

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056419.D
 Acq On : 21 Jun 2019 12:32
 Operator : JC/SP
 Sample : K3465-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

Quant Time: Jun 22 01:38:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	62945	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	340728	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	283202	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	129971	33.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.83%
60) 4-Bromofluorobenzene	12.40	95	113130	26.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.83%
63) Toluene-d8	10.09	98	402556	31.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.43%

Target Compounds

					Ovalue
4) Vinyl Chloride	2.18	62	1670	0.396	ug/l # 80
8) Diethyl Ether	3.41	74	8882	4.013	ug/l # 95
12) Methyl Acetate	4.33	43	4843	1.227	ug/l # 95
15) Acetone	3.82	58	96502	167.385	ug/l # 91
16) Carbon Disulfide	4.04	76	1694	0.217	ug/l # 90
17) Allyl chloride	4.08	41	1034	0.203	ug/l # 92
22) cis-1,2-Dichloroethene	6.83	96	848	0.207	ug/l # 1
23) tert-Butyl Alcohol	4.79	59	2944669	4296.519	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	36389	3.475	ug/l # 84
30) 2-Butanone	6.83	43	200856	82.781	ug/l # 85
31) 2,2-Dichloropropane	6.83	77	170325	39.725	ug/l # 49
34) Benzene	8.04	78	52242	3.557	ug/l # 43
35) Methacrylonitrile	7.21	41	407114	198.698	ug/l # 45
36) 1,2-Dichloroethane	8.13	62	2713	0.590	ug/l # 71
43) Ethyl Acetate	7.21	43	159797	34.412	ug/l # 99
45) 1,4-Dioxane	9.20	88	6601	85.584	ug/l # 81
50) 1,1,2-Trichloroethane	10.46	97	1129	0.305	ug/l # 31
51) Ethyl methacrylate	10.84	69	1597	0.285	ug/l # 74
58) 4-Methyl-2-Pentanone	9.99	43	53971	12.585	ug/l # 93
59) 2-Hexanone	10.72	43	187995	61.334	ug/l # 32
62) Toluene	10.16	91	39420	2.578	ug/l # 99
64) Chlorobenzene	11.43	112	10522	1.135	ug/l # 99
66) Ethyl Benzene	11.51	91	24281	1.491	ug/l # 97
67) m/p-Xylenes	11.62	106	41259	6.620	ug/l # 96
68) o-Xylene	11.95	106	32696	5.358	ug/l # 95
69) Styrene	11.96	104	4554	0.459	ug/l # 1
70) Isopropylbenzene	12.25	105	19634	1.232	ug/l # 97
75) 2-Chlorotoluene	12.67	91	4377	0.419	ug/l # 84
76) 1,3,5-Trimethylbenzene	12.73	105	9789	0.746	ug/l # 96
78) 4-Chlorotoluene	12.67	91	4377	0.449	ug/l # 84
79) tert-butylbenzene	13.23	119	3397	0.292	ug/l # 66
80) 1,2,4-Trimethylbenzene	13.04	105	22198	1.740	ug/l # 98
82) p-Isopropyltoluene	13.29	119	4155	0.313	ug/l # 88
84) 1,4-Dichlorobenzene	13.36	146	22079	3.515	ug/l # 98
85) n-Butylbenzene	13.61	91	2763	0.279	ug/l # 89
87) 1,2-Dichlorobenzene	13.65	146	3086	0.460	ug/l # 94
88) 1,2-Dibromo-3-Chloropropan	14.27	75	179	0.237	ug/l # 1

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

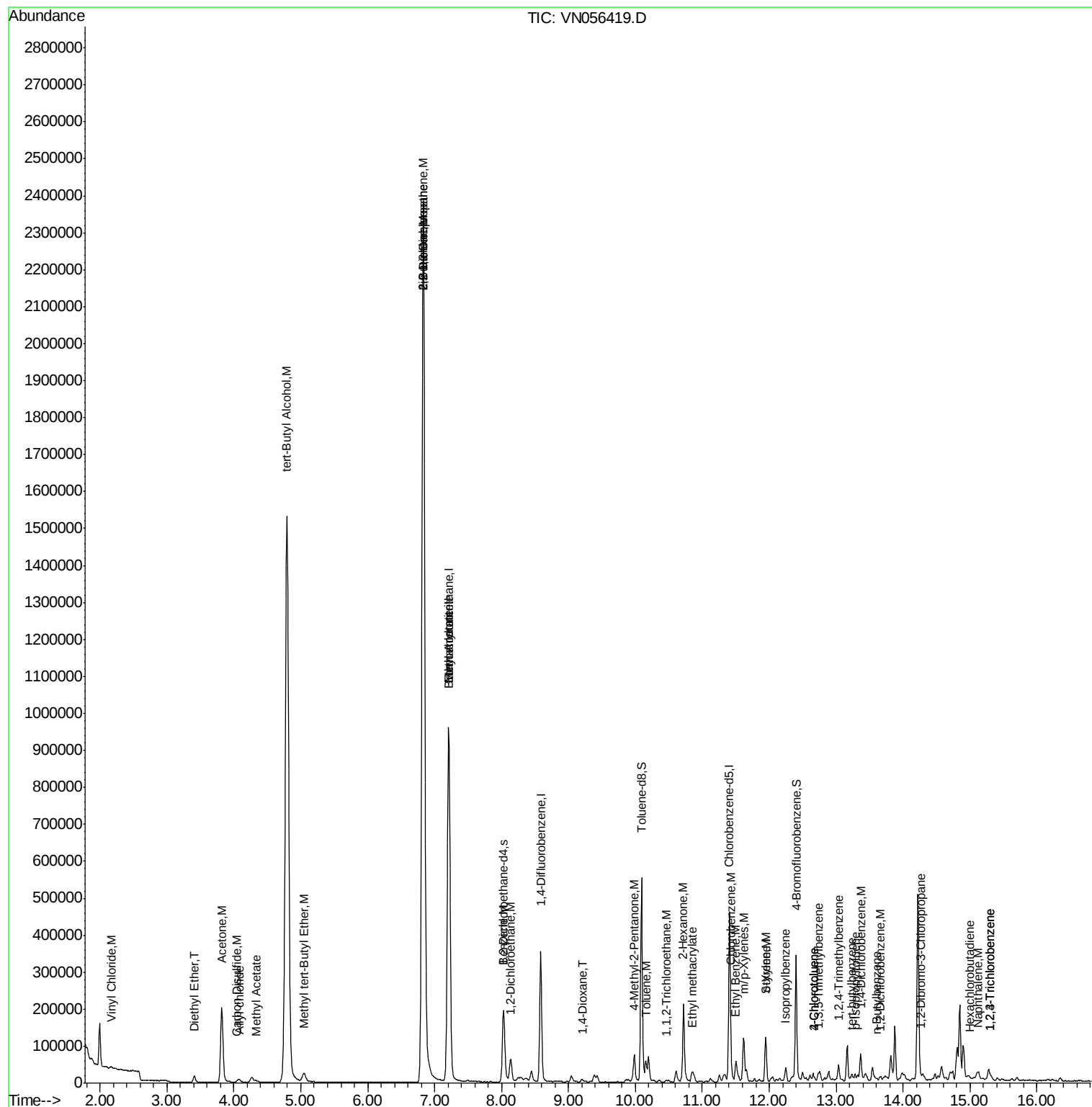
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) 1,2,4-Trichlorobenzene	15.31	180	2468	9.075	ug/l	96
90) Hexachlorobutadiene	15.01	225	625	0.255	ug/l	68
91) Naphthalene	15.13	128	16438	1.846	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	2468	0.703	ug/l	98

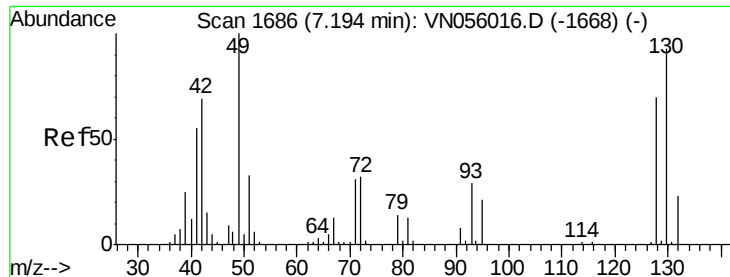
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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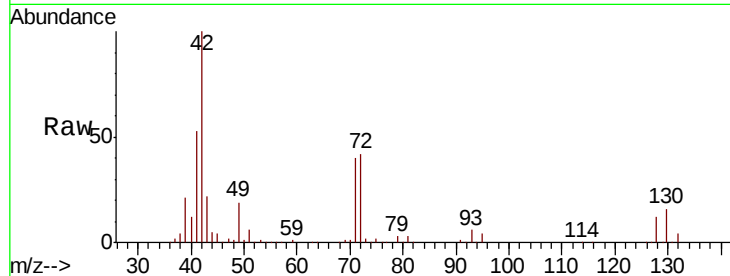




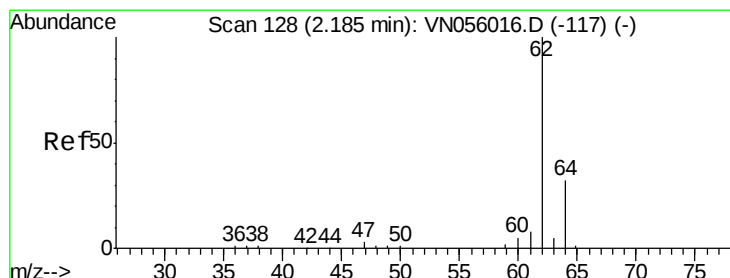
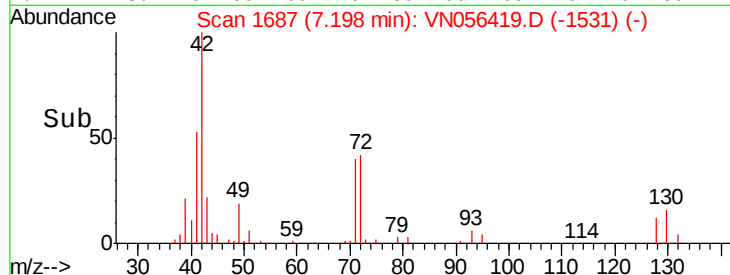
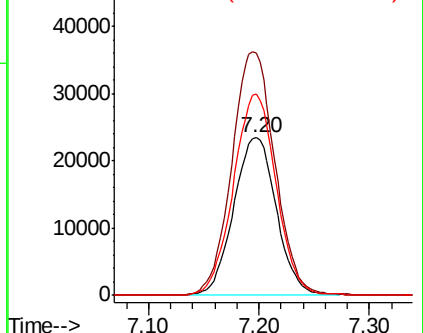
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

Tot Ion:128 Resp: 62945
Ion Ratio Lower Upper
128 100
49 155.9 0.0 355.8
130 127.5 0.0 326.3

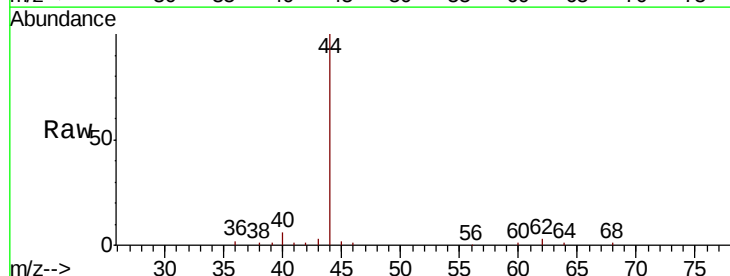


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

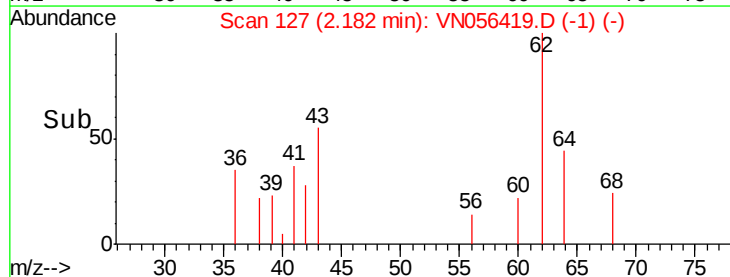
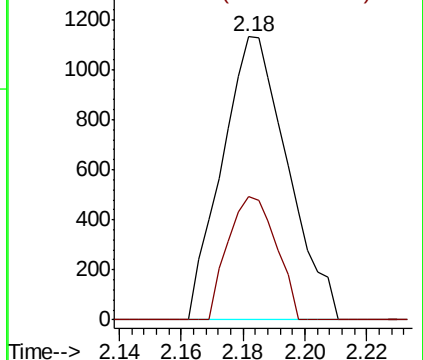


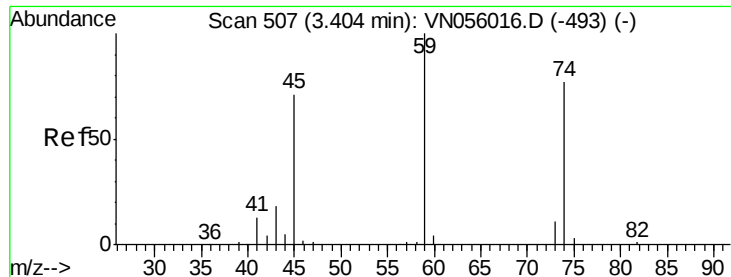
#4
Vinyl Chloride
Concen: 0.396 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Tgt Ion: 62 Resp: 1670
Ion Ratio Lower Upper
62 100
64 43.7 25.8 38.8#



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

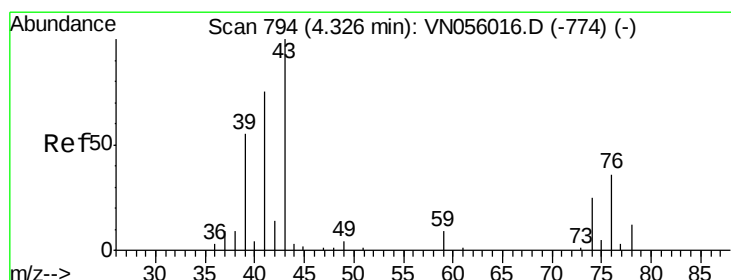
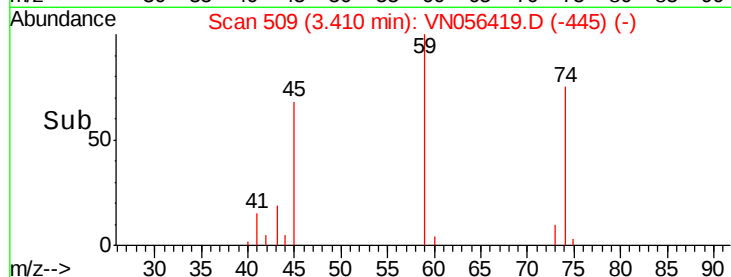
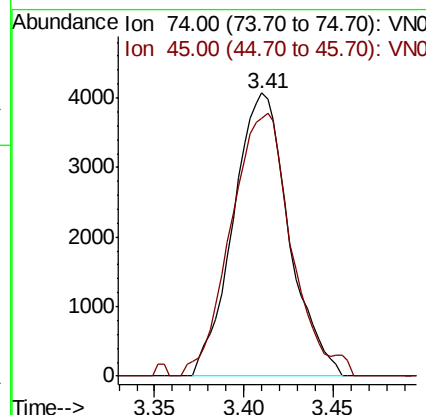
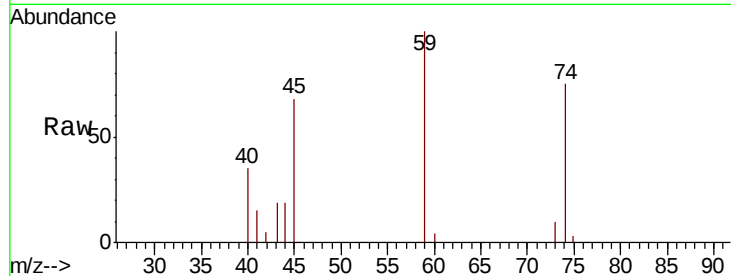




#8
 Diethyl Ether
 Concen: 4.013 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

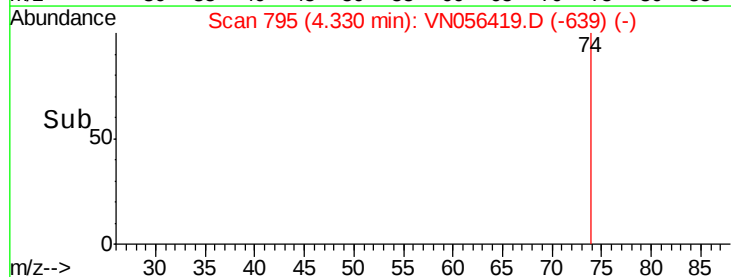
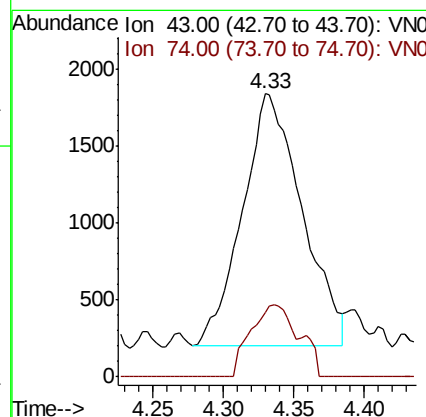
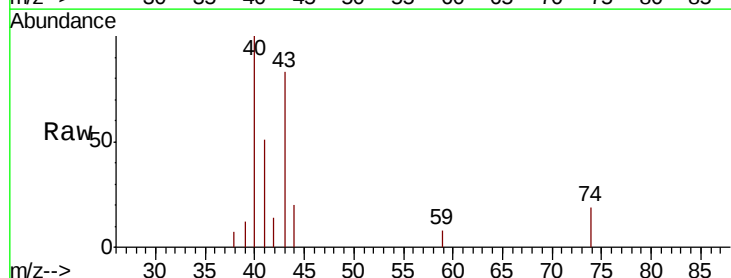
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

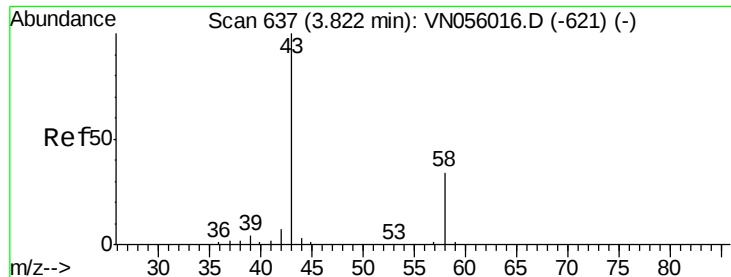
Tot Ion: 74 Resp: 8882
 Ion Ratio Lower Upper
 74 100
 45 99.1 18.8 169.6



#12
 Methyl Acetate
 Concen: 1.227 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Tgt Ion: 43 Resp: 4843
 Ion Ratio Lower Upper
 43 100
 74 27.5 19.9 29.9





#15

Acetone

Concen: 167.385 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

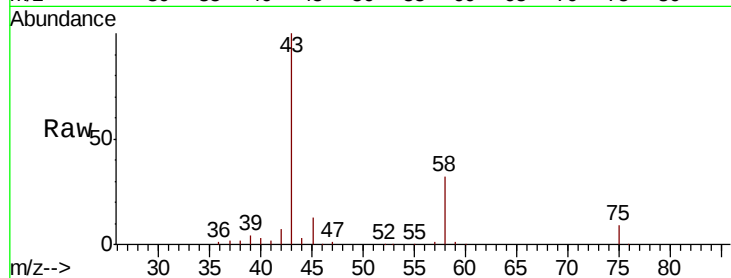
390619766-VOA

Tot Ion: 58 Resp: 96502

Ion Ratio Lower Upper

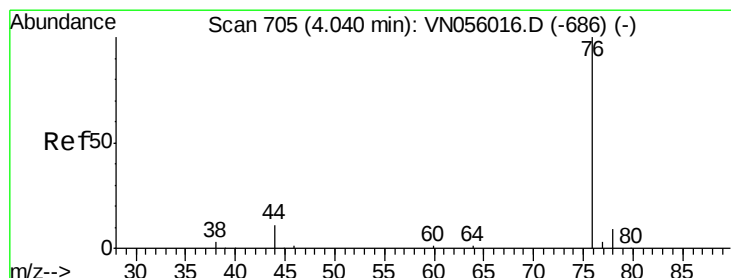
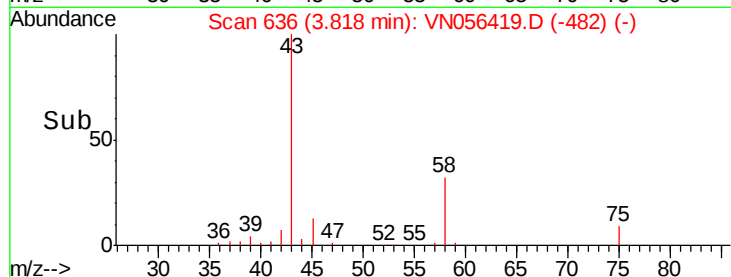
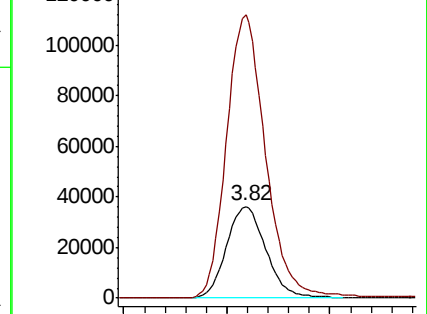
58 100

43 307.6 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 0.217 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056419.D

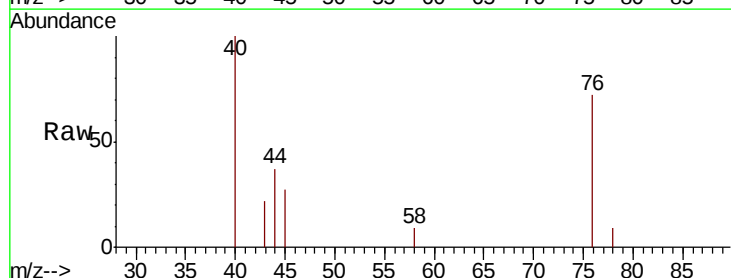
Acq: 21 Jun 2019 12:32

Tgt Ion: 76 Resp: 1694

Ion Ratio Lower Upper

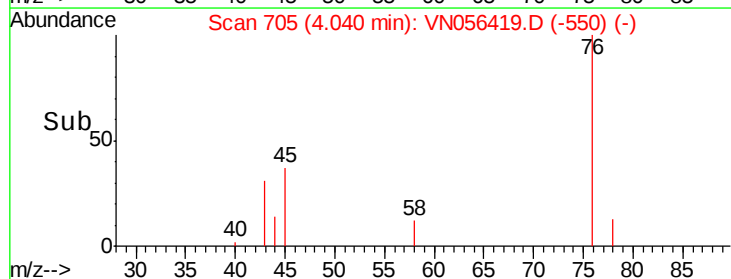
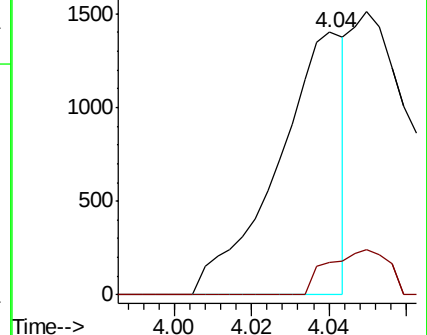
76 100

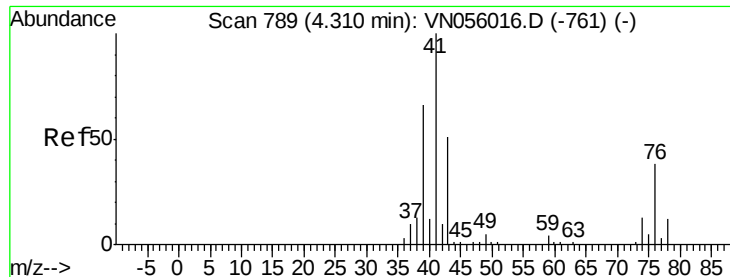
78 12.6 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

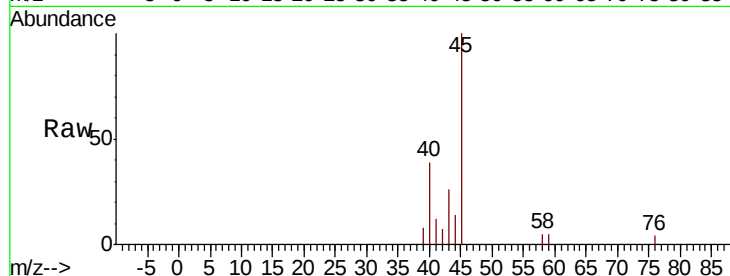




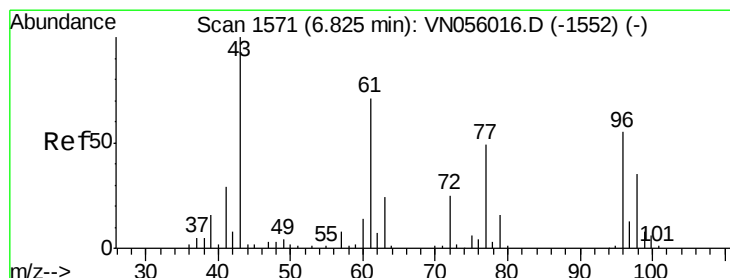
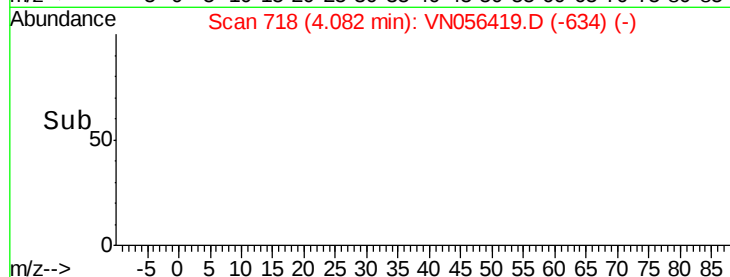
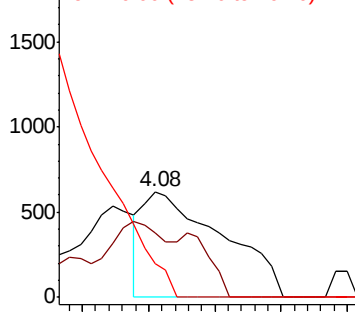
#17
Allvl chloride
Concen: 0.203 ug/l
RT: 4.08 min Scan# 718
Delta R.T. -0.23 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

Tot Ion: 41 Resp: 1034
Ion Ratio Lower Upper
41 100
39 61.1 33.0 99.0
76 31.6 18.9 56.9

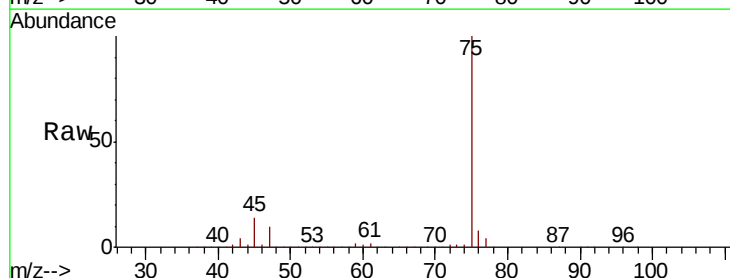


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0

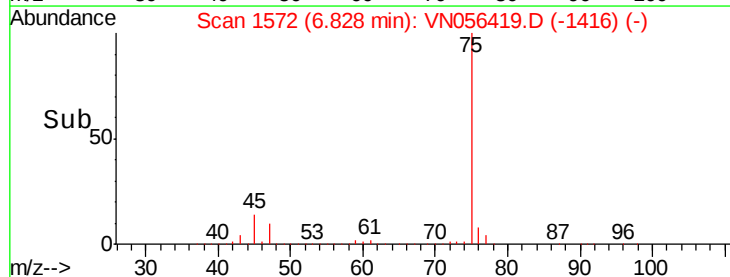
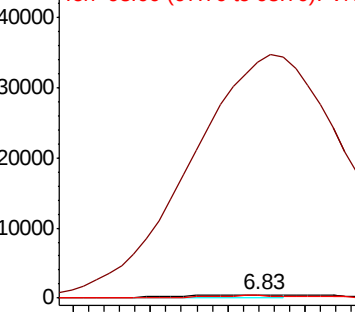


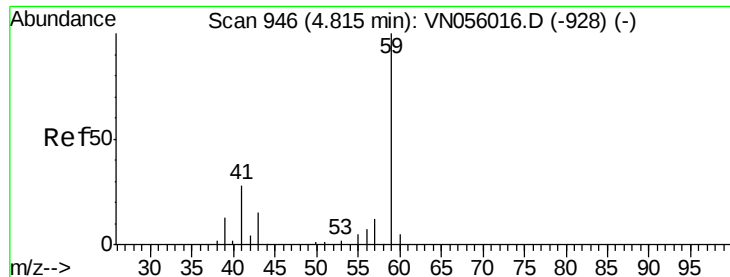
#22
cis-1,2-Dichloroethene
Concen: 0.207 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Tgt Ion: 96 Resp: 848
Ion Ratio Lower Upper
96 100
61 12140.3 105.7 158.5#
98 64.7 52.0 78.0



Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



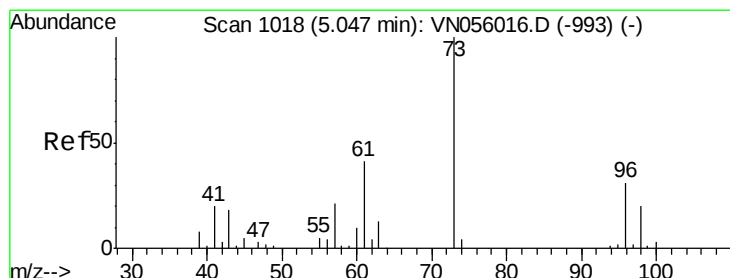
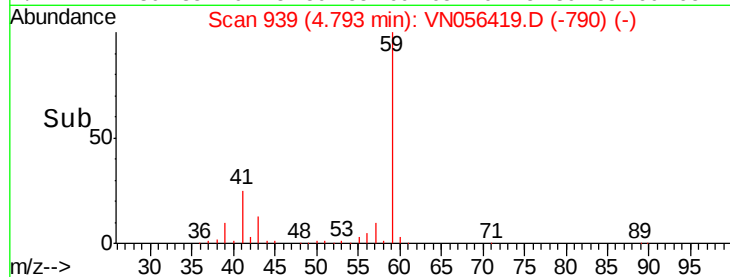
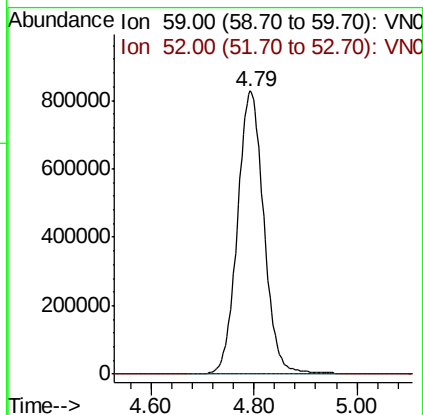
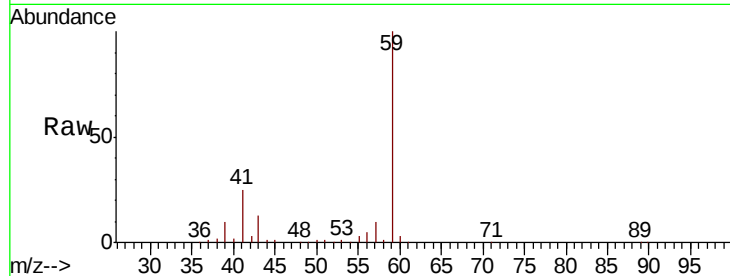


#23

tert-Butyl Alcohol
 Concen: 4296.519 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.02 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

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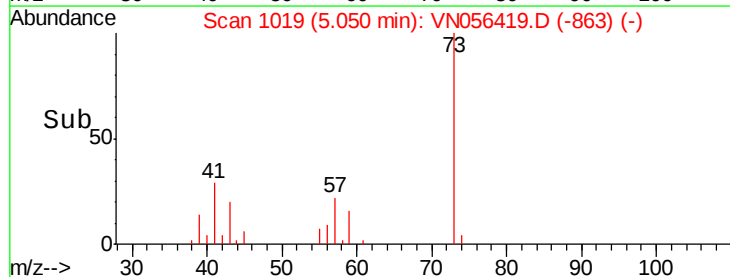
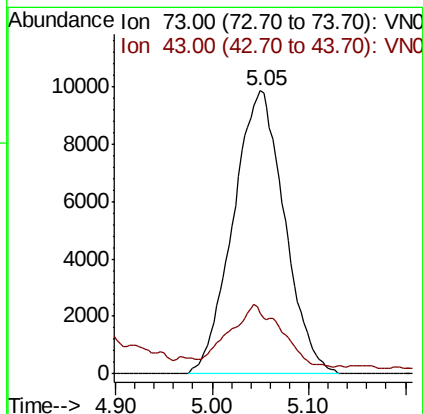
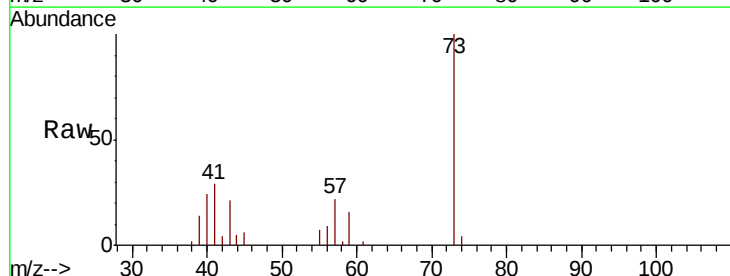
Tot Ion: 59 Resp: 2944669
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

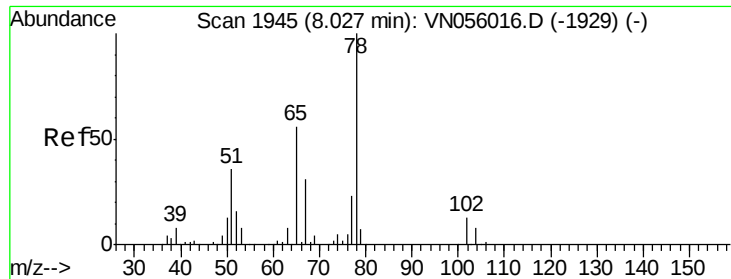


#24

Methyl tert-Butyl Ether
 Concen: 3.475 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Tgt Ion: 73 Resp: 36389
 Ion Ratio Lower Upper
 73 100
 43 11.8 15.4 23.0#





#27

1,2-Dichloroethane-d4

Concen: 33.251 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

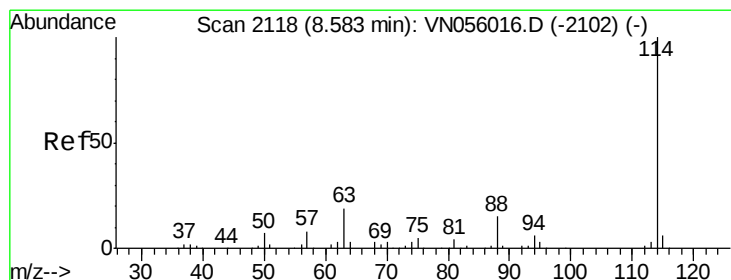
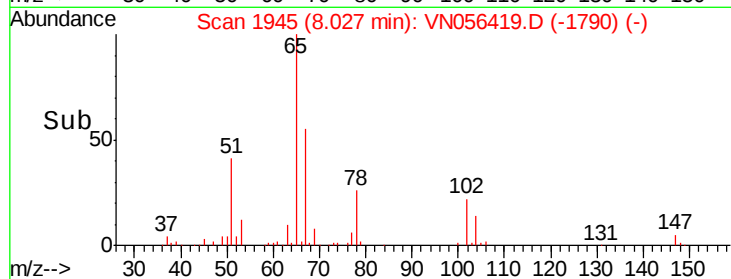
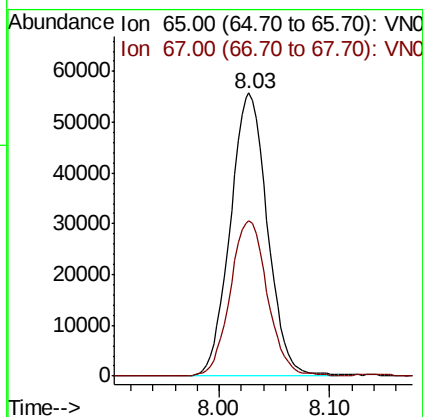
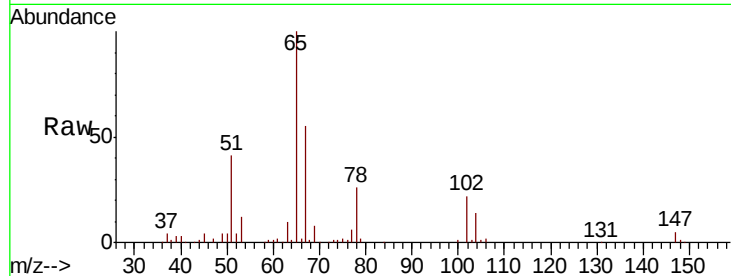
390619766-VOA

Tot Ion: 65 Resp: 129971

Ion Ratio Lower Upper

65 100

67 55.2 43.4 65.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

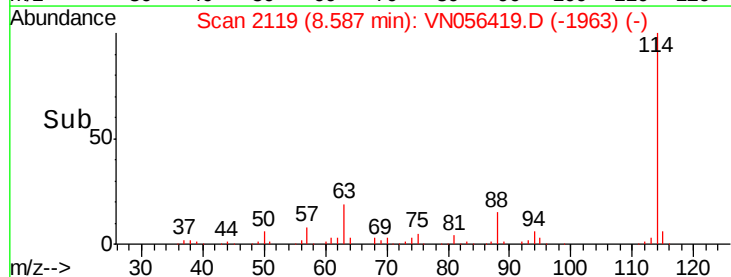
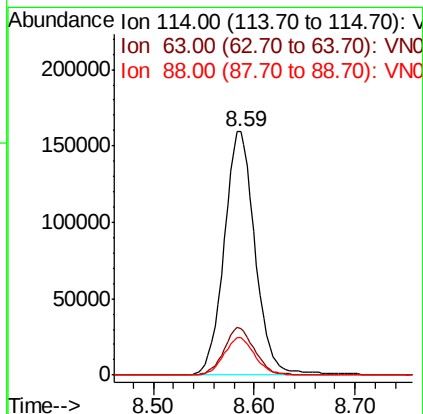
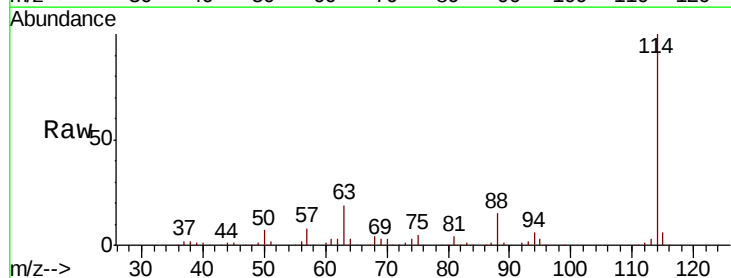
Tgt Ion: 114 Resp: 340728

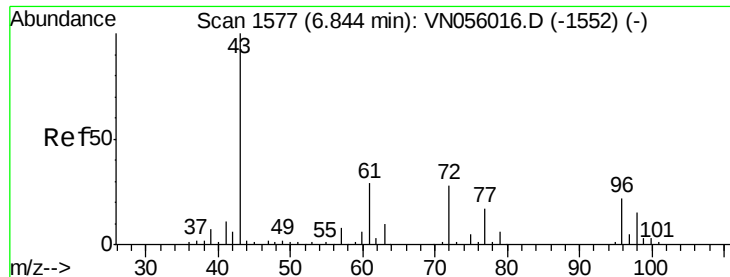
Ion Ratio Lower Upper

114 100

63 19.3 14.7 22.1

88 15.2 11.9 17.9

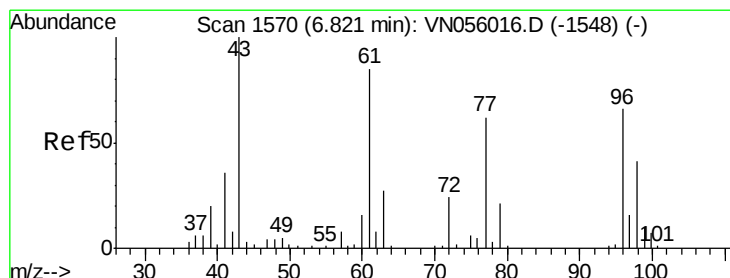
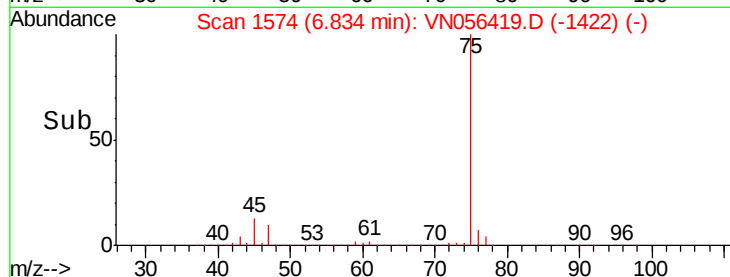
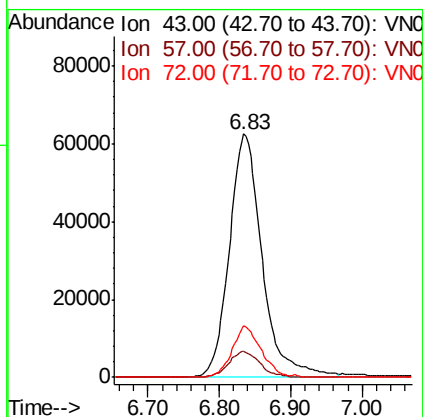
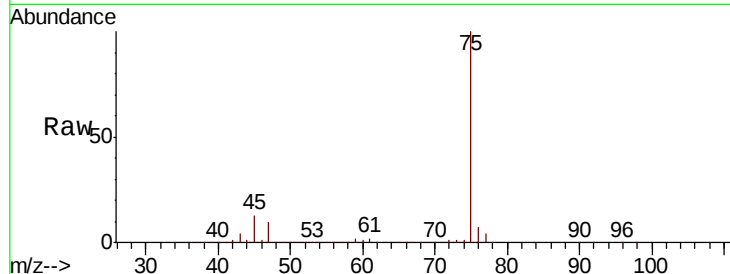




#30
 2-Butanone
 Concen: 82.781 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

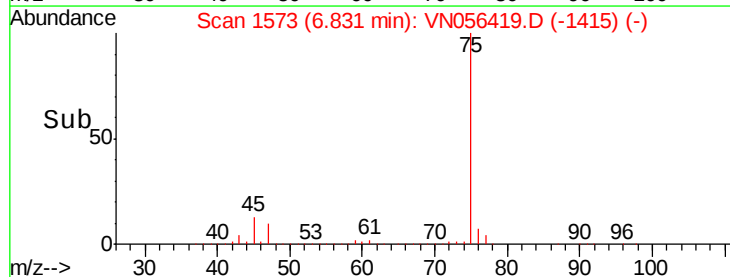
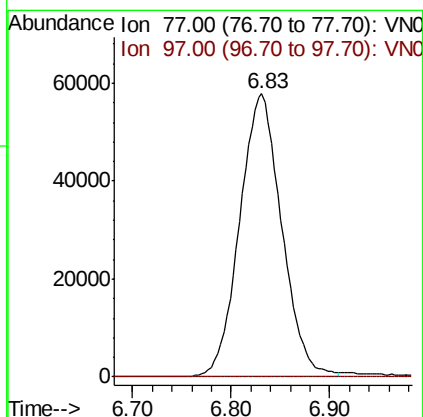
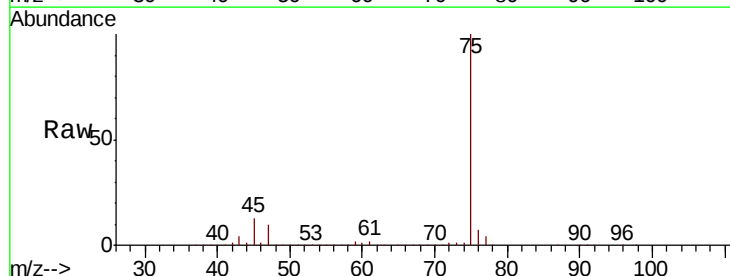
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

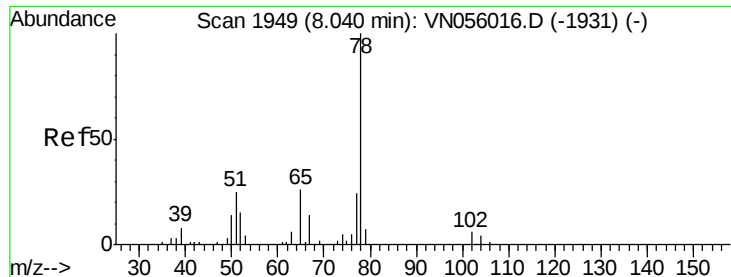
Tot Ion: 43 Resp: 200856
 Ion Ratio Lower Upper
 43 100
 57 10.1 6.7 10.1#
 72 18.5 22.4 33.6#



#31
 2,2-Dichloropropane
 Concen: 39.725 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Tgt Ion: 77 Resp: 170325
 Ion Ratio Lower Upper
 77 100
 97 0.0 20.8 31.2#





#34

Benzene

Concen: 3.557 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

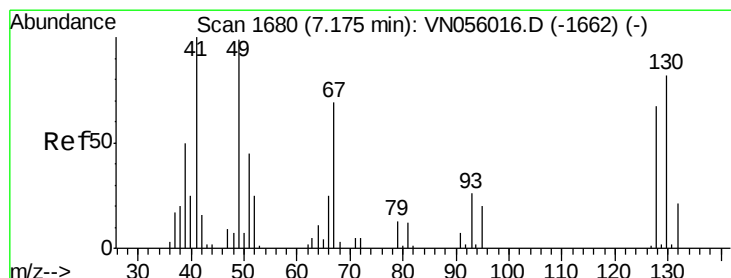
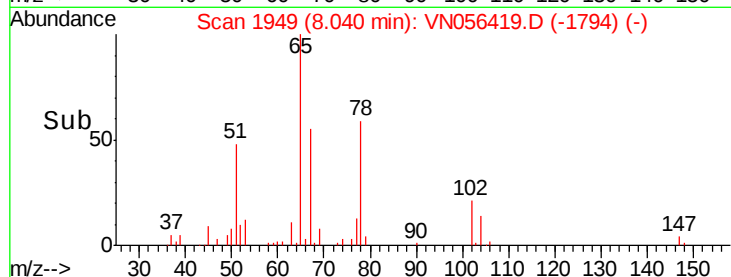
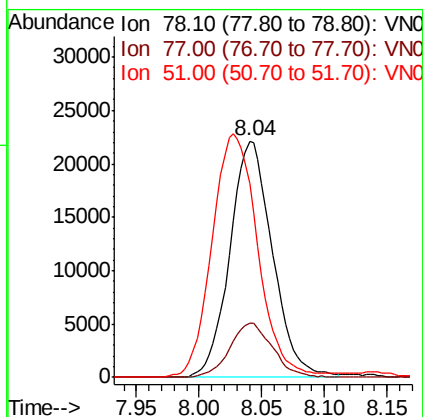
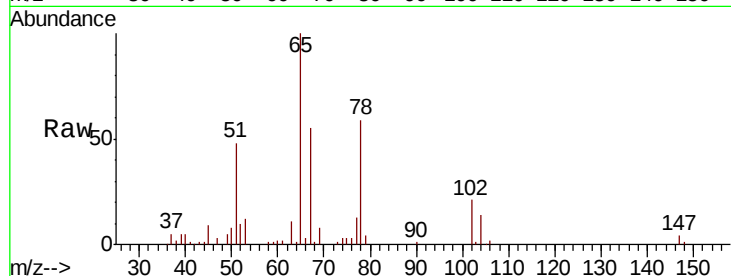
Tot Ion: 78 Resp: 52242

Ion Ratio Lower Upper

78 100

77 23.0 19.3 28.9

51 80.3 19.8 29.8#



#35

Methacrylonitrile

Concen: 198.698 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.04 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Tgt Ion: 41 Resp: 407114

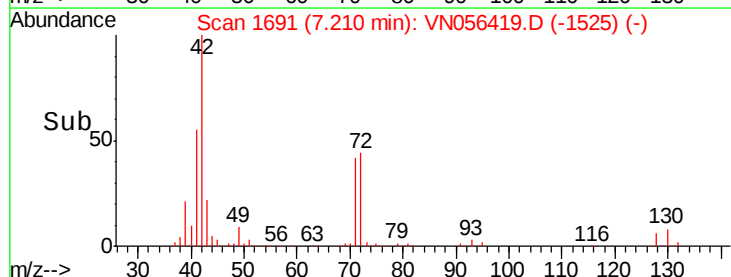
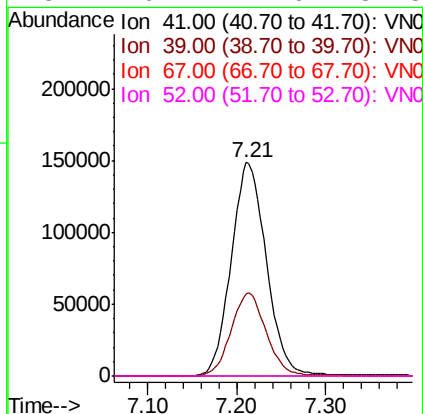
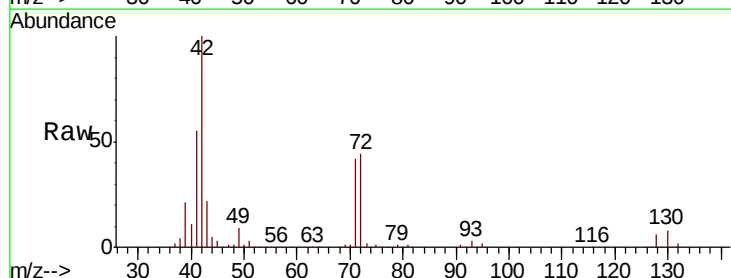
Ion Ratio Lower Upper

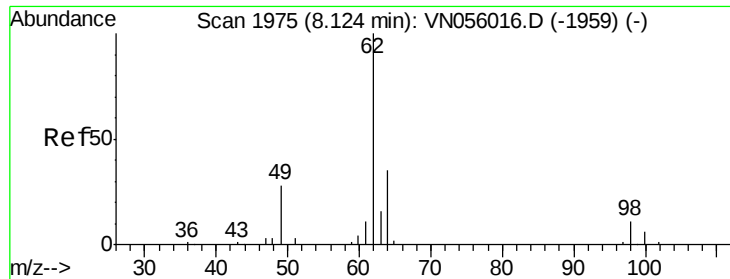
41 100

39 38.1 24.8 74.3

67 0.0 34.3 102.9#

52 0.2 12.6 37.8#

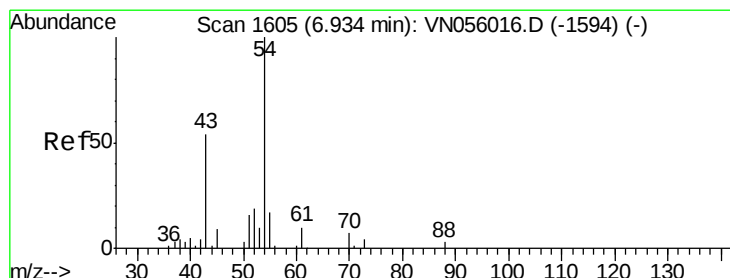
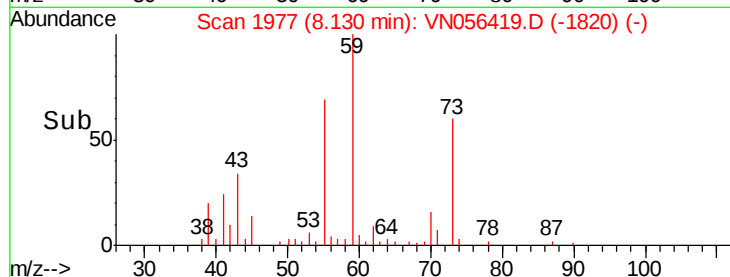
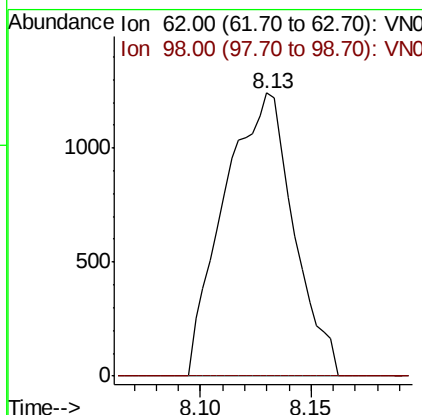
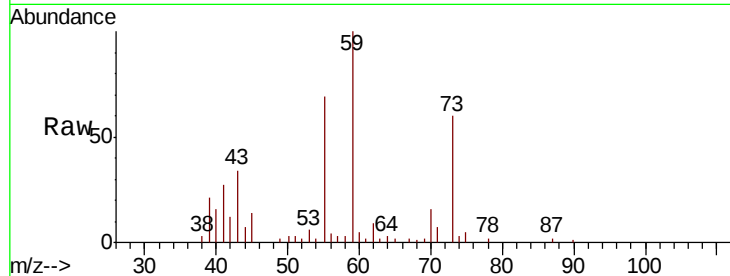




#36
 1,2-Dichloroethane
 Concen: 0.590 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

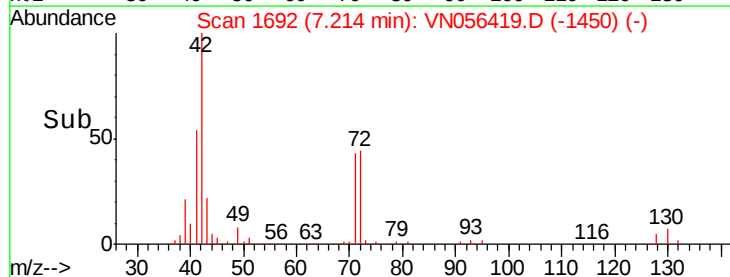
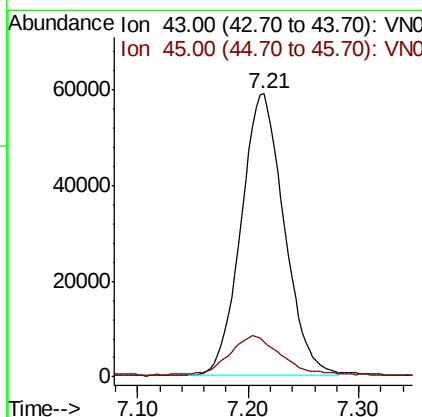
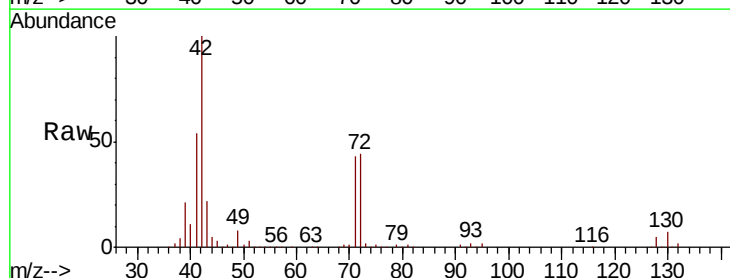
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

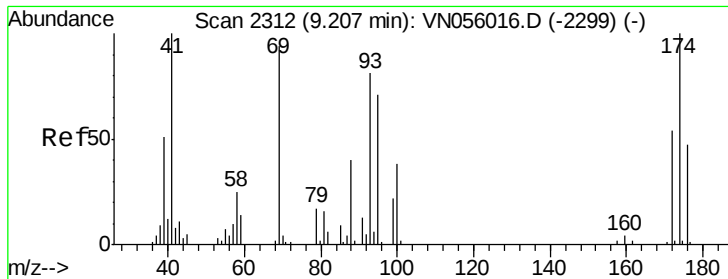
Tot Ion: 62 Resp: 2713
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.6 13.0#



#43
 Ethyl Acetate
 Concen: 34.412 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.28 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Tgt Ion: 43 Resp: 159797
 Ion Ratio Lower Upper
 43 100
 45 15.9 12.3 18.5

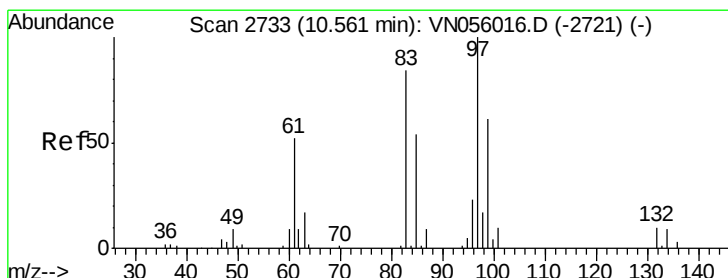
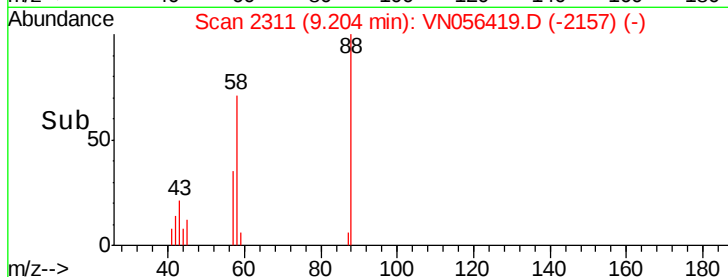
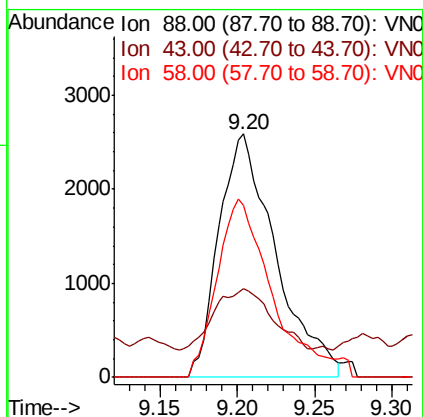
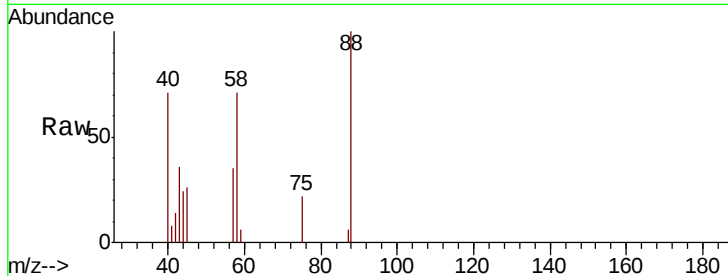




#45
 1,4-Dioxane
 Concen: 85.584 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

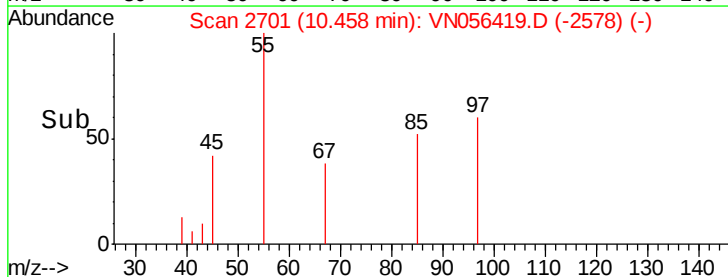
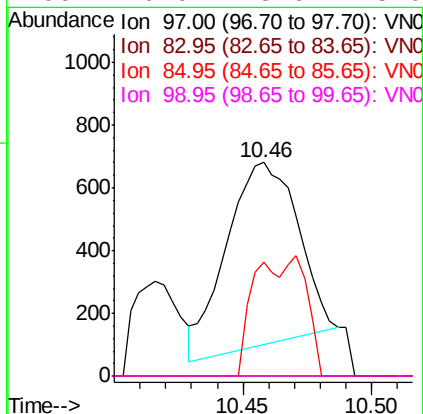
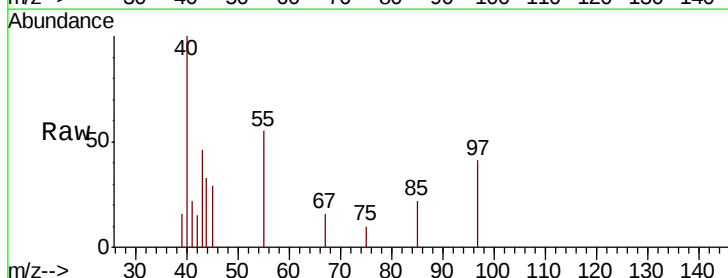
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

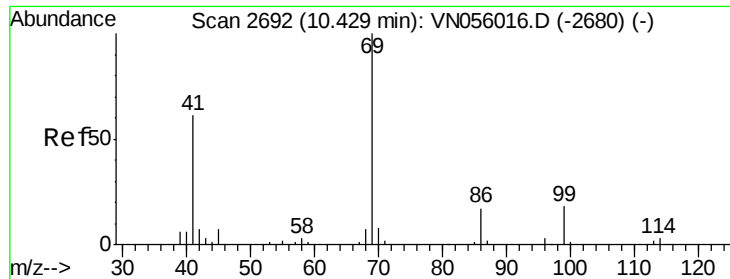
Tot Ion: 88 Resp: 6601
 Ion Ratio Lower Upper
 88 100
 43 8.0 19.8 29.6#
 58 70.1 48.5 72.7



#50
 1,1,2-Trichloroethane
 Concen: 0.305 ug/l
 RT: 10.46 min Scan# 2701
 Delta R.T. -0.10 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Tgt Ion: 97 Resp: 1129
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.9 100.3#
 85 69.1 43.3 64.9#
 99 0.0 48.6 73.0#

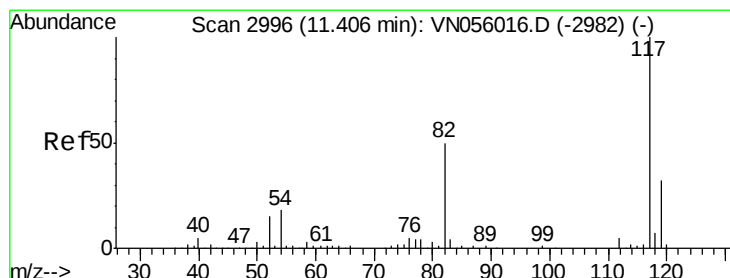
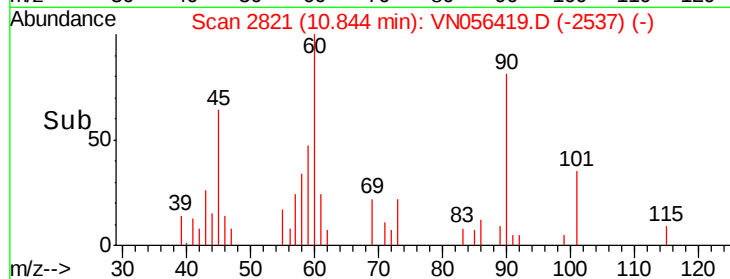
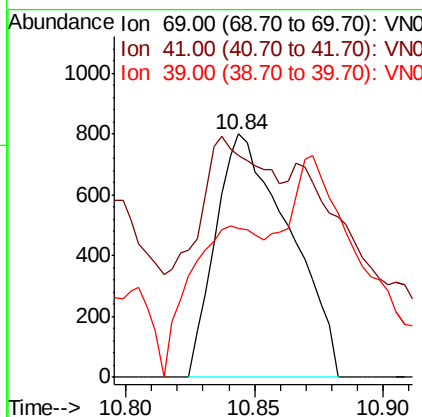
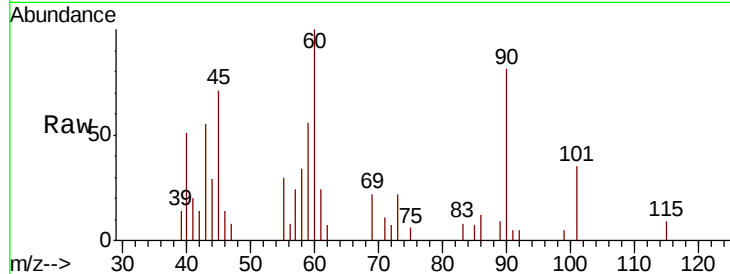




#51
Ethyl methacrylate
Concen: 0.285 ug/l
RT: 10.84 min Scan# 2821
Delta R.T. 0.41 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

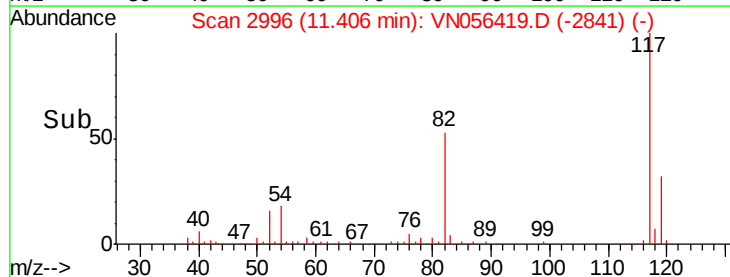
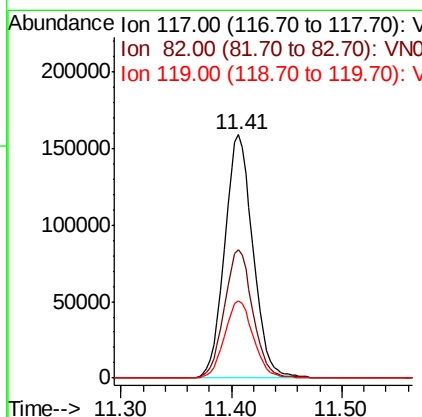
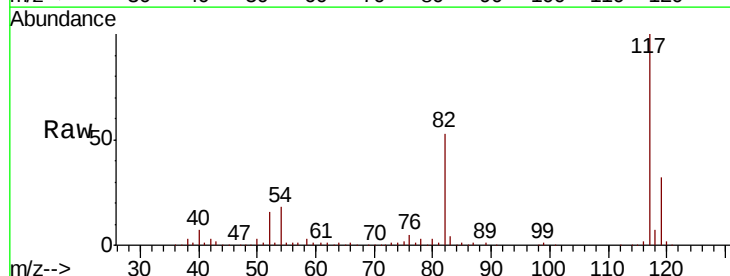
Instrument :
MSVOA_N
ClientSampled :
390619766-VOA

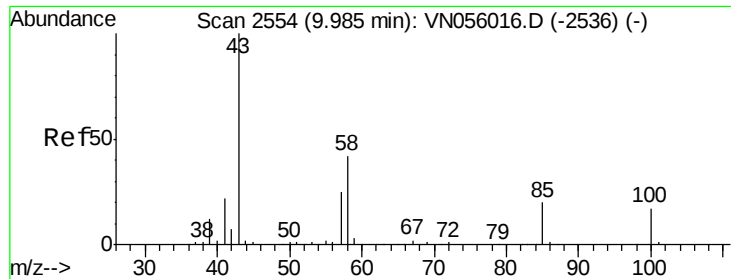
Tot Ion: 69 Resp: 1597
Ion Ratio Lower Upper
69 100
41 38.5 30.8 92.3
39 19.5 14.5 43.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Tgt Ion: 117 Resp: 283202
Ion Ratio Lower Upper
117 100
82 53.1 41.2 61.8
119 32.4 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 12.585 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

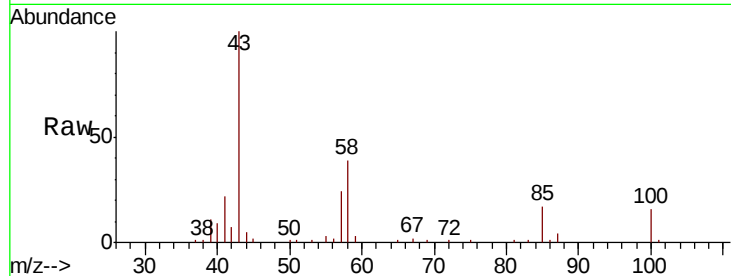
Tot Ion: 43 Resp: 53971

Ion Ratio Lower Upper

43 100

58 36.8 33.1 49.7

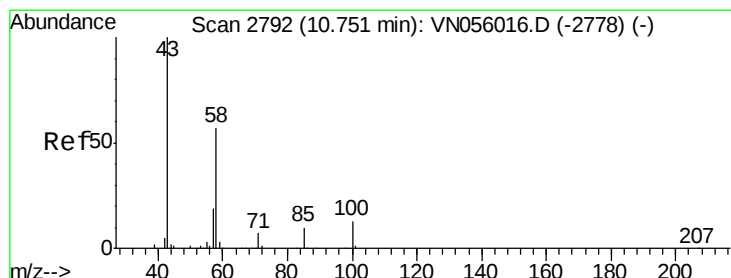
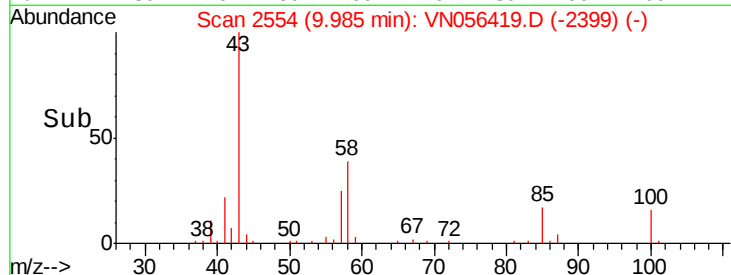
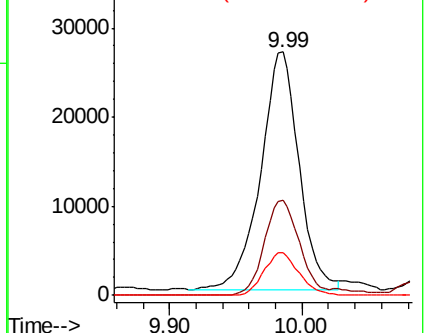
85 16.3 15.5 23.3



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: 61.334 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

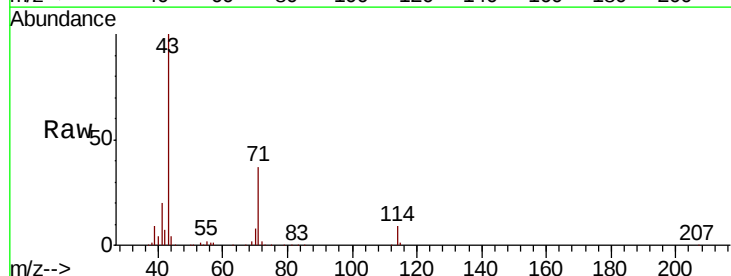
Tgt Ion: 43 Resp: 187995

Ion Ratio Lower Upper

43 100

58 0.0 45.3 67.9#

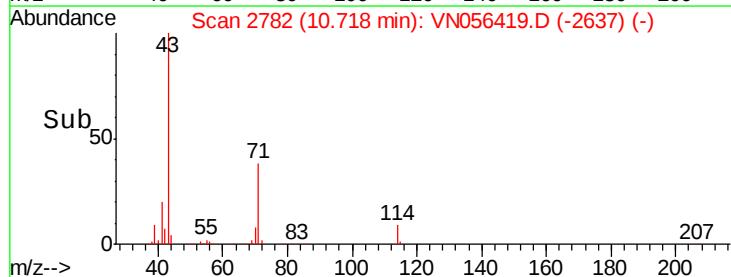
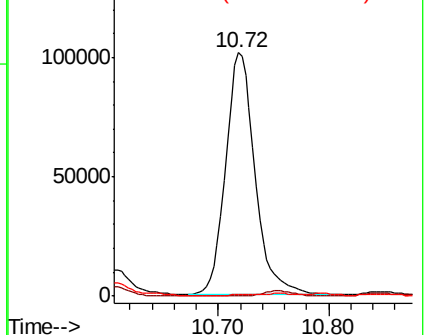
57 0.2 15.6 23.4#

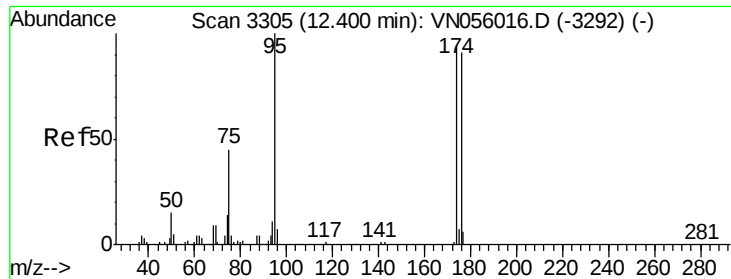


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 26.951 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

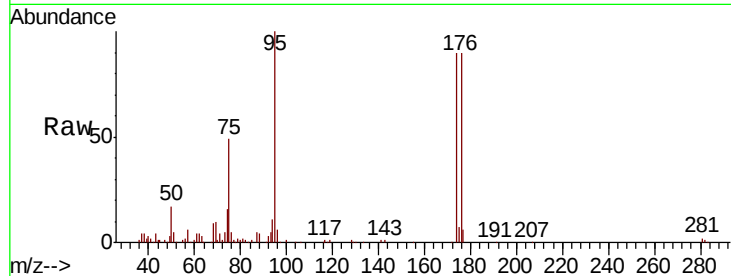
Tot Ion: 95 Resp: 113130

Ion Ratio Lower Upper

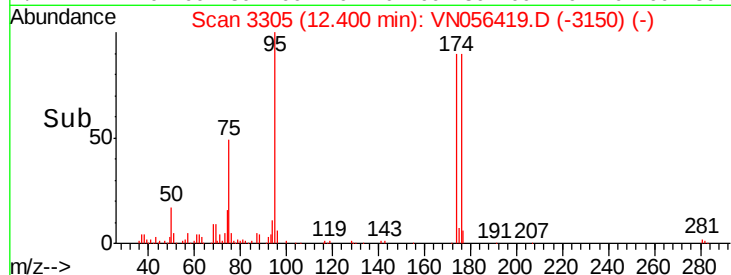
95 100

174 90.4 75.4 113.0

176 87.9 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN056419.D (-3150) (-)



Ion 174.00 (173.70 to 174.70): VN056419.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056419.D (-3150) (-)

12.40

80000

60000

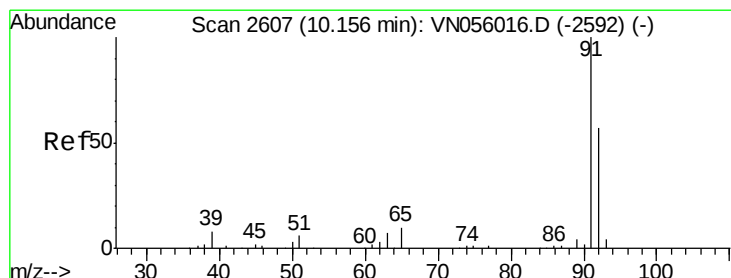
40000

20000

0

12.30 12.40 12.50

Time-->



#62

Toluene

Concen: 2.578 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056419.D

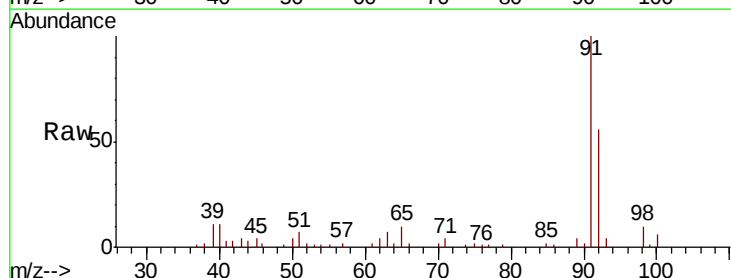
Acq: 21 Jun 2019 12:32

Tgt Ion: 91 Resp: 39420

Ion Ratio Lower Upper

91 100

92 57.3 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN056419.D (-2452) (-)

Ion 92.00 (91.70 to 92.70): VN056419.D (-2452) (-)

10.16

25000

20000

15000

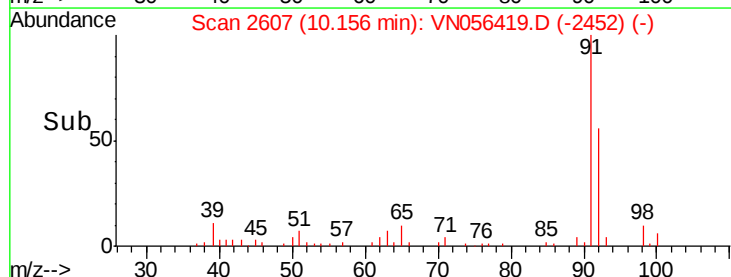
10000

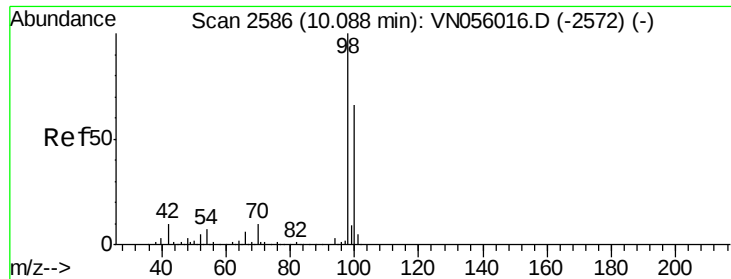
5000

0

10.10 10.15 10.20

Time-->





#63

Toluene-d8

Concen: 31.335 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

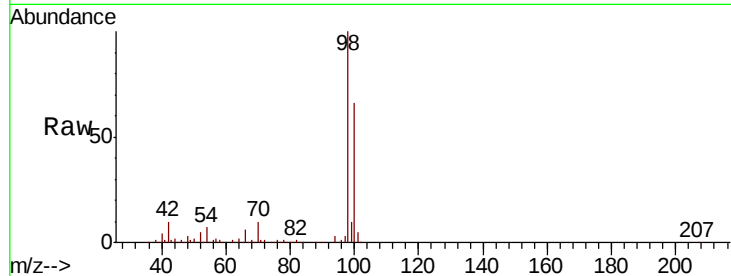
390619766-VOA

Tot Ion: 98 Resp: 402556

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

250000

200000

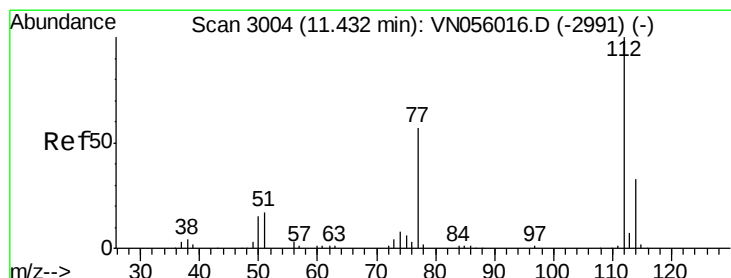
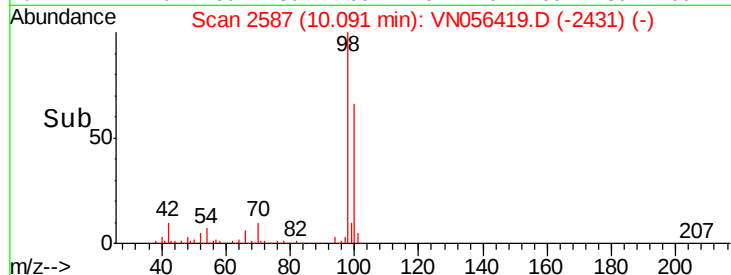
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 1.135 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056419.D

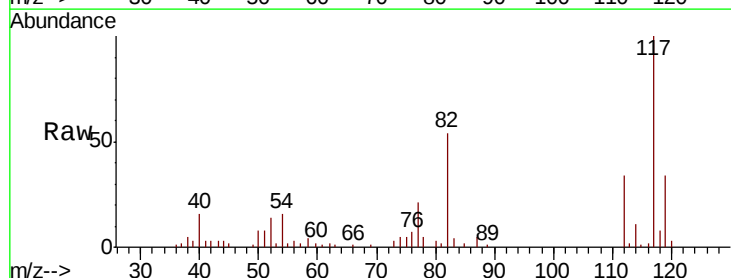
Acq: 21 Jun 2019 12:32

Tgt Ion: 112 Resp: 10522

Ion Ratio Lower Upper

112 100

114 32.2 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

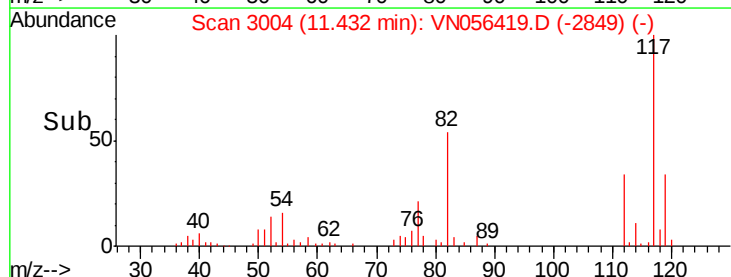
6000

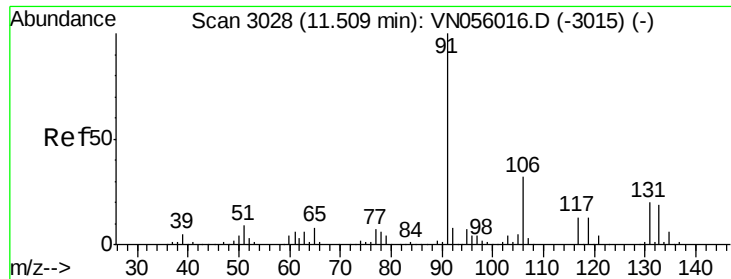
4000

2000

0

Time-->

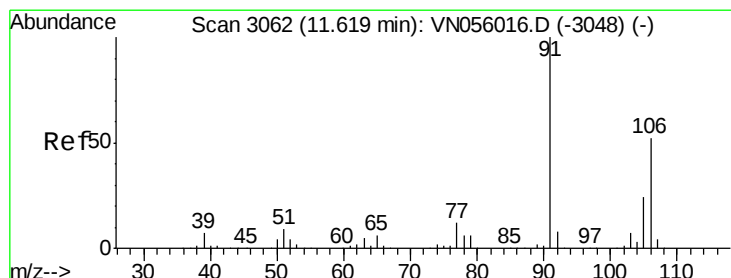
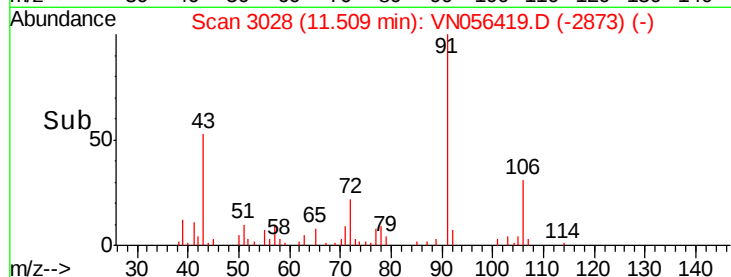
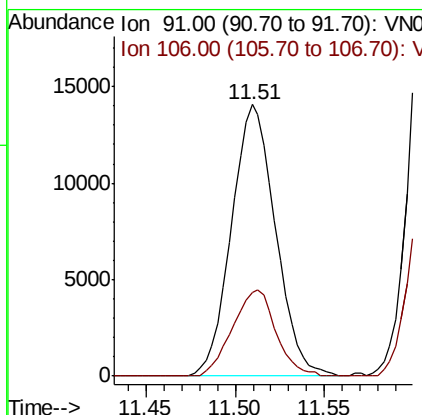
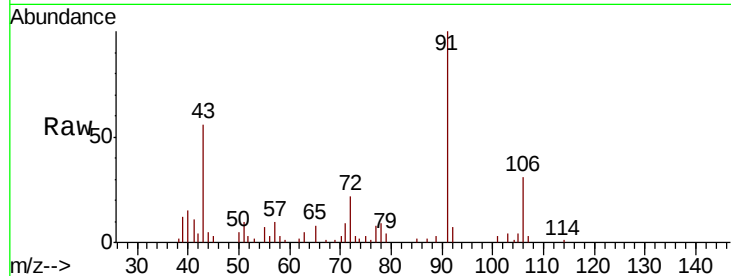




#66
Ethyl Benzene
Concen: 1.491 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

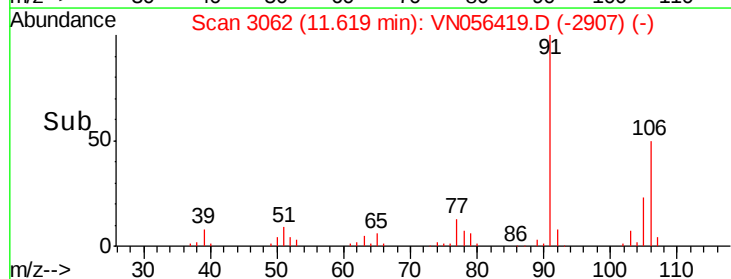
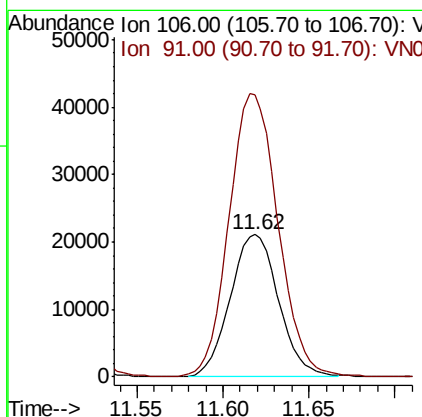
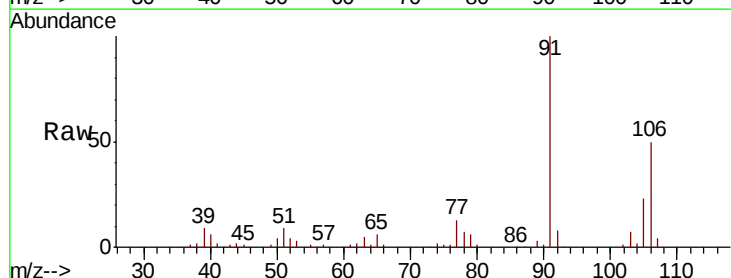
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

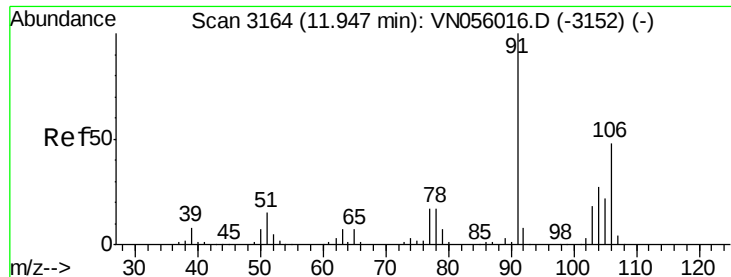
Tot Ion: 91 Resp: 24281
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5



#67
m/p-Xylenes
Concen: 6.620 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Tgt Ion: 106 Resp: 41259
Ion Ratio Lower Upper
106 100
91 201.2 155.7 233.5

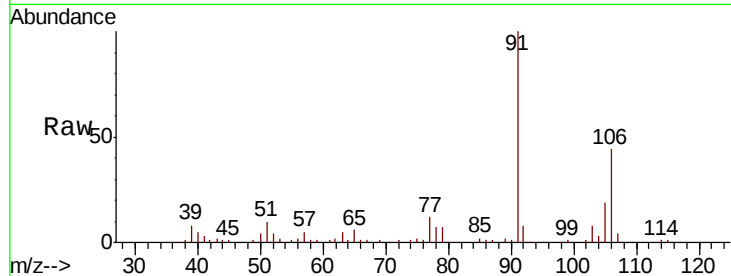




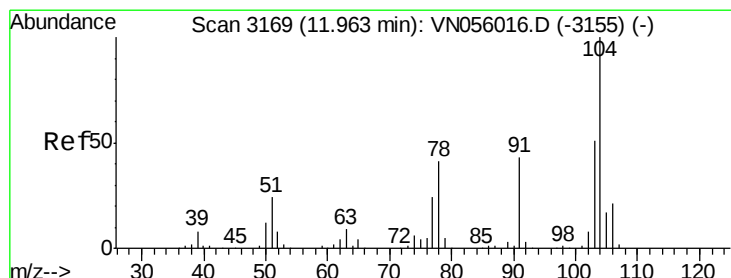
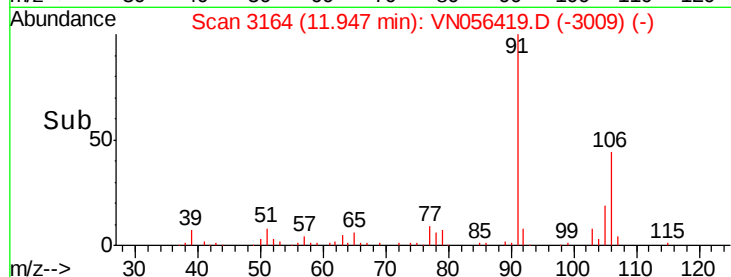
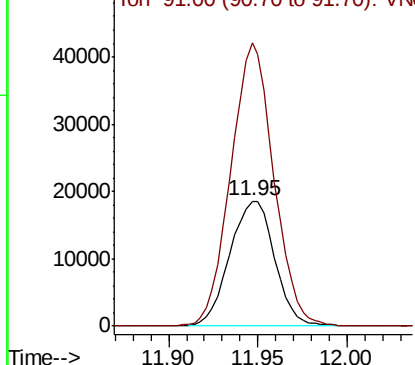
#68
o-Xylene
Concen: 5.358 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

Tot Ion:106 Resp: 32696
Ion Ratio Lower Upper
106 100
91 216.0 103.9 311.7

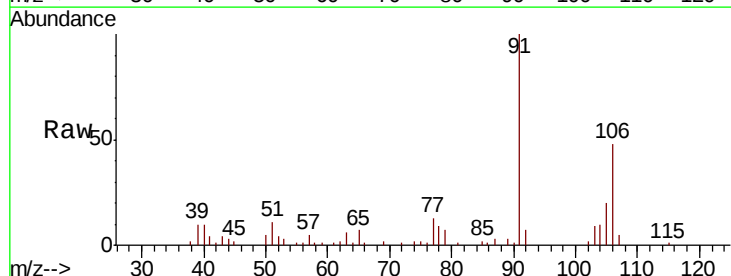


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

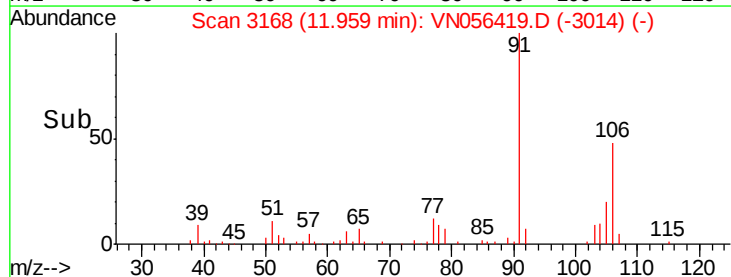
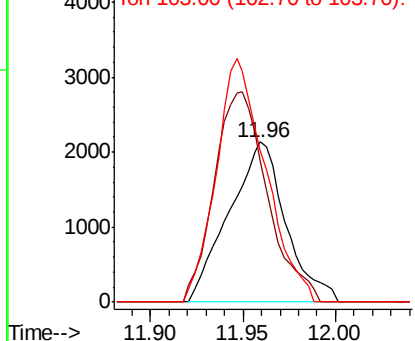


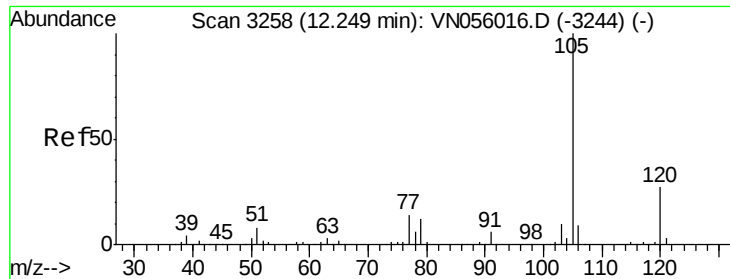
#69
Styrene
Concen: 0.459 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Tgt Ion:104 Resp: 4554
Ion Ratio Lower Upper
104 100
78 122.1 37.0 55.6#
103 131.5 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: 1.232 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

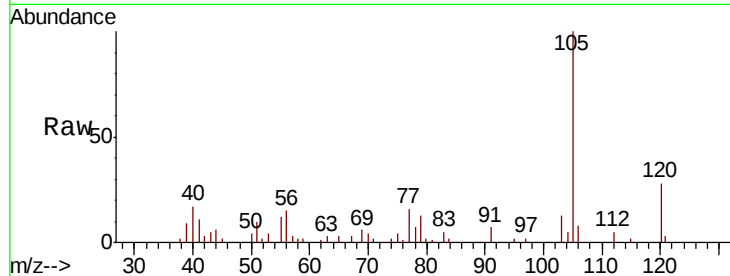
390619766-VOA

Tot Ion:105 Resp: 19634

Ion Ratio Lower Upper

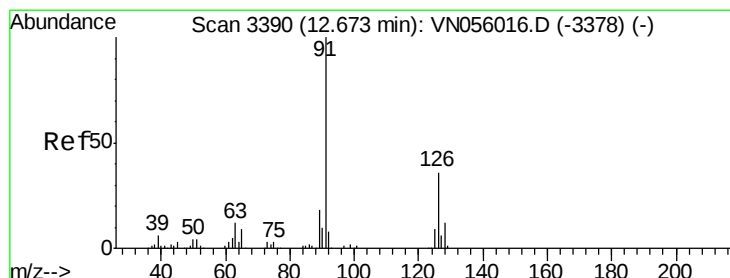
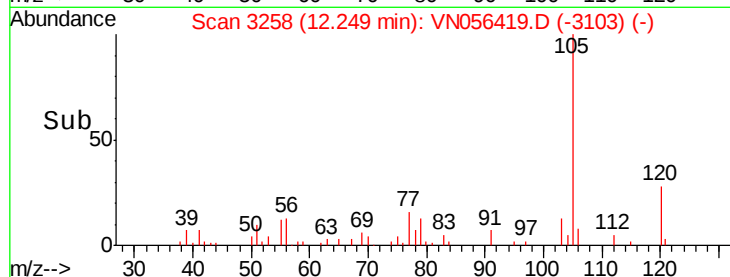
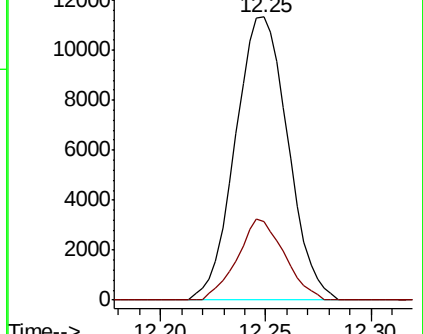
105 100

120 25.8 19.3 35.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.419 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056419.D

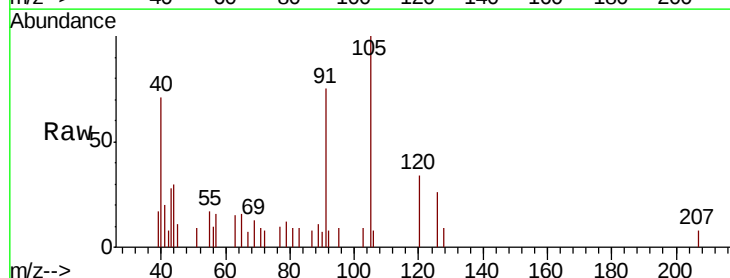
Acq: 21 Jun 2019 12:32

Tgt Ion: 91 Resp: 4377

Ion Ratio Lower Upper

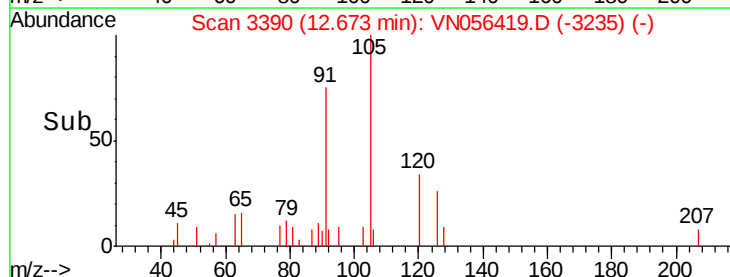
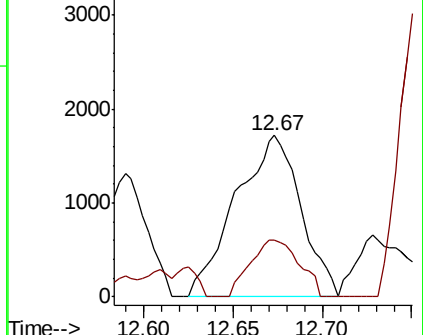
91 100

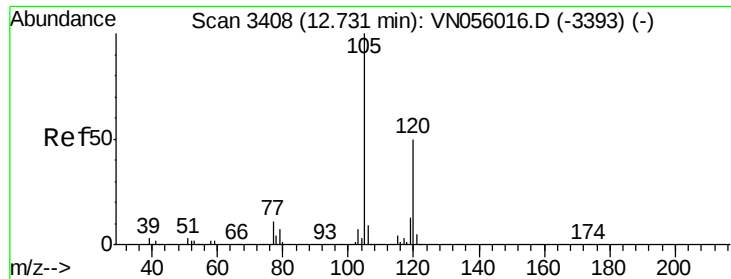
126 26.7 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 0.746 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

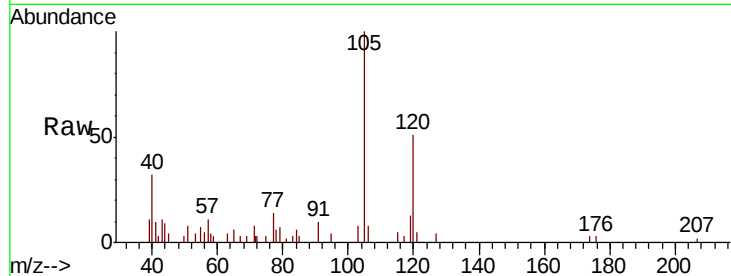
390619766-VOA

Tot Ion:105 Resp: 9789

Ion Ratio Lower Upper

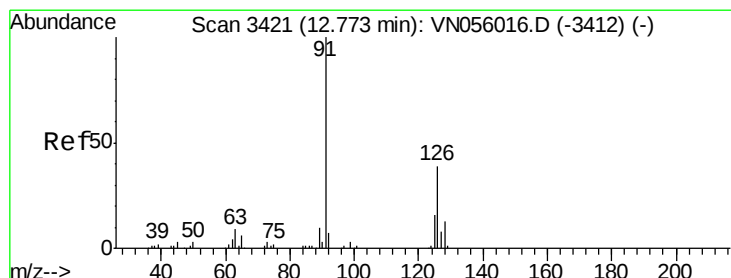
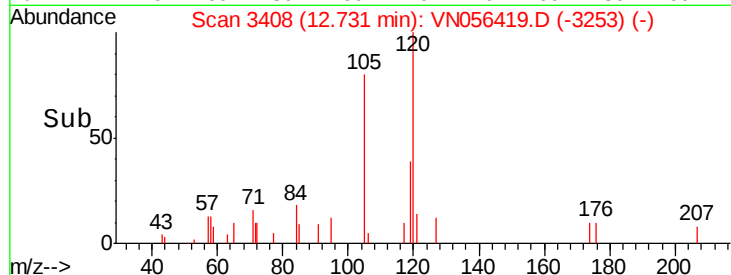
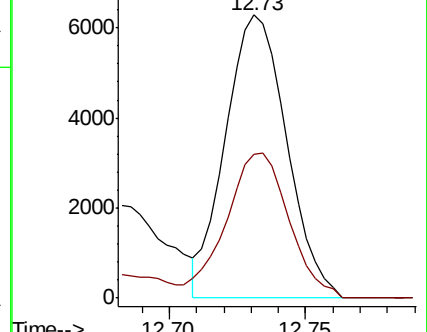
105 100

120 53.1 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

4-Chlorotoluene

Concen: 0.449 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.10 min

Lab File: VN056419.D

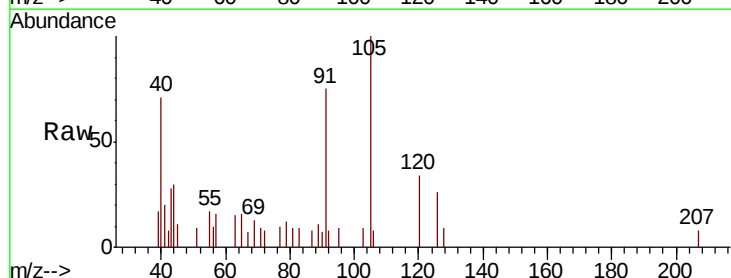
Acq: 21 Jun 2019 12:32

Tgt Ion: 91 Resp: 4377

Ion Ratio Lower Upper

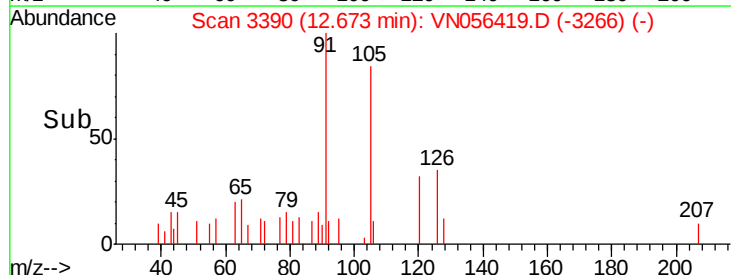
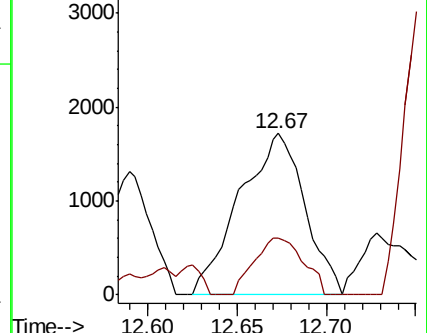
91 100

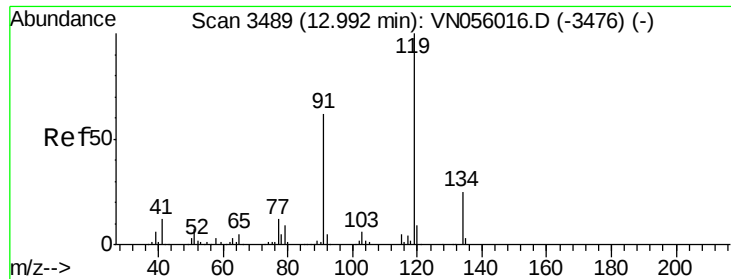
126 26.7 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 0.292 ug/l

RT: 13.23 min Scan# 3563

Delta R.T. 0.24 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

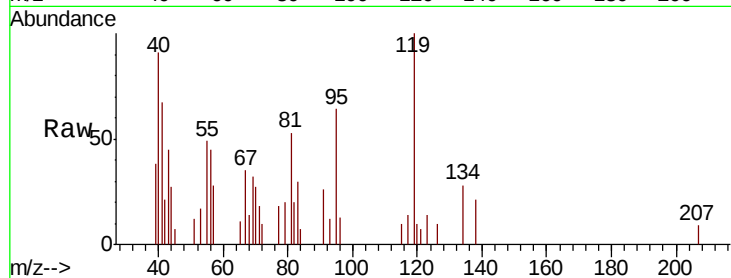
Tot Ion:119 Resp: 3397

Ion Ratio Lower Upper

119 100

91 28.6 0.0 122.8

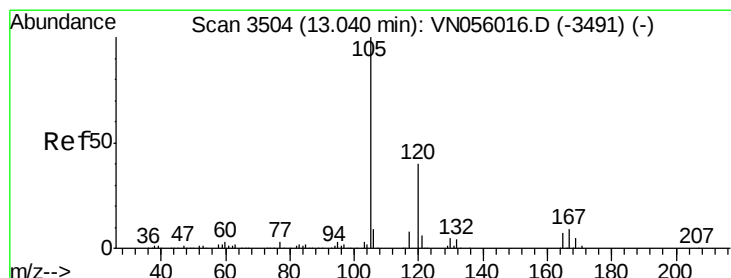
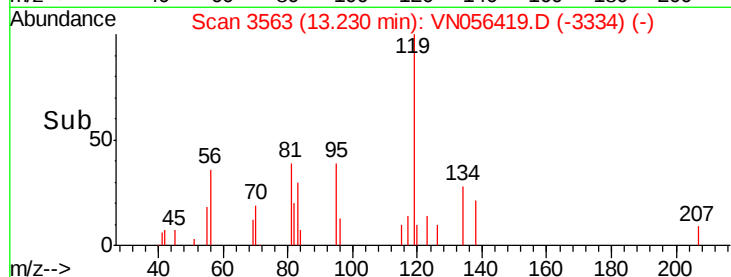
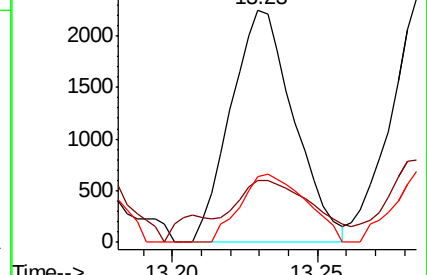
134 30.4 0.0 50.2



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



#80

1,2,4-Trimethylbenzene

Concen: 1.740 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056419.D

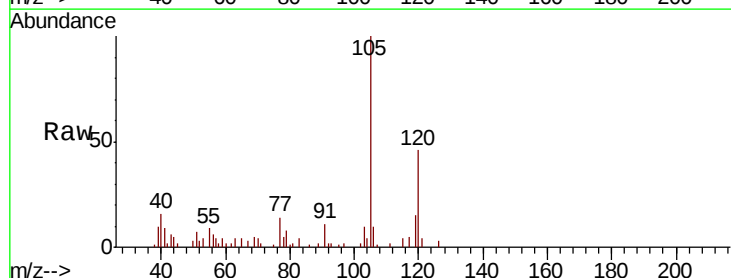
Acq: 21 Jun 2019 12:32

Tgt Ion:105 Resp: 22198

Ion Ratio Lower Upper

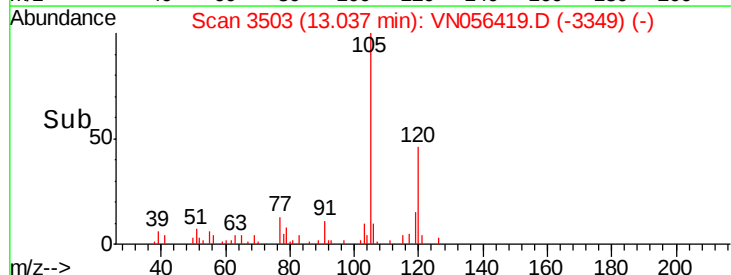
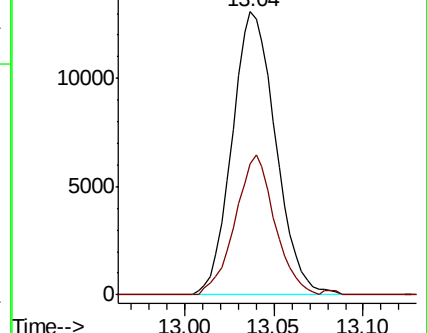
105 100

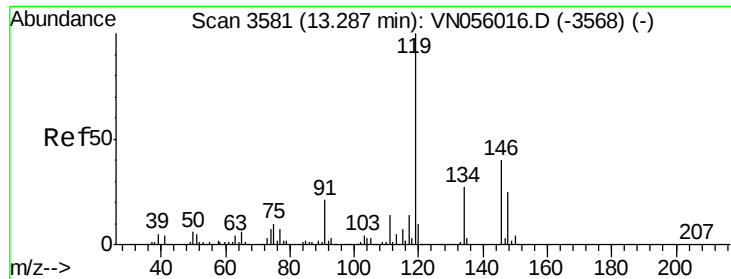
120 45.0 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

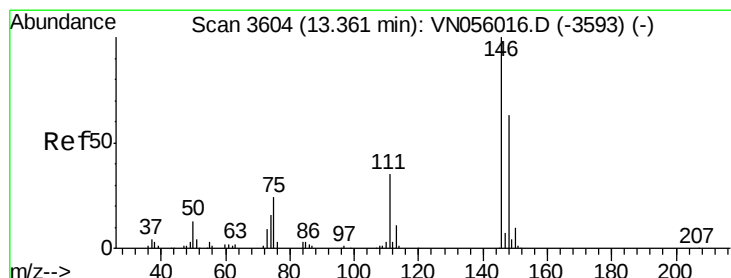
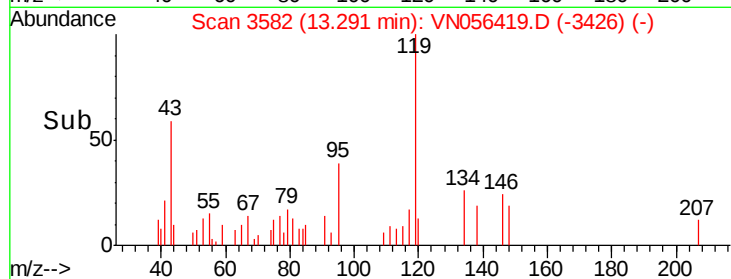
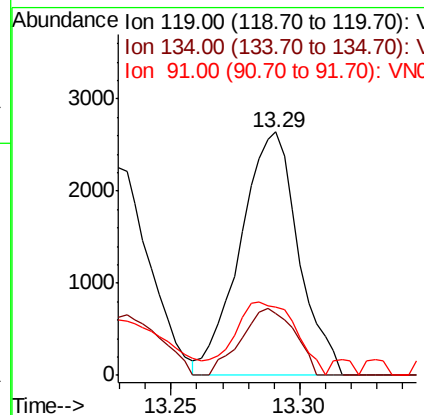
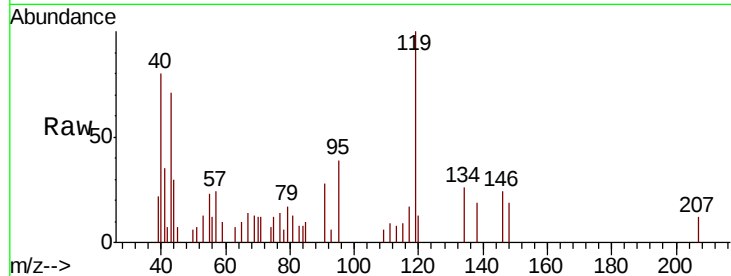




#82
 p-Isopropyltoluene
 Concen: 0.313 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

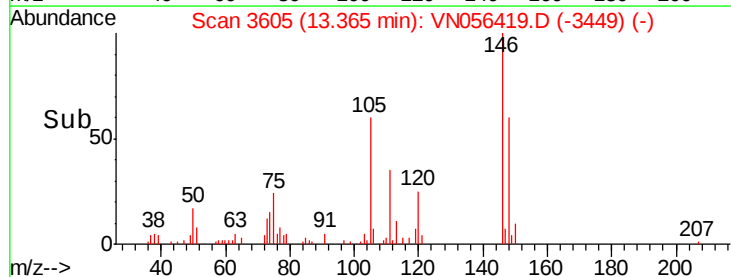
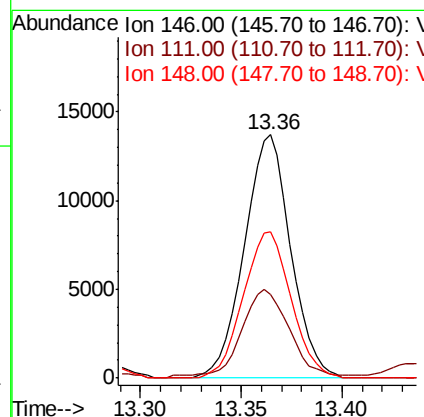
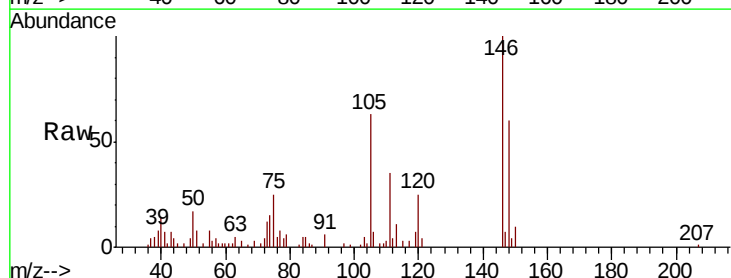
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

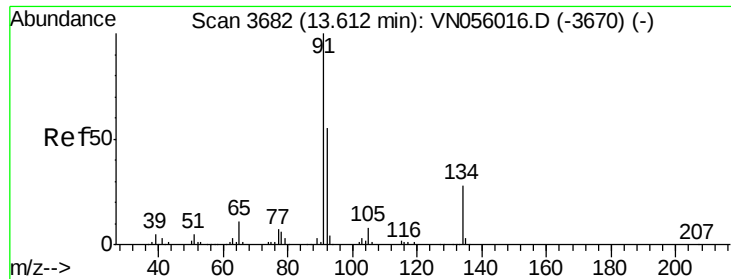
Tot Ion:119 Resp: 4155
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 53.4
 91 32.2 0.0 43.0



#84
 1,4-Dichlorobenzene
 Concen: 3.515 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Tgt Ion:146 Resp: 22079
 Ion Ratio Lower Upper
 146 100
 111 34.3 17.6 52.9
 148 62.0 32.1 96.3

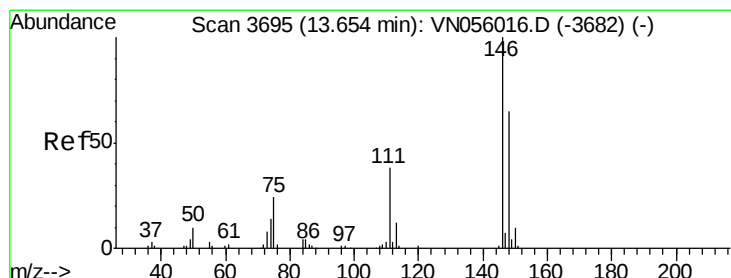
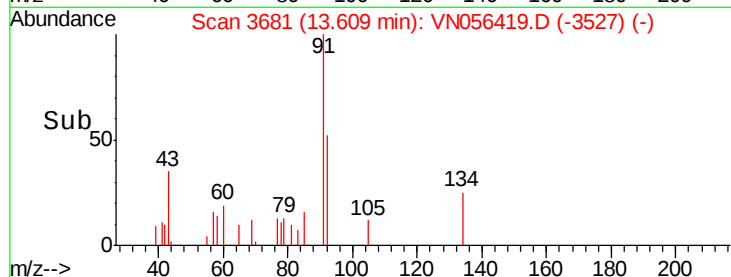
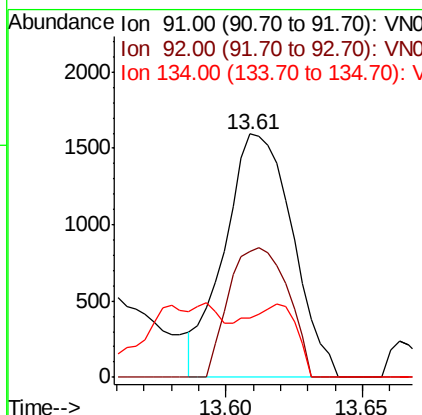
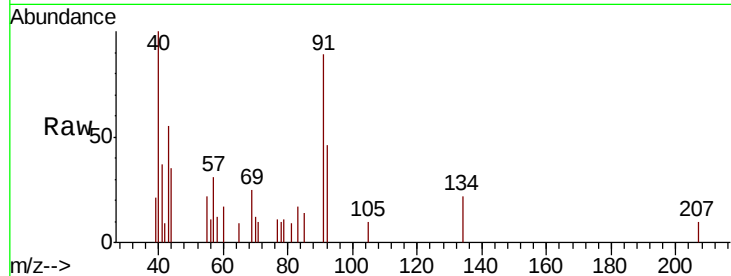




#85
n-Butylbenzene
Concen: 0.279 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

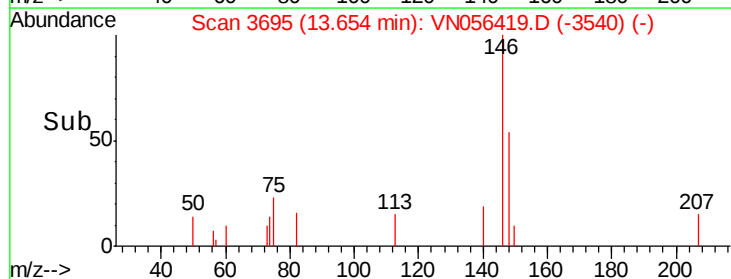
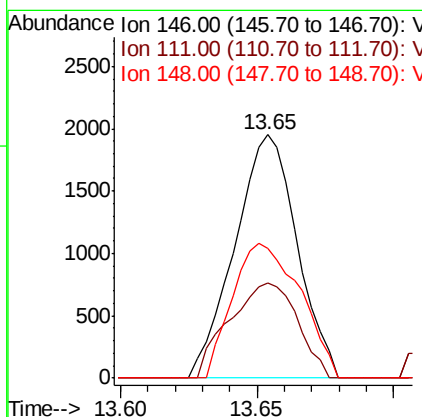
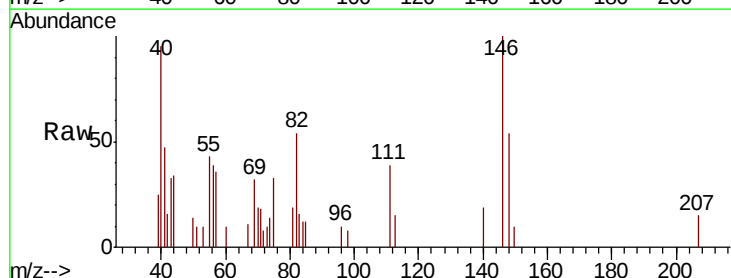
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

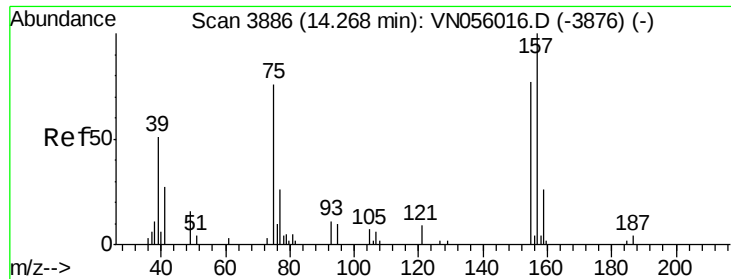
Tot Ion: 91 Resp: 2763
Ion Ratio Lower Upper
91 100
92 46.5 0.0 107.2
134 20.5 0.0 55.8



#87
1,2-Dichlorobenzene
Concen: 0.460 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN056419.D
Acq: 21 Jun 2019 12:32

Tgt Ion: 146 Resp: 3086
Ion Ratio Lower Upper
146 100
111 43.0 19.3 57.9
148 60.6 32.6 97.8





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.237 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

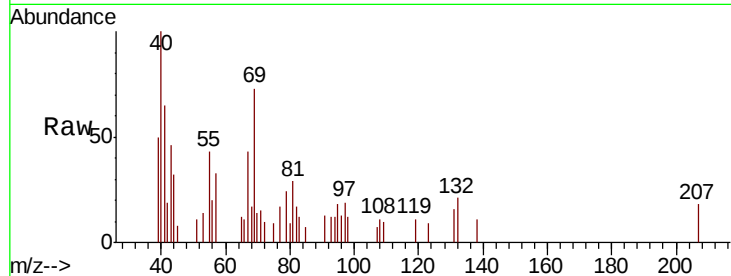
Tot Ion: 75 Resp: 179

Ion Ratio Lower Upper

75 100

155 0.0 82.5 123.7#

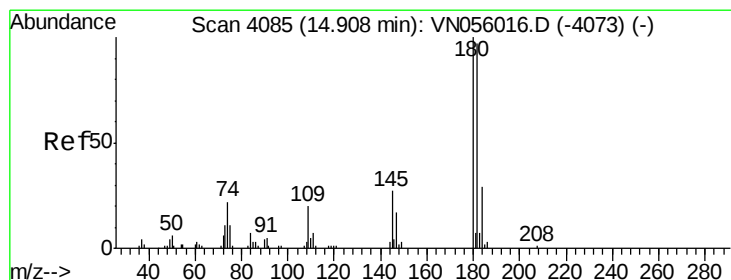
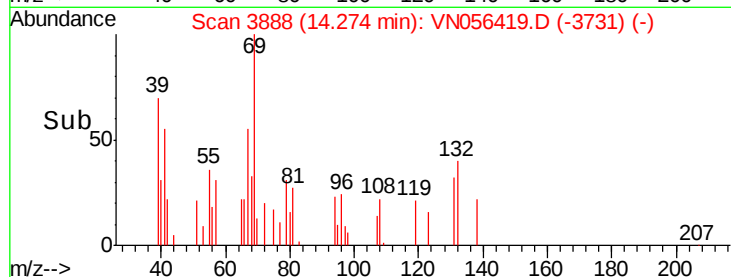
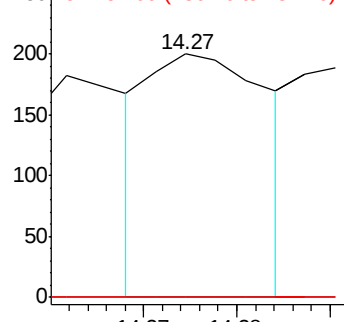
157 0.0 105.1 157.7#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#89

1,2,4-Trichlorobenzene

Concen: 9.075 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.41 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

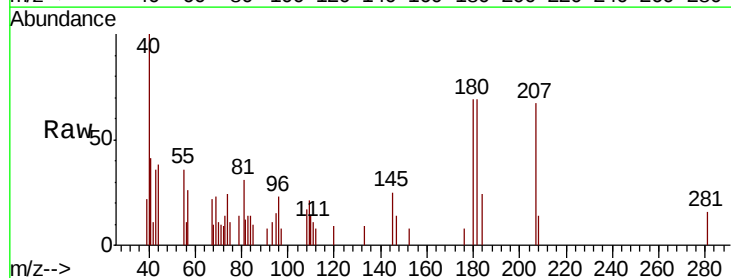
Tgt Ion:180 Resp: 2468

Ion Ratio Lower Upper

180 100

182 96.1 75.0 112.6

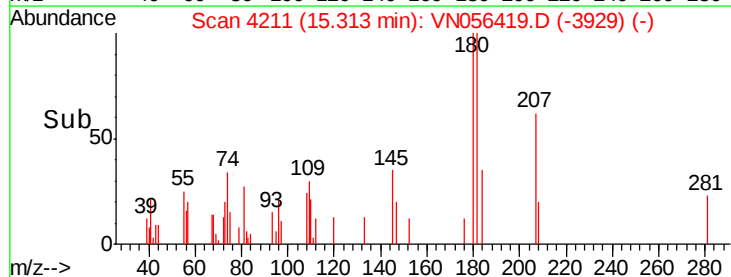
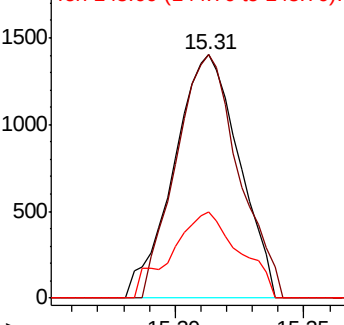
145 32.9 22.1 33.1

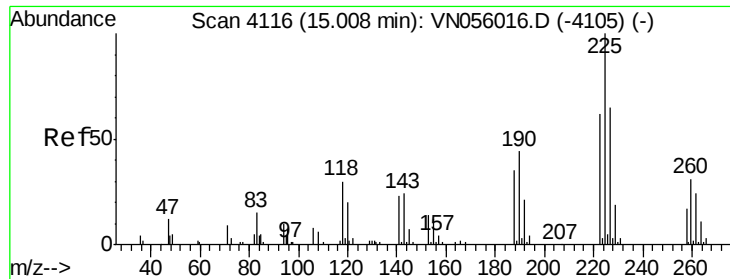


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#90

Hexachlorobutadiene

Concen: 0.255 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

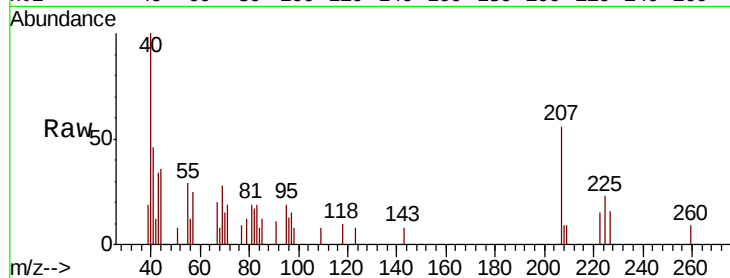
Tot Ion:225 Resp: 625

Ion Ratio Lower Upper

225 100

223 31.7 0.0 125.6

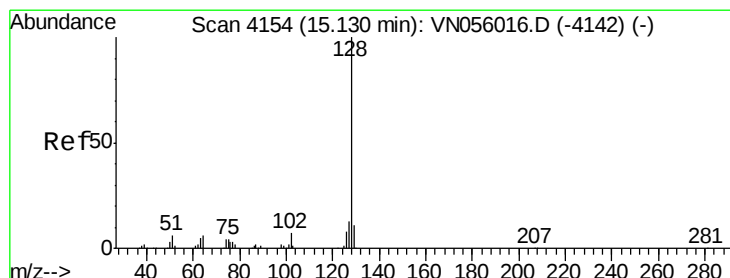
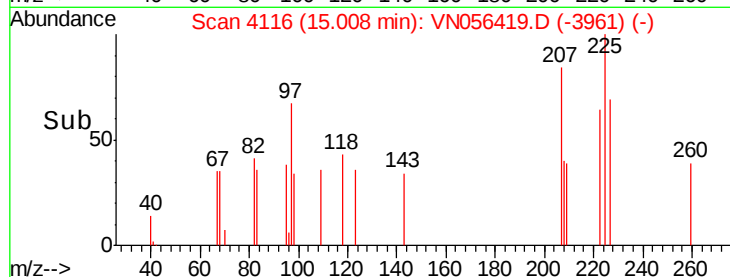
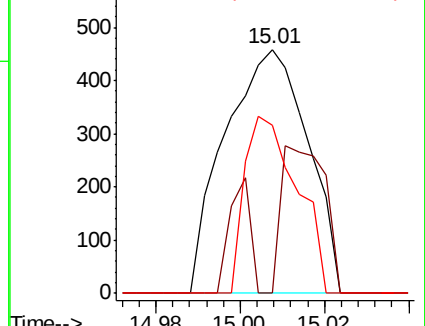
227 46.1 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 1.846 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056419.D

Acq: 21 Jun 2019 12:32

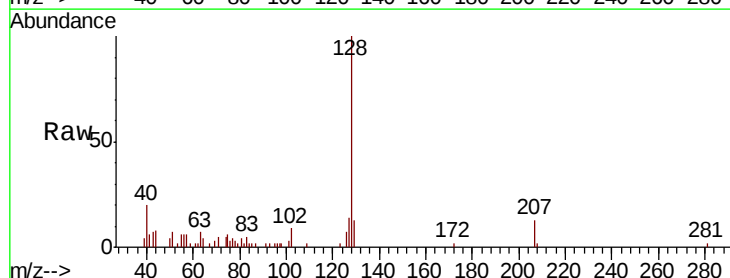
Tgt Ion:128 Resp: 16438

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

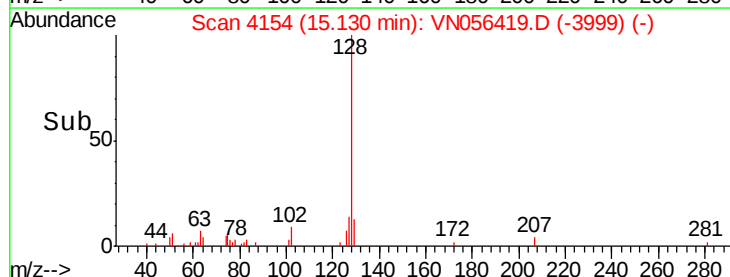
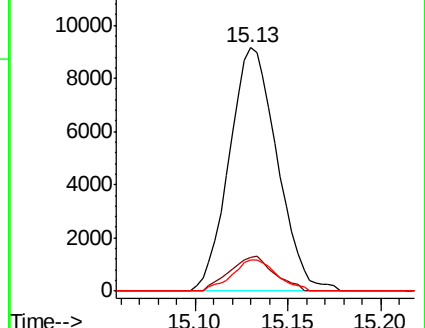
129 12.0 8.7 13.1

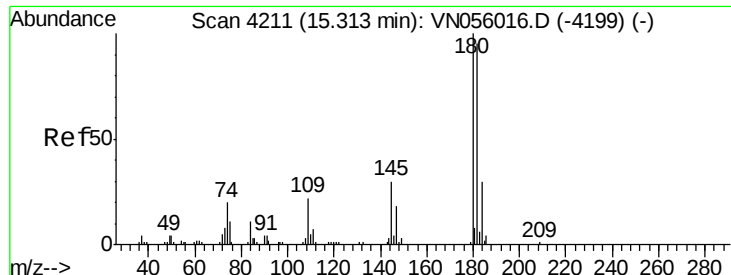


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

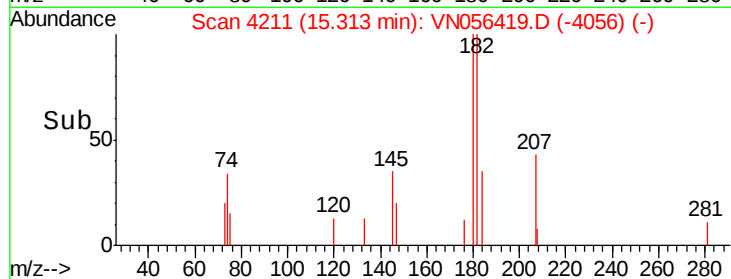
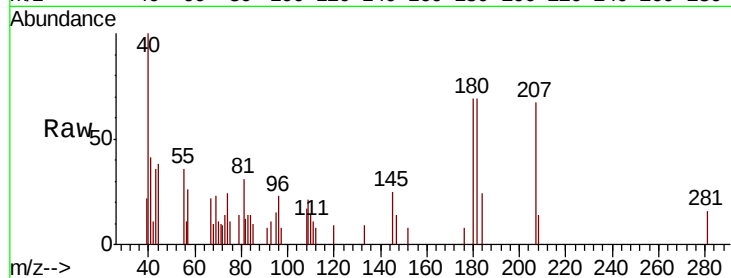




#92
 1,2,3-Trichlorobenzene
 Concen: 0.703 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN056419.D
 Acq: 21 Jun 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	193.4
145	32.9	0.0	59.8



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

