

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058213.D
 Acq On : 19 Sep 2019 18:54
 Operator : JC/SP
 Sample : K4949-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

Quant Time: Sep 20 04:23:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	546554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	872116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	328807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	368901	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.57	113	251064	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	10.08	98	1025290	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.41	95	343487	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

						Qvalue
3) Chloromethane	2.03	50	583	Below Cal		96
4) Vinyl Chloride	2.17	62	1939	Below Cal	#	77
5) Bromomethane	2.54	94	157	0.800	ug/l #	4
6) Chloroethane	2.69	64	568	Below Cal	#	44
8) Diethyl Ether	3.39	74	17038	6.068	ug/l	87
11) Tert butyl alcohol	4.75	59	3513739	3880.368	ug/l	99
14) Allyl chloride	4.24	41	59011	8.162	ug/l #	38
15) Acrylonitrile	4.75	53	39917	16.546	ug/l #	14
16) Acetone	3.80	43	66207	25.622	ug/l	96
17) Carbon Disulfide	4.03	76	12975	3.005	ug/l #	95
18) Methyl Acetate	4.32	43	2149	0.316	ug/l #	53
19) Methyl tert-butyl Ether	5.01	73	37145	2.229	ug/l	99
20) Methylene Chloride	4.54	84	29	Below Cal	#	3
21) trans-1,2-Dichloroethene	5.02	96	32	Below Cal	#	1
25) 2-Butanone	6.80	43	186662	53.024	ug/l #	75
26) 2,2-Dichloropropane	6.80	77	216303	26.011	ug/l #	55
27) cis-1,2-Dichloroethene	6.81	96	1408	0.254	ug/l #	1
28) Bromochloromethane	7.19	49	3552	0.766	ug/l #	16
29) Tetrahydrofuran	7.19	42	1631841	752.544	ug/l	99
31) Cyclohexane	7.65	56	13824	Below Cal	#	20
36) 1,1-Dichloropropene	7.65	75	46445	7.385	ug/l #	51
37) Ethyl Acetate	6.80	43	186662	28.599	ug/l #	1
38) Carbon Tetrachloride	7.65	117	55394	8.762	ug/l #	14
40) Benzene	8.03	78	62440	3.250	ug/l	98
41) Methacrylonitrile	7.19	41	955879	286.326	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	4564	0.566	ug/l	82
43) Isopropyl Acetate	8.12	43	14594	1.197	ug/l #	67
49) 1,4-Dioxane	9.19	88	7995	87.985	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	46491	7.181	ug/l #	77
52) Toluene	10.15	92	39907	3.315	ug/l	98
55) 1,1,2-Trichloroethane	10.45	97	2559	0.479	ug/l #	24
59) 2-Hexanone	10.61	43	23969	4.985	ug/l	73
65) Chlorobenzene	11.43	112	9014	0.677	ug/l	90
67) Ethyl Benzene	11.51	91	18737	0.821	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

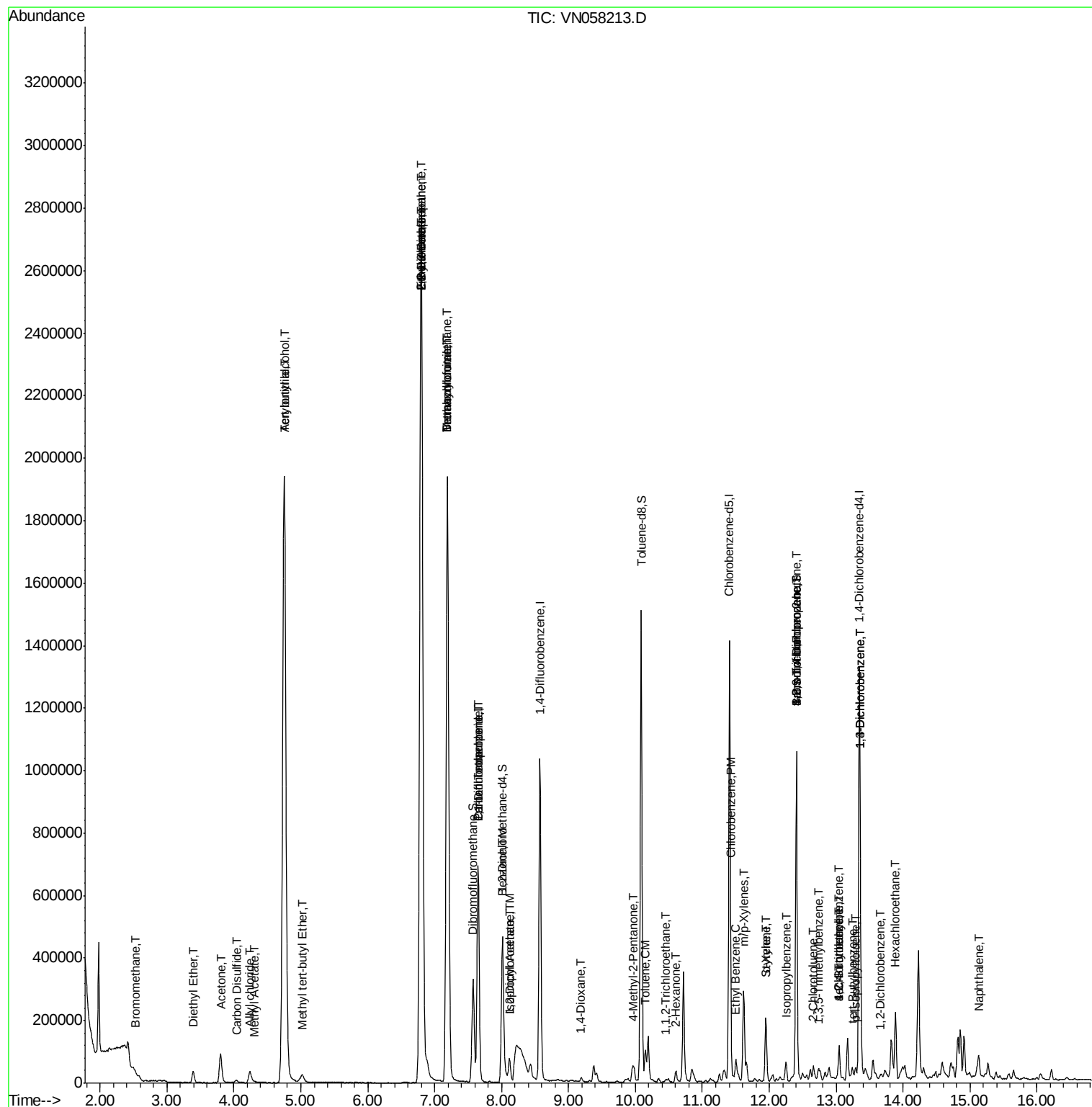
68) m/p-Xylenes	11.62	106	87585	10.191	uq/l	97
69) o-Xylene	11.95	106	48339	5.720	uq/l	96
70) Styrene	11.96	104	6085	0.418	uq/l #	1
71) Bromoform	12.41	173	2387	4.214	uq/l #	1
73) Isopropylbenzene	12.25	105	26228	1.274	uq/l	95
76) 1,2,3-Trichloropropane	12.41	75	187353	31.838	uq/l #	100
79) 2-Chlorotoluene	12.66	91	6873	0.470	uq/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	15768	0.906	uq/l	98
81) trans-1,4-Dichloro-2-buten	12.41	75	187353	89.584	uq/l #	6
82) 4-Chlorotoluene	13.05	91	7011	0.456	uq/l	95
83) tert-Butylbenzene	13.24	119	5343	0.344	uq/l	74
84) 1,2,4-Trimethylbenzene	13.04	105	55275	3.191	uq/l	96
85) sec-Butylbenzene	13.04	105	55275	2.724	uq/l #	58
86) p-Isopropyltoluene	13.29	119	14163	0.785	uq/l	98
87) 1,3-Dichlorobenzene	13.37	146	34984	3.700	uq/l	89
88) 1,4-Dichlorobenzene	13.37	146	34984	3.624	uq/l	88
90) Hexachloroethane	13.89	117	821	3.067	uq/l #	12
91) 1,2-Dichlorobenzene	13.66	146	2312	0.244	uq/l #	84
95) Naphthalene	15.13	128	54015	3.439	uq/l	99

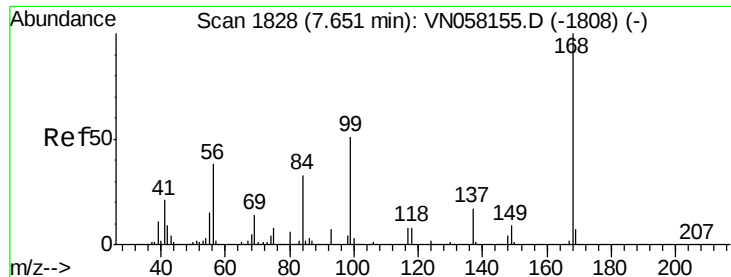
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

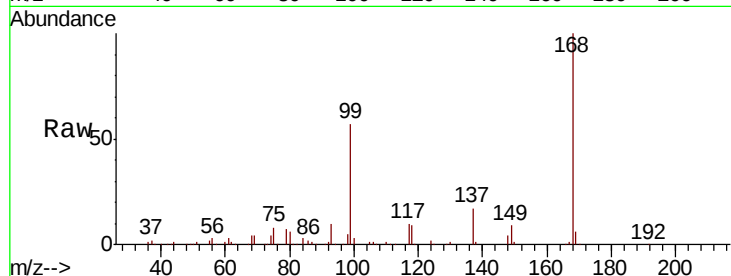
390918737.1-VOA

Tot Ion:168 Resp: 546554

Ion Ratio Lower Upper

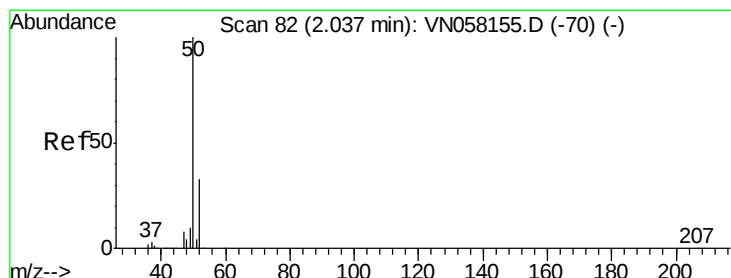
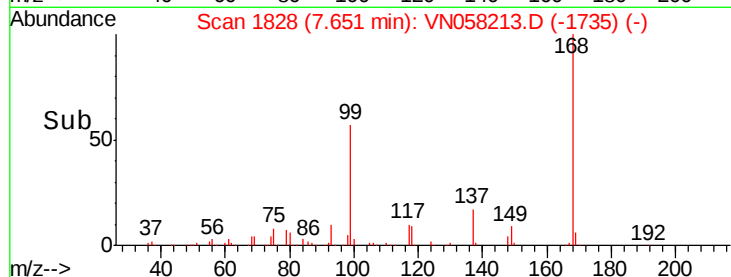
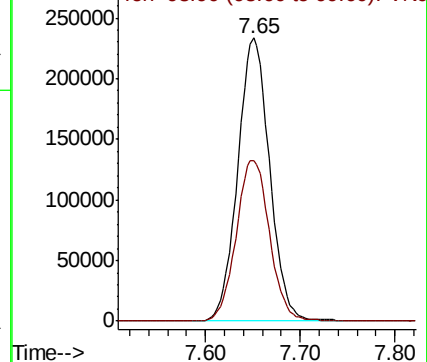
168 100

99 56.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN058213.D

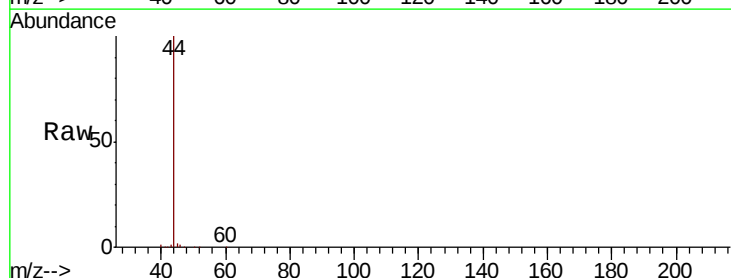
Acq: 19 Sep 2019 18:54

Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

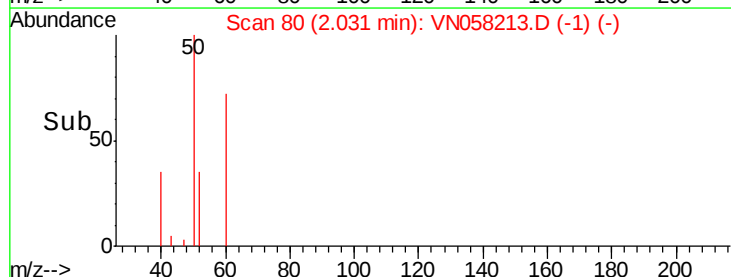
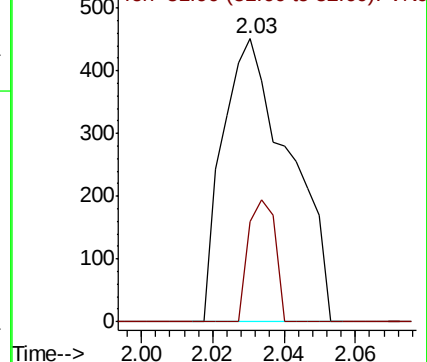
50 100

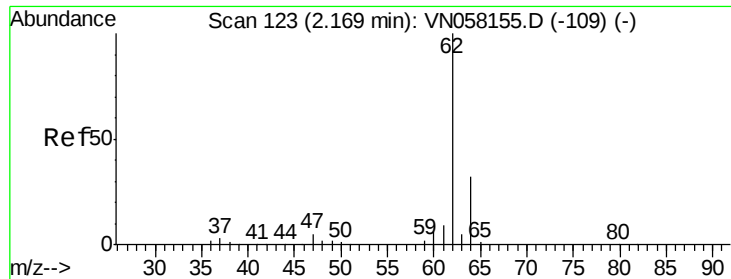
52 35.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

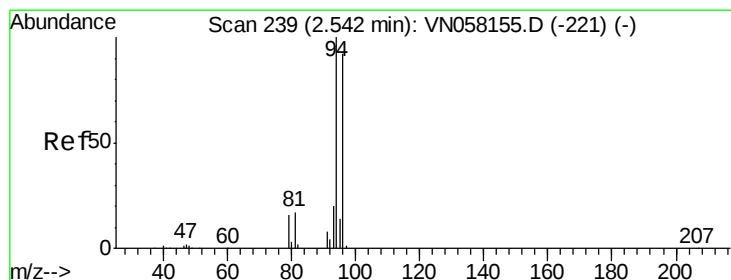
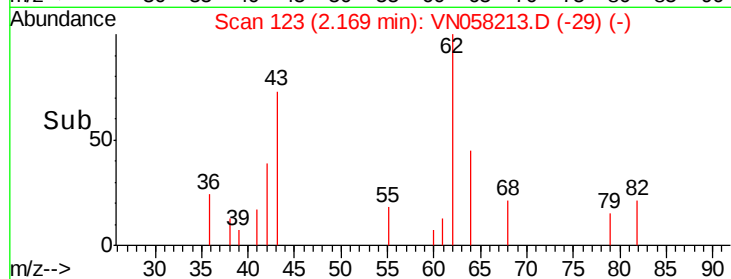
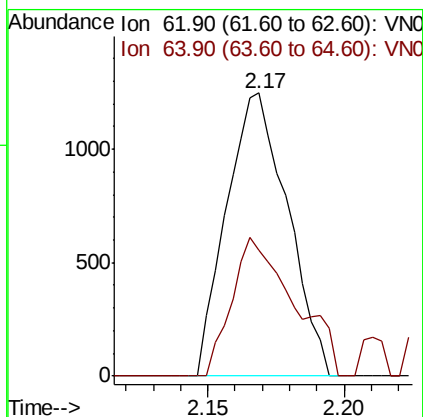
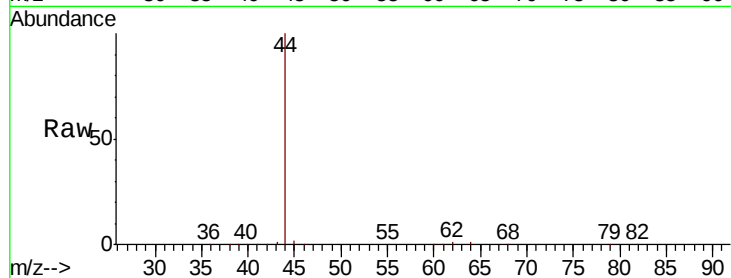
390918737.1-VOA

Tot Ion: 62 Resp: 1939

Ion Ratio Lower Upper

62 100

64 44.7 25.4 38.2#



#5

Bromomethane

Concen: 0.800 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058213.D

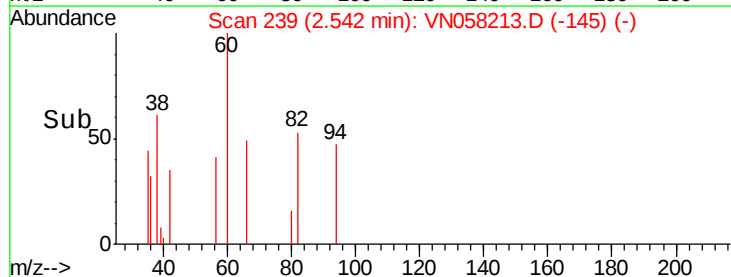
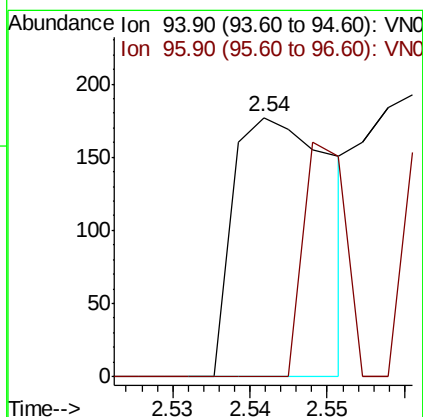
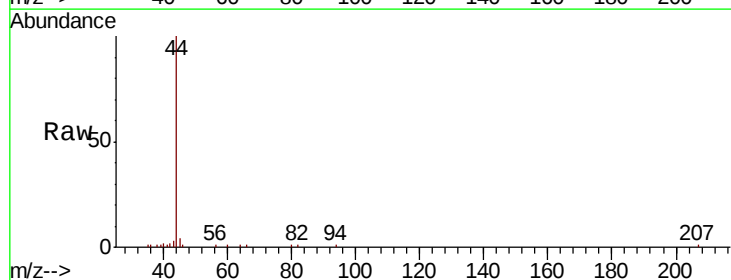
Acq: 19 Sep 2019 18:54

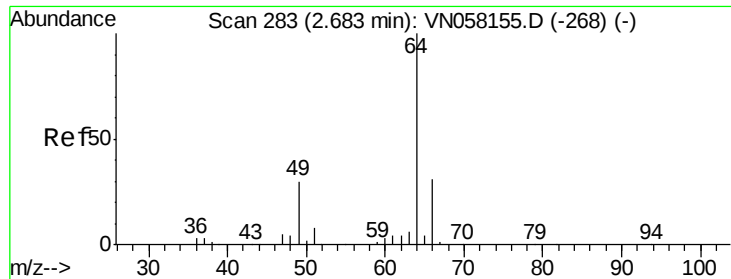
Tgt Ion: 94 Resp: 157

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

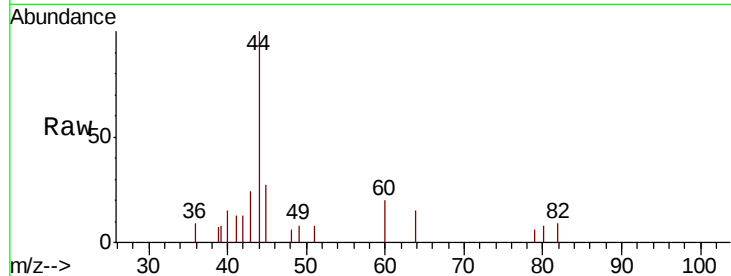
390918737.1-VOA

Tot Ion: 64 Resp: 568

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.69

400

300

200

100

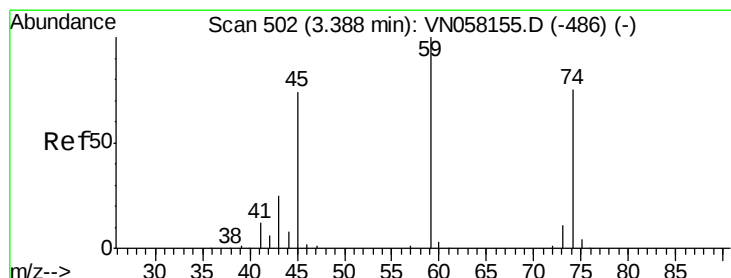
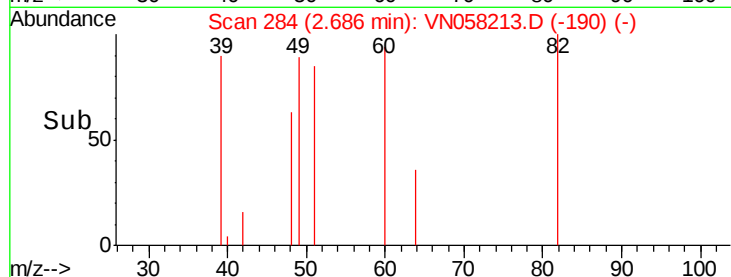
0

2.68

2.70

2.72

Time-->



#8

Diethyl Ether

Concen: 6.068 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN058213.D

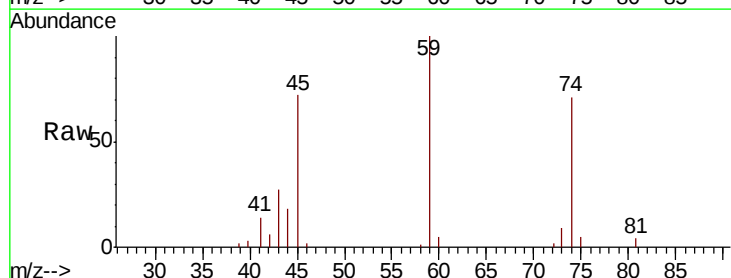
Acq: 19 Sep 2019 18:54

Tgt Ion: 74 Resp: 17038

Ion Ratio Lower Upper

74 100

45 110.1 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

8000

6000

4000

2000

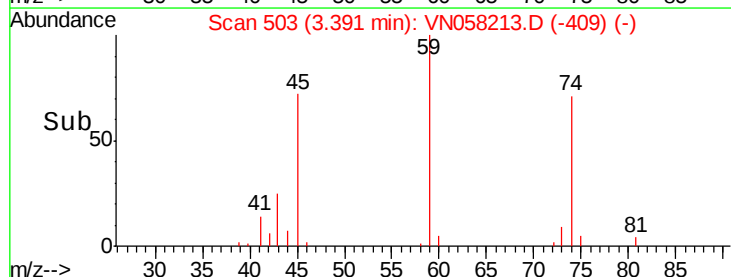
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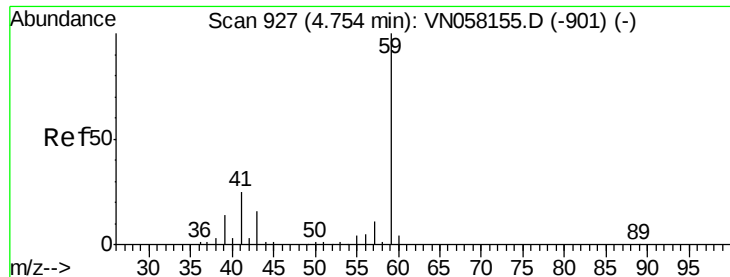
3.35

3.40

3.45

Time-->





#11

Tert butyl alcohol
 Concen: 3880.368 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

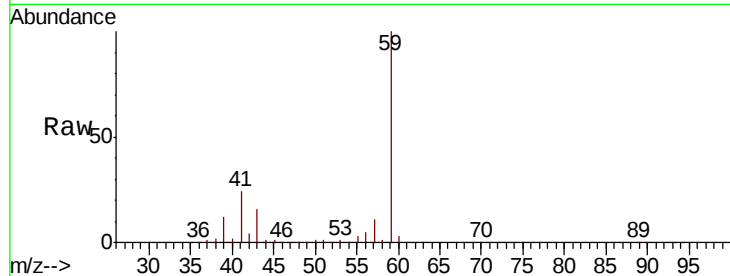
Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

Tot Ion: 59 Resp: 3513739

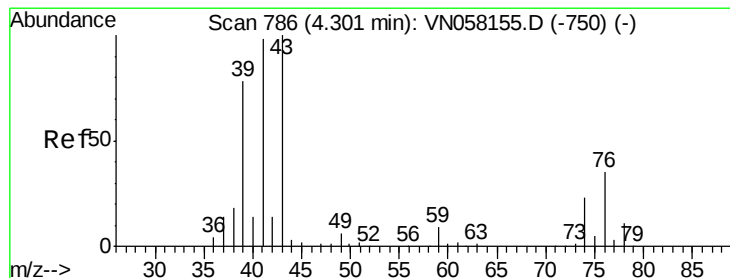
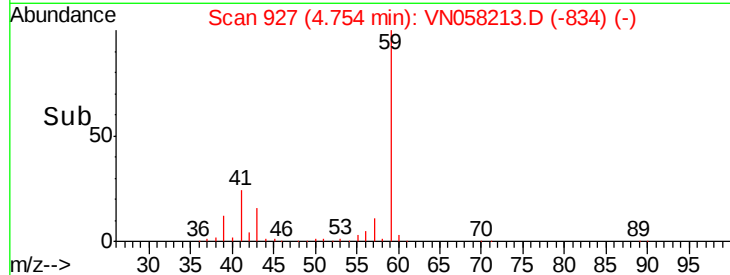
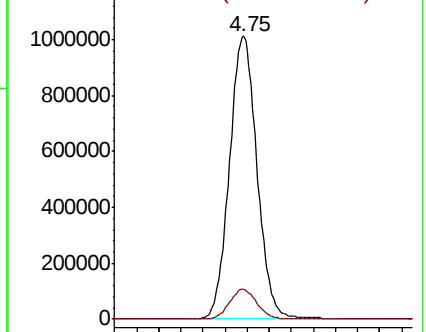
Ion Ratio Lower Upper

59 100

57 10.5 8.6 13.0



Abundance Ion 59.00 (58.70 to 59.70): VNO
 Ion 57.00 (56.70 to 57.70): VNO



#14

Allyl chloride
 Concen: 8.162 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. -0.06 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

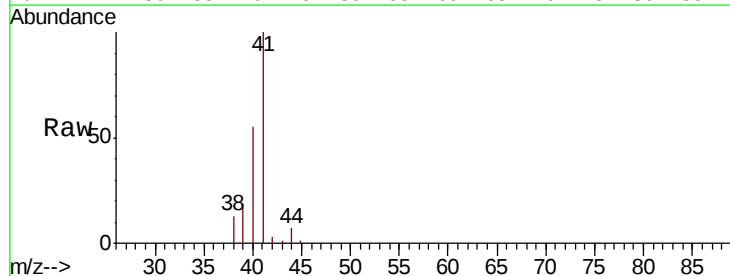
Tgt Ion: 41 Resp: 59011

Ion Ratio Lower Upper

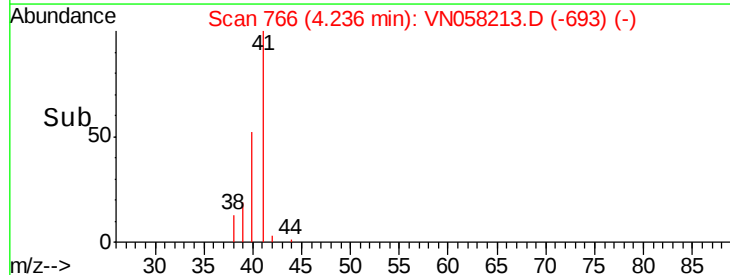
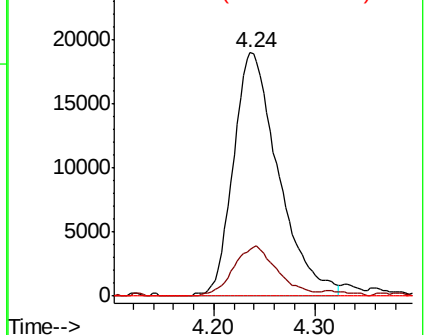
41 100

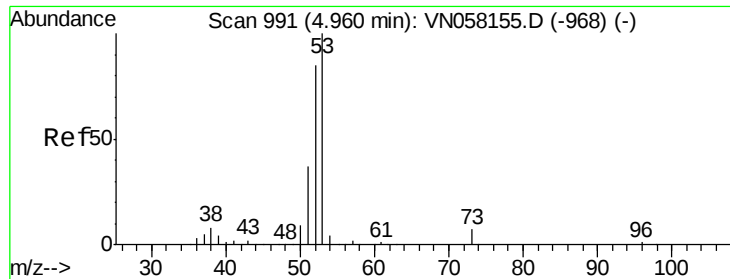
39 20.1 59.1 88.7#

76 0.0 25.1 37.7#



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





#15

Acrylonitrile

Concen: 16.546 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.21 min

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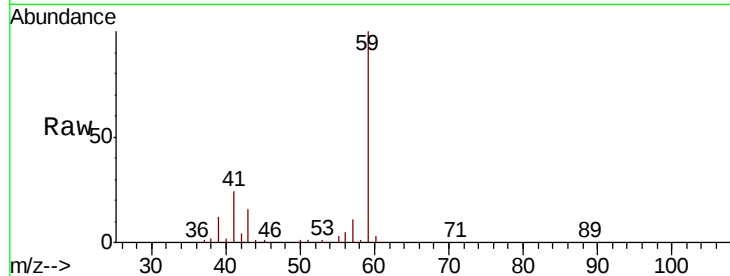
Tot Ion: 53 Resp: 39917

Ion Ratio Lower Upper

53 100

52 14.4 66.6 100.0#

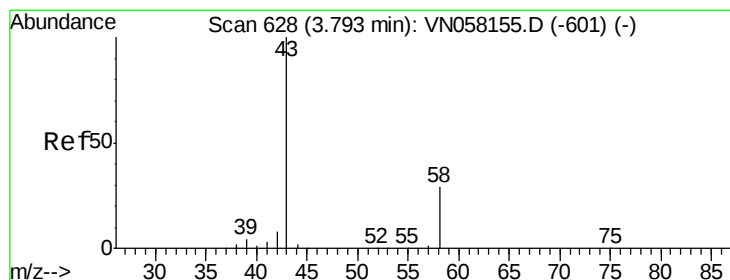
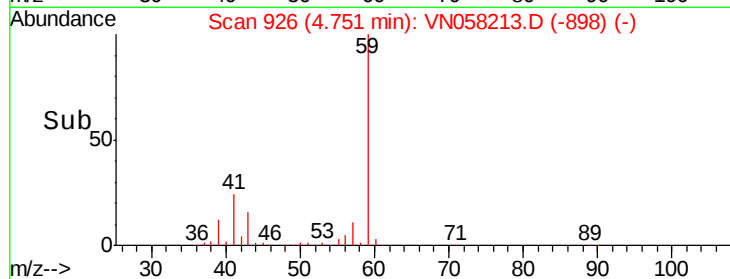
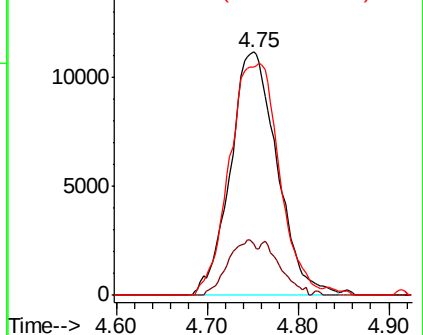
51 101.2 29.7 44.5#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 25.622 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058213.D

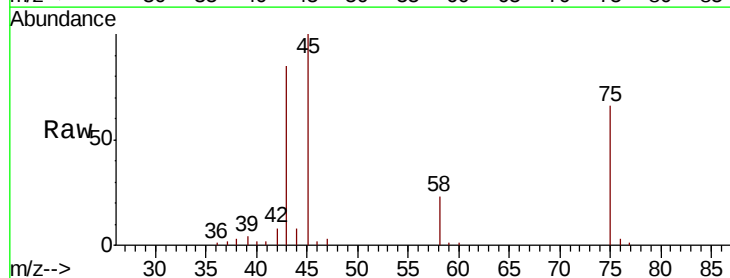
Acq: 19 Sep 2019 18:54

Tgt Ion: 43 Resp: 66207

Ion Ratio Lower Upper

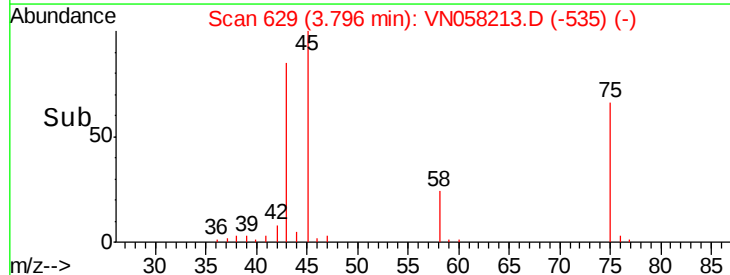
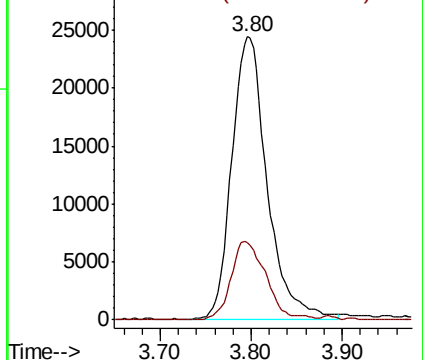
43 100

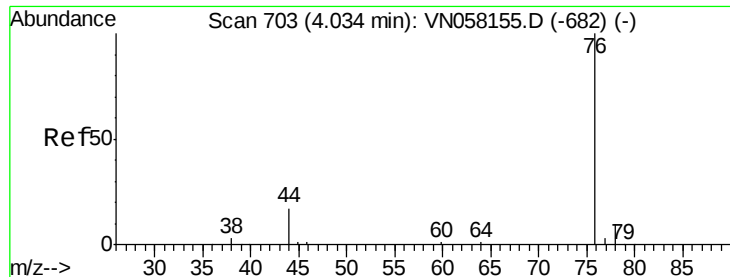
58 27.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

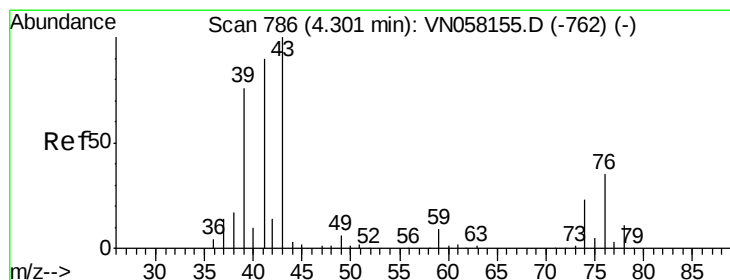
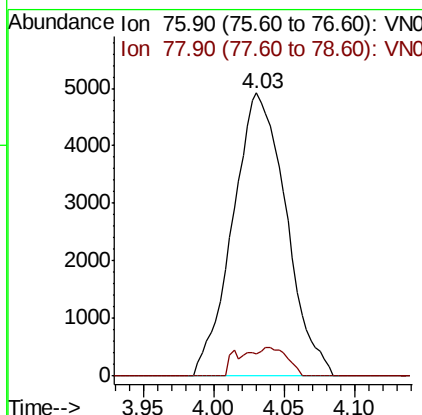
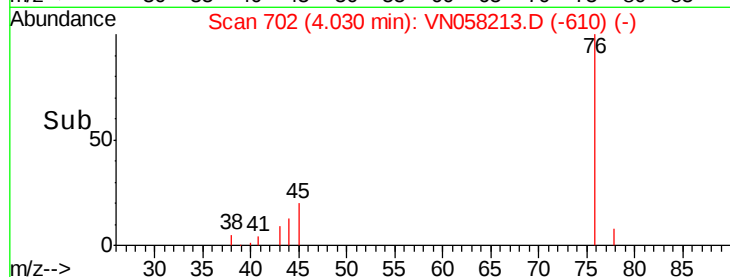
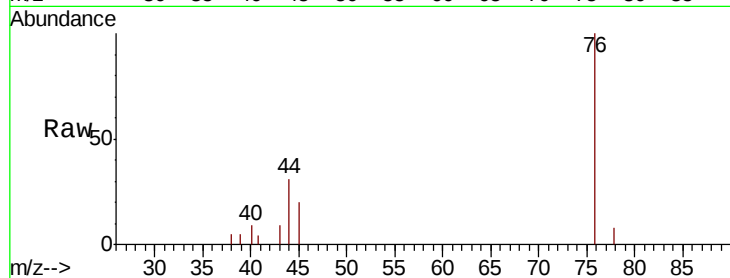




#17
Carbon Disulfide
Concen: 3.005 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

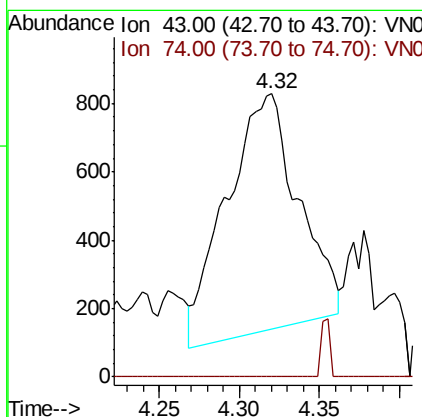
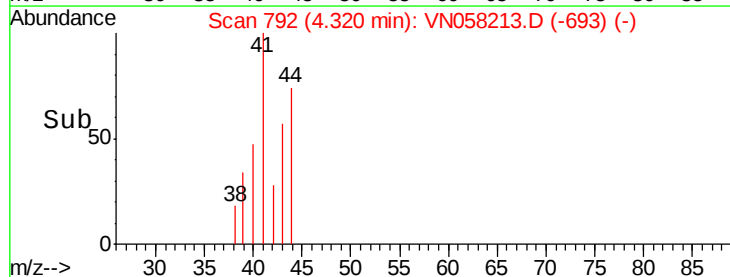
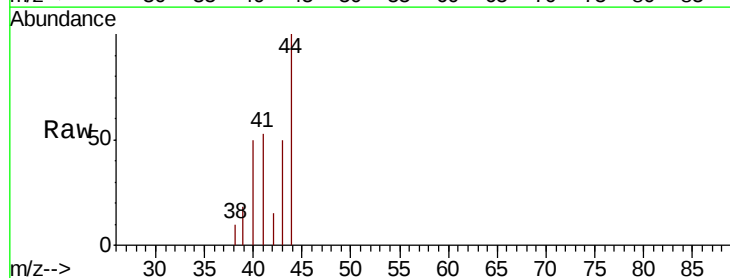
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

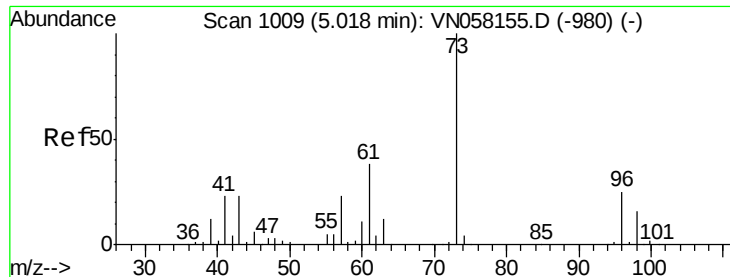
Tot Ion: 76 Resp: 12975
Ion Ratio Lower Upper
76 100
78 7.7 7.7 11.5#



#18
Methyl Acetate
Concen: 0.316 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

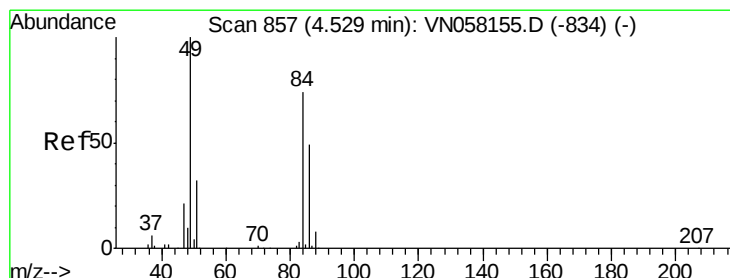
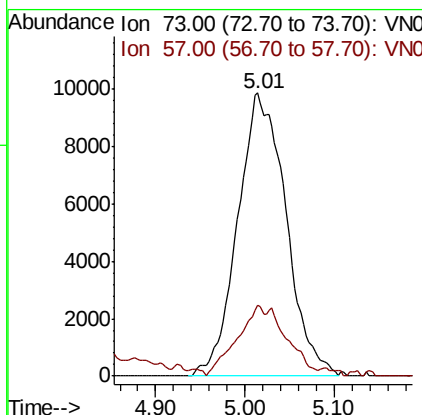
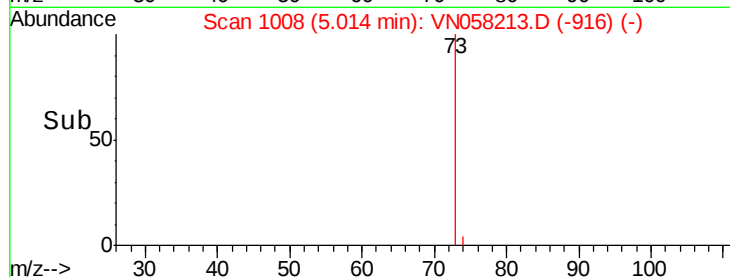
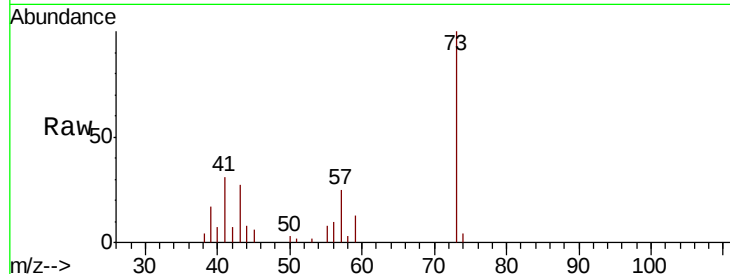




#19
Methvl tert-butvl Ether
Concen: 2.229 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

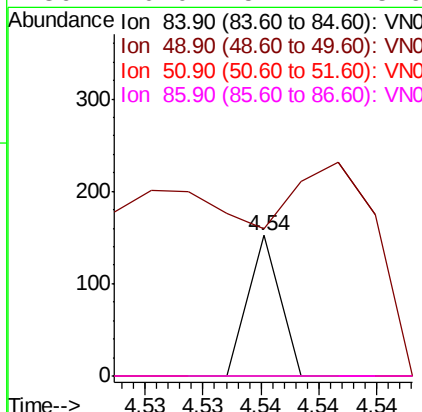
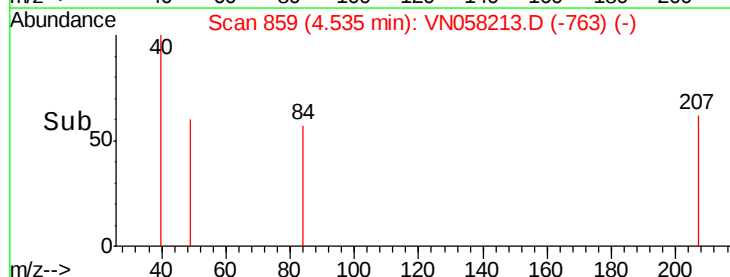
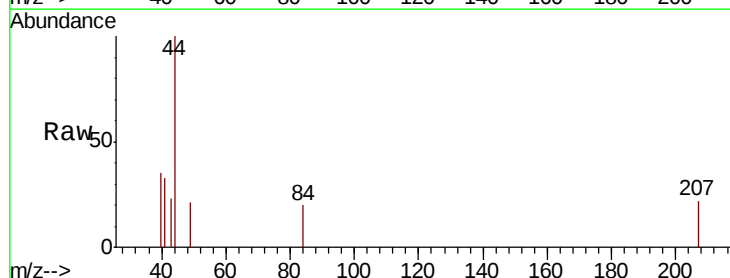
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

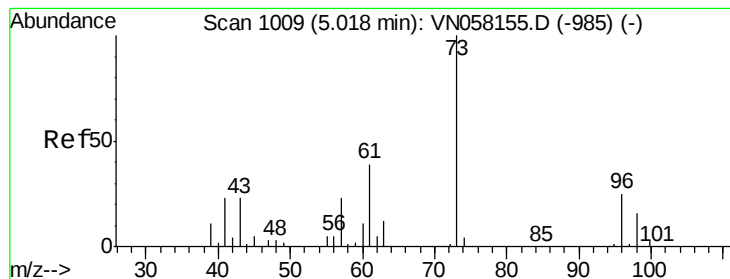
Tot Ion: 73 Resp: 37145
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 84 Resp: 29
Ion Ratio Lower Upper
84 100
49 0.0 107.5 161.3#
51 0.0 33.9 50.9#
86 0.0 52.4 78.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.02 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

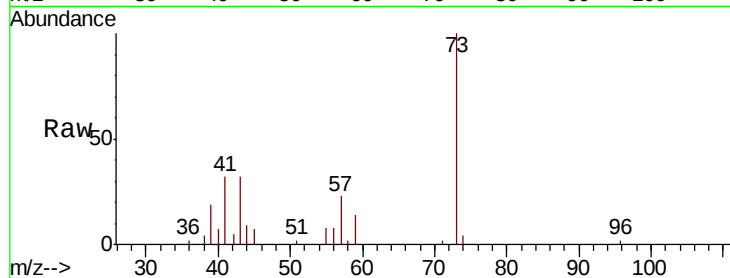
Tot Ion: 96 Resp: 32

Ion Ratio Lower Upper

96 100

61 0.0 122.2 183.4#

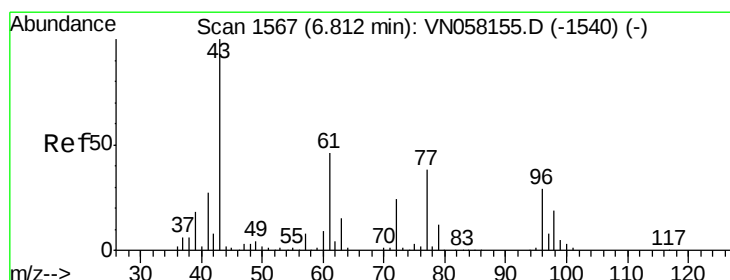
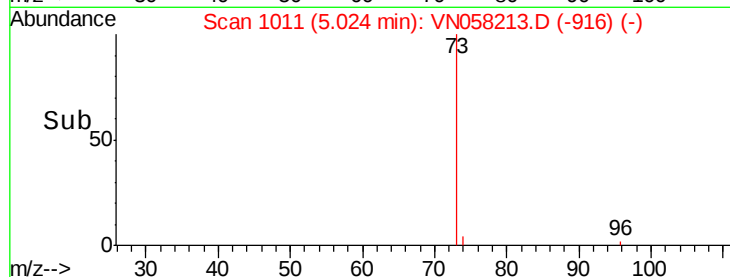
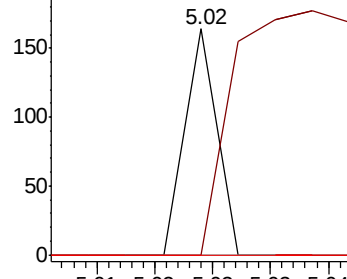
98 0.0 49.9 74.9#



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#25

2-Butanone

Concen: 53.024 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058213.D

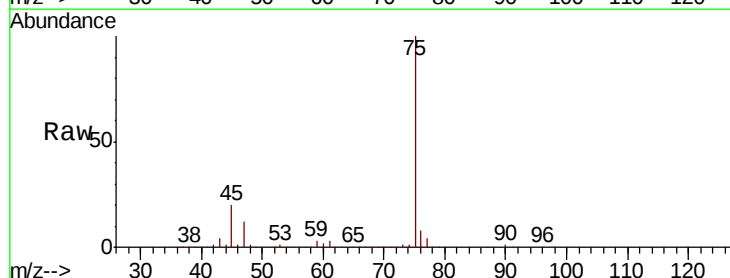
Acq: 19 Sep 2019 18:54

Tgt Ion: 43 Resp: 186662

Ion Ratio Lower Upper

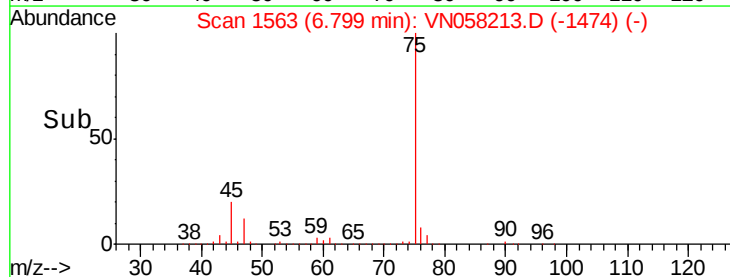
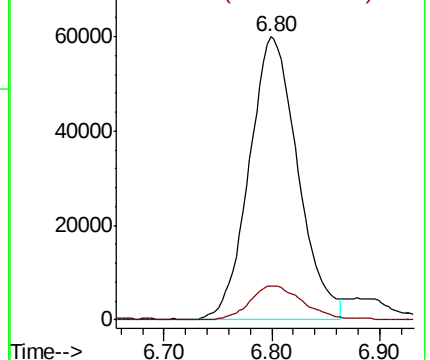
43 100

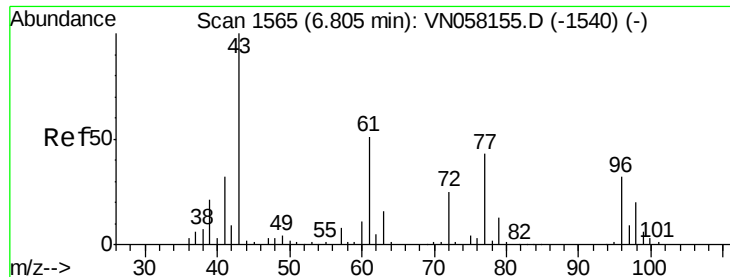
72 12.1 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC





#26

2,2-Dichloropropane

Concen: 26.011 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

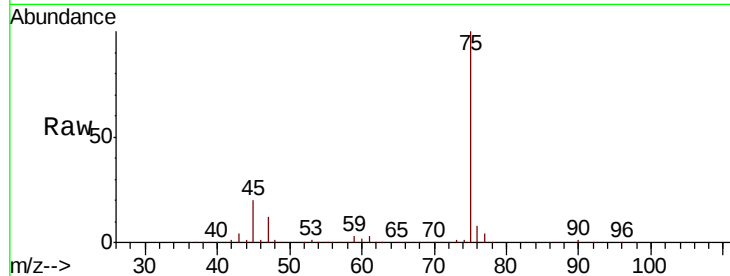
390918737.1-VOA

Tot Ion: 77 Resp: 216303

Ion Ratio Lower Upper

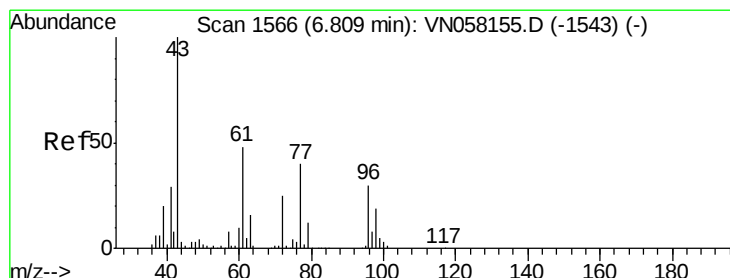
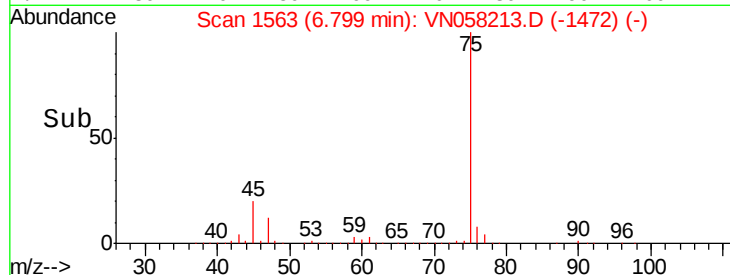
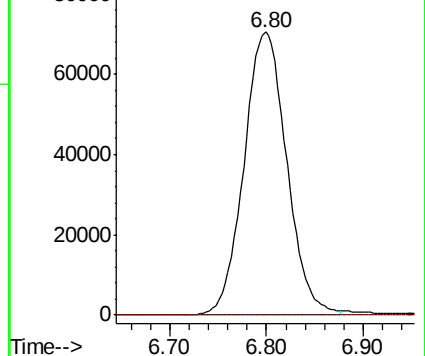
77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.254 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

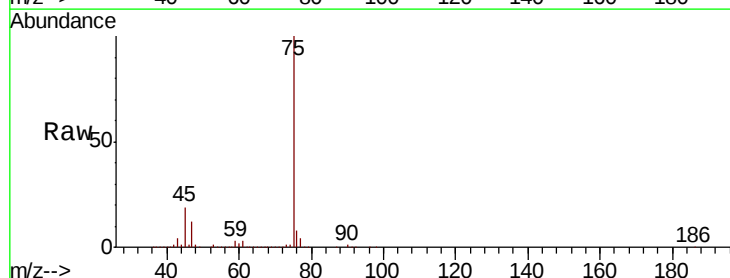
Tgt Ion: 96 Resp: 1408

Ion Ratio Lower Upper

96 100

61 10548.7 0.0 319.0#

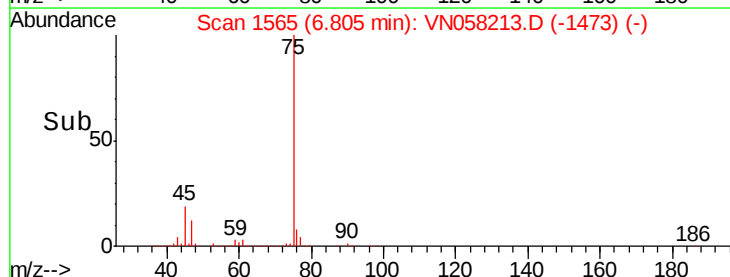
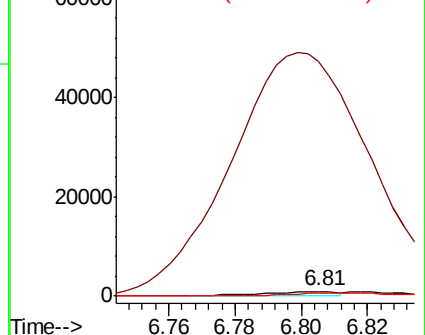
98 28.2 0.0 126.6

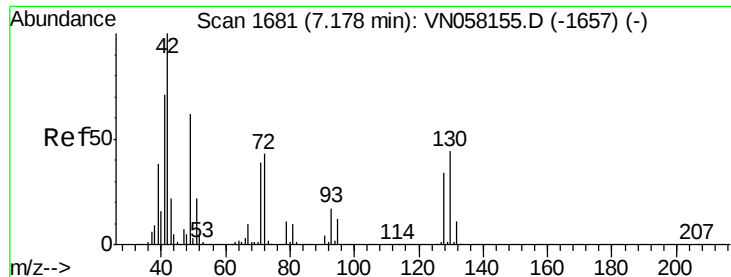


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

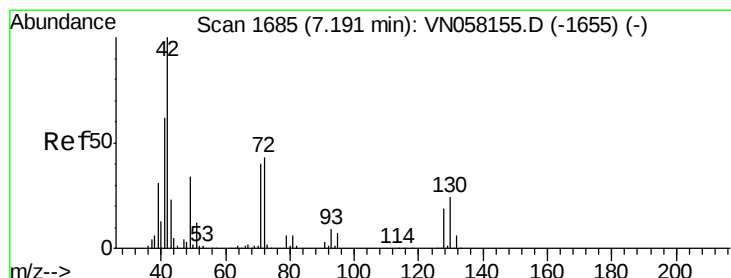
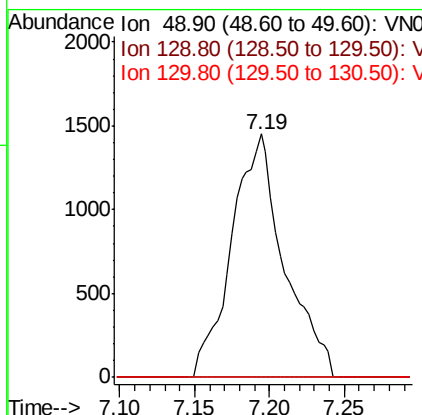
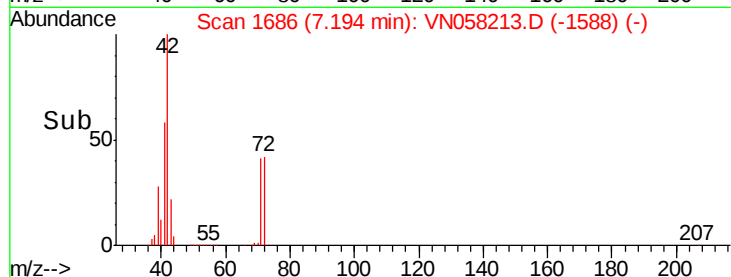
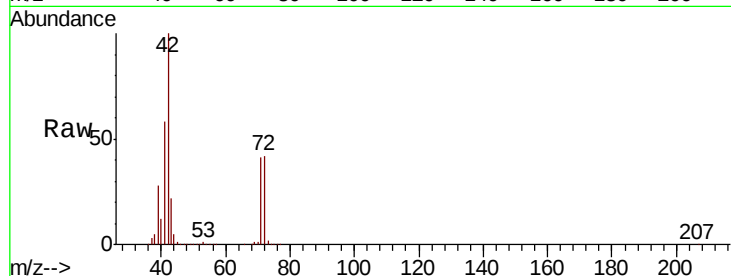




#28
Bromochloromethane
Concen: 0.766 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

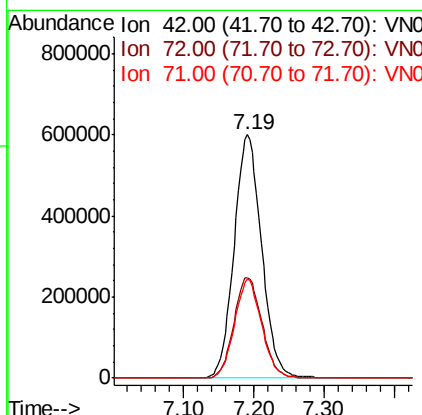
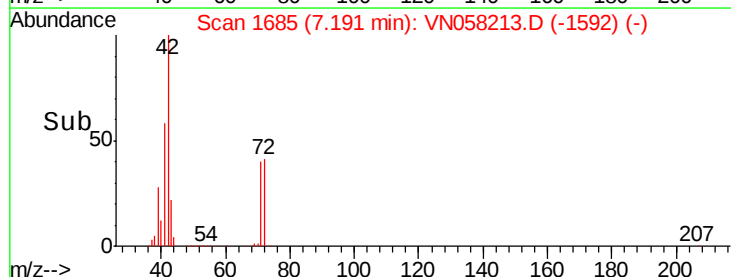
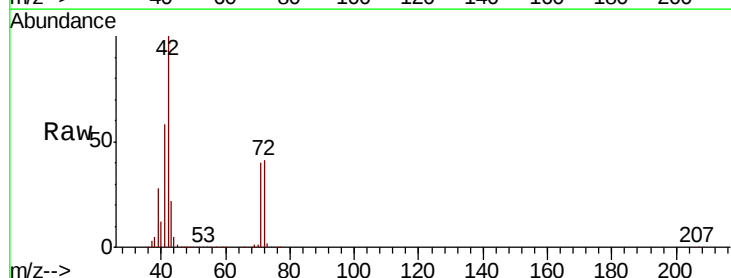
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

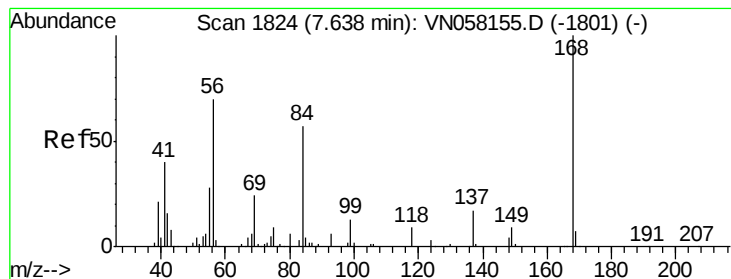
Tot Ion: 49 Resp: 3552
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 0.0 55.4 83.2#



#29
Tetrahydrofuran
Concen: 752.544 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 42 Resp: 1631841
Ion Ratio Lower Upper
42 100
72 42.3 33.8 50.6
71 40.1 31.4 47.0





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

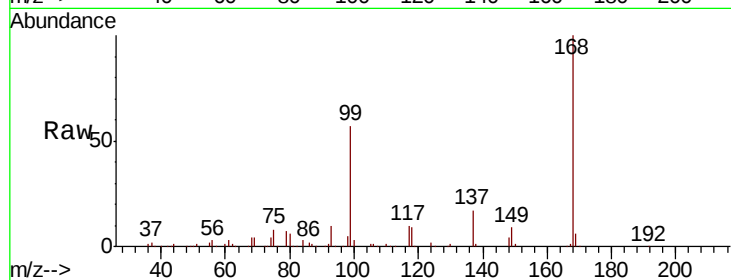
Tot Ion: 56 Resp: 13824

Ion Ratio Lower Upper

56 100

69 139.9 27.3 40.9#

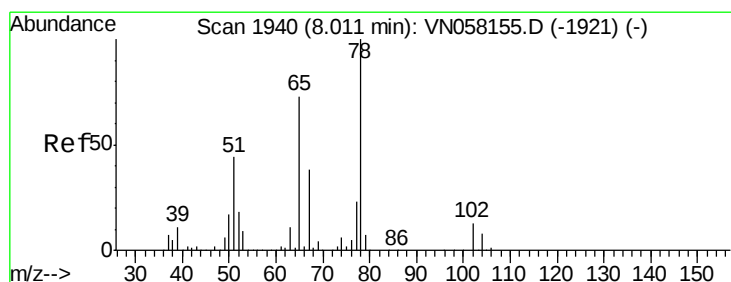
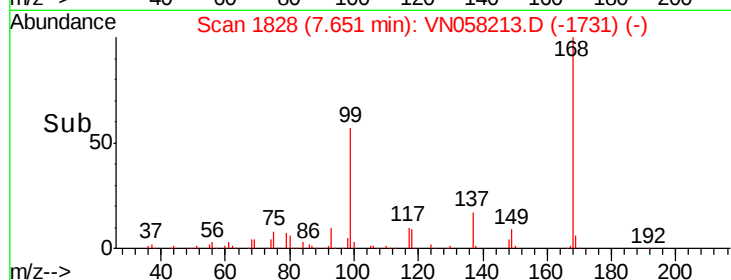
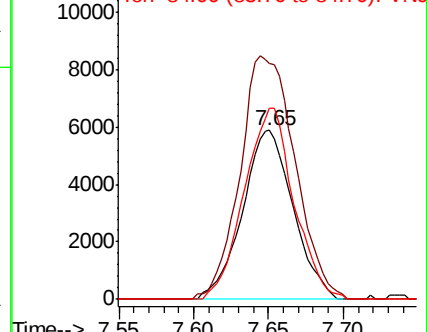
84 113.0 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.460 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058213.D

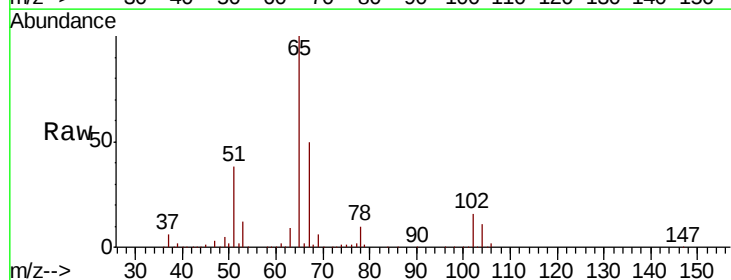
Acq: 19 Sep 2019 18:54

Tgt Ion: 65 Resp: 368901

Ion Ratio Lower Upper

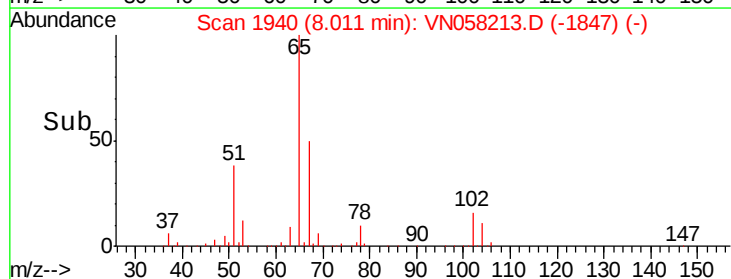
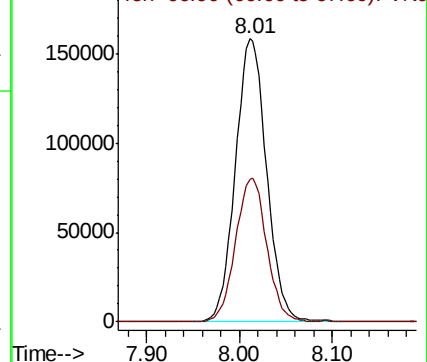
65 100

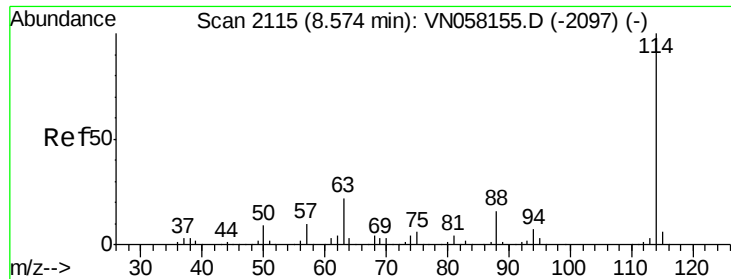
67 50.6 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

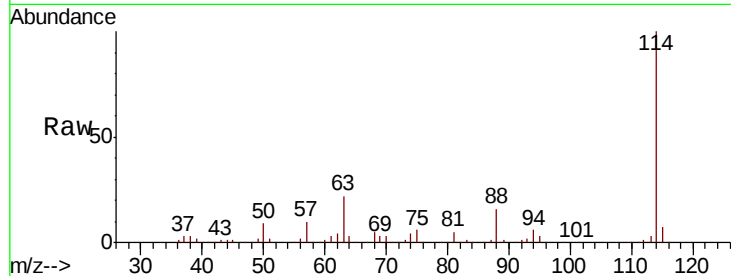




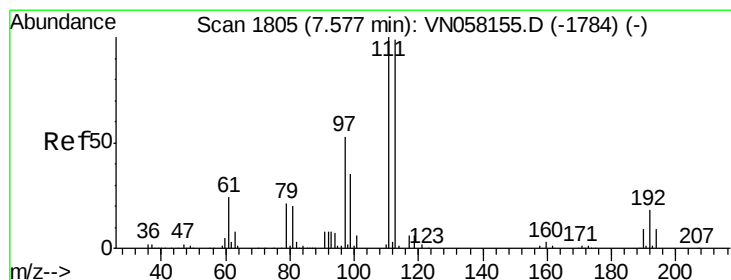
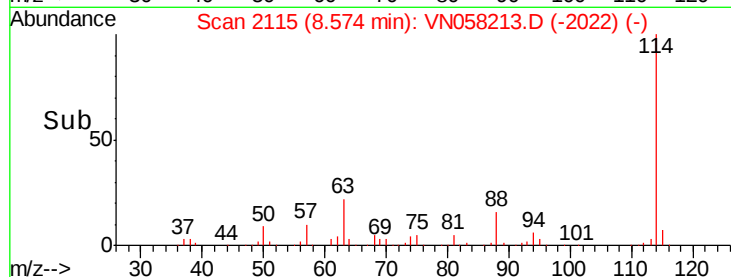
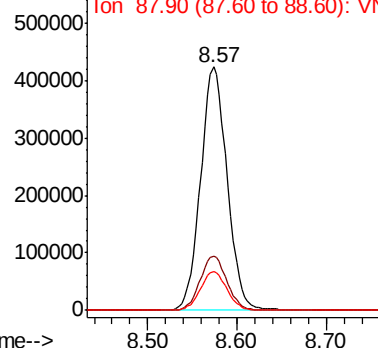
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

Tot Ion:114 Resp: 872116
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.2
88 15.8 0.0 31.6

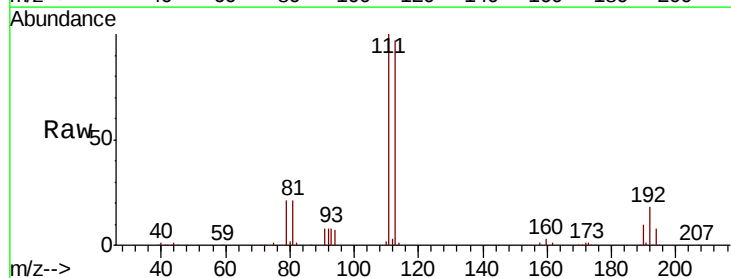


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

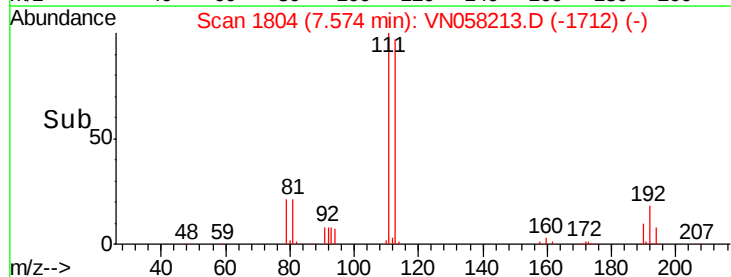
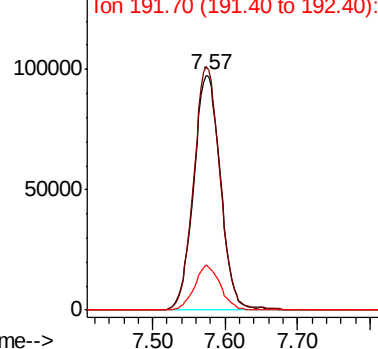


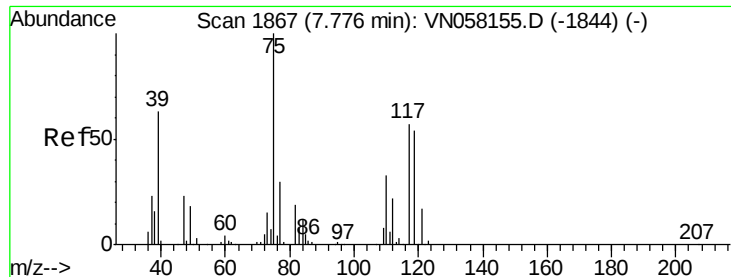
#35
Dibromofluoromethane
Concen: 47.355 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion:113 Resp: 251064
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.6
192 18.3 14.5 21.7



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

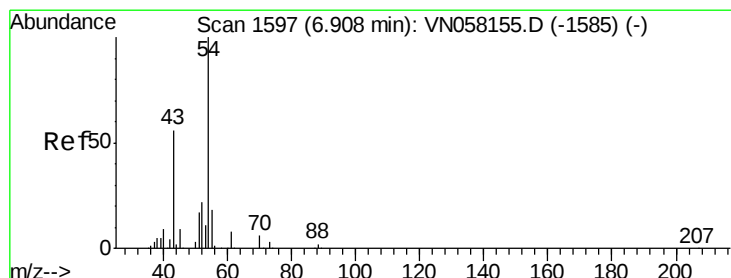
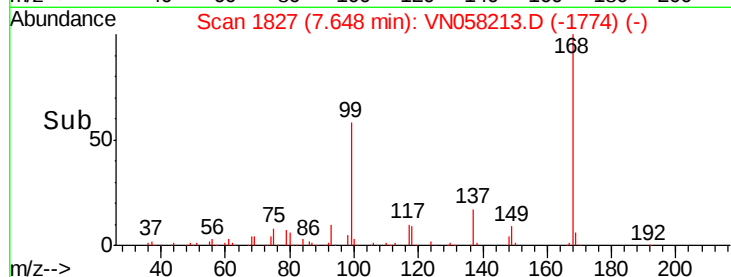
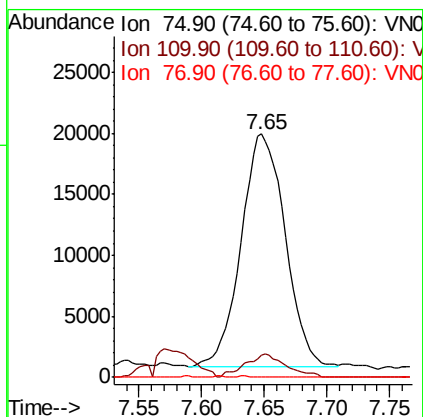
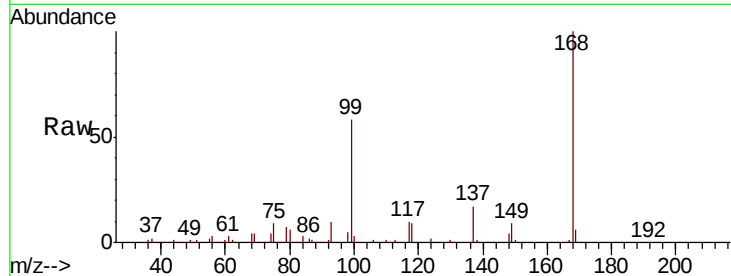




#36
 1,1-Dichloropropene
 Concen: 7.385 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

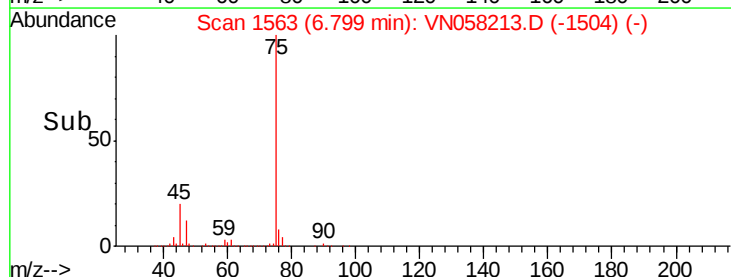
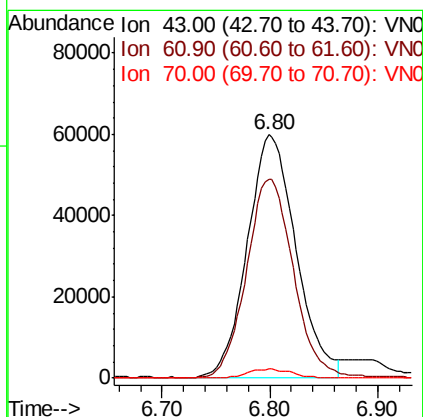
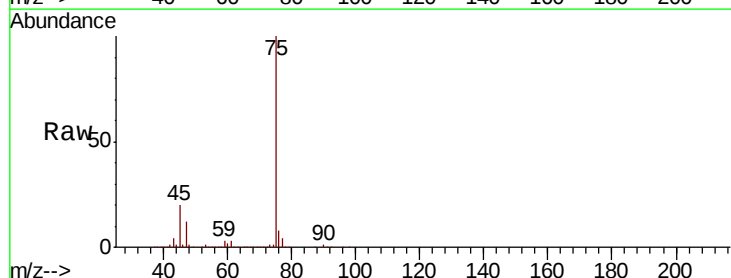
Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

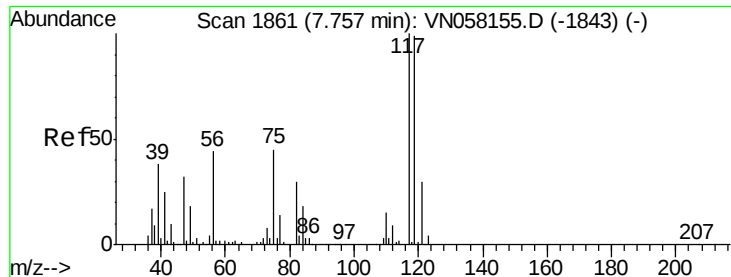
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.6	49.7#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 28.599 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.11 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	79.6	10.7	16.1#
70	3.4	7.6	11.4#

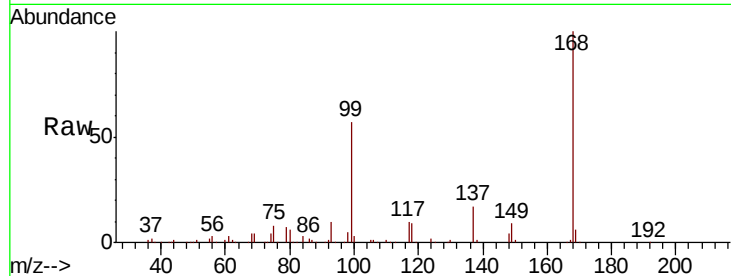




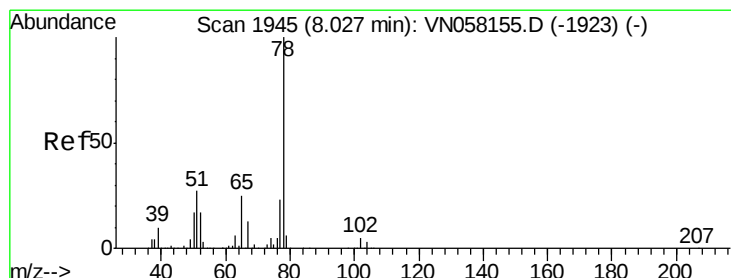
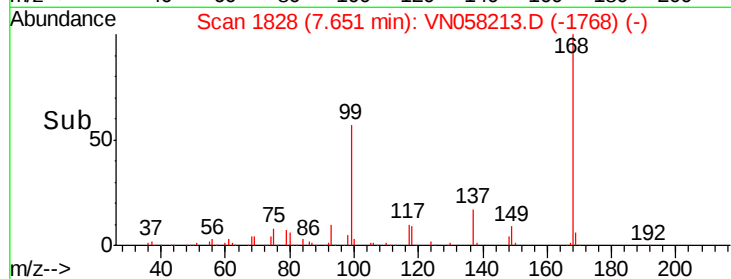
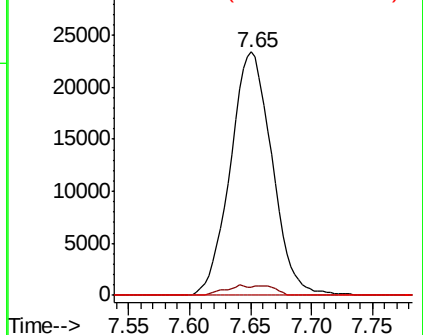
#38
Carbon Tetrachloride
Concen: 8.762 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

Tot Ion:117 Resp: 55394
Ion Ratio Lower Upper
117 100
119 3.6 78.6 117.8#
121 0.0 24.1 36.1#

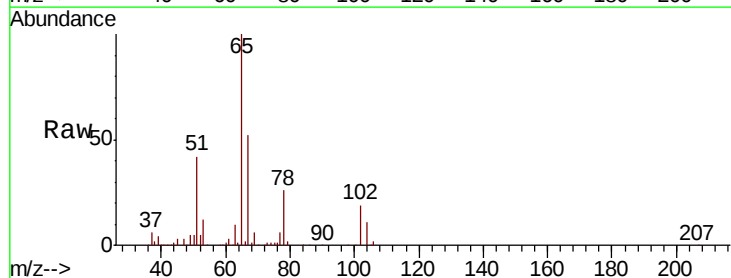


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

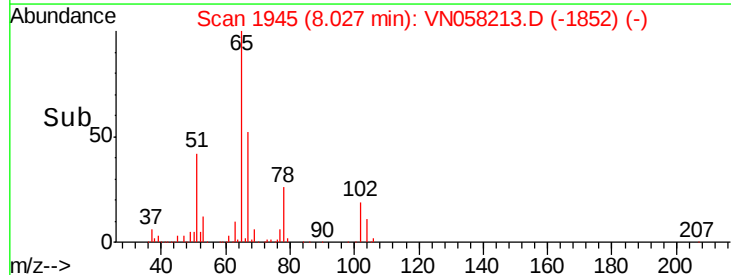
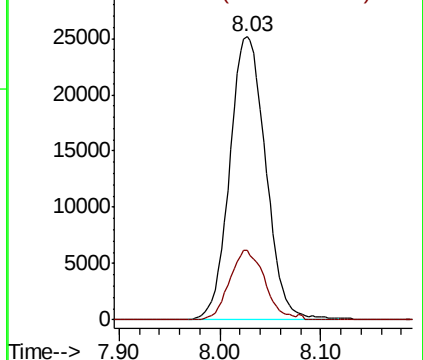


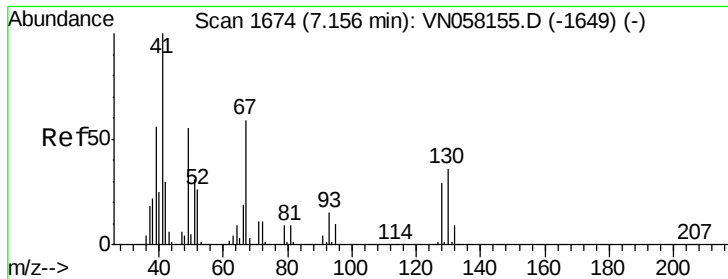
#40
Benzene
Concen: 3.250 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 78 Resp: 62440
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V

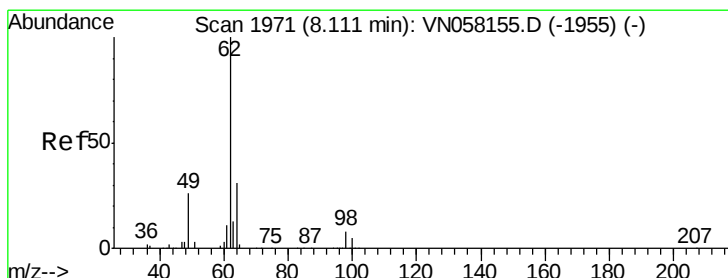
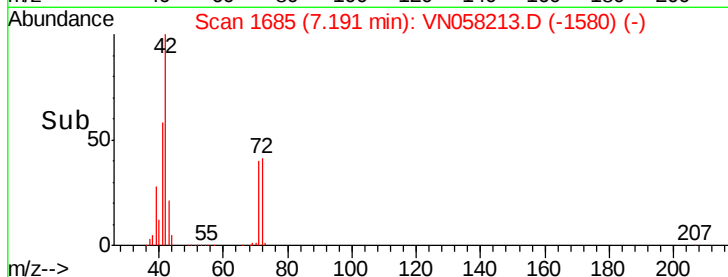
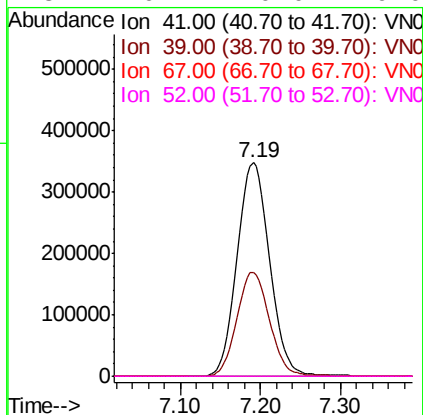
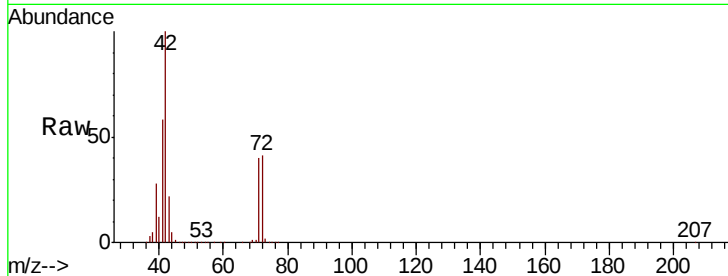




#41
Methacrylonitrile
Concen: 286.326 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

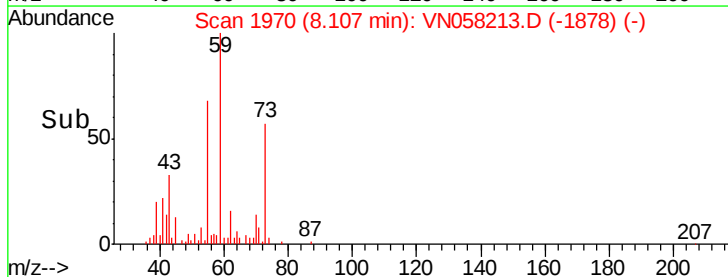
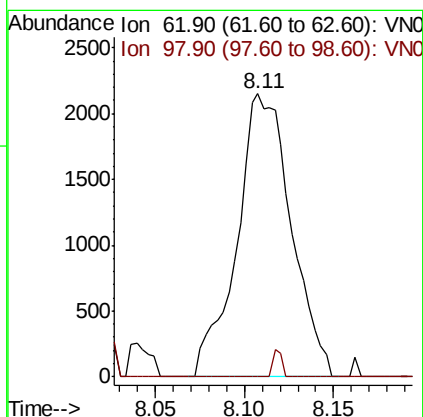
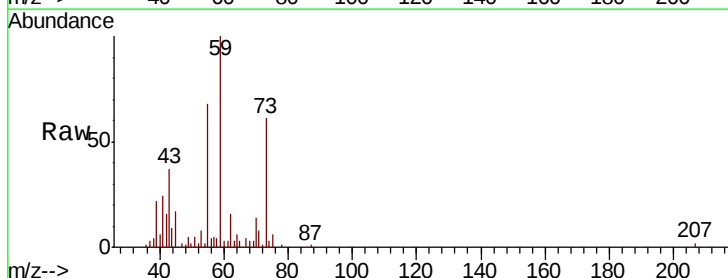
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

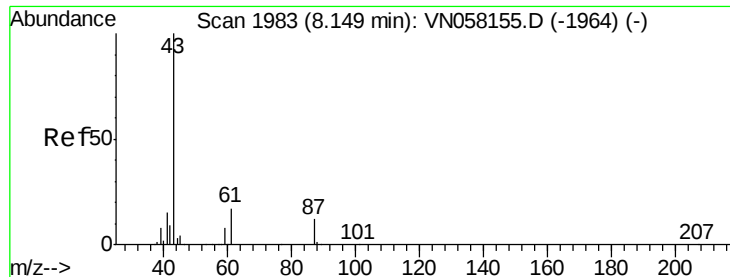
Tot Ion:	41	Resp:	955879
Ion	Ratio	Lower	Upper
41	100		
39	48.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 0.566 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion:	62	Resp:	4564
Ion	Ratio	Lower	Upper
62	100		
98	1.6	0.0	15.6





#43

Isopropyl Acetate

Concen: 1.197 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. -0.03 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

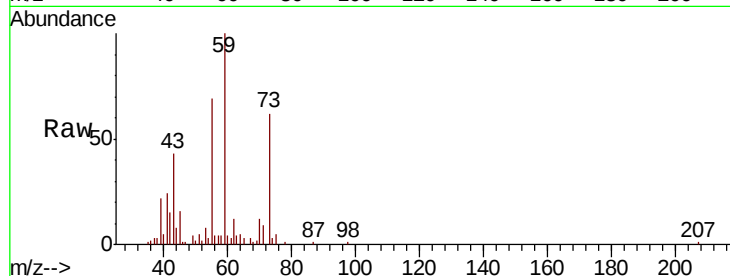
Tot Ion: 43 Resp: 14594

Ion Ratio Lower Upper

43 100

61 5.1 19.7 29.5#

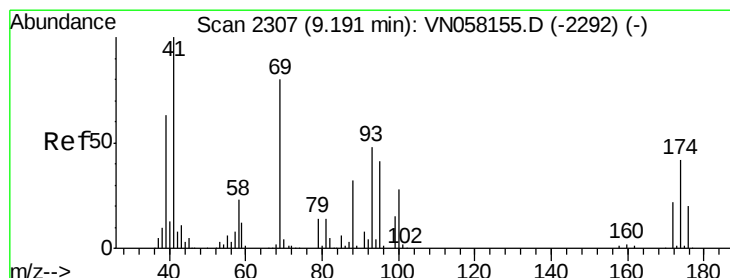
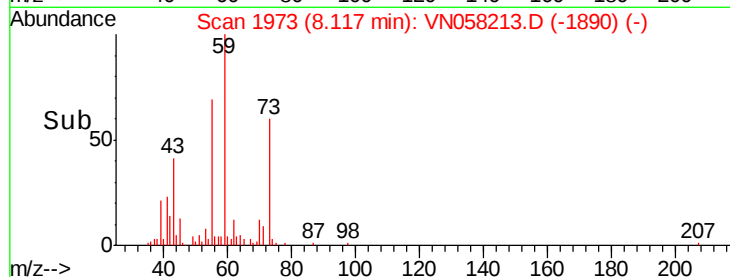
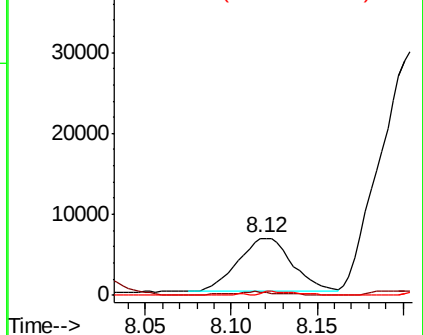
87 4.3 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 87.985 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

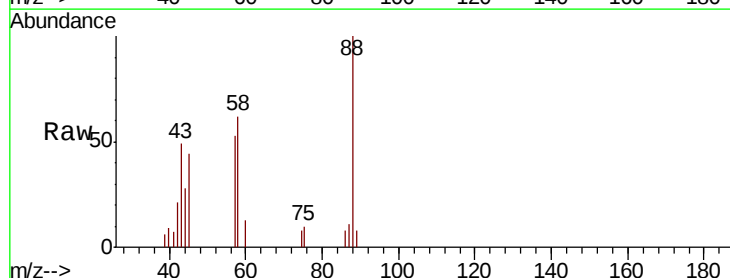
Tgt Ion: 88 Resp: 7995

Ion Ratio Lower Upper

88 100

43 36.8 27.8 41.8

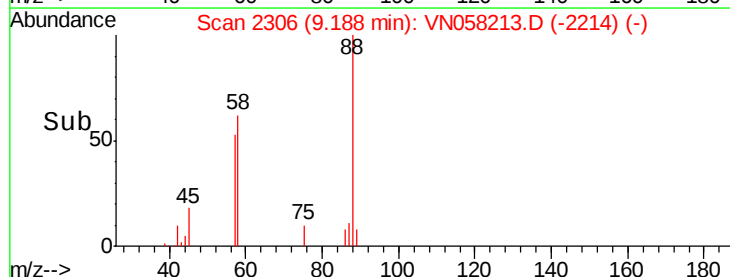
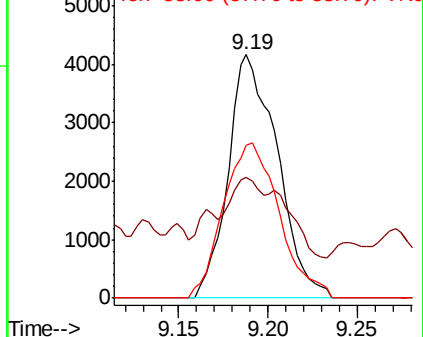
58 72.3 55.0 82.4

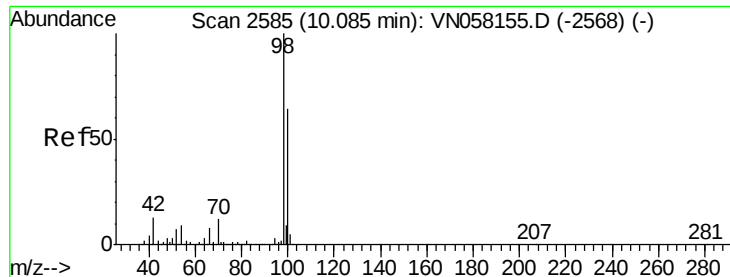


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.635 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

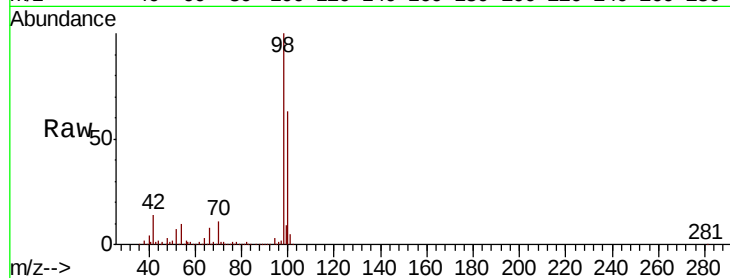
390918737.1-VOA

Tot Ion: 98 Resp: 1025290

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

600000

500000

400000

300000

200000

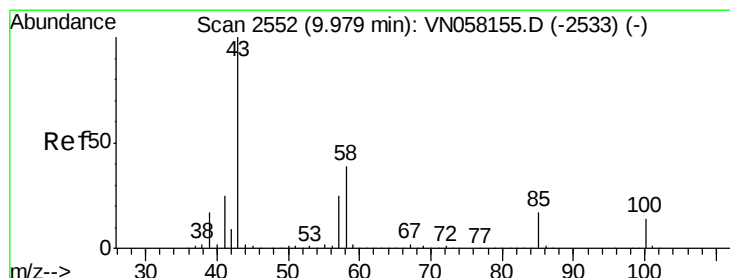
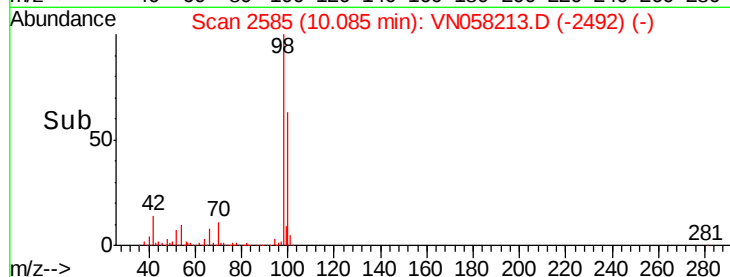
100000

0

10.00

10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 7.181 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.01 min

Lab File: VN058213.D

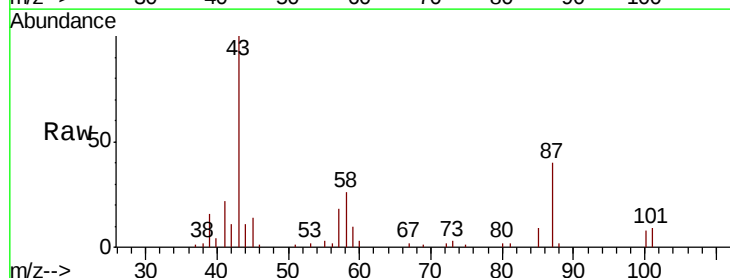
Acq: 19 Sep 2019 18:54

Tgt Ion: 43 Resp: 46491

Ion Ratio Lower Upper

43 100

58 23.9 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

20000

15000

10000

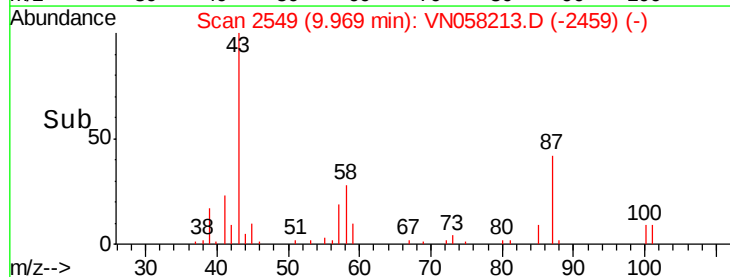
5000

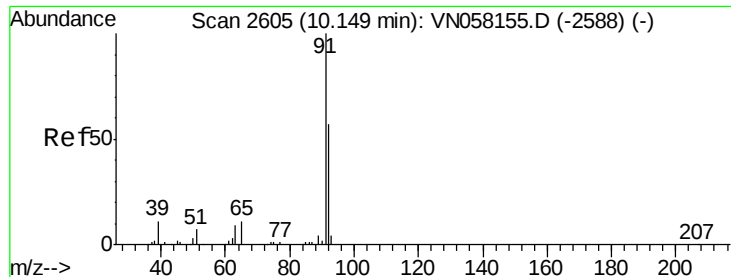
0

9.90

10.00

Time-->





#52

Toluene

Concen: 3.315 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

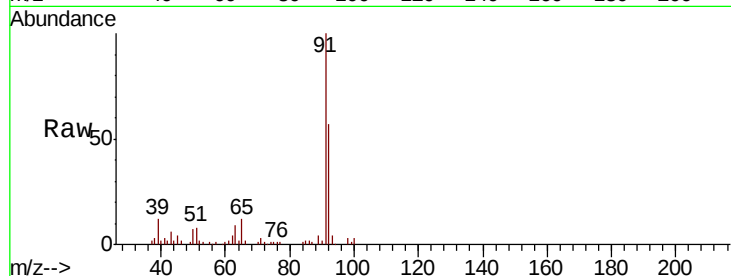
390918737.1-VOA

Tot Ion: 92 Resp: 39907

Ion Ratio Lower Upper

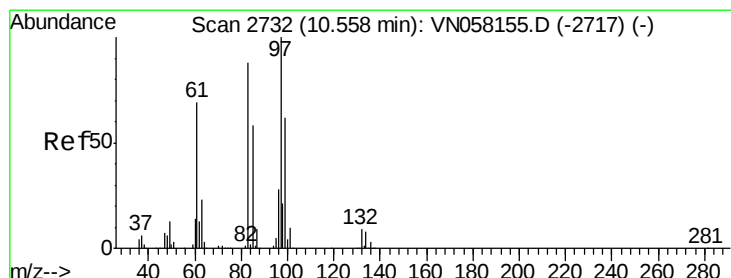
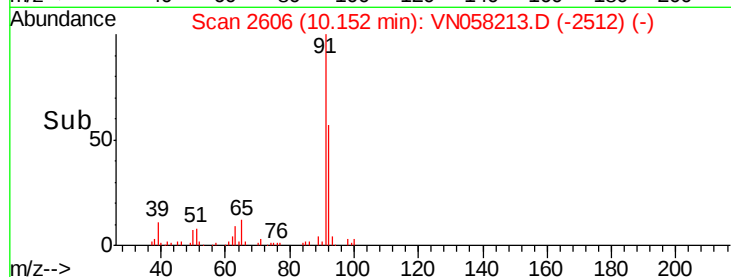
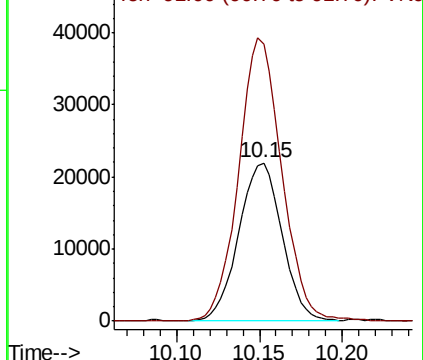
92 100

91 177.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VNO

Ion 91.00 (90.70 to 91.70): VNO



#55

1,1,2-Trichloroethane

Concen: 0.479 ug/l

RT: 10.45 min Scan# 2700

Delta R.T. -0.10 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Tgt Ion: 97 Resp: 2559

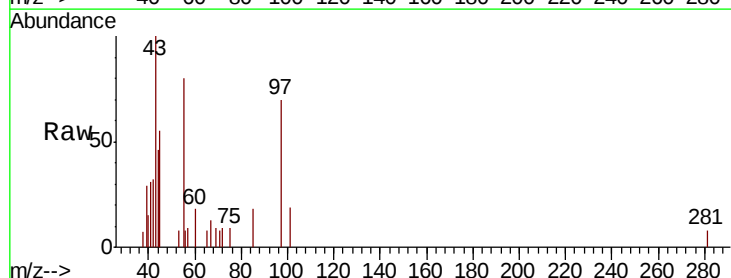
Ion Ratio Lower Upper

97 100

83 0.0 70.4 105.6#

85 26.2 46.8 70.2#

99 0.0 49.9 74.9#

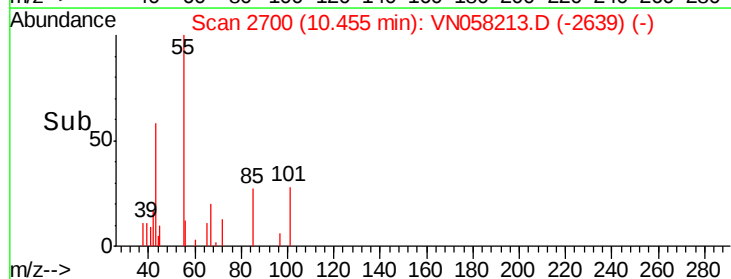
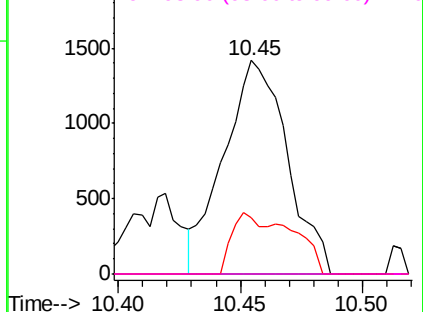


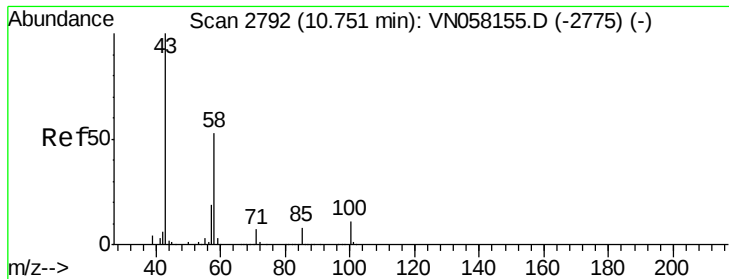
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

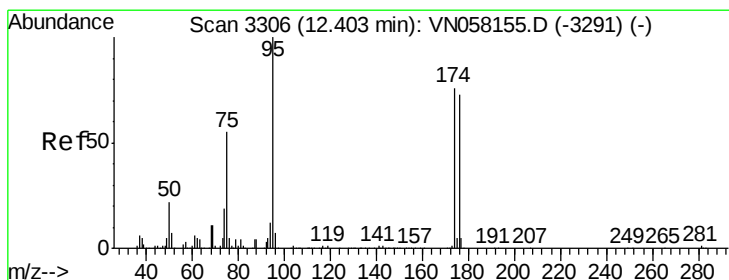
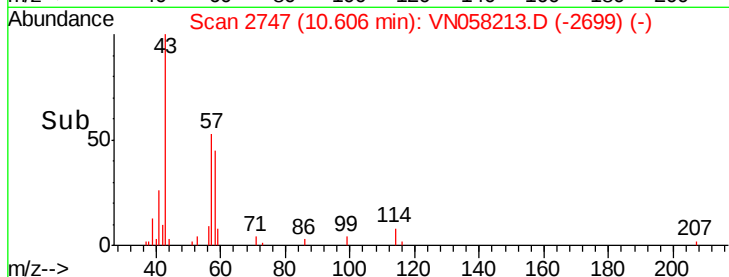
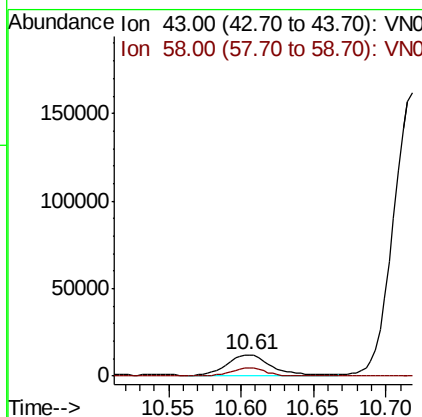
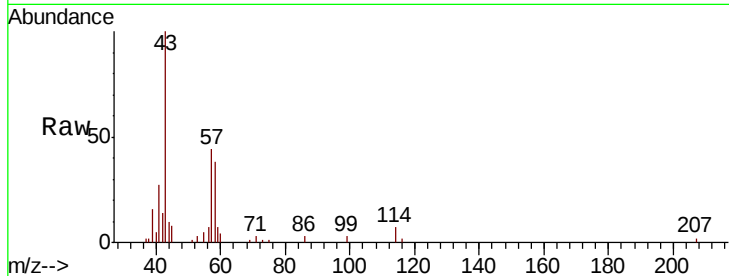




#59
2-Hexanone
Concen: 4.985 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.14 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

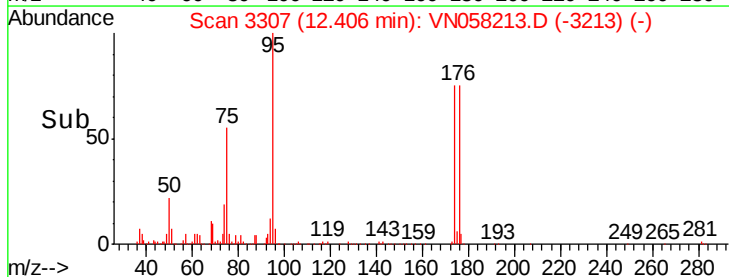
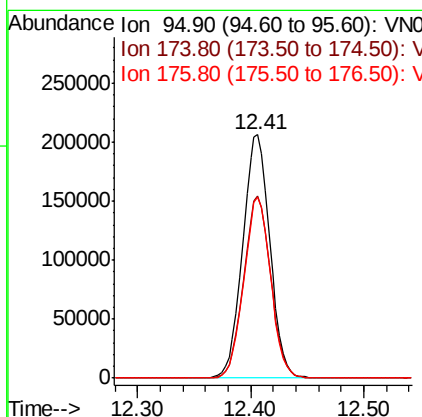
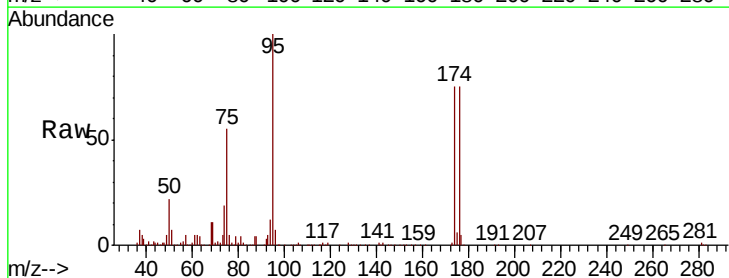
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

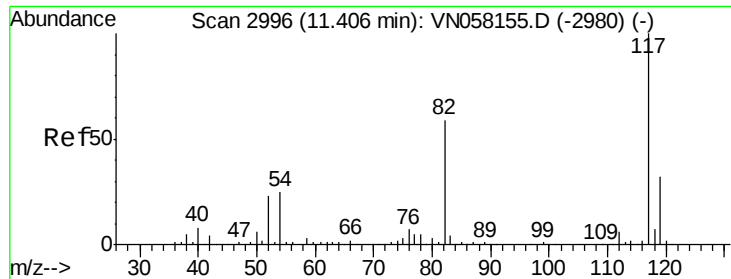
Tot Ion: 43 Resp: 23969
Ion Ratio Lower Upper
43 100
58 33.0 26.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.765 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 95 Resp: 343487
Ion Ratio Lower Upper
95 100
174 75.0 0.0 152.2
176 73.5 0.0 148.0

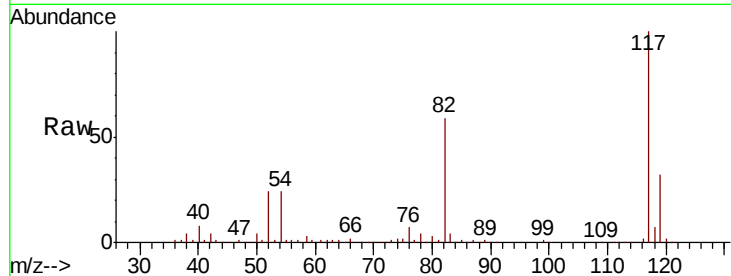




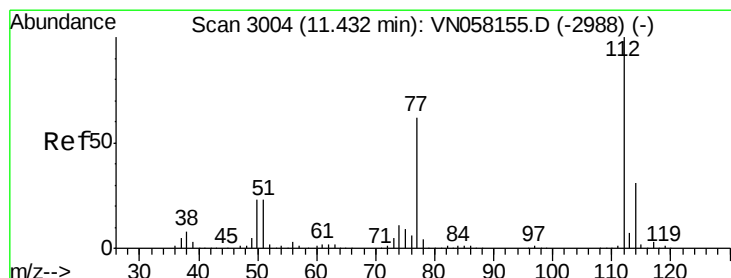
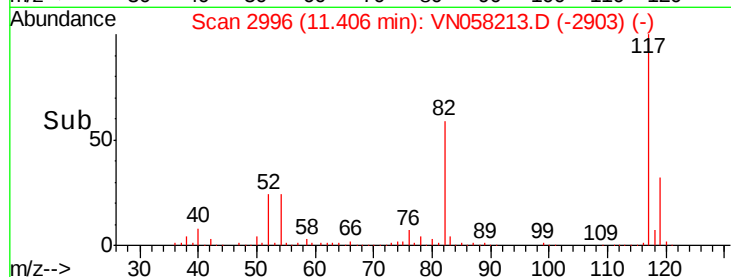
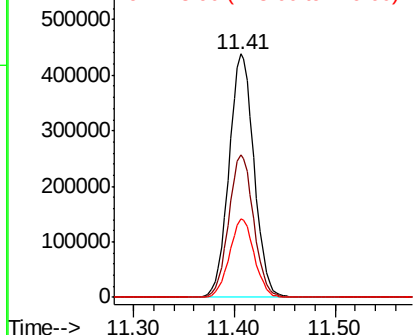
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

Tot Ion:117 Resp: 757143
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 32.1 25.3 37.9

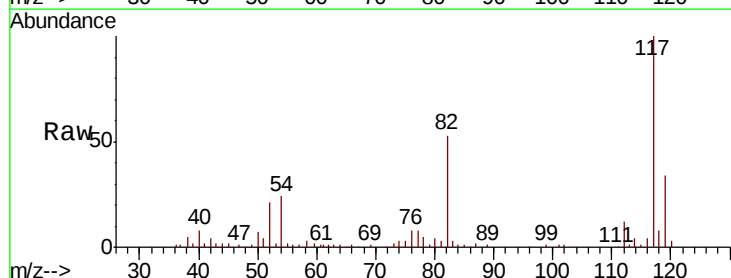


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

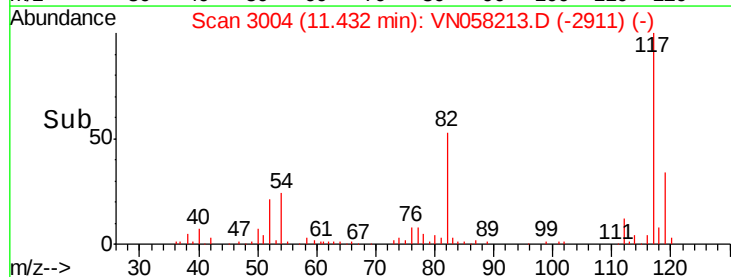
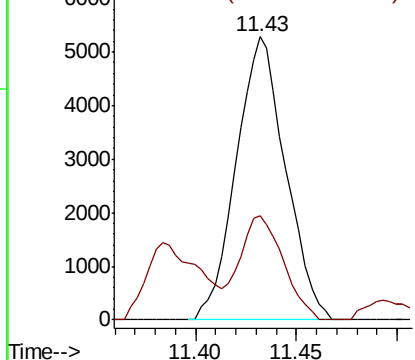


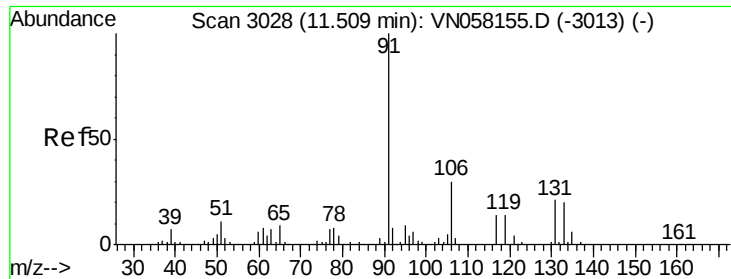
#65
Chlorobenzene
Concen: 0.677 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion:112 Resp: 9014
Ion Ratio Lower Upper
112 100
114 36.9 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

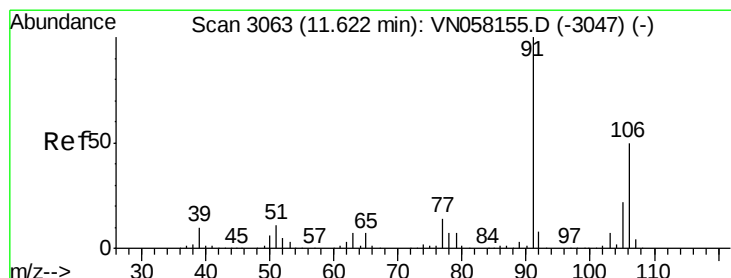
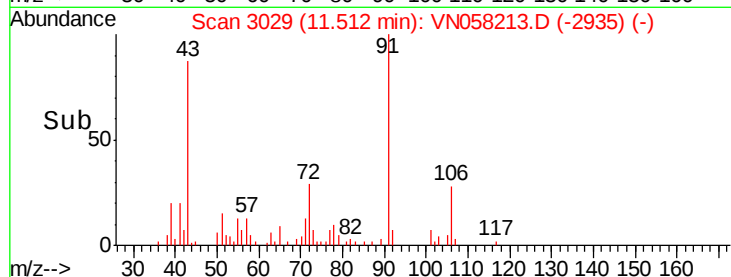
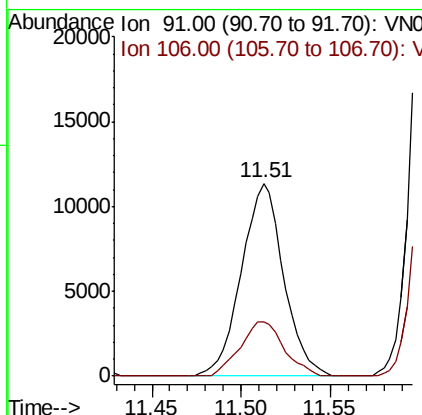
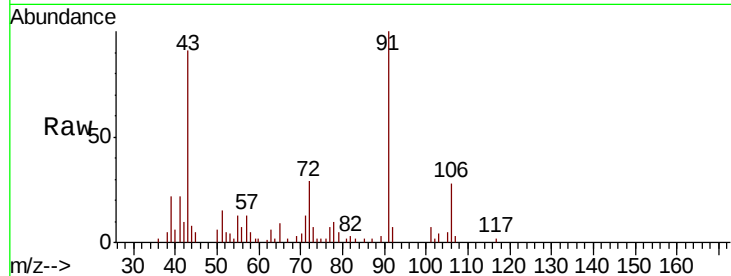




#67
Ethyl Benzene
Concen: 0.821 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

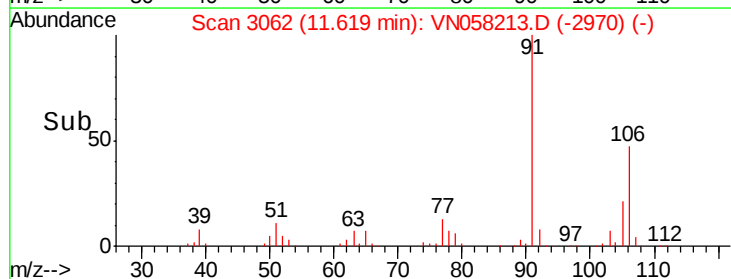
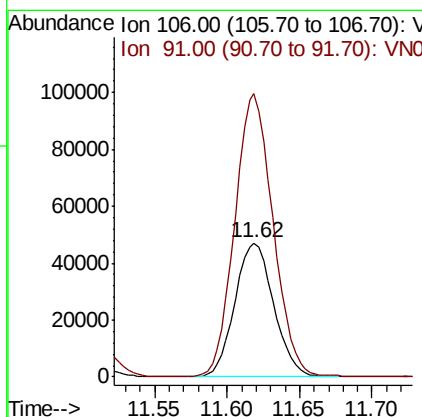
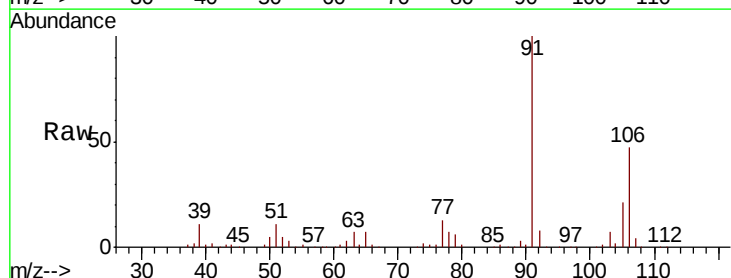
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

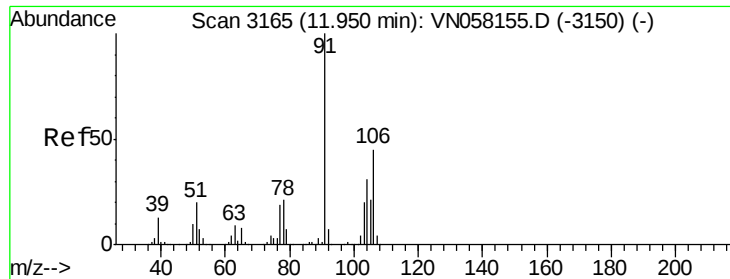
Tot Ion: 91 Resp: 18737
Ion Ratio Lower Upper
91 100
106 28.3 24.0 36.0



#68
m/p-Xylenes
Concen: 10.191 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 106 Resp: 87585
Ion Ratio Lower Upper
106 100
91 208.7 163.6 245.4

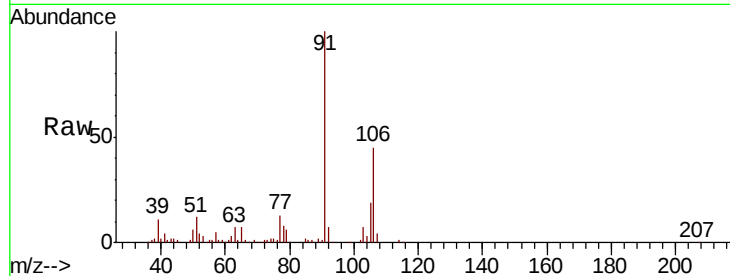




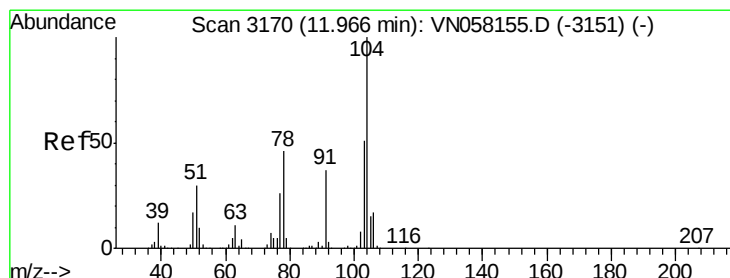
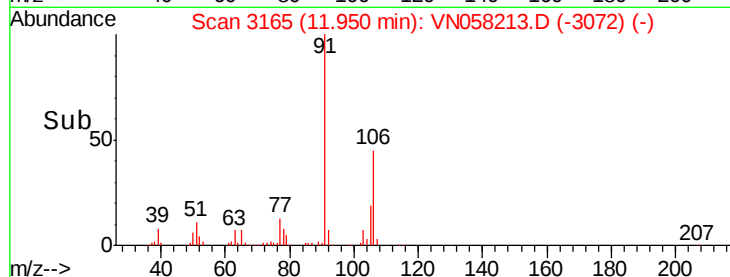
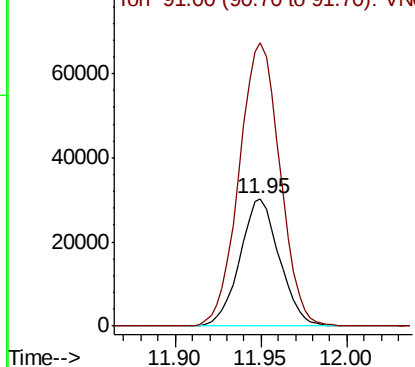
#69
o-Xylene
Concen: 5.720 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

Tot Ion:106 Resp: 48339
Ion Ratio Lower Upper
106 100
91 230.2 111.8 335.3

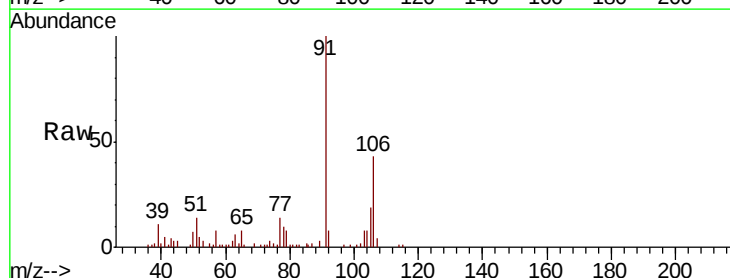


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

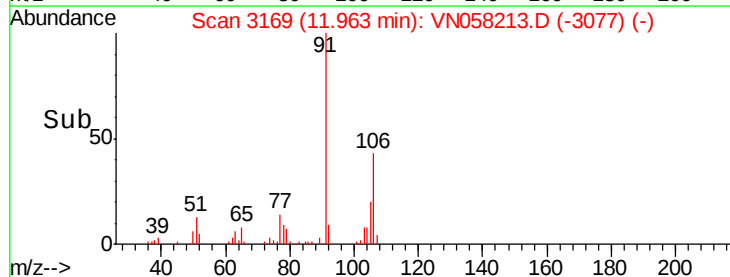
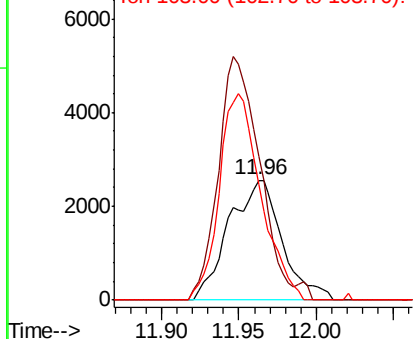


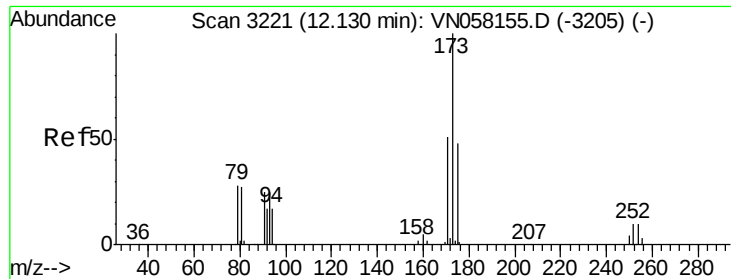
#70
Styrene
Concen: 0.418 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion:104 Resp: 6085
Ion Ratio Lower Upper
104 100
78 157.3 41.8 62.8#
103 134.4 44.2 66.2#



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





#71

Bromoform

Concen: 4.214 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

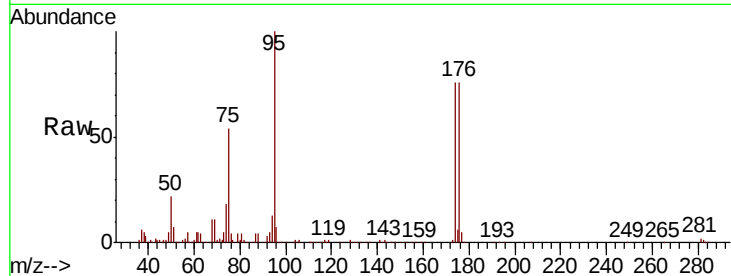
Tot Ion:173 Resp: 2387

Ion Ratio Lower Upper

173 100

175 695.0 24.2 72.6#

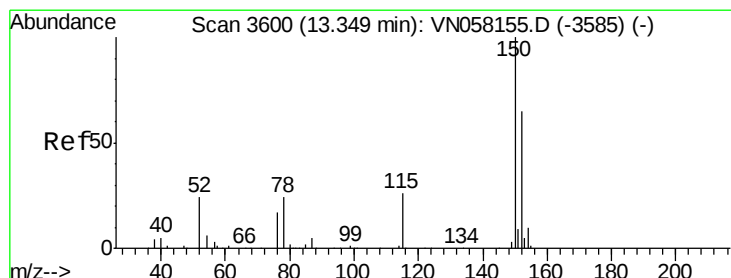
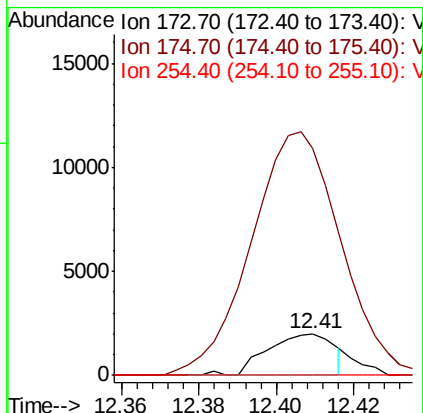
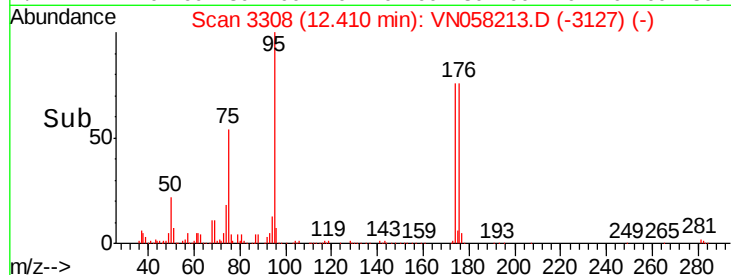
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

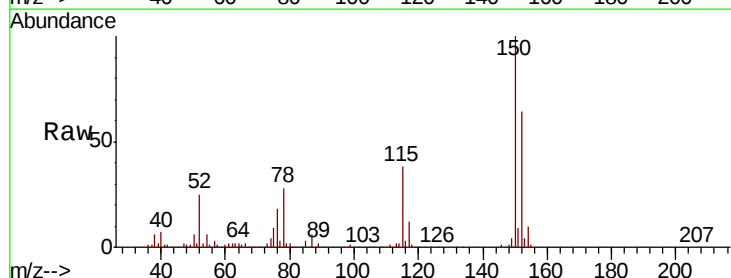
Tgt Ion:152 Resp: 328807

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

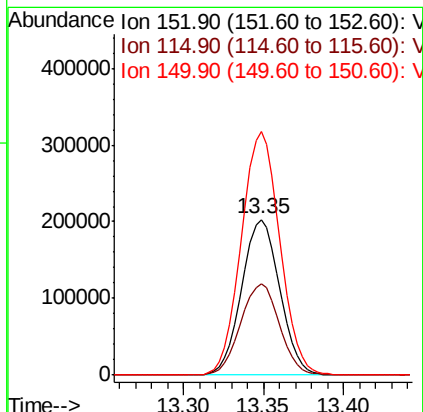
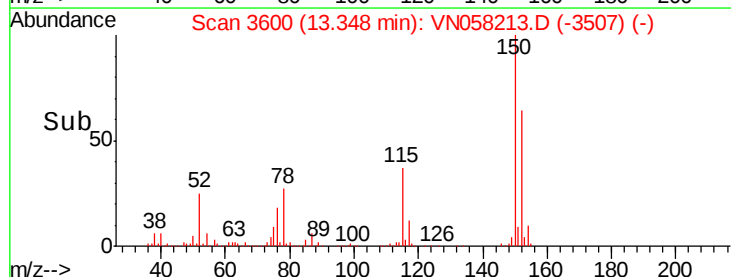
150 158.7 0.0 346.4

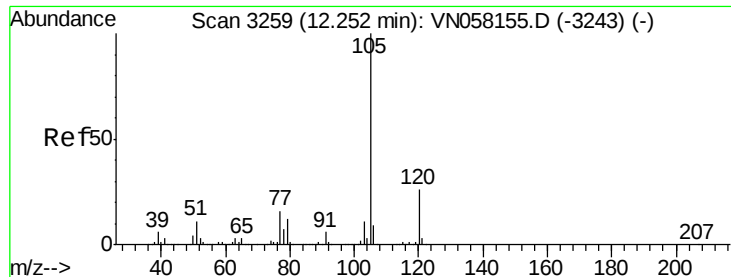


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.274 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

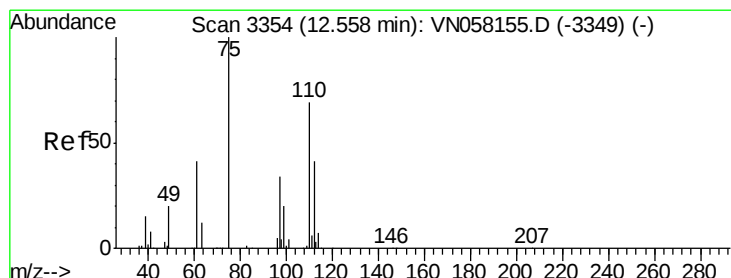
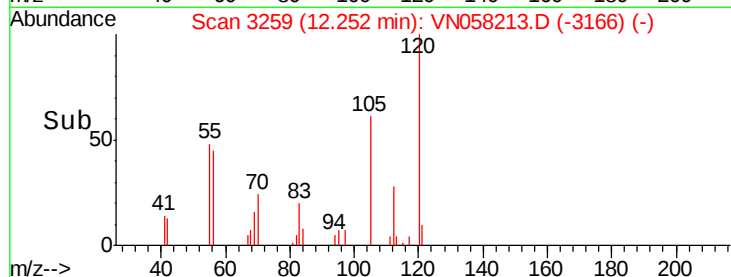
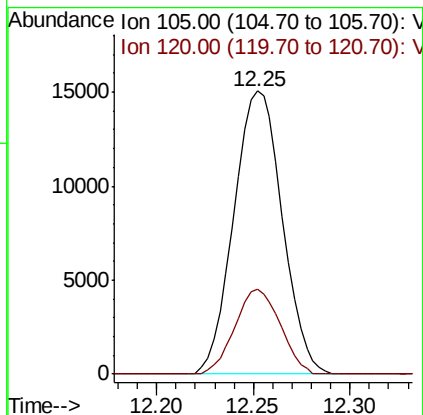
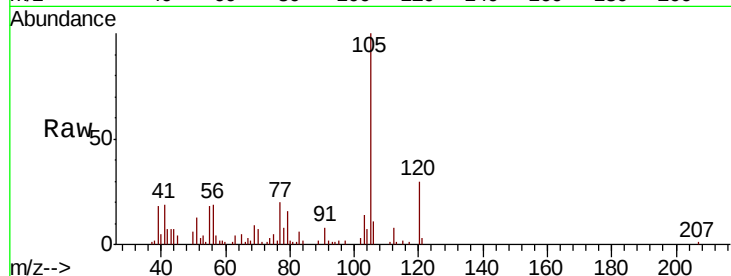
390918737.1-VOA

Tot Ion:105 Resp: 26228

Ion Ratio Lower Upper

105 100

120 28.0 12.8 38.3



#76

1,2,3-Trichloropropane

Concen: 31.838 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058213.D

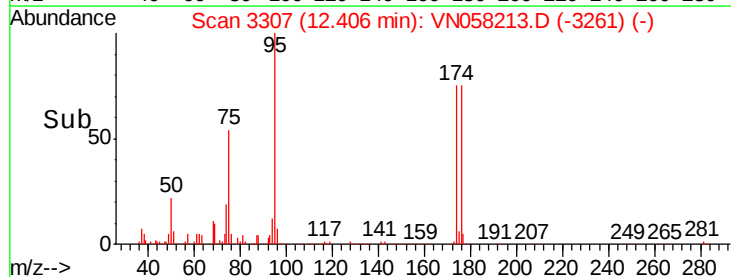
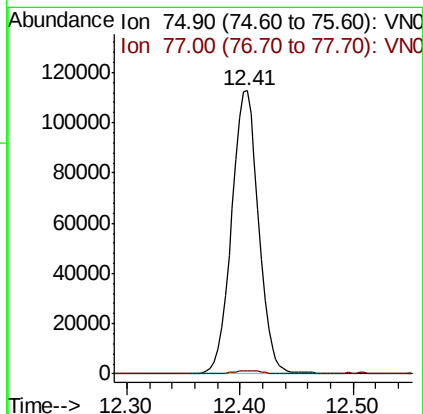
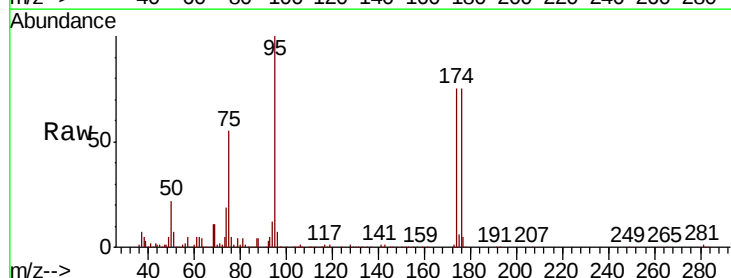
Acq: 19 Sep 2019 18:54

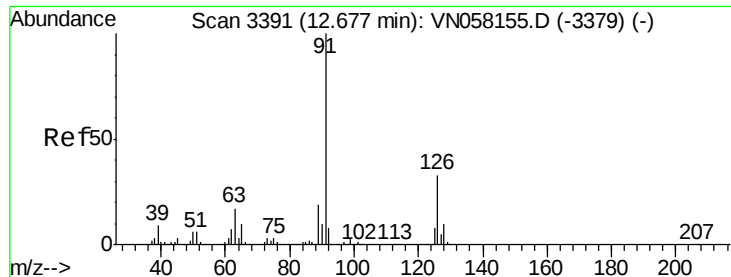
Tgt Ion: 75 Resp: 187353

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#79

2-Chlorotoluene

Concen: 0.470 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

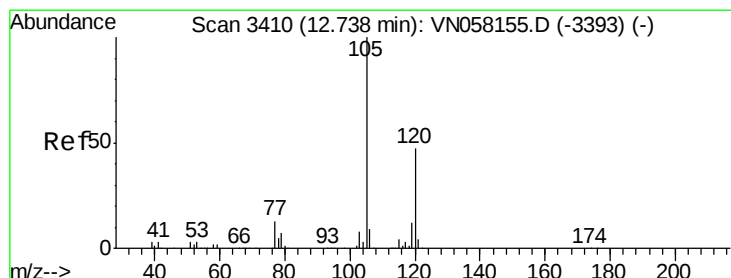
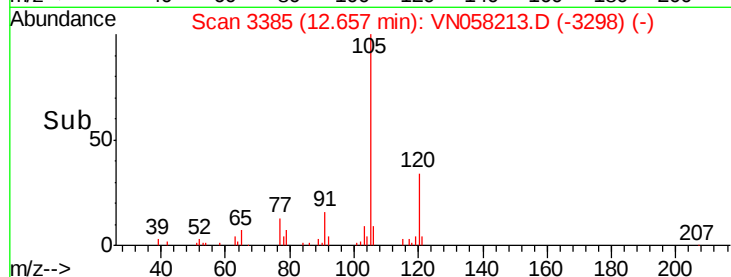
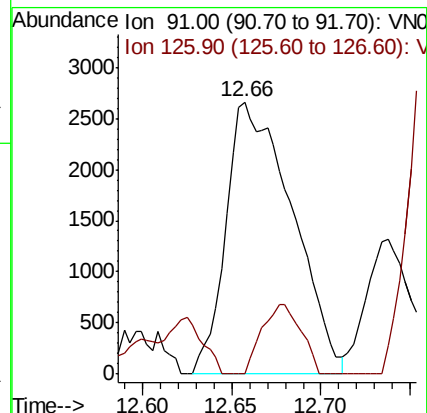
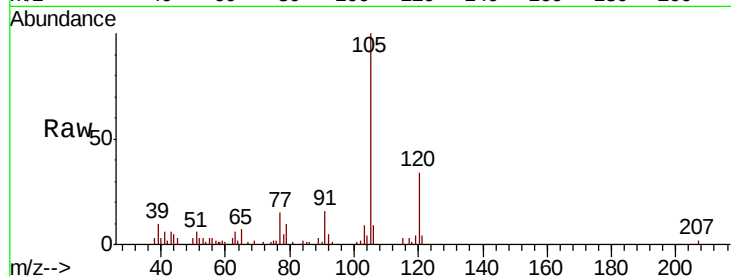
390918737.1-VOA

Tot Ion: 91 Resp: 6873

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#80

1,3,5-Trimethylbenzene

Concen: 0.906 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058213.D

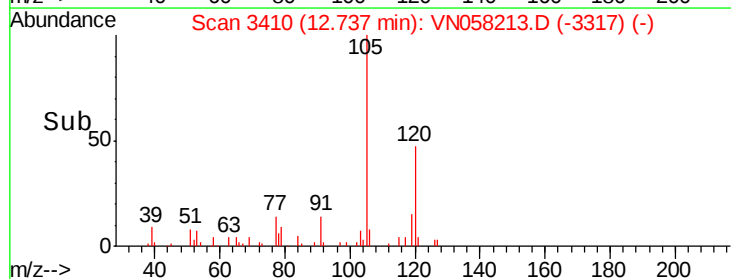
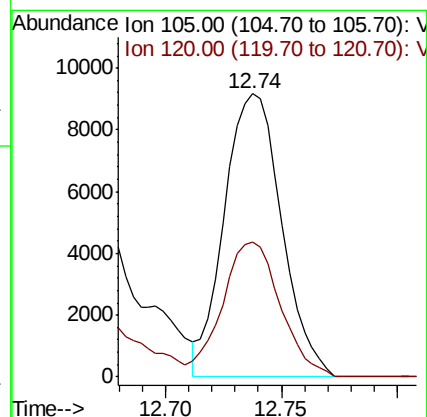
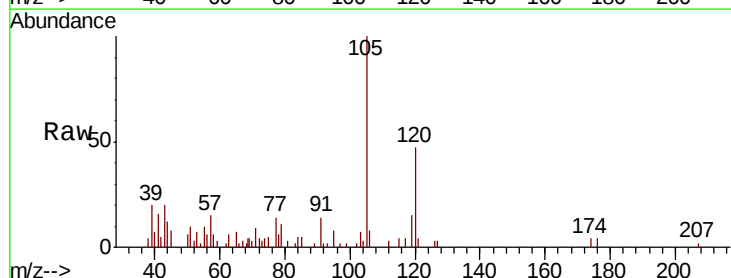
Acq: 19 Sep 2019 18:54

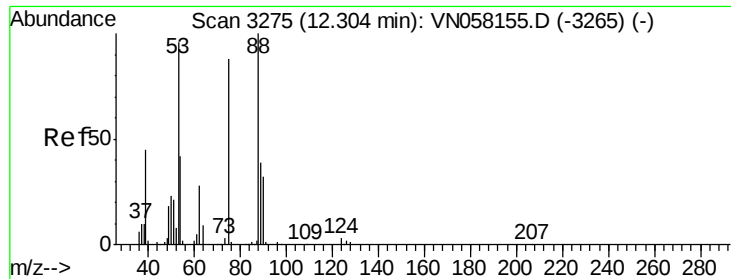
Tgt Ion: 105 Resp: 15768

Ion Ratio Lower Upper

105 100

120 48.2 23.4 70.0

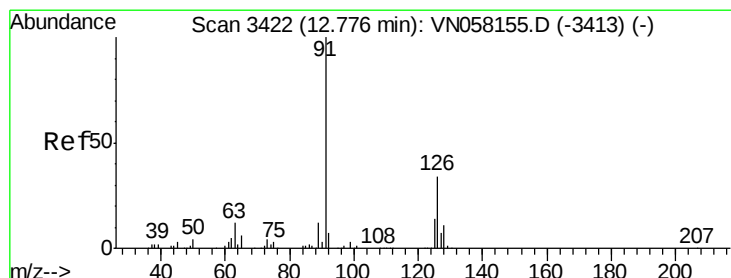
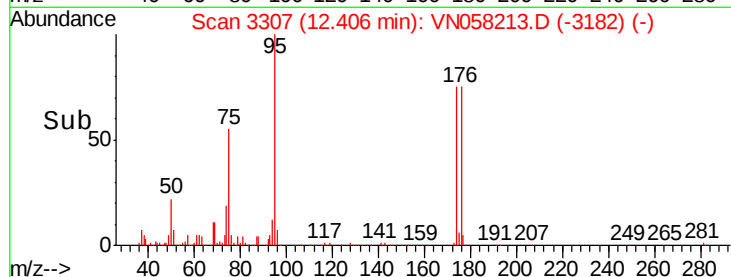
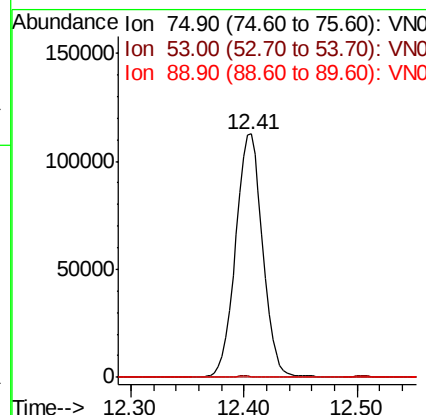
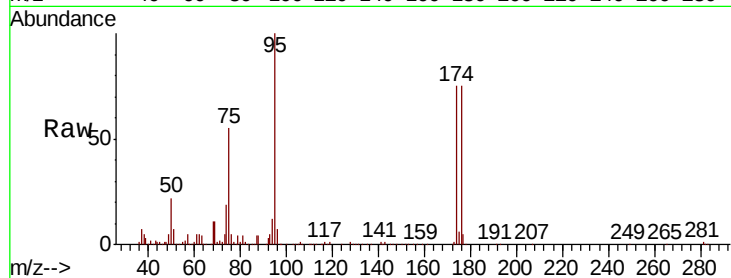




#81
trans-1,4-Dichloro-2-butene
Concen: 89.584 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

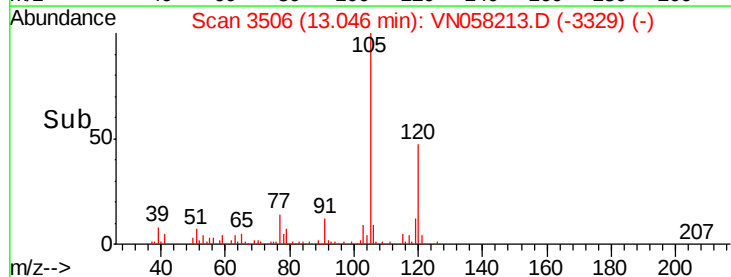
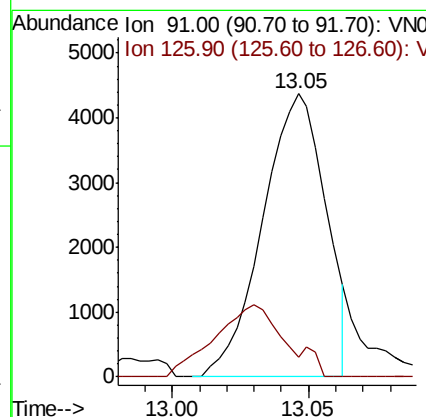
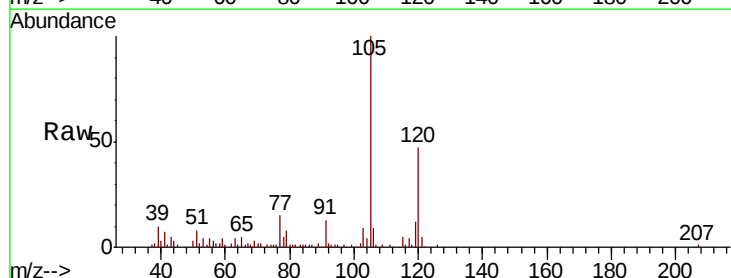
Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

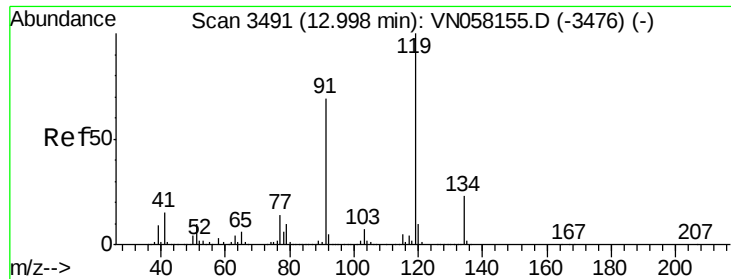
Tot Ion: 75 Resp: 187353
Ion Ratio Lower Upper
75 100
53 0.7 90.1 135.1#
89 0.0 36.2 54.2#



#82
4-Chlorotoluene
Concen: 0.456 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.27 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion: 91 Resp: 7011
Ion Ratio Lower Upper
91 100
126 28.5 15.7 47.1

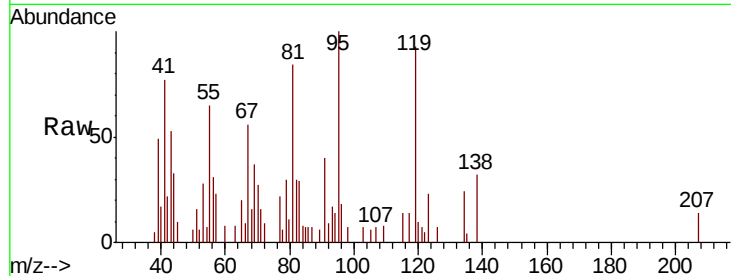




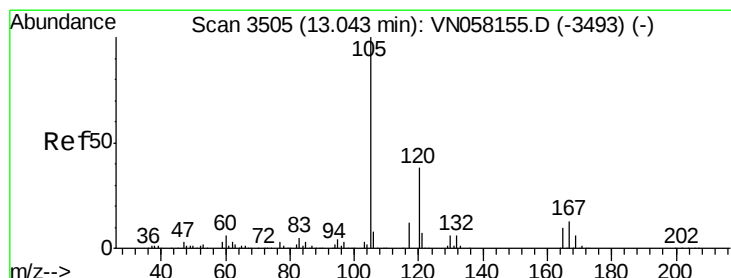
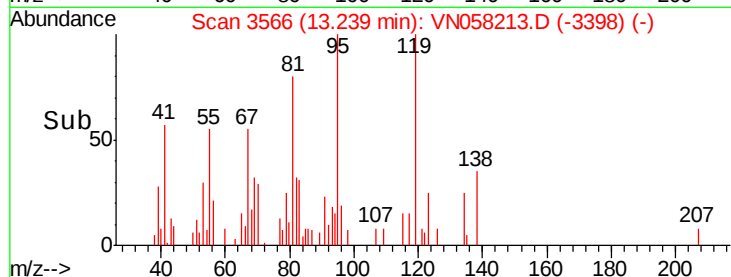
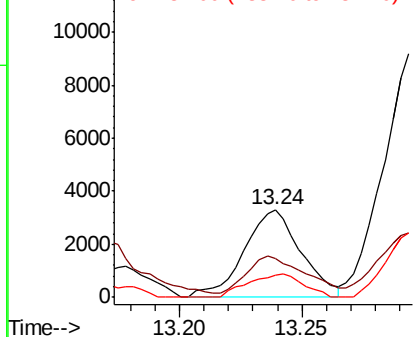
#83
tert-Butylbenzene
Concen: 0.344 ug/l
RT: 13.24 min Scan# 3566
Delta R.T. 0.24 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
390918737.1-VOA

Tot Ion:119 Resp: 5343
Ion Ratio Lower Upper
119 100
91 41.0 33.8 101.3
134 25.8 11.6 34.8

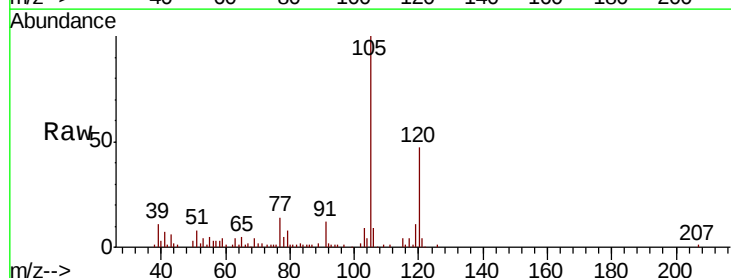


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

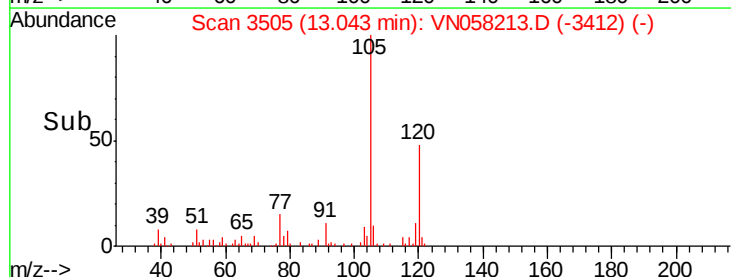
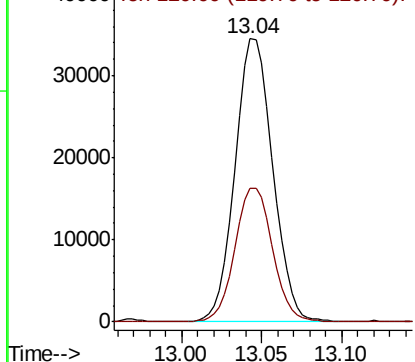


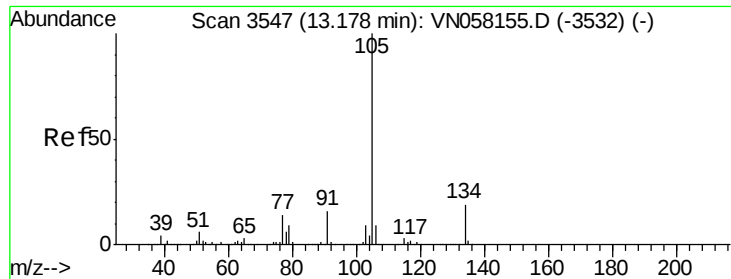
#84
1,2,4-Trimethylbenzene
Concen: 3.191 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Tgt Ion:105 Resp: 55275
Ion Ratio Lower Upper
105 100
120 47.0 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 2.724 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.14 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

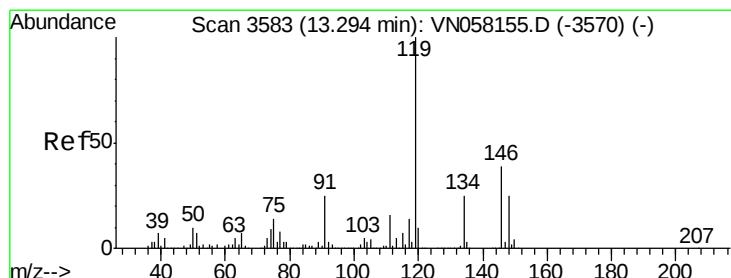
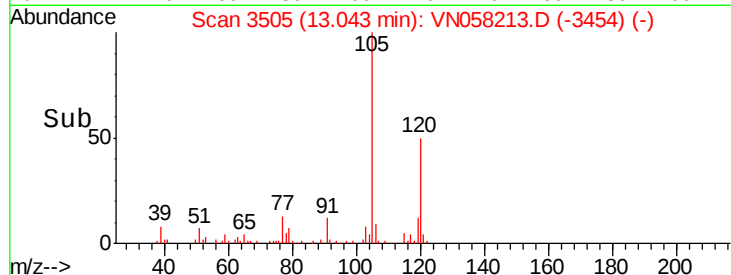
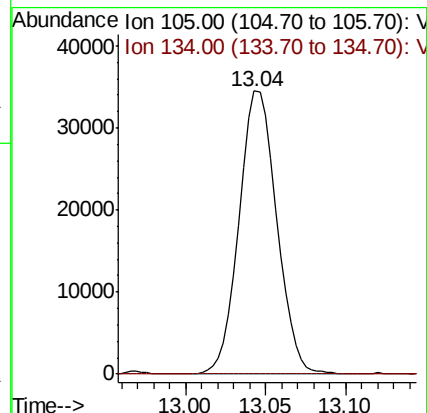
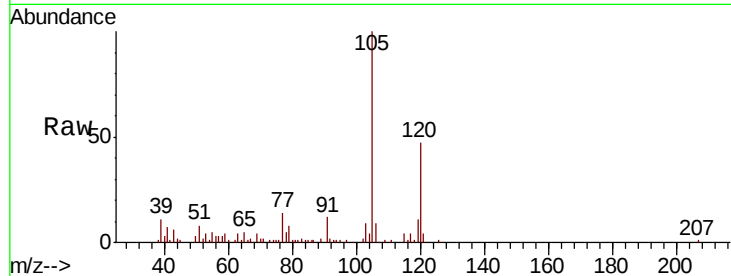
390918737.1-VOA

Tot Ion:105 Resp: 55275

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#



#86

p-Isopropyltoluene

Concen: 0.785 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

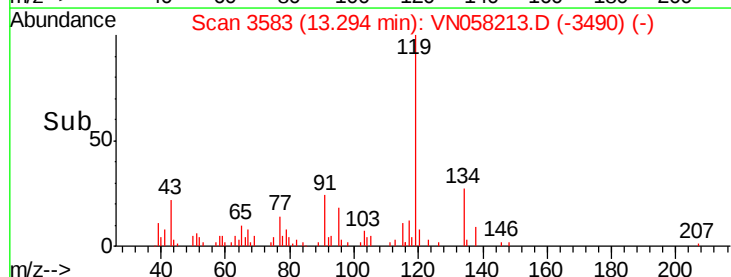
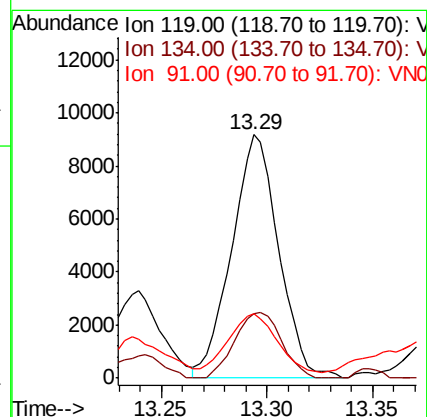
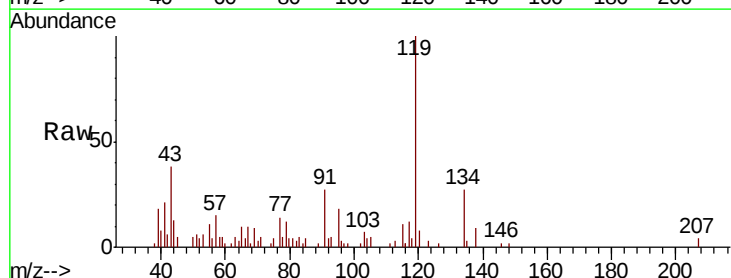
Tgt Ion:119 Resp: 14163

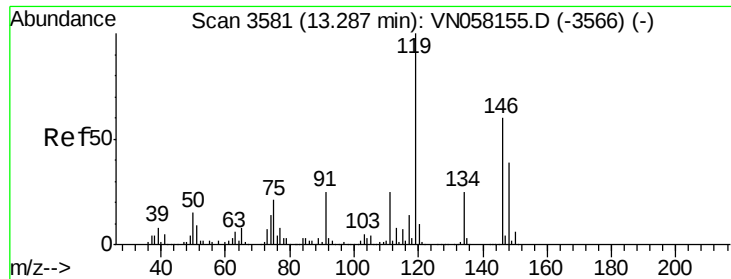
Ion Ratio Lower Upper

119 100

134 26.9 12.7 38.0

91 25.4 12.3 36.8

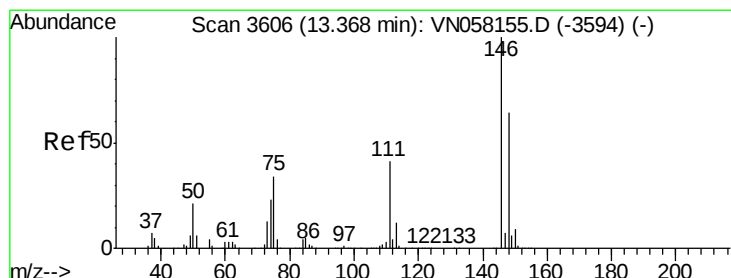
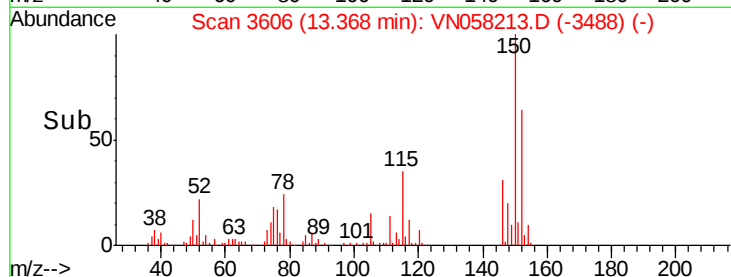
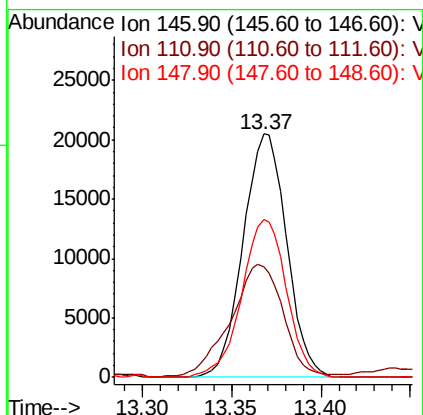
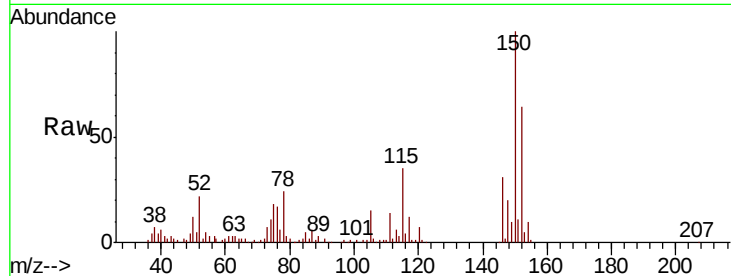




#87
 1,3-Dichlorobenzene
 Concen: 3.700 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.08 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

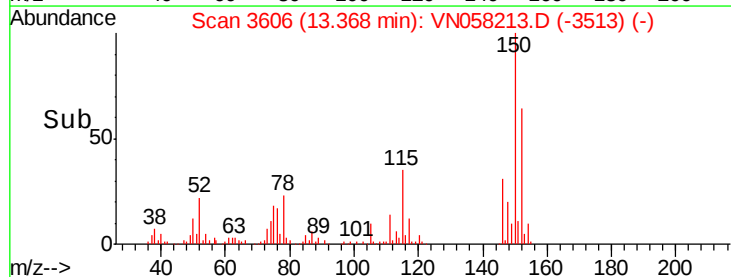
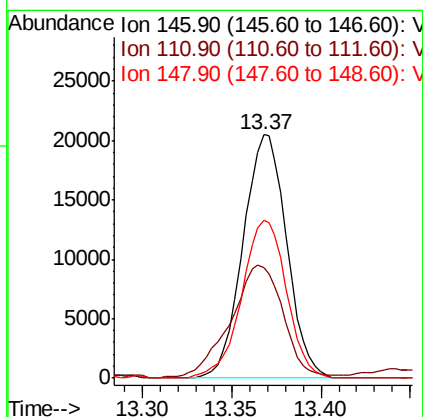
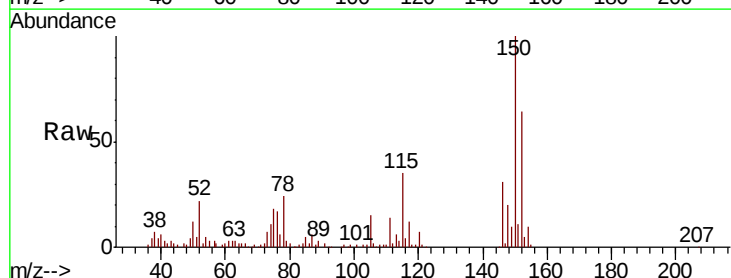
Instrument :
 MSVOA_N
 ClientSampleId :
 390918737.1-VOA

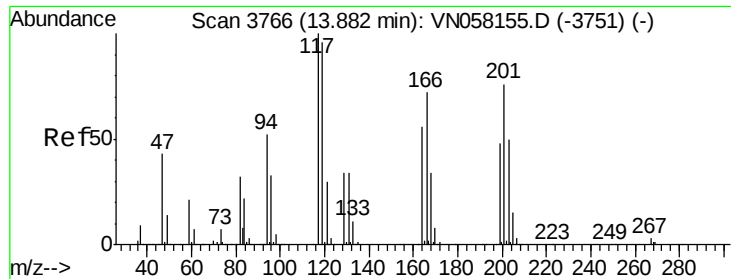
Tot Ion:146 Resp: 34984
 Ion Ratio Lower Upper
 146 100
 111 56.4 20.9 62.8
 148 66.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 3.624 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

Tgt Ion:146 Resp: 34984
 Ion Ratio Lower Upper
 146 100
 111 56.4 20.5 61.5
 148 66.5 31.9 95.5





#90

Hexachloroethane

Concen: 3.067 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

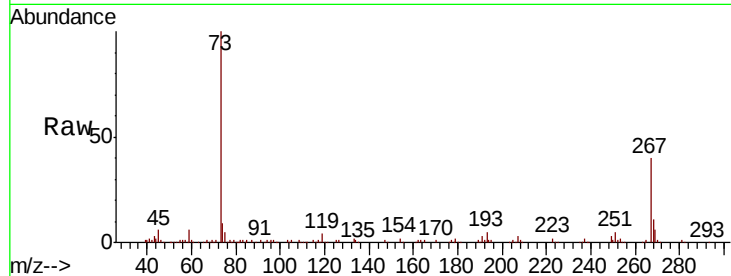
390918737.1-VOA

Tot Ion:117 Resp: 821

Ion Ratio Lower Upper

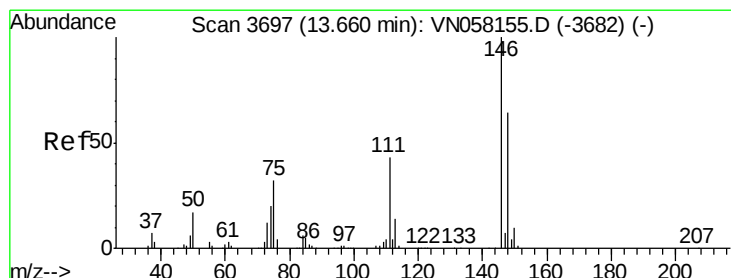
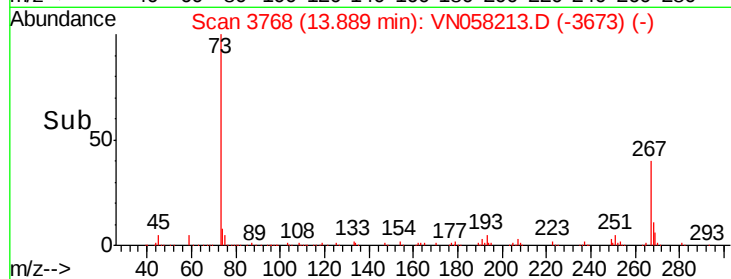
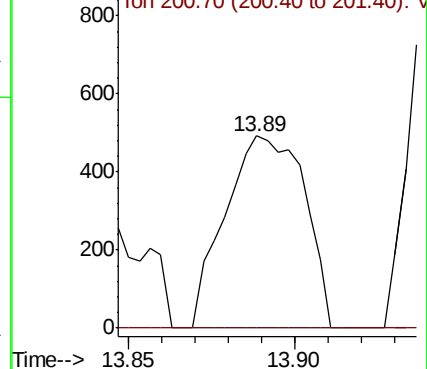
117 100

201 0.0 37.5 112.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.244 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

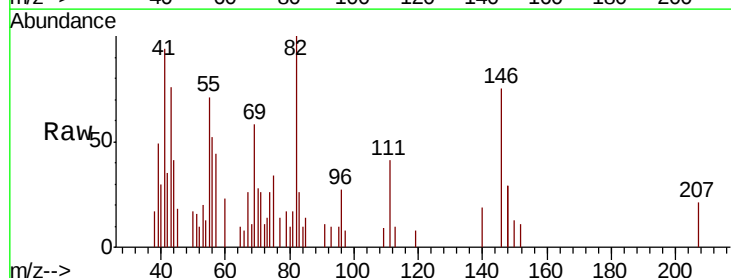
Tgt Ion:146 Resp: 2312

Ion Ratio Lower Upper

146 100

111 65.1 21.1 63.1#

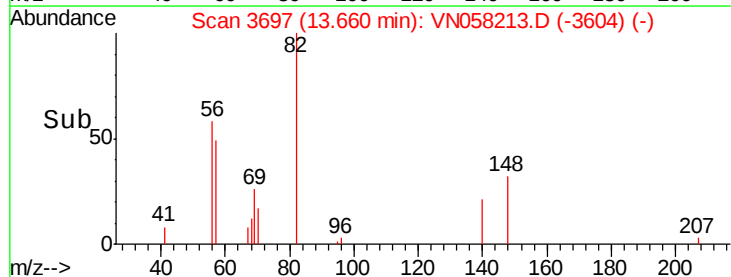
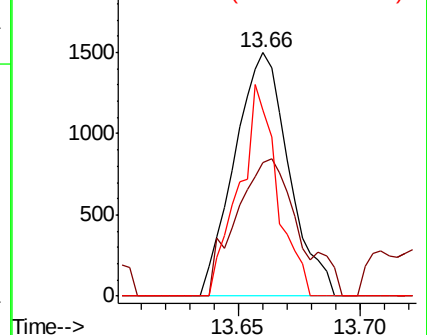
148 61.2 31.8 95.4

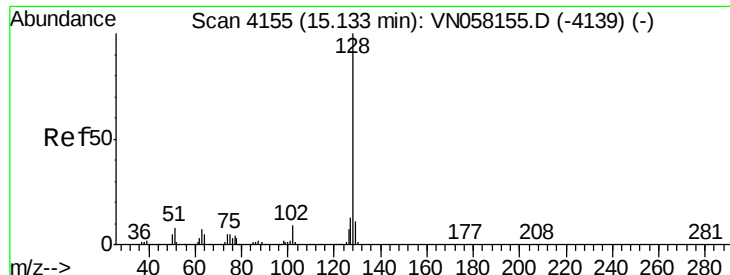


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 3.439 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

390918737.1-VOA

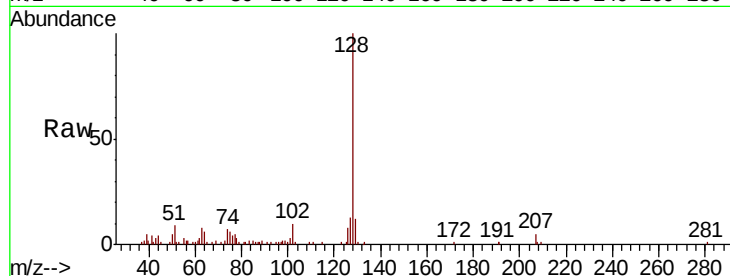
Tot Ion:128 Resp: 54015

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

129 11.2 8.6 12.8



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

