

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 :

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

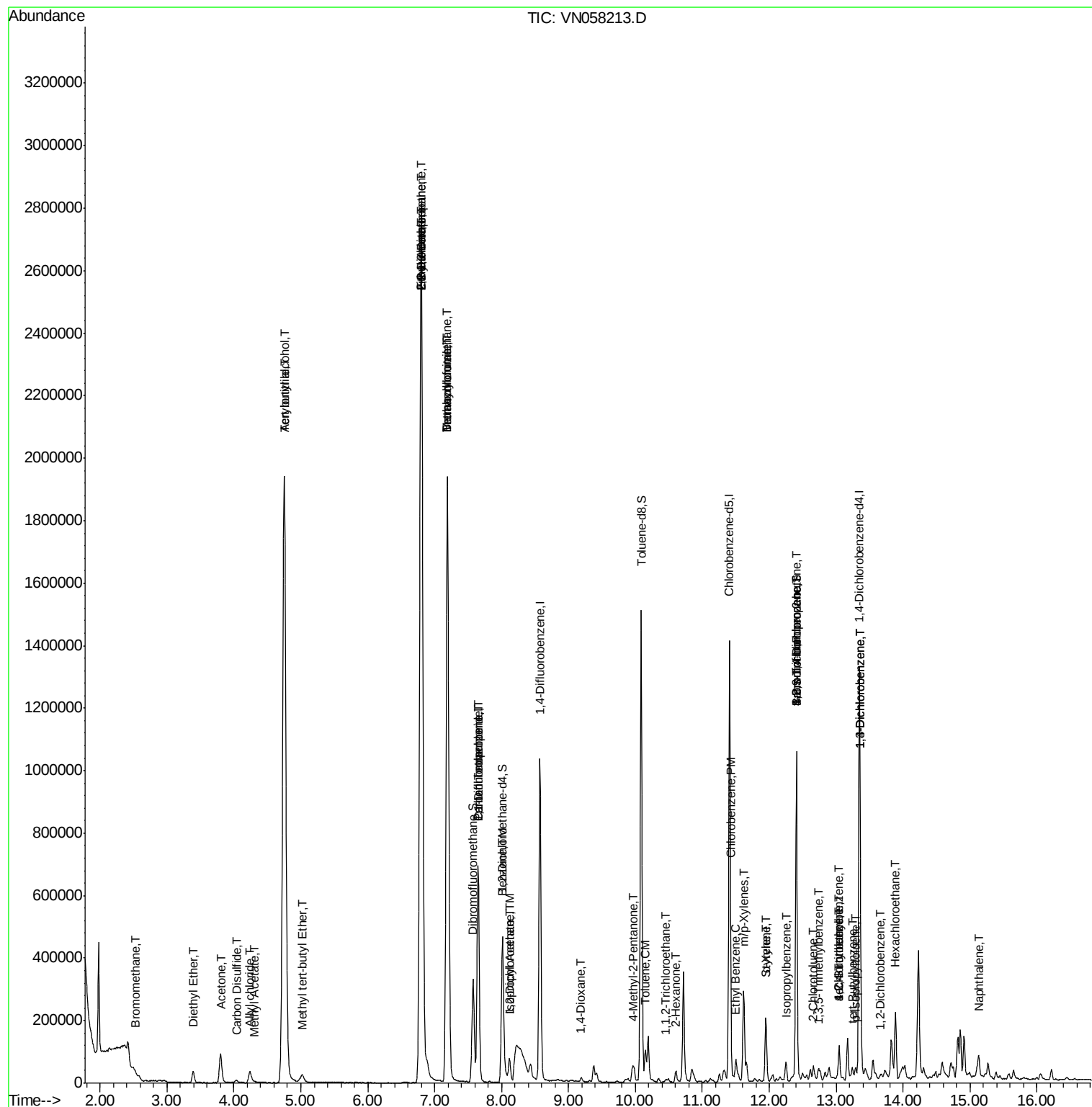
68) m/p-Xylenes	11.62	106	87585	10.191	uq/l	97
69) o-Xylene	11.95	106	48339	5.720	uq/l	96
70) Styrene	11.96	104	6085	0.418	uq/l #	1
71) Bromoform	12.41	173	2387	4.214	uq/l #	1
73) Isopropylbenzene	12.25	105	26228	1.274	uq/l	95
76) 1,2,3-Trichloropropane	12.41	75	187353	31.838	uq/l #	100
79) 2-Chlorotoluene	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

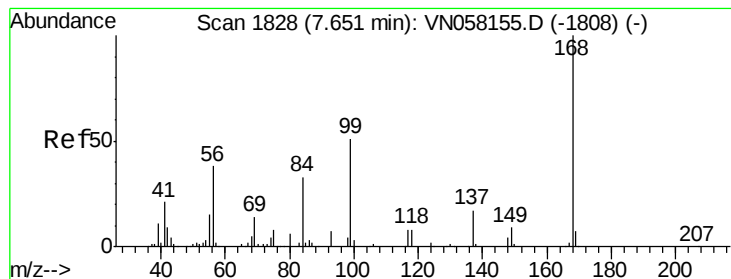
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

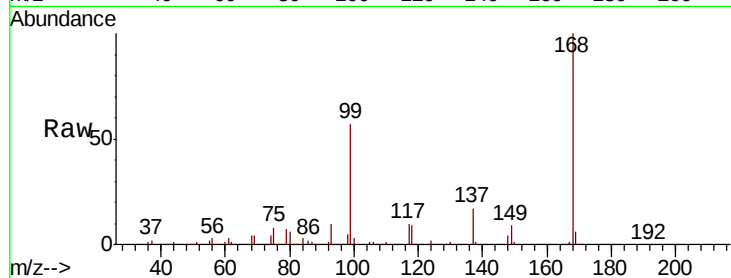
Instrument :
MSVOA_N
ClientSampleId :

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): VNO

7.65

250000

200000

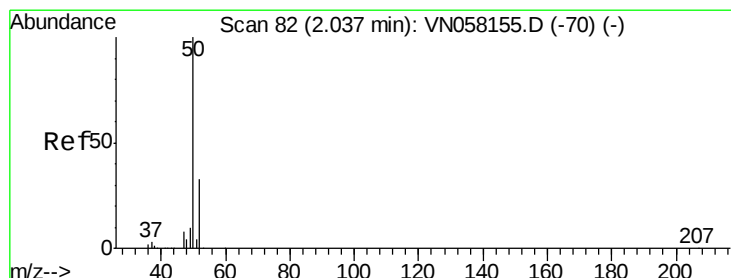
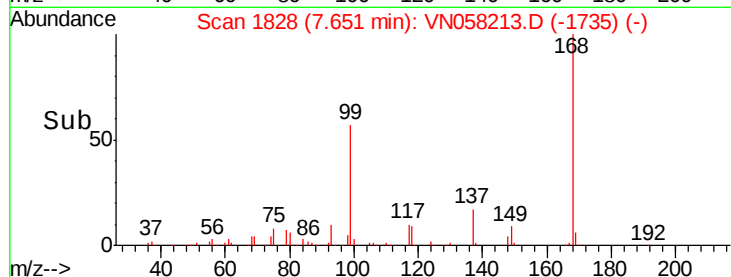
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN058213.D

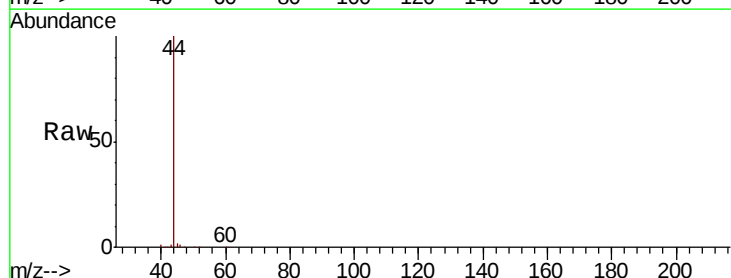
Acq: 19 Sep 2019 18:54

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): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

500

400

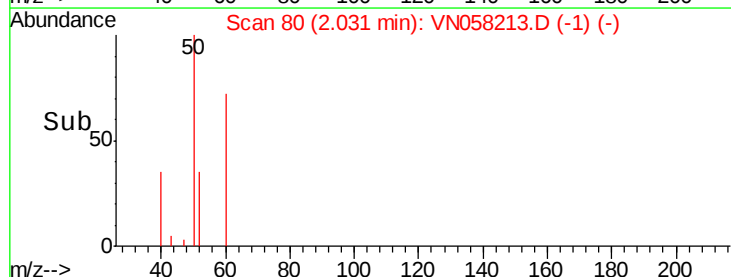
300

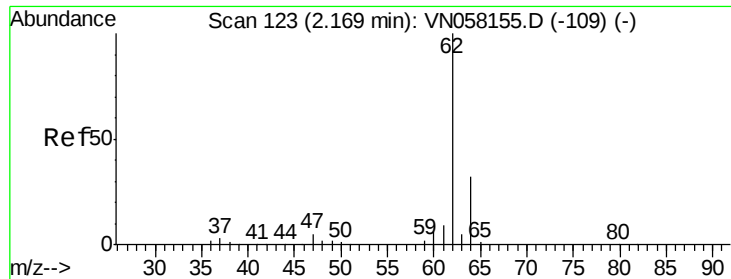
200

100

0

Time-->





#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

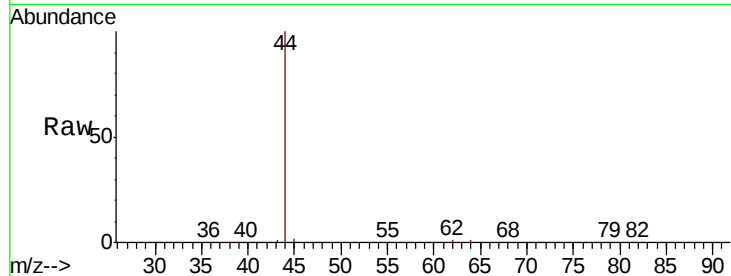
ClientSampled :

Tot Ion: 62 Resp: 1939

Ion Ratio Lower Upper

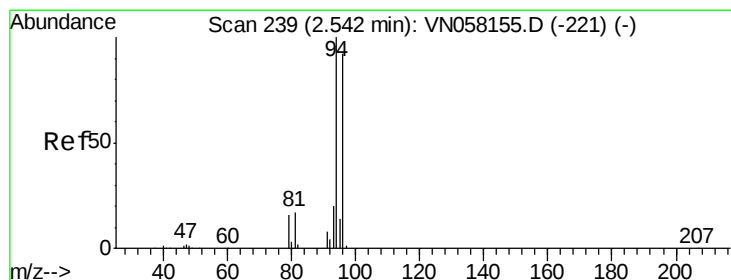
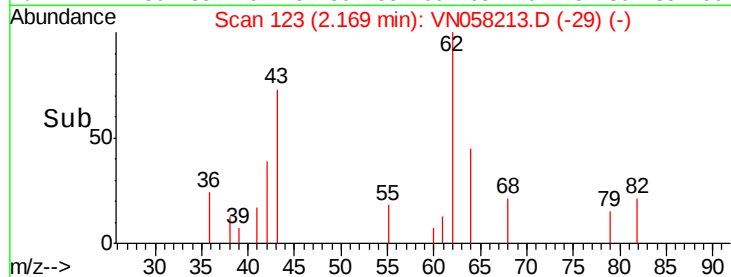
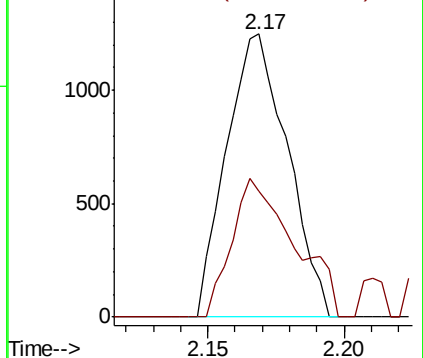
62 100

64 44.7 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: 0.800 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058213.D

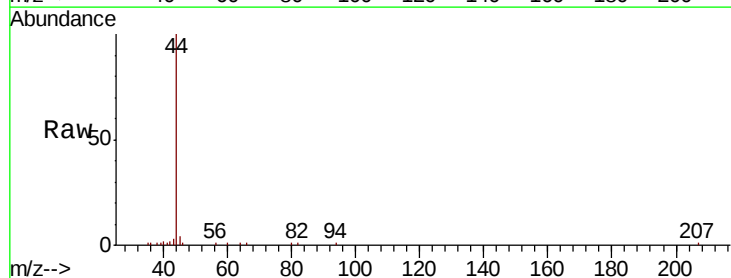
Acq: 19 Sep 2019 18:54

Tgt Ion: 94 Resp: 157

Ion Ratio Lower Upper

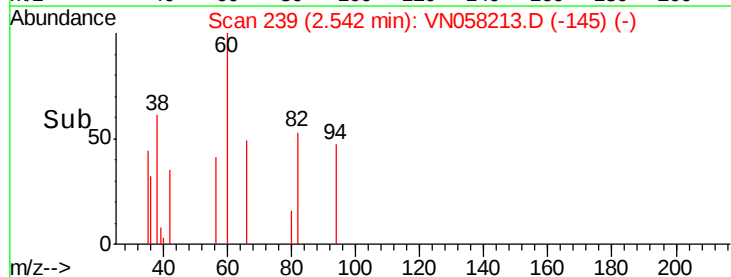
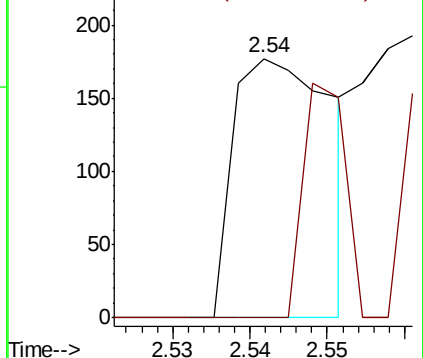
94 100

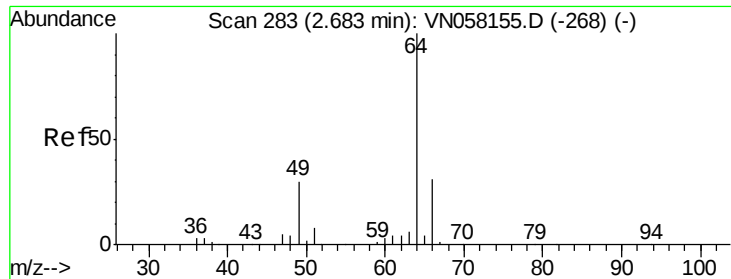
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#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

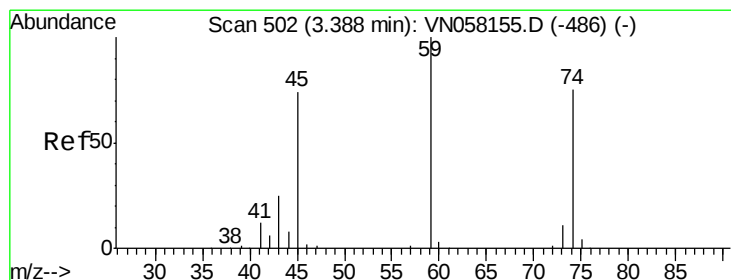
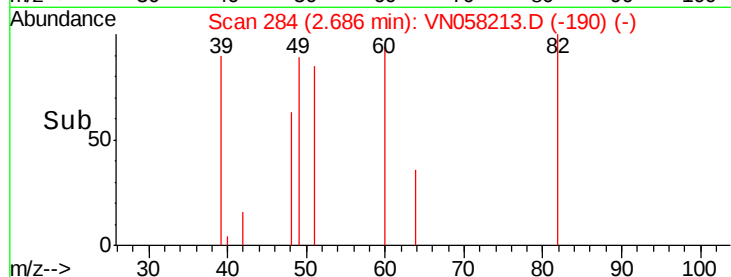
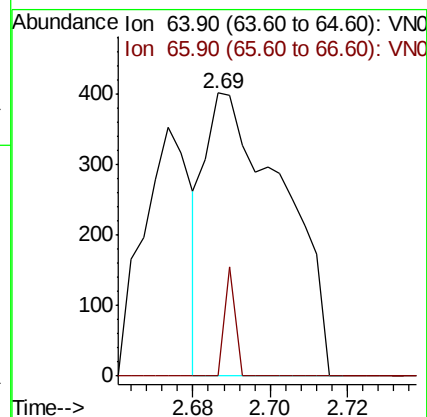
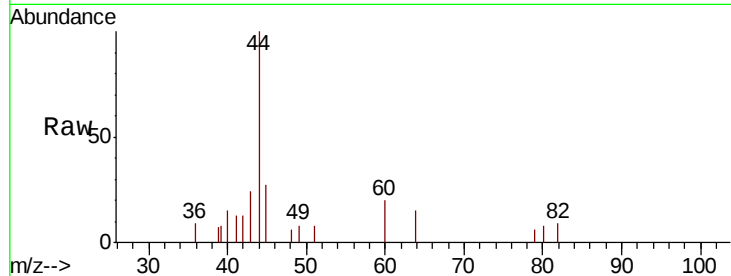
ClientSampleId :

Tot Ion: 64 Resp: 568

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#8

Diethyl Ether

Concen: 6.068 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN058213.D

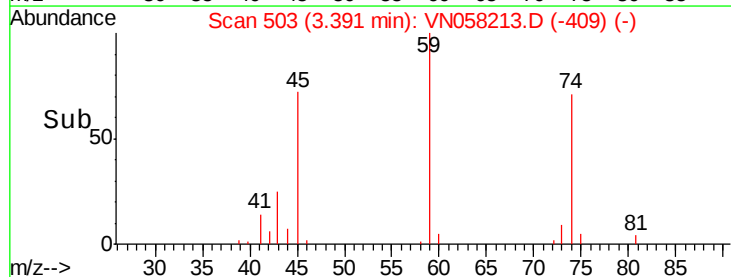
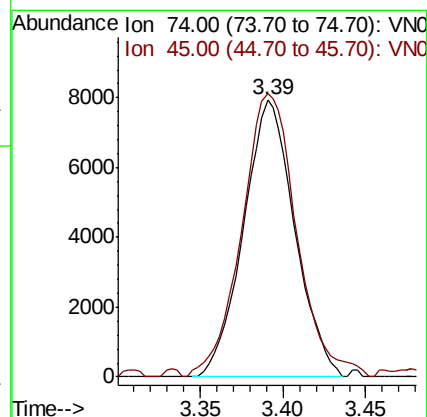
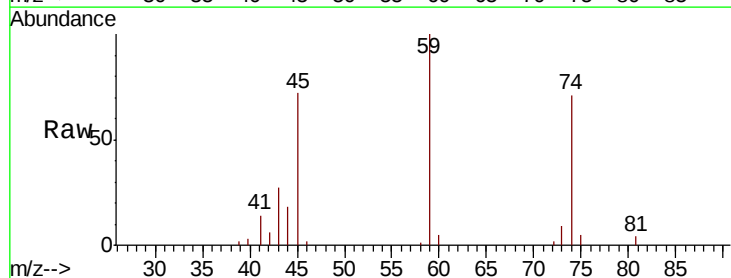
Acq: 19 Sep 2019 18:54

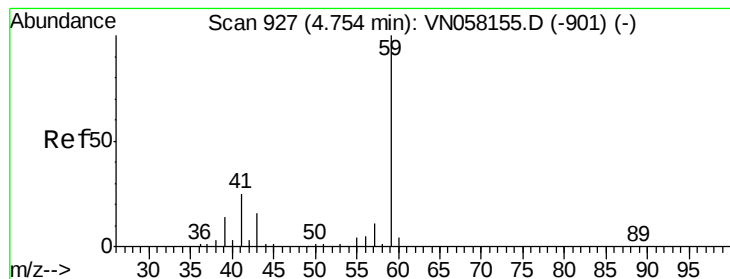
Tgt Ion: 74 Resp: 17038

Ion Ratio Lower Upper

74 100

45 110.1 48.5 145.5





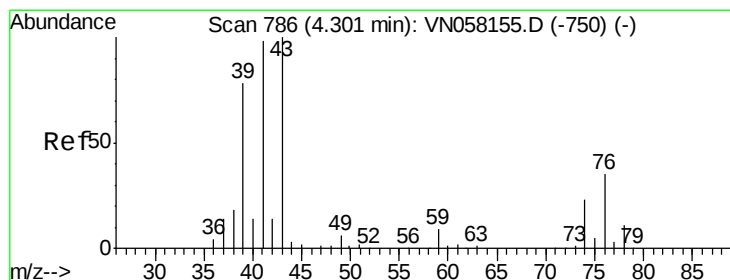
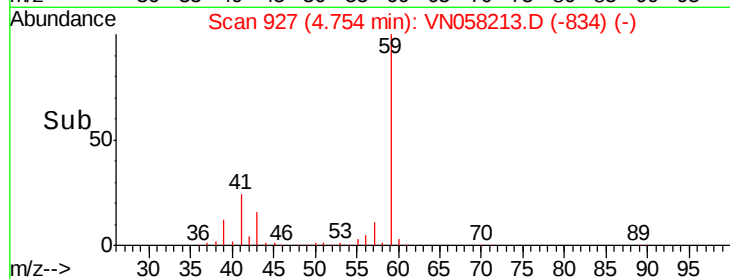
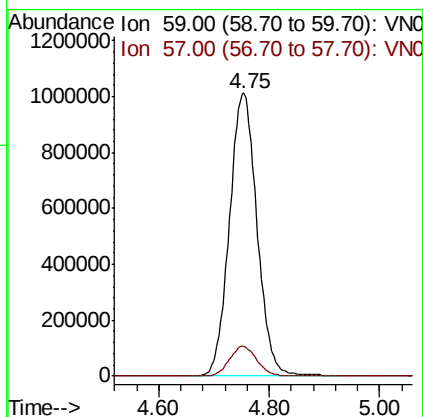
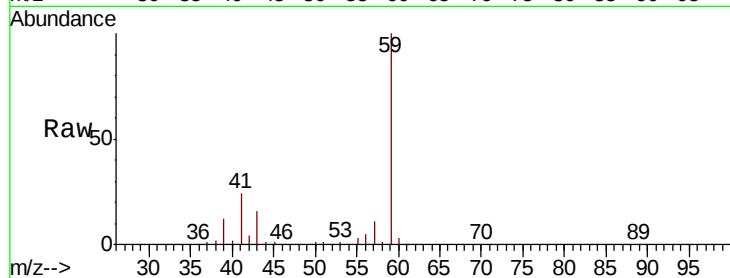
#11

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
 ClientSampled :

Tot Ion: 59 Resp: 3513739

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

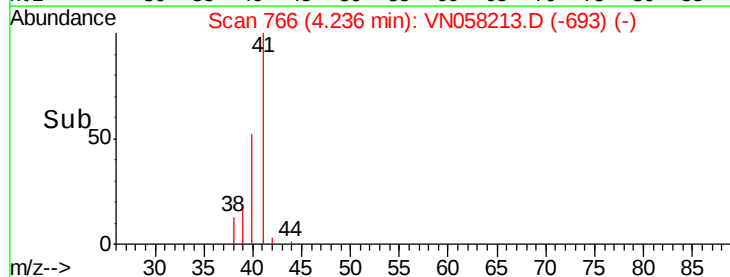
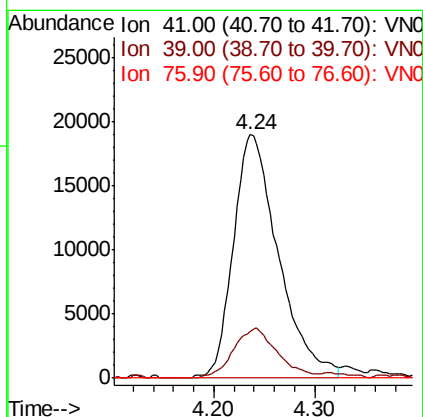
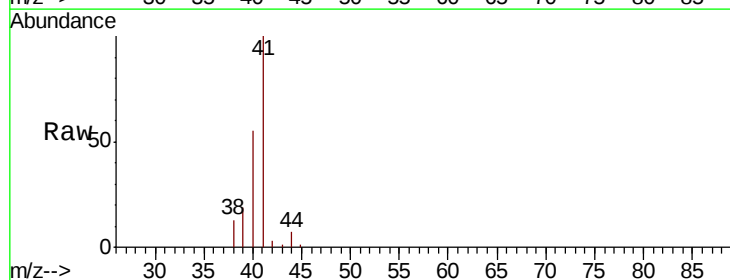


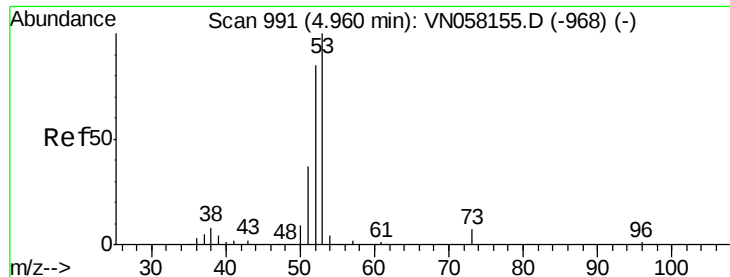
#14

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#





#15

Acrylonitrile

Concen: 16.546 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.21 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampled :

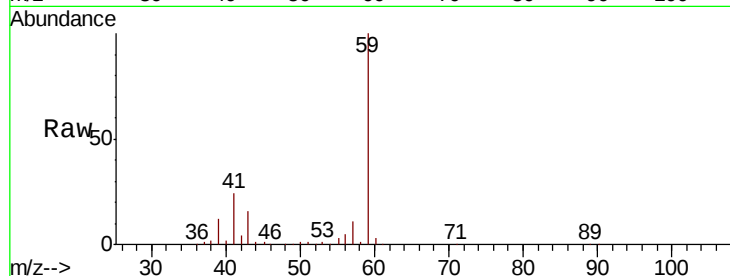
Tot Ion: 53 Resp: 39917

Ion Ratio Lower Upper

53 100

52 14.4 66.6 100.0#

51 101.2 29.7 44.5#

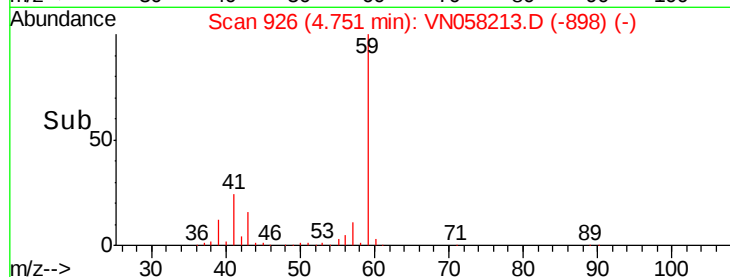


Abundance Ion 53.00 (52.70 to 53.70): VN058213.D (-926) (-)

Ion 52.00 (51.70 to 52.70): VN058213.D (-926) (-)

Ion 51.00 (50.70 to 51.70): VN058213.D (-926) (-)

Time--> 4.60 4.70 4.80 4.90

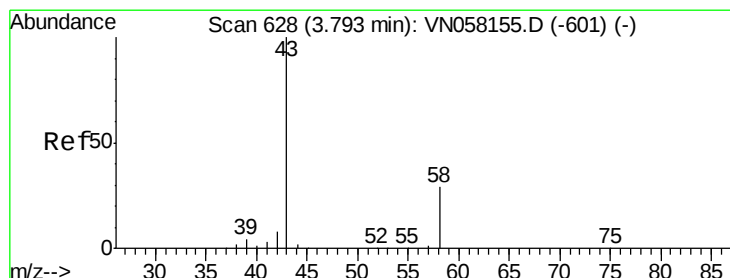


Abundance Ion 53.00 (52.70 to 53.70): VN058213.D (-926) (-)

Ion 52.00 (51.70 to 52.70): VN058213.D (-926) (-)

Ion 51.00 (50.70 to 51.70): VN058213.D (-926) (-)

Time--> 4.60 4.70 4.80 4.90



#16

Acetone

Concen: 25.622 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058213.D

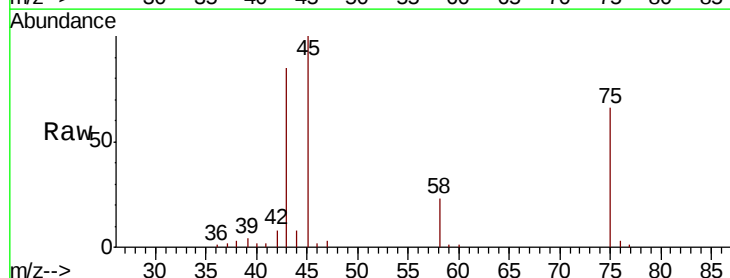
Acq: 19 Sep 2019 18:54

Tgt Ion: 43 Resp: 66207

Ion Ratio Lower Upper

43 100

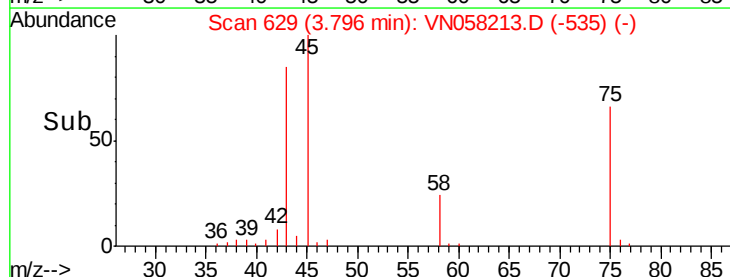
58 27.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058213.D (-629) (-)

Ion 58.00 (57.70 to 58.70): VN058213.D (-629) (-)

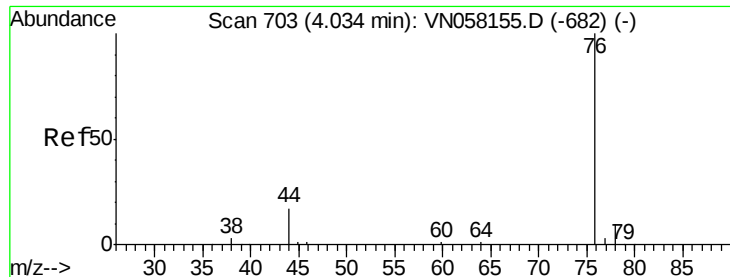
Time--> 3.70 3.80 3.90



Abundance Ion 43.00 (42.70 to 43.70): VN058213.D (-629) (-)

Ion 58.00 (57.70 to 58.70): VN058213.D (-629) (-)

Time--> 3.70 3.80 3.90



#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

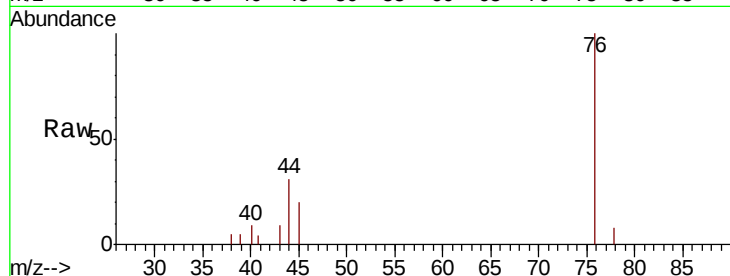
ClientSampled :

Tot Ion: 76 Resp: 12975

Ion Ratio Lower Upper

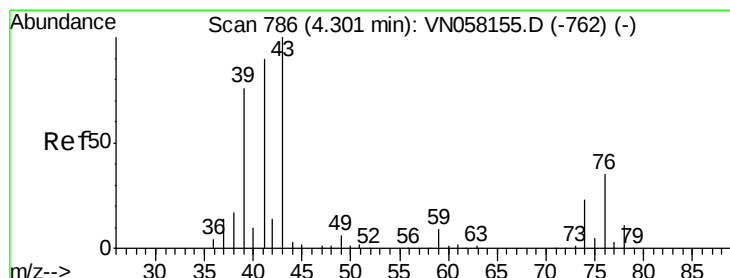
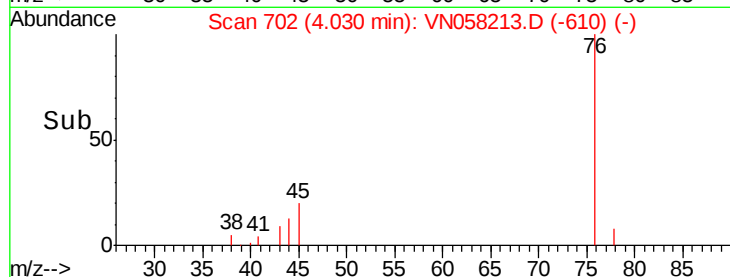
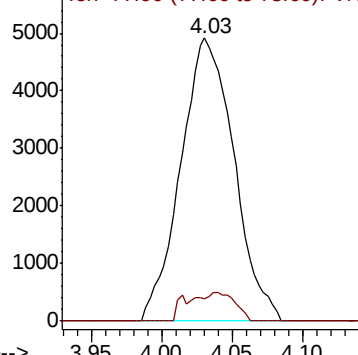
76 100

78 7.7 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 0.316 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN058213.D

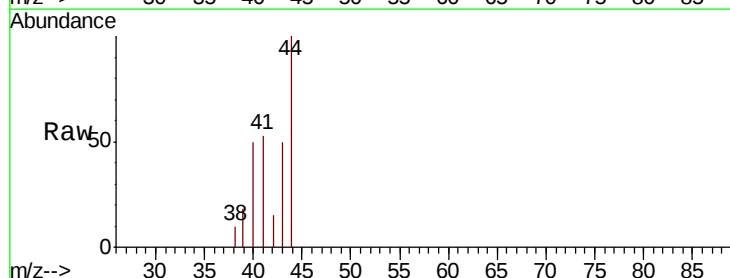
Acq: 19 Sep 2019 18:54

Tgt Ion: 43 Resp: 2149

Ion Ratio Lower Upper

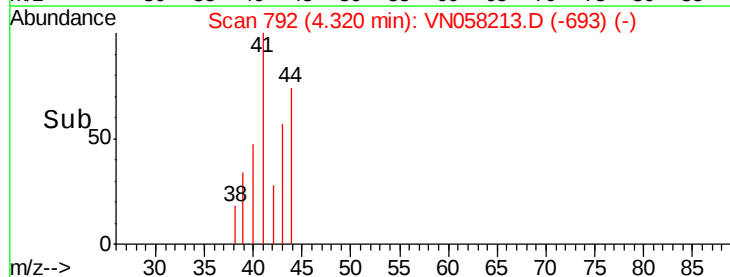
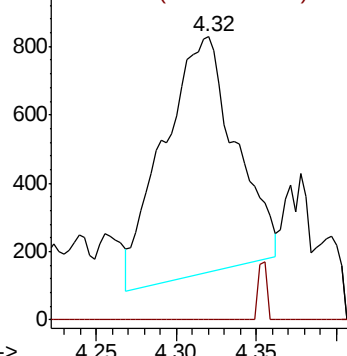
43 100

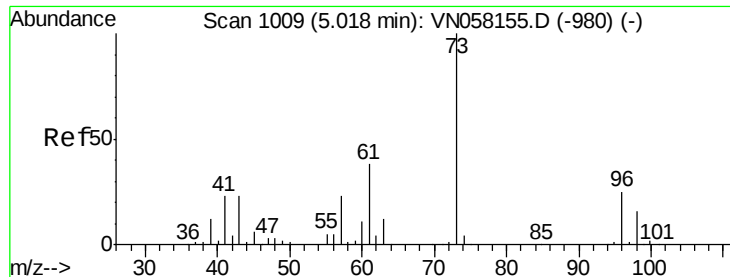
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

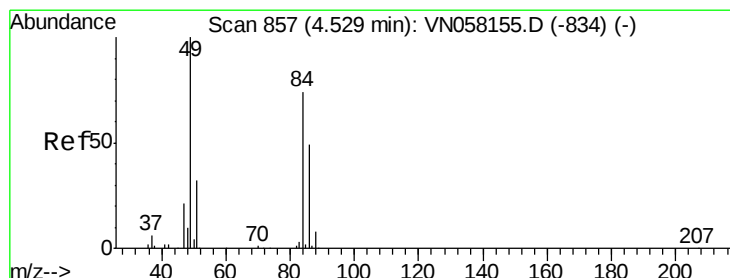
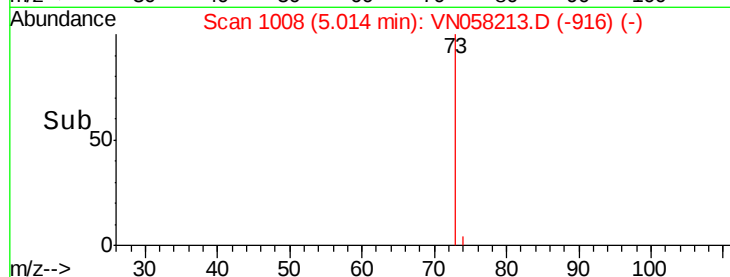
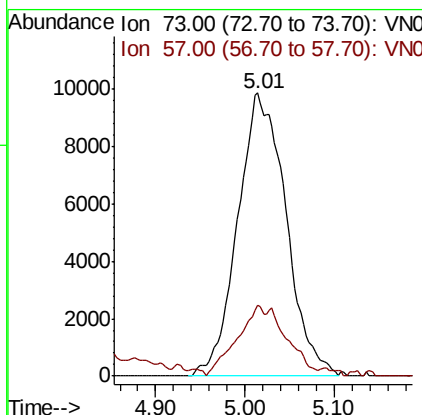
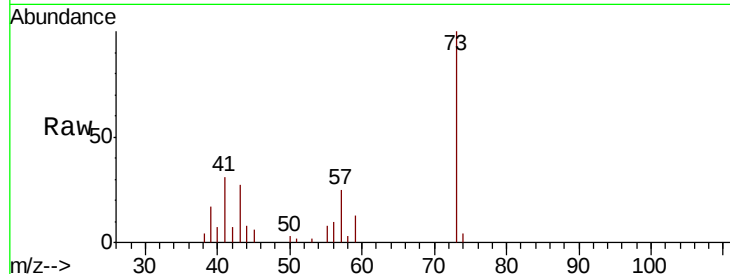




#19
Methyl tert-butyl Ether
Concen: 2.229 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

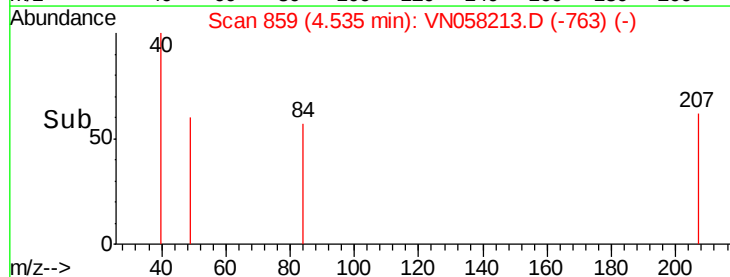
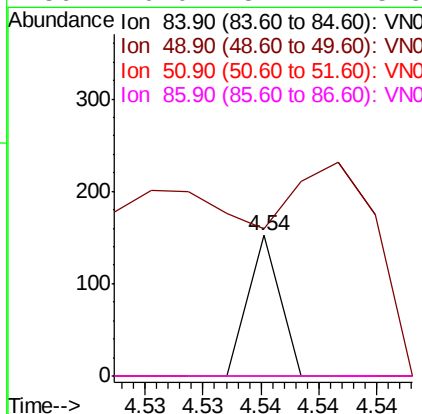
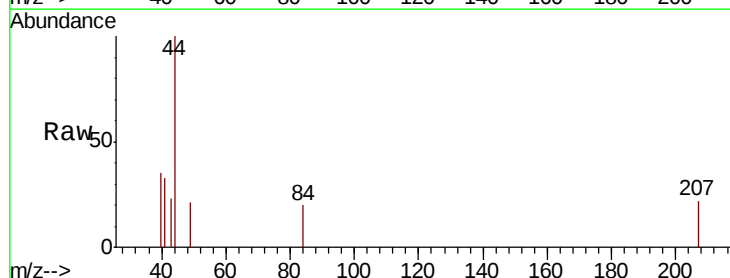
Instrument :
MSVOA_N
ClientSampled :

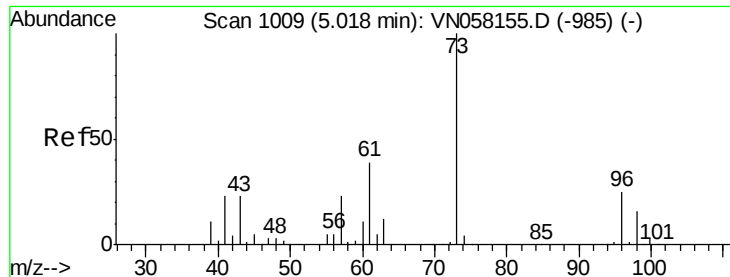
Tot Ion: 73 Resp: 37145
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#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

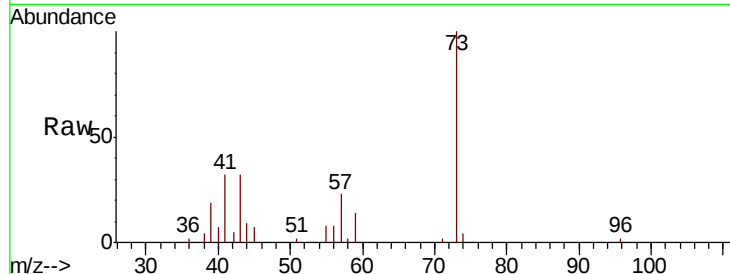
Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

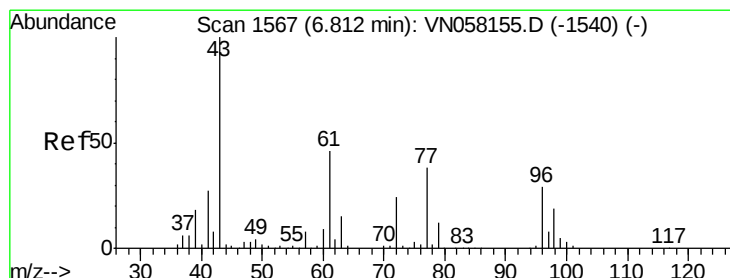
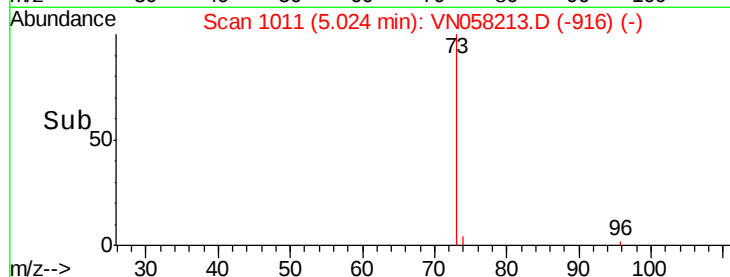
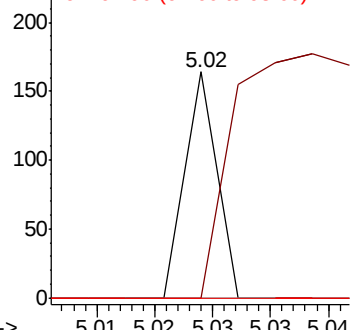
Instrument :
MSVOA_N
ClientSampleId :

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): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#25

2-Butanone

Concen: 53.024 ug/l

RT: 6.80 min Scan# 1563

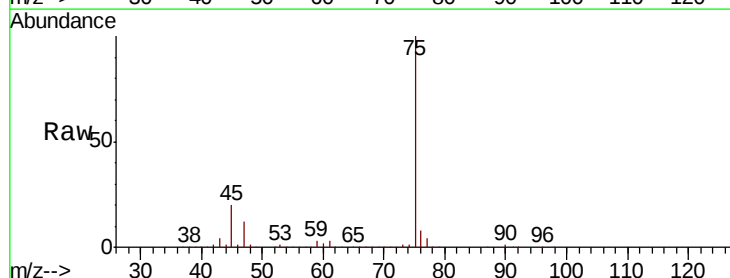
Delta R.T. -0.01 min

Lab File: VN058213.D

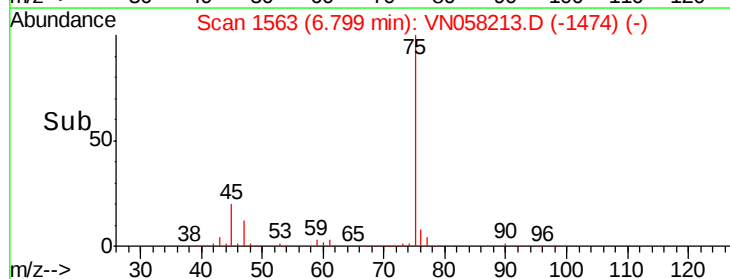
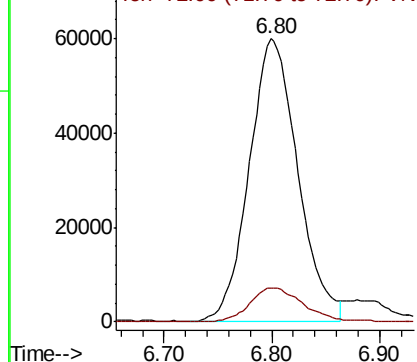
Acq: 19 Sep 2019 18:54

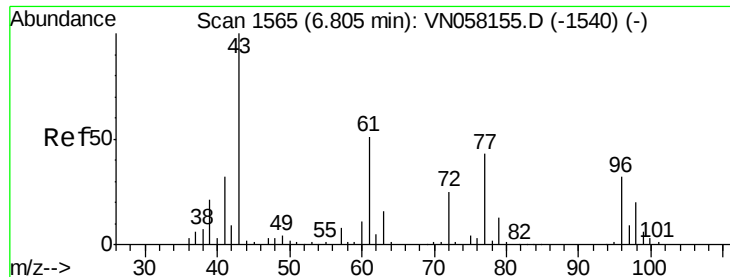
Tgt Ion: 43 Resp: 186662

Ion	Ratio	Lower	Upper
43	100		
72	12.1	19.5	29.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#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

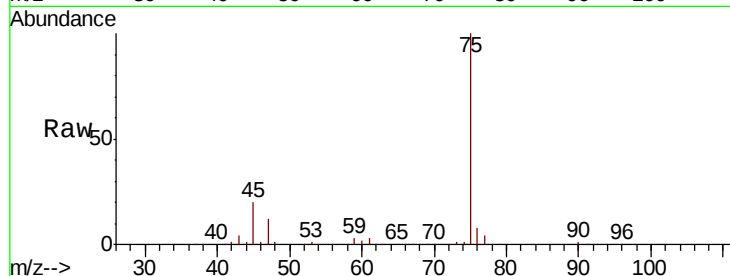
ClientSampleId :

Tot Ion: 77 Resp: 216303

Ion Ratio Lower Upper

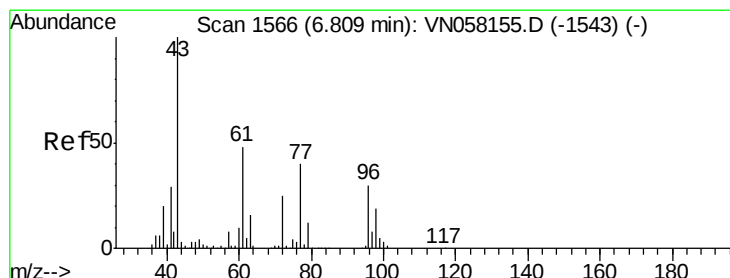
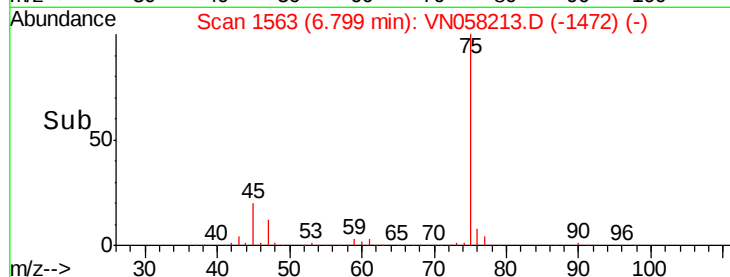
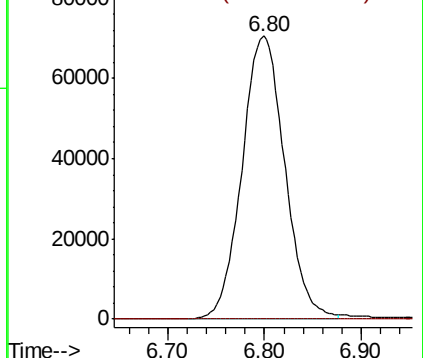
77 100

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

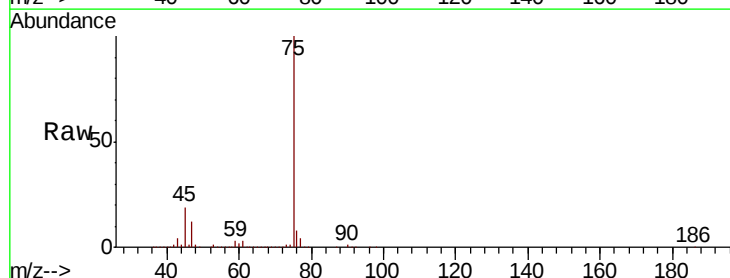
Tgt Ion: 96 Resp: 1408

Ion Ratio Lower Upper

96 100

61 10548.7 0.0 319.0#

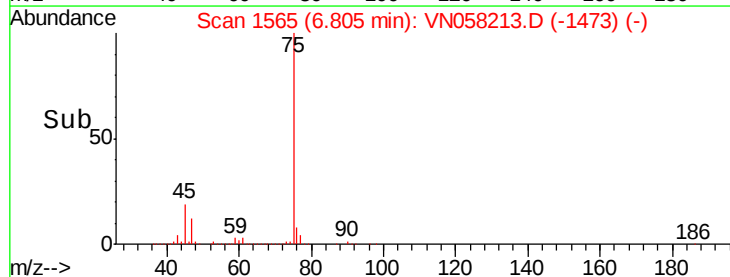
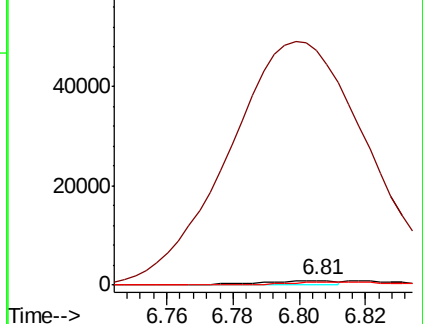
98 28.2 0.0 126.6

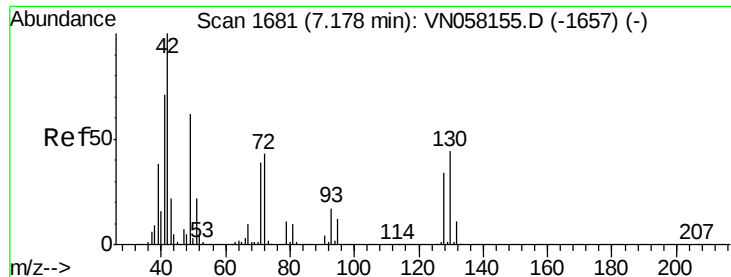


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

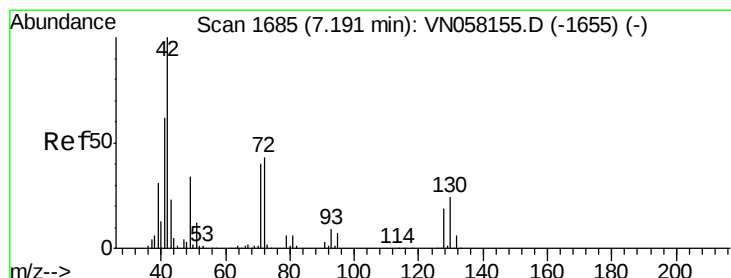
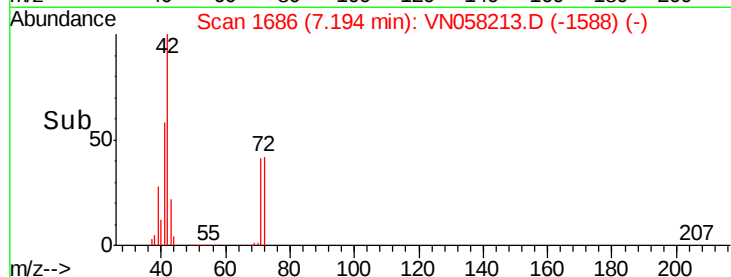
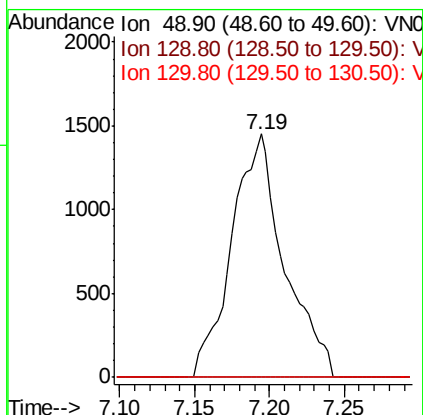
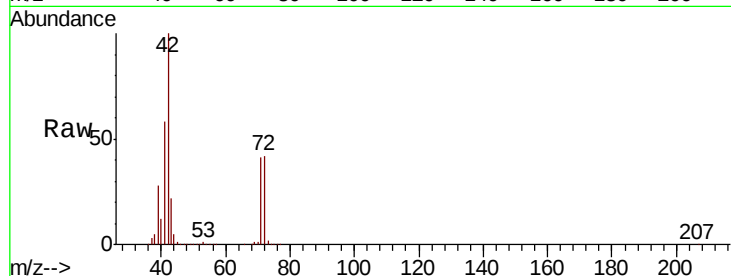




#28
Bromochloromethane
Concen: 0.766 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

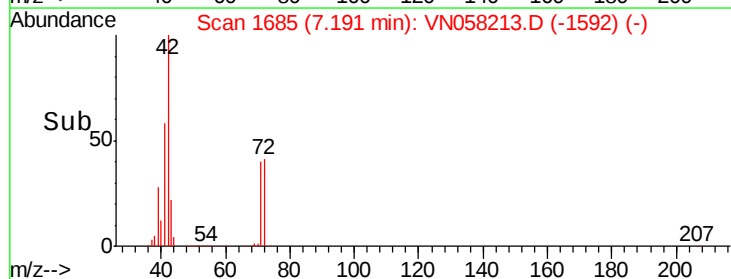
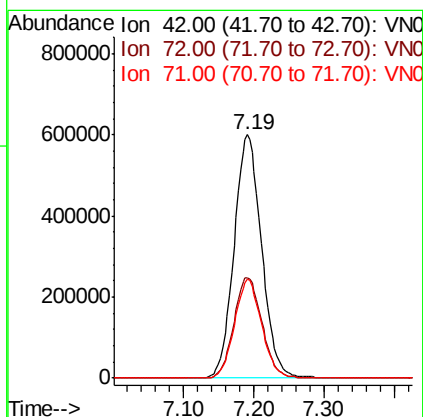
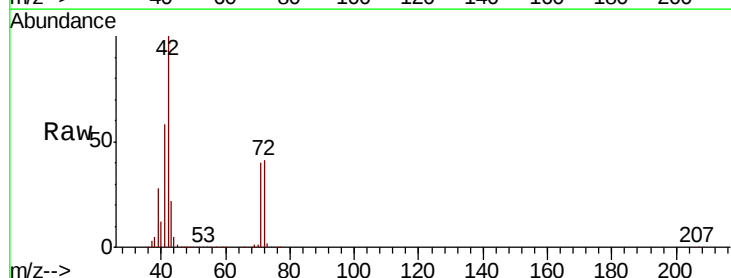
Instrument :
MSVOA_N
ClientSampleId :

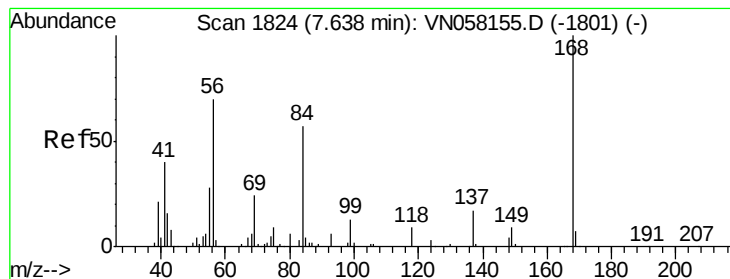
Tot Ion: 49 Resp: 3552
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 0.0 55.4 83.2#



#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

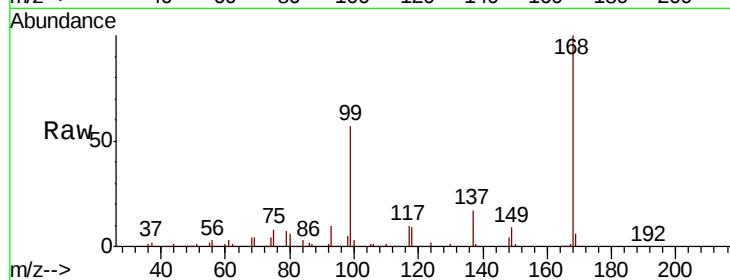
Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

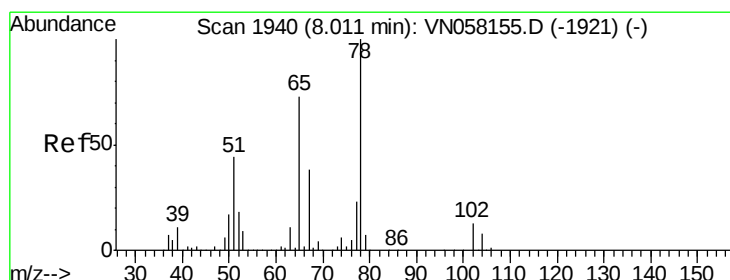
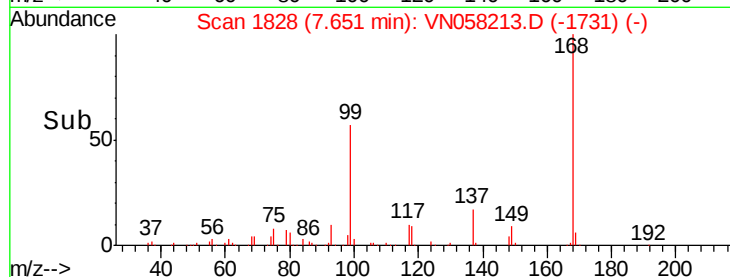
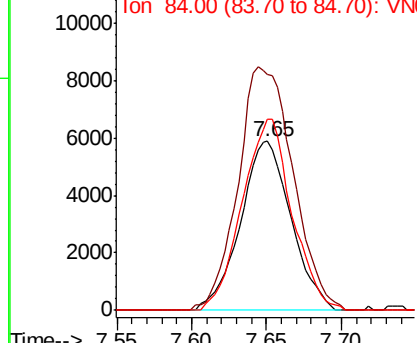
Instrument :
MSVOA_N
ClientSampled :

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

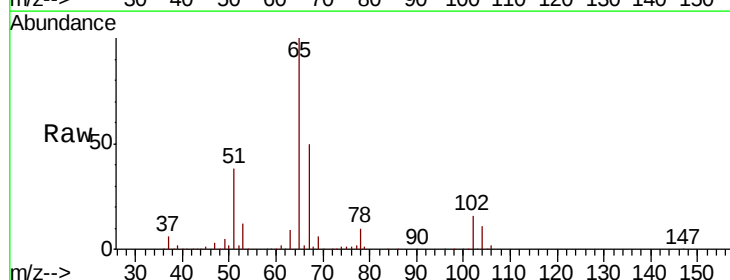
Delta R.T. -0.00 min

Lab File: VN058213.D

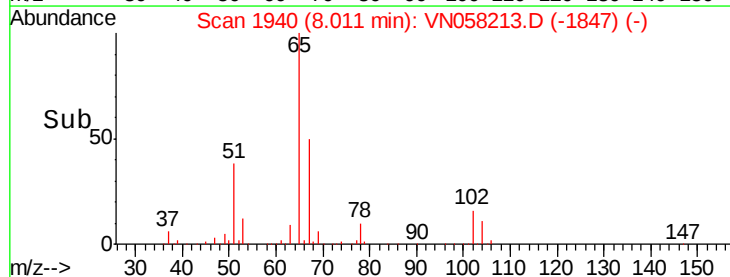
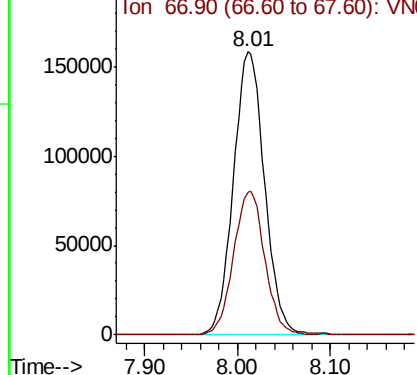
Acq: 19 Sep 2019 18:54

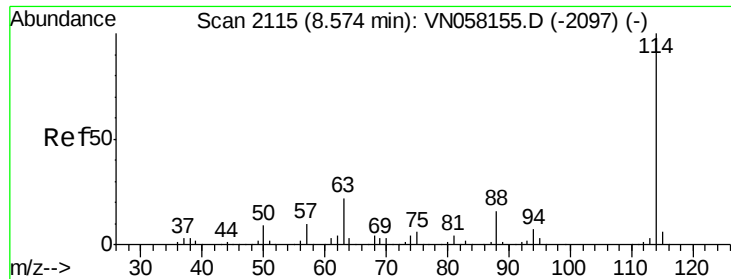
Tgt Ion: 65 Resp: 368901

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

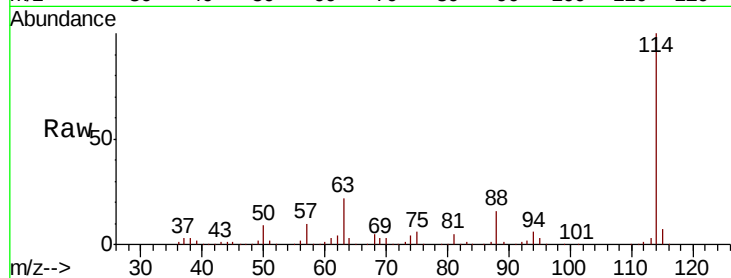




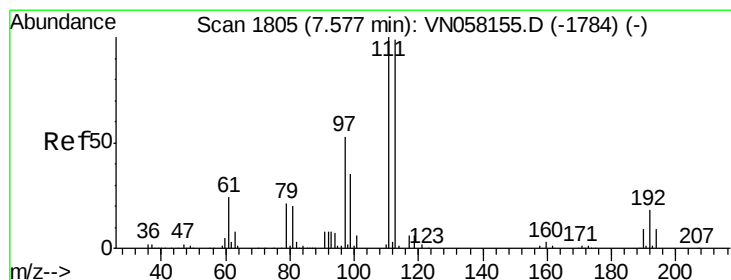
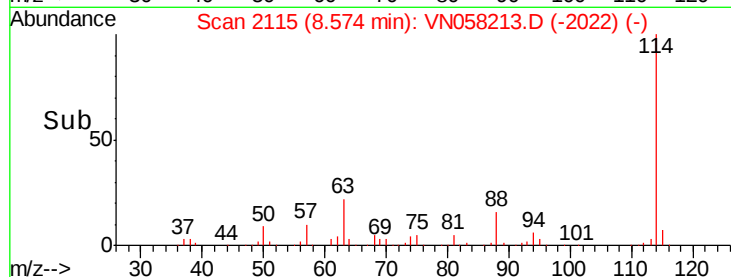
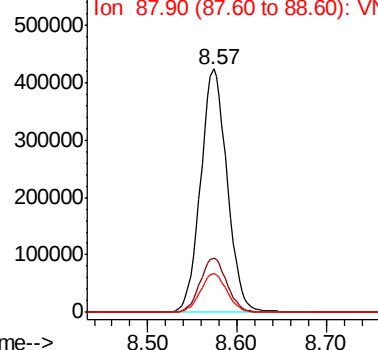
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :

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

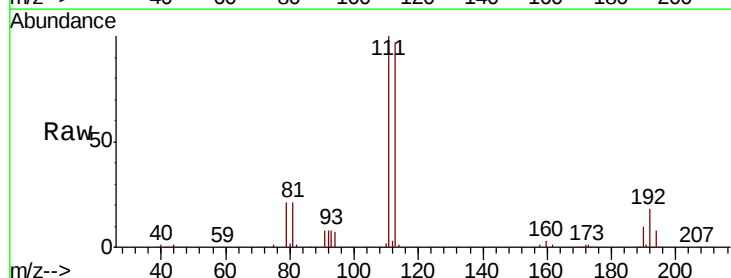


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

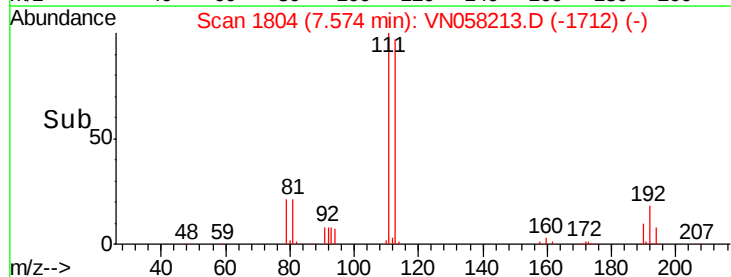
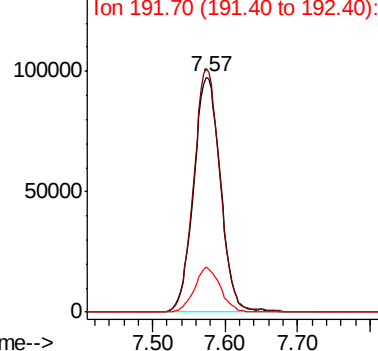


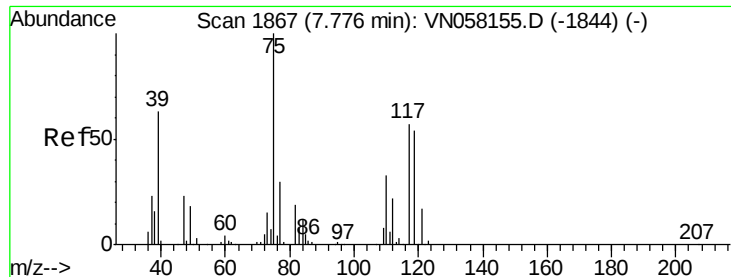
#35
Dibromofluoromethane
Concen: 47.355 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

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

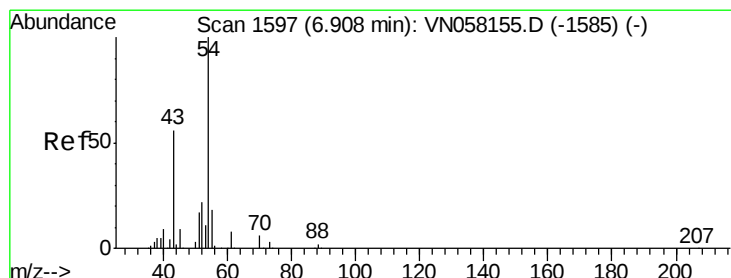
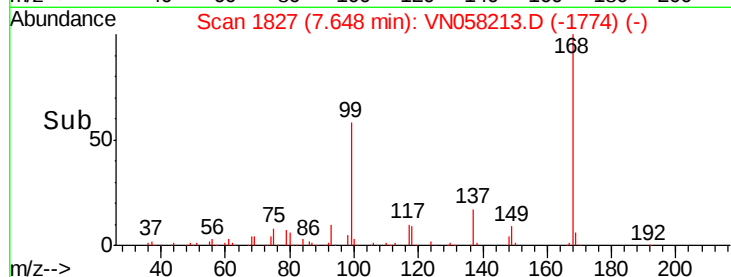
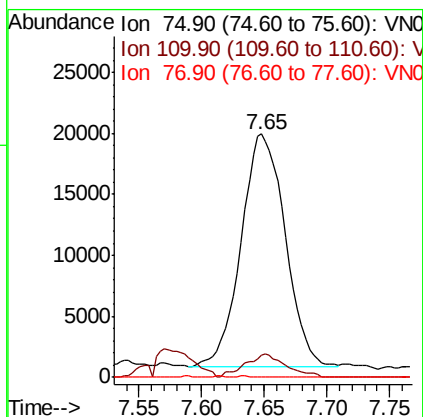
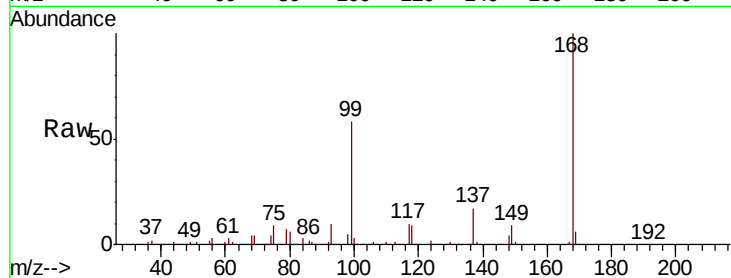




#36
 1,1-Dichloropropene
 Concen: 7.385 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058213.D
 Acq: 19 Sep 2019 18:54

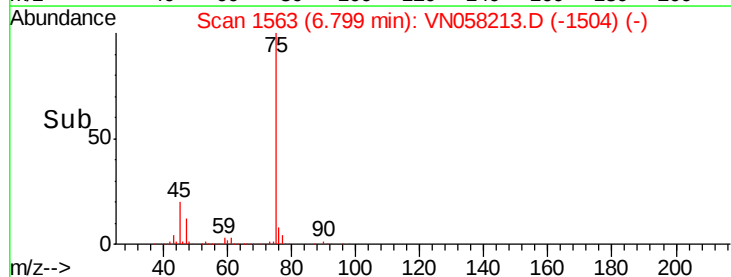
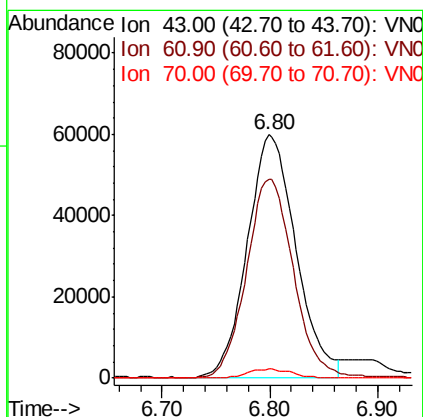
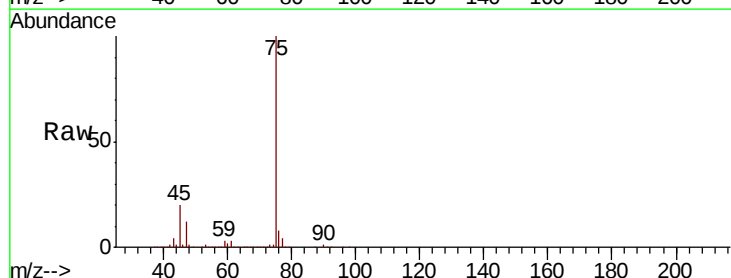
Instrument :
 MSVOA_N
 ClientSampled :

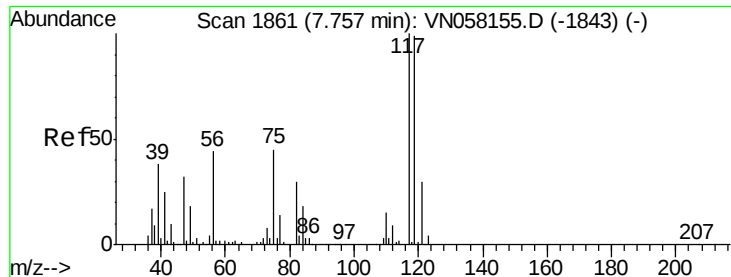
Tot Ion	75	Resp	46445
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	16.6	49.7#
77	0.0	24.3	36.5#



#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	43	Resp	186662
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	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

ClientSampled :

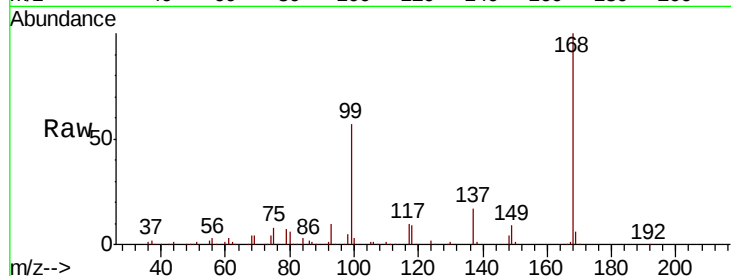
Tot Ion:117 Resp: 55394

Ion Ratio Lower Upper

117 100

119 3.6 78.6 117.8#

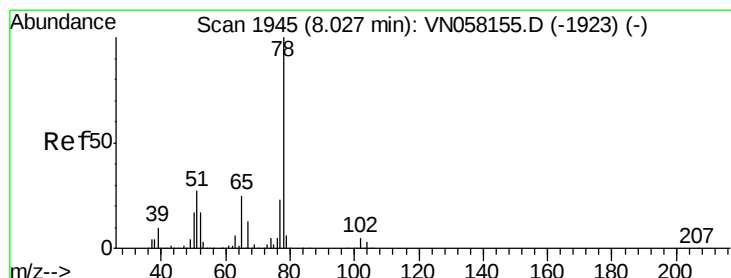
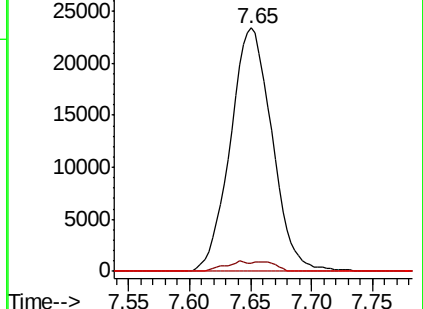
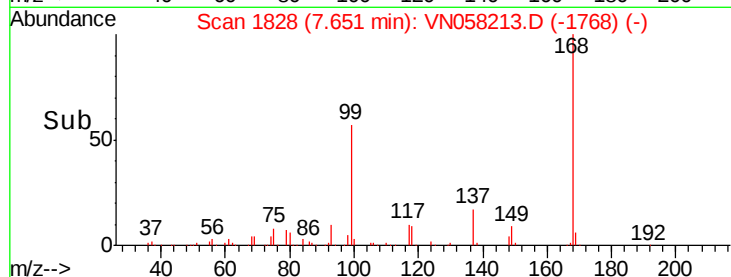
121 0.0 24.1 36.1#



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

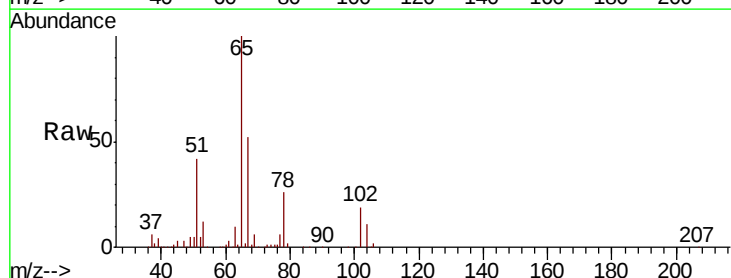
Acq: 19 Sep 2019 18:54

Tgt Ion: 78 Resp: 62440

Ion Ratio Lower Upper

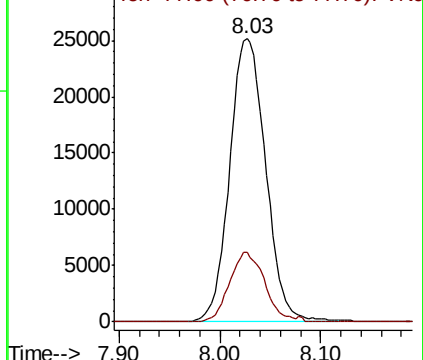
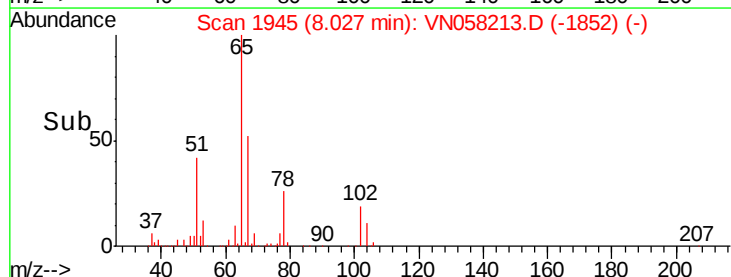
78 100

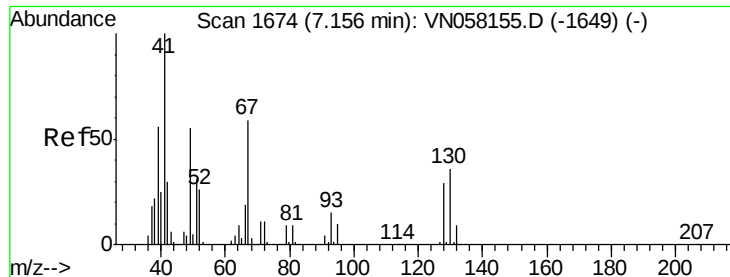
77 24.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V

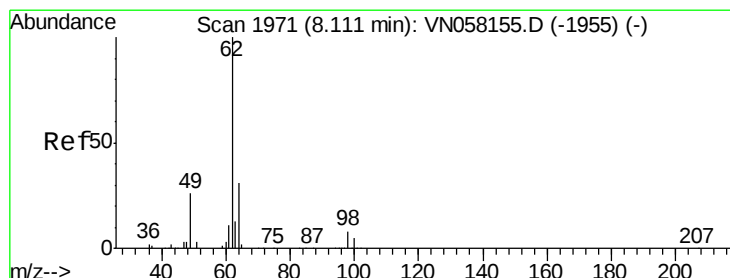
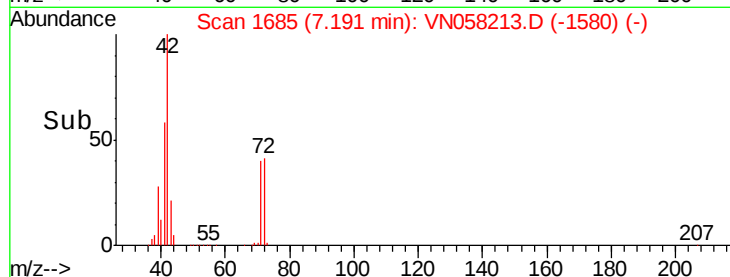
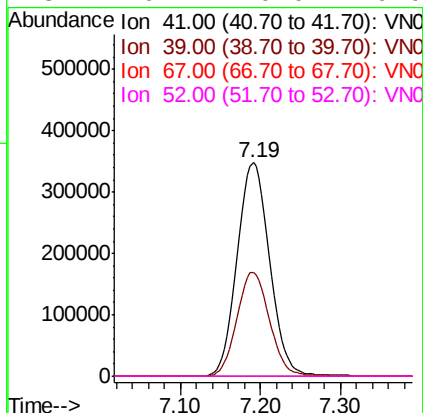
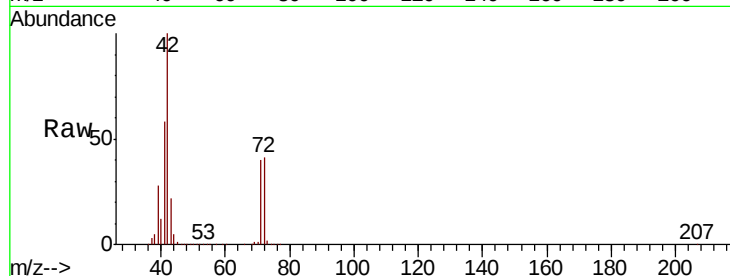




#41
Methacrylonitrile
Concen: 286.326 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

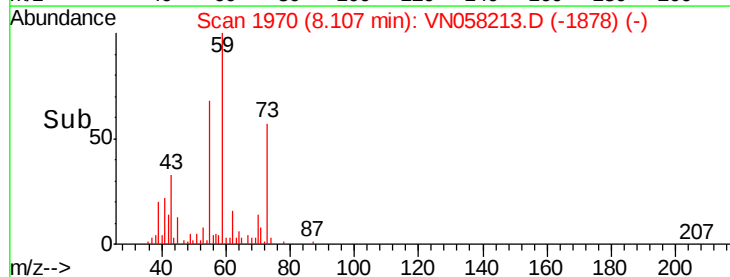
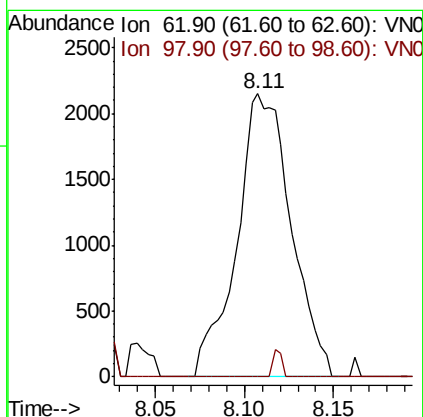
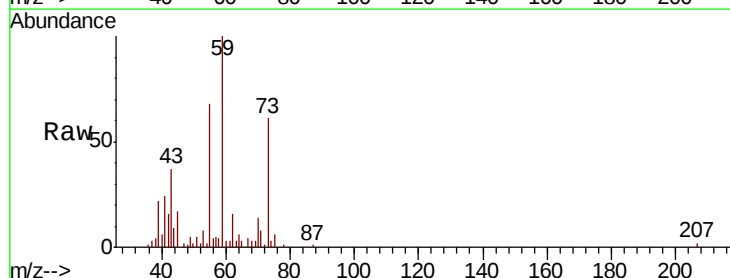
Instrument :
MSVOA_N
ClientSampled :

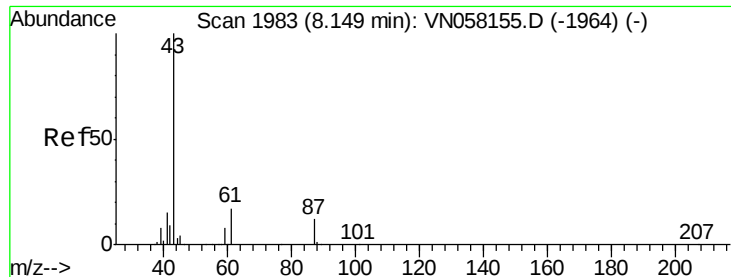
Tot Ion: 41 Resp: 955879
Ion Ratio Lower Upper
41 100
39 48.9 0.0 0.0#
67 0.0 0.0 0.0
52 0.1 0.0 0.0#



#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

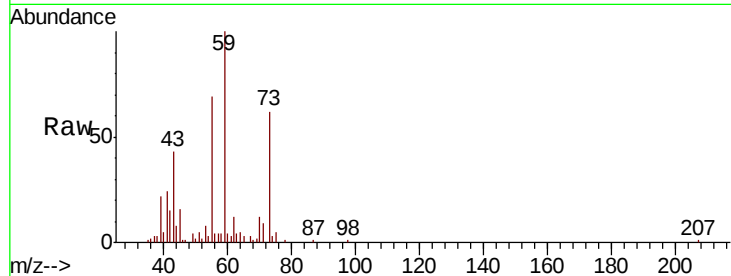
Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 14594

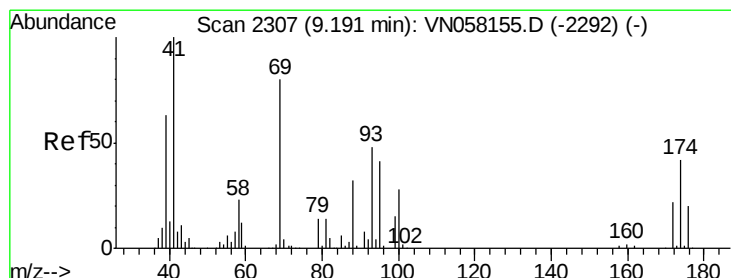
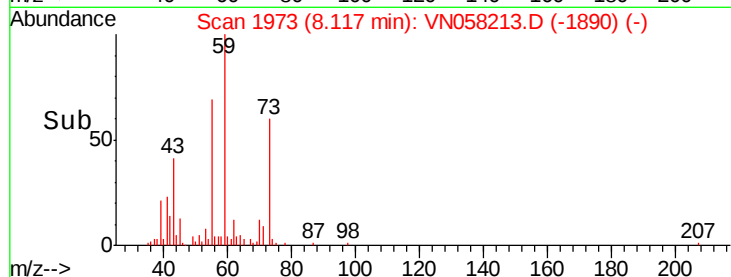
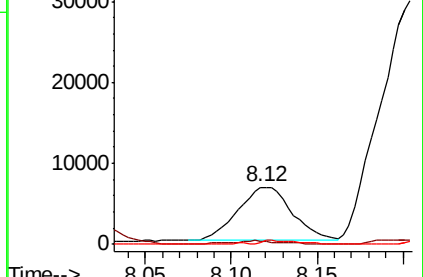
Ion	Ratio	Lower	Upper
43	100		
61	5.1	19.7	29.5#
87	4.3	9.4	14.2#



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

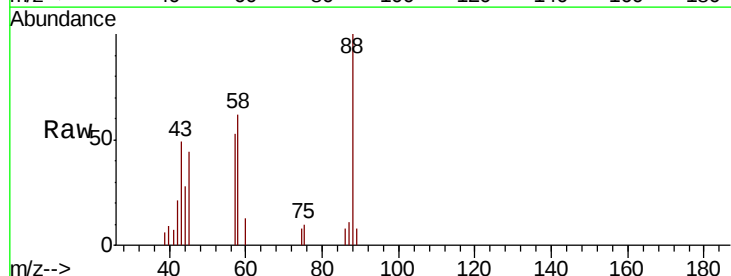
Delta R.T. -0.00 min

Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Tgt Ion: 88 Resp: 7995

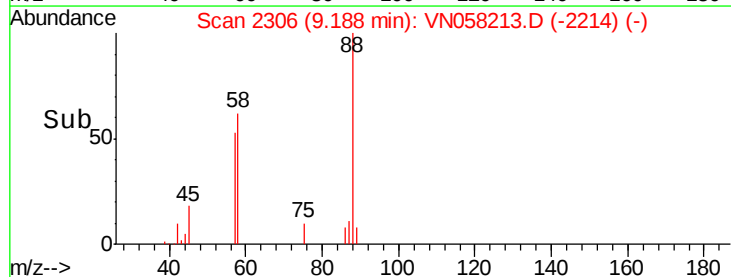
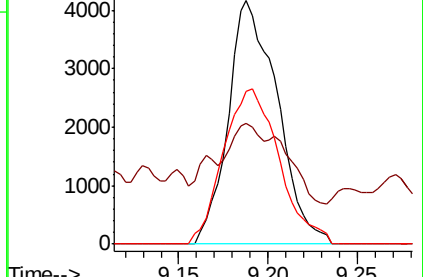
Ion	Ratio	Lower	Upper
88	100		
43	36.8	27.8	41.8
58	72.3	55.0	82.4

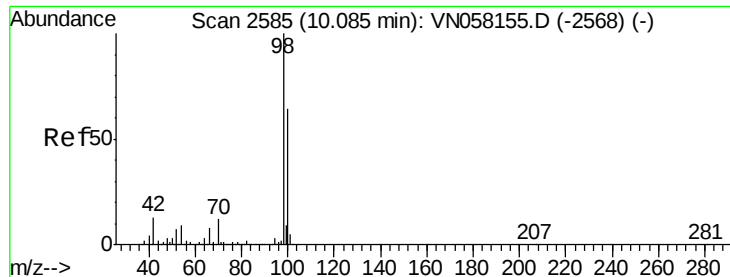


Abundance Ion 88.00 (87.70 to 88.70): VN0

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

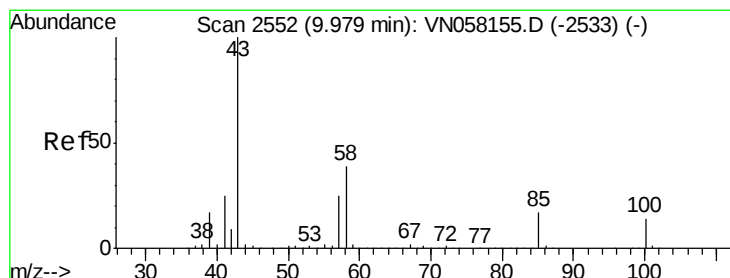
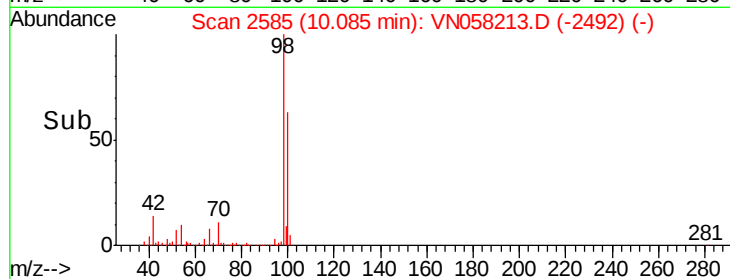
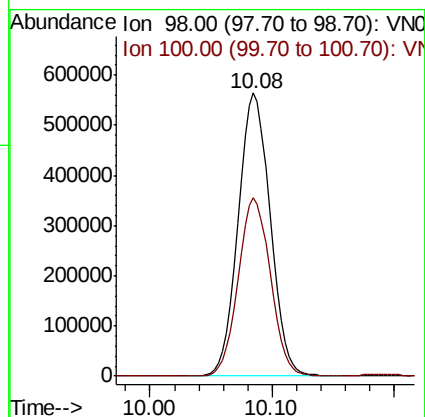
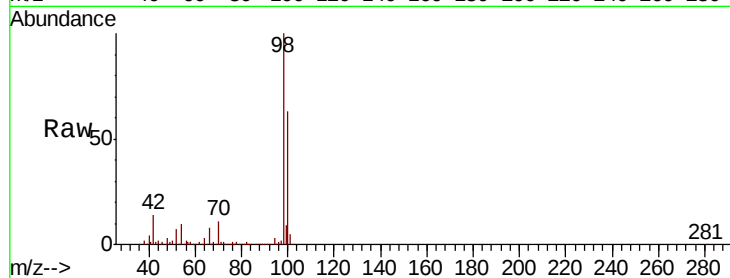
ClientSampleId :

Tot Ion: 98 Resp: 1025290

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#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

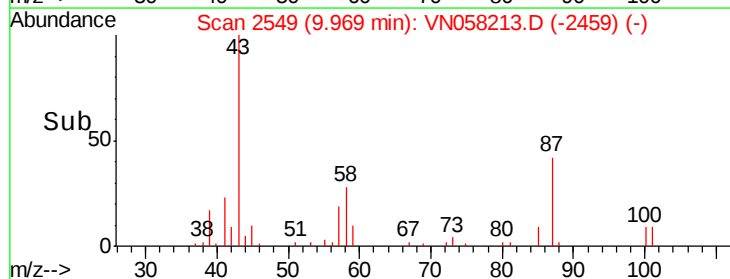
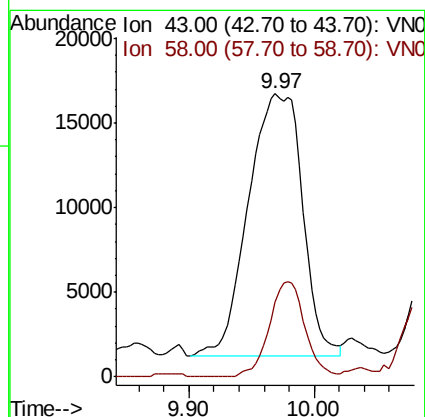
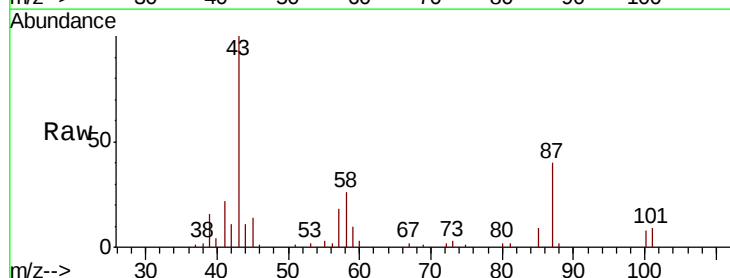
Acq: 19 Sep 2019 18:54

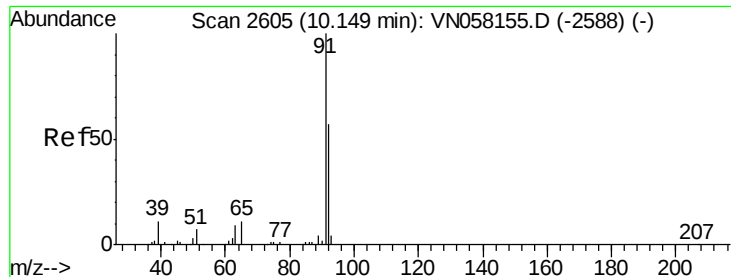
Tgt Ion: 43 Resp: 46491

Ion Ratio Lower Upper

43 100

58 23.9 30.2 45.4#





#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

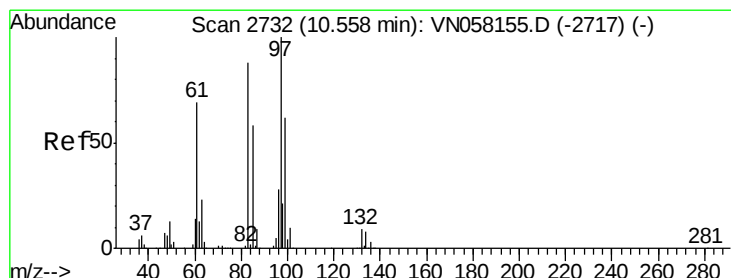
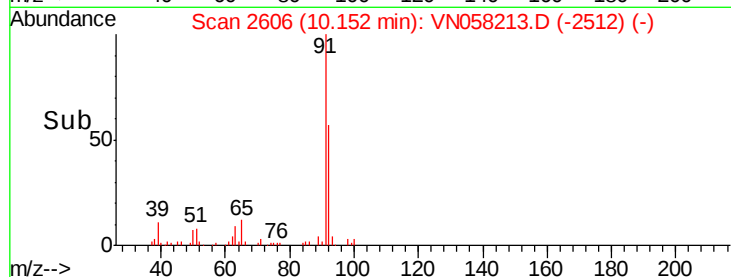
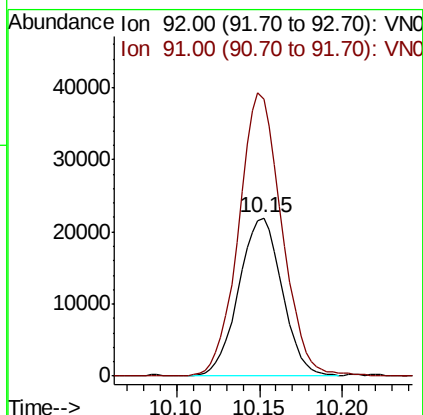
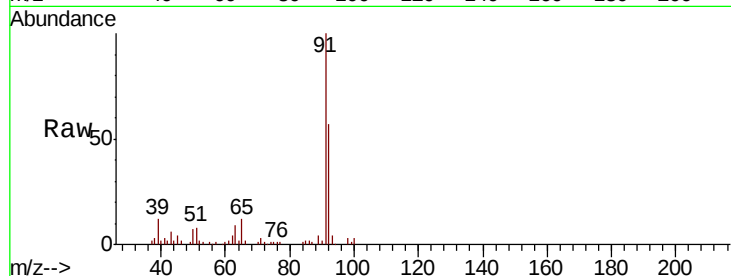
ClientSampleId :

Tot Ion: 92 Resp: 39907

Ion Ratio Lower Upper

92 100

91 177.7 140.2 210.2



#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

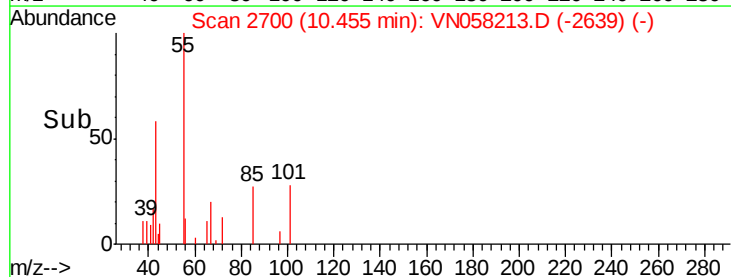
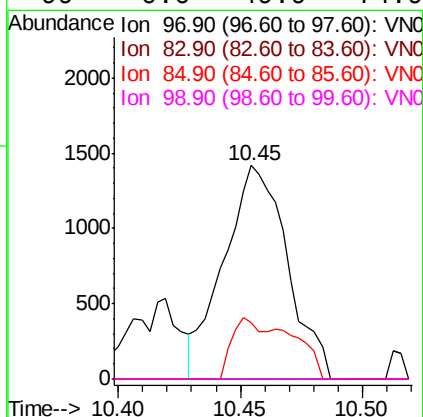
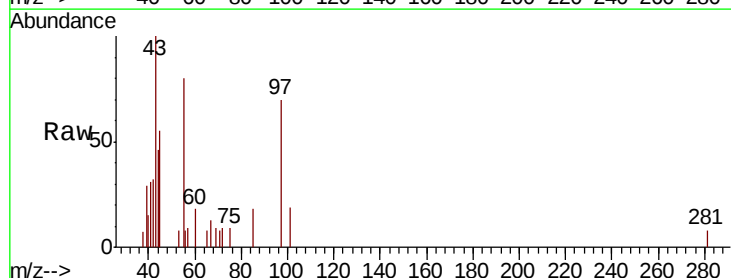
Ion Ratio Lower Upper

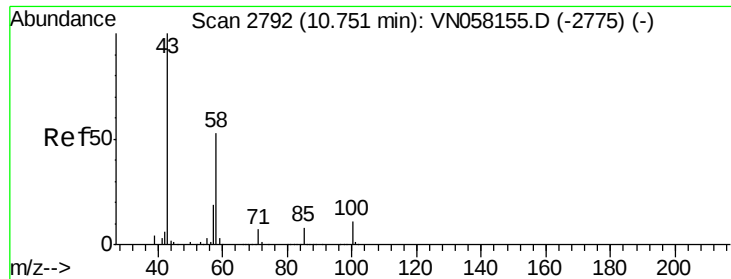
97 100

83 0.0 70.4 105.6#

85 26.2 46.8 70.2#

99 0.0 49.9 74.9#

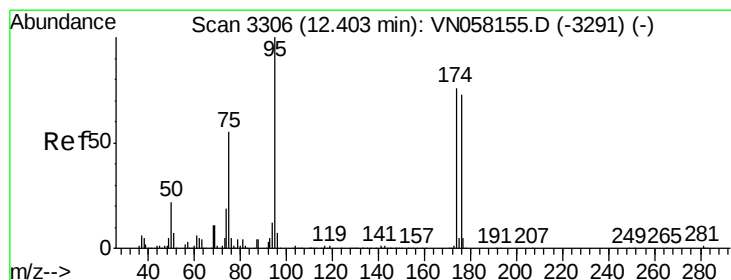
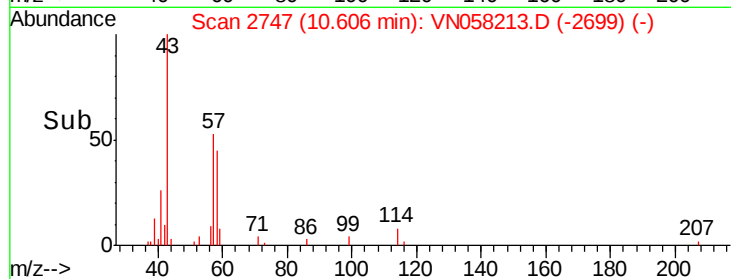
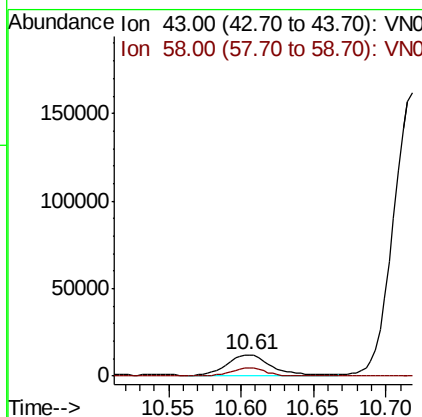
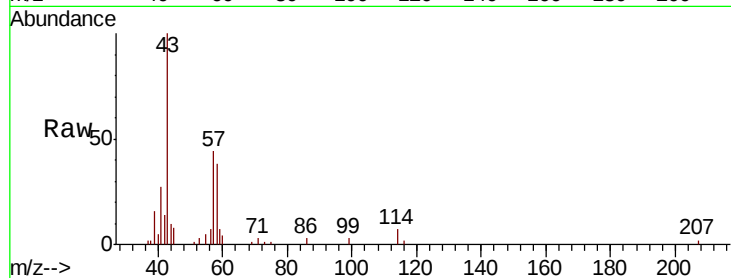




#59
2-Hexanone
Concen: 4.985 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.14 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

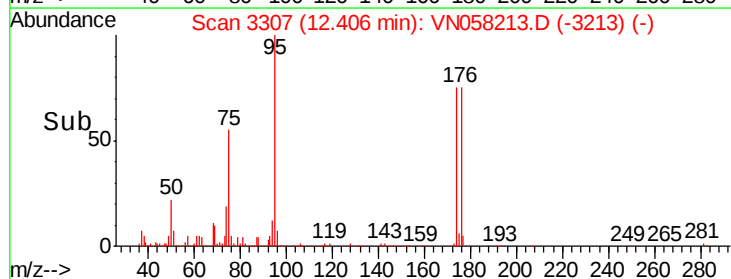
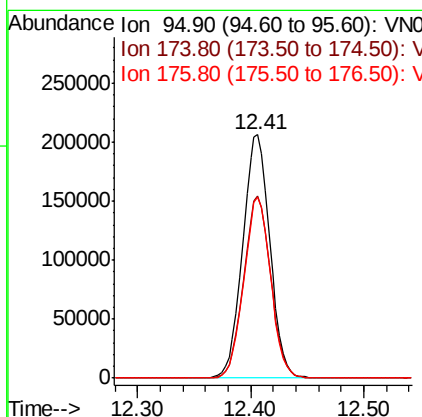
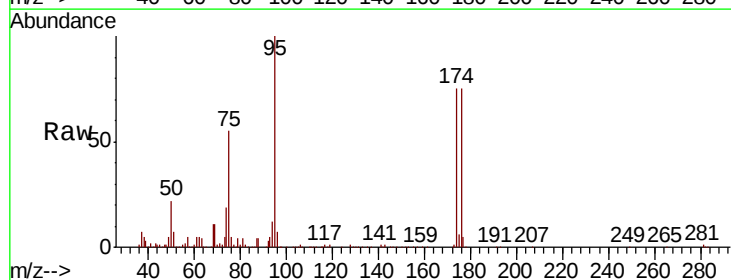
Instrument :
MSVOA_N
ClientSampleId :

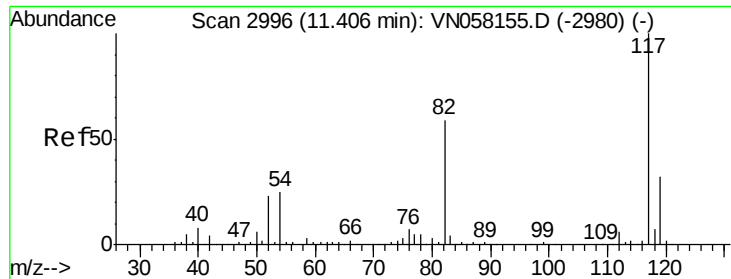
Tot Ion: 43 Resp: 23969
Ion Ratio Lower Upper
43 100
58 33.0 26.0 78.0



#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

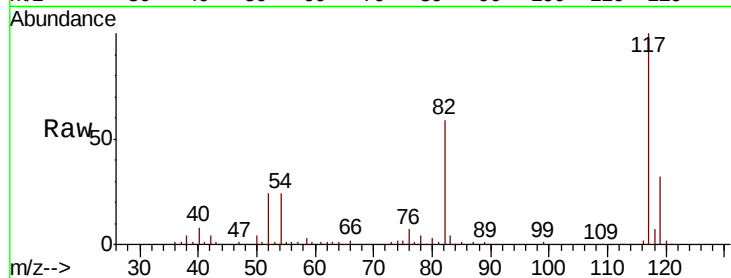




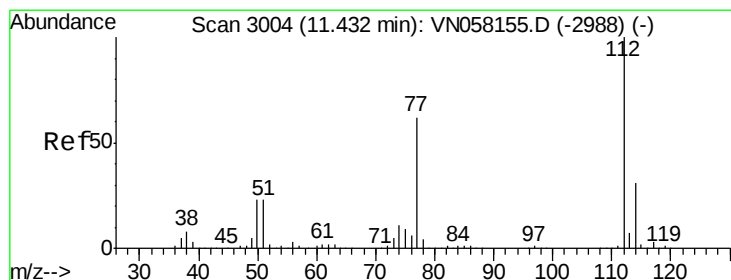
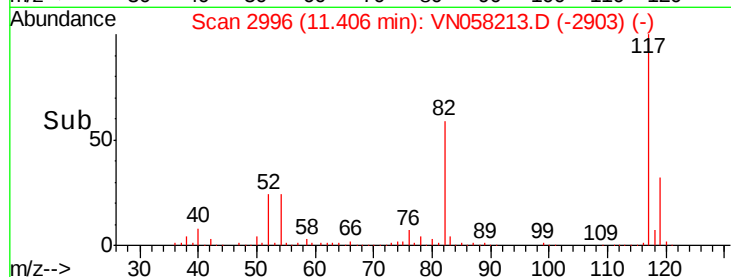
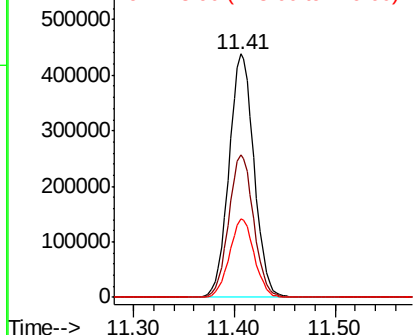
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :

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

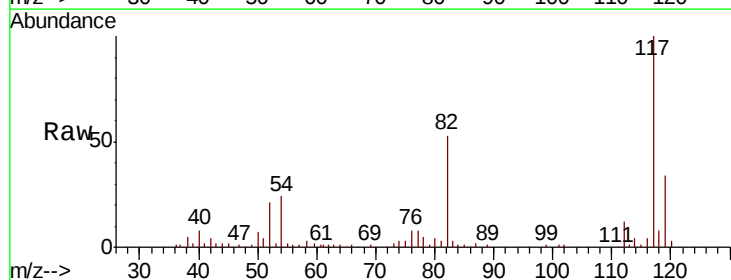


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

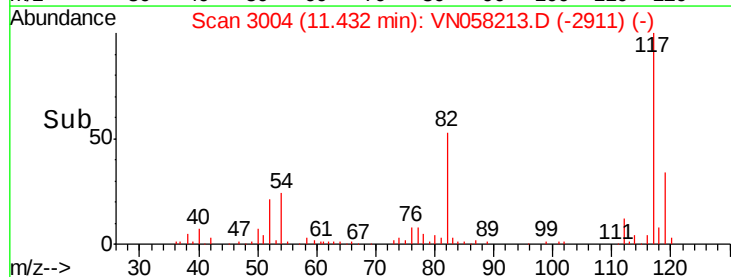
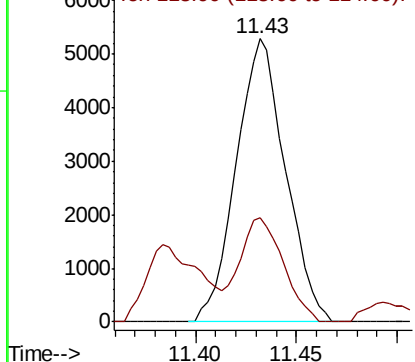


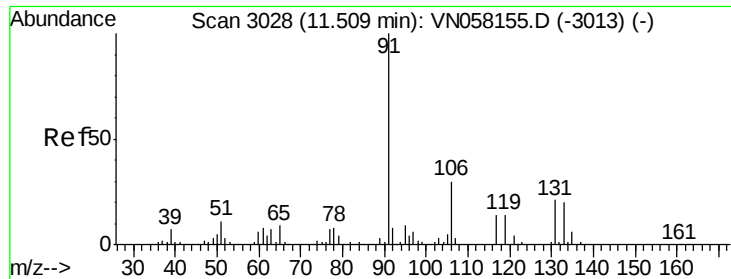
#65
Chlorobenzene
Concen: 0.677 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

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

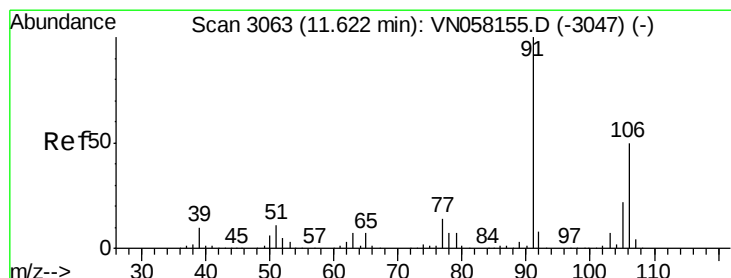
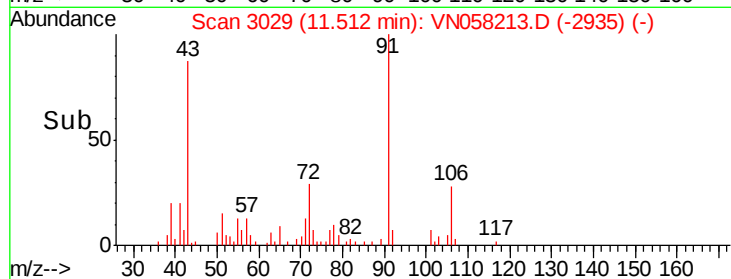
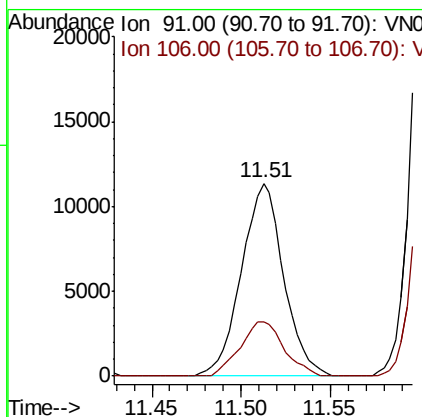
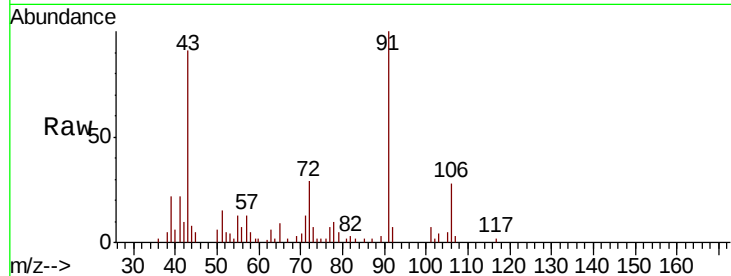




#67
Ethyl Benzene
Concen: 0.821 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

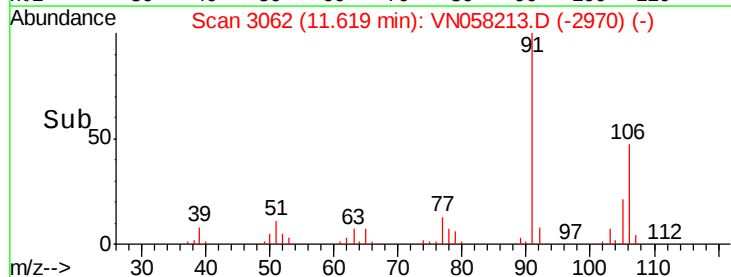
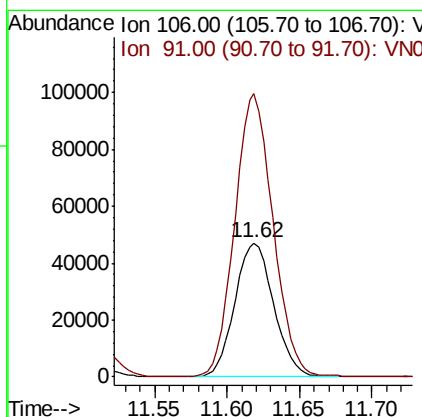
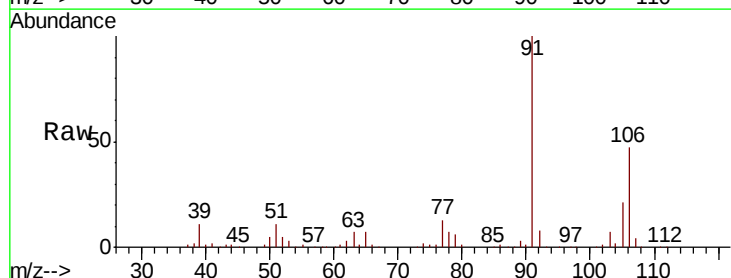
Instrument :
MSVOA_N
ClientSampled :

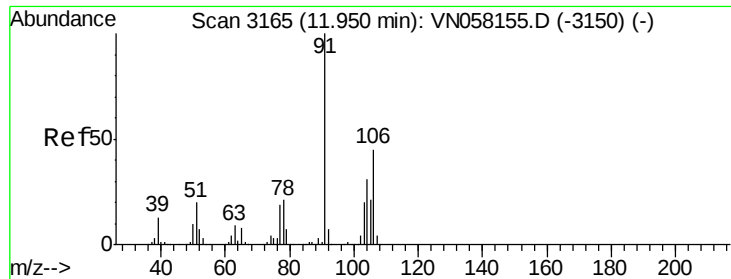
Tot Ion: 91 Resp: 18737
Ion Ratio Lower Upper
91 100
106 28.3 24.0 36.0



#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

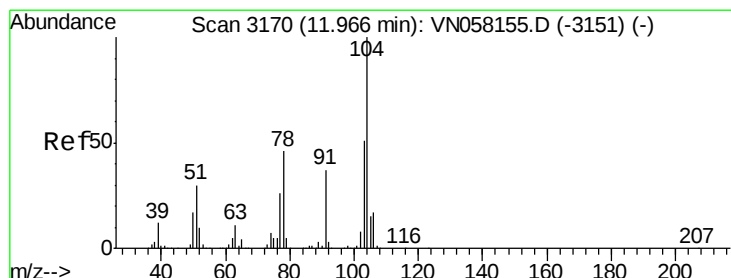
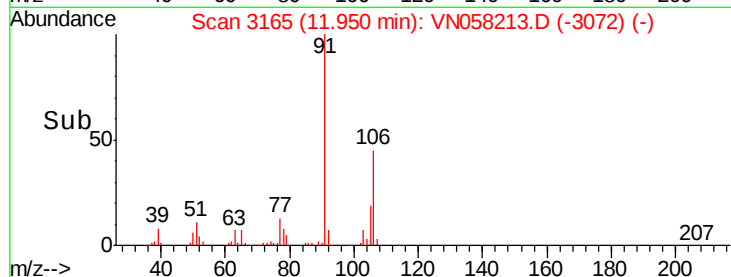
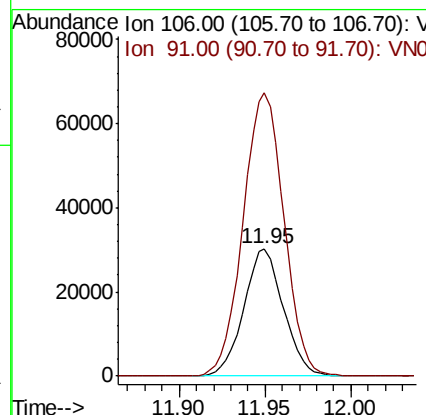
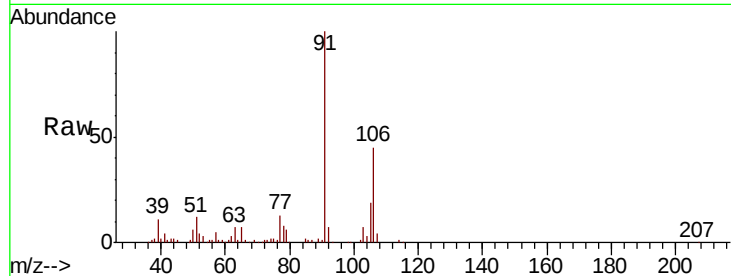




#69
o-Xylene
Concen: 5.720 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

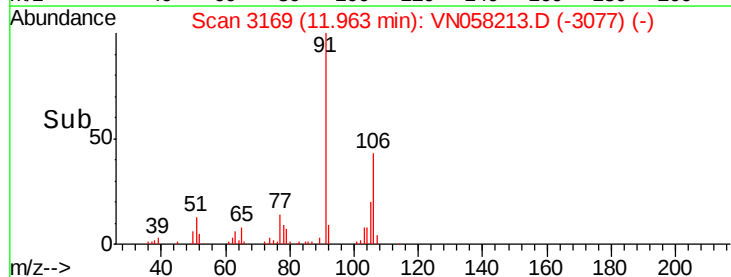
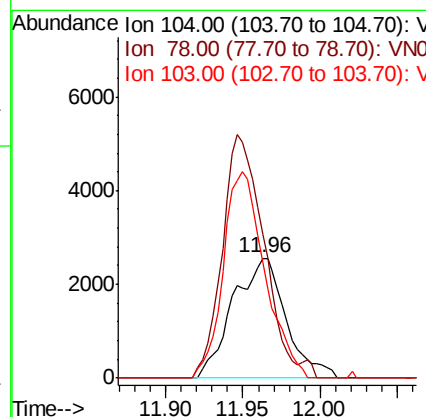
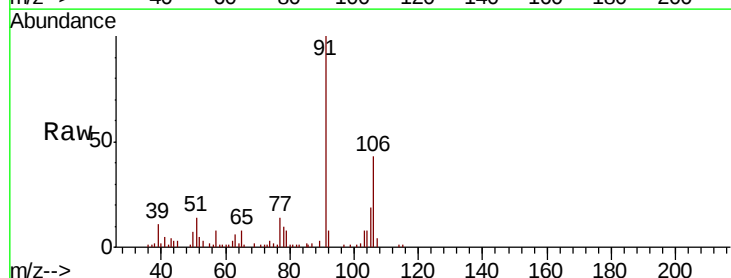
Instrument :
MSVOA_N
ClientSampleId :

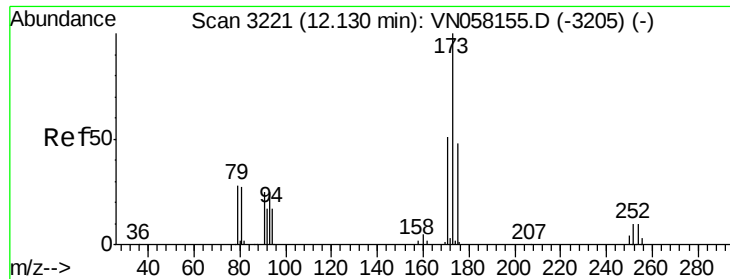
Tot Ion:106 Resp: 48339
Ion Ratio Lower Upper
106 100
91 230.2 111.8 335.3



#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#





#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 :

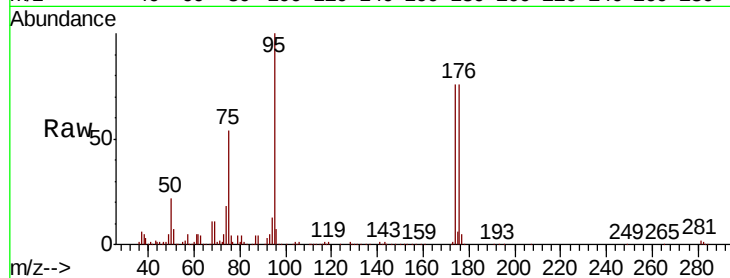
Tot Ion:173 Resp: 2387

Ion Ratio Lower Upper

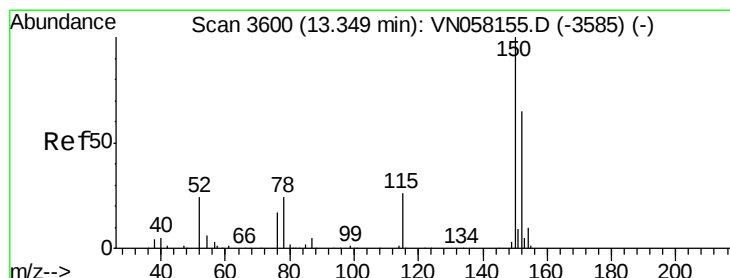
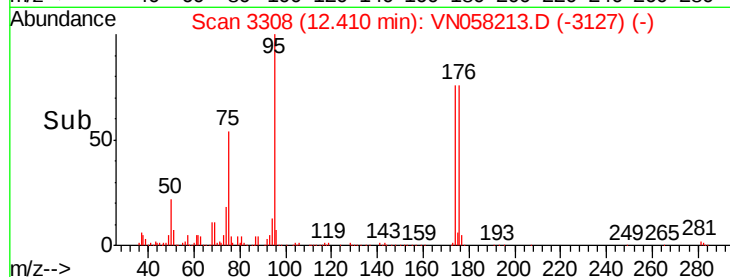
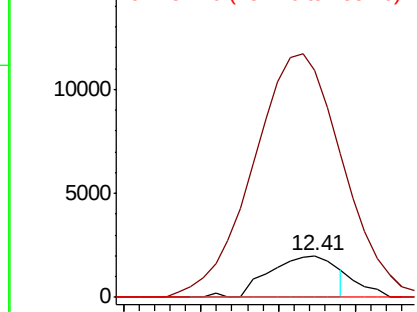
173 100

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

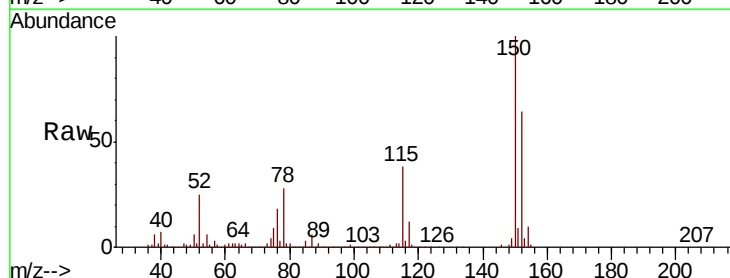
Tgt Ion:152 Resp: 328807

Ion Ratio Lower Upper

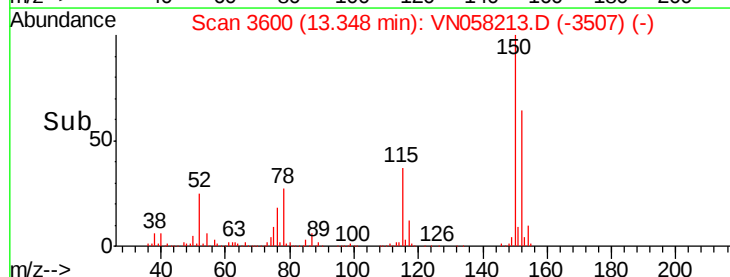
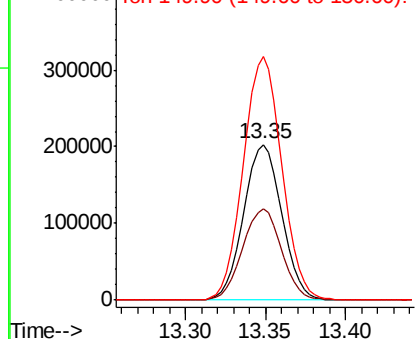
152 100

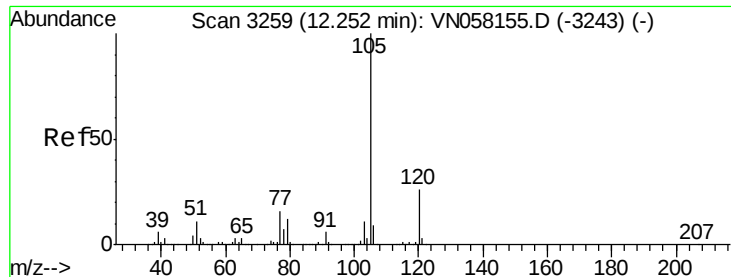
115 59.8 30.1 90.3

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

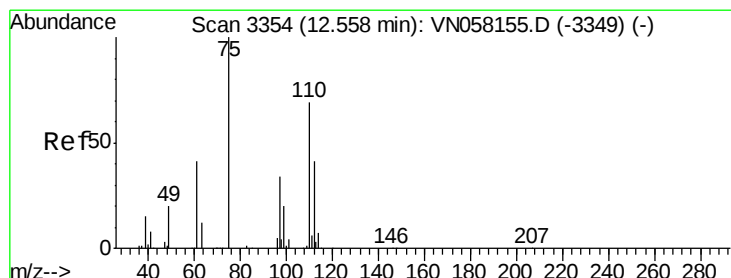
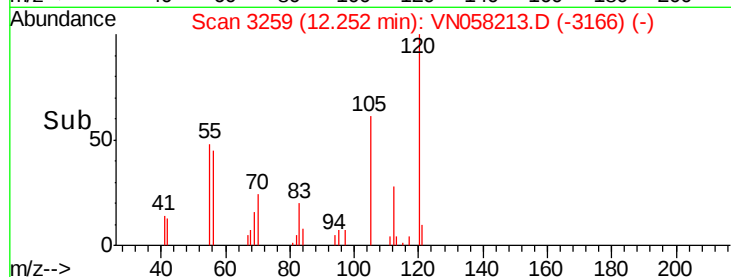
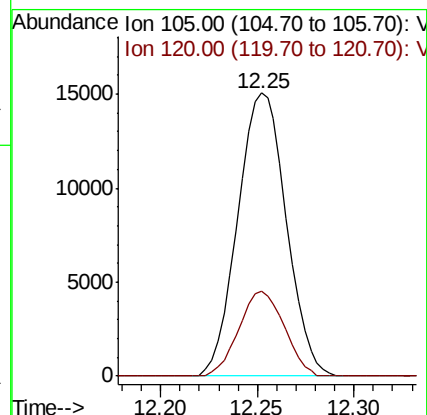
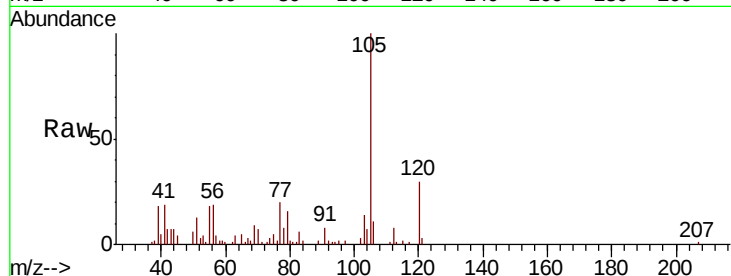
ClientSampled :

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

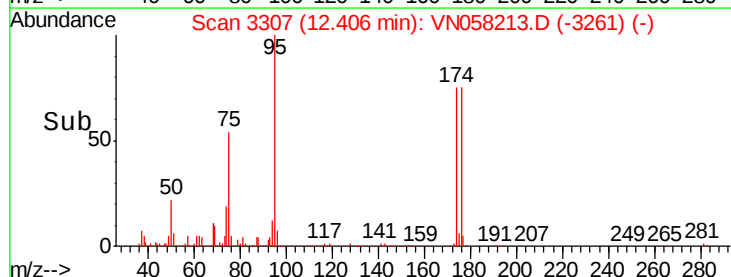
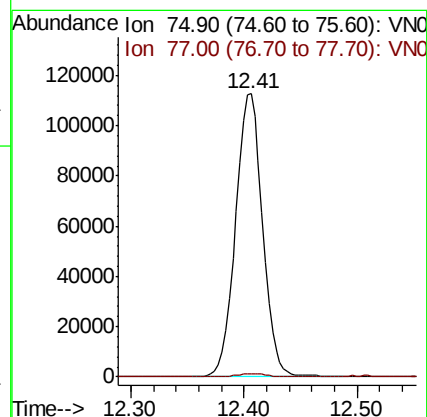
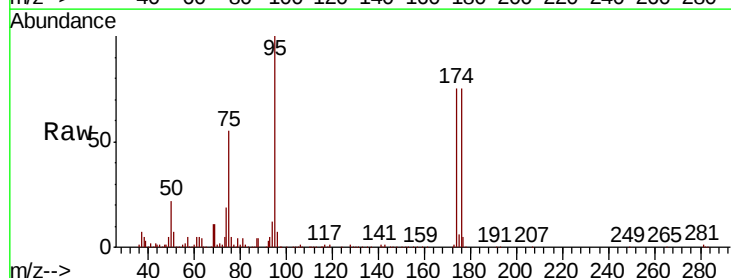
Acq: 19 Sep 2019 18:54

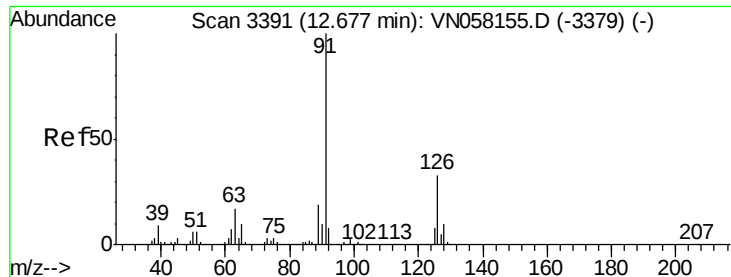
Tgt Ion: 75 Resp: 187353

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

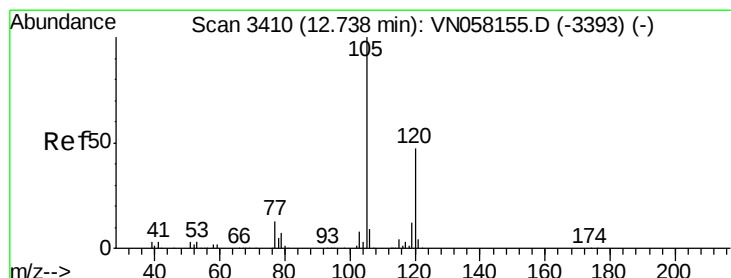
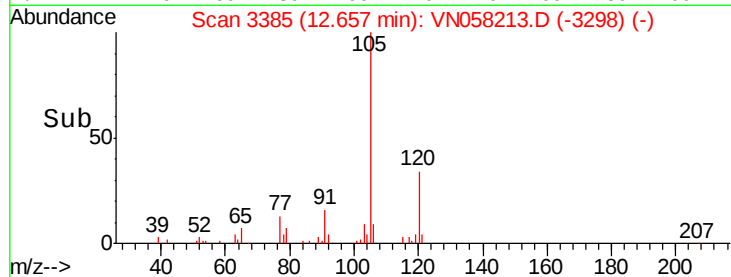
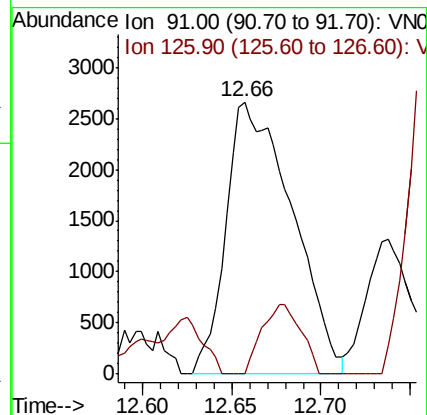
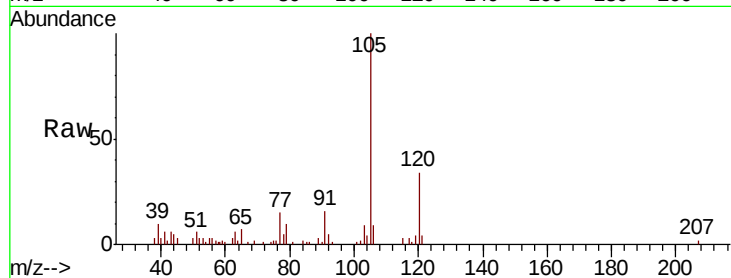
ClientSampleId :

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

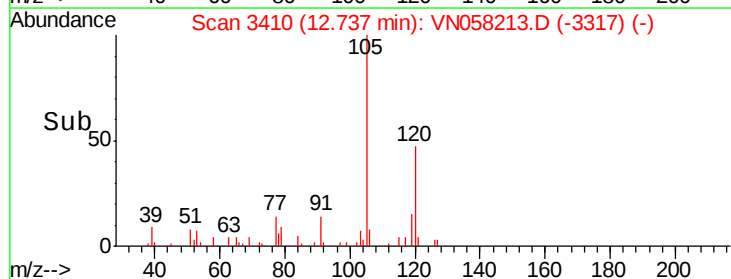
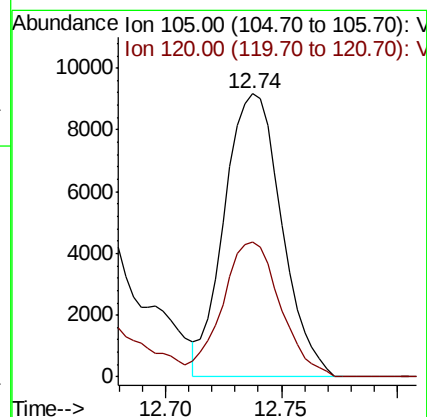
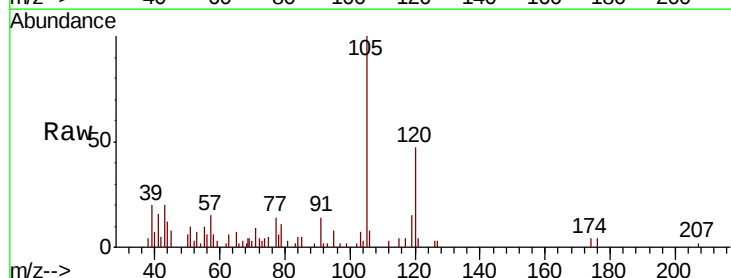
Acq: 19 Sep 2019 18:54

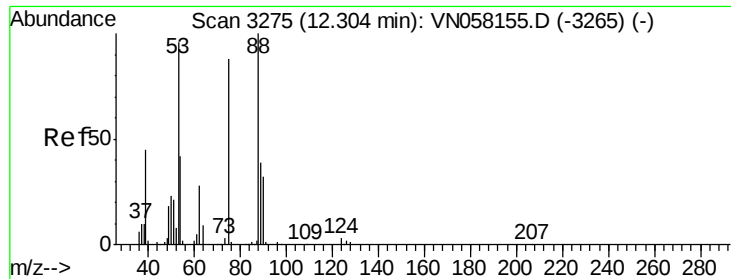
Tgt Ion: 105 Resp: 15768

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 :

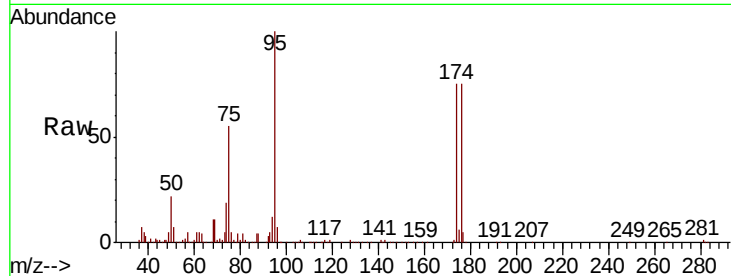
Tot Ion: 75 Resp: 187353

Ion Ratio Lower Upper

75 100

53 0.7 90.1 135.1#

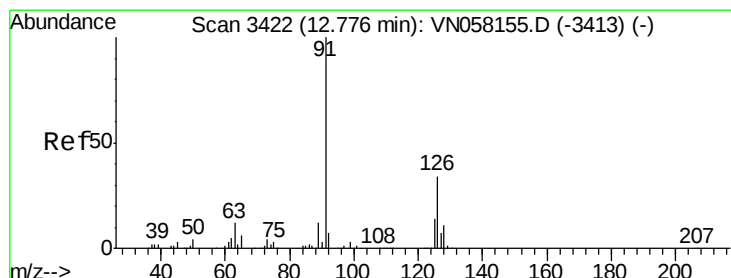
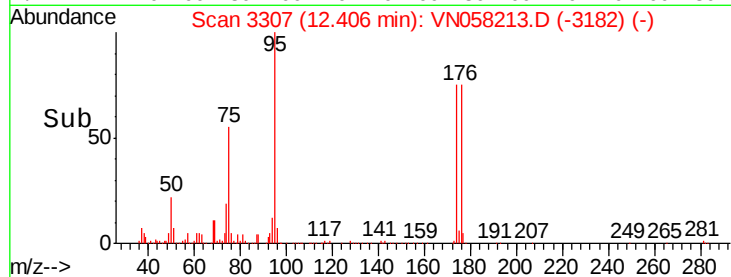
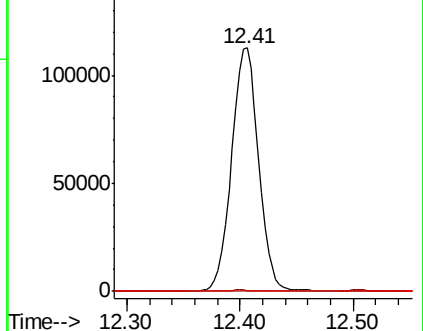
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.456 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.27 min

Lab File: VN058213.D

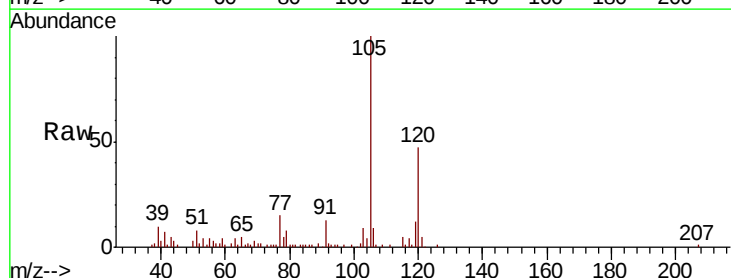
Acq: 19 Sep 2019 18:54

Tgt Ion: 91 Resp: 7011

Ion Ratio Lower Upper

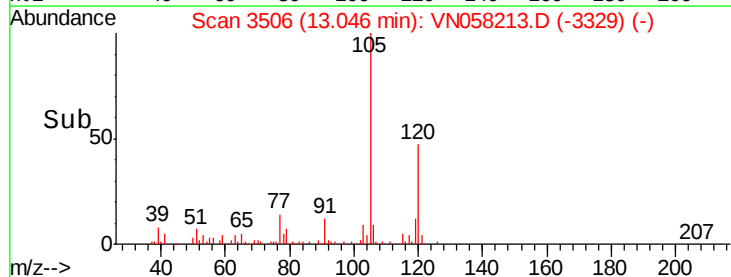
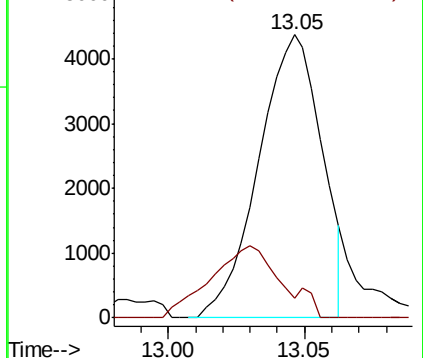
91 100

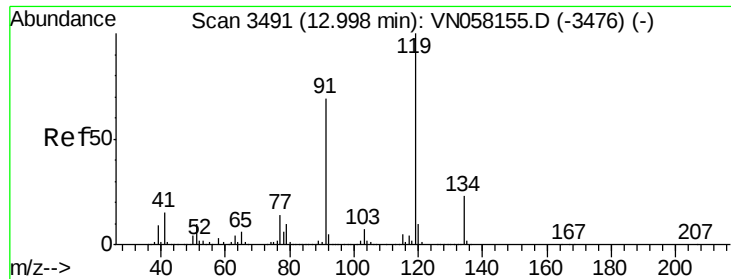
126 28.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

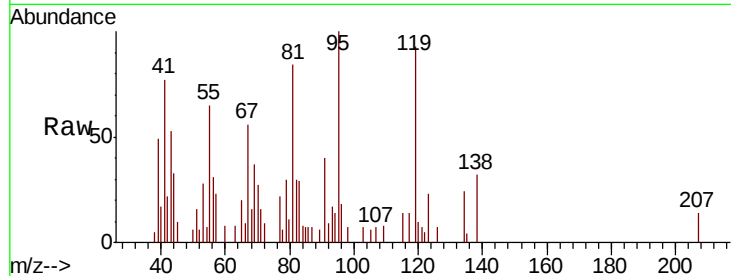




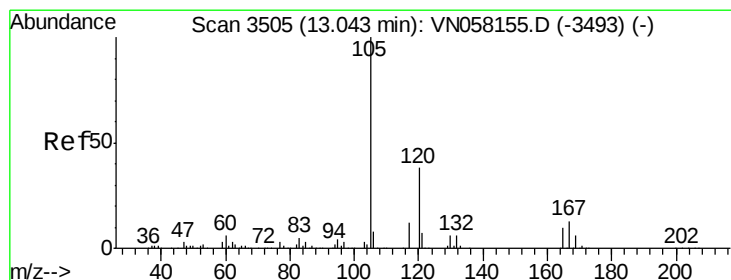
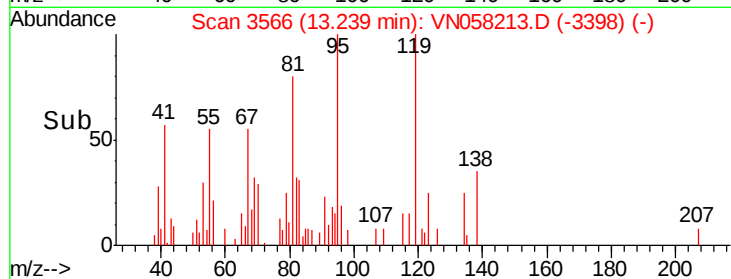
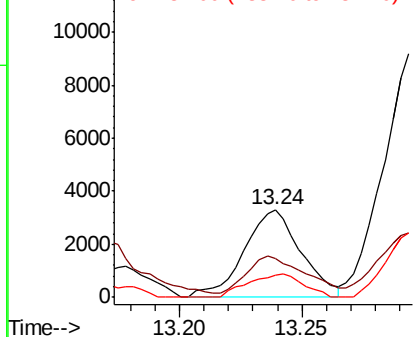
#83
tert-Butylbenzene
Concen: 0.344 ug/l
RT: 13.24 min Scan# 3566
Delta R.T. 0.24 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

Instrument :
MSVOA_N
ClientSampled :

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

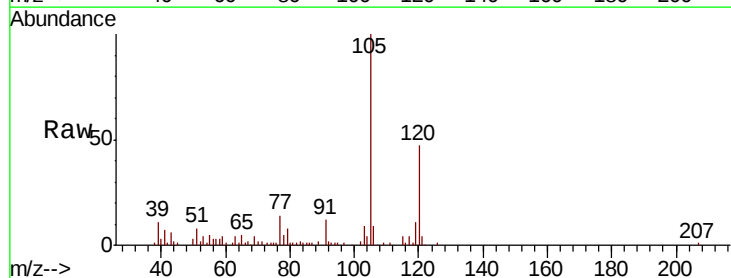


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

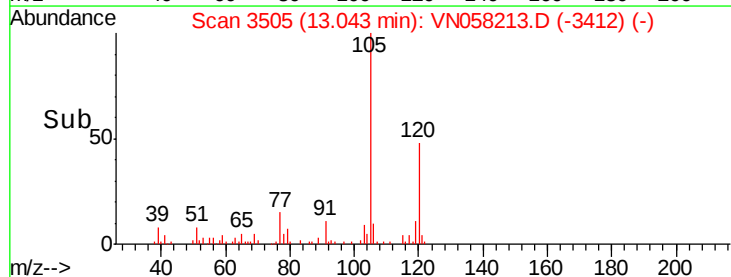
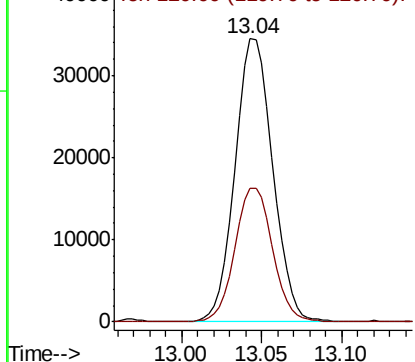


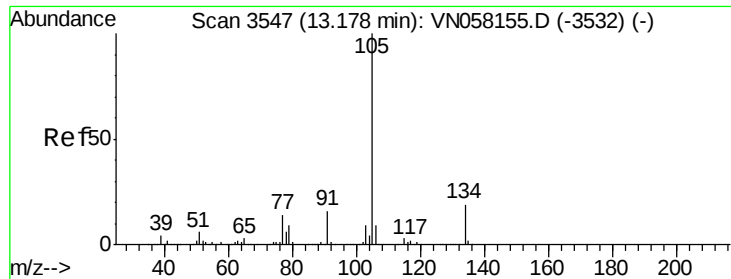
#84
1,2,4-Trimethylbenzene
Concen: 3.191 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058213.D
Acq: 19 Sep 2019 18:54

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

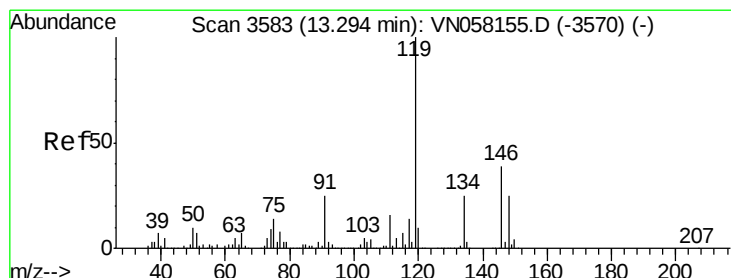
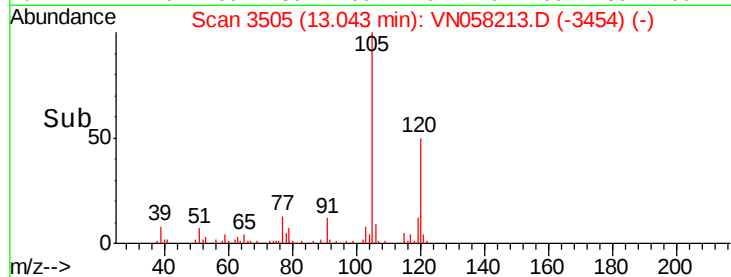
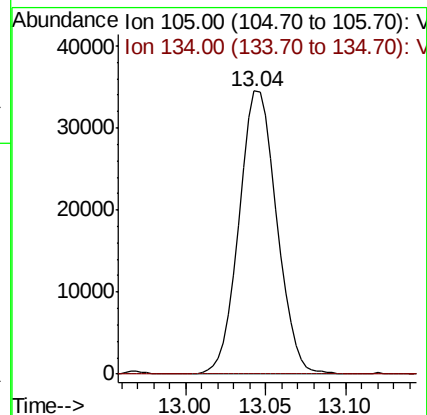
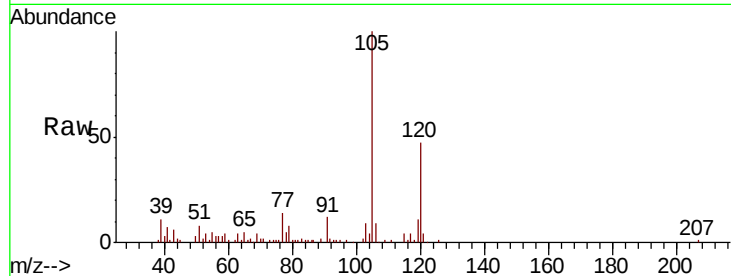
ClientSampled :

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

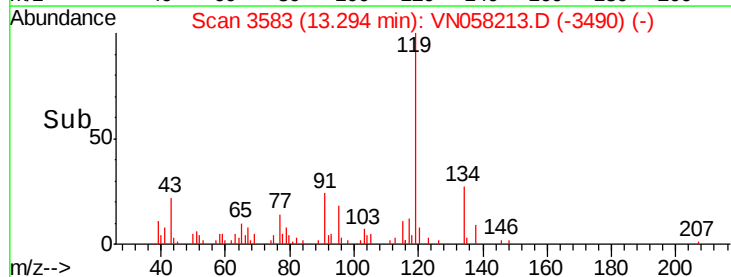
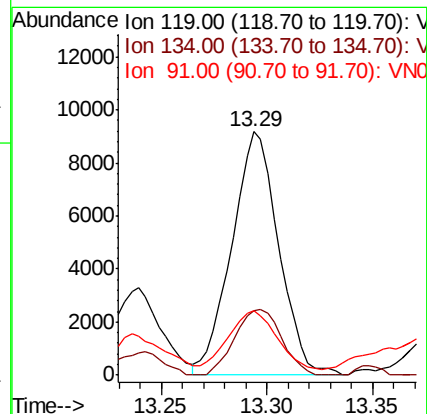
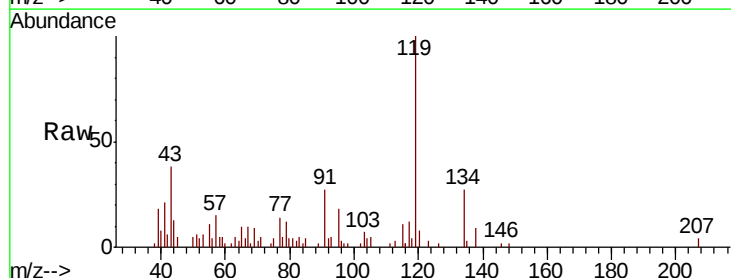
Tgt Ion:119 Resp: 14163

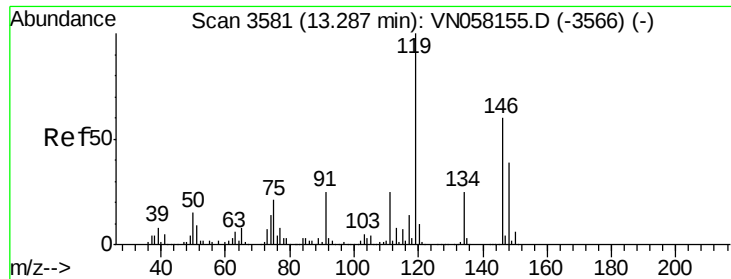
Ion Ratio Lower Upper

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

ClientSampled :

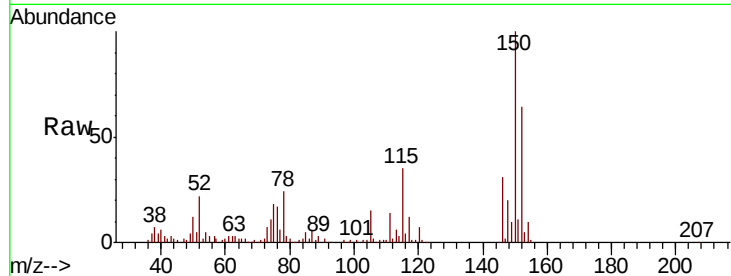
Tot Ion:146 Resp: 34984

Ion Ratio Lower Upper

146 100

111 56.4 20.9 62.8

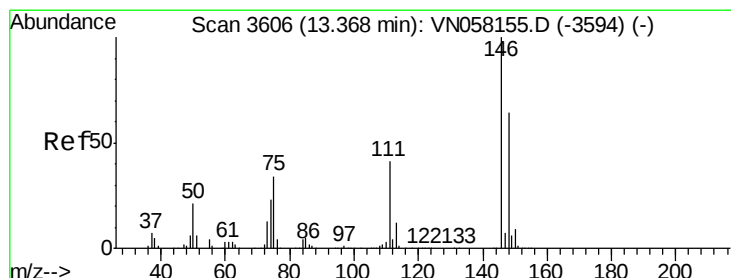
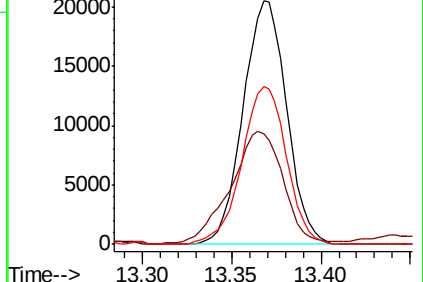
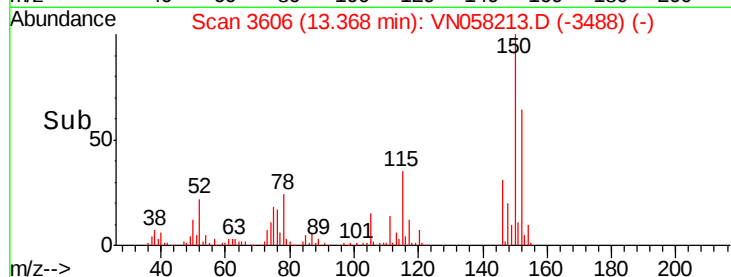
148 66.5 32.0 96.2



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



#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

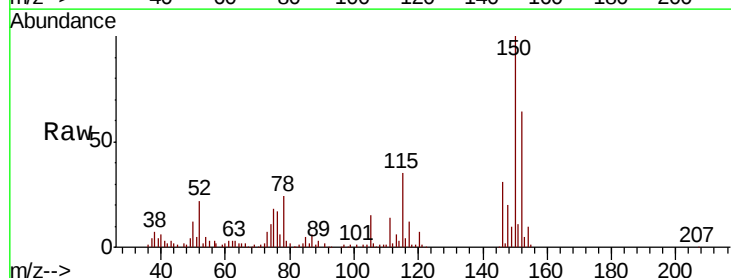
Tgt Ion:146 Resp: 34984

Ion Ratio Lower Upper

146 100

111 56.4 20.5 61.5

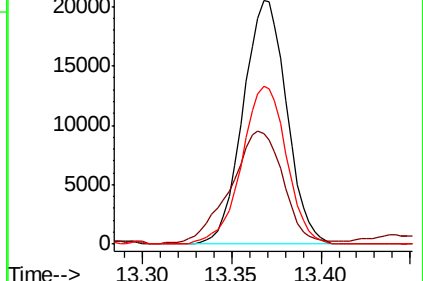
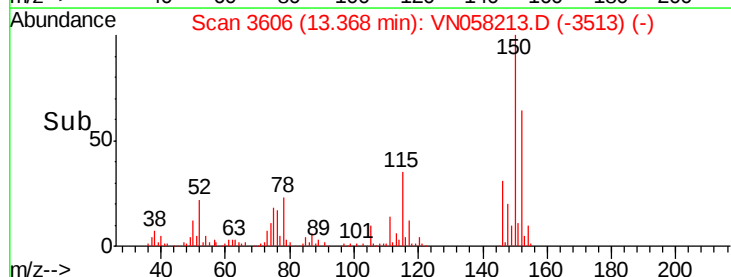
148 66.5 31.9 95.5

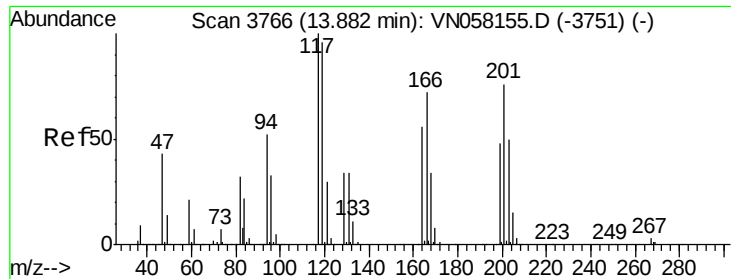


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#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

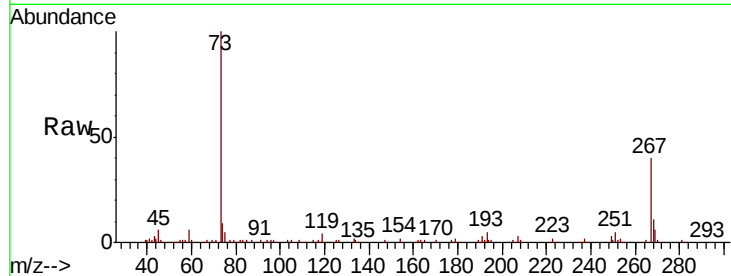
ClientSampled :

Tot Ion:117 Resp: 821

Ion Ratio Lower Upper

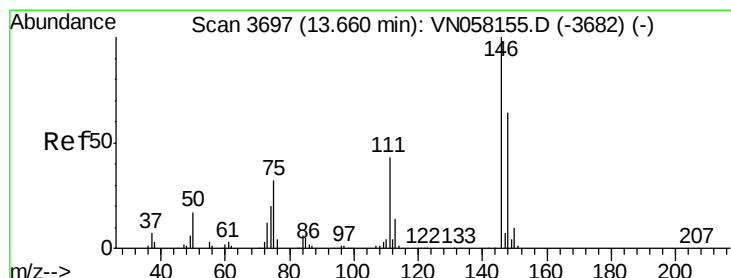
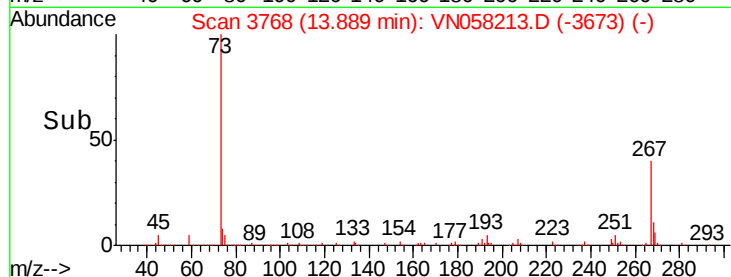
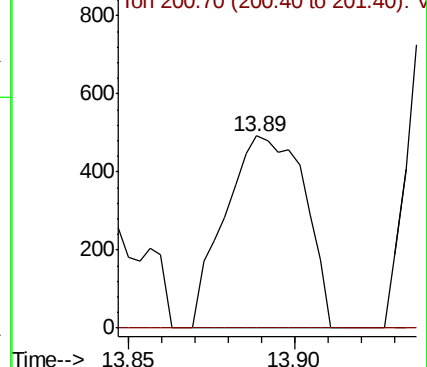
117 100

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

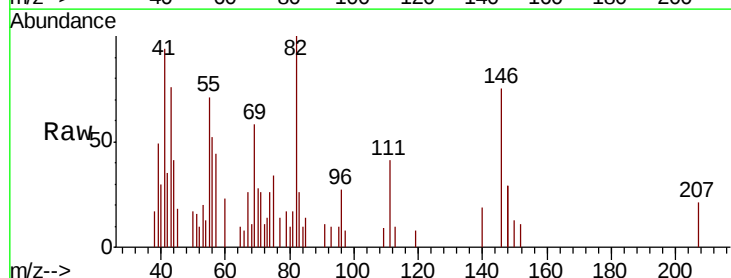
Tgt Ion:146 Resp: 2312

Ion Ratio Lower Upper

146 100

111 65.1 21.1 63.1#

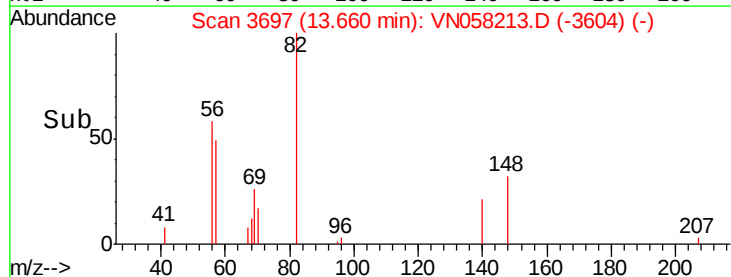
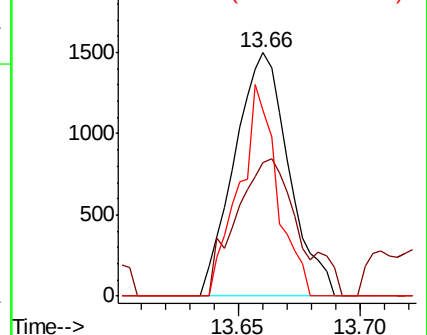
148 61.2 31.8 95.4

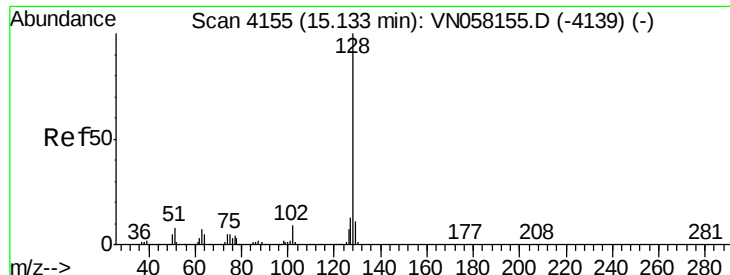


Abundance Ion 145.90 (145.60 to 146.60): V

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

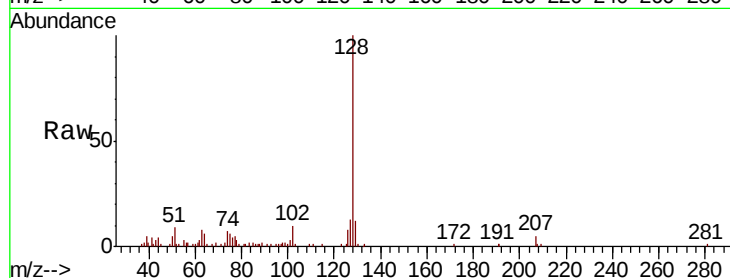
Lab File: VN058213.D

Acq: 19 Sep 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :



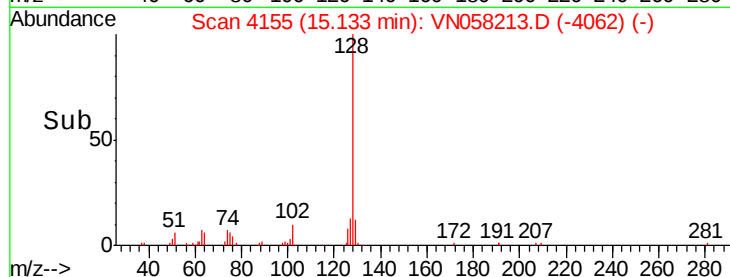
Tot Ion:128 Resp: 54015

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	11.2	8.6	12.8

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

