol
 Concen: 5496.005 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

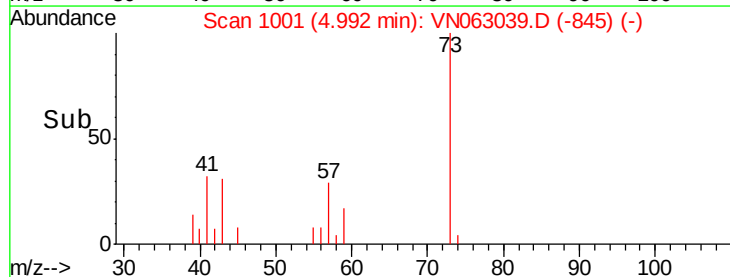
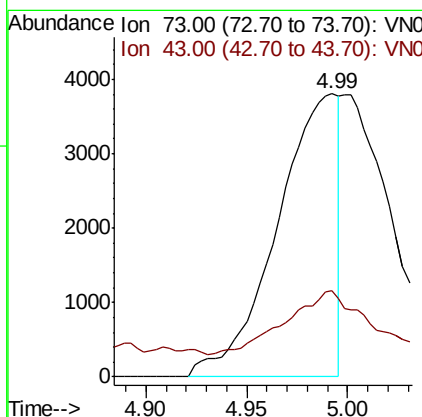
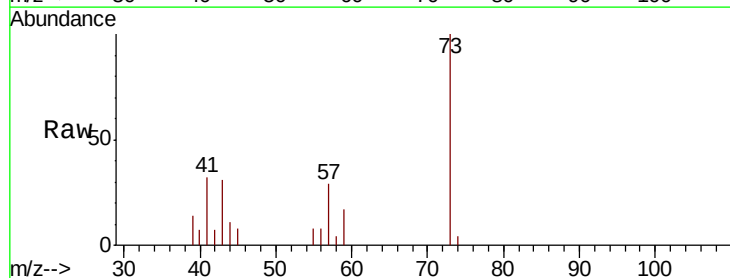
Tot Ion: 59 Resp: 1524237
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

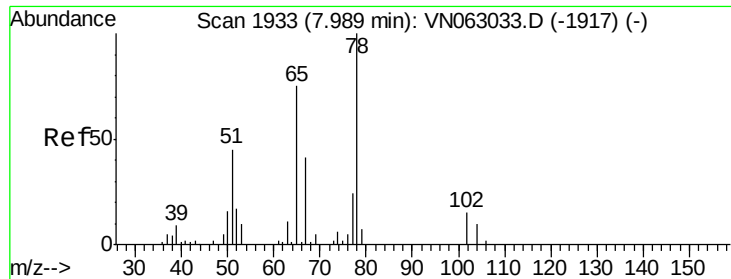


#24

Methyl tert-Butyl Ether
 Concen: 1.505 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 73 Resp: 8010
 Ion Ratio Lower Upper
 73 100
 43 21.6 15.8 23.6

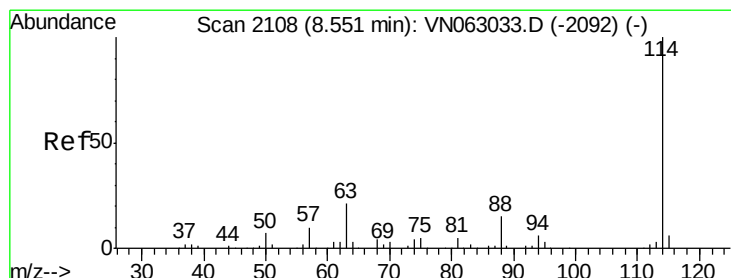
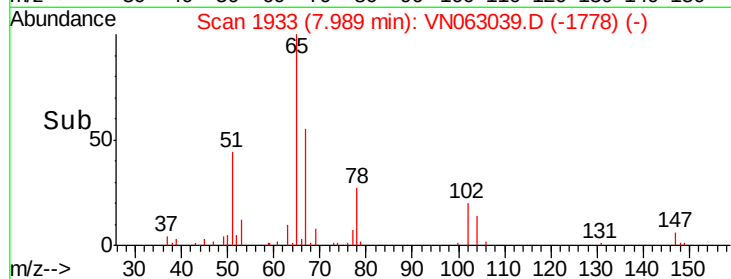
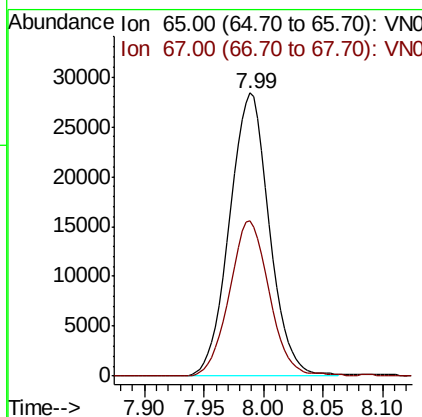
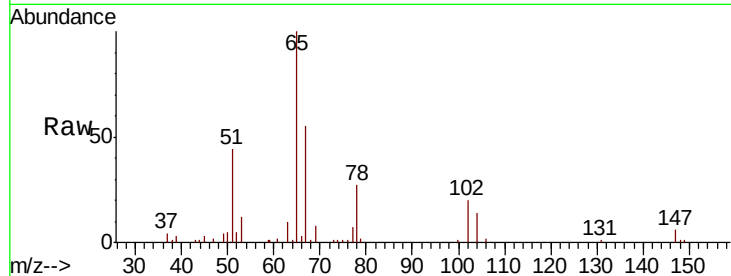




#27
 1,2-Dichloroethane-d4
 Concen: 29.833 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

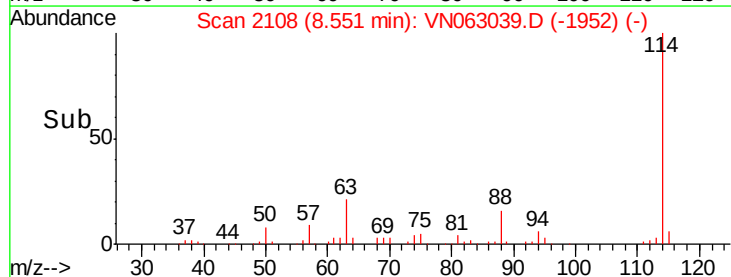
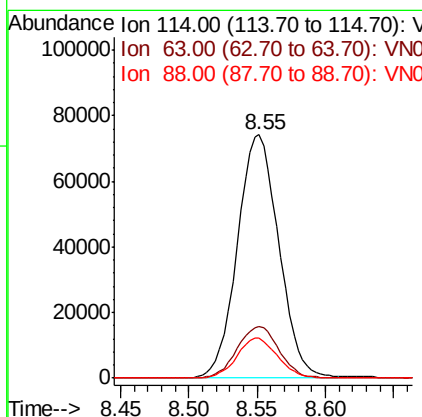
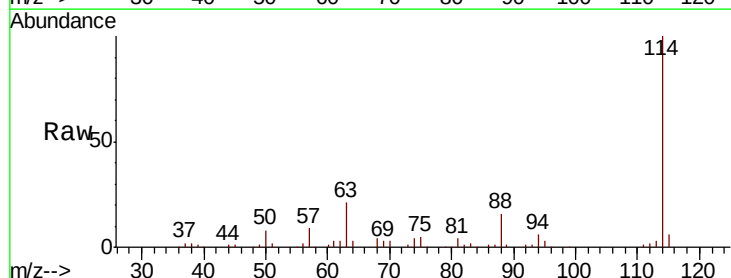
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

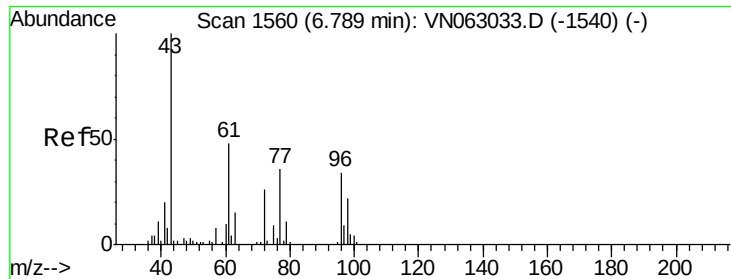
Tot Ion: 65 Resp: 65699
 Ion Ratio Lower Upper
 65 100
 67 55.0 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 114 Resp: 156300
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.0 25.6
 88 16.0 12.6 18.8

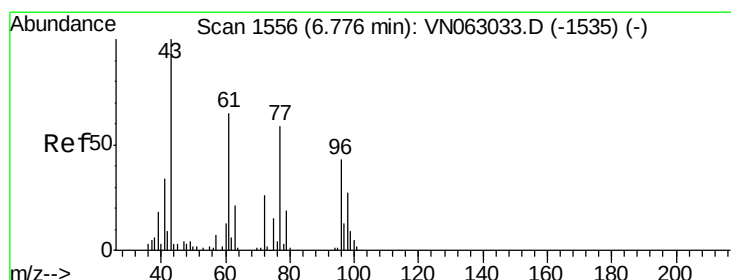
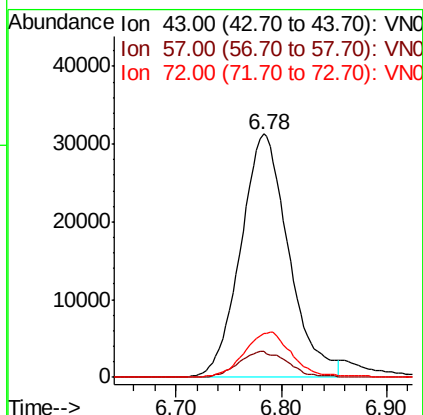
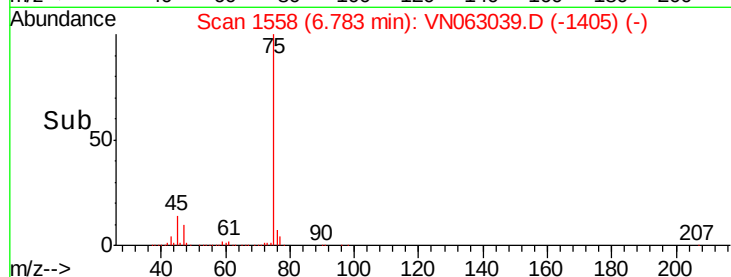
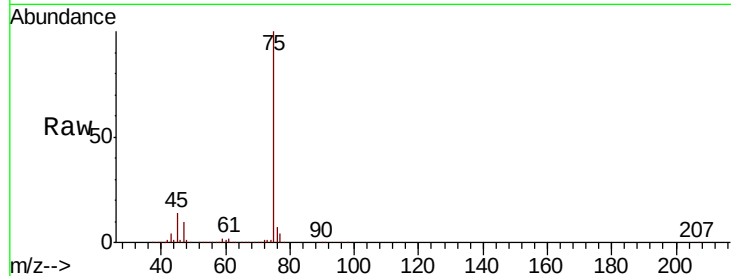




#30
2-Butanone
Concen: 93.638 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VN063039.D
Acq: 20 Aug 2020 16:24

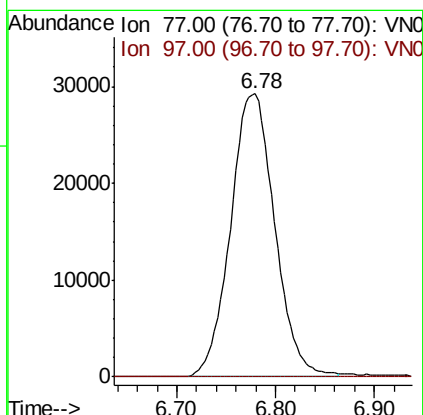
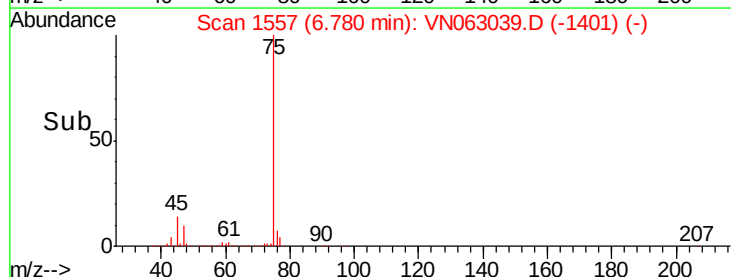
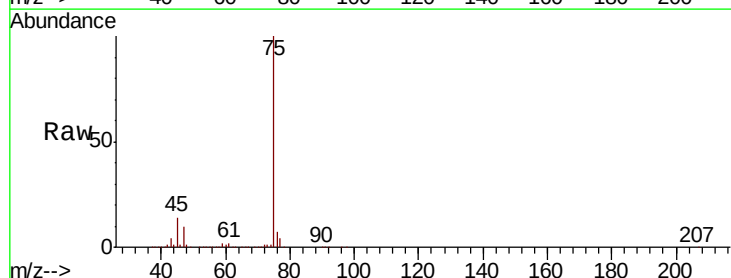
Instrument :
MSVOA_N
ClientSampleId :
200819016-02-VOA

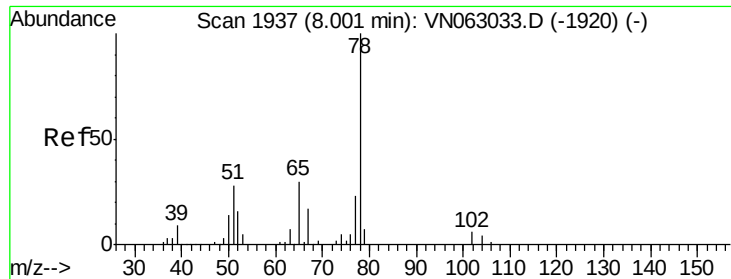
Tot Ion: 43 Resp: 99066
Ion Ratio Lower Upper
43 100
57 10.7 6.6 9.8#
72 18.1 21.3 31.9#



#31
2,2-Dichloropropane
Concen: 32.925 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN063039.D
Acq: 20 Aug 2020 16:24

Tgt Ion: 77 Resp: 90842
Ion Ratio Lower Upper
77 100
97 0.0 18.2 27.4#





#34

Benzene

Concen: 3.709 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

200819016-02-VOA

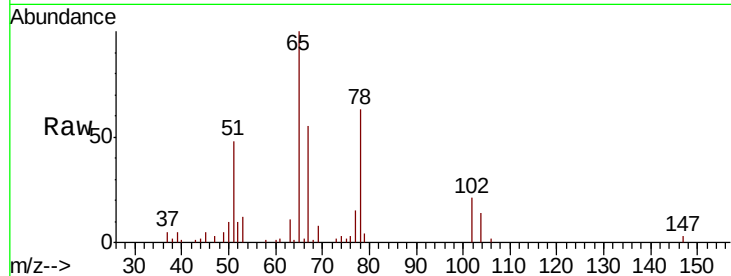
Tot Ion: 78 Resp: 26982

Ion Ratio Lower Upper

78 100

77 23.5 18.6 27.8

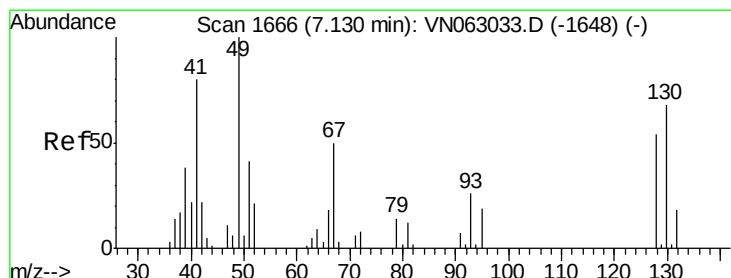
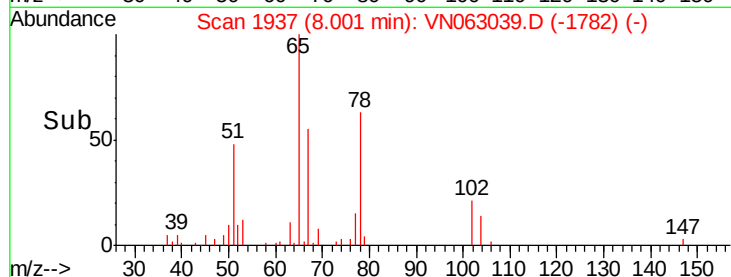
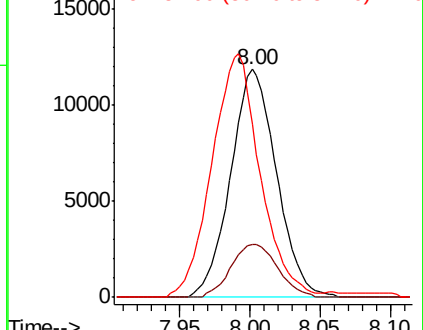
51 73.9 22.2 33.2#



Abundance Ion 78.10 (77.80 to 78.80): VN063039.D (-1920) (-)

Ion 77.00 (76.70 to 77.70): VN063039.D (-1920) (-)

Ion 51.00 (50.70 to 51.70): VN063039.D (-1920) (-)



#35

Methacrylonitrile

Concen: 210.422 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.04 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Tgt Ion: 41 Resp: 211582

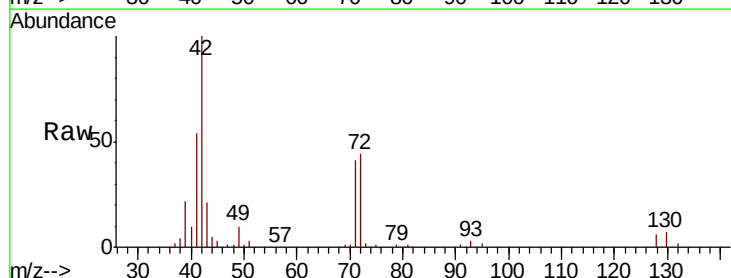
Ion Ratio Lower Upper

41 100

39 40.2 23.7 71.1

67 0.0 31.6 94.7#

52 0.0 13.1 39.3#

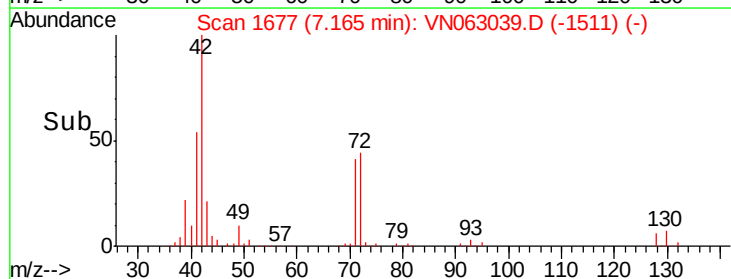
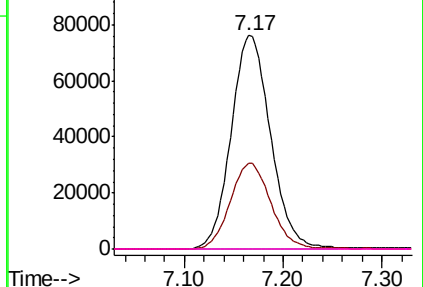


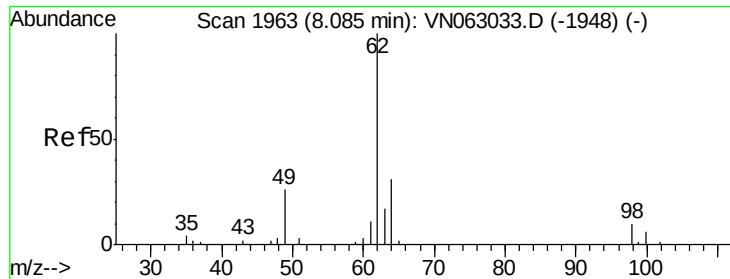
Abundance Ion 41.00 (40.70 to 41.70): VN063039.D (-1511) (-)

Ion 39.00 (38.70 to 39.70): VN063039.D (-1511) (-)

Ion 67.00 (66.70 to 67.70): VN063039.D (-1511) (-)

Ion 52.00 (51.70 to 52.70): VN063039.D (-1511) (-)

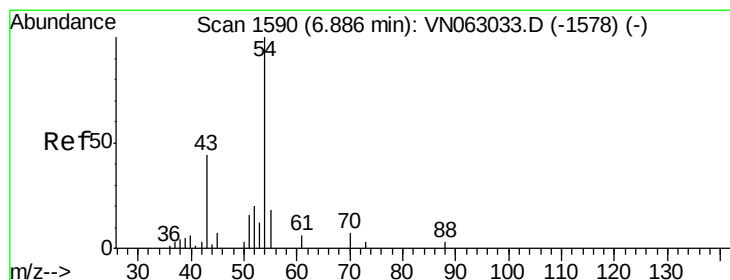
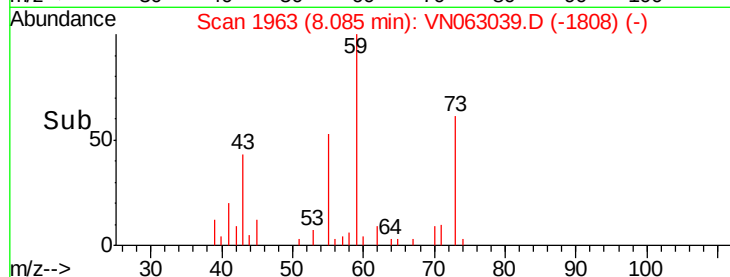
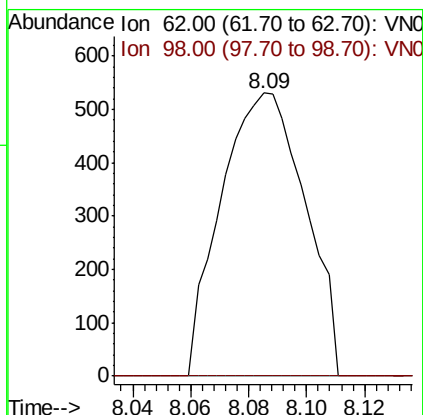
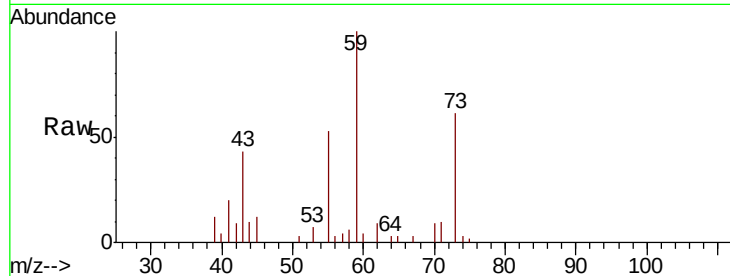




#36
 1,2-Dichloroethane
 Concen: 0.430 ug/l
 RT: 8.09 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

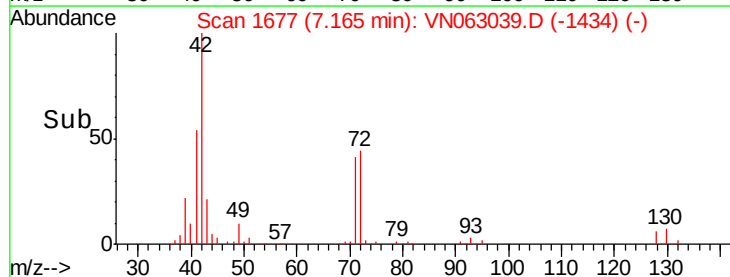
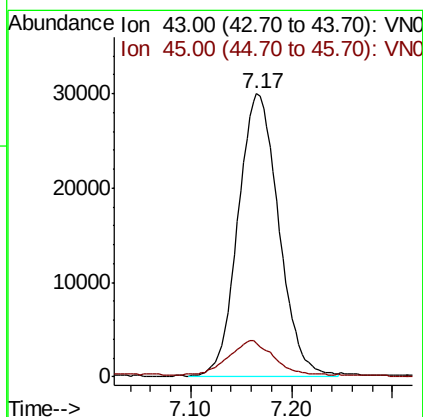
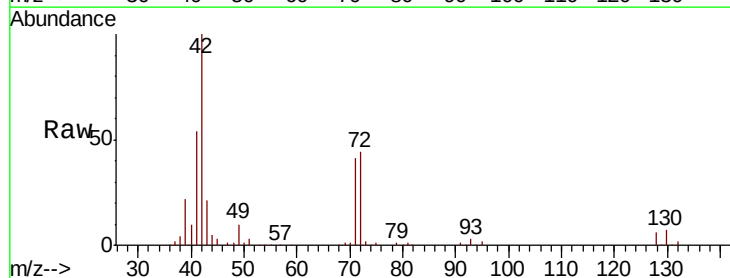
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

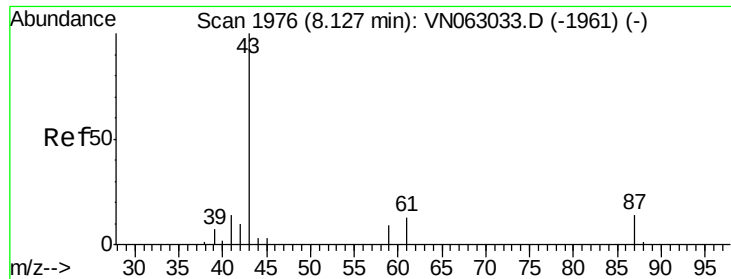
Tot Ion: 62 Resp: 1066
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#43
 Ethyl Acetate
 Concen: 41.668 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.28 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 43 Resp: 84141
 Ion Ratio Lower Upper
 43 100
 45 14.1 11.3 16.9





#44

Isopropyl Acetate

Concen: 2.420 ug/l

RT: 8.09 min Scan# 1966

Delta R.T. -0.03 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

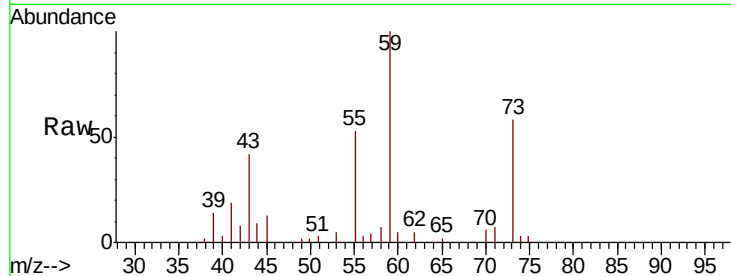
200819016-02-VOA

Tot Ion: 43 Resp: 8203

Ion Ratio Lower Upper

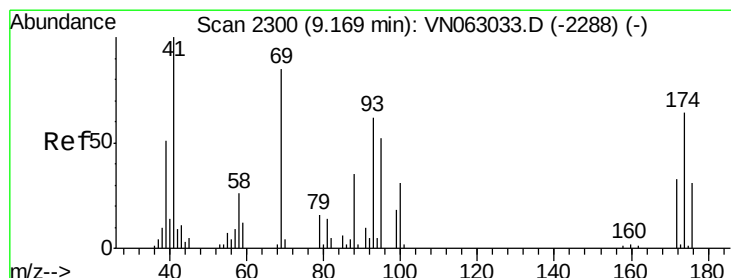
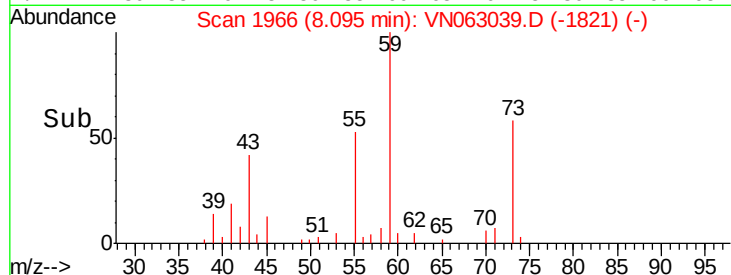
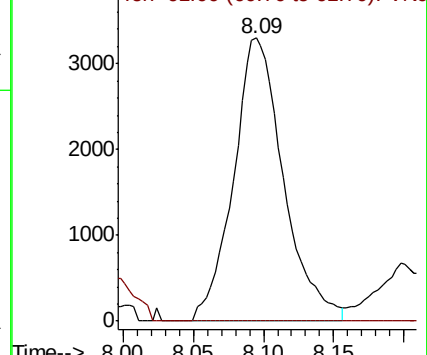
43 100

61 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#45

1,4-Dioxane

Concen: 100.788 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

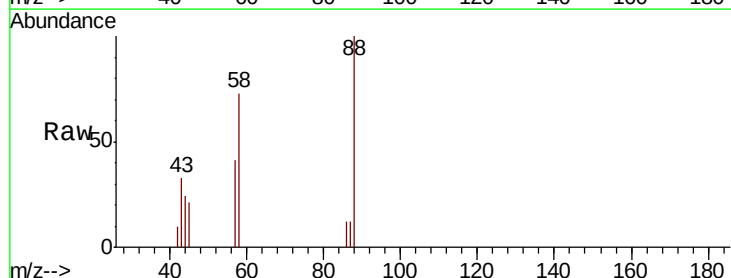
Tgt Ion: 88 Resp: 3200

Ion Ratio Lower Upper

88 100

43 36.7 28.5 42.7

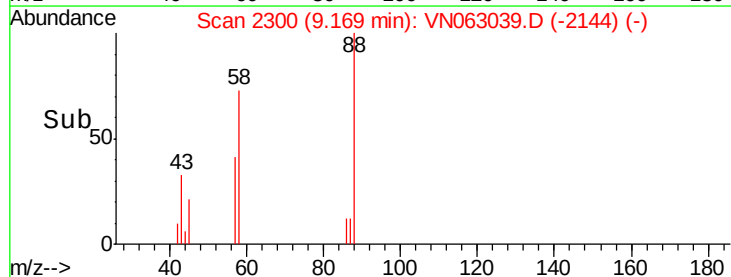
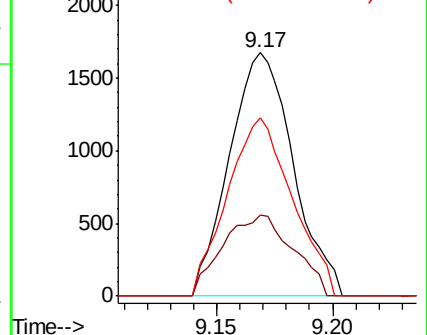
58 74.5 59.6 89.4

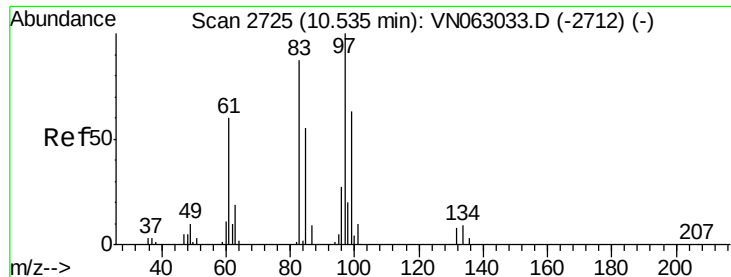


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

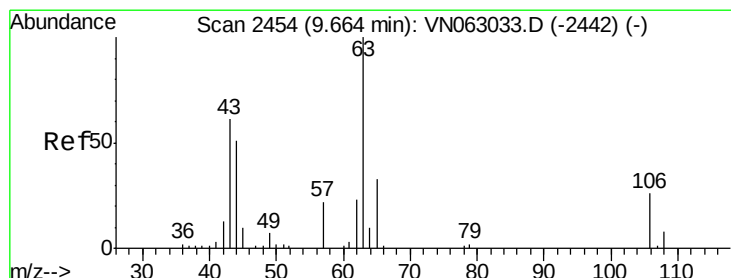
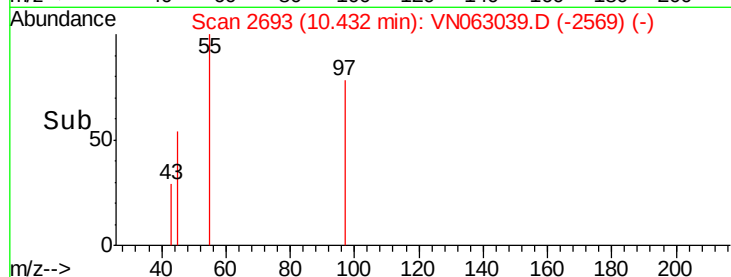
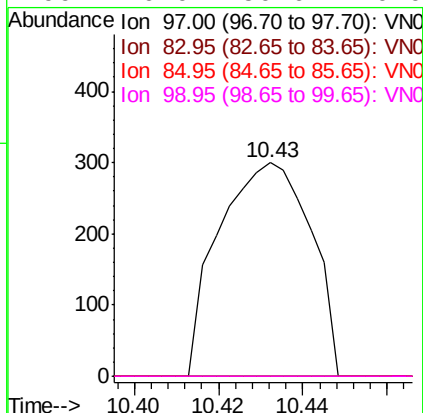
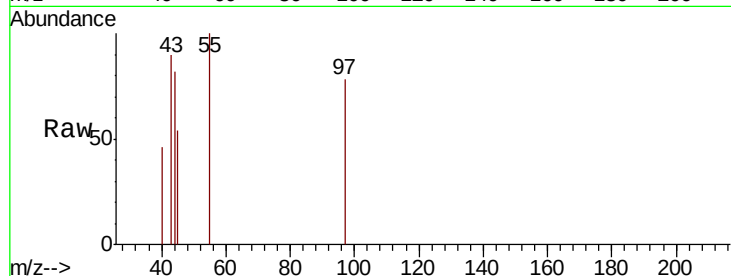




#50
 1,1,2-Trichloroethane
 Concen: 0.239 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. -0.10 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

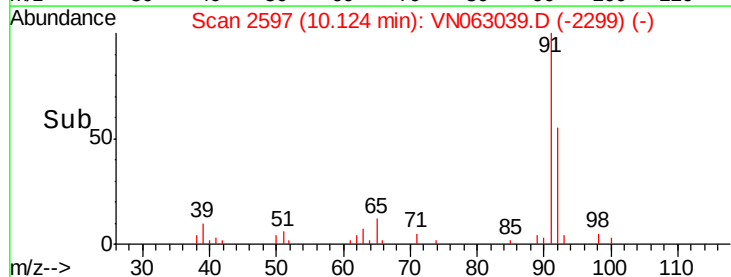
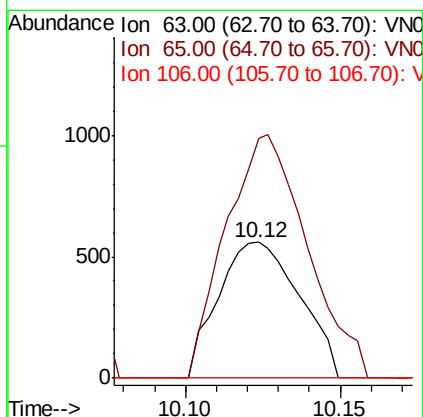
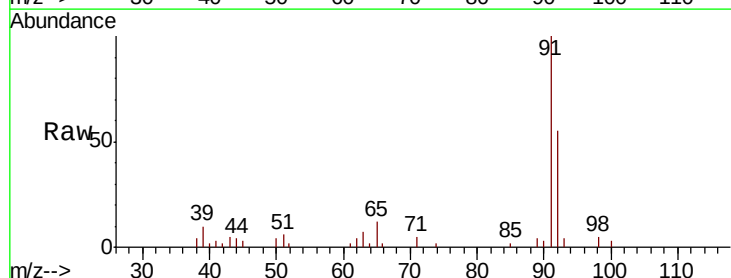
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

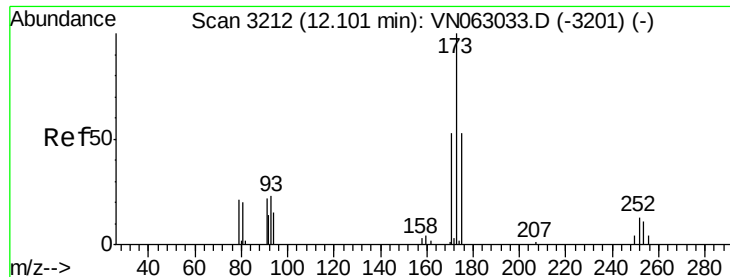
Tot Ion: 97 Resp: 453
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.9 104.9#
 85 0.0 44.0 66.0#
 99 0.0 50.6 76.0#



#55
 2-Chloroethyl vinyl ether
 Concen: 1.932 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.46 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 63 Resp: 1023
 Ion Ratio Lower Upper
 63 100
 65 176.7 25.9 38.9#
 106 0.0 19.9 29.9#





#56

Bromoform

Concen: 0.342 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

200819016-02-VOA

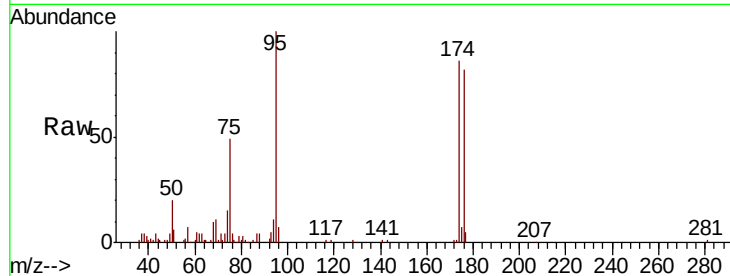
Tot Ion:173 Resp: 521

Ion Ratio Lower Upper

173 100

175 772.9 41.2 61.8#

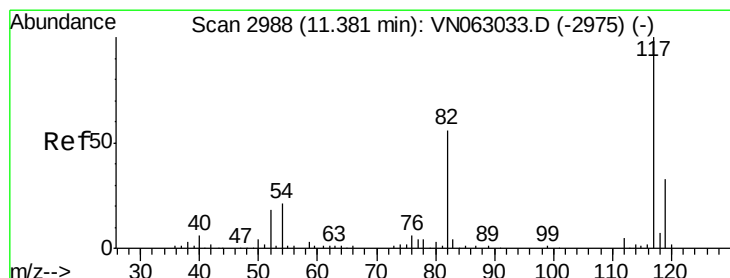
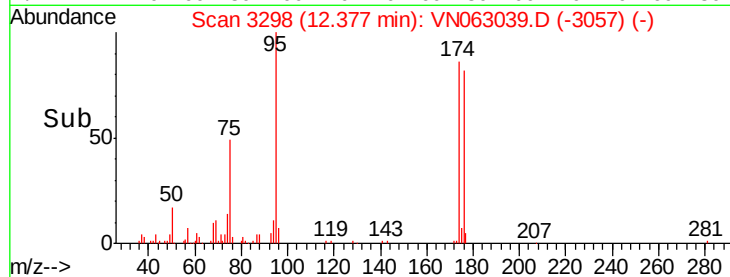
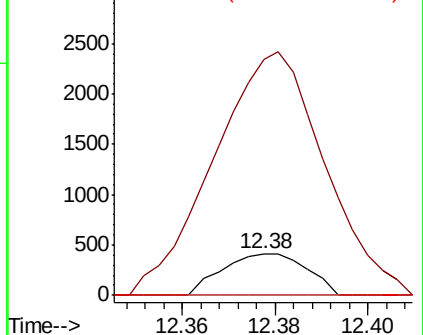
254 0.0 9.0 13.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

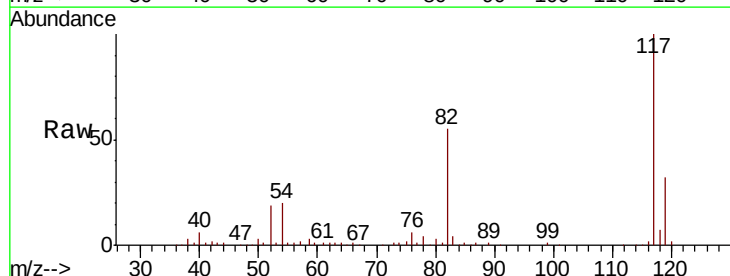
Tgt Ion:117 Resp: 145795

Ion Ratio Lower Upper

117 100

82 55.7 44.9 67.3

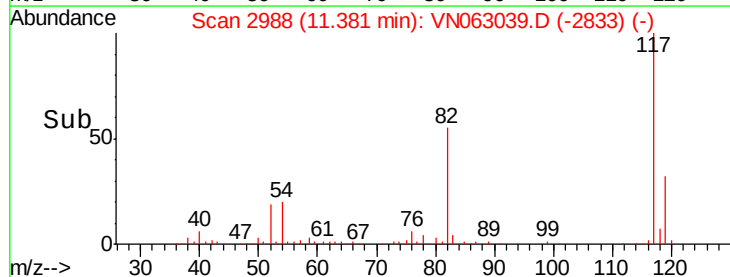
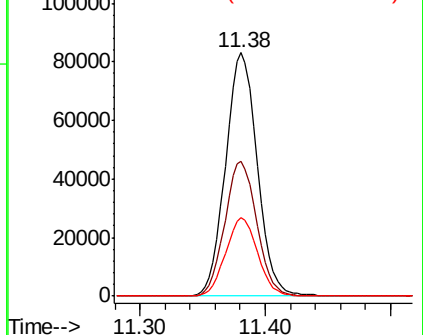
119 32.4 26.0 39.0

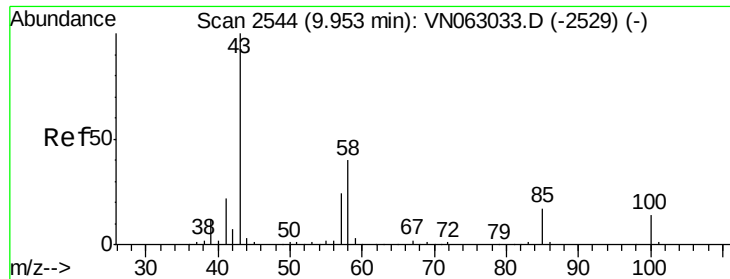


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#58

4-Methyl-2-Pentanone

Concen: 6.599 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

200819016-02-VOA

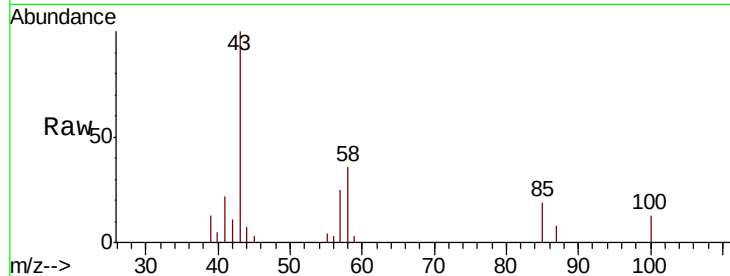
Tot Ion: 43 Resp: 13841

Ion Ratio Lower Upper

43 100

58 25.5 31.4 47.0#

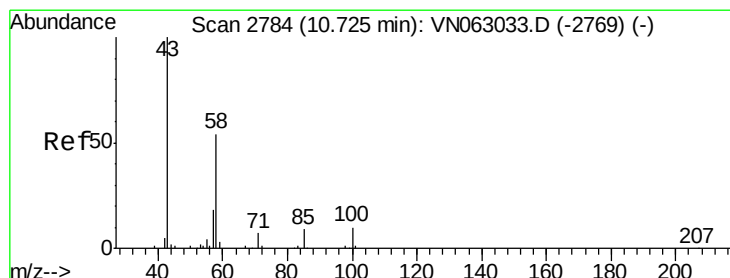
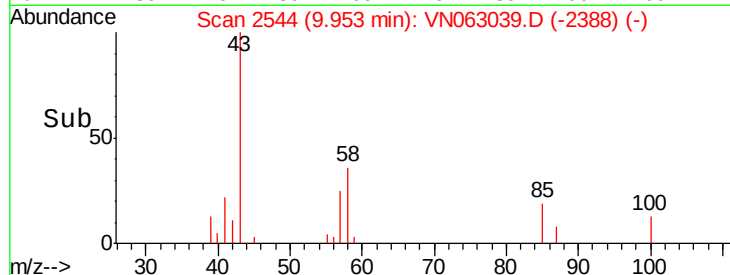
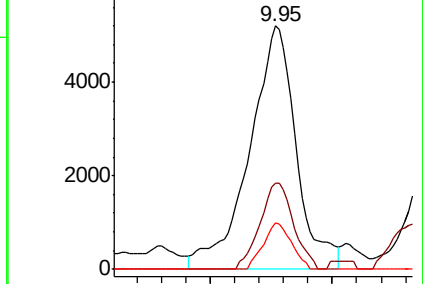
85 11.5 13.4 20.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#59

2-Hexanone

Concen: 42.141 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.03 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

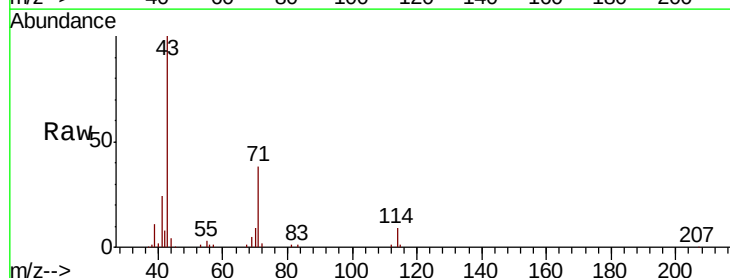
Tgt Ion: 43 Resp: 63048

Ion Ratio Lower Upper

43 100

58 0.0 42.6 64.0#

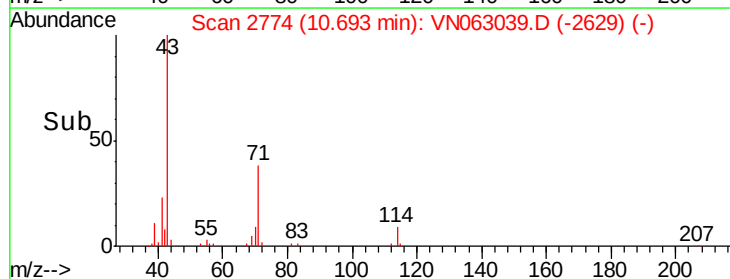
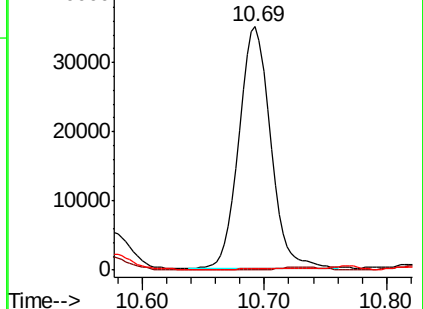
57 0.3 14.6 21.8#

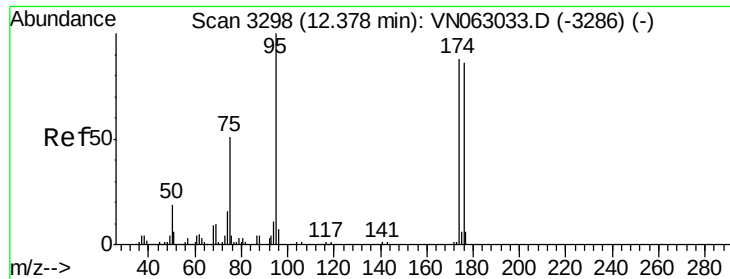


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 26.195 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

200819016-02-VOA

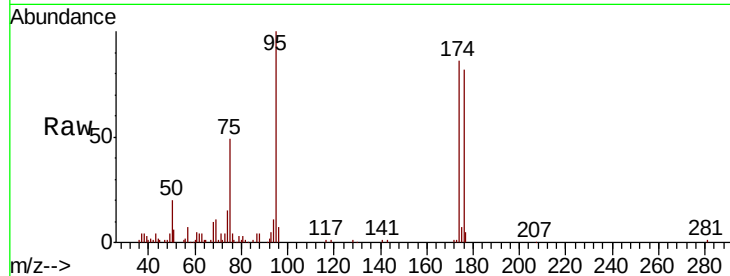
Tot Ion: 95 Resp: 60348

Ion Ratio Lower Upper

95 100

174 88.7 70.1 105.1

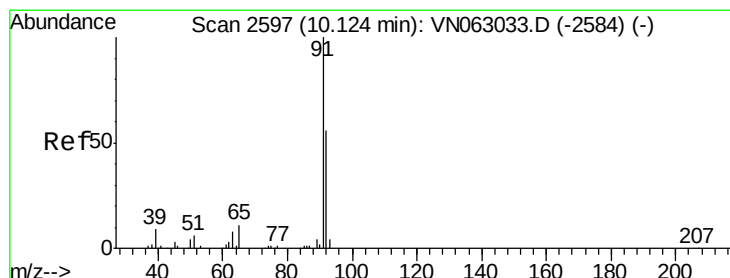
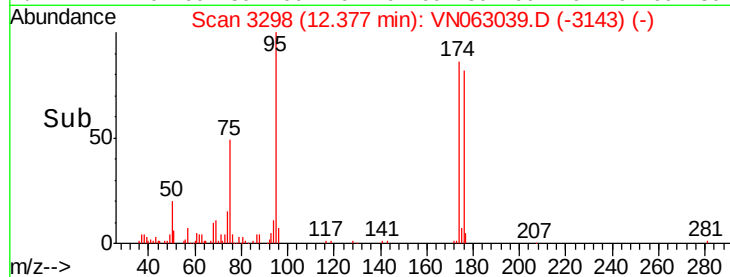
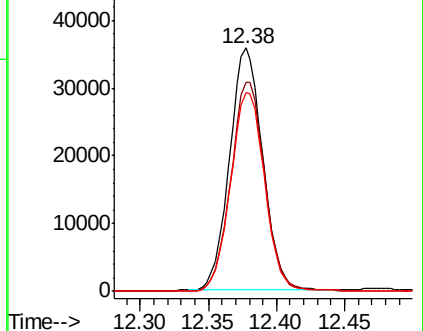
176 84.3 66.8 100.2



Abundance Ion 95.00 (94.70 to 95.70): VN063039.D (-3286) (-)

Ion 174.00 (173.70 to 174.70): VN063039.D (-3286) (-)

Ion 176.00 (175.70 to 176.70): VN063039.D (-3286) (-)



#62

Toluene

Concen: 2.062 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063039.D

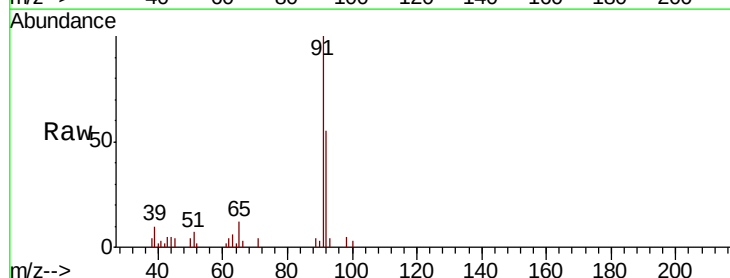
Acq: 20 Aug 2020 16:24

Tgt Ion: 91 Resp: 15931

Ion Ratio Lower Upper

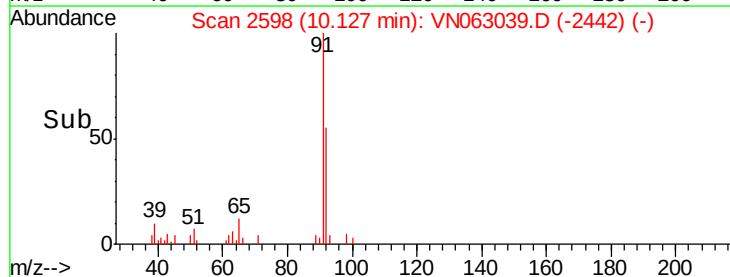
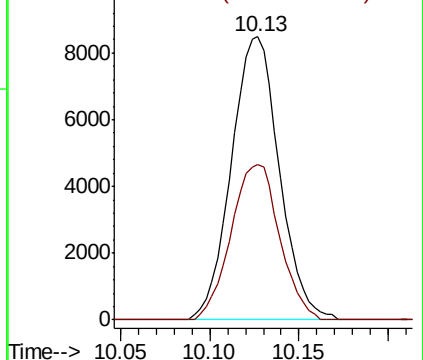
91 100

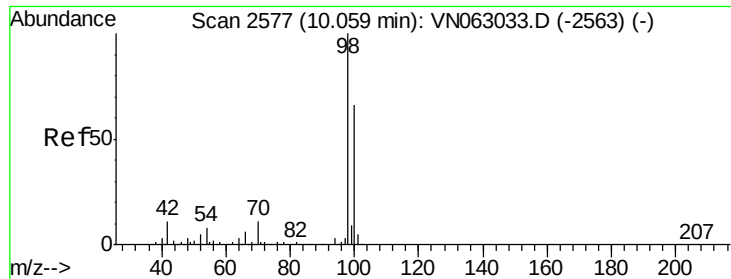
92 55.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN063039.D (-2584) (-)

Ion 92.00 (91.70 to 92.70): VN063039.D (-2584) (-)





#63

Toluene-d8

Concen: 28.373 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

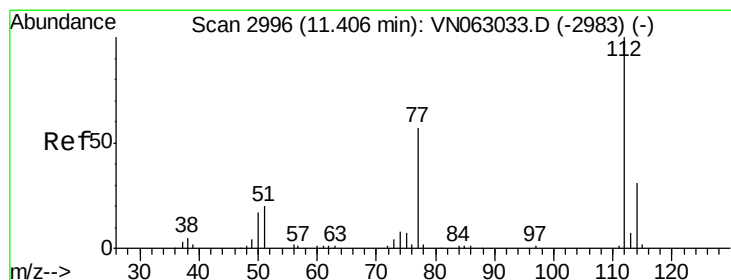
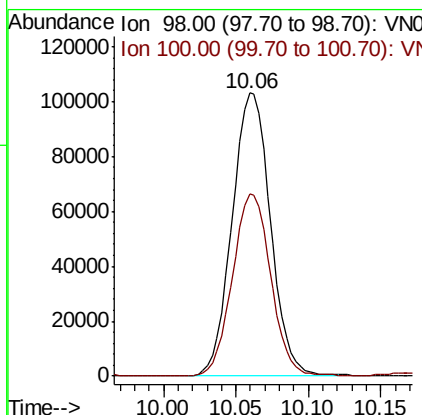
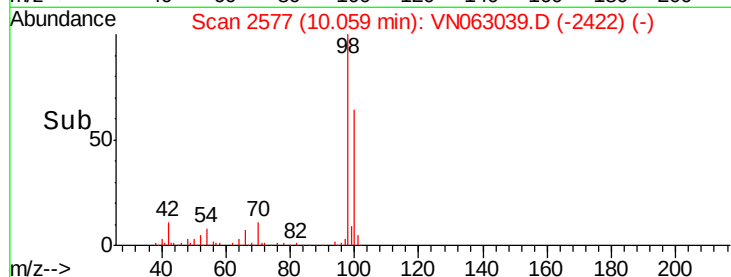
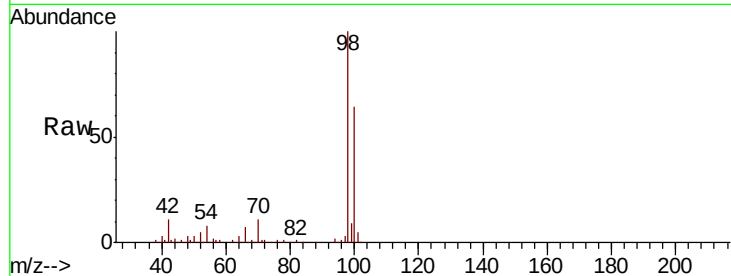
200819016-02-VOA

Tot Ion: 98 Resp: 189844

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2



#64

Chlorobenzene

Concen: 0.759 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063039.D

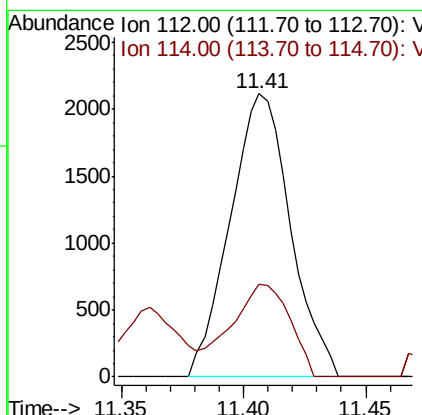
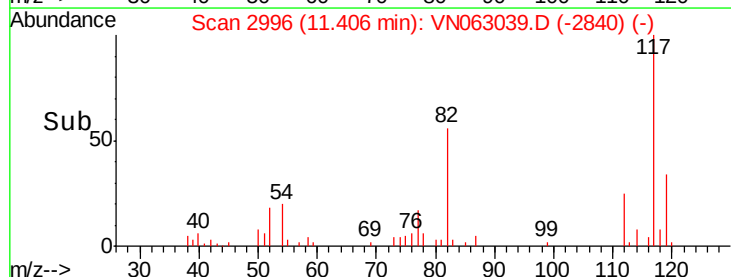
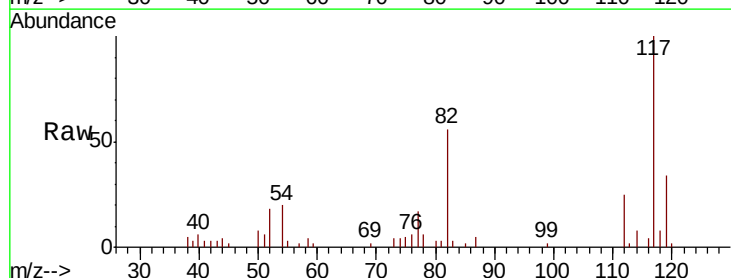
Acq: 20 Aug 2020 16:24

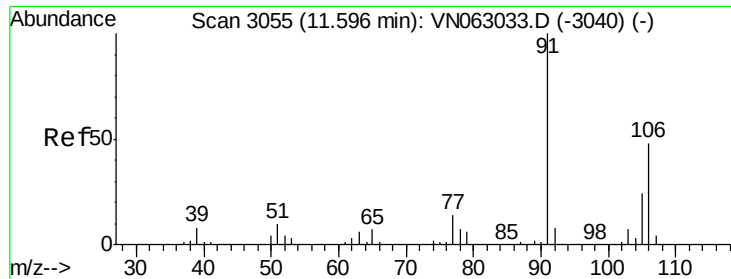
Tgt Ion: 112 Resp: 3629

Ion Ratio Lower Upper

112 100

114 32.8 25.1 37.7

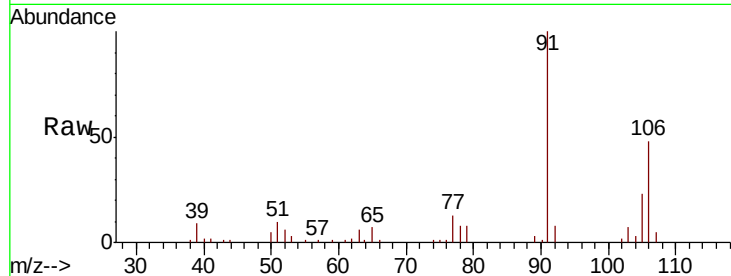




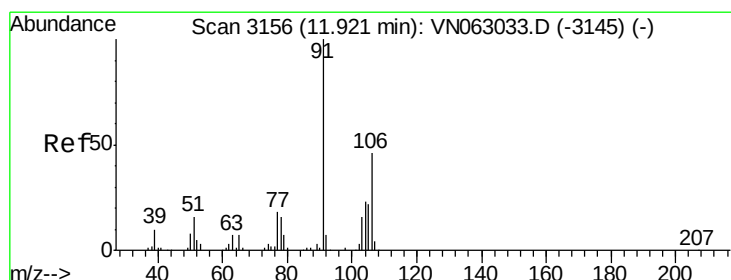
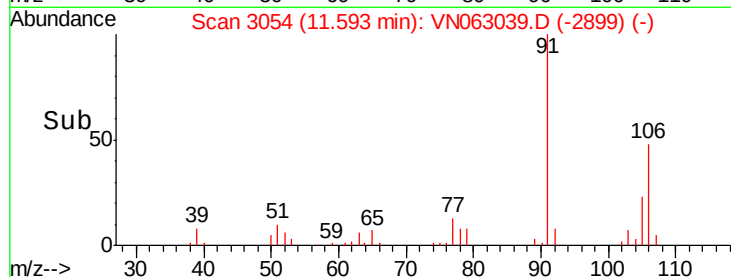
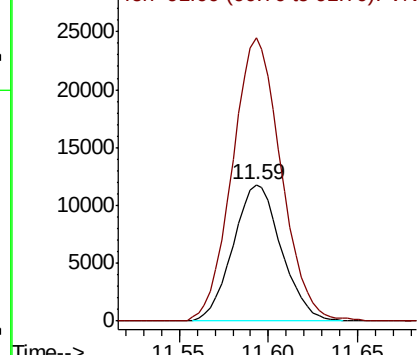
#67
m/p-Xylenes
Concen: 7.069 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063039.D
Acq: 20 Aug 2020 16:24

Instrument :
MSVOA_N
ClientSampleId :
200819016-02-VOA

Tot Ion:106 Resp: 22307
Ion Ratio Lower Upper
106 100
91 208.9 164.9 247.3

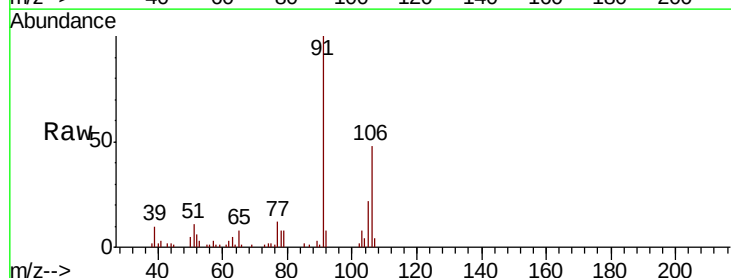


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

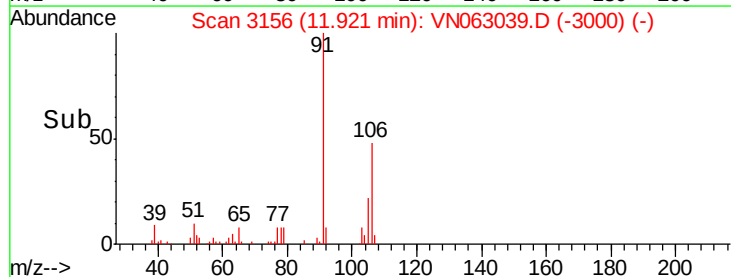
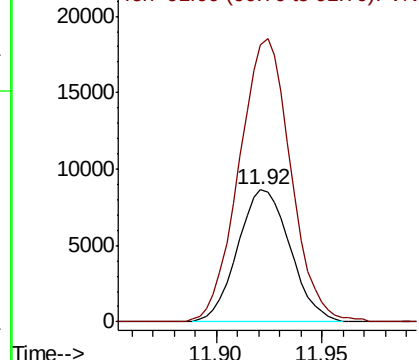


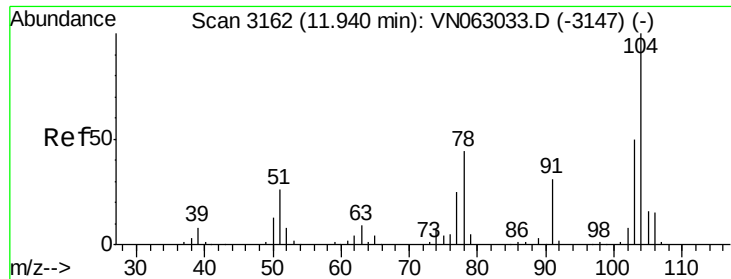
#68
o-Xylene
Concen: 4.936 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063039.D
Acq: 20 Aug 2020 16:24

Tgt Ion:106 Resp: 14962
Ion Ratio Lower Upper
106 100
91 211.3 108.0 324.0



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





#69

Stvrene

Concen: 0.364 ug/l

RT: 11.93 min Scan# 3159

Delta R.T. -0.01 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

200819016-02-VOA

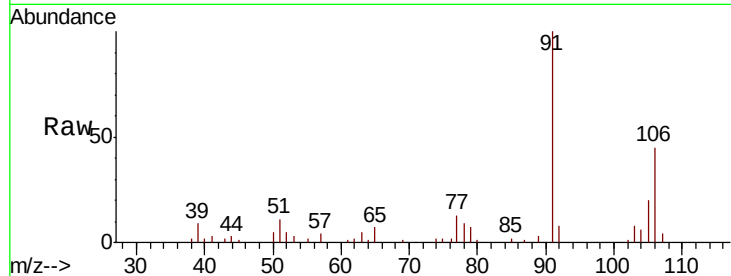
Tot Ion:104 Resp: 1925

Ion Ratio Lower Upper

104 100

78 138.5 39.6 59.4#

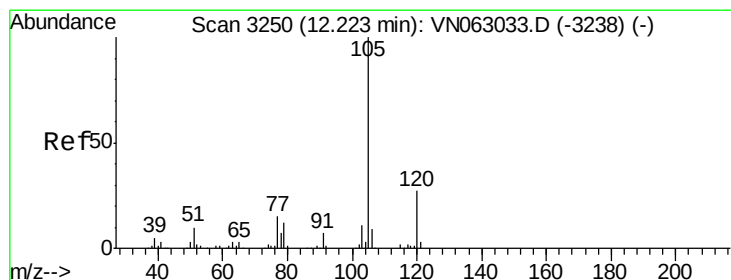
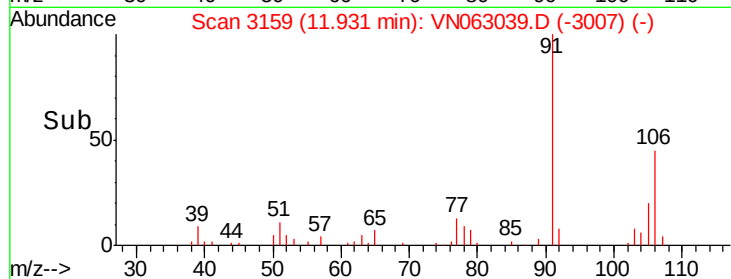
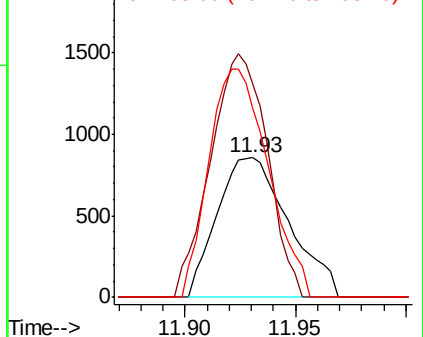
103 135.7 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 0.932 ug/l

RT: 12.63 min Scan# 3377

Delta R.T. 0.41 min

Lab File: VN063039.D

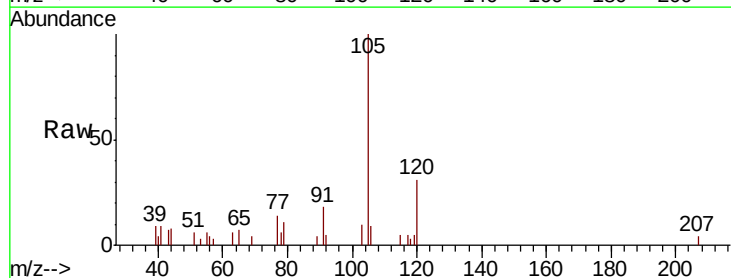
Acq: 20 Aug 2020 16:24

Tgt Ion:105 Resp: 7686

Ion Ratio Lower Upper

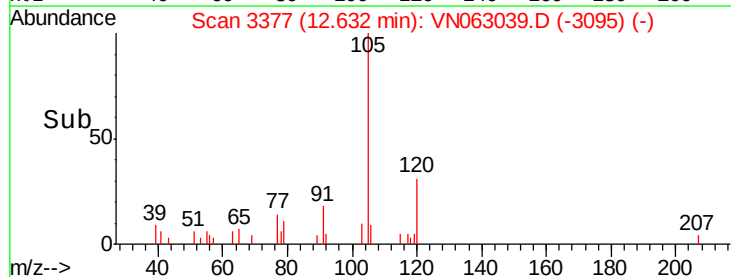
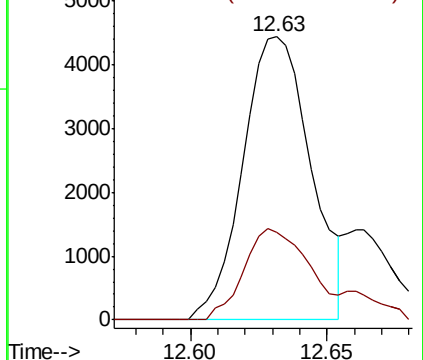
105 100

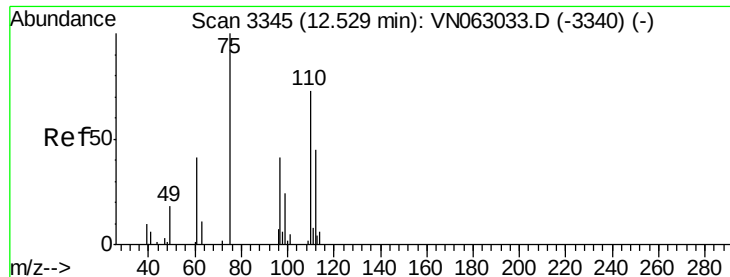
120 31.1 18.5 34.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#72

1,2,3-Trichloropropane

Concen: 12.863 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

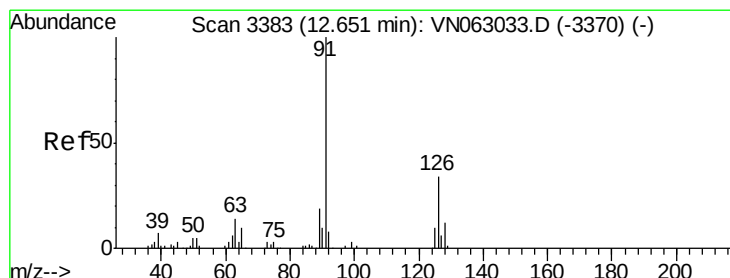
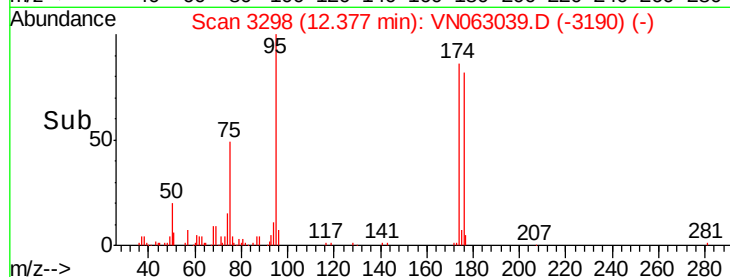
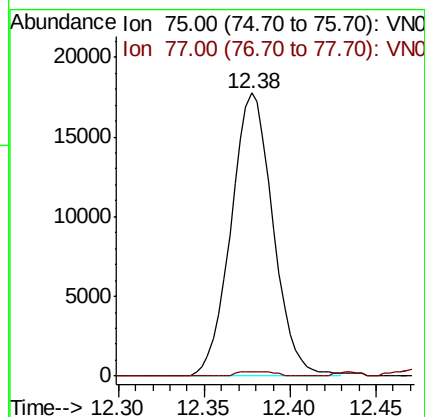
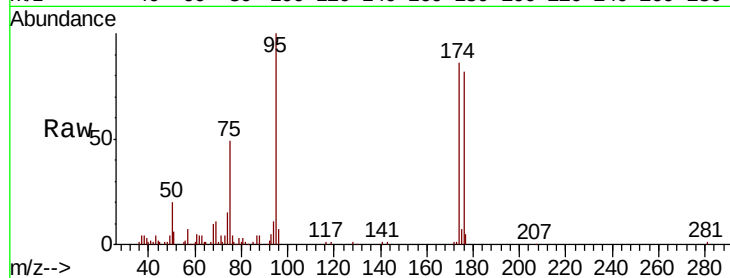
200819016-02-VOA

Tot Ion: 75 Resp: 30180

Ion Ratio Lower Upper

75 100

77 0.8 0.0 387.8



#75

2-Chlorotoluene

Concen: 0.222 ug/l

RT: 12.63 min Scan# 3378

Delta R.T. -0.02 min

Lab File: VN063039.D

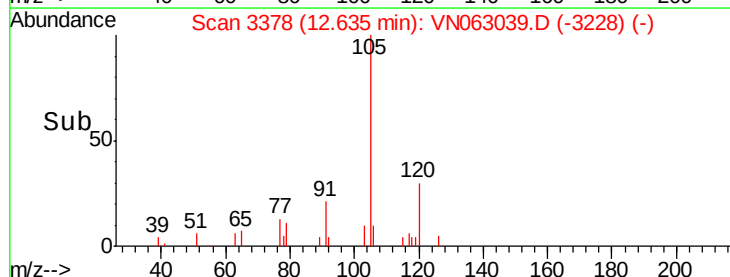
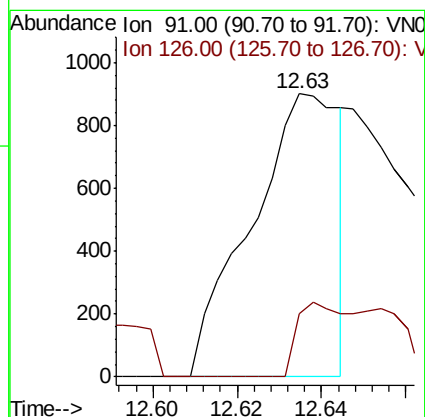
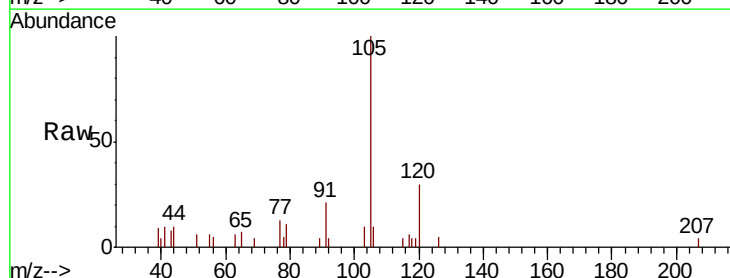
Acq: 20 Aug 2020 16:24

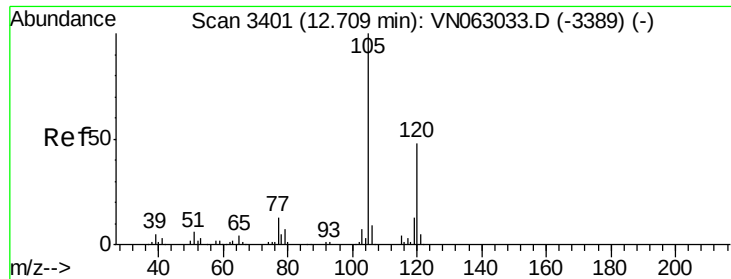
Tgt Ion: 91 Resp: 1311

Ion Ratio Lower Upper

91 100

126 12.7 0.0 68.0





#76

1,3,5-Trimethylbenzene

Concen: 0.663 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

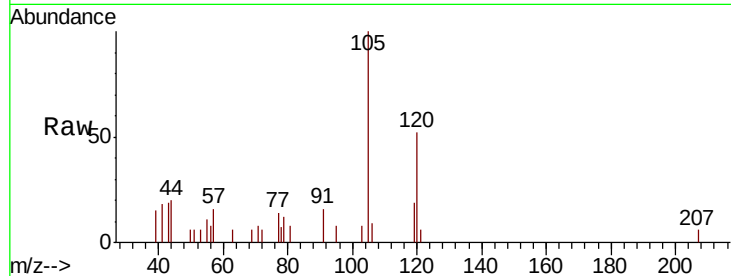
200819016-02-VOA

Tot Ion:105 Resp: 4668

Ion Ratio Lower Upper

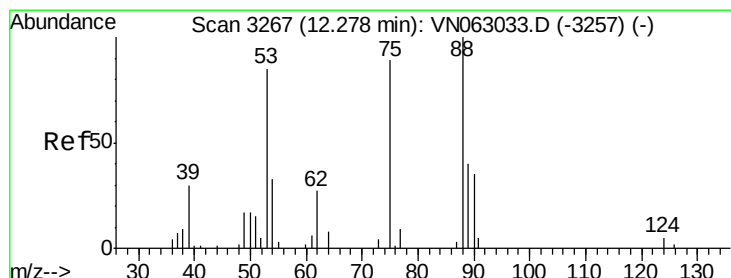
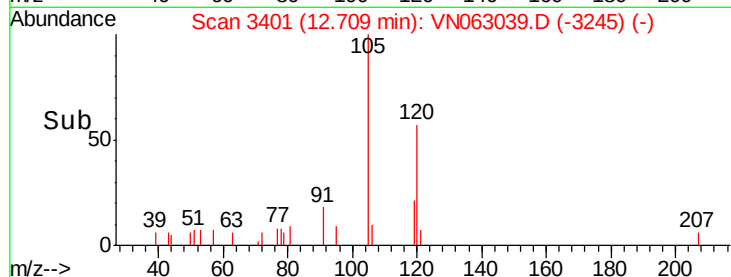
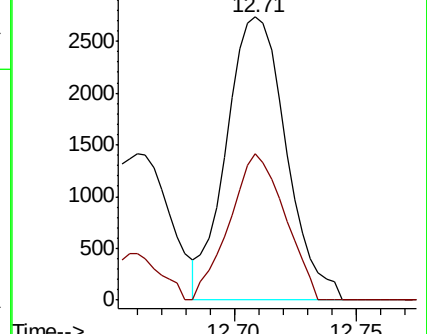
105 100

120 47.6 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 0.661 ug/l

RT: 12.21 min Scan# 3247

Delta R.T. -0.06 min

Lab File: VN063039.D

Acq: 20 Aug 2020 16:24

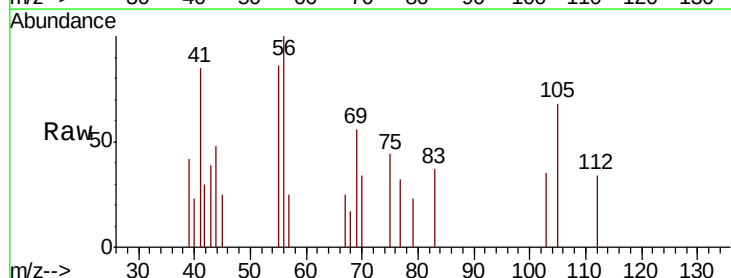
Tgt Ion: 75 Resp: 548

Ion Ratio Lower Upper

75 100

53 0.0 47.0 141.0#

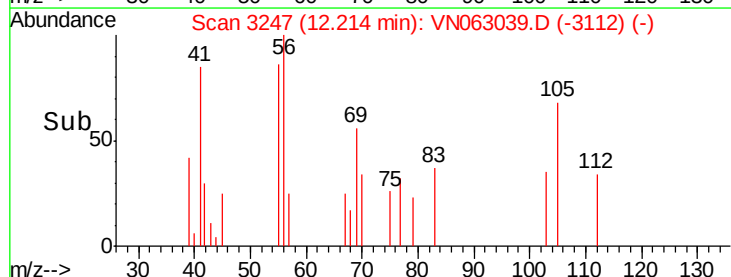
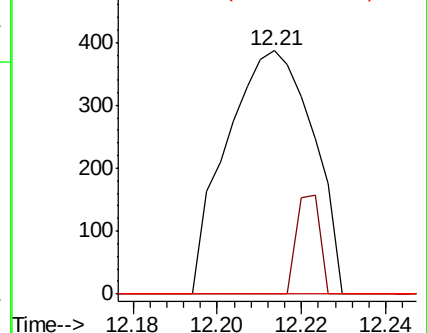
89 0.0 22.9 68.7#

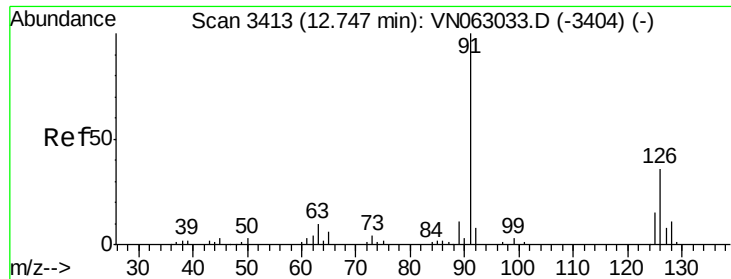


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

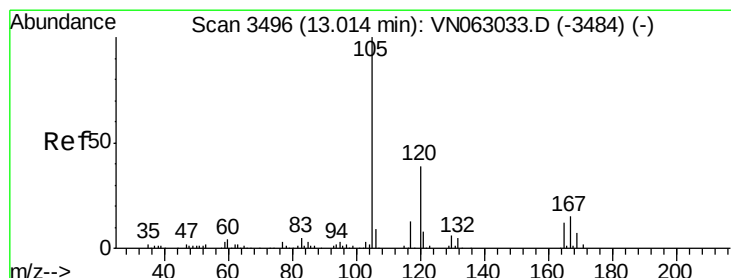
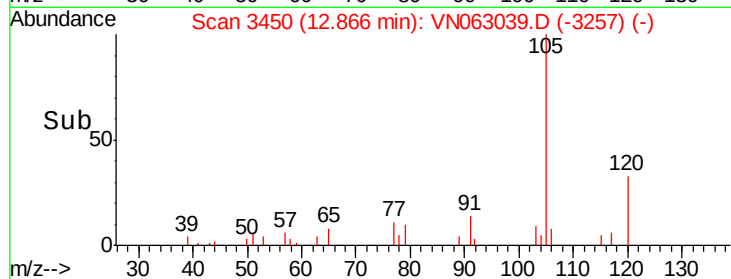
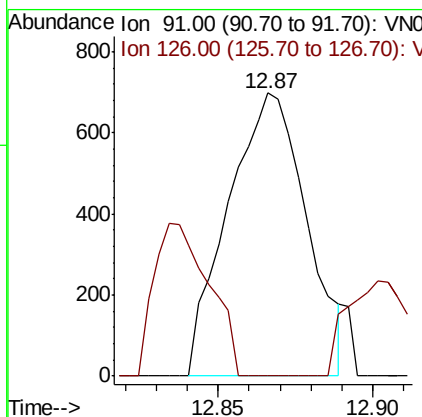
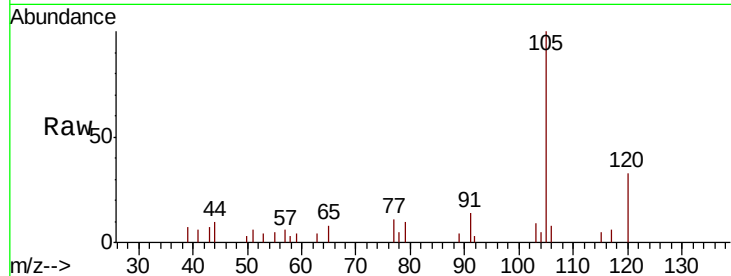




#78
 4-Chlorotoluene
 Concen: 0.202 ug/l
 RT: 12.87 min Scan# 3450
 Delta R.T. 0.12 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

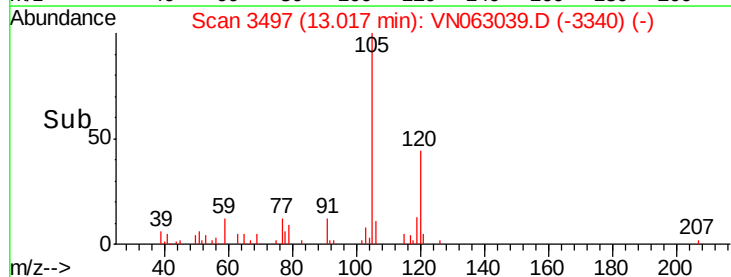
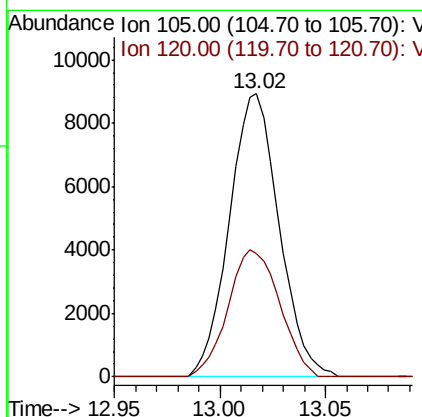
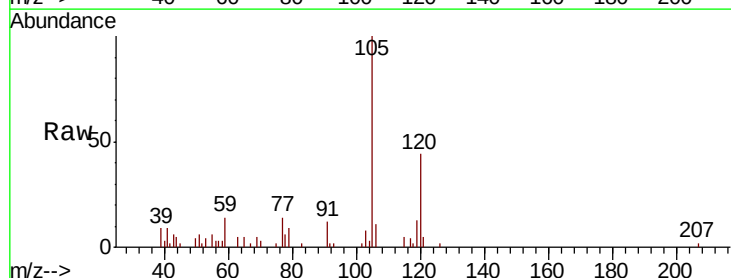
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

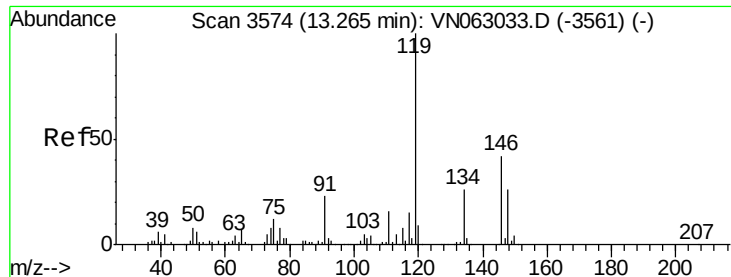
Tot Ion: 91 Resp: 1226
 Ion Ratio Lower Upper
 91 100
 126 38.0 0.0 65.0



#80
 1,2,4-Trimethylbenzene
 Concen: 2.137 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion: 105 Resp: 14639
 Ion Ratio Lower Upper
 105 100
 120 46.6 0.0 90.4

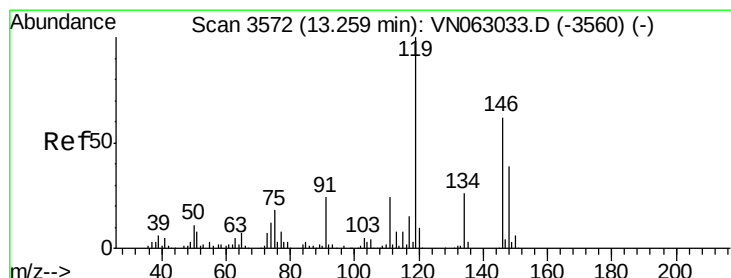
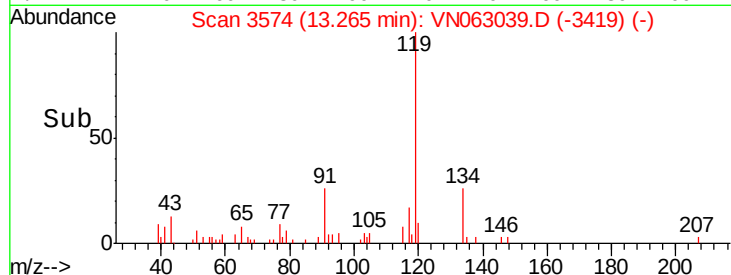
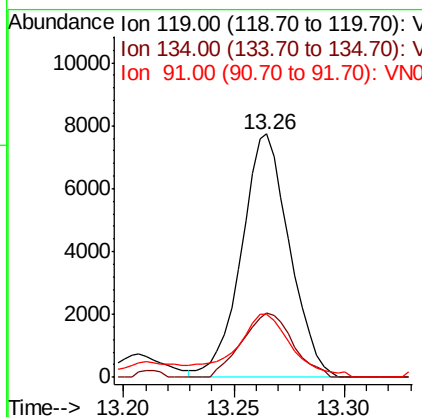
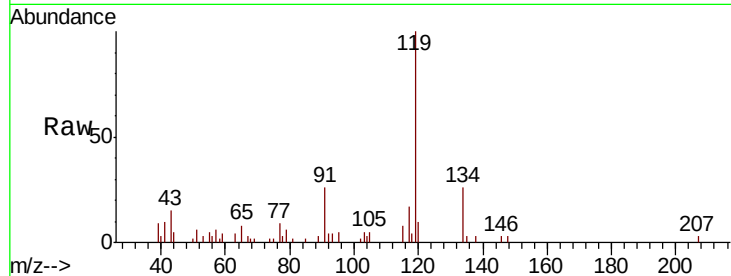




#82
 p-Isopropyltoluene
 Concen: 1.622 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

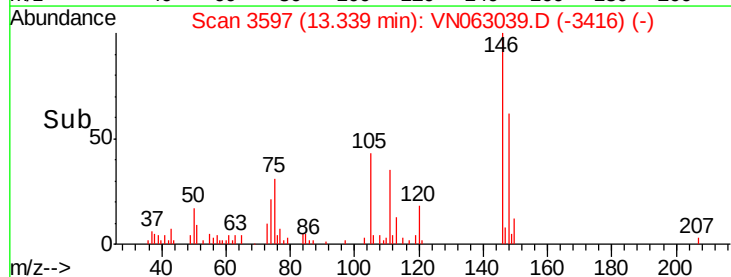
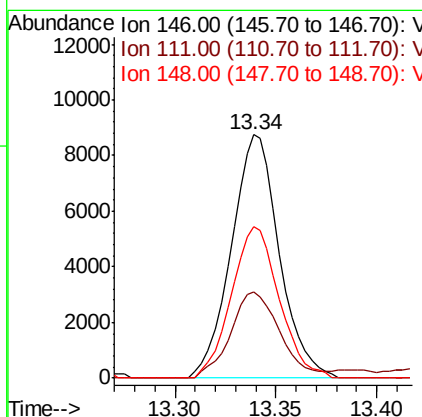
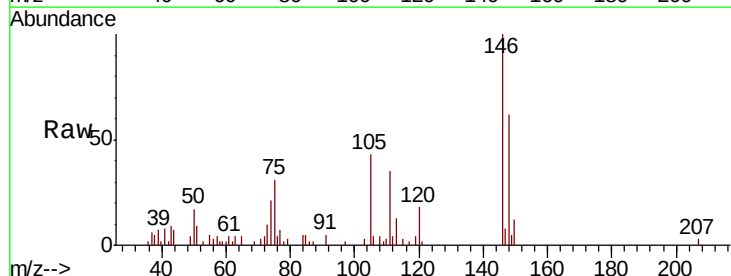
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

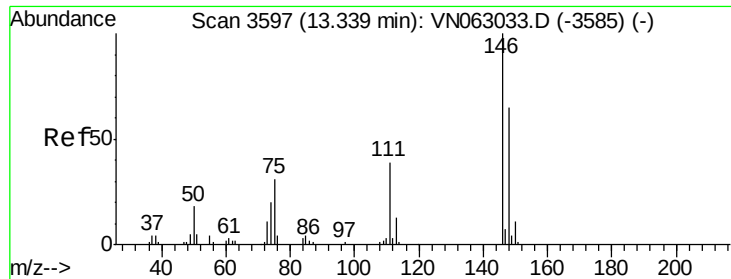
Tot Ion:119 Resp: 11728
 Ion Ratio Lower Upper
 119 100
 134 27.9 0.0 52.2
 91 23.6 0.0 46.2



#83
 1,3-Dichlorobenzene
 Concen: 3.745 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.08 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion:146 Resp: 14538
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.1
 148 62.0 31.5 94.5

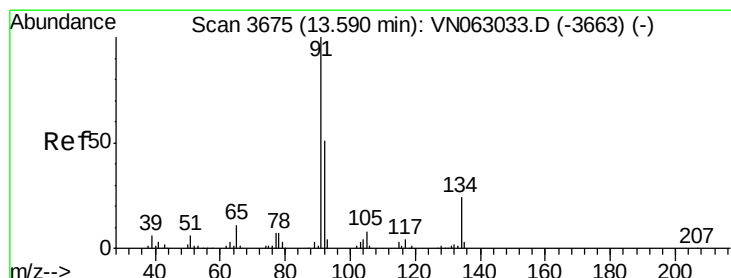
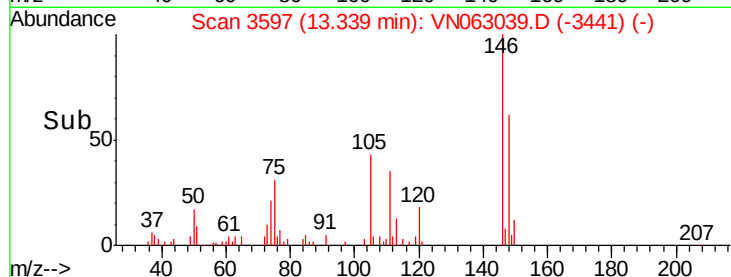
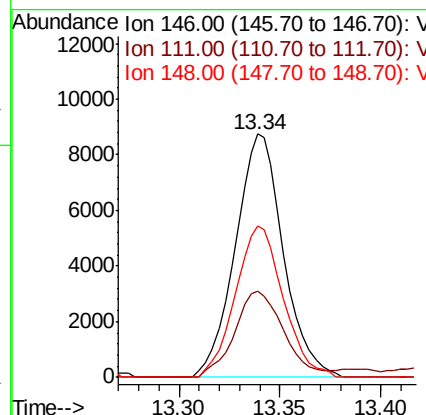
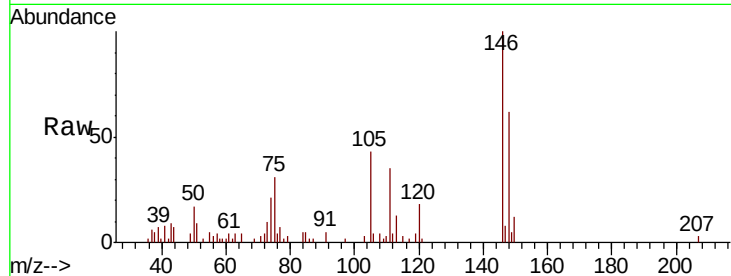




#84
 1,4-Dichlorobenzene
 Concen: 3.831 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

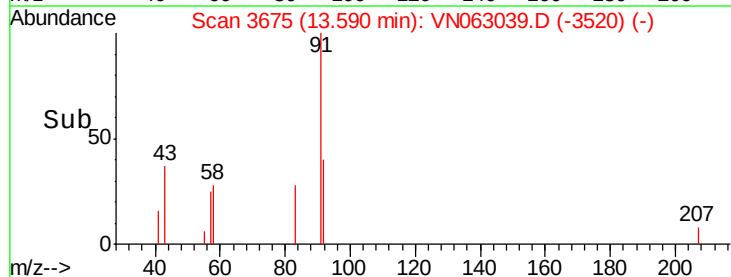
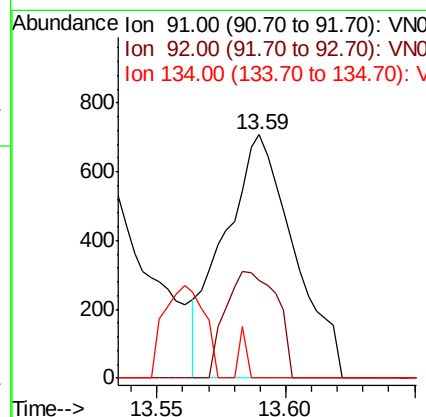
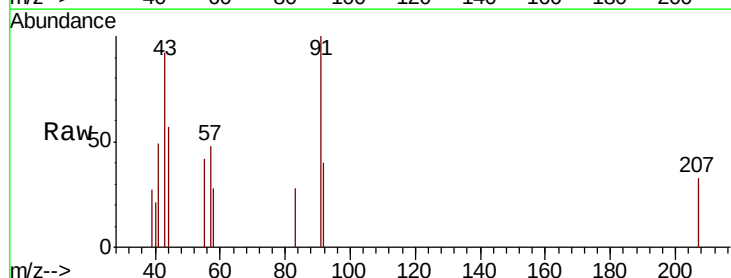
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

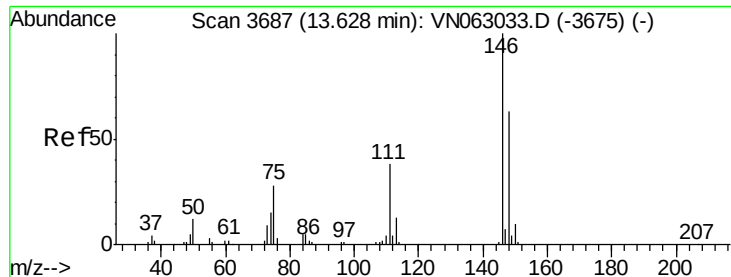
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	62.0	31.6	94.8



#85
 n-Butylbenzene
 Concen: 0.222 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	32.3	0.0	100.6
134	21.9	0.0	47.4

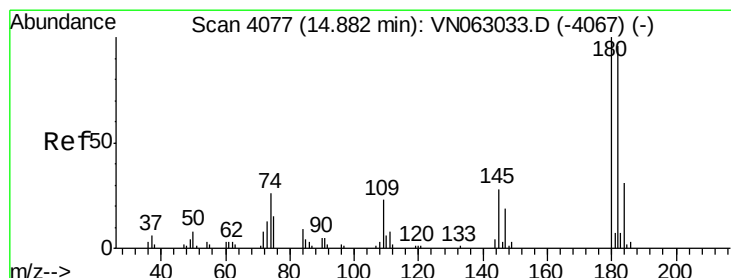
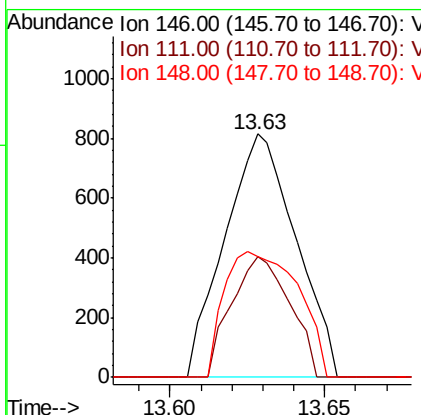
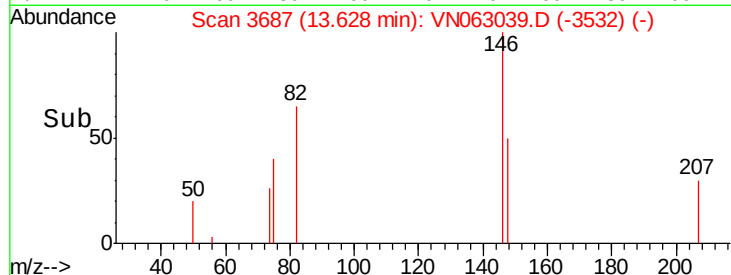
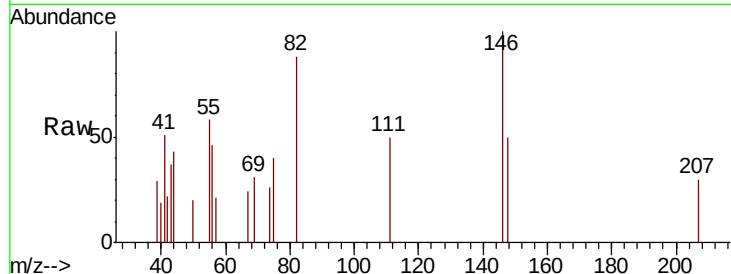




#87
 1,2-Dichlorobenzene
 Concen: 0.350 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

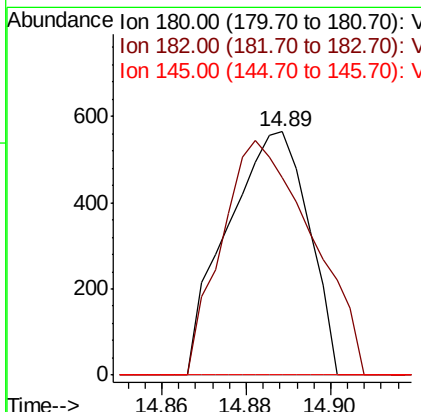
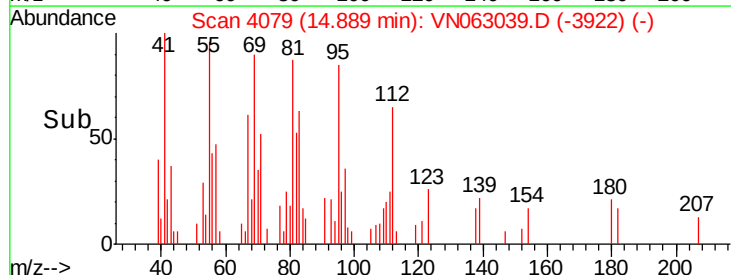
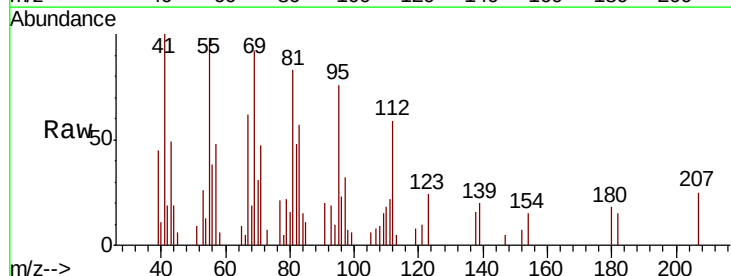
Instrument :
 MSVOA_N
 ClientSampleId :
 200819016-02-VOA

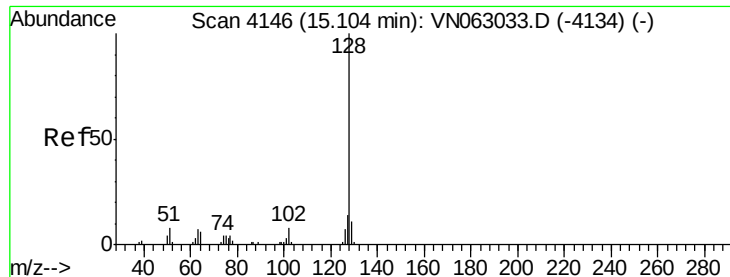
Tot Ion:146 Resp: 1303
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.1 57.3
 148 53.8 31.8 95.4



#89
 1,2,4-Trichlorobenzene
 Concen: 0.410 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN063039.D
 Acq: 20 Aug 2020 16:24

Tgt Ion:180 Resp: 752
 Ion Ratio Lower Upper
 180 100
 182 107.6 76.9 115.3
 145 0.0 21.9 32.9#

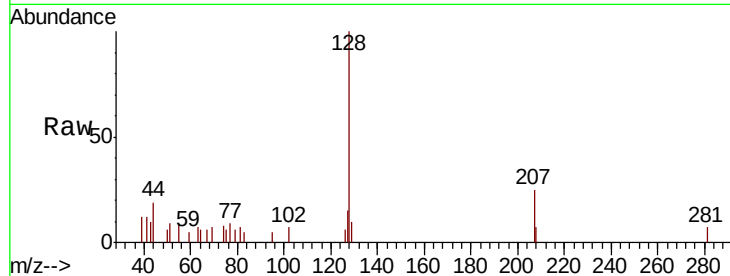




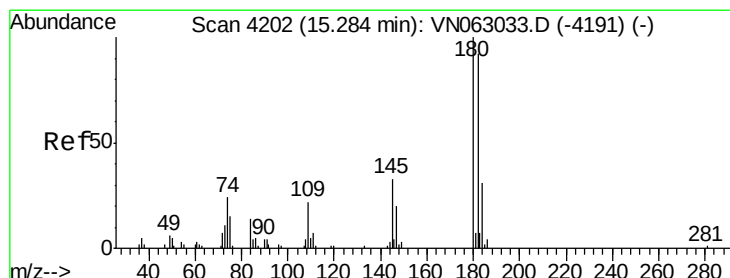
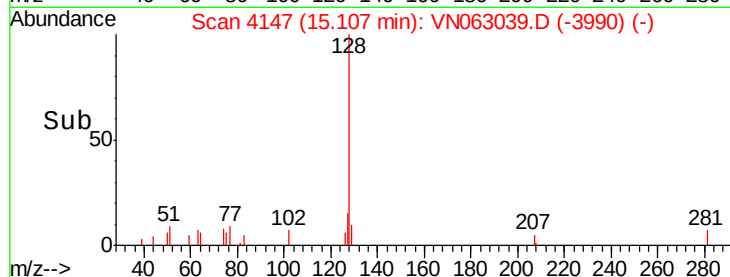
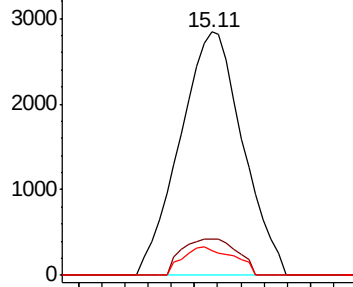
#91
Naphthalene
Concen: 1.317 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063039.D
Acq: 20 Aug 2020 16:24

Instrument :
MSVOA_N
ClientSampleId :
200819016-02-VOA

Tot Ion:128 Resp: 5341
Ion Ratio Lower Upper
128 100
127 13.2 11.1 16.7
129 9.4 8.4 12.6

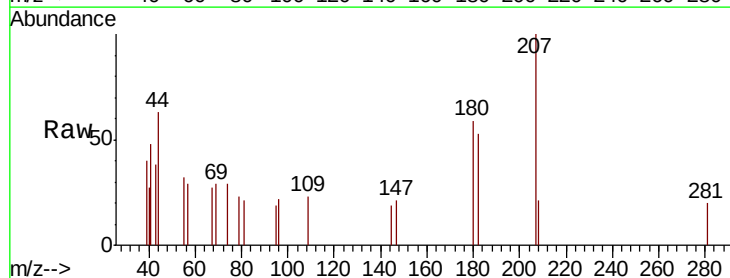


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 0.472 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN063039.D
Acq: 20 Aug 2020 16:24

Tgt Ion:180 Resp: 865
Ion Ratio Lower Upper
180 100
182 108.1 0.0 188.0
145 0.0 0.0 62.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

