

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058333.D
 Acq On : 24 Sep 2019 7:24
 Operator : JC/SP
 Sample : K5008-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 08:41:20 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	539634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	885452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	769716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	382381	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.58	113	267808	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	1207561	57.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.16%	
62) 4-Bromofluorobenzene	12.41	95	412599	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	1971	Below Cal		95
4) Vinyl Chloride	2.12	62	113	Below Cal	#	43
5) Bromomethane	2.57	94	300	0.872	ug/l #	4
6) Chloroethane	2.67	64	75	Below Cal	#	17
11) Tert butyl alcohol	4.75	59	482	0.539	ug/l #	71
13) Acrolein	3.78	56	6959	52.523	ug/l	84
14) Allyl chloride	4.57	41	321031	44.971	ug/l #	64
15) Acrylonitrile	5.03	53	32185	13.512	ug/l #	39
16) Acetone	3.80	43	32122	12.591	ug/l #	73
17) Carbon Disulfide	4.04	76	7777	1.931	ug/l	99
18) Methyl Acetate	4.57	43	735955	109.628	ug/l #	53
20) Methylene Chloride	4.51	84	909	Below Cal	#	1
25) 2-Butanone	6.82	43	10987	3.161	ug/l #	71
31) Cyclohexane	7.63	56	156381	23.728	ug/l #	60
36) 1,1-Dichloropropene	7.65	75	45735	7.162	ug/l #	53
37) Ethyl Acetate	6.82	43	10987	1.658	ug/l #	72
38) Carbon Tetrachloride	7.65	117	54024	8.417	ug/l #	14
39) Methylcyclohexane	9.04	83	170527	27.652	ug/l #	1
40) Benzene	8.02	78	10314	0.529	ug/l	99
41) Methacrylonitrile	7.16	41	1397	1.322	ug/l #	100
42) 1,2-Dichloroethane	8.15	62	5135	0.627	ug/l #	1
43) Isopropyl Acetate	8.14	43	189255	15.292	ug/l #	58
45) 1,2-Dichloropropane	9.04	63	7432	1.276	ug/l #	1
47) Bromodichloromethane	9.36	83	26689	3.598	ug/l #	37
48) Methyl methacrylate	9.13	41	33252	5.918	ug/l #	41
51) 4-Methyl-2-Pentanone	10.00	43	8091	1.231	ug/l #	50
52) Toluene	10.15	92	7599	0.622	ug/l	81
55) 1,1,2-Trichloroethane	10.53	97	305793	56.375	ug/l #	18
56) Ethyl methacrylate	10.43	69	188715	24.113	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.66	63	905	0.243	ug/l #	50
59) 2-Hexanone	10.72	43	49224	10.082	ug/l #	32
64) Tetrachloroethene	10.62	164	986	0.263	ug/l #	69
67) Ethyl Benzene	11.52	91	17395	0.750	ug/l	95
68) m/p-Xylenes	11.63	106	6008	0.688	ug/l #	46

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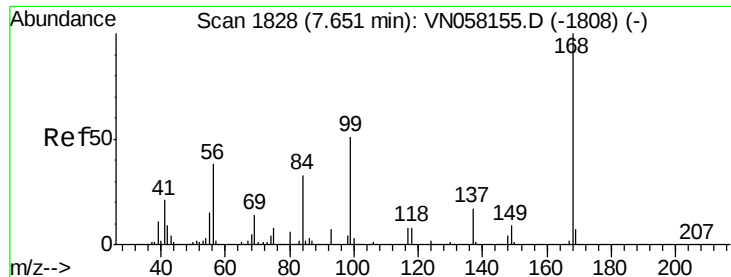
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 08:41:20 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)

69) o-Xylene	11.95	106	3364	0.392	ug/l	70
71) Bromoform	12.27	173	64	3.611	ug/l #	29
73) Isopropylbenzene	12.25	105	1684125	79.670	ug/l	99
74) N-amyl acetate	12.05	43	17634	1.994	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.48	83	6934	0.980	ug/l #	26
76) 1,2,3-Trichloropropane	12.60	75	17516	2.898	ug/l #	100
77) Bromobenzene	12.60	156	26611	5.005	ug/l #	1
78) n-propylbenzene	12.60	91	2605935	108.485	ug/l	98
79) 2-Chlorotoluene	12.60	91	2605935	173.585	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.90	105	109779	6.141	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.25	75	21380	15.091	ug/l #	61
82) 4-Chlorotoluene	12.60	91	2605935	165.135	ug/l #	43
83) tert-Butylbenzene	13.00	119	68388	4.290	ug/l	96
84) 1,2,4-Trimethylbenzene	12.90	105	109779	6.171	ug/l	79
85) sec-Butylbenzene	13.18	105	416319	19.972	ug/l	82
86) p-Isopropyltoluene	13.45	119	177630	9.585	ug/l	96
89) n-Butylbenzene	13.62	91	284369	16.185	ug/l	92
90) Hexachloroethane	13.90	117	110337	34.859	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.22	75	4379	3.436	ug/l #	9
95) Naphthalene	15.14	128	8996	0.558	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

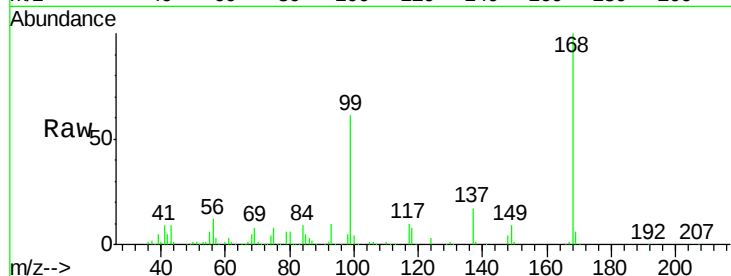
ClientSampleId :

Tot Ion:168 Resp: 539634

Ion Ratio Lower Upper

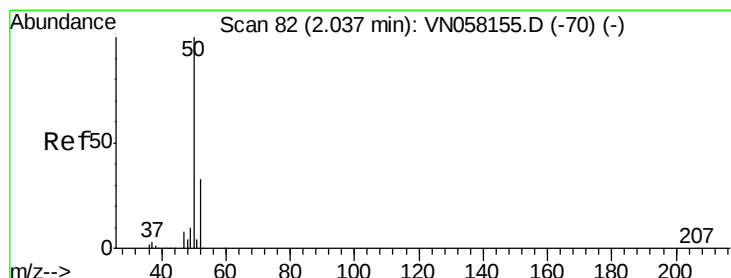
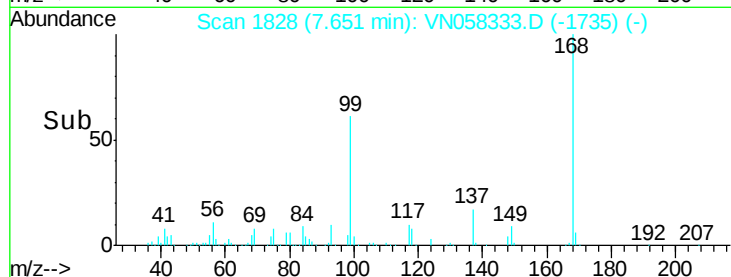
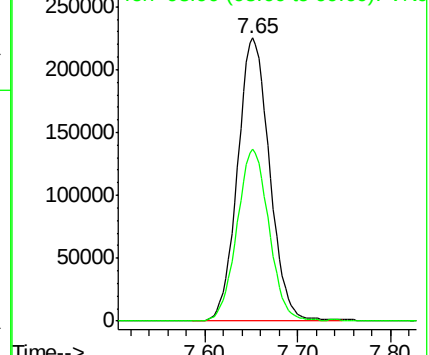
168 100

99 60.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058333.D

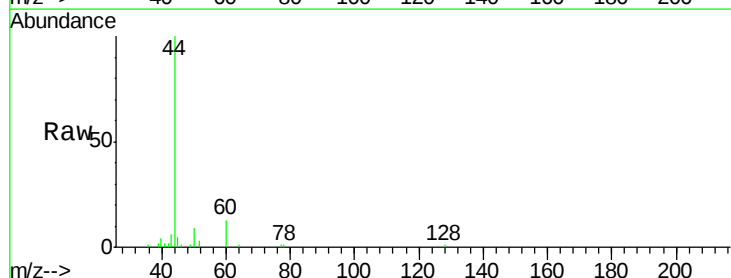
Acq: 24 Sep 2019 7:24

Tgt Ion: 50 Resp: 1971

Ion Ratio Lower Upper

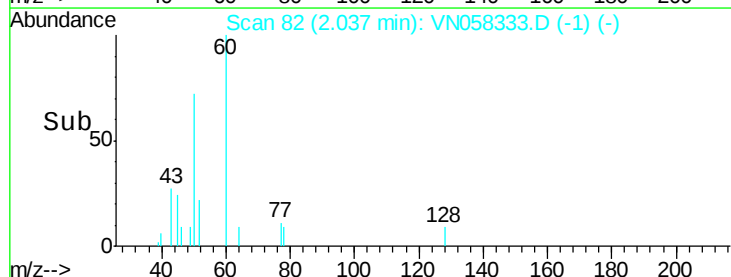
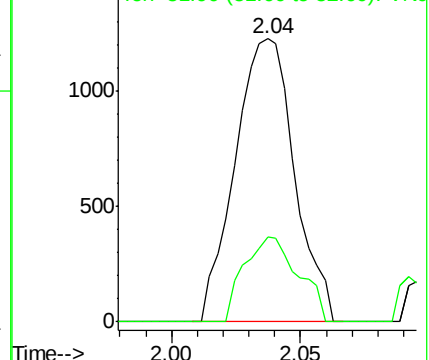
50 100

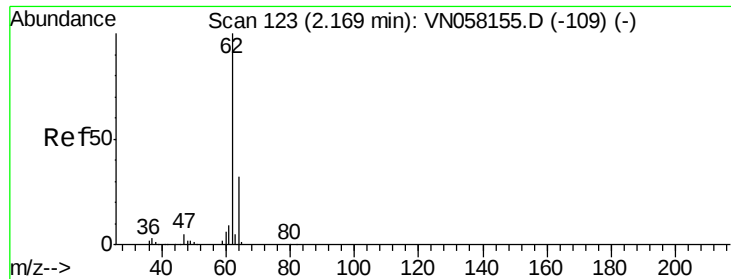
52 30.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.12 min Scan# 107

Delta R.T. -0.05 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

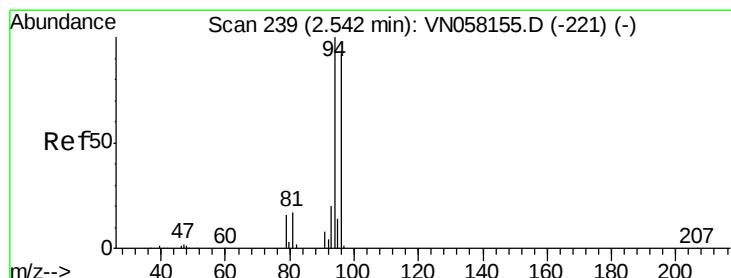
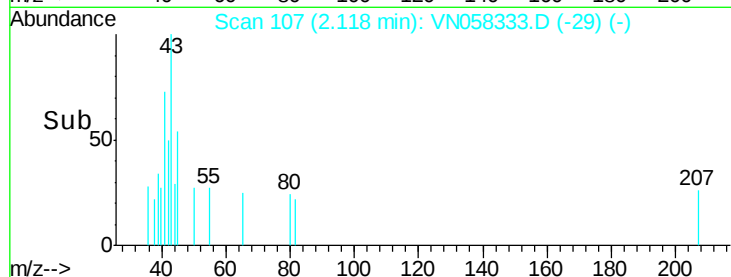
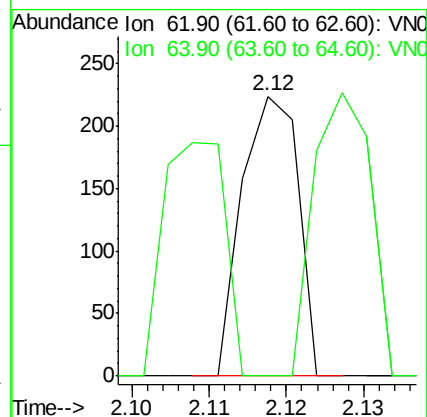
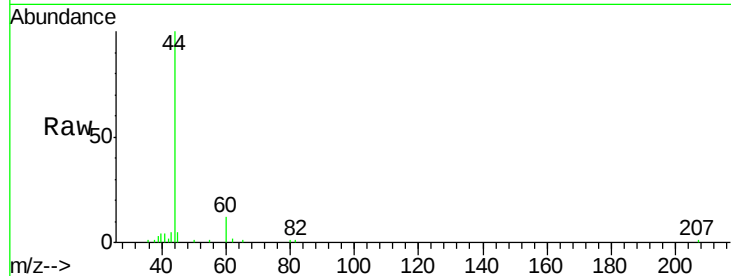
ClientSampled :

Tot Ion: 62 Resp: 113

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.2#



#5

Bromomethane

Concen: 0.872 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.03 min

Lab File: VN058333.D

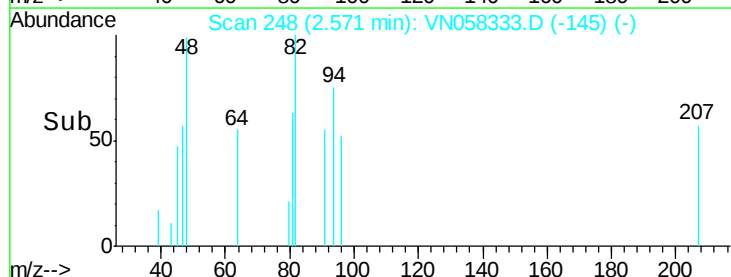
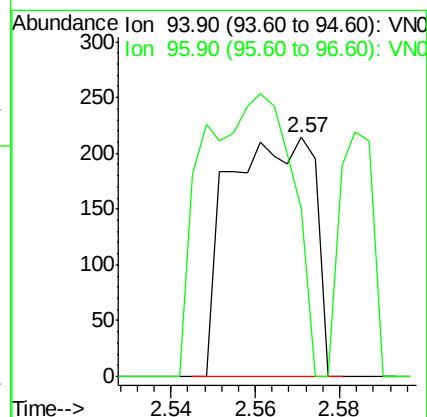
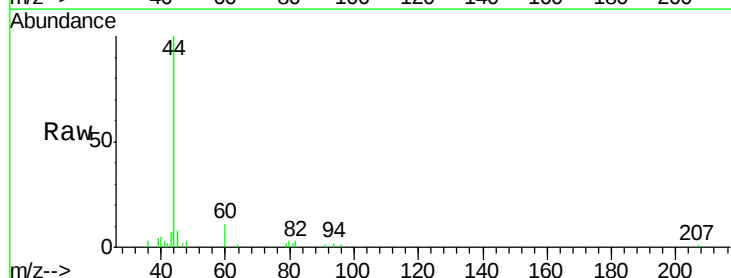
Acq: 24 Sep 2019 7:24

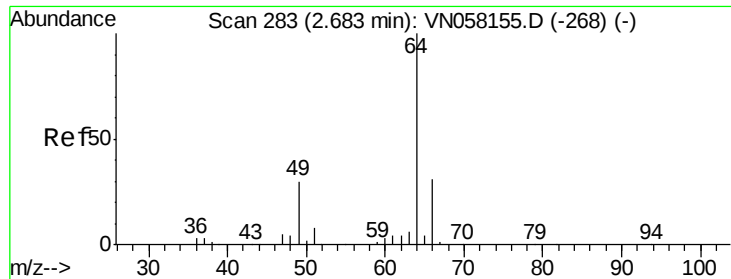
Tgt Ion: 94 Resp: 300

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#





#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

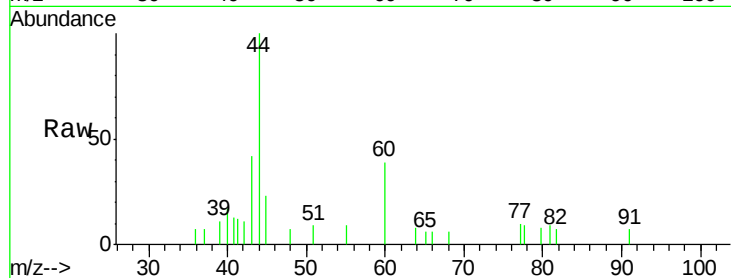
ClientSampled :

Tot Ion: 64 Resp: 75

Ion Ratio Lower Upper

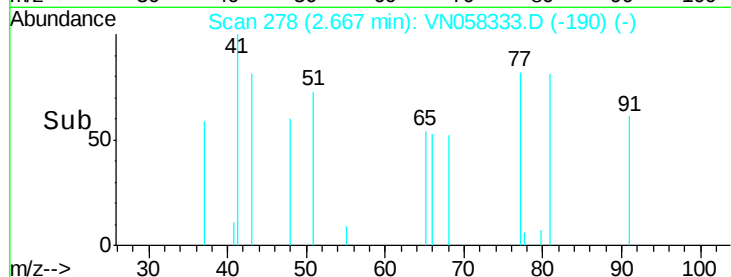
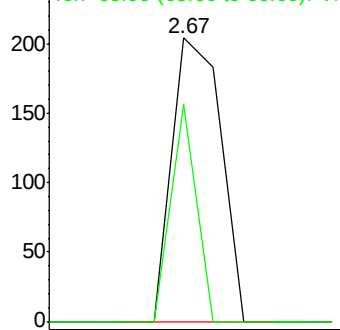
64 100

66 76.5 24.6 37.0#

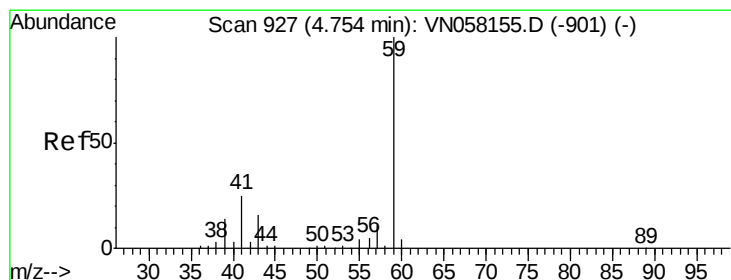


Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->



#11

Tert butyl alcohol

Concen: 0.539 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN058333.D

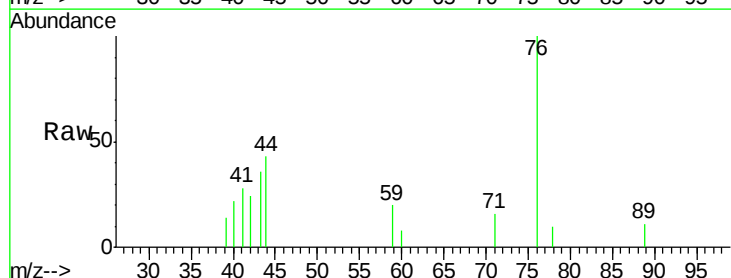
Acq: 24 Sep 2019 7:24

Tgt Ion: 59 Resp: 482

Ion Ratio Lower Upper

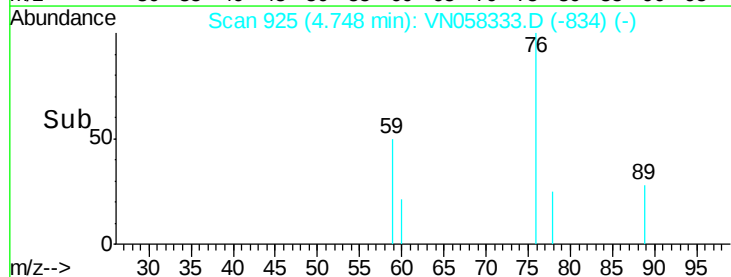
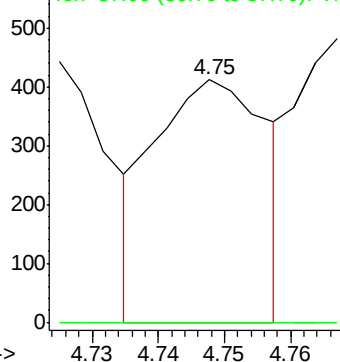
59 100

57 0.0 8.6 13.0#

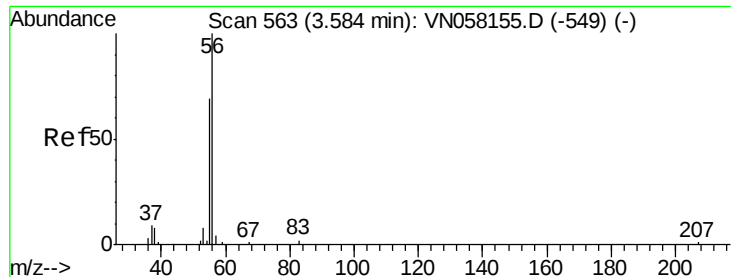


Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



Time-->



#13

Acrolein

Concen: 52.523 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.20 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

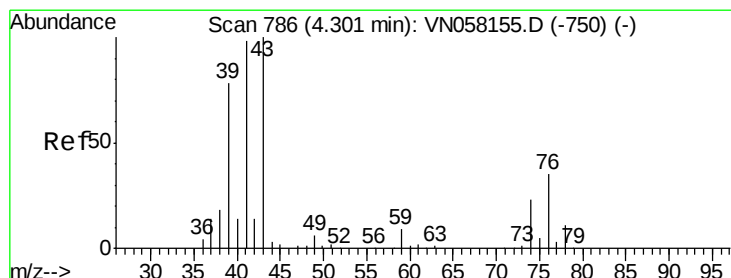
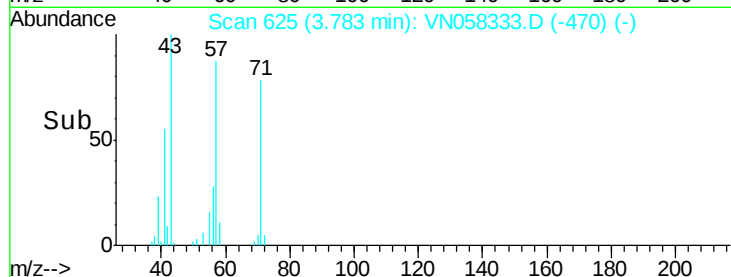
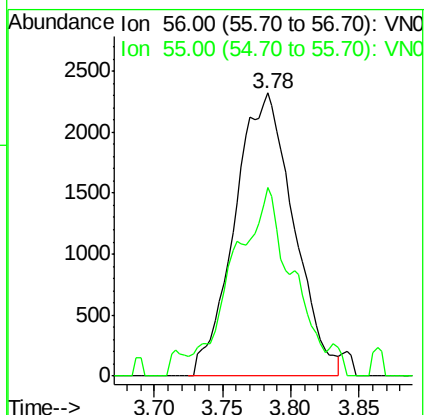
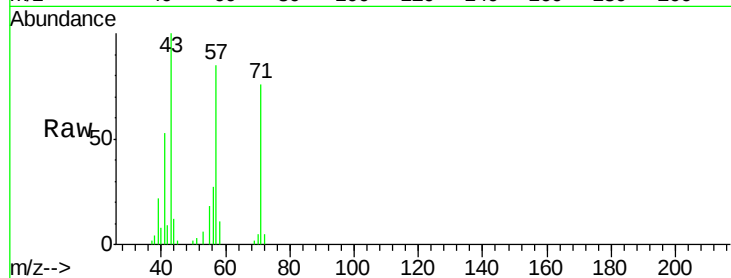
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6959

Ion Ratio Lower Upper

56 100

55 56.6 56.1 84.1



#14

Allyl chloride

Concen: 44.971 ug/l

RT: 4.57 min Scan# 870

Delta R.T. 0.27 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

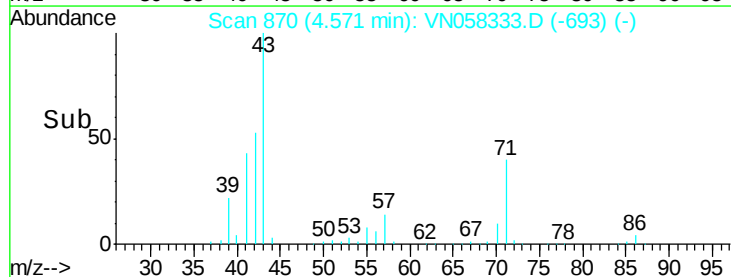
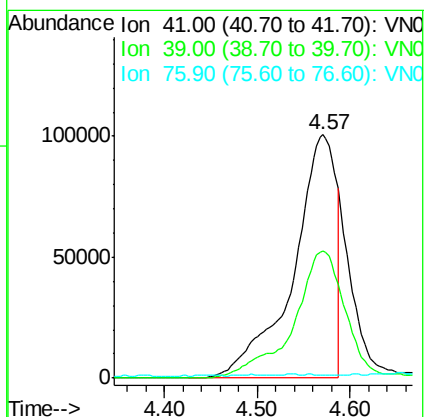
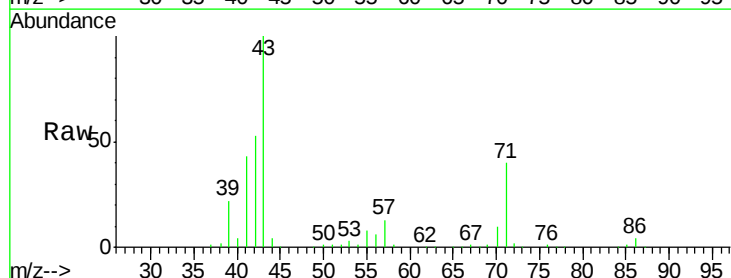
Tgt Ion: 41 Resp: 321031

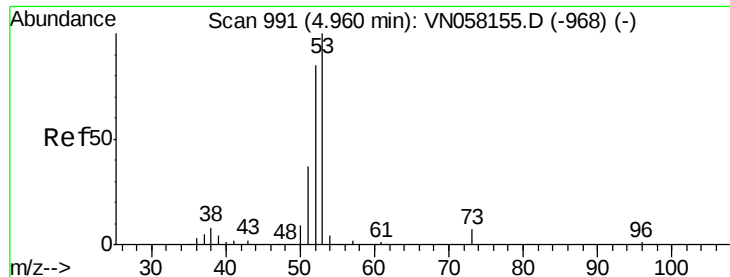
Ion Ratio Lower Upper

41 100

39 51.4 59.1 88.7#

76 0.0 25.1 37.7#





#15

Acrylonitrile

Concen: 13.512 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.07 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampled :

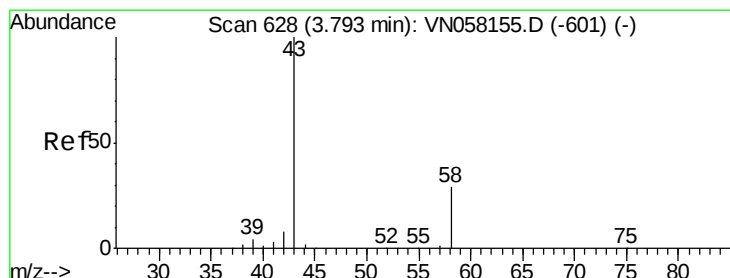
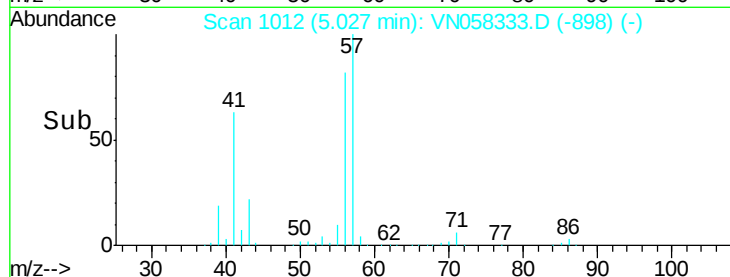
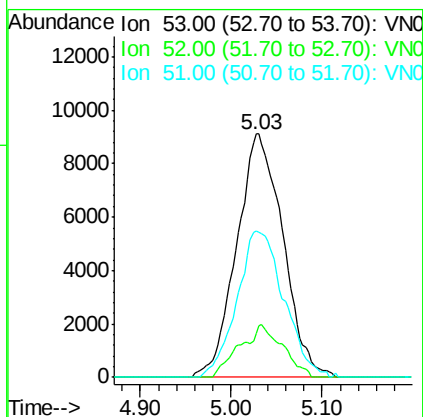
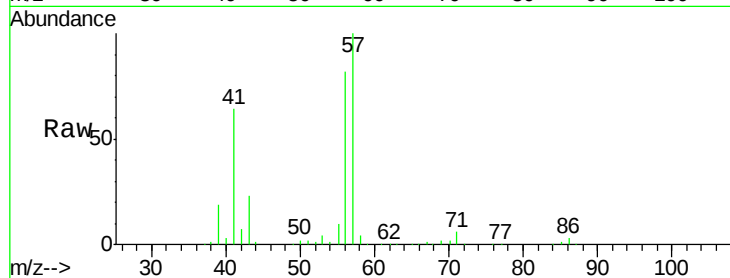
Tot Ion: 53 Resp: 32185

Ion Ratio Lower Upper

53 100

52 20.0 66.6 100.0#

51 61.0 29.7 44.5#



#16

Acetone

Concen: 12.591 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058333.D

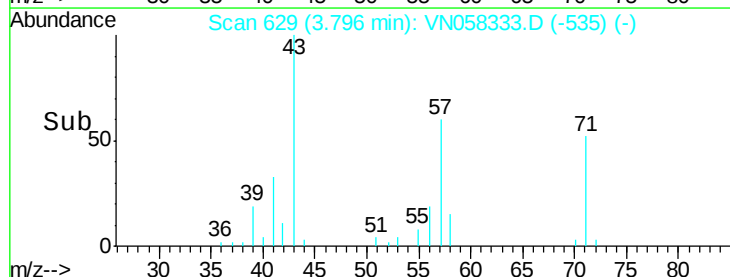
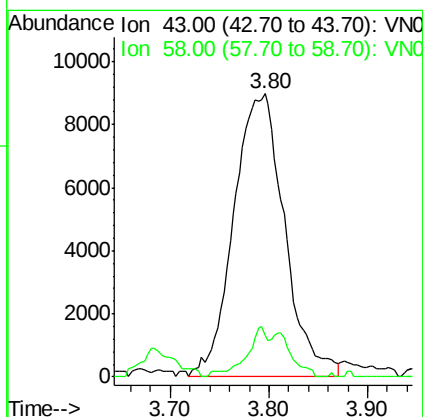
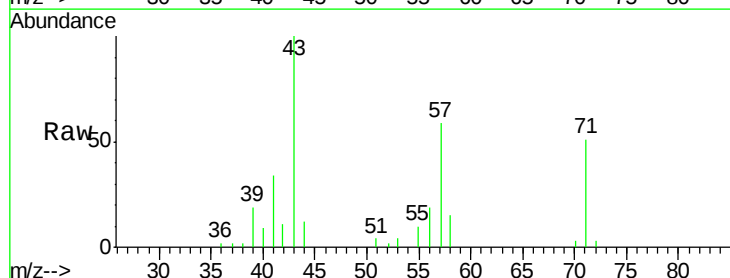
Acq: 24 Sep 2019 7:24

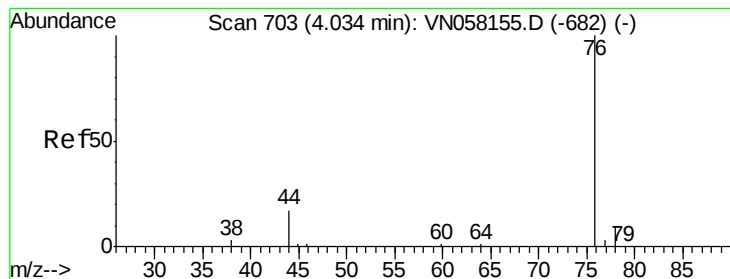
Tgt Ion: 43 Resp: 32122

Ion Ratio Lower Upper

43 100

58 14.8 23.4 35.2#





#17

Carbon Disulfide

Concen: 1.931 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

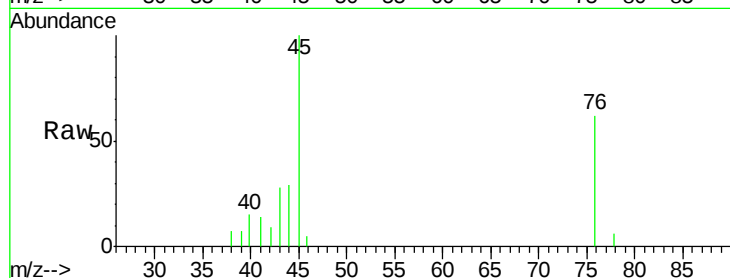
ClientSampleId :

Tot Ion: 76 Resp: 7777

Ion Ratio Lower Upper

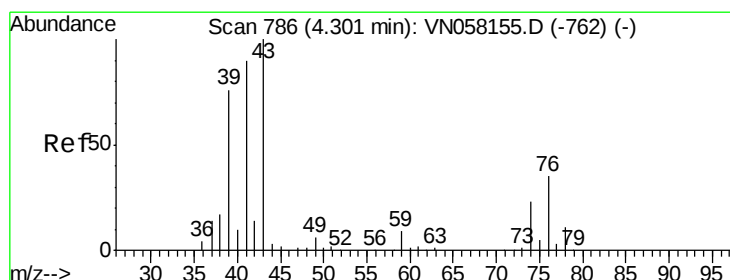
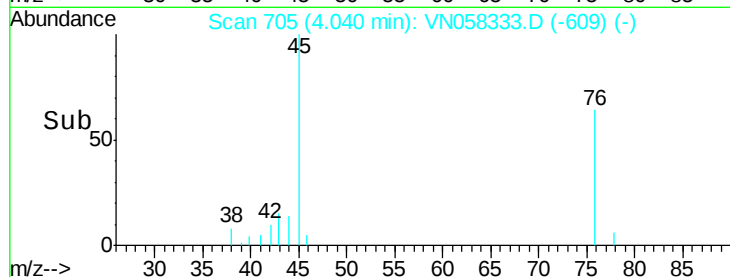
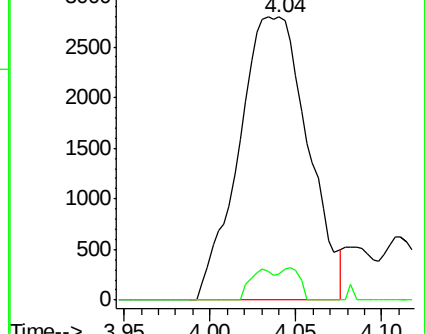
76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 109.628 ug/l

RT: 4.57 min Scan# 870

Delta R.T. 0.27 min

Lab File: VN058333.D

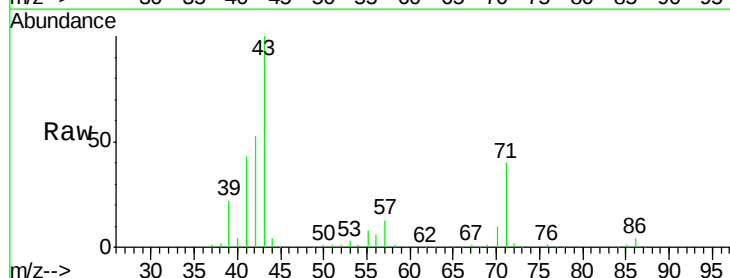
Acq: 24 Sep 2019 7:24

Tgt Ion: 43 Resp: 735955

Ion Ratio Lower Upper

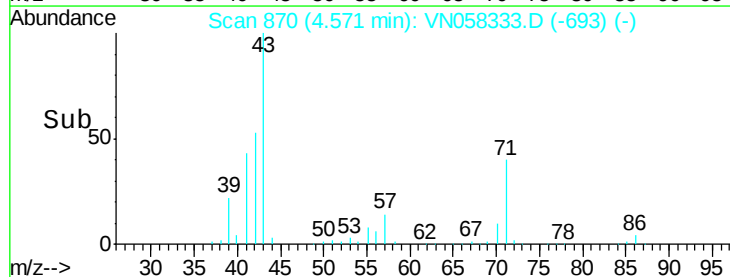
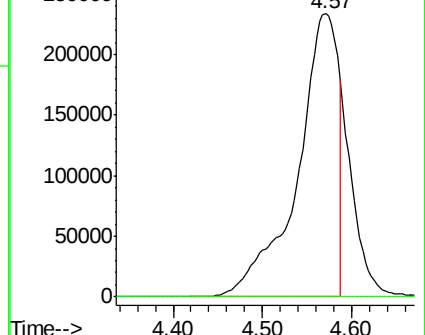
43 100

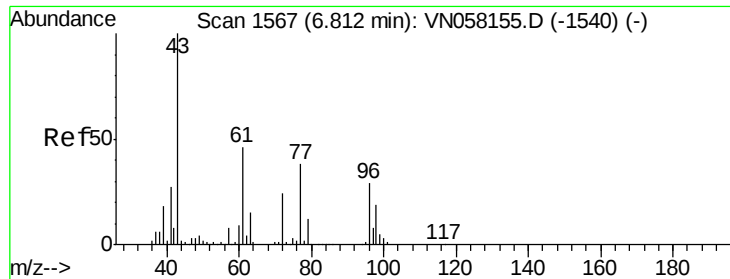
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

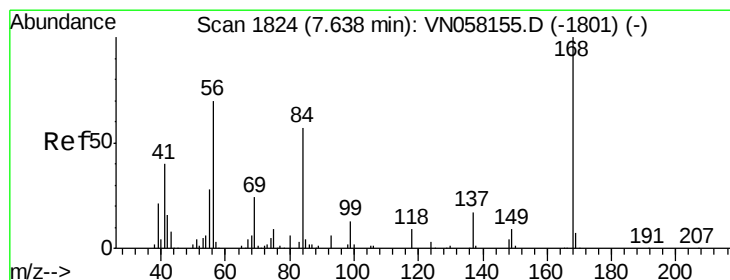
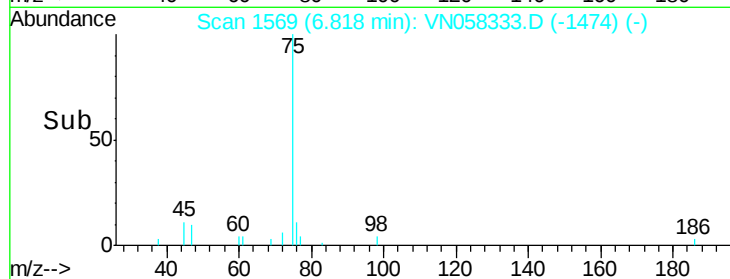
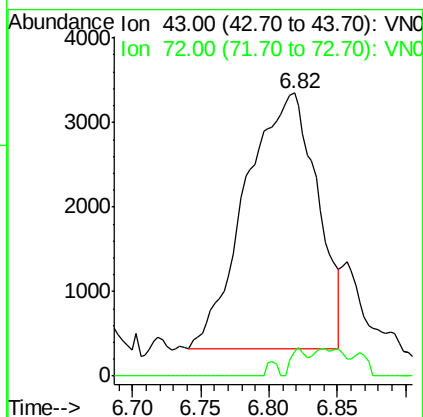
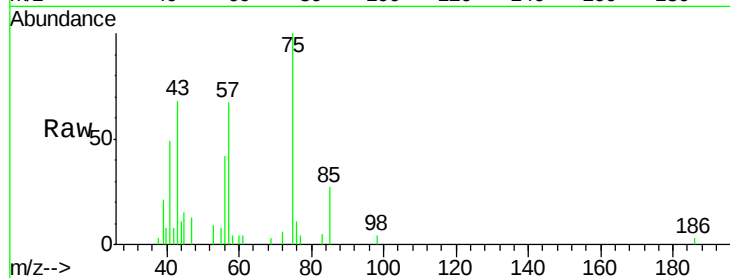




#25
2-Butanone
Concen: 3.161 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

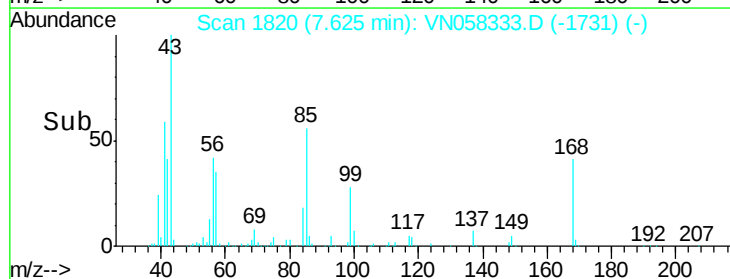
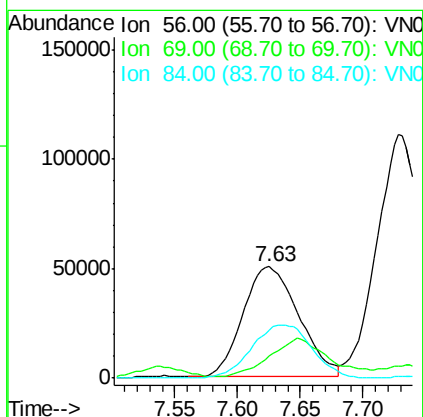
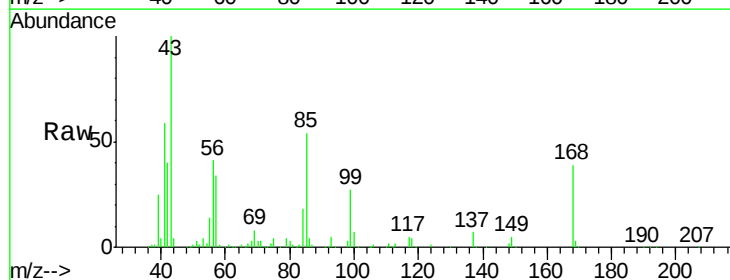
Instrument :
MSVOA_N
ClientSampled :

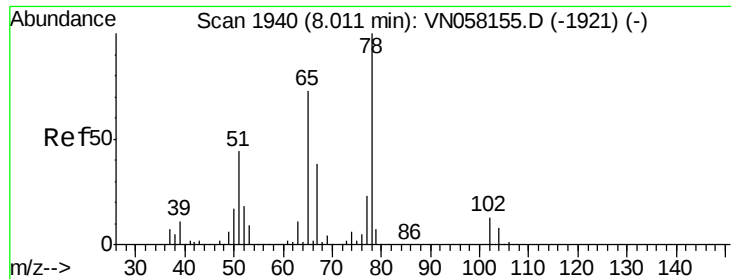
Tot Ion: 43 Resp: 10987
Ion Ratio Lower Upper
43 100
72 9.8 19.5 29.3#



#31
Cyclohexane
Concen: 23.728 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.01 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 56 Resp: 156381
Ion Ratio Lower Upper
56 100
69 14.8 27.3 40.9#
84 43.8 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 50.875 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

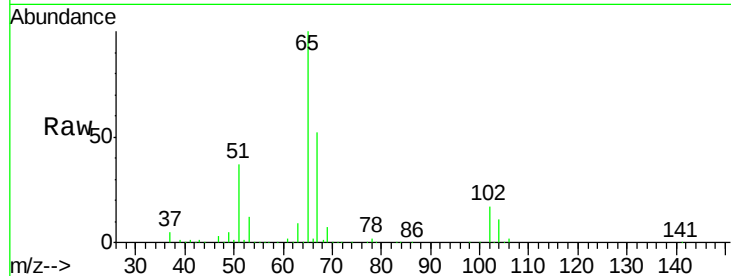
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 382381

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN058155.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058155.D (-1921) (-)

8.01

150000

100000

50000

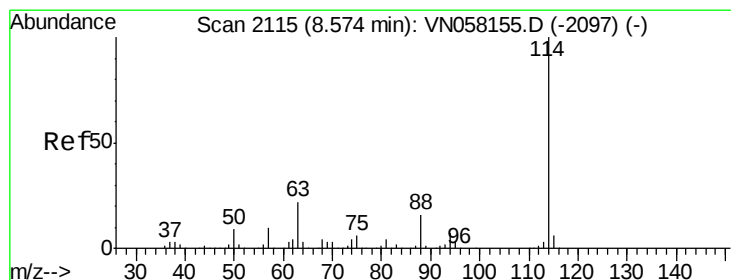
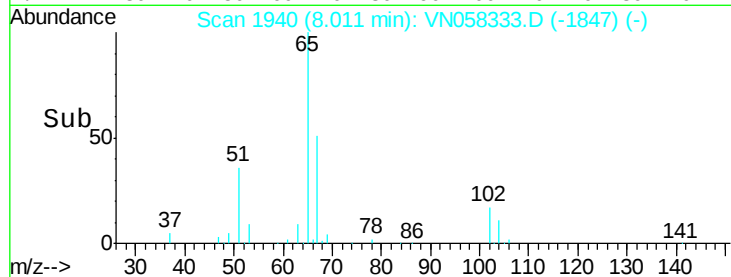
0

Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

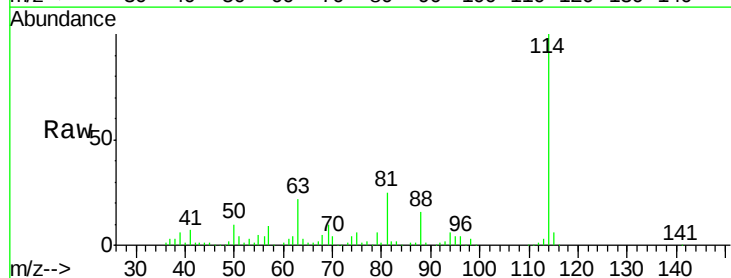
Tgt Ion: 114 Resp: 885452

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 15.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN058155.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058155.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058155.D (-2097) (-)

8.58

500000

400000

300000

200000

100000

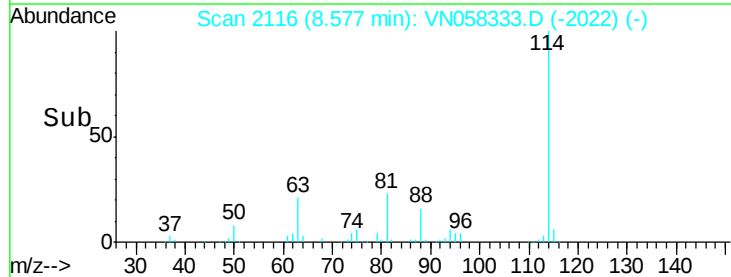
0

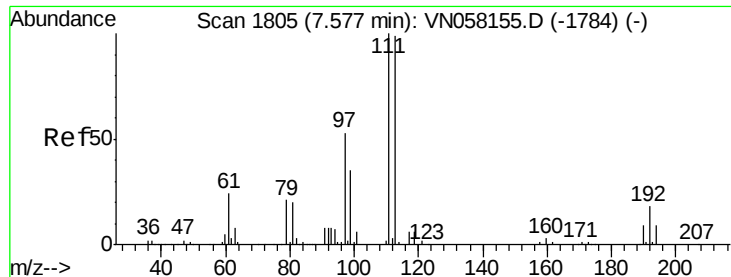
Time-->

8.50

8.60

8.70

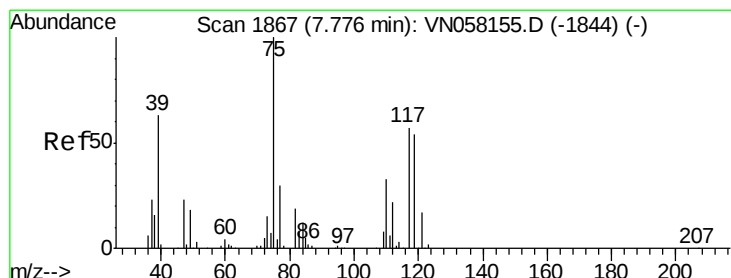
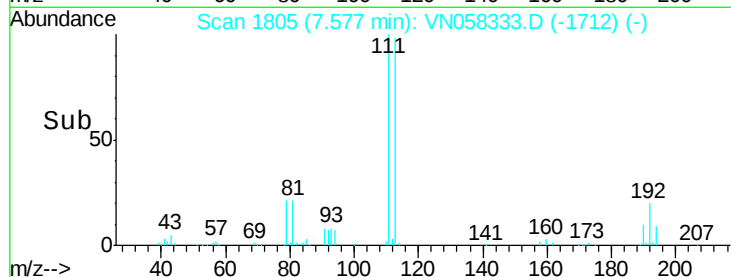
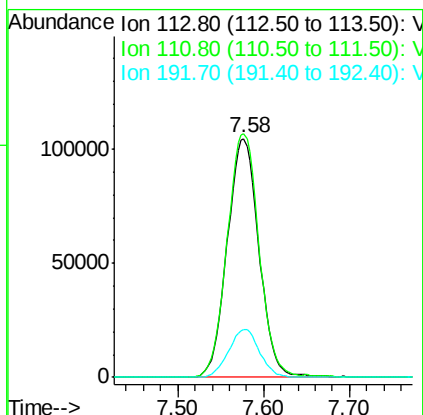
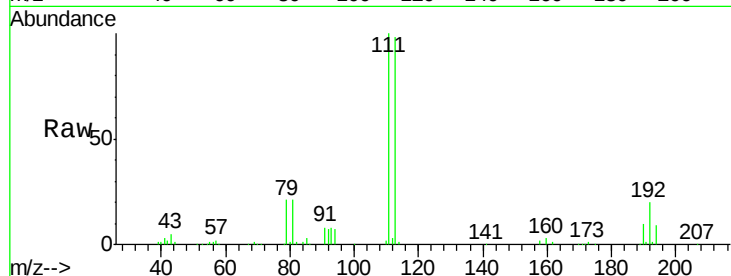




#35
 Dibromofluoromethane
 Concen: 49.752 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

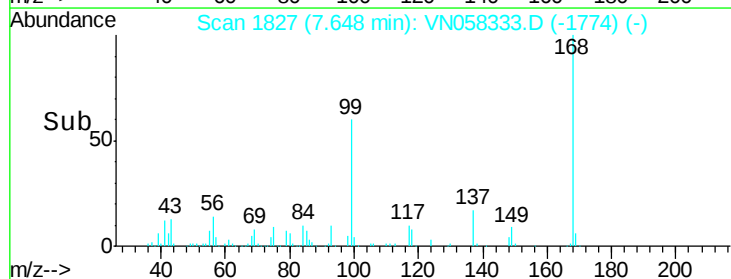
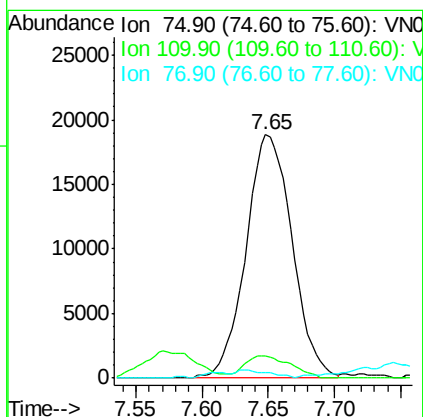
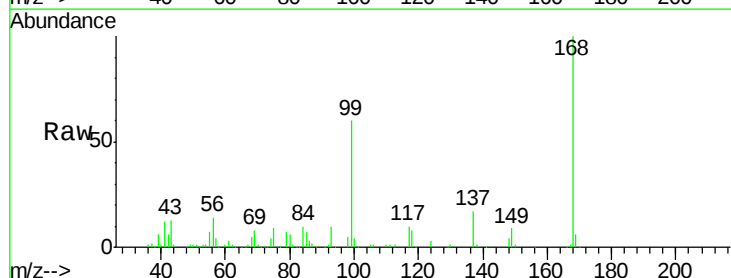
Instrument :
 MSVOA_N
 ClientSampleId :

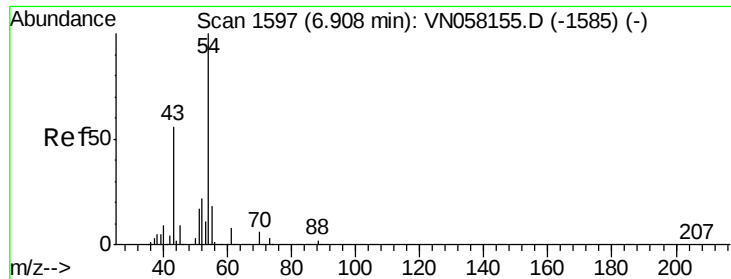
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	19.6	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.162 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.6	49.7#
77	2.4	24.3	36.5#

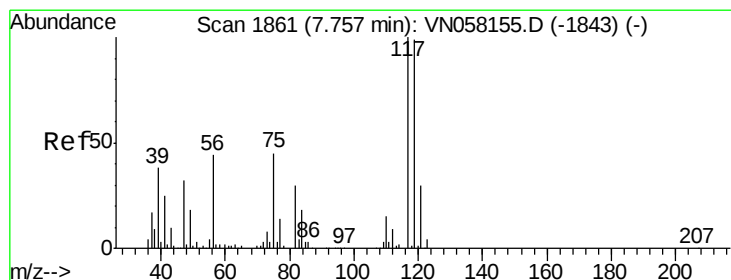
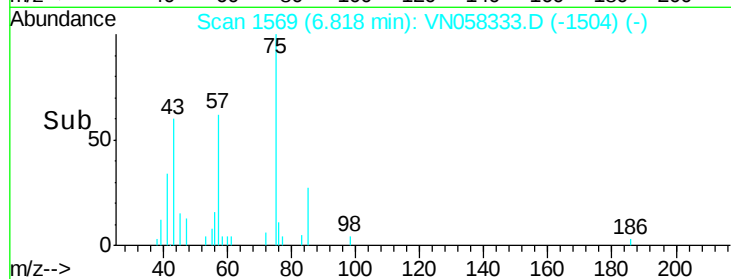
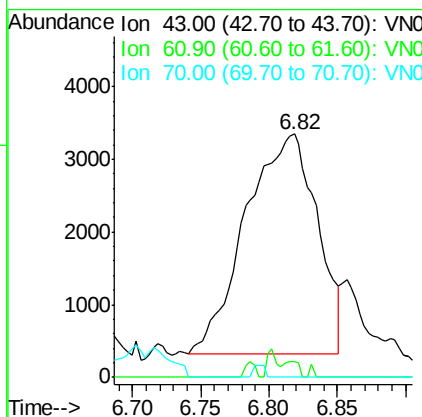
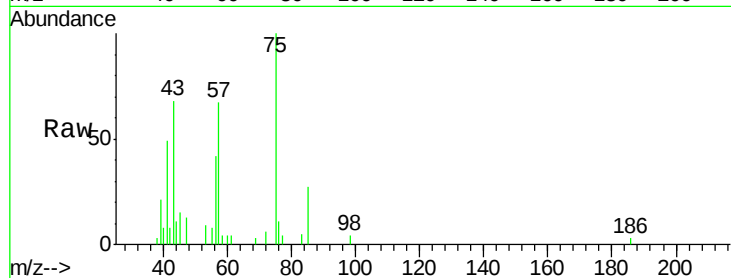




#37
Ethyl Acetate
Concen: 1.658 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.09 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

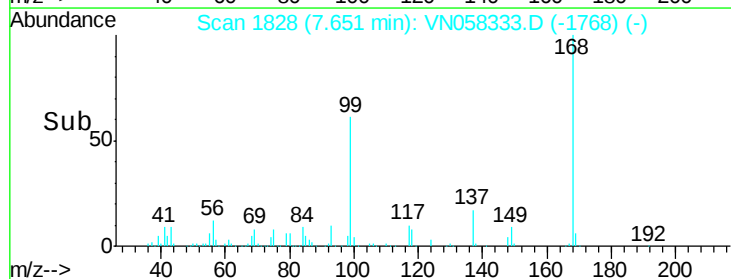
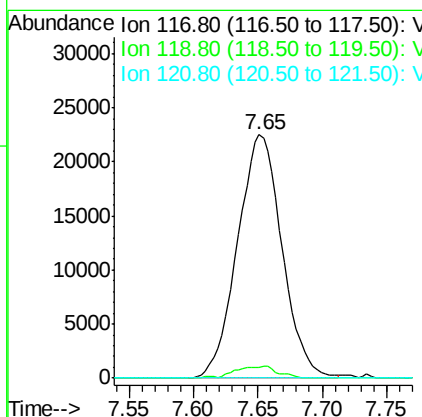
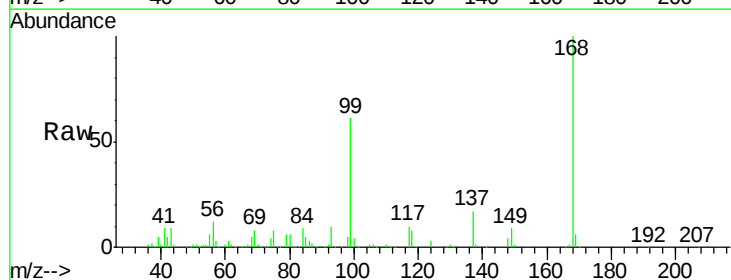
Instrument :
MSVOA_N
ClientSampled :

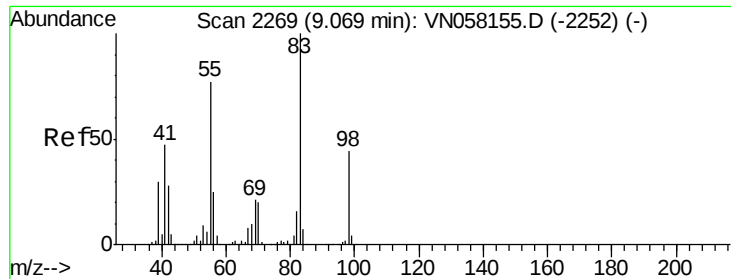
Tot Ion: 43 Resp: 10987
Ion Ratio Lower Upper
43 100
61 1.5 10.7 16.1#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 8.417 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 117 Resp: 54024
Ion Ratio Lower Upper
117 100
119 4.3 78.6 117.8#
121 0.0 24.1 36.1#

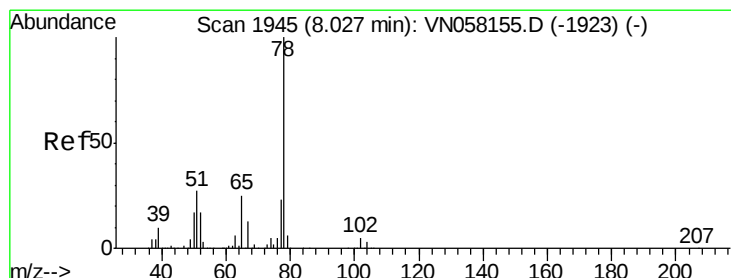
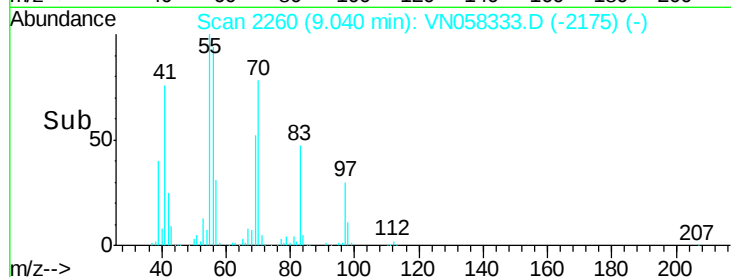
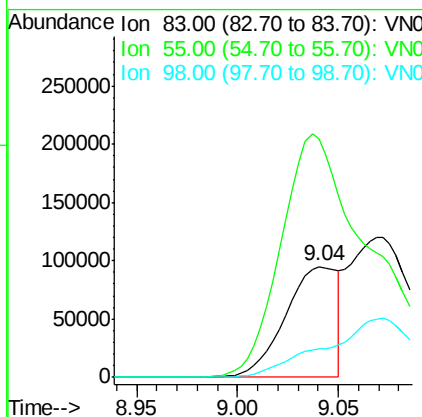
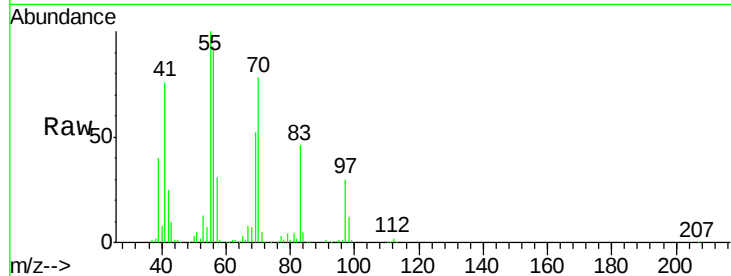




#39
Methvlcvclohexane
Concen: 27.652 ug/l
RT: 9.04 min Scan# 2260
Delta R.T. -0.03 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

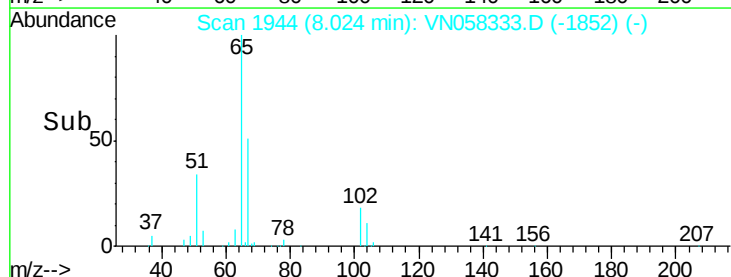
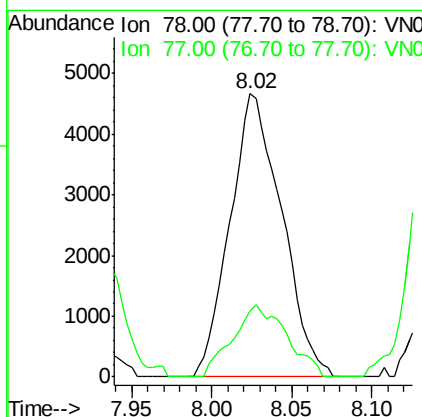
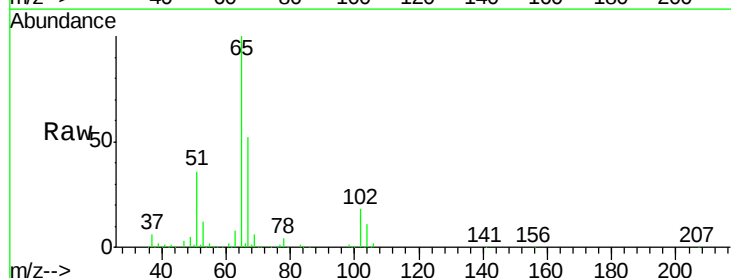
Instrument :
MSVOA_N
ClientSampled :

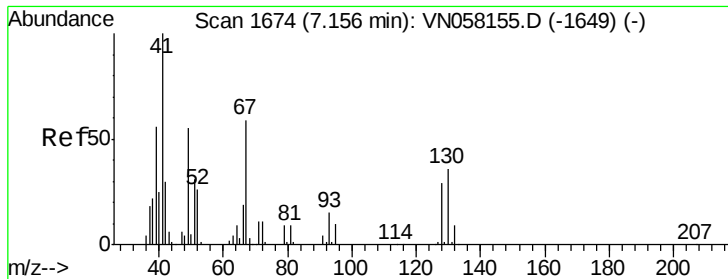
Tot Ion: 83 Resp: 170527
Ion Ratio Lower Upper
83 100
55 214.8 61.9 92.9#
98 25.4 35.4 53.2#



#40
Benzene
Concen: 0.529 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 78 Resp: 10314
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 1.322 ug/l

RT: 7.16 min Scan# 1676

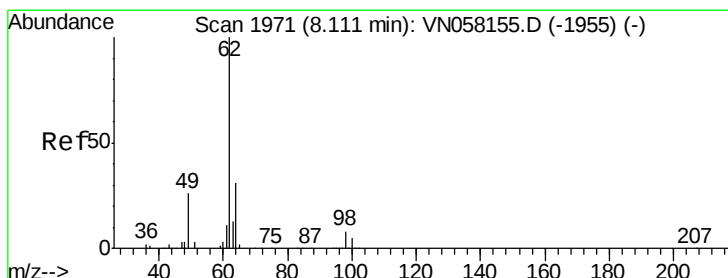
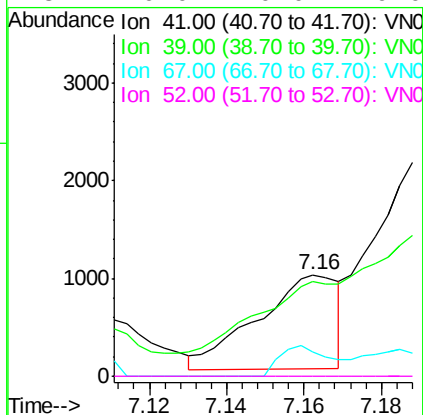
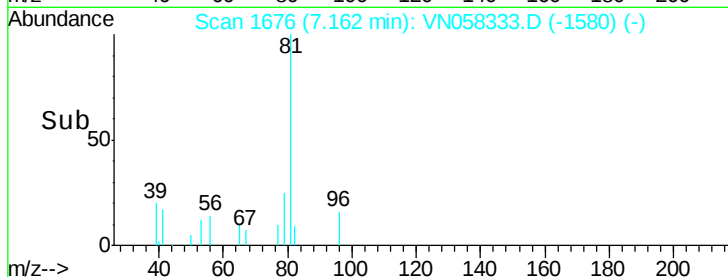
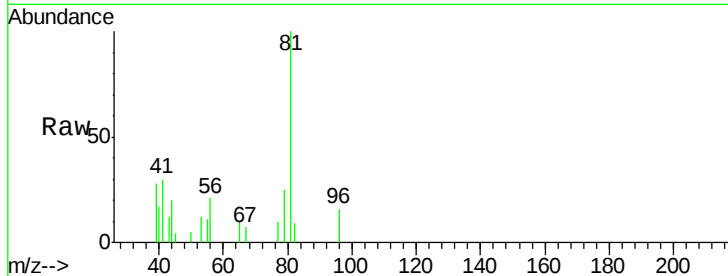
Delta R.T. 0.01 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	1397
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	21.5	0.0	0.0#
52	0.0	0.0	0.0



#42

1,2-Dichloroethane

Concen: 0.627 ug/l

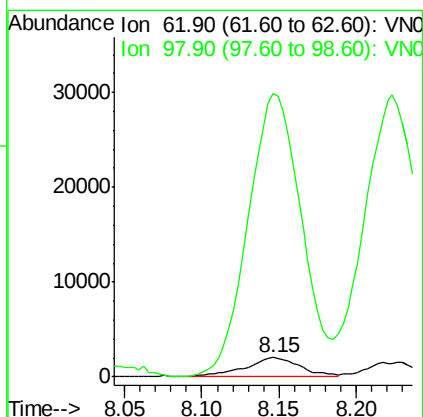
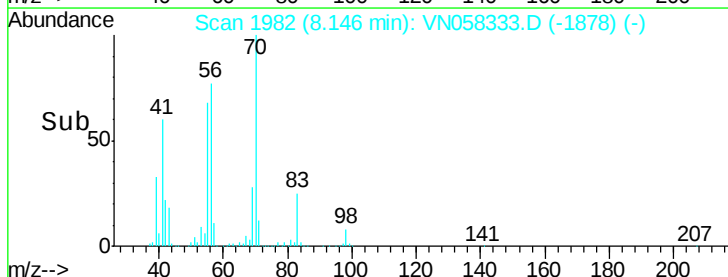
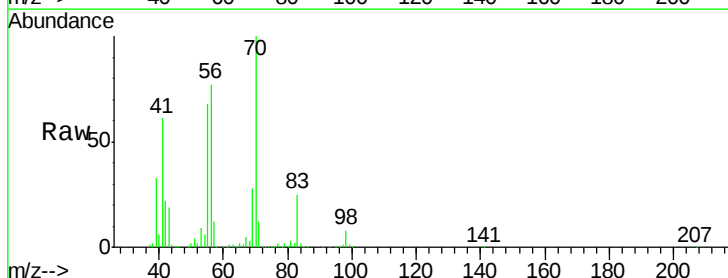
RT: 8.15 min Scan# 1982

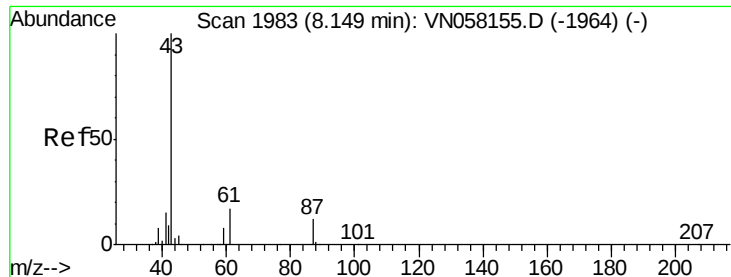
Delta R.T. 0.04 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Tgt Ion:	62	Resp:	5135
Ion	Ratio	Lower	Upper
62	100		
98	1398.8	0.0	15.6#





#43

Isopropyl Acetate

Concen: 15.292 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.01 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampled :

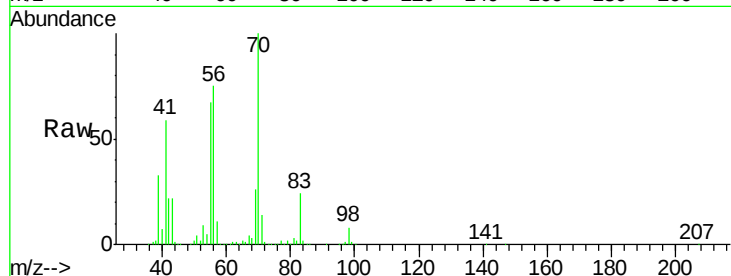
Tot Ion: 43 Resp: 189255

Ion Ratio Lower Upper

43 100

61 0.7 19.7 29.5#

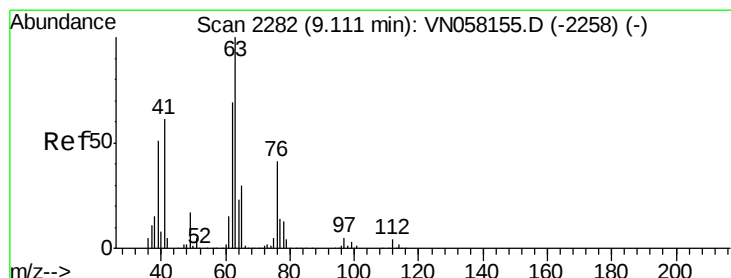
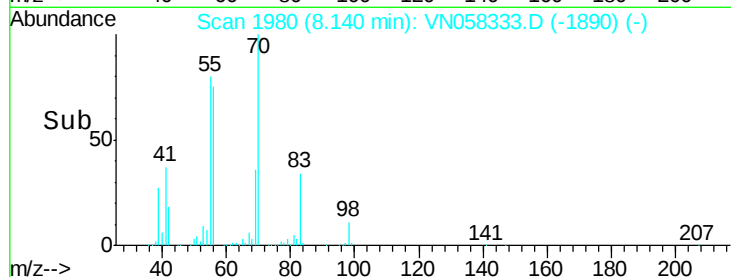
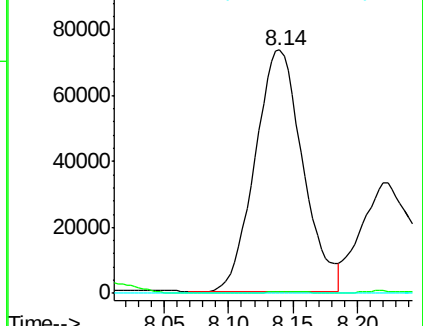
87 0.0 9.4 14.2#



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



#45

1,2-Dichloropropane

Concen: 1.276 ug/l

RT: 9.04 min Scan# 2259

Delta R.T. -0.07 min

Lab File: VN058333.D

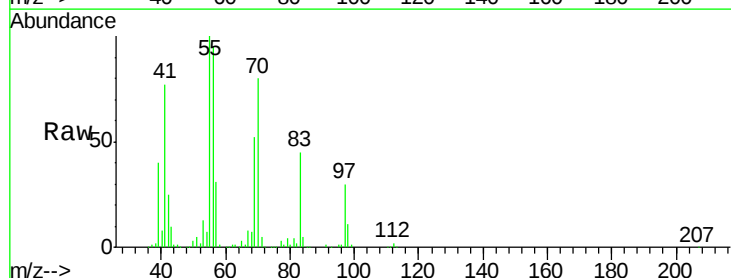
Acq: 24 Sep 2019 7:24

Tgt Ion: 63 Resp: 7432

Ion Ratio Lower Upper

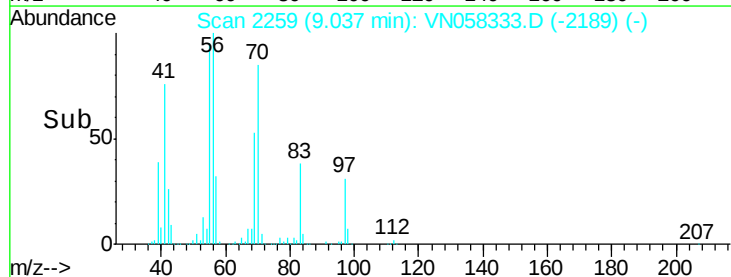
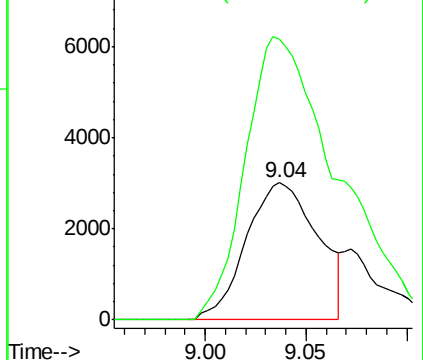
63 100

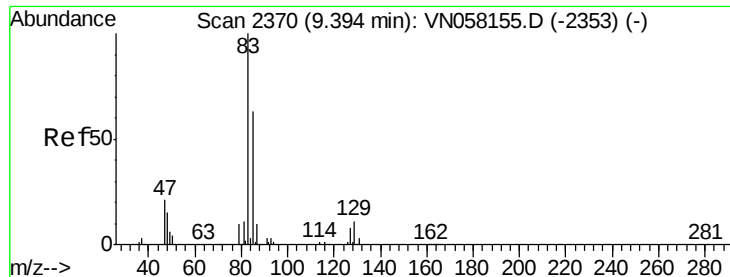
65 204.0 23.8 35.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 3.598 ug/l

RT: 9.36 min Scan# 2359

Delta R.T. -0.04 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampleId :

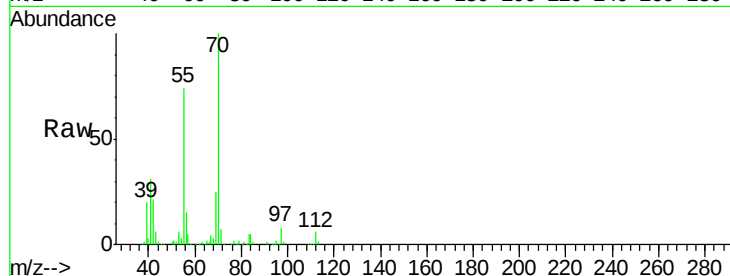
Tot Ion: 83 Resp: 26689

Ion Ratio Lower Upper

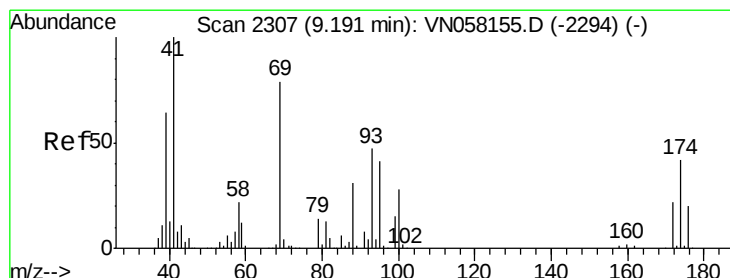
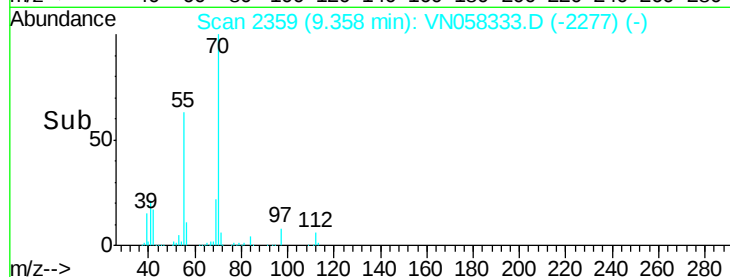
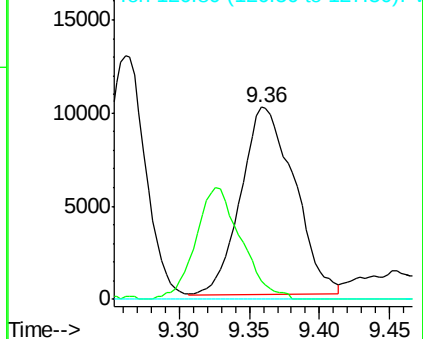
83 100

85 9.9 50.1 75.1#

127 0.0 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 5.918 ug/l

RT: 9.13 min Scan# 2289

Delta R.T. -0.06 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

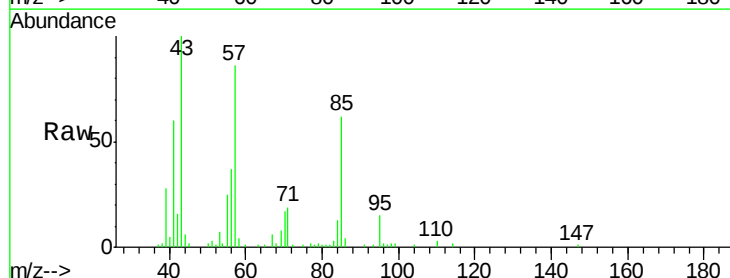
Tgt Ion: 41 Resp: 33252

Ion Ratio Lower Upper

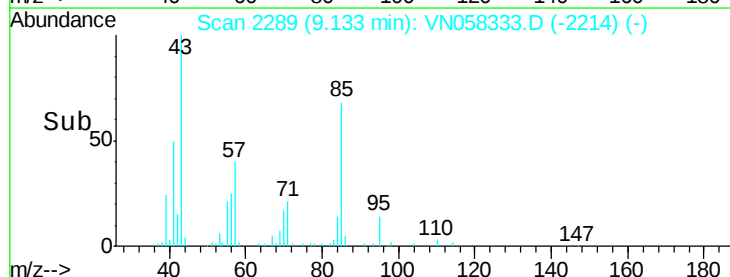
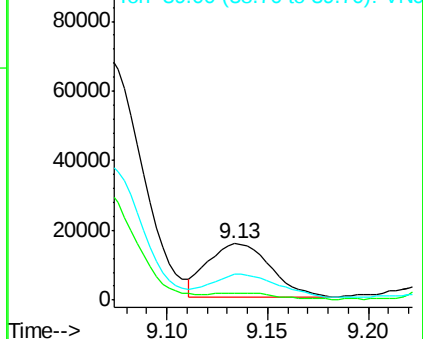
41 100

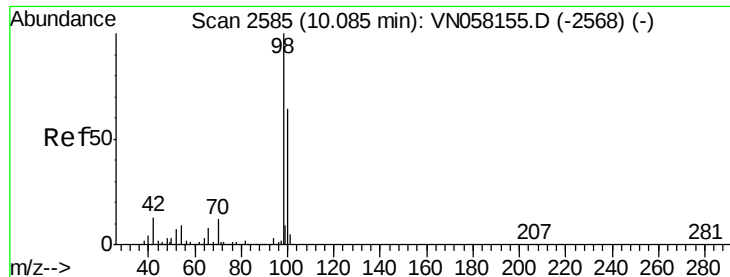
69 0.0 62.5 93.7#

39 47.0 52.3 78.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 57.578 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

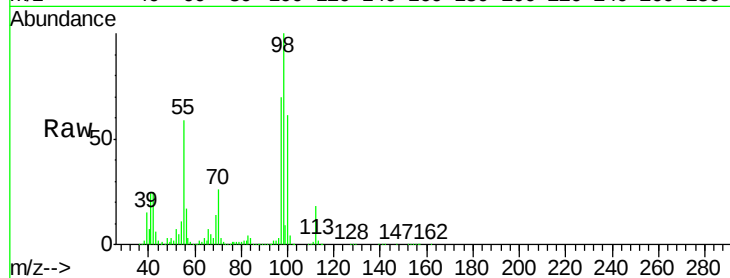
ClientSampleId :

Tot Ion: 98 Resp: 1207561

Ion Ratio Lower Upper

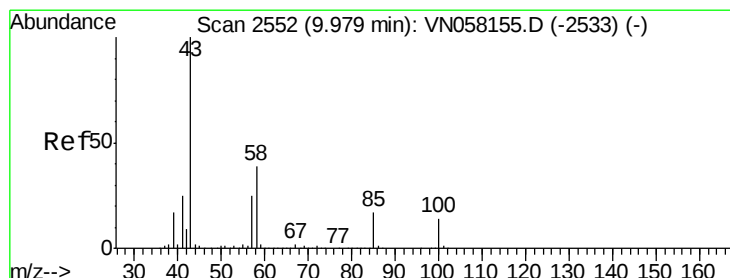
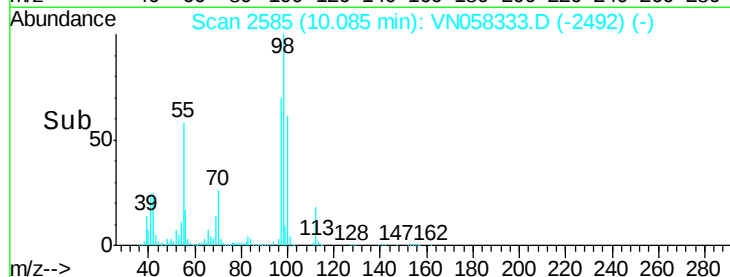
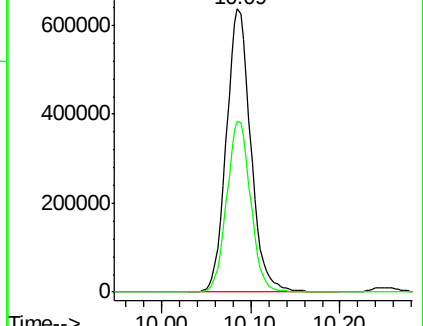
98 100

100 58.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.231 ug/l

RT: 10.00 min Scan# 2557

Delta R.T. 0.02 min

Lab File: VN058333.D

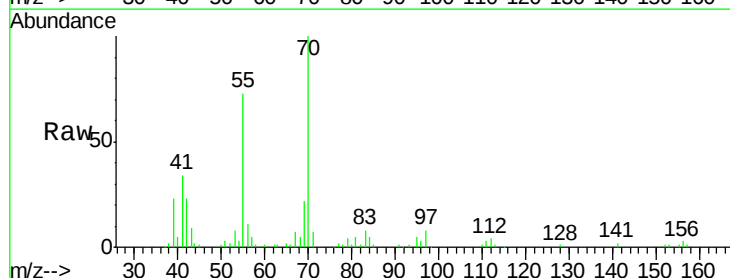
Acq: 24 Sep 2019 7:24

Tgt Ion: 43 Resp: 8091

Ion Ratio Lower Upper

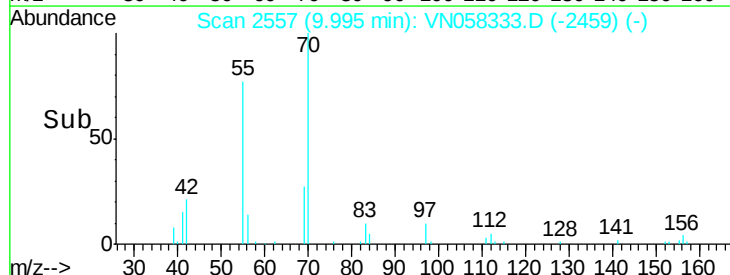
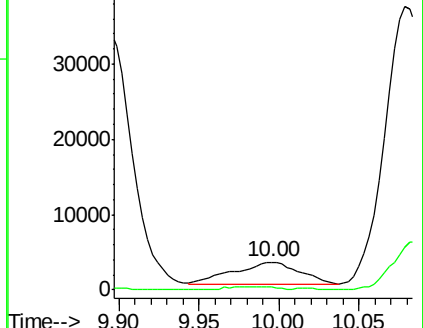
43 100

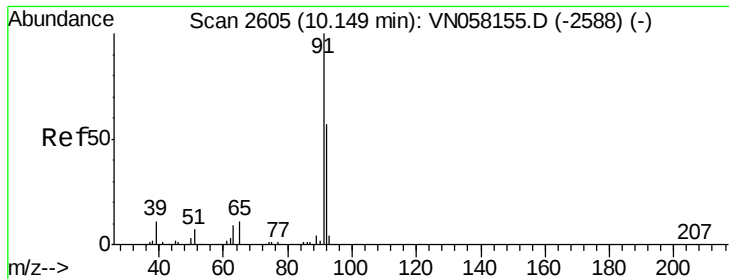
58 7.6 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.622 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

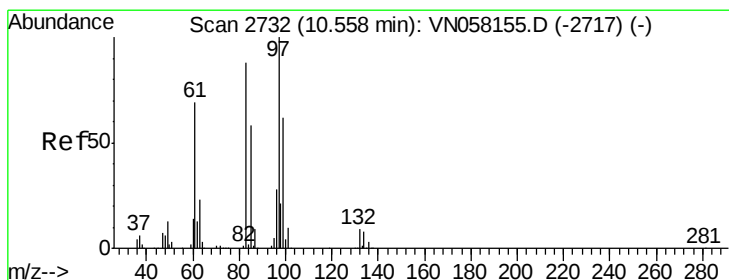
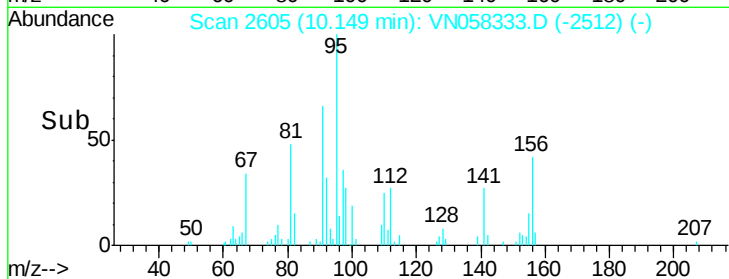
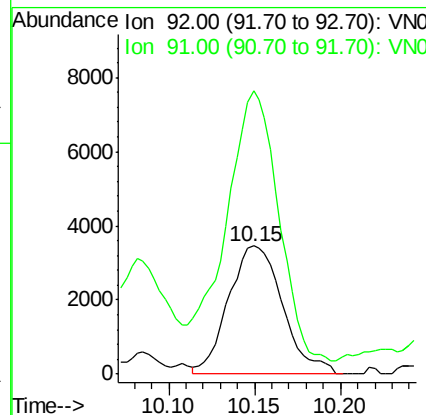
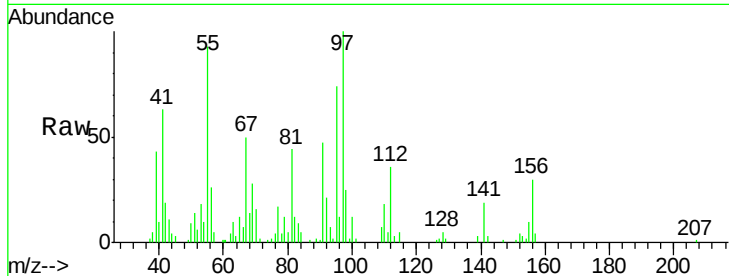
ClientSampled :

Tot Ion: 92 Resp: 7599

Ion Ratio Lower Upper

92 100

91 202.0 140.2 210.2



#55

1,1,2-Trichloroethane

Concen: 56.375 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Tgt Ion: 97 Resp: 305793

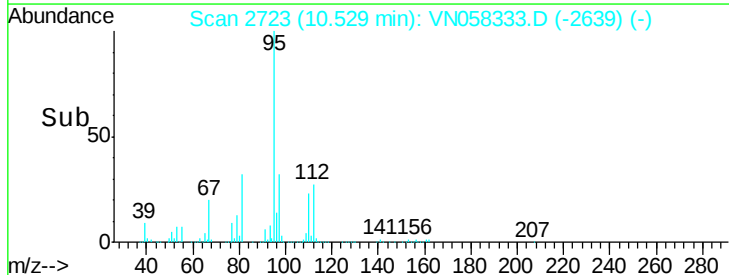
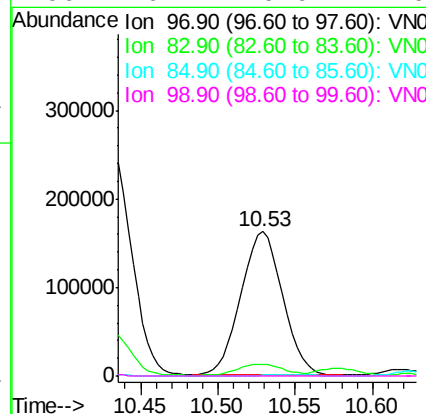
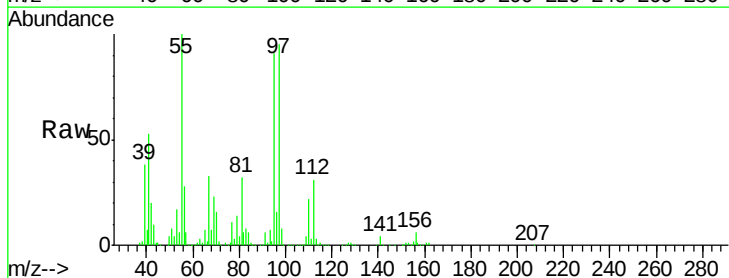
Ion Ratio Lower Upper

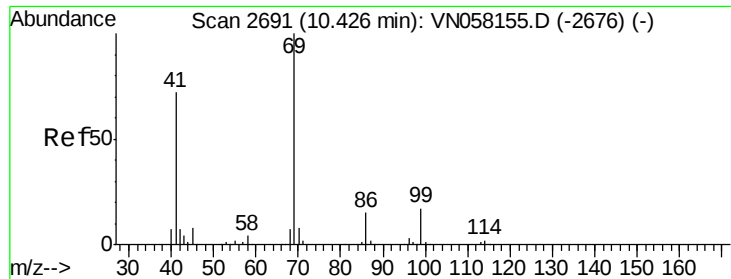
97 100

83 8.1 70.4 105.6#

85 0.6 46.8 70.2#

99 0.4 49.9 74.9#

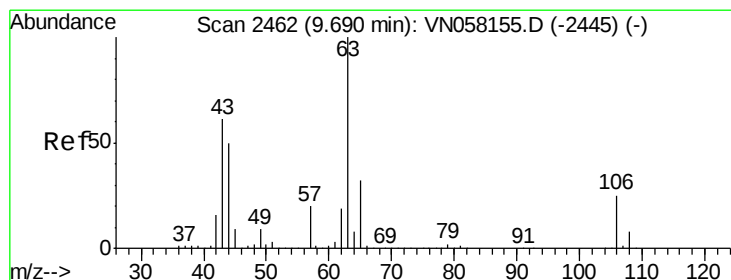
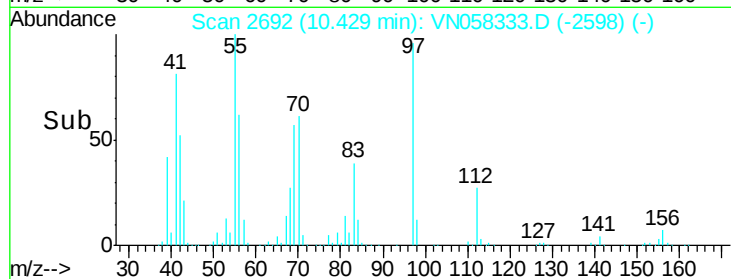
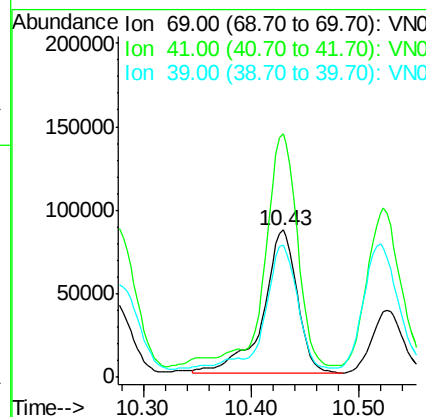
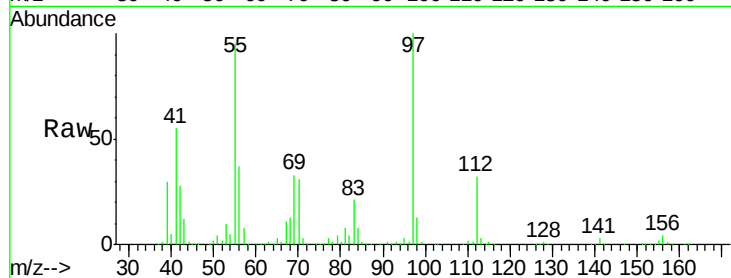




#56
Ethyl methacrylate
Concen: 24.113 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

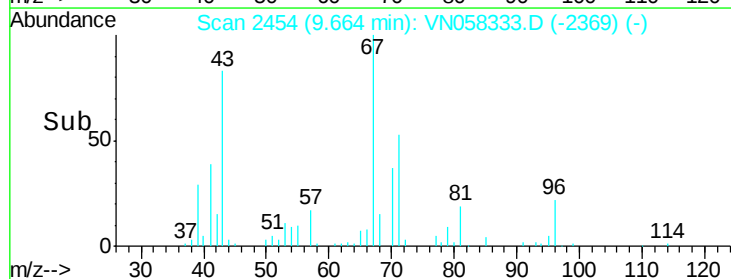
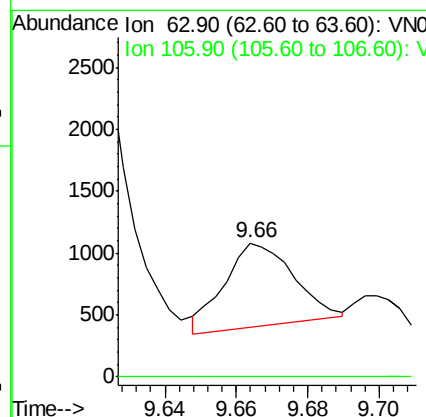
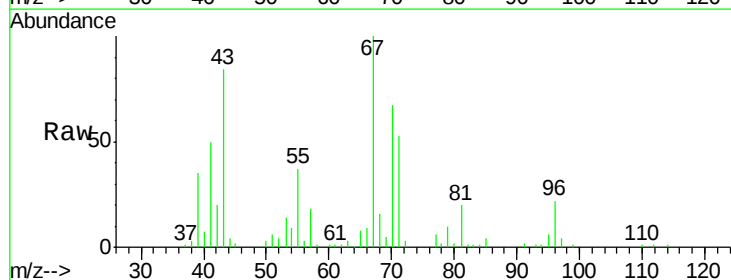
Instrument :
MSVOA_N
ClientSampled :

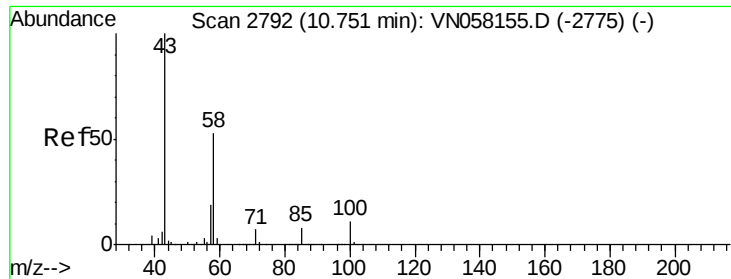
Tot Ion: 69 Resp: 188715
Ion Ratio Lower Upper
69 100
41 141.1 57.5 86.3#
39 83.1 36.1 54.1#



#58
2-Chloroethyl Vinyl ether
Concen: 0.243 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.03 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 63 Resp: 905
Ion Ratio Lower Upper
63 100
106 0.0 19.9 29.9#

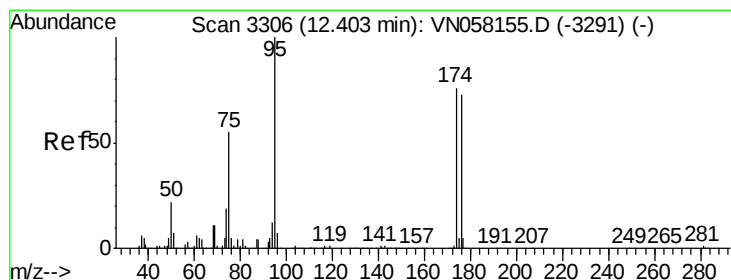
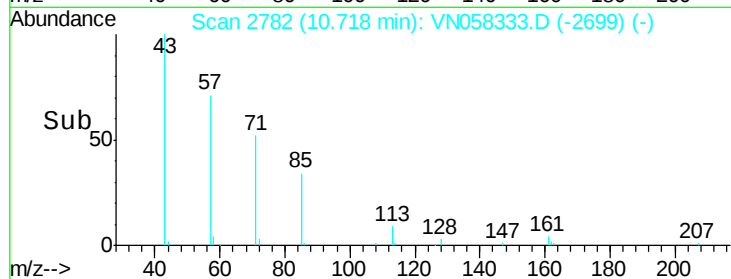
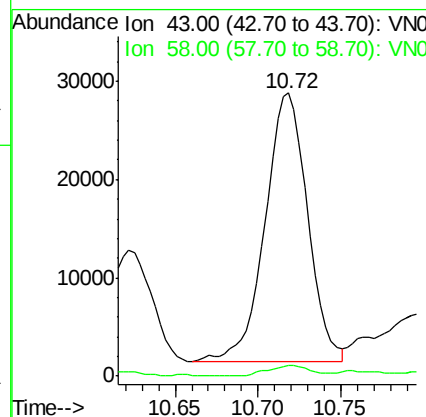
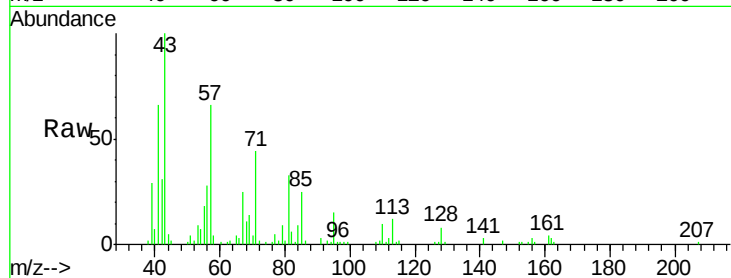




#59
2-Hexanone
Concen: 10.082 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

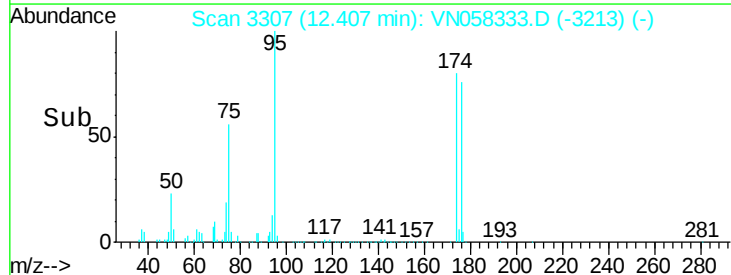
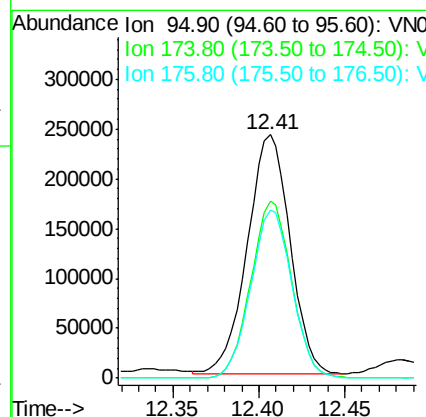
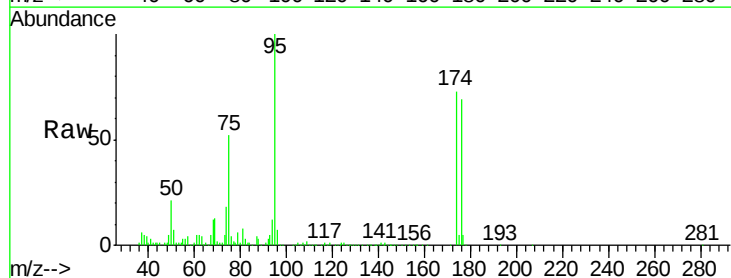
Instrument :
MSVOA_N
ClientSampleId :

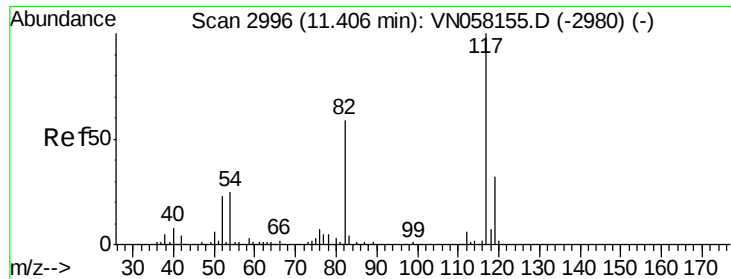
Tot Ion: 43 Resp: 49224
Ion Ratio Lower Upper
43 100
58 3.9 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 52.962 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 95 Resp: 412599
Ion Ratio Lower Upper
95 100
174 70.9 0.0 152.2
176 68.0 0.0 148.0

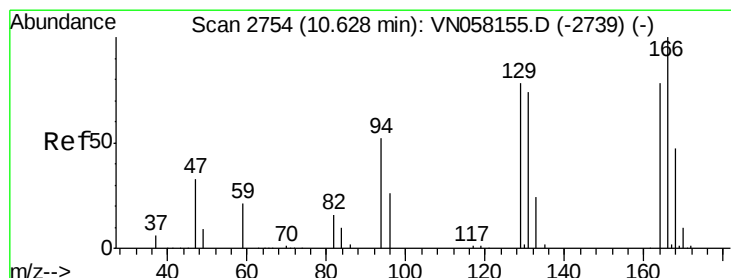
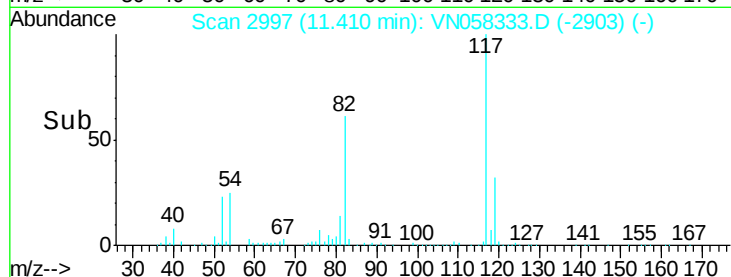
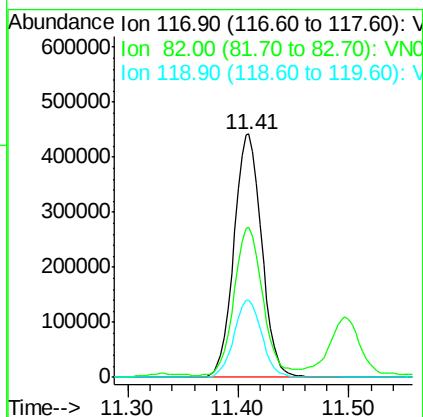
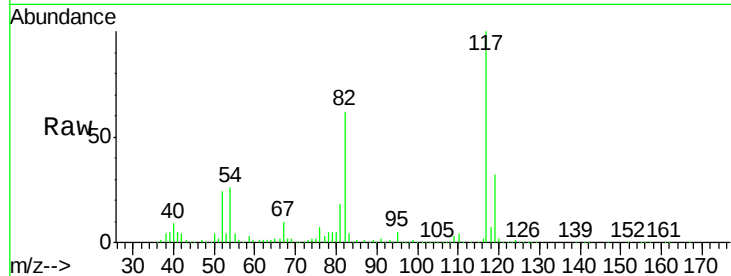




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

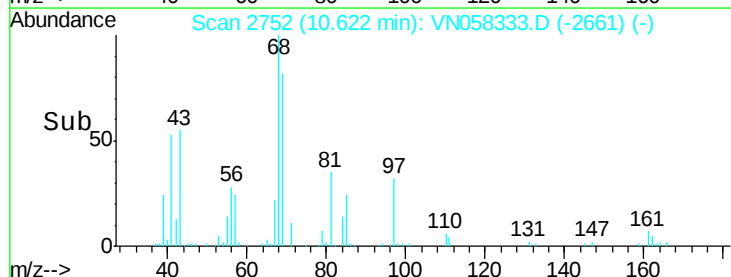
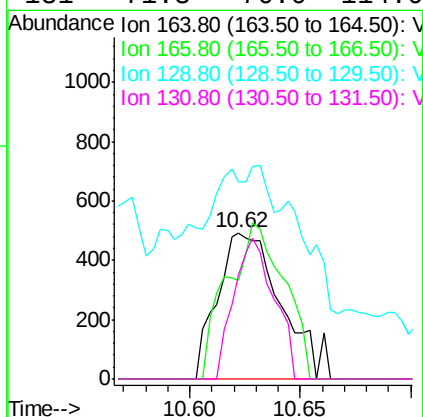
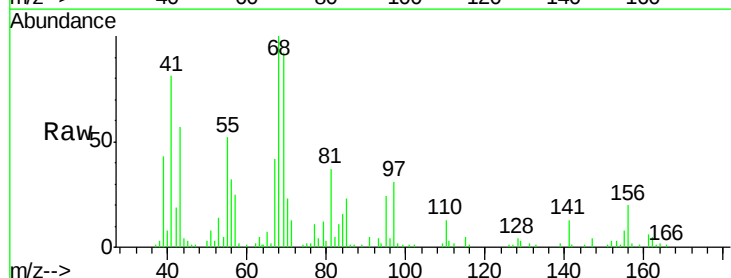
Instrument :
MSVOA_N
ClientSampled :

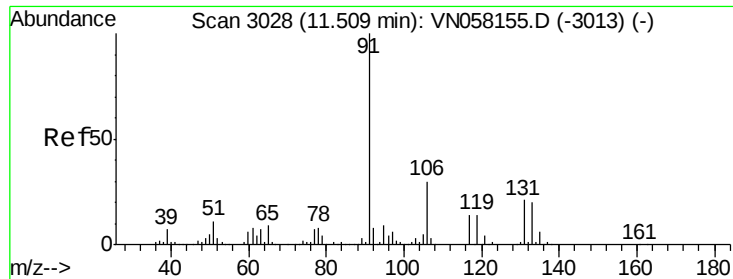
Tot Ion:117 Resp: 769716
Ion Ratio Lower Upper
117 100
82 60.9 46.9 70.3
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 0.263 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.01 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion:164 Resp: 986
Ion Ratio Lower Upper
164 100
166 67.3 102.2 153.4#
129 91.1 79.6 119.4
131 71.3 76.0 114.0#

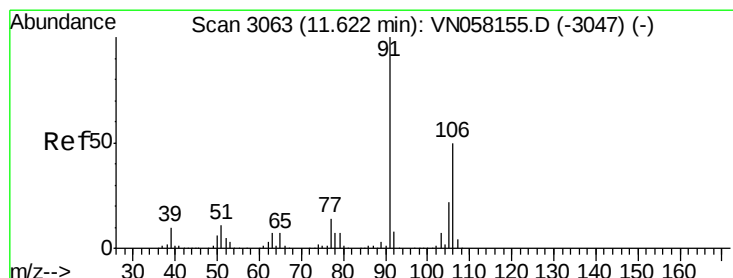
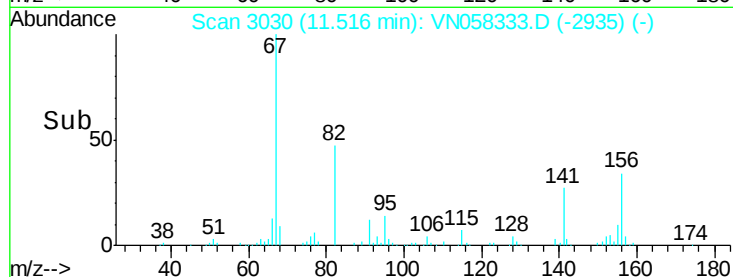
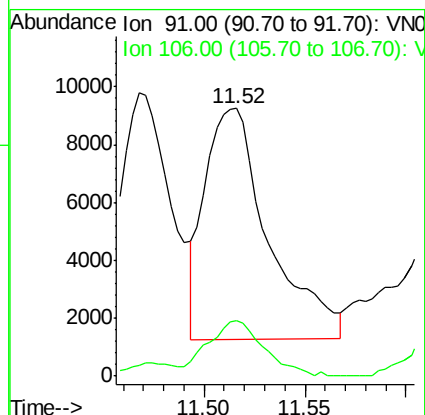
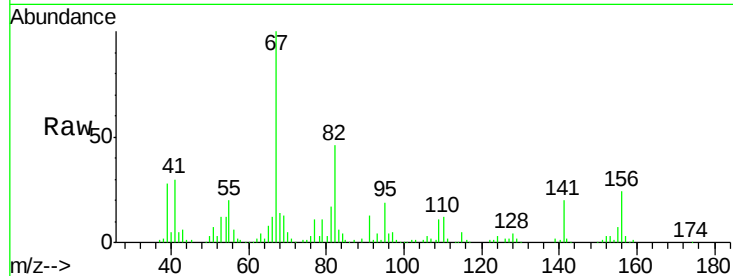




#67
Ethyl Benzene
Concen: 0.750 ug/l
RT: 11.52 min Scan# 3030
Delta R.T. 0.01 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

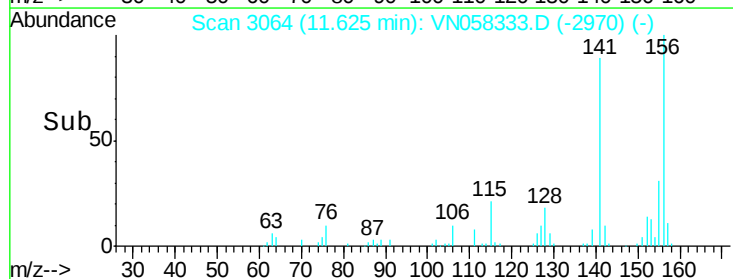
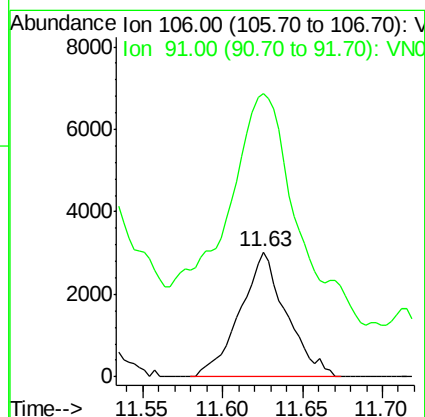
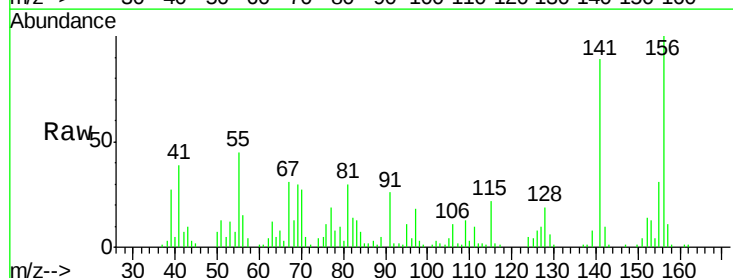
Instrument :
MSVOA_N
ClientSampleId :

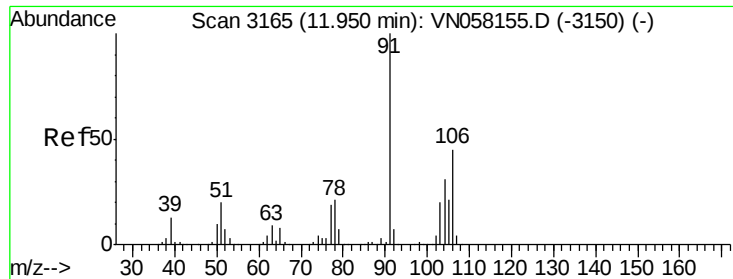
Tot Ion: 91 Resp: 17395
Ion Ratio Lower Upper
91 100
106 27.0 24.0 36.0



#68
m/p-Xylenes
Concen: 0.688 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 106 Resp: 6008
Ion Ratio Lower Upper
106 100
91 286.9 163.6 245.4#

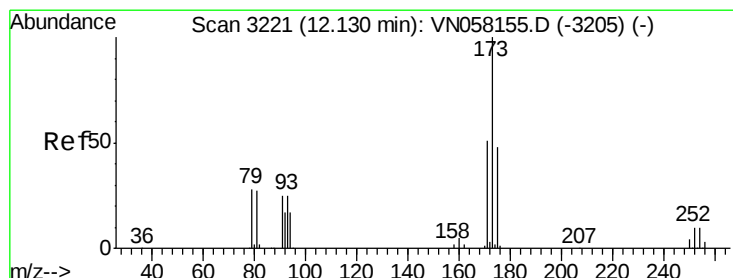
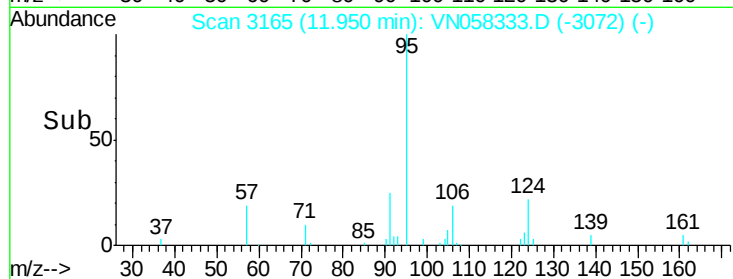
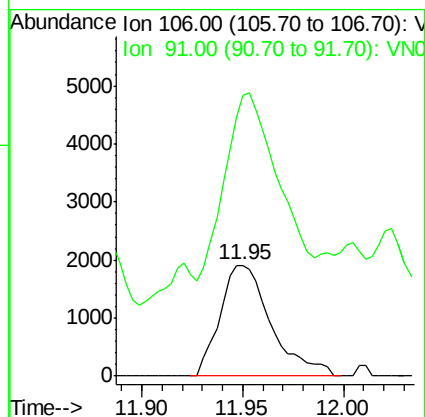
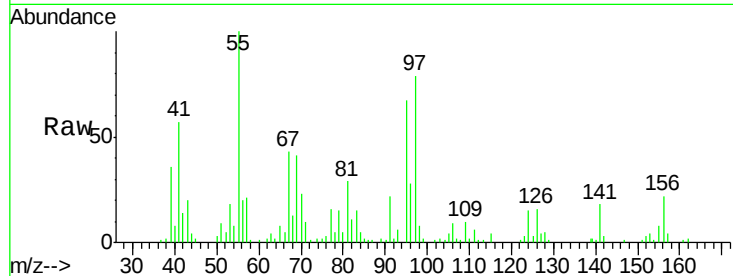




#69
o-Xylene
Concen: 0.392 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

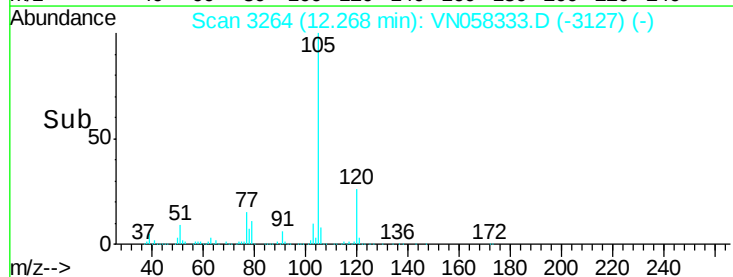
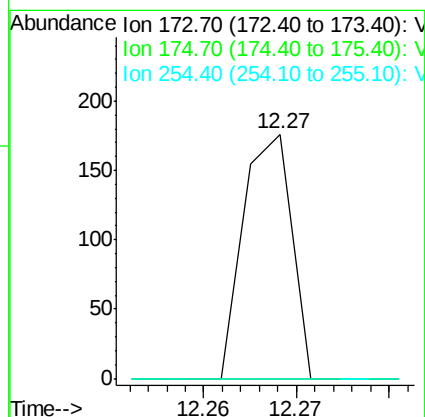
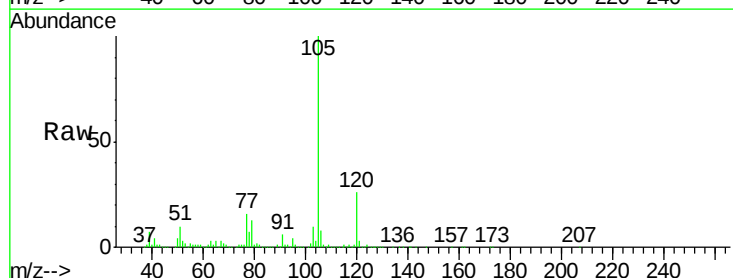
Instrument :
MSVOA_N
ClientSampled :

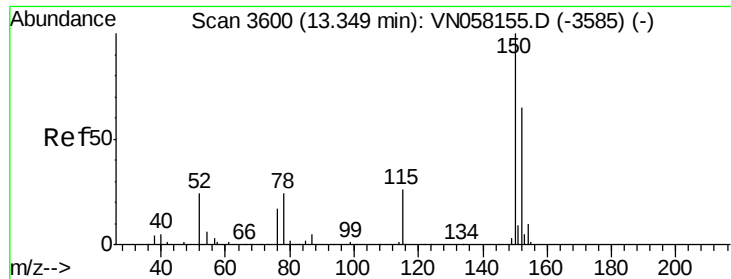
Tot Ion:106 Resp: 3364
Ion Ratio Lower Upper
106 100
91 175.2 111.8 335.3



#71
Bromoform
Concen: 3.611 ug/l
RT: 12.27 min Scan# 3264
Delta R.T. 0.14 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion:173 Resp: 64
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampleId :

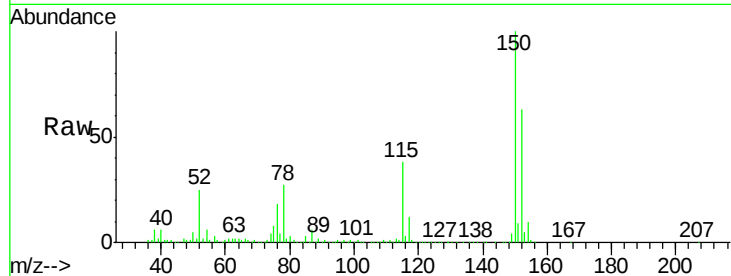
Tot Ion:152 Resp: 337715

Ion Ratio Lower Upper

152 100

115 61.9 30.1 90.3

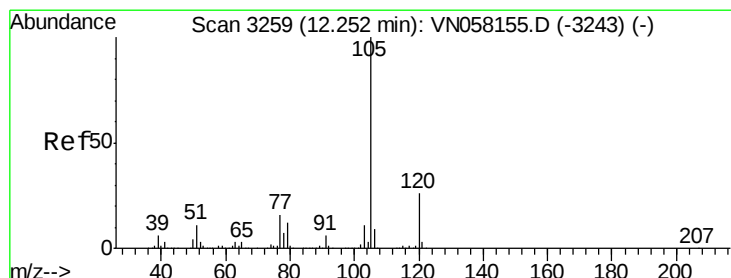
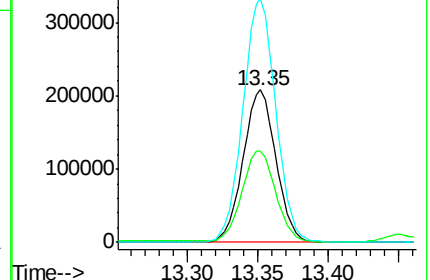
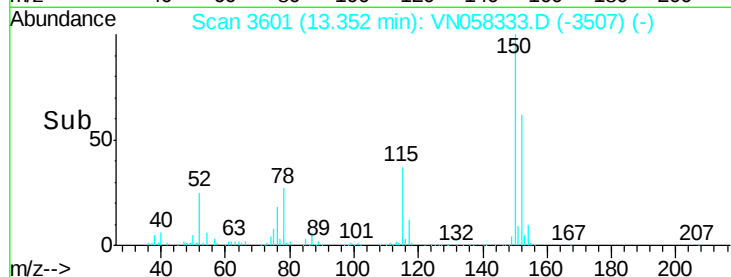
150 160.6 0.0 346.4



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: 79.670 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058333.D

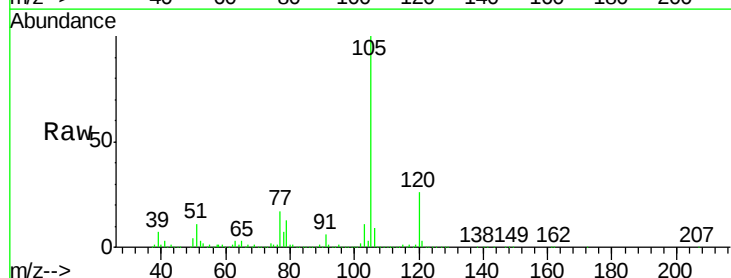
Acq: 24 Sep 2019 7:24

Tgt Ion:105 Resp: 1684125

Ion Ratio Lower Upper

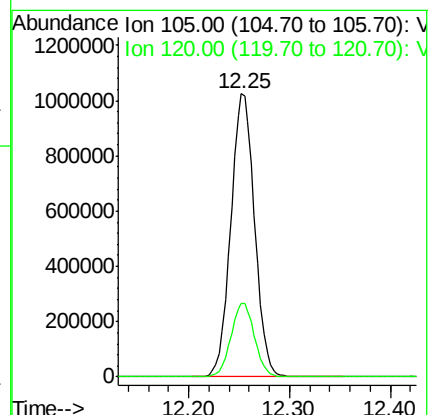
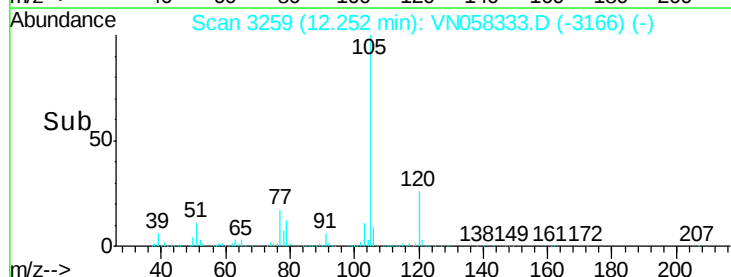
105 100

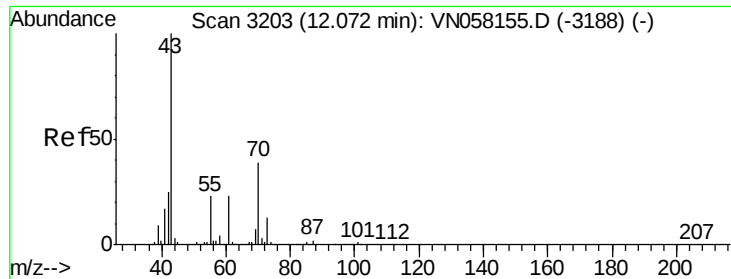
120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

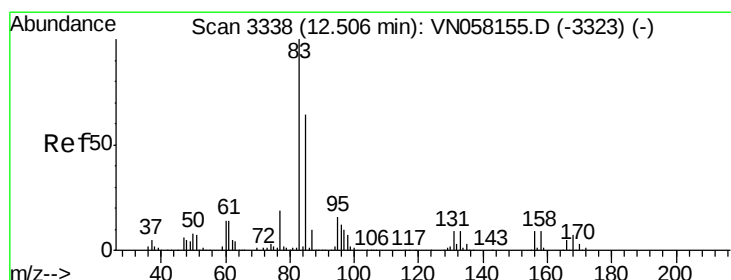
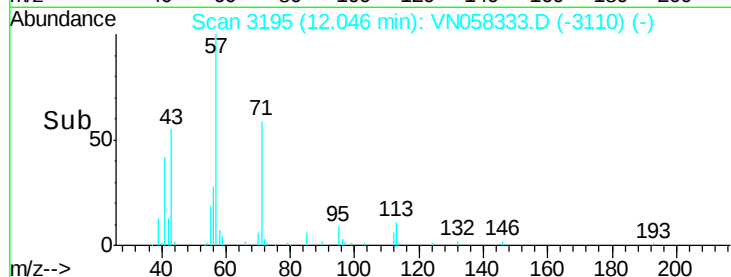
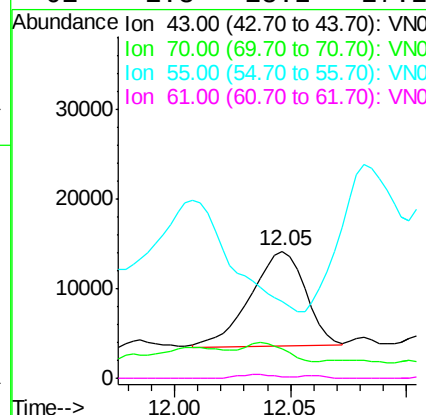
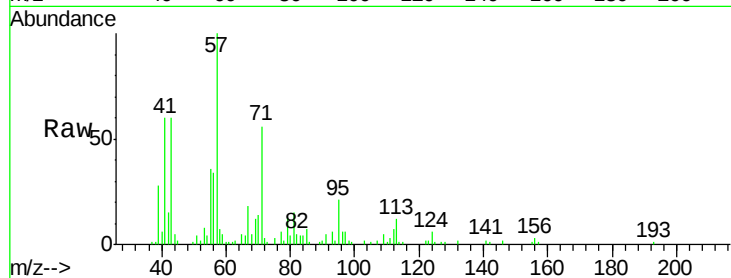




#74
N-amyl acetate
Concen: 1.994 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.03 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

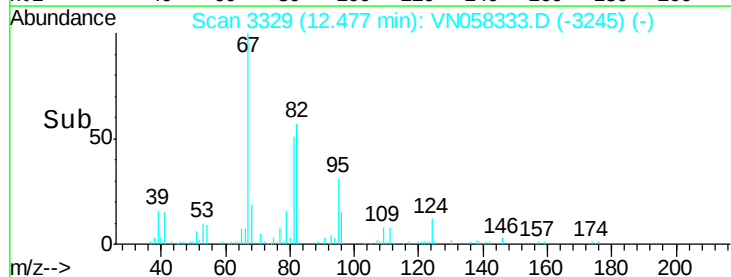
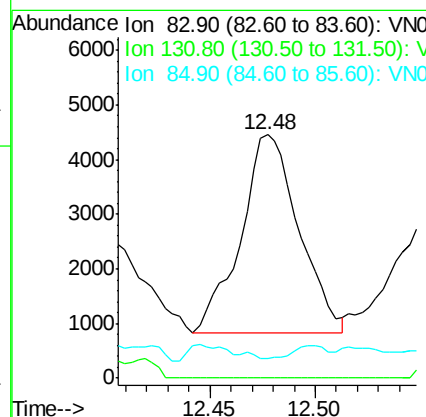
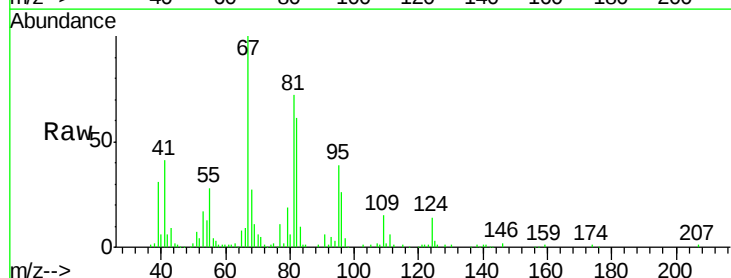
Instrument :
MSVOA_N
ClientSampleId :

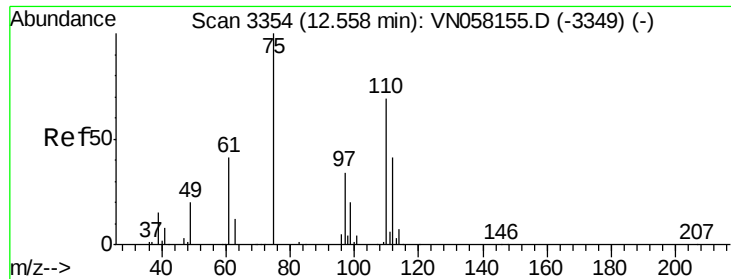
Tot Ion:	43	Resp:	17634
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.0	46.6#
55	0.0	18.5	27.7#
61	1.3	18.2	27.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.980 ug/l
RT: 12.48 min Scan# 3329
Delta R.T. -0.03 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion:	83	Resp:	6934
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	31.9	95.5#





#76

1,2,3-Trichloropropane

Concen: 2.898 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

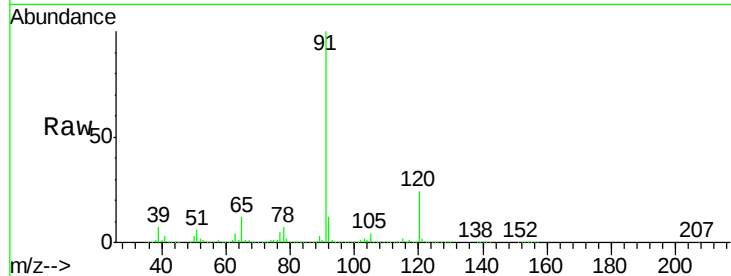
ClientSampled :

Tot Ion: 75 Resp: 17516

Ion Ratio Lower Upper

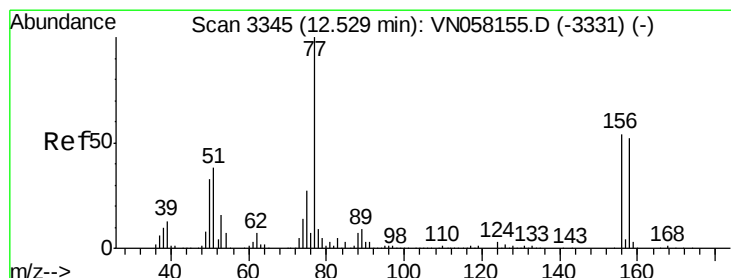
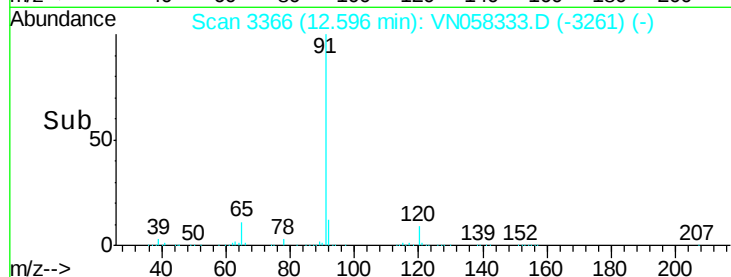
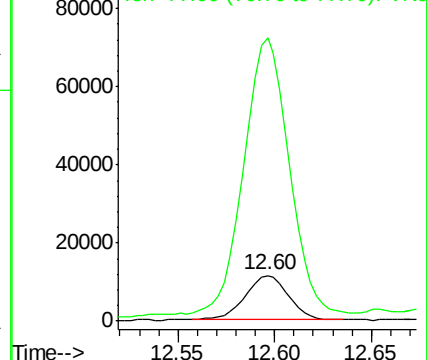
75 100

77 681.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)



#77

Bromobenzene

Concen: 5.005 ug/l

RT: 12.60 min Scan# 3368

Delta R.T. 0.07 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

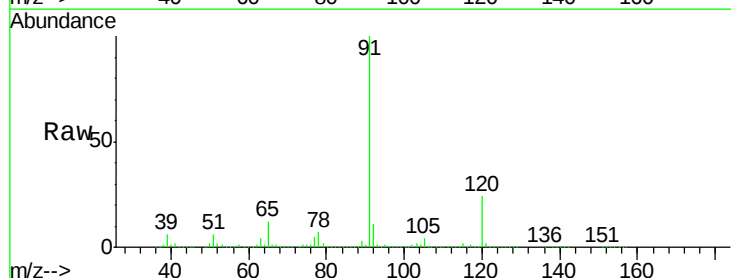
Tgt Ion: 156 Resp: 26611

Ion Ratio Lower Upper

156 100

77 448.2 111.7 335.1#

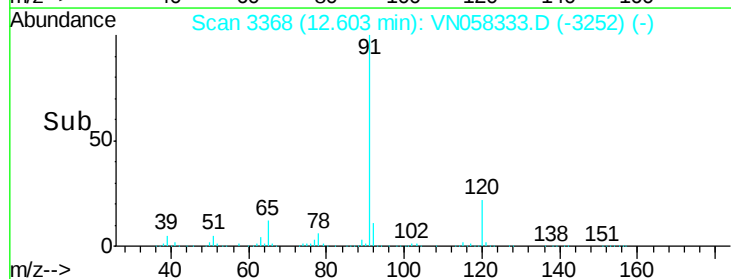
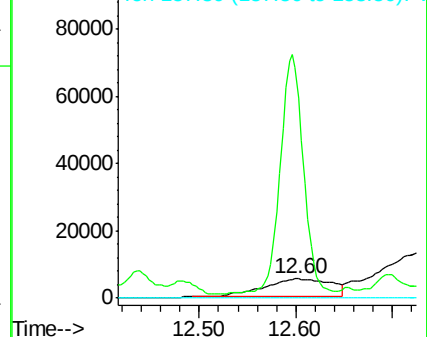
158 0.0 47.9 143.8#

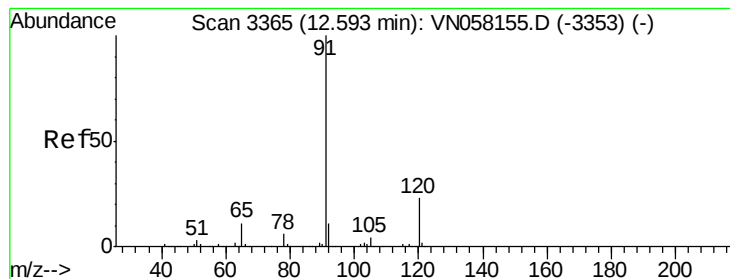


Abundance Ion 155.80 (155.50 to 156.50): VN058155.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058155.D (-3331) (-)





#78

n-propylbenzene

Concen: 108.485 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

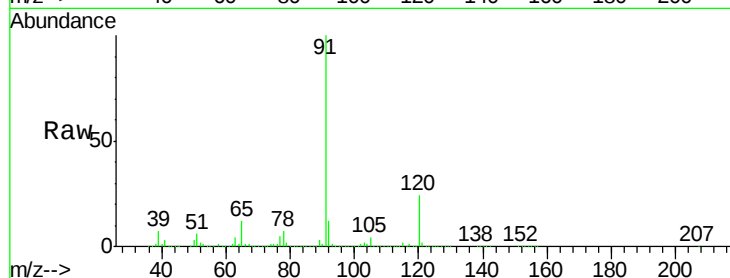
ClientSampled :

Tot Ion: 91 Resp: 2605935

Ion Ratio Lower Upper

91 100

120 23.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.60

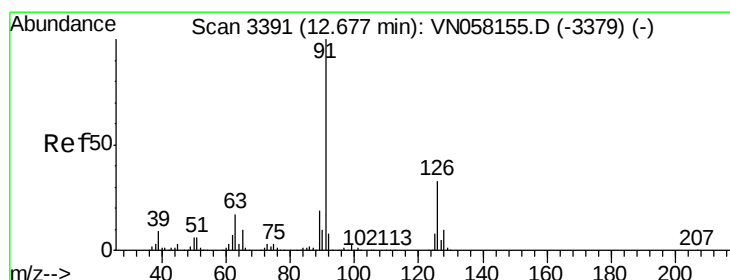
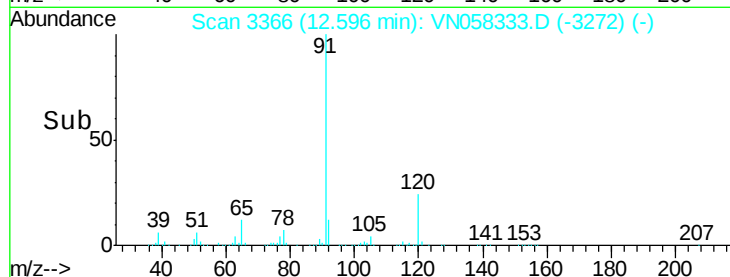
1500000

1000000

500000

0

Time--> 12.50 12.60 12.70



#79

2-Chlorotoluene

Concen: 173.585 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058333.D

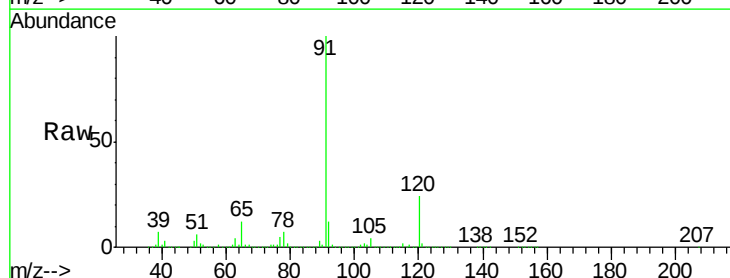
Acq: 24 Sep 2019 7:24

Tgt Ion: 91 Resp: 2605935

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.60

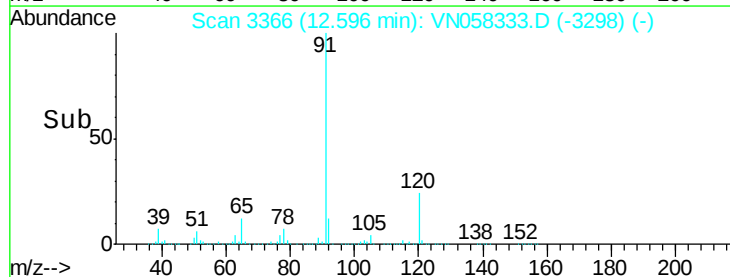
1500000

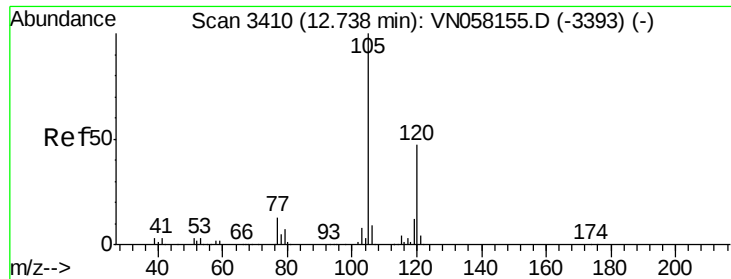
1000000

500000

0

Time--> 12.50 12.60 12.70

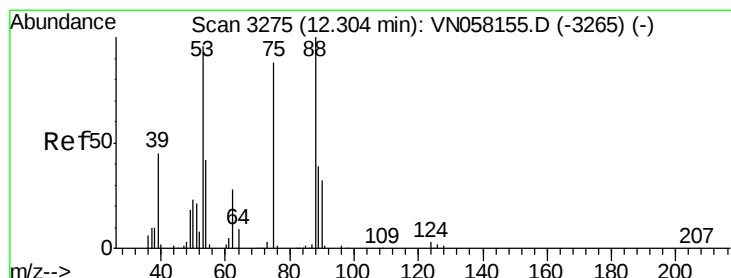
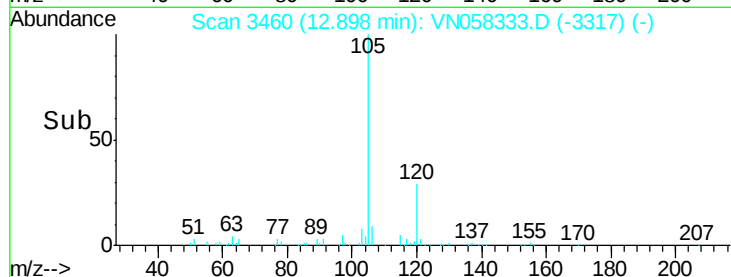
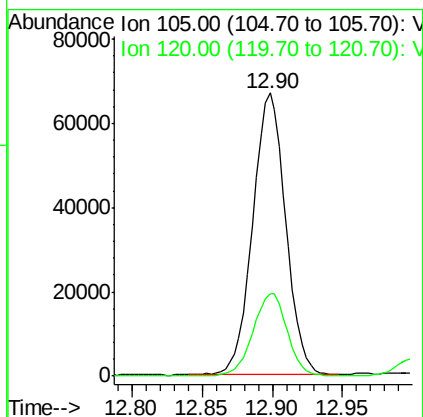
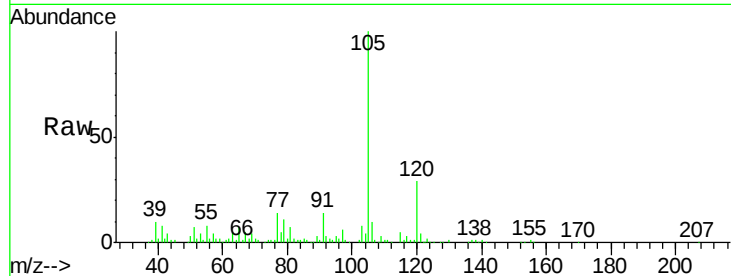




#80
 1,3,5-Trimethylbenzene
 Concen: 6.141 ug/l
 RT: 12.90 min Scan# 3460
 Delta R.T. 0.16 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

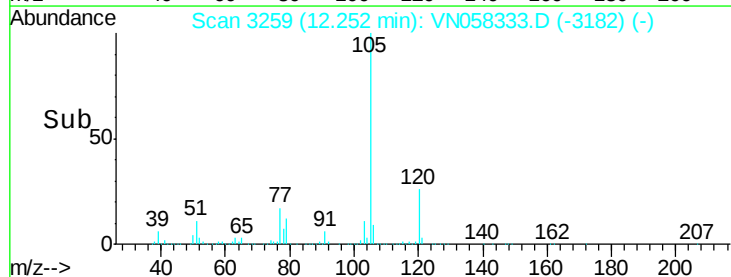
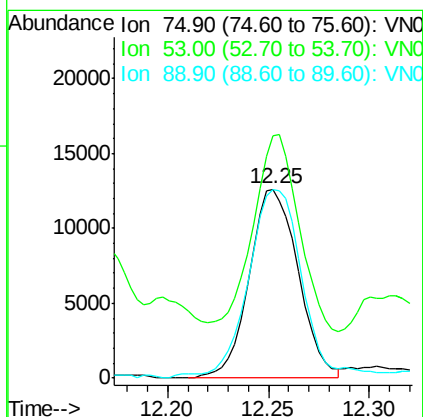
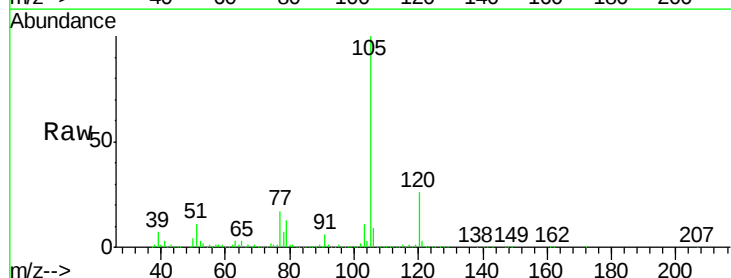
Instrument :
 MSVOA_N
 ClientSampled :

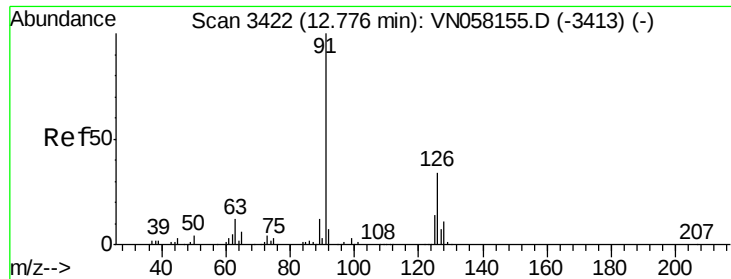
Tot Ion:105 Resp: 109779
 Ion Ratio Lower Upper
 105 100
 120 30.4 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.091 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.05 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

Tgt Ion: 75 Resp: 21380
 Ion Ratio Lower Upper
 75 100
 53 96.4 90.1 135.1
 89 110.4 36.2 54.2#

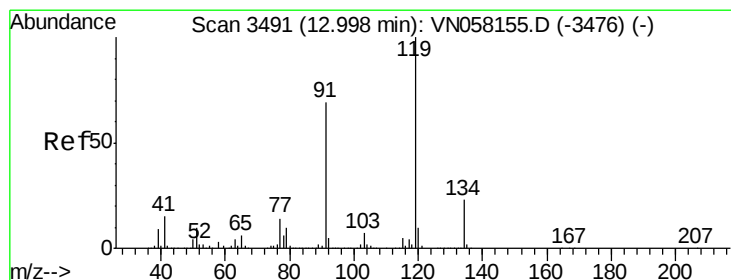
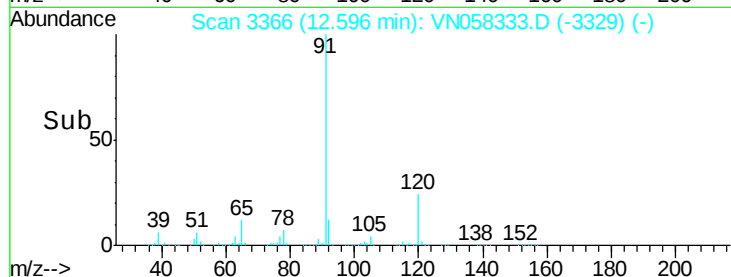
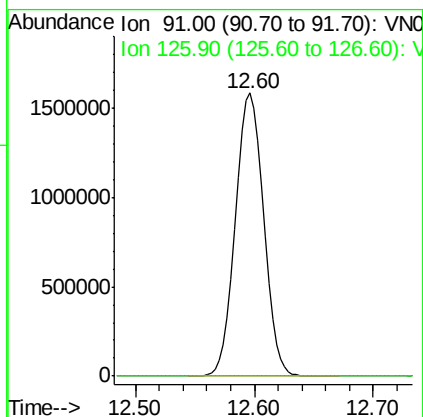
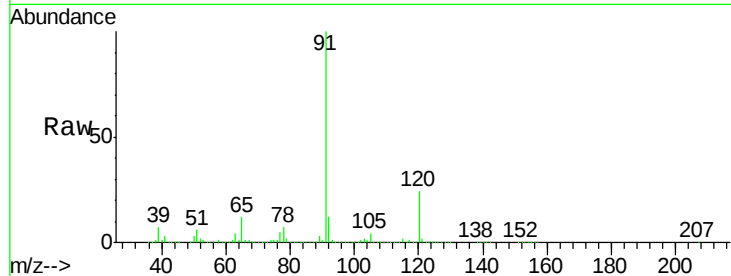




#82
4-Chlorotoluene
Concen: 165.135 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. -0.18 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

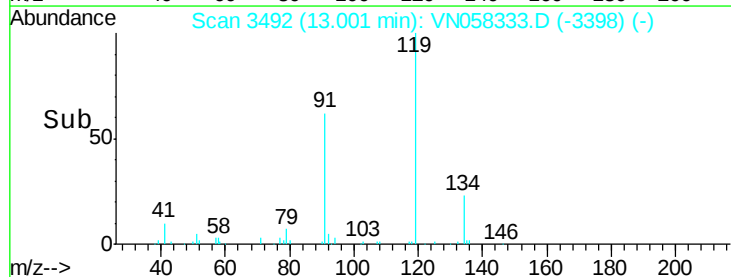
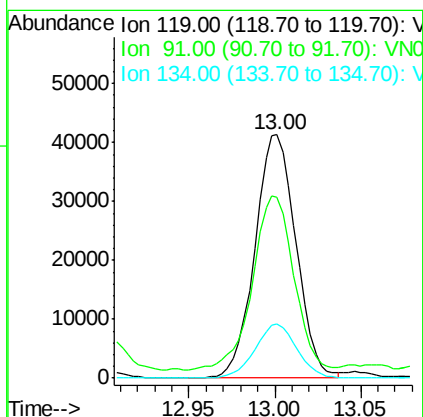
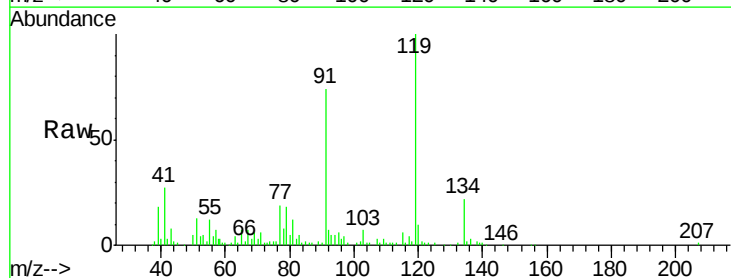
Instrument :
MSVOA_N
ClientSampleId :

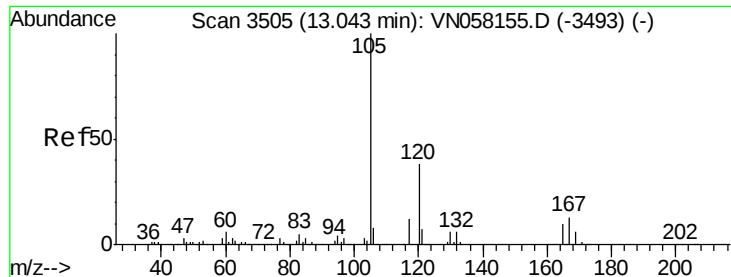
Tot Ion: 91 Resp: 2605935
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#83
tert-Butylbenzene
Concen: 4.290 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 119 Resp: 68388
Ion Ratio Lower Upper
119 100
91 71.4 33.8 101.3
134 22.4 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 6.171 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. -0.14 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

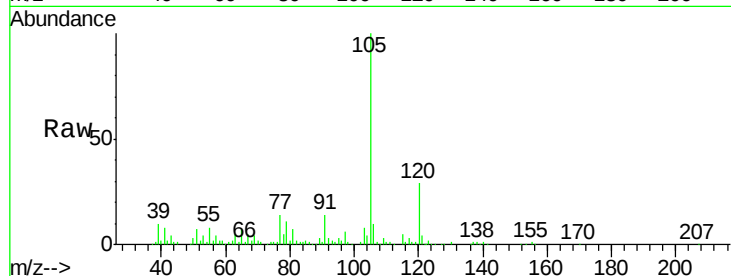
ClientSampled :

Tot Ion:105 Resp: 109779

Ion Ratio Lower Upper

105 100

120 30.4 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.90

80000

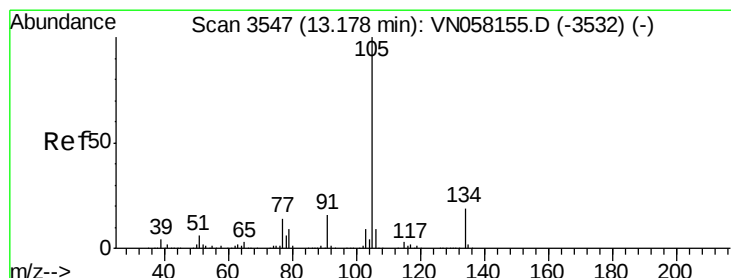
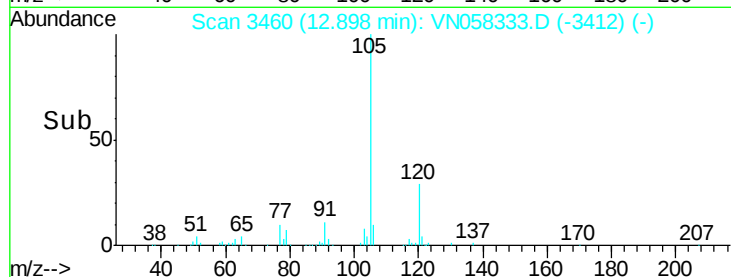
60000

40000

20000

0

Time--> 12.80 12.85 12.90 12.95



#85

sec-Butylbenzene

Concen: 19.972 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058333.D

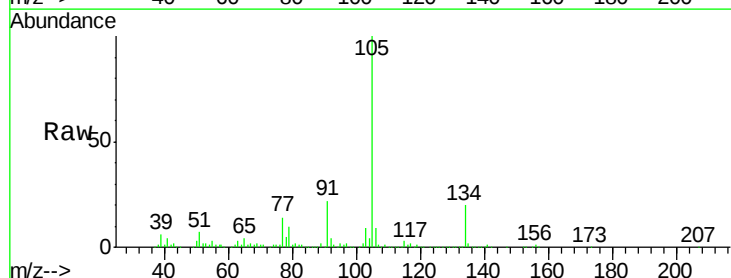
Acq: 24 Sep 2019 7:24

Tgt Ion:105 Resp: 416319

Ion Ratio Lower Upper

105 100

134 27.0 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

300000

250000

200000

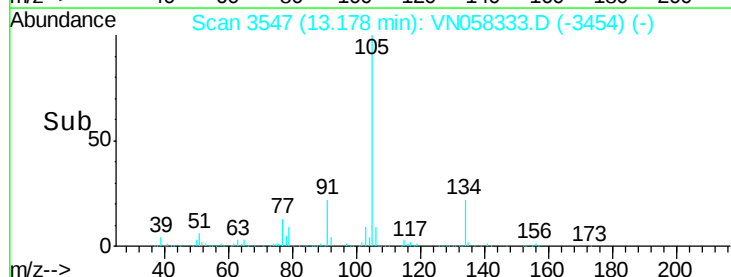
150000

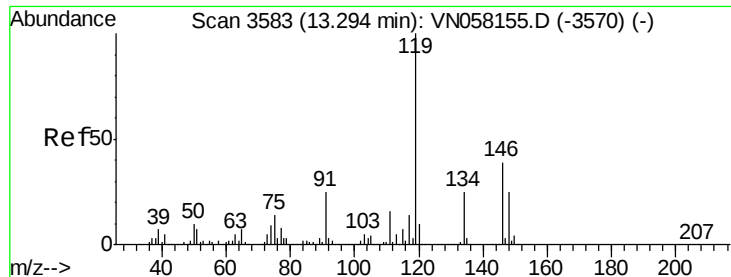
100000

50000

0

Time--> 13.10 13.15 13.20 13.25

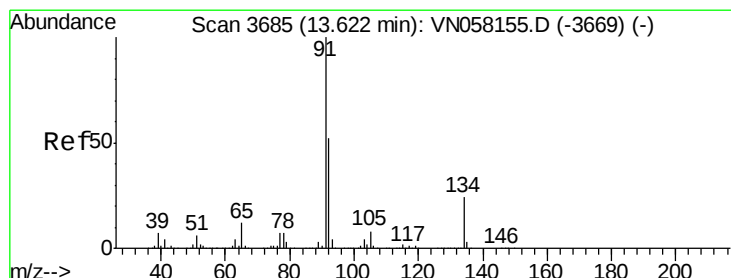
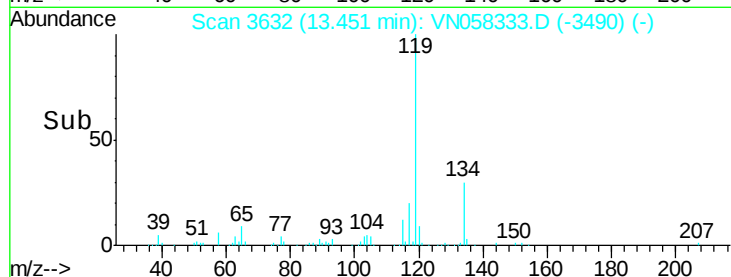
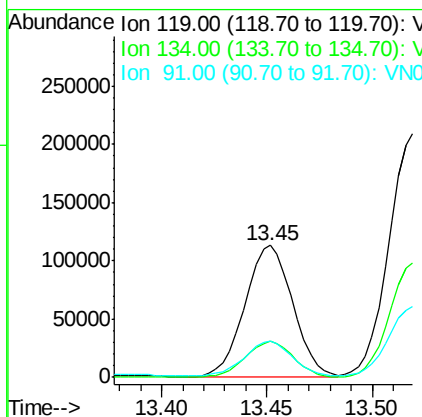
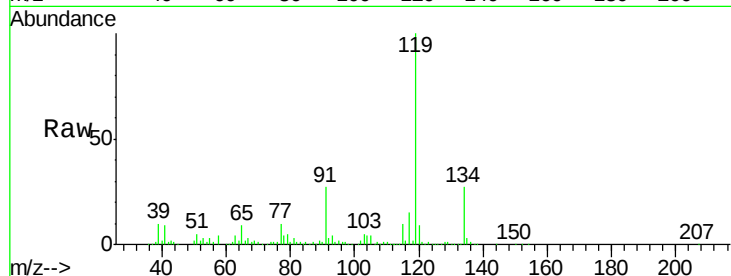




#86
 p-Isopropyltoluene
 Concen: 9.585 ug/l
 RT: 13.45 min Scan# 3632
 Delta R.T. 0.16 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

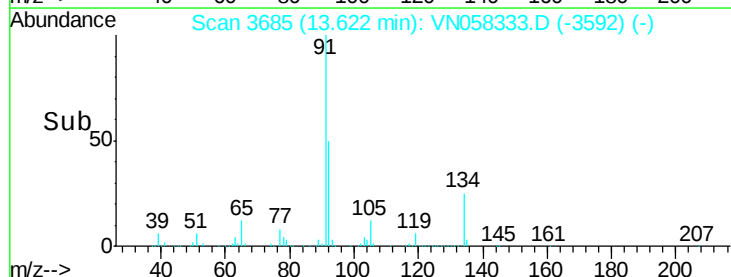
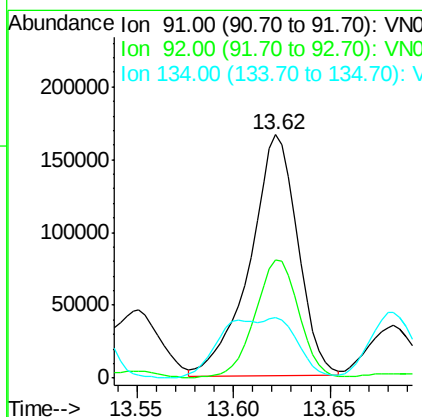
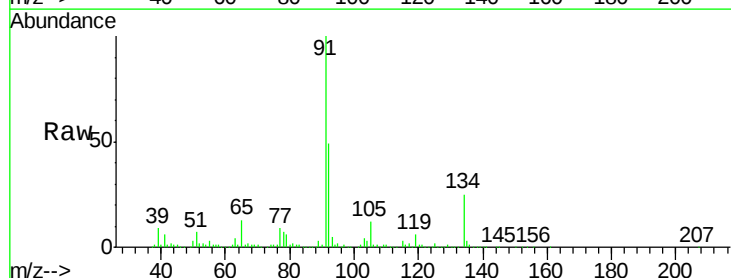
Instrument :
 MSVOA_N
 ClientSampled :

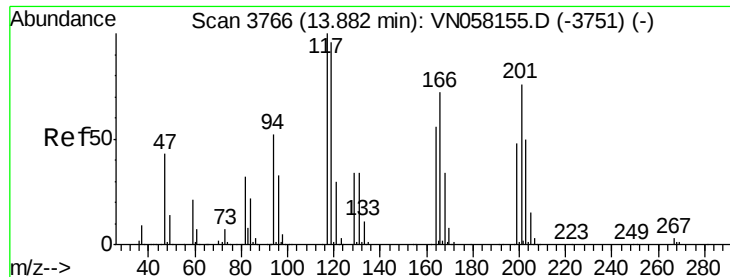
Tot Ion:119 Resp: 177630
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.7 38.0
 91 26.4 12.3 36.8



#89
 n-Butylbenzene
 Concen: 16.185 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

Tgt Ion: 91 Resp: 284369
 Ion Ratio Lower Upper
 91 100
 92 44.7 25.7 77.0
 134 20.7 11.8 35.4





#90

Hexachloroethane

Concen: 34.859 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

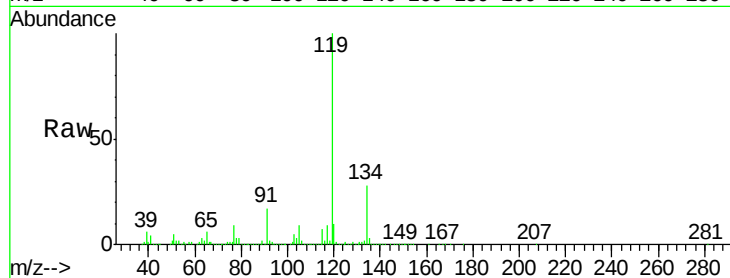
ClientSampled :

Tot Ion:117 Resp: 110337

Ion Ratio Lower Upper

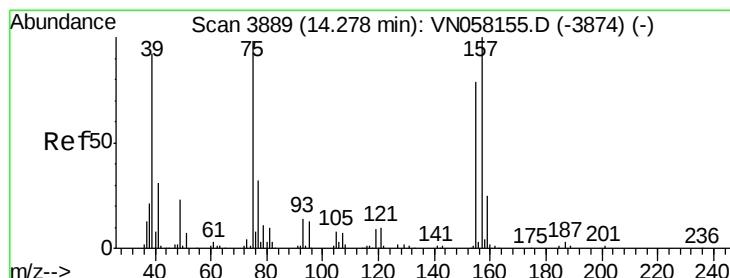
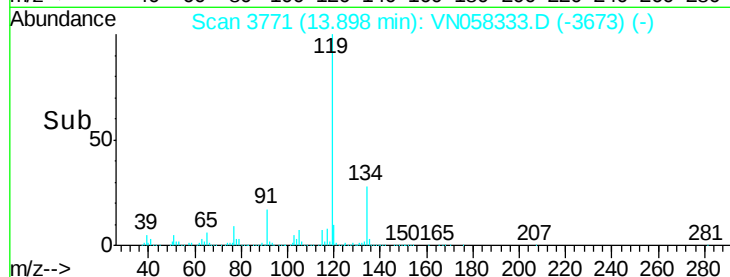
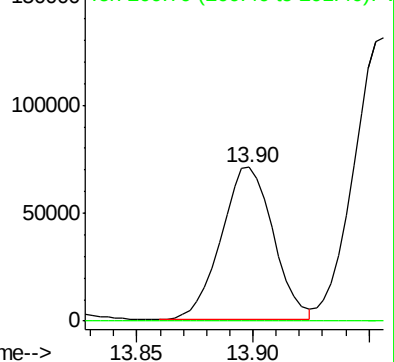
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.436 ug/l

RT: 14.22 min Scan# 3872

Delta R.T. -0.05 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

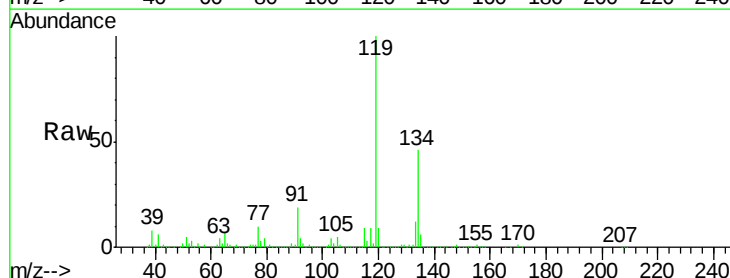
Tgt Ion: 75 Resp: 4379

Ion Ratio Lower Upper

75 100

155 0.0 38.3 114.8#

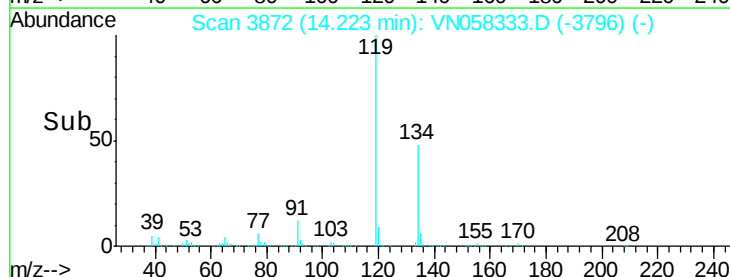
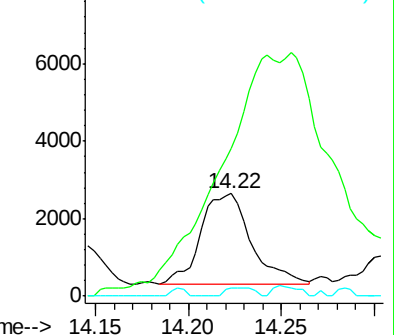
157 5.3 48.0 144.0#

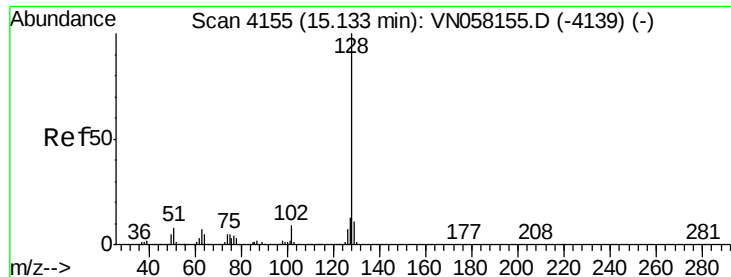


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.558 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampleId :

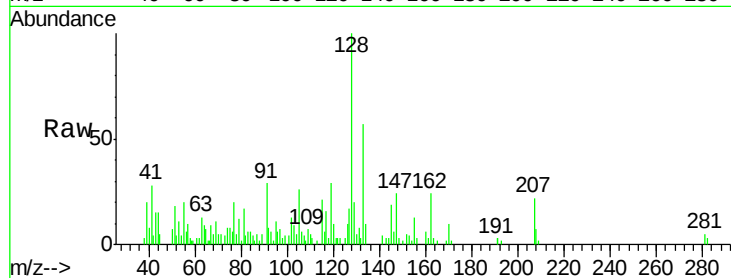
Tot Ion:128 Resp: 8996

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 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

