

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058332.D
 Acq On : 24 Sep 2019 7:02
 Operator : JC/SP
 Sample : K5008-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 08:40:52 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	529039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	850937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	761196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347379	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	348276	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	7.58	113	241908	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	10.08	98	1082638	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.41	95	392973	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1152	Below Cal		90
5) Bromomethane	2.54	94	196	0.822 ug/l #		4
6) Chloroethane	2.69	64	241	Below Cal #		44
11) Tert butyl alcohol	4.76	59	518	0.591 ug/l #		71
13) Acrolein	3.76	56	148	1.139 ug/l #		20
14) Allyl chloride	4.57	41	50988	7.286 ug/l #		50
15) Acrylonitrile	5.01	53	1693	0.725 ug/l #		36
16) Acetone	3.80	43	25953	10.376 ug/l		91
17) Carbon Disulfide	4.03	76	3016	0.927 ug/l #		74
18) Methyl Acetate	4.57	43	107993	16.409 ug/l #		53
20) Methylene Chloride	4.53	84	362	Below Cal #		41
25) 2-Butanone	6.82	43	10320	3.029 ug/l		95
31) Cyclohexane	7.64	56	126946	19.212 ug/l		97
36) 1,1-Dichloropropene	7.65	75	44556	7.261 ug/l #		51
37) Ethyl Acetate	6.82	43	10320	1.621 ug/l #		70
38) Carbon Tetrachloride	7.65	117	51986	8.428 ug/l #		15
39) Methylcyclohexane	9.07	83	1428255	240.451 ug/l		98
41) Methacrylonitrile	7.19	41	2848	1.782 ug/l #		100
43) Isopropyl Acetate	8.14	43	46538	3.913 ug/l #		57
45) 1,2-Dichloropropane	9.07	63	15348	2.742 ug/l #		1
47) Bromodichloromethane	9.37	83	11414	1.601 ug/l #		35
48) Methyl methacrylate	9.26	41	133118	24.651 ug/l #		55
51) 4-Methyl-2-Pentanone	10.08	43	39441	6.243 ug/l #		83
52) Toluene	10.15	92	15420	1.313 ug/l		97
55) 1,1,2-Trichloroethane	10.53	97	191789	36.792 ug/l #		18
56) Ethyl methacrylate	10.43	69	98667	13.119 ug/l #		11
58) 2-Chloroethyl Vinyl ether	9.67	63	3466	0.967 ug/l #		50
59) 2-Hexanone	10.76	43	3364	0.717 ug/l		97
61) 1,2-Dibromoethane	10.99	107	1334	0.276 ug/l #		1
67) Ethyl Benzene	11.51	91	27898	1.216 ug/l #		87
68) m/p-Xylenes	11.63	106	4972	0.575 ug/l		86
69) o-Xylene	11.95	106	4709	0.554 ug/l		95
71) Bromoform	12.39	173	112	3.624 ug/l #		29
73) Isopropylbenzene	12.25	105	2272139	104.496 ug/l		98

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

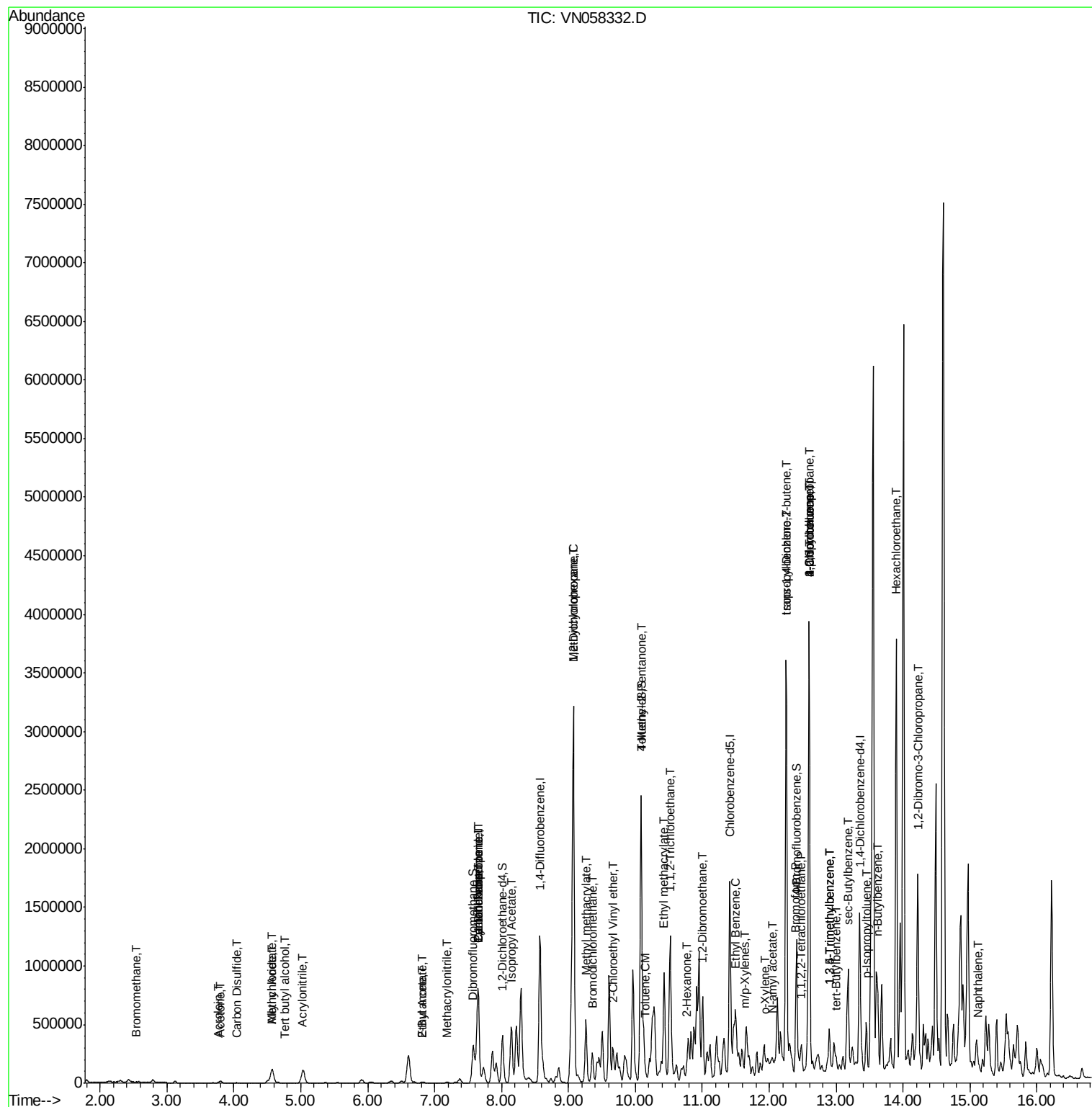
74) N-amyl acetate	12.05	43	32475	3.570	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.48	83	7196	0.988	ug/l #	26
76) 1,2,3-Trichloropropane	12.59	75	21359	3.436	ug/l #	100
78) n-propylbenzene	12.60	91	2996713	121.283	ug/l	96
79) 2-Chlorotoluene	12.60	91	2996713	194.062	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.90	105	241141	13.115	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.25	75	30258	18.591	ug/l #	60
82) 4-Chlorotoluene	12.60	91	2996713	184.615	ug/l #	43
83) tert-Butylbenzene	13.00	119	58086	3.542	ug/l	96
84) 1,2,4-Trimethylbenzene	12.90	105	241141	13.179	ug/l	78
85) sec-Butylbenzene	13.18	105	555458	25.905	ug/l	82
86) p-Isopropyltoluene	13.45	119	227728	11.947	ug/l	96
89) n-Butylbenzene	13.62	91	429282	23.753	ug/l #	77
90) Hexachloroethane	13.90	117	187949	55.876	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.22	75	7475	5.702	ug/l #	11
95) Naphthalene	15.14	128	40219	2.424	ug/l #	87

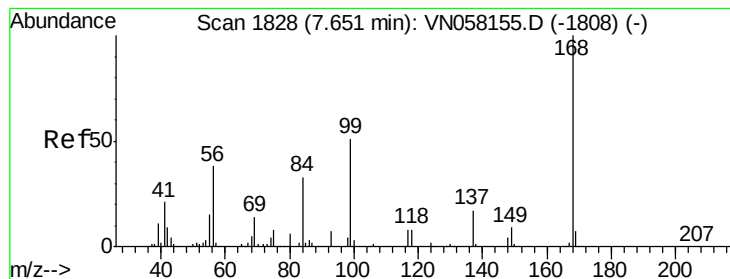
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058332.D

Acq: 24 Sep 2019 7:02

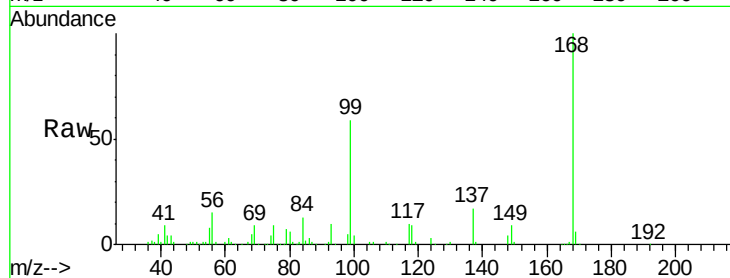
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 529039

Ion Ratio Lower Upper

168 100

99 59.5 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

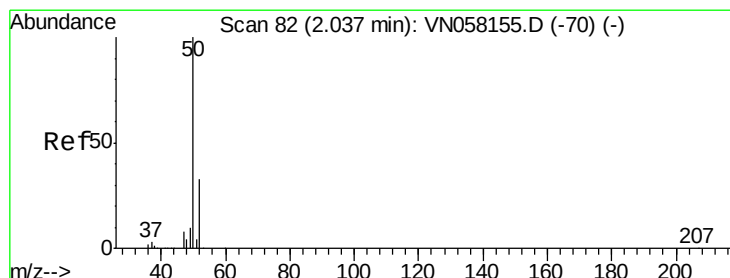
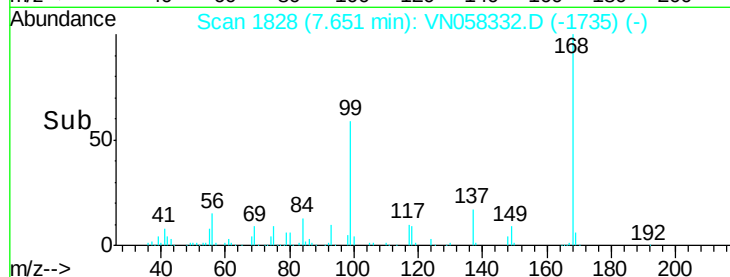
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058332.D

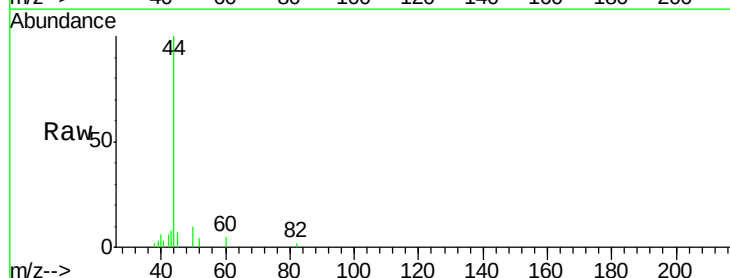
Acq: 24 Sep 2019 7:02

Tgt Ion: 50 Resp: 1152

Ion Ratio Lower Upper

50 100

52 38.3 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

800

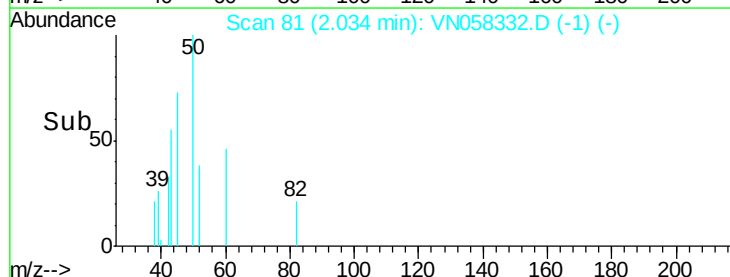
600

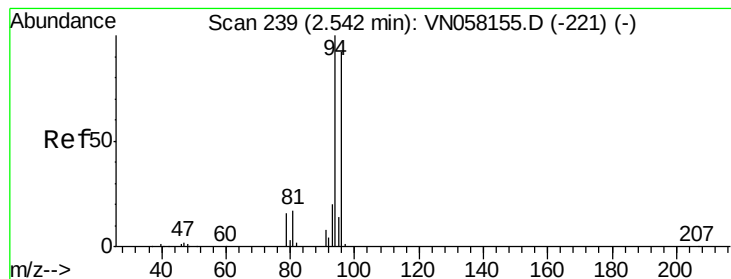
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.822 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

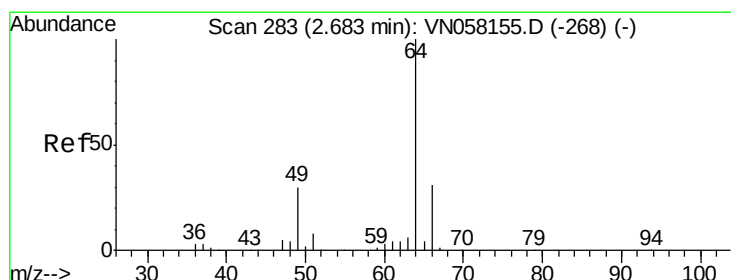
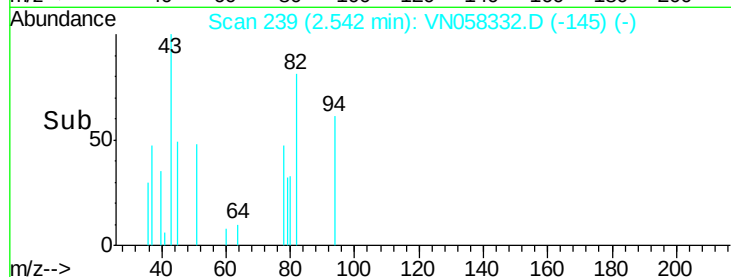
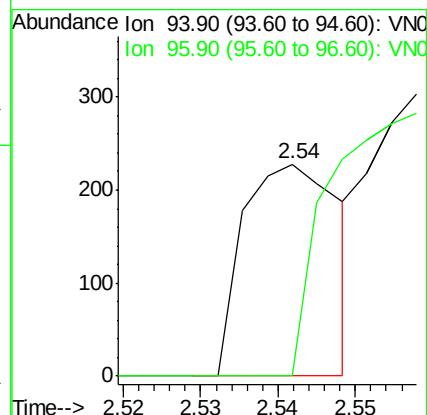
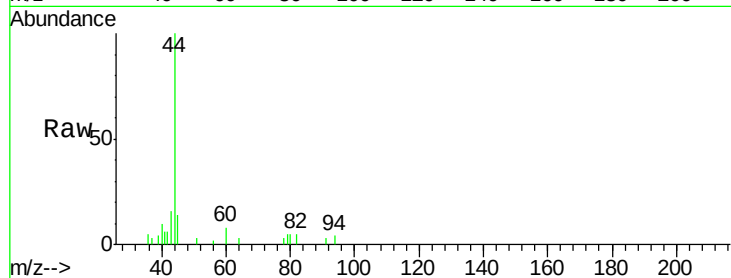
ClientSampled :

Tot Ion: 94 Resp: 196

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN058332.D

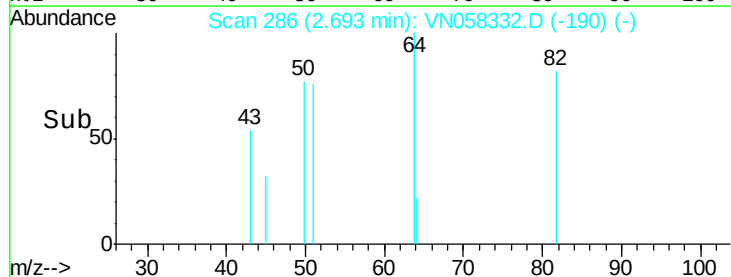
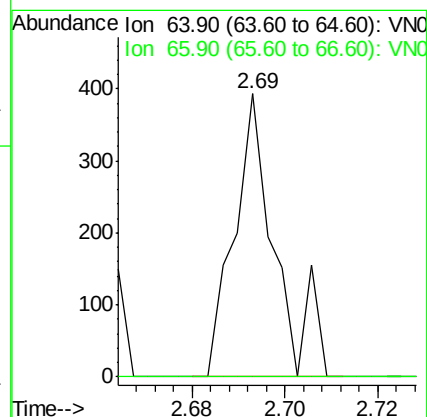
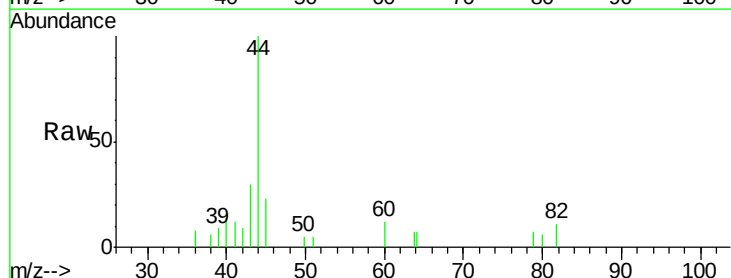
Acq: 24 Sep 2019 7:02

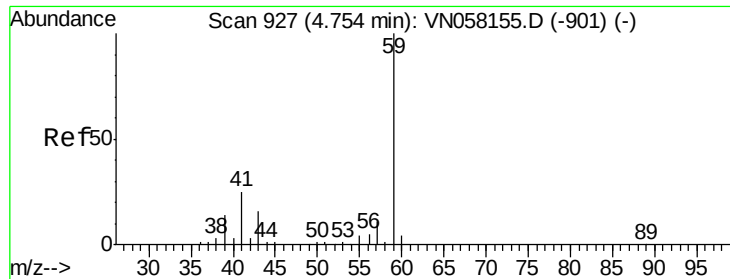
Tgt Ion: 64 Resp: 241

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#

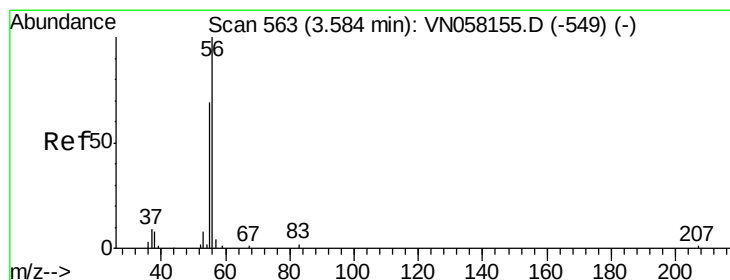
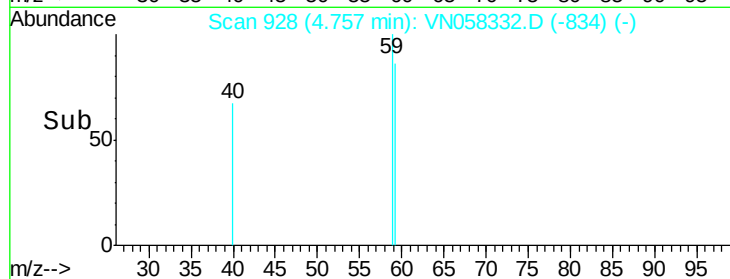
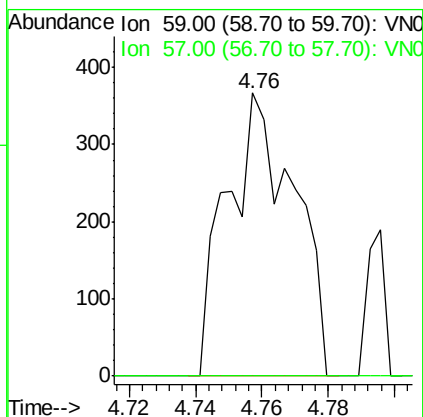
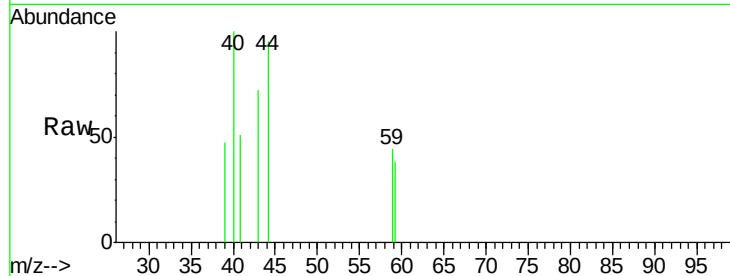




#11
Tert butyl alcohol
Concen: 0.591 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

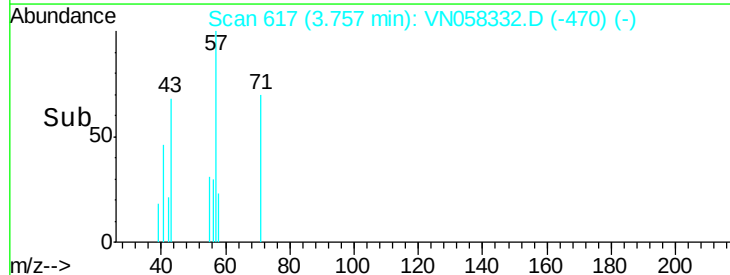
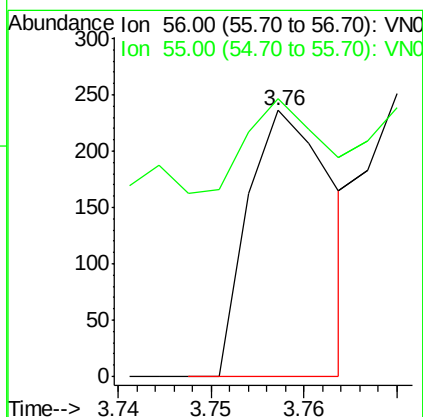
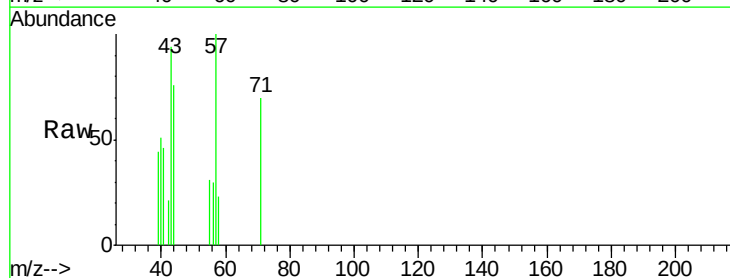
Instrument :
MSVOA_N
ClientSampled :

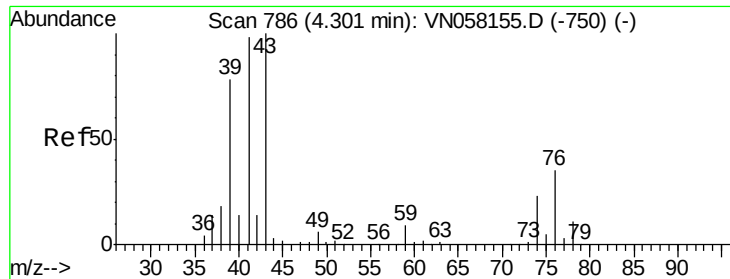
Tot Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 1.139 ug/l
RT: 3.76 min Scan# 617
Delta R.T. 0.17 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 135.8 56.1 84.1#

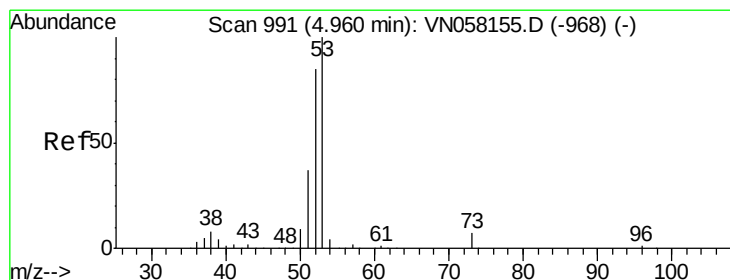
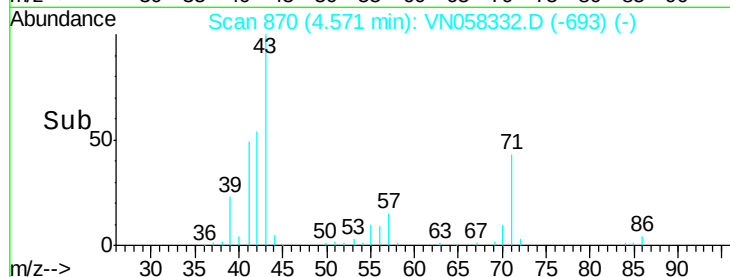
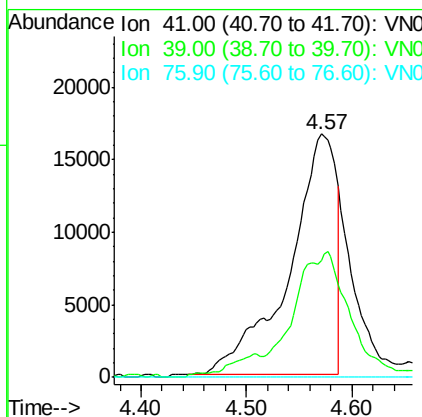
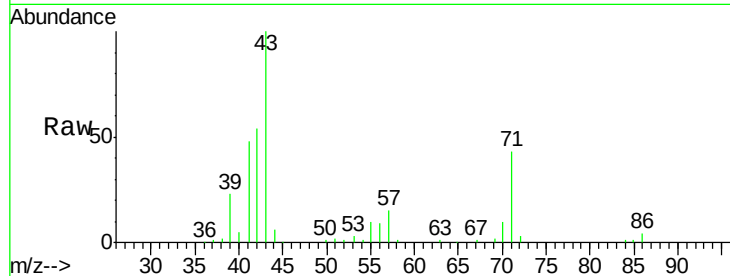




#14
Allvl chloride
Concen: 7.286 ug/l
RT: 4.57 min Scan# 870
Delta R.T. 0.27 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

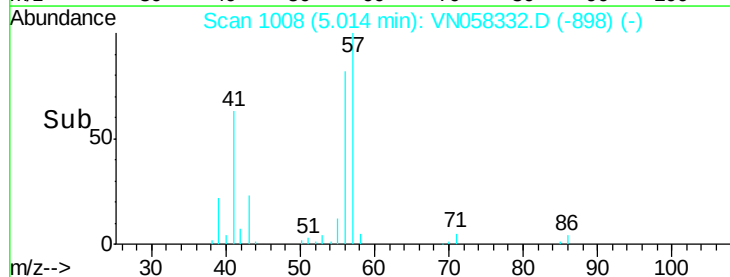
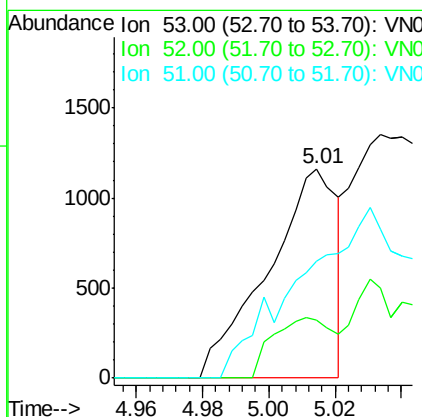
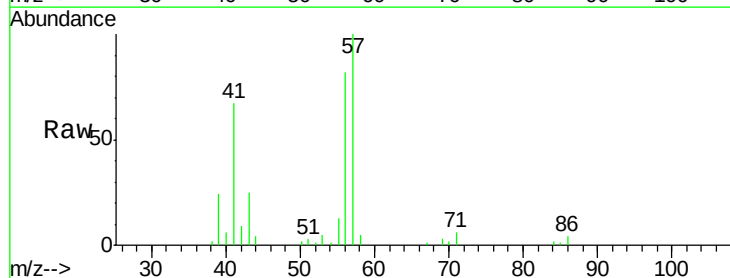
Instrument :
MSVOA_N
ClientSampled :

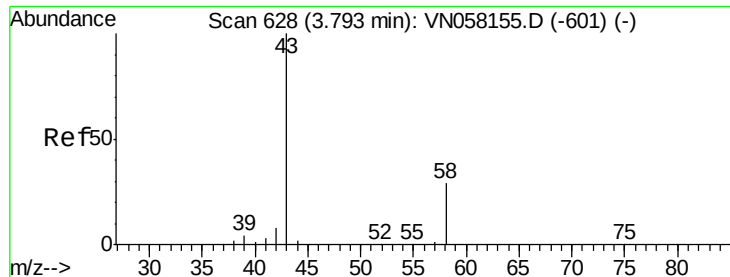
Tot Ion: 41 Resp: 50988
Ion Ratio Lower Upper
41 100
39 34.5 59.1 88.7#
76 0.0 25.1 37.7#



#15
Acrylonitrile
Concen: 0.725 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.05 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 53 Resp: 1693
Ion Ratio Lower Upper
53 100
52 25.3 66.6 100.0#
51 0.0 29.7 44.5#





#16

Acetone

Concen: 10.376 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

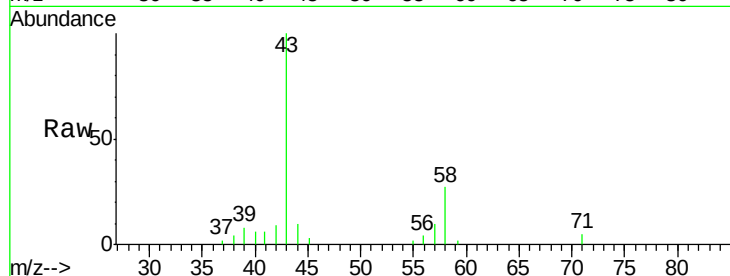
ClientSampled :

Tot Ion: 43 Resp: 25953

Ion Ratio Lower Upper

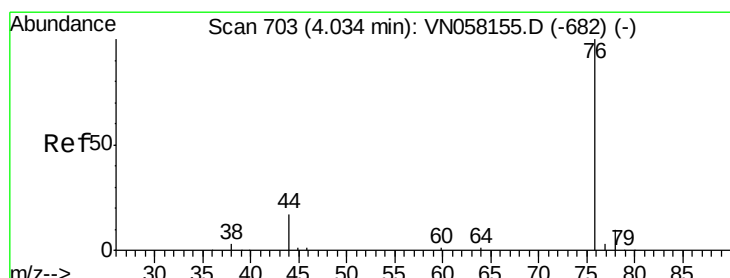
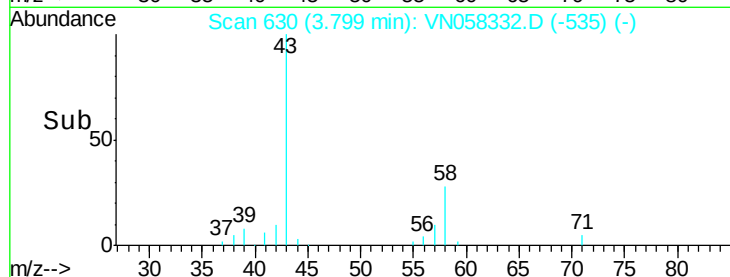
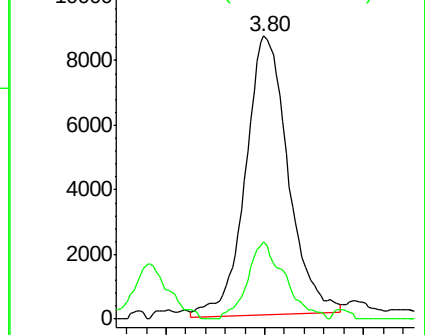
43 100

58 24.6 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.927 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058332.D

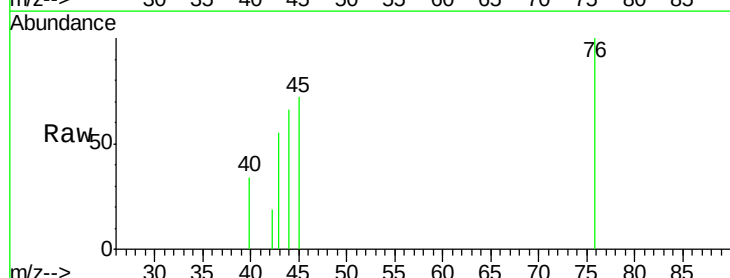
Acq: 24 Sep 2019 7:02

Tgt Ion: 76 Resp: 3016

Ion Ratio Lower Upper

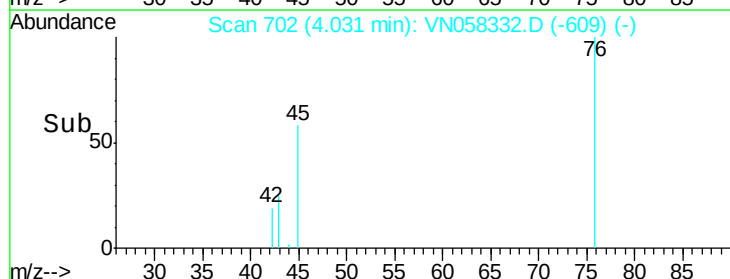
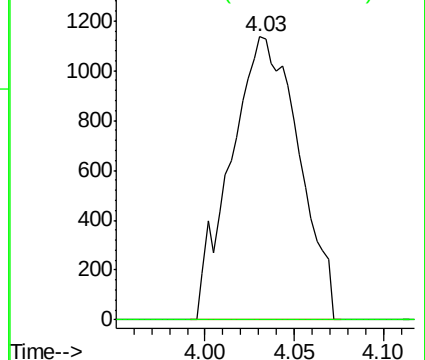
76 100

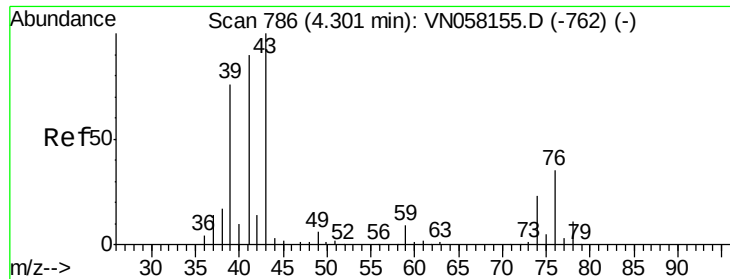
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

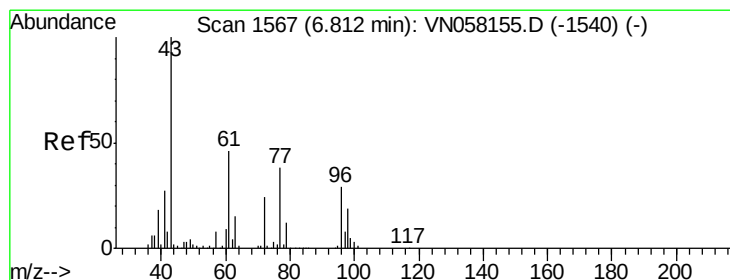
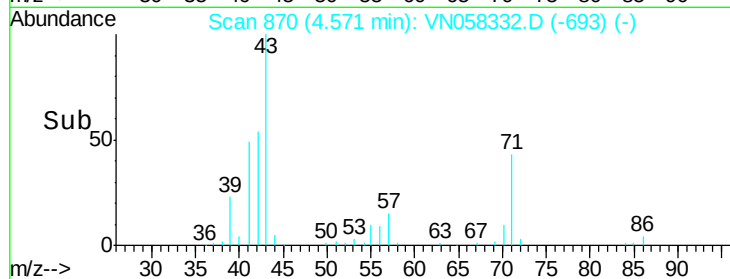
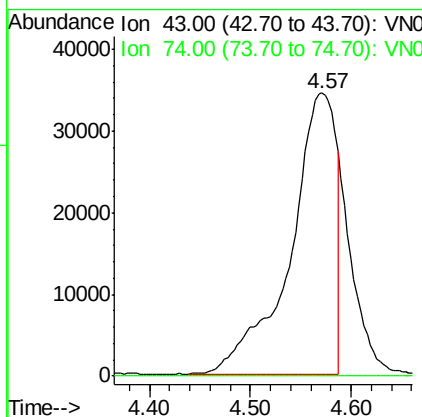
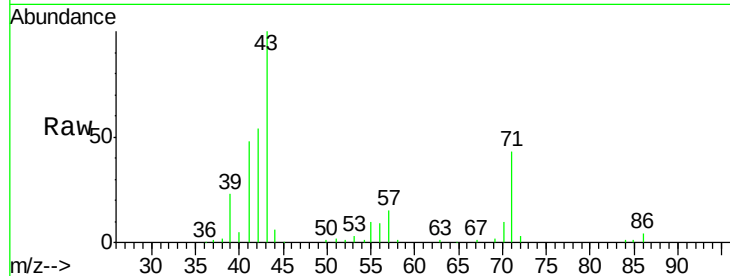




#18
Methyl Acetate
Concen: 16.409 ug/l
RT: 4.57 min Scan# 870
Delta R.T. 0.27 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

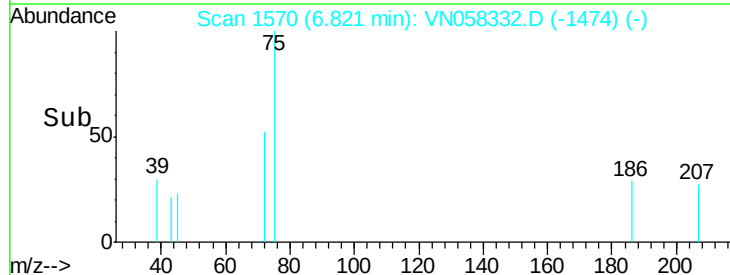
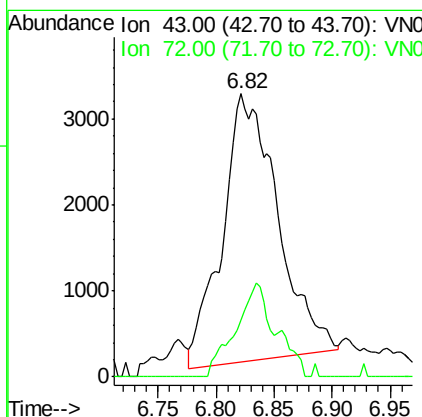
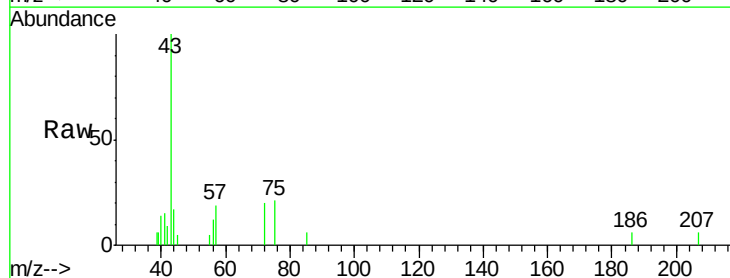
Instrument :
MSVOA_N
ClientSampleId :

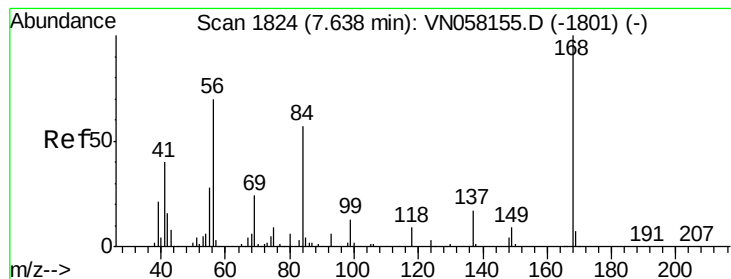
Tot Ion: 43 Resp: 107993
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 3.029 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 43 Resp: 10320
Ion Ratio Lower Upper
43 100
72 22.2 19.5 29.3





#31

Cyclohexane

Concen: 19.212 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :
MSVOA_N
ClientSampled :

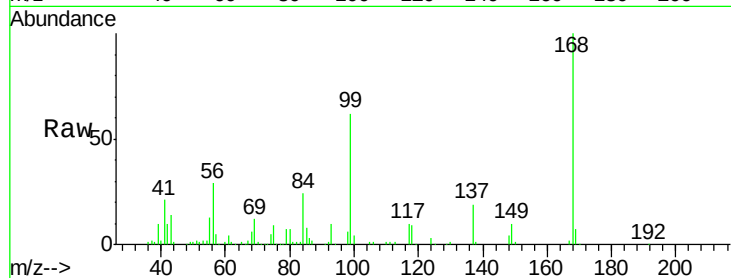
Tot Ion: 56 Resp: 126946

Ion Ratio Lower Upper

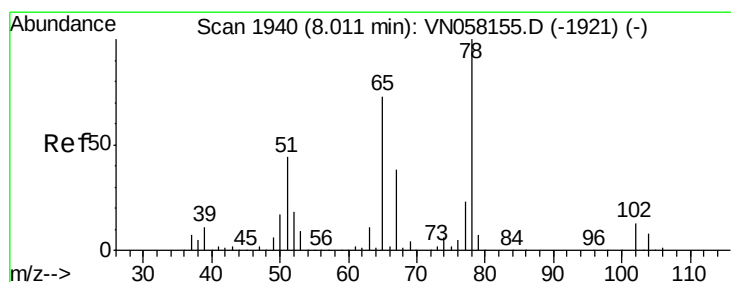
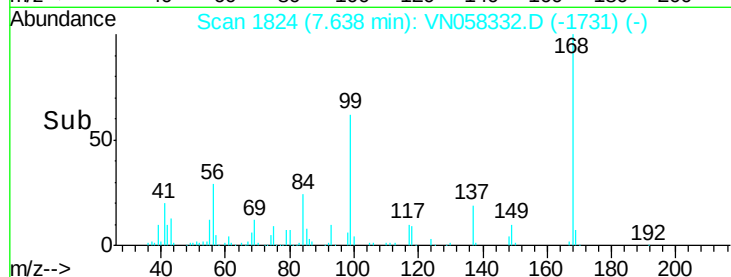
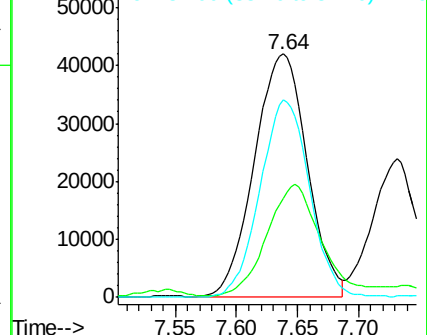
56 100

69 39.8 27.3 40.9

84 81.0 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 47.266 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058332.D

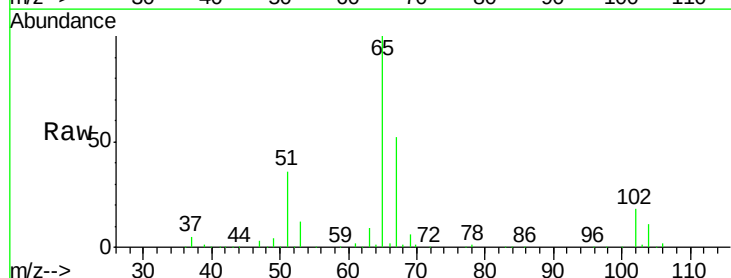
Acq: 24 Sep 2019 7:02

Tgt Ion: 65 Resp: 348276

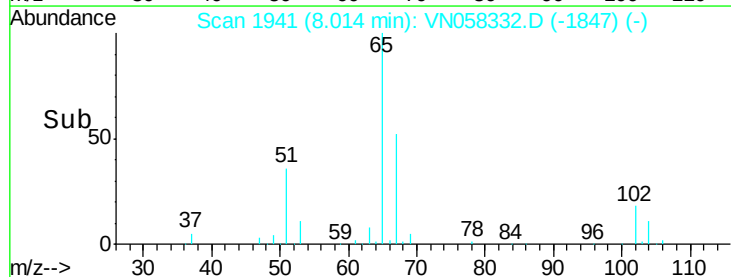
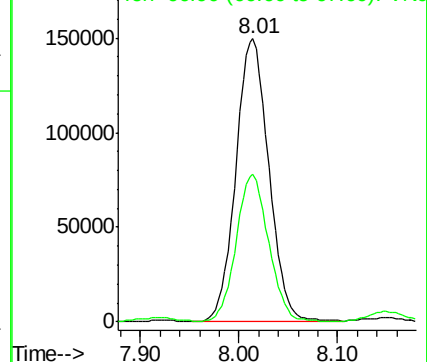
Ion Ratio Lower Upper

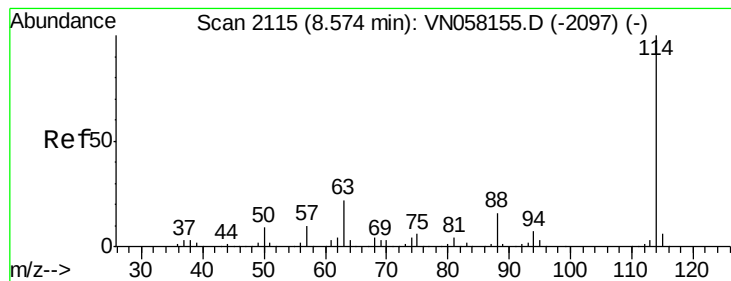
65 100

67 50.8 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

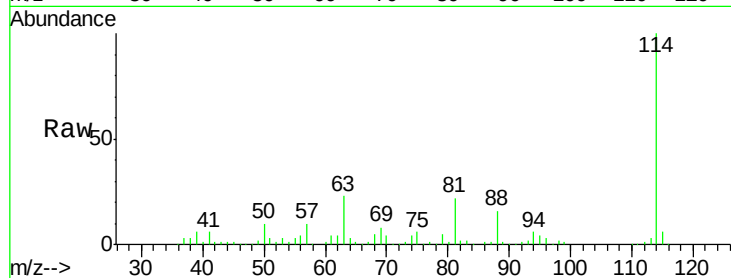
Tot Ion:114 Resp: 850937

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

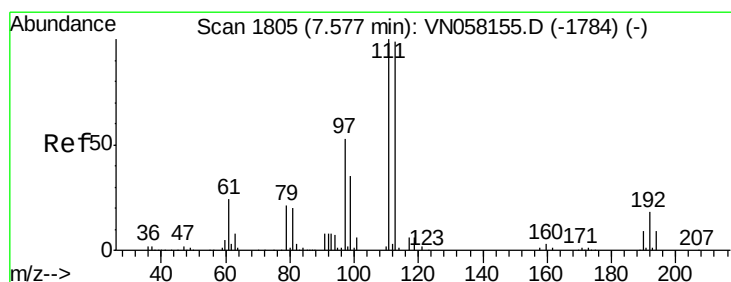
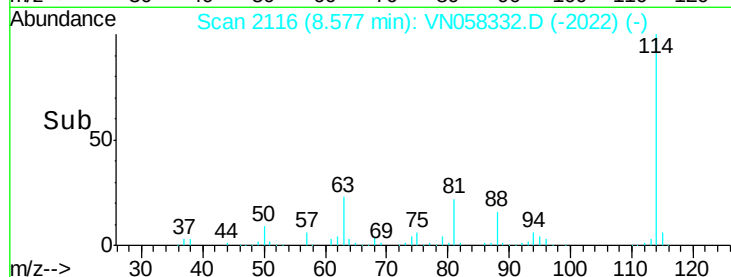
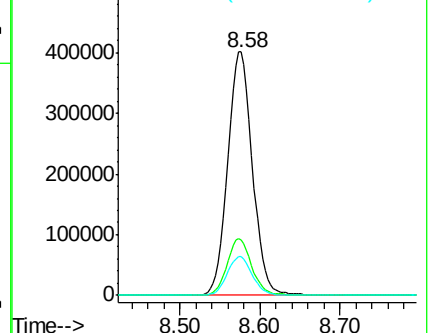
88 15.8 0.0 31.6



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: 46.764 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

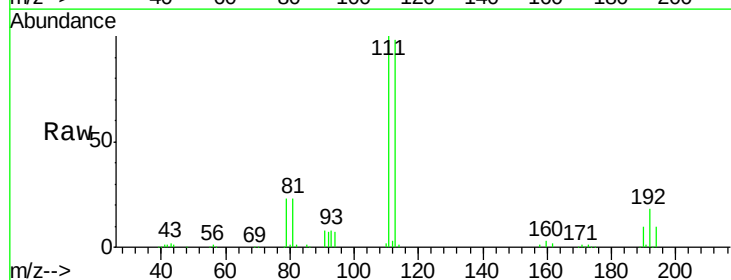
Tgt Ion:113 Resp: 241908

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

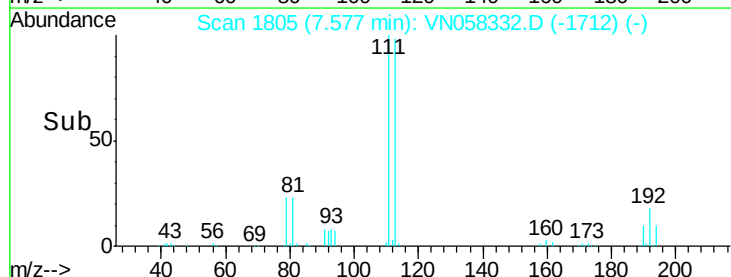
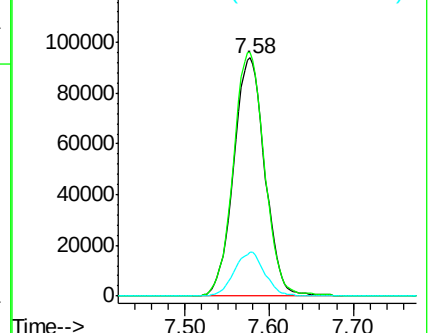
192 18.1 14.5 21.7

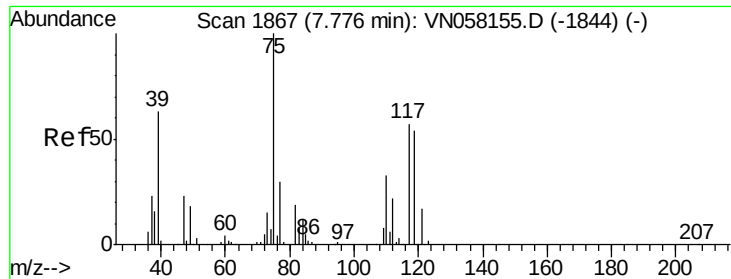


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.261 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

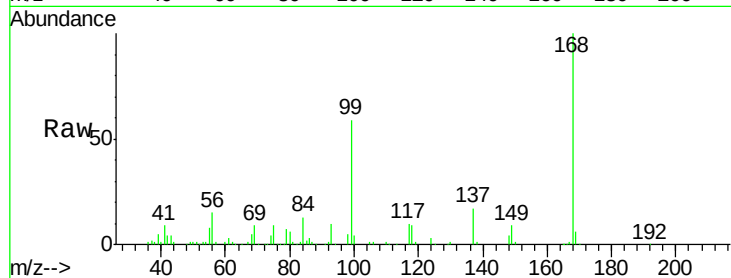
Tot Ion: 75 Resp: 44556

Ion Ratio Lower Upper

75 100

110 8.5 16.6 49.7#

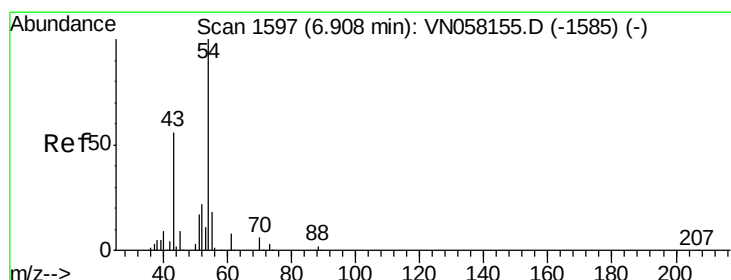
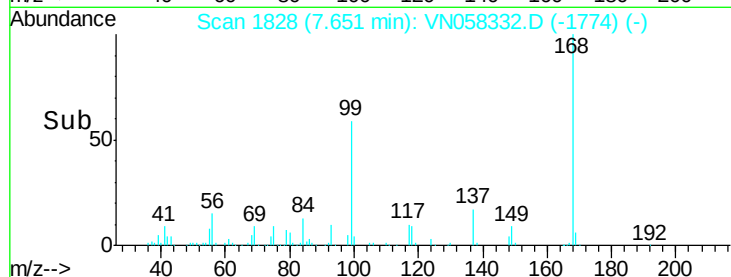
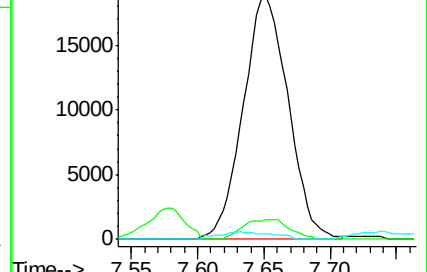
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.621 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.09 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

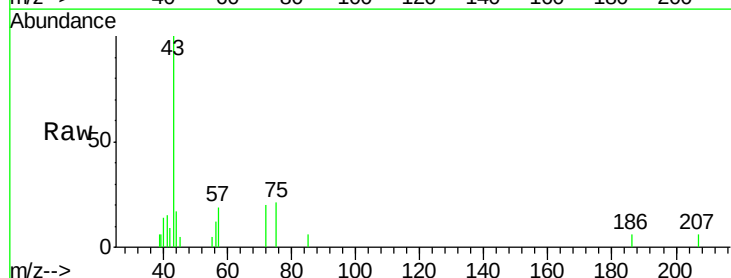
Tgt Ion: 43 Resp: 10320

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

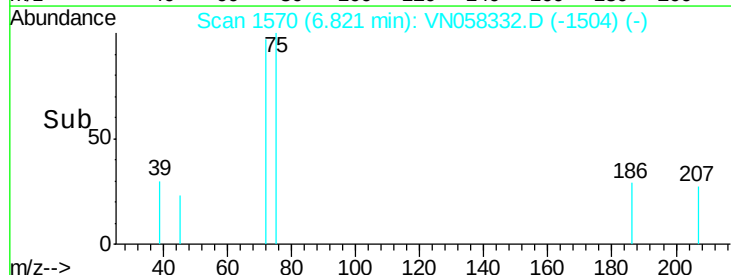
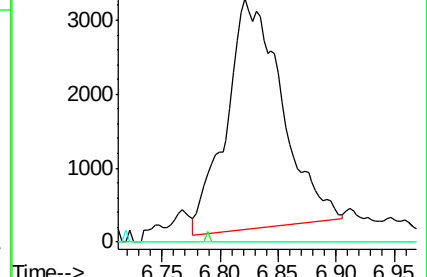
70 0.0 7.6 11.4#

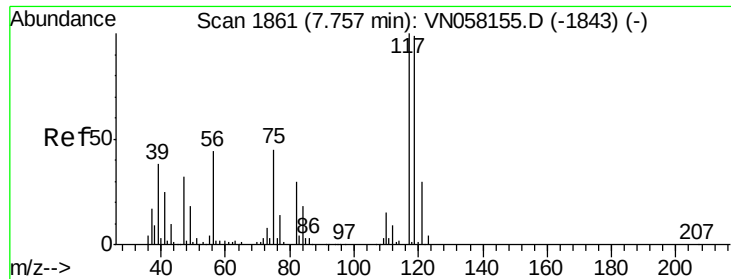


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

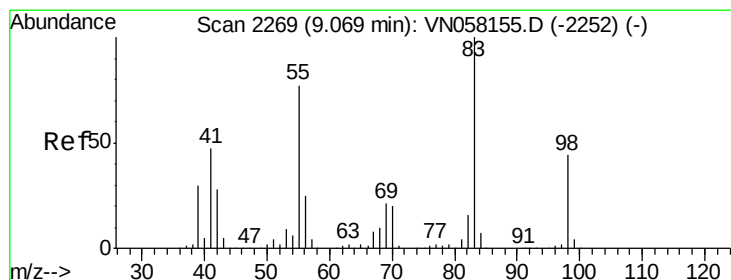
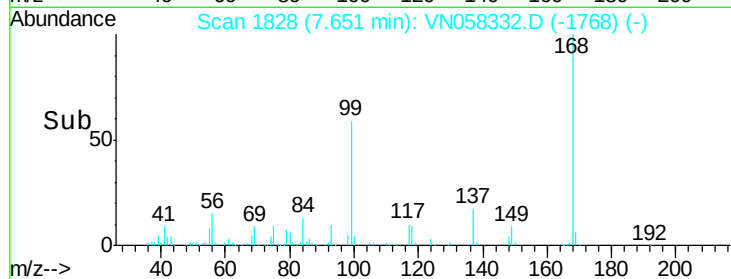
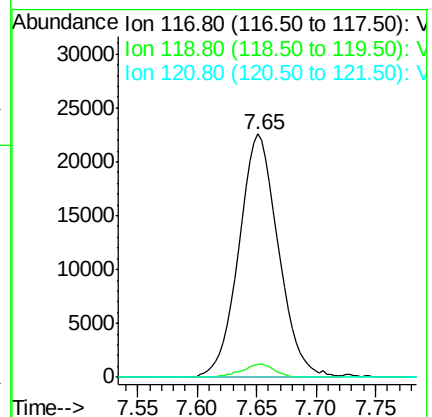
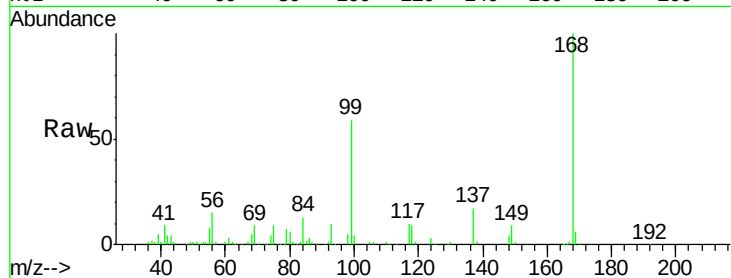




#38
Carbon Tetrachloride
Concen: 8.428 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

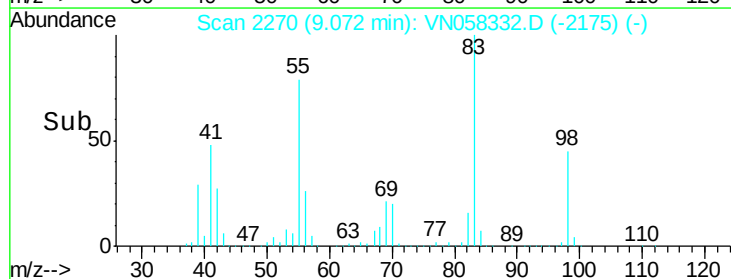
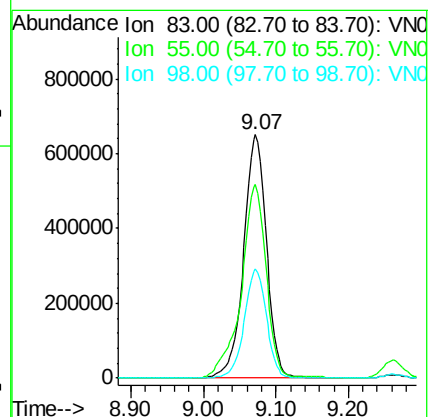
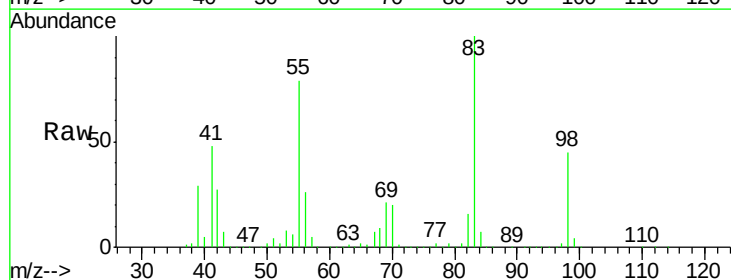
Instrument :
MSVOA_N
ClientSampleId :

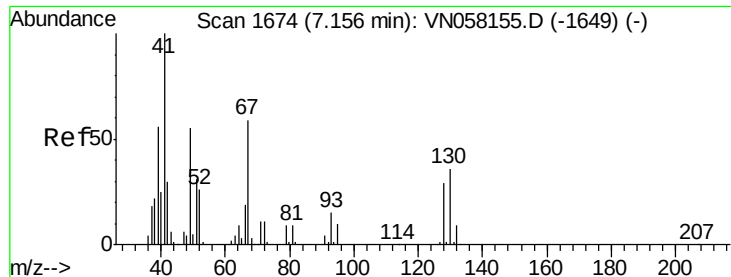
Tot Ion:117 Resp: 51986
Ion Ratio Lower Upper
117 100
119 5.4 78.6 117.8#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 240.451 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 83 Resp: 1428255
Ion Ratio Lower Upper
83 100
55 79.3 61.9 92.9
98 44.9 35.4 53.2





#41

Methacrylonitrile

Concen: 1.782 ug/l

RT: 7.19 min Scan# 1685

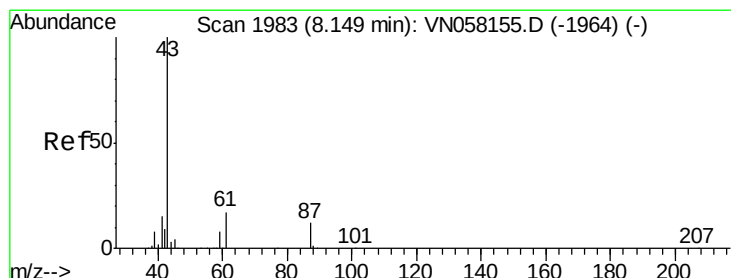
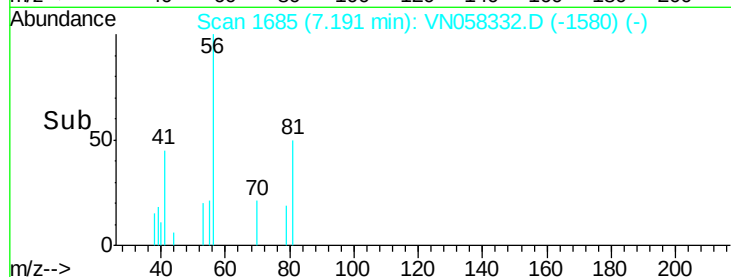
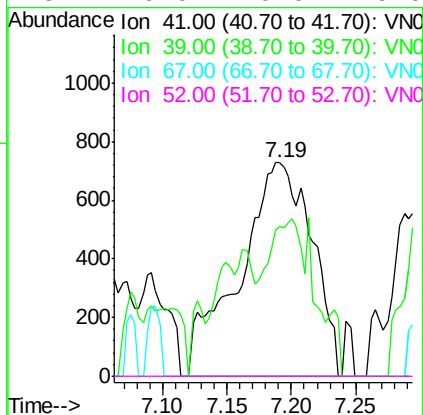
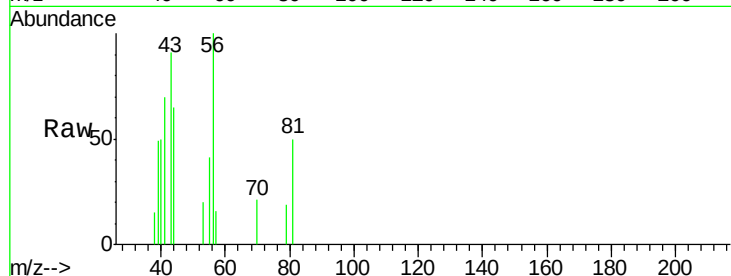
Delta R.T. 0.04 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	2848
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43

Isopropyl Acetate

Concen: 3.913 ug/l

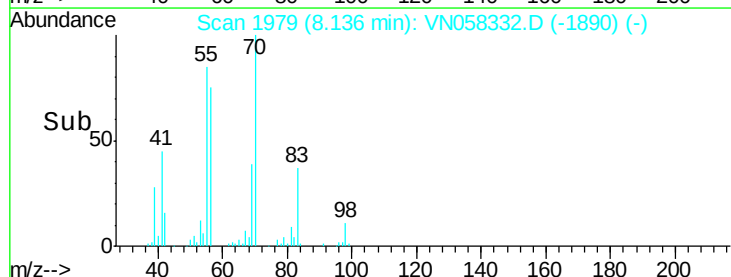
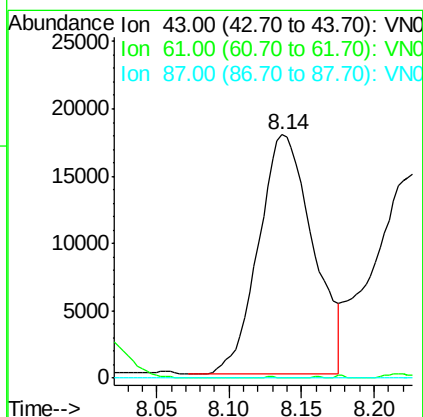
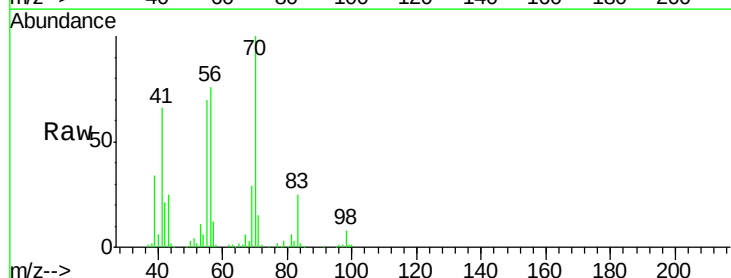
RT: 8.14 min Scan# 1979

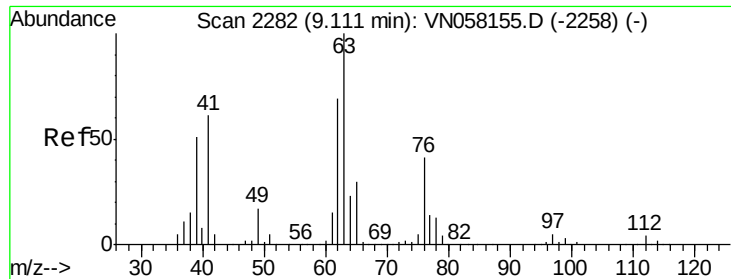
Delta R.T. -0.01 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Tgt Ion:	43	Resp:	46538
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#

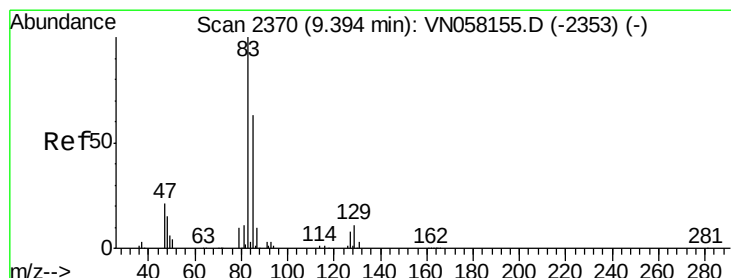
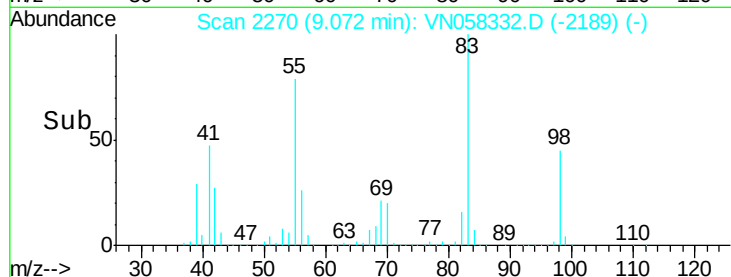
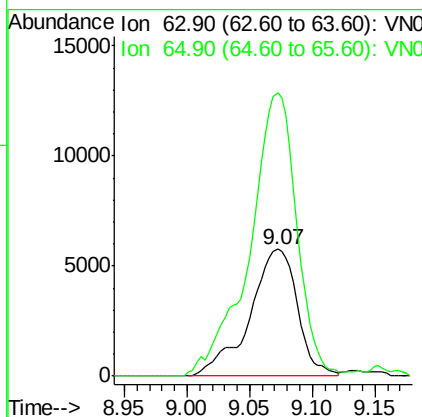
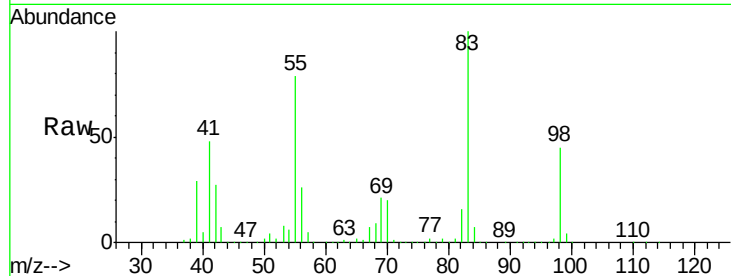




#45
 1,2-Dichloropropane
 Concen: 2.742 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.04 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

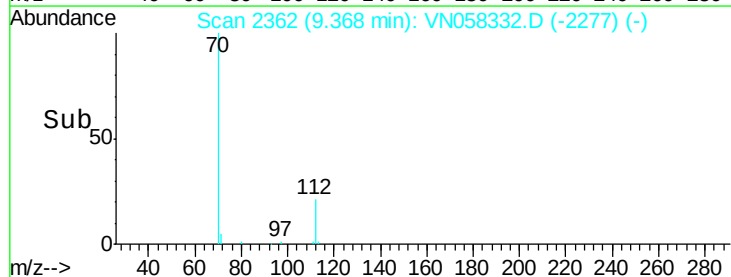
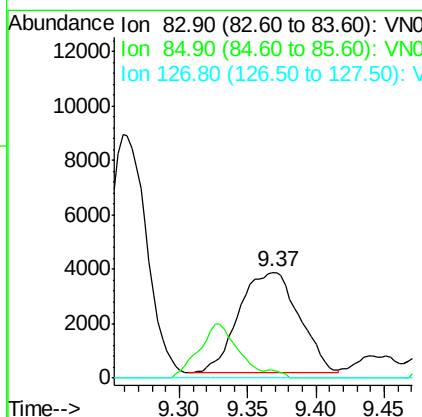
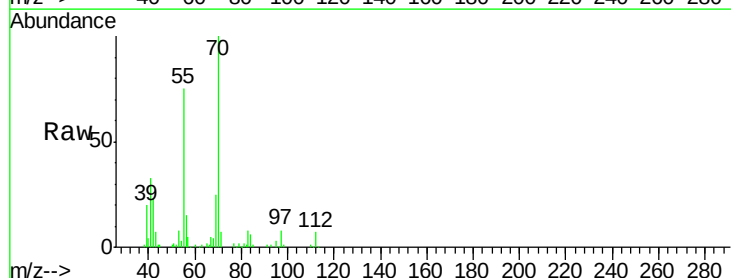
Instrument :
 MSVOA_N
 ClientSampled :

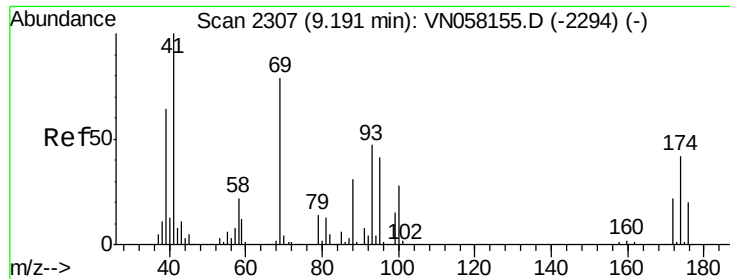
Tot Ion: 63 Resp: 15348
 Ion Ratio Lower Upper
 63 100
 65 220.0 23.8 35.6#



#47
 Bromodichloromethane
 Concen: 1.601 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.03 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion: 83 Resp: 11414
 Ion Ratio Lower Upper
 83 100
 85 8.1 50.1 75.1#
 127 0.0 6.4 9.6#

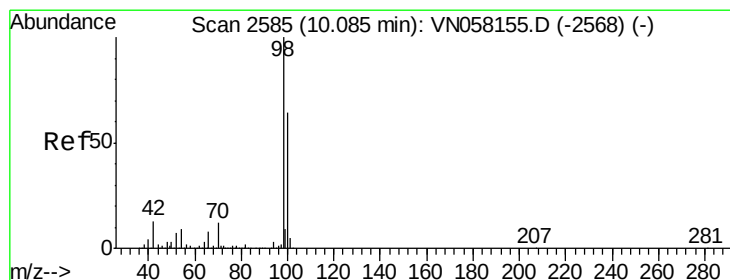
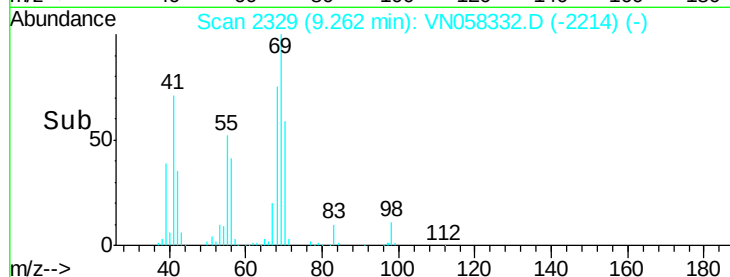
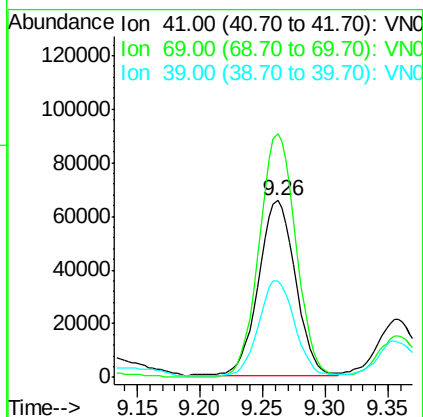
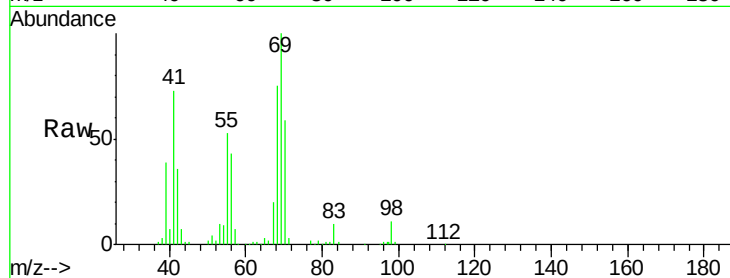




#48
Methyl methacrylate
Concen: 24.651 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.07 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

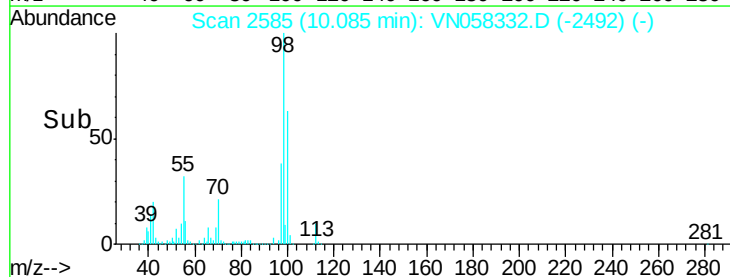
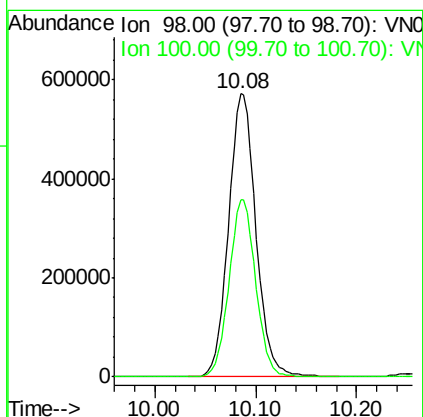
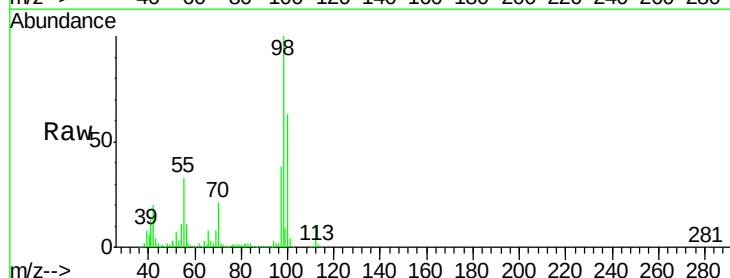
Instrument :
MSVOA_N
ClientSampled :

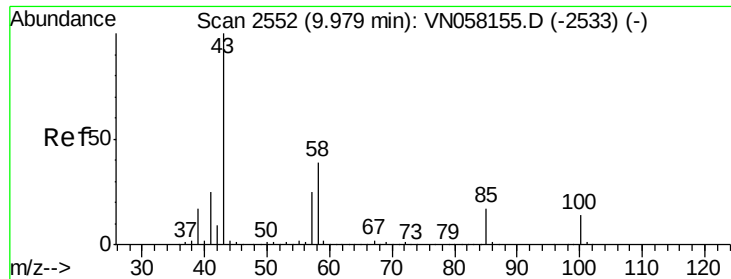
Tot Ion: 41 Resp: 133118
Ion Ratio Lower Upper
41 100
69 138.3 62.5 93.7#
39 53.3 52.3 78.5



#50
Toluene-d8
Concen: 53.715 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 98 Resp: 1082638
Ion Ratio Lower Upper
98 100
100 60.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 6.243 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.10 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

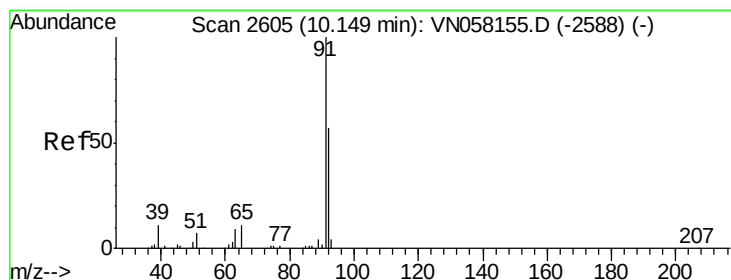
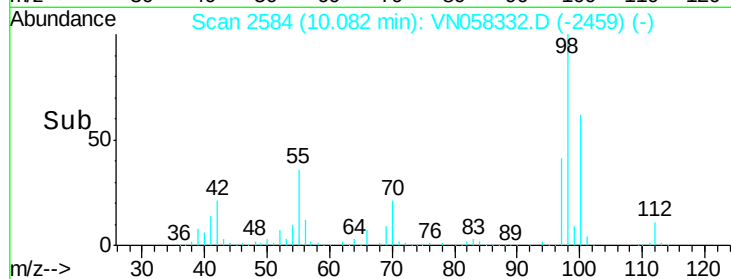
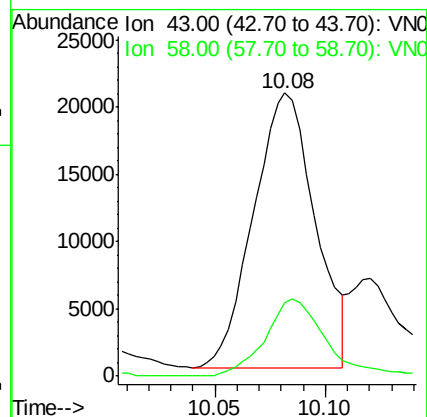
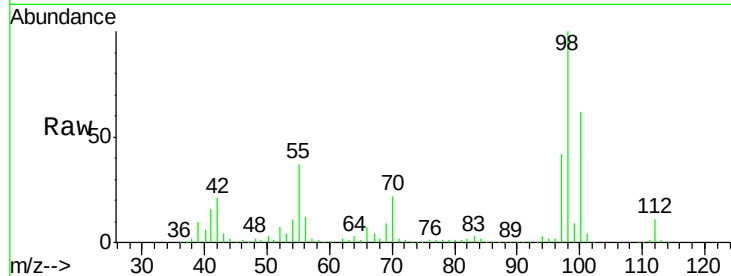
ClientSampleId :

Tot Ion: 43 Resp: 39441

Ion Ratio Lower Upper

43 100

58 27.6 30.2 45.4#



#52

Toluene

Concen: 1.313 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058332.D

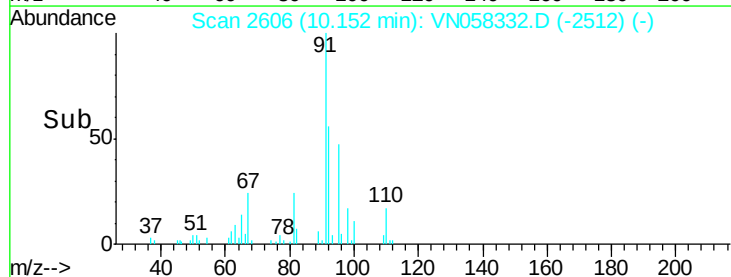
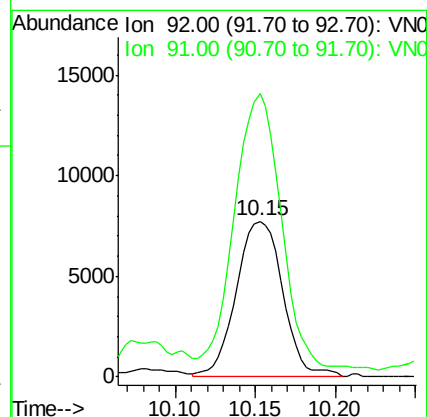
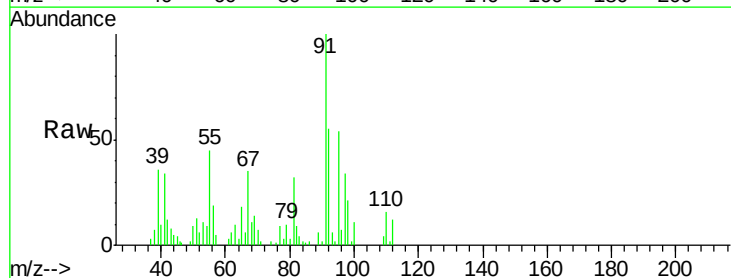
Acq: 24 Sep 2019 7:02

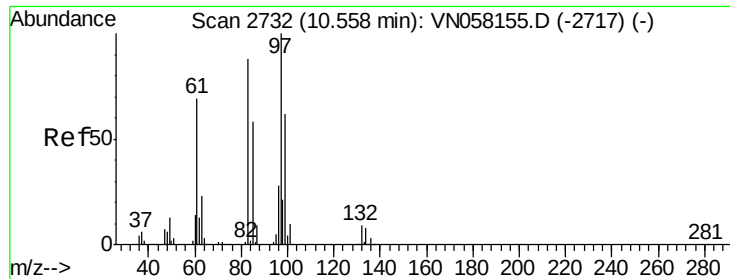
Tgt Ion: 92 Resp: 15420

Ion Ratio Lower Upper

92 100

91 171.3 140.2 210.2

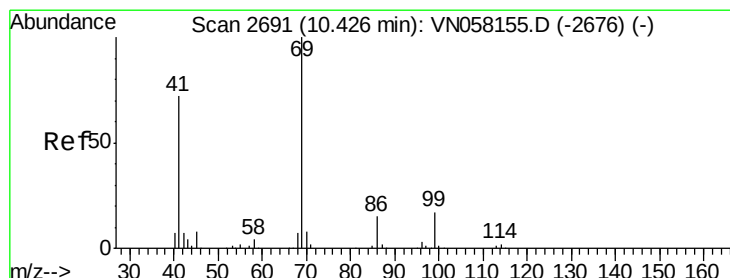
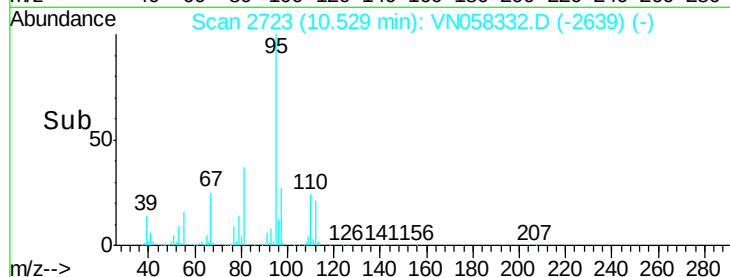
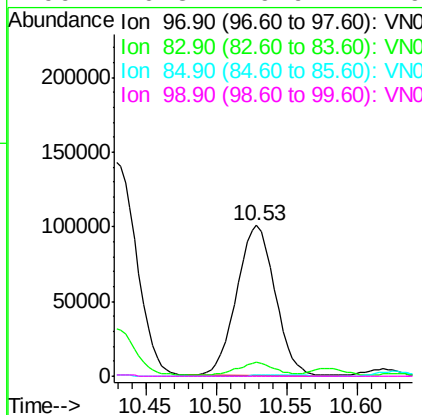
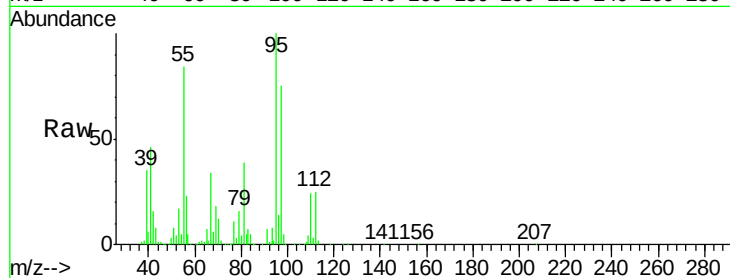




#55
 1,1,2-Trichloroethane
 Concen: 36.792 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

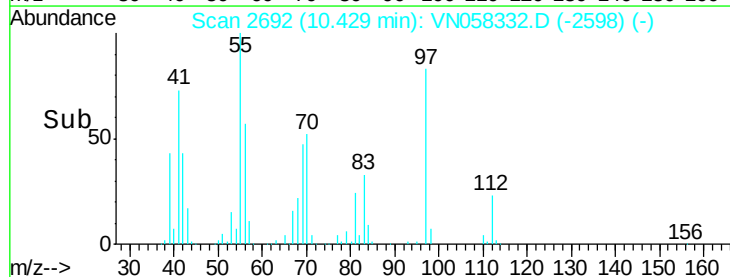
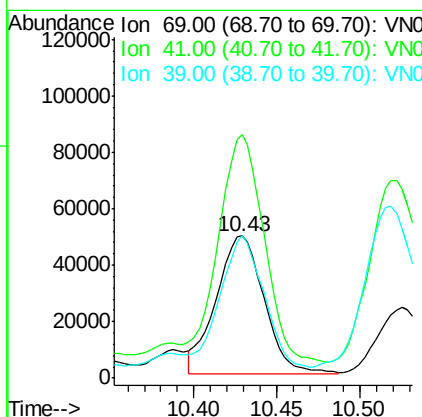
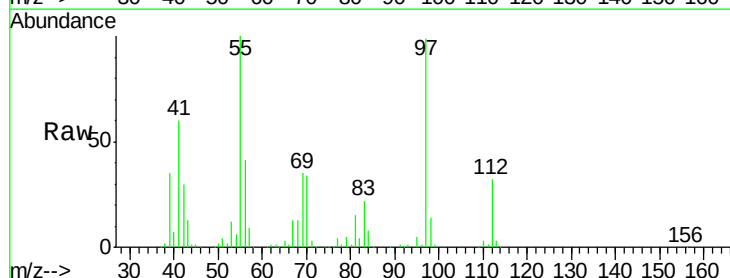
Instrument :
 MSVOA_N
 ClientSampleId :

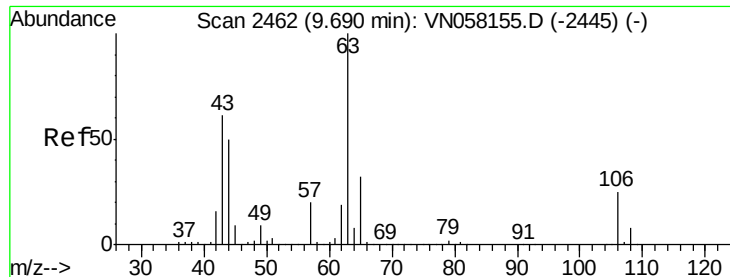
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		191789		
83	8.4		70.4	105.6#	
85	0.6		46.8	70.2#	
99	0.3		49.9	74.9#	



#56
 Ethyl methacrylate
 Concen: 13.119 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		98667		
41	159.6		57.5	86.3#	
39	85.5		36.1	54.1#	

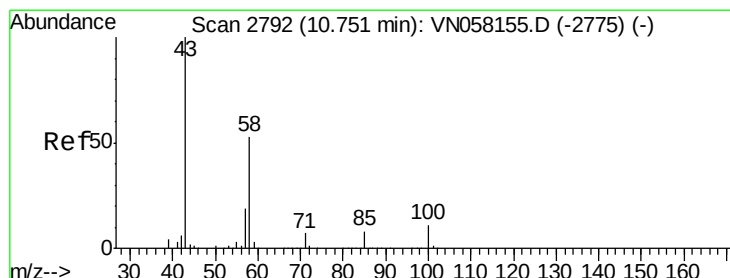
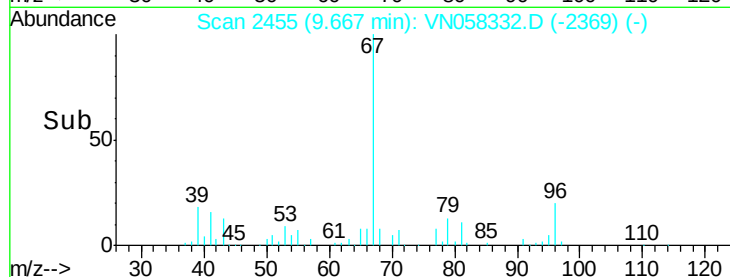
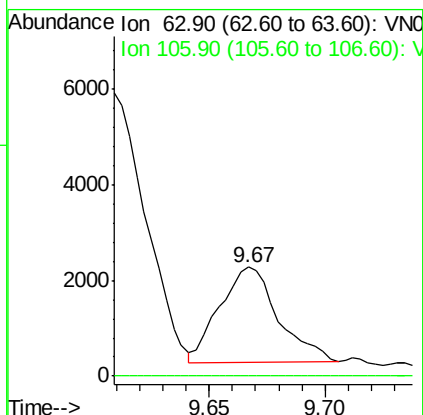
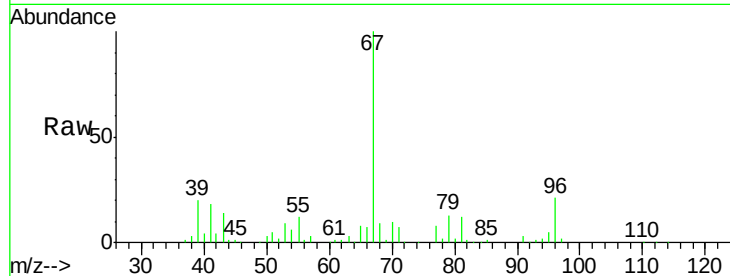




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.967 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

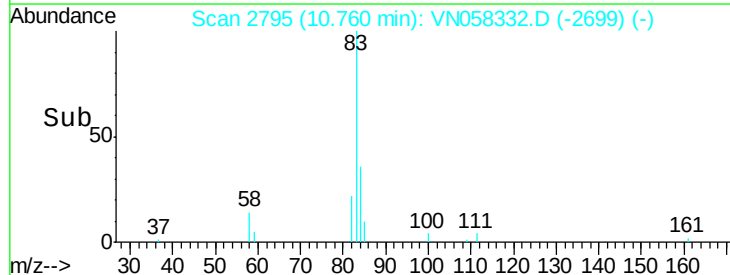
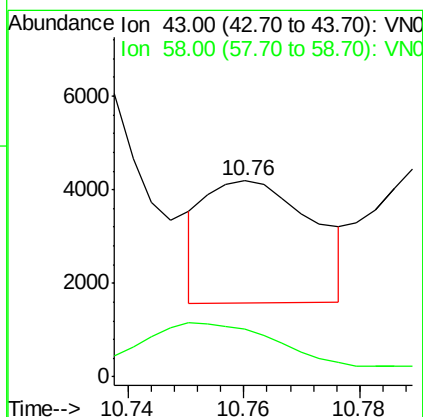
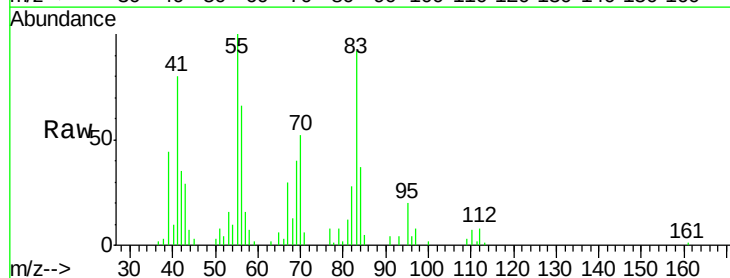
Instrument :
 MSVOA_N
 ClientSampled :

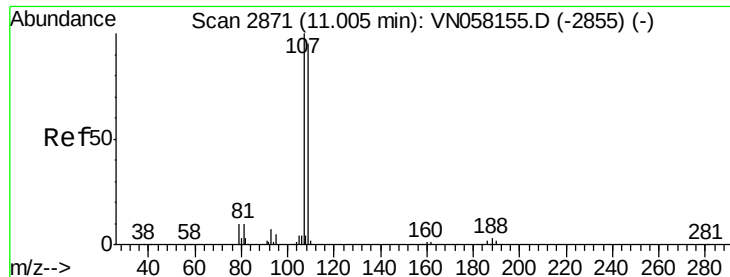
Tot Ion: 63 Resp: 3466
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.9 29.9#



#59
 2-Hexanone
 Concen: 0.717 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion: 43 Resp: 3364
 Ion Ratio Lower Upper
 43 100
 58 50.0 26.0 78.0

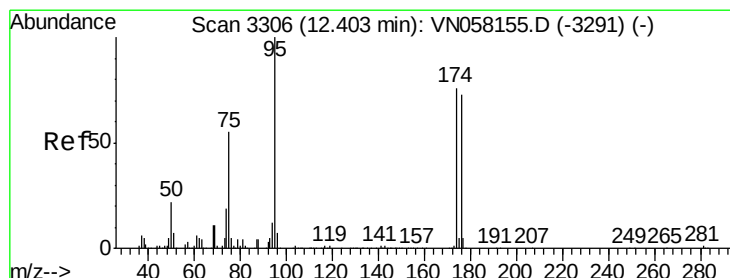
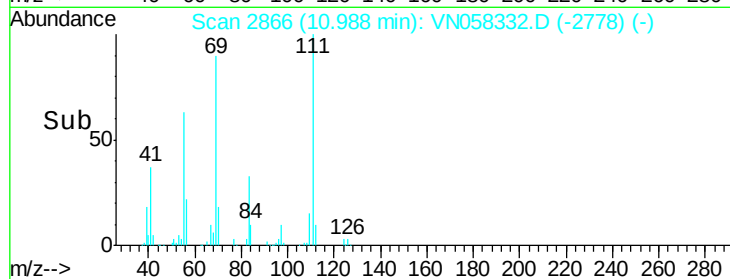
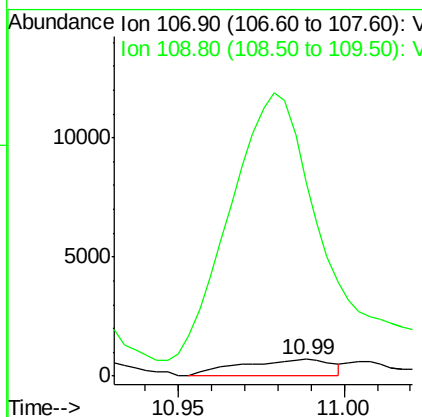
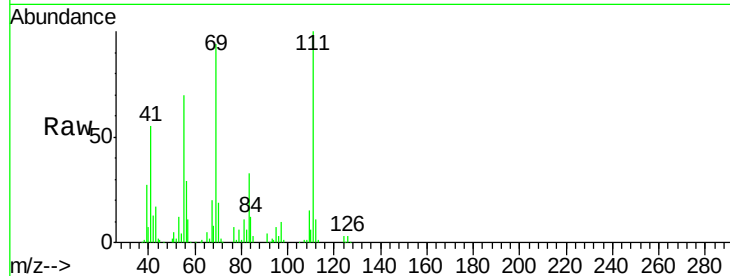




#61
 1,2-Dibromoethane
 Concen: 0.276 ug/l
 RT: 10.99 min Scan# 2866
 Delta R.T. -0.02 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

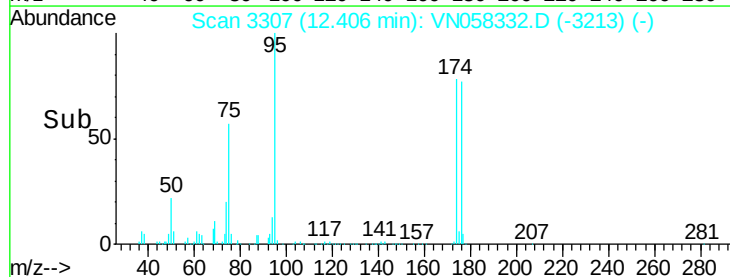
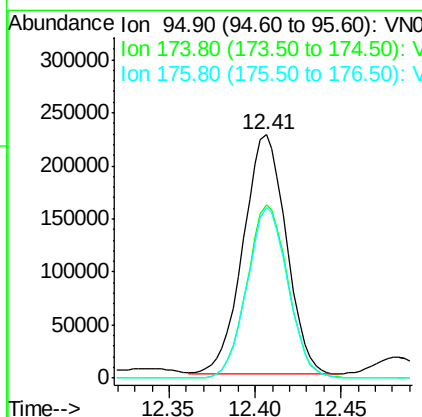
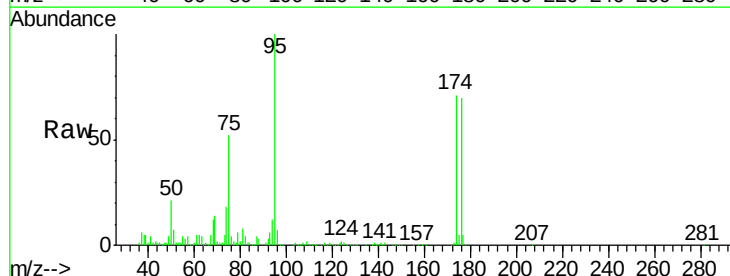
Instrument :
 MSVOA_N
 ClientSampled :

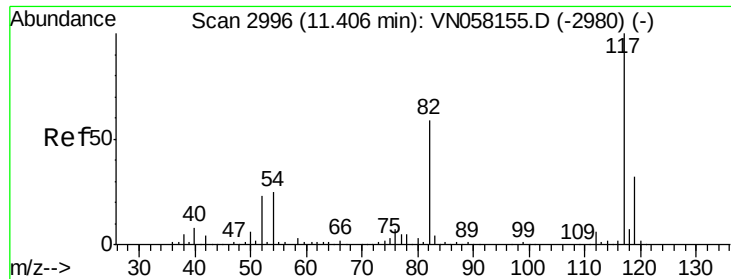
Tot Ion:107 Resp: 1334
 Ion Ratio Lower Upper
 107 100
 109 1812.1 75.4 113.2#



#62
 4-Bromofluorobenzene
 Concen: 52.489 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion: 95 Resp: 392973
 Ion Ratio Lower Upper
 95 100
 174 69.1 0.0 152.2
 176 67.4 0.0 148.0

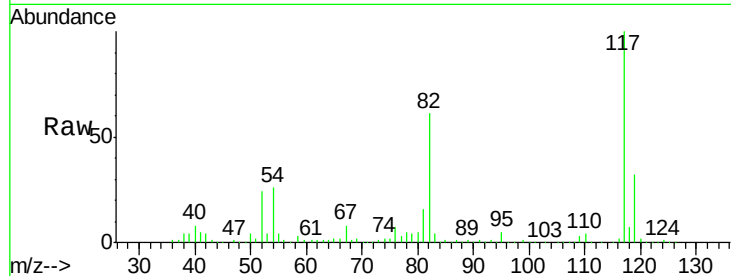




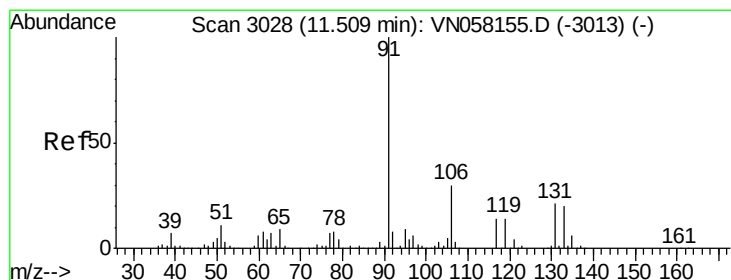
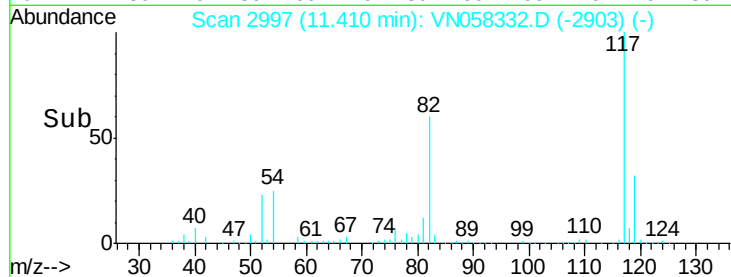
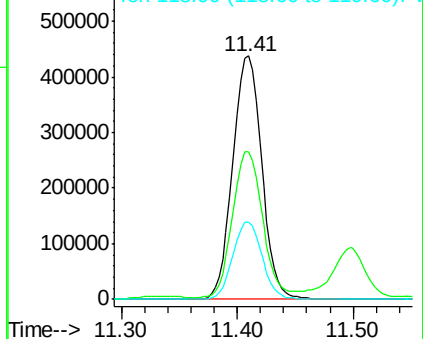
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 761196
Ion Ratio Lower Upper
117 100
82 60.0 46.9 70.3
119 32.0 25.3 37.9

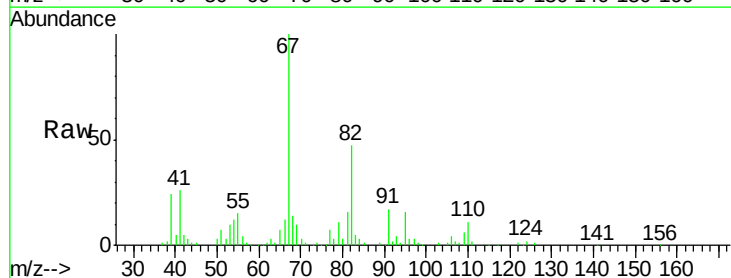


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

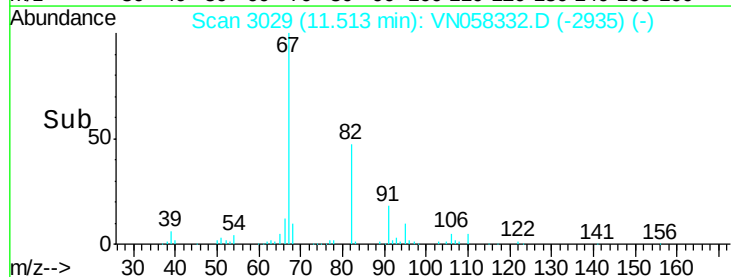
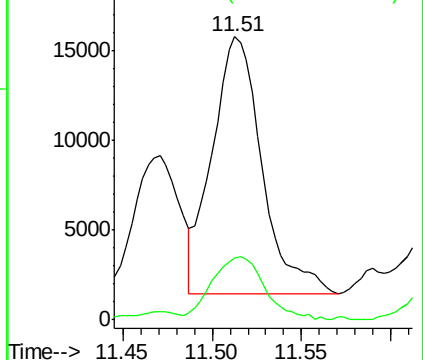


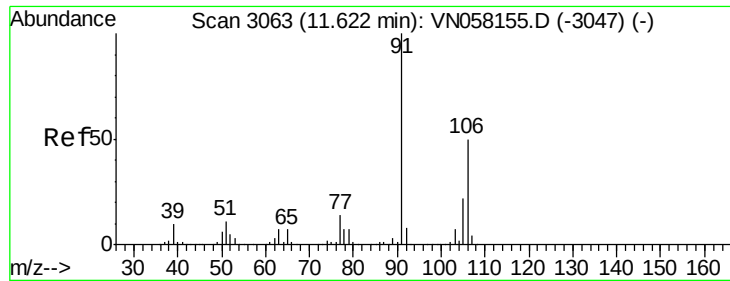
#67
Ethyl Benzene
Concen: 1.216 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion: 91 Resp: 27898
Ion Ratio Lower Upper
91 100
106 23.1 24.0 36.0#



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

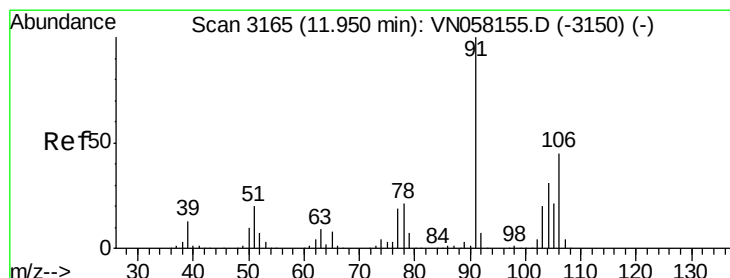
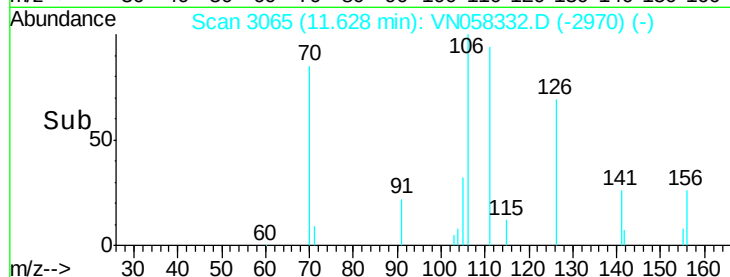
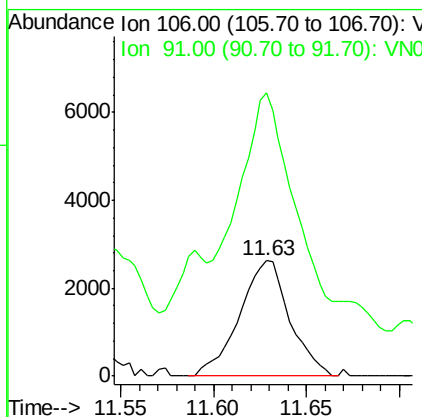
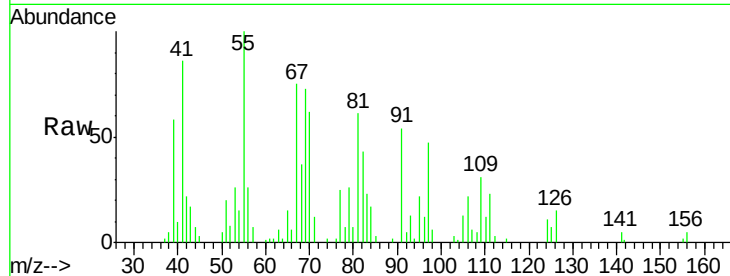




#68
m/p-Xylenes
Concen: 0.575 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

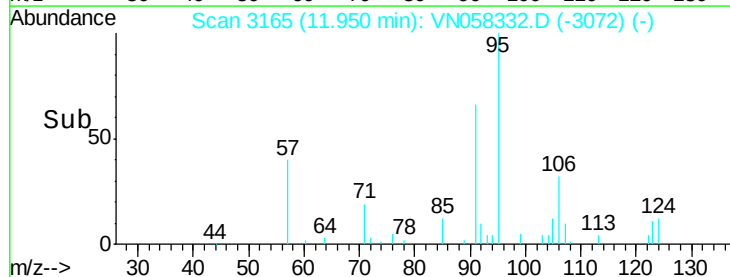
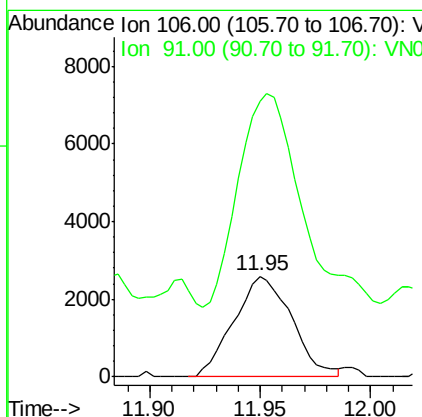
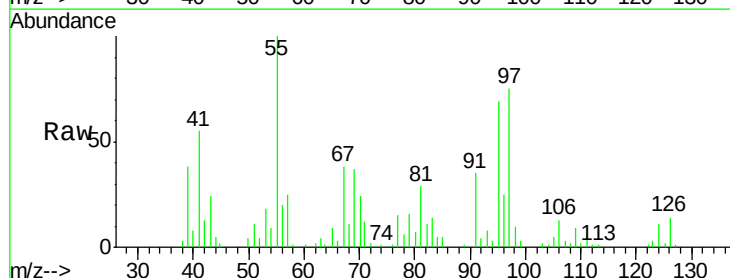
Instrument :
MSVOA_N
ClientSampled :

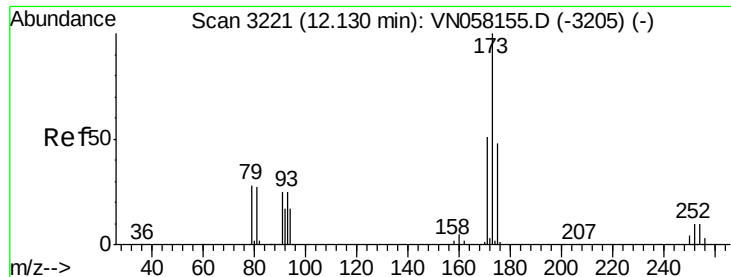
Tot Ion:106 Resp: 4972
Ion Ratio Lower Upper
106 100
91 183.2 163.6 245.4



#69
o-Xylene
Concen: 0.554 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058332.D
Acq: 24 Sep 2019 7:02

Tgt Ion:106 Resp: 4709
Ion Ratio Lower Upper
106 100
91 232.1 111.8 335.3





#71

Bromoform

Concen: 3.624 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

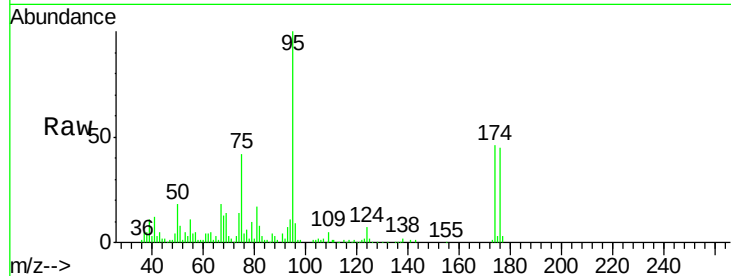
Tot Ion:173 Resp: 112

Ion Ratio Lower Upper

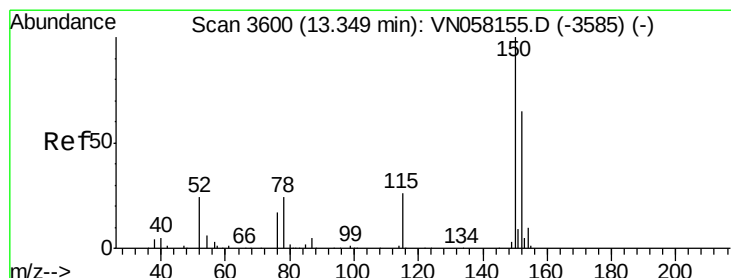
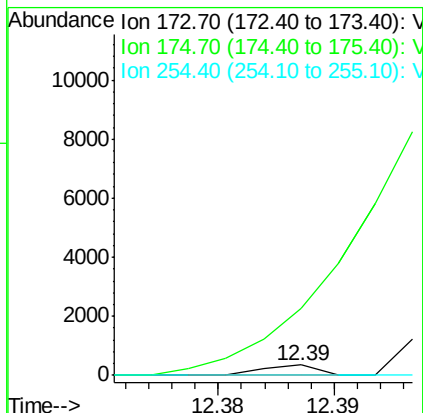
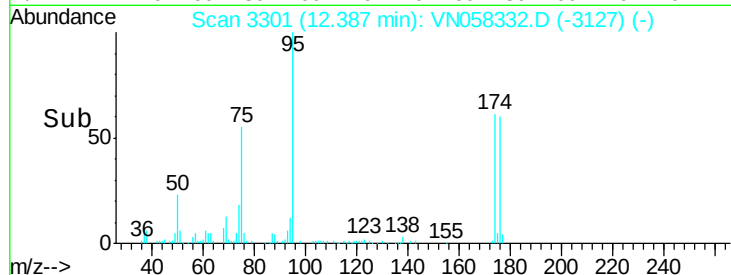
173 100

175 0.0 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# 3601

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

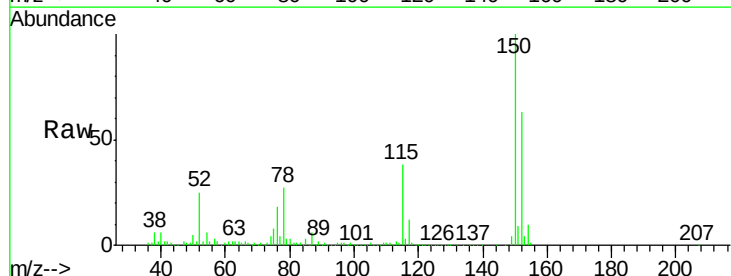
Tgt Ion:152 Resp: 347379

Ion Ratio Lower Upper

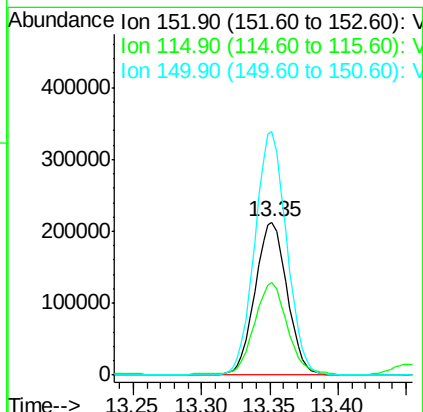
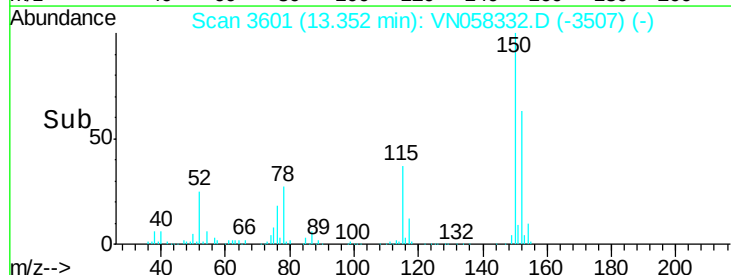
152 100

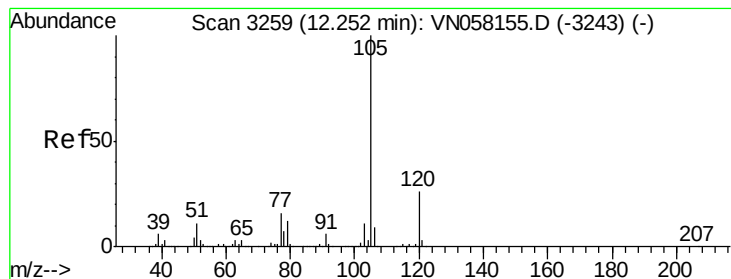
115 62.2 30.1 90.3

150 158.4 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: 104.496 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

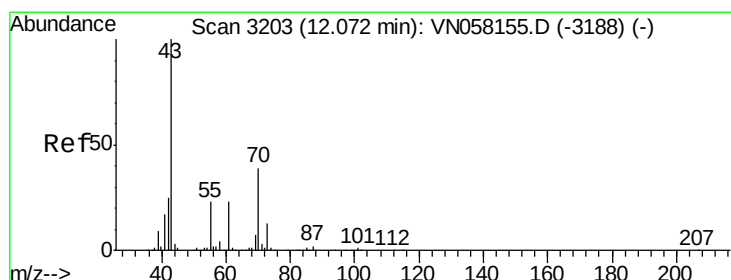
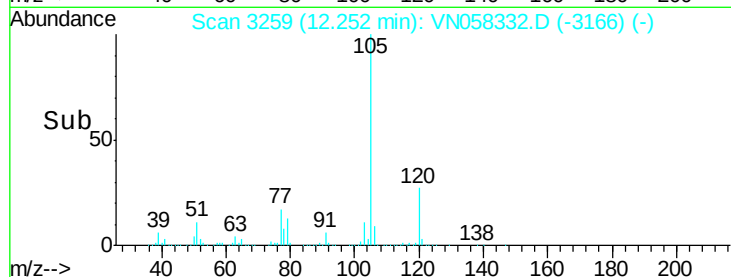
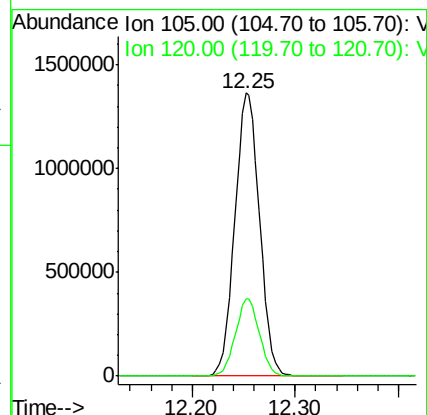
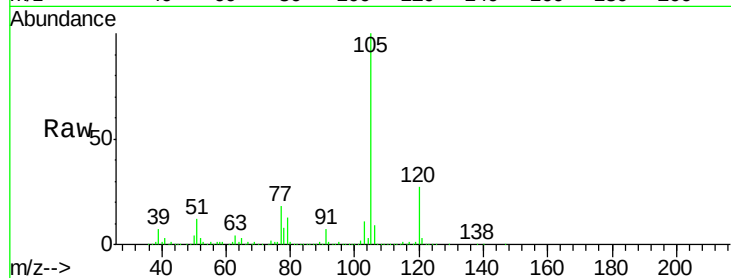
ClientSampled :

Tot Ion:105 Resp: 2272139

Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3



#74

N-ethyl acetate

Concen: 3.570 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Tgt Ion: 43 Resp: 32475

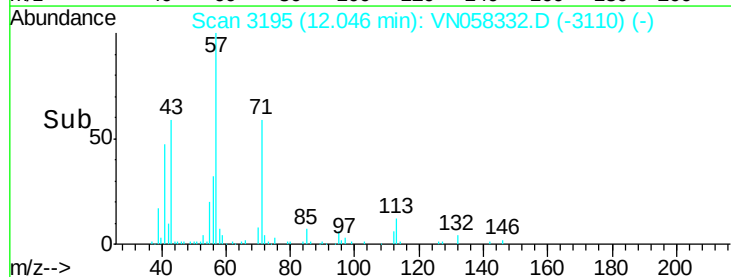
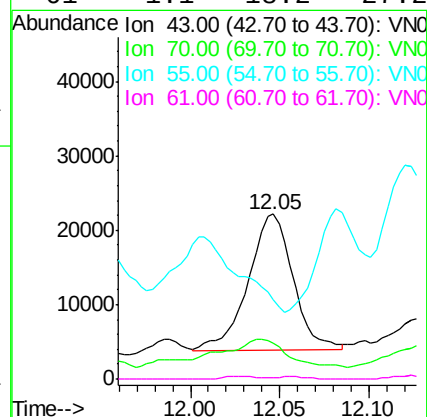
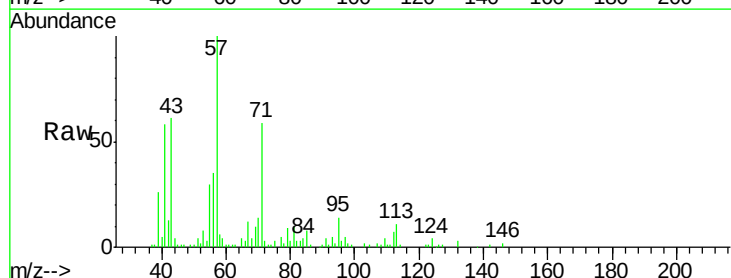
Ion Ratio Lower Upper

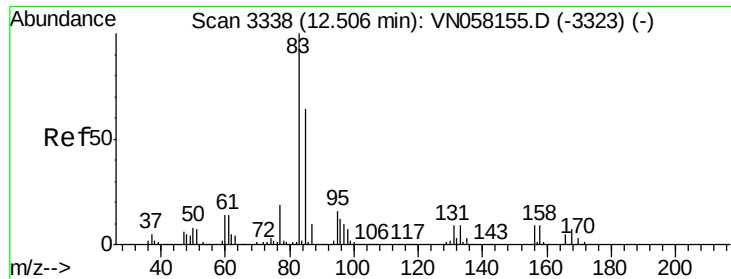
43 100

70 28.8 31.0 46.6#

55 0.0 18.5 27.7#

61 1.1 18.2 27.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.988 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

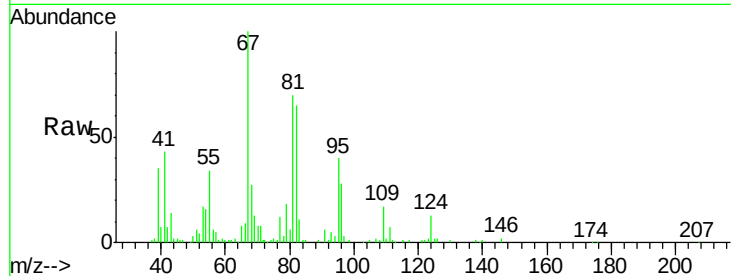
Tot Ion: 83 Resp: 7196

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

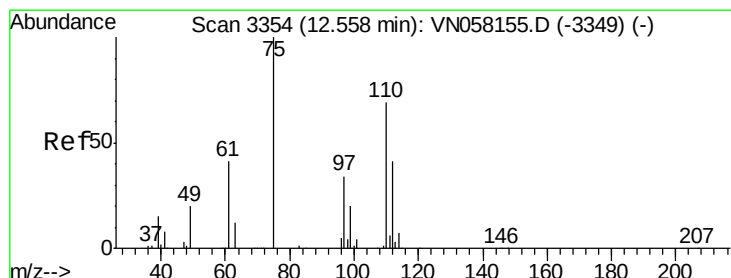
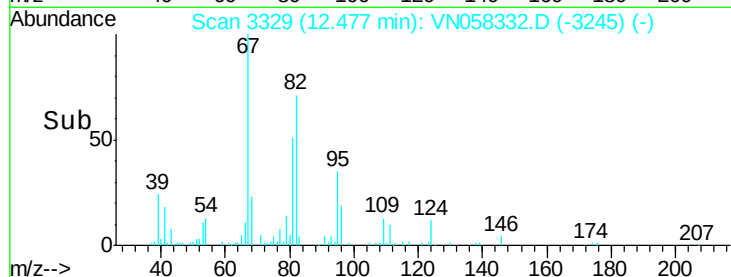
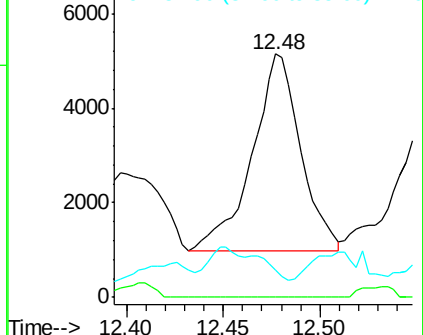
85 0.0 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 3.436 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN058332.D

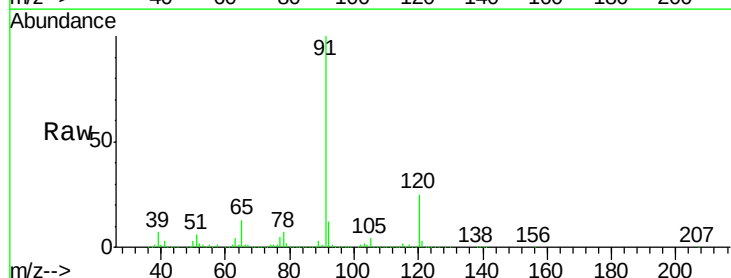
Acq: 24 Sep 2019 7:02

Tgt Ion: 75 Resp: 21359

Ion Ratio Lower Upper

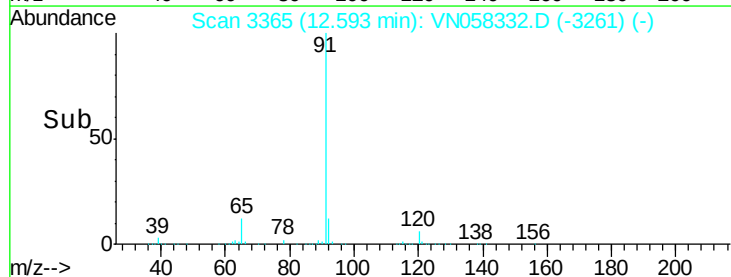
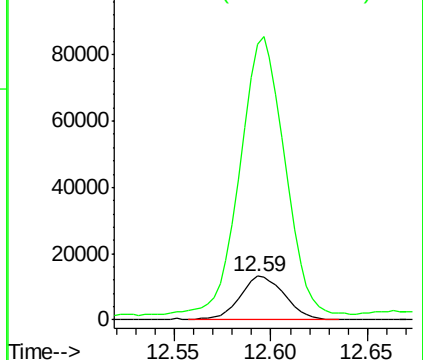
75 100

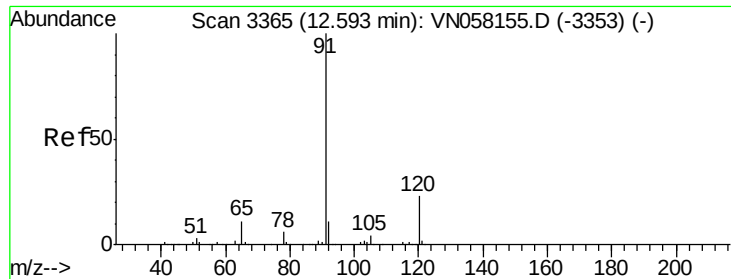
77 635.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 121.283 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

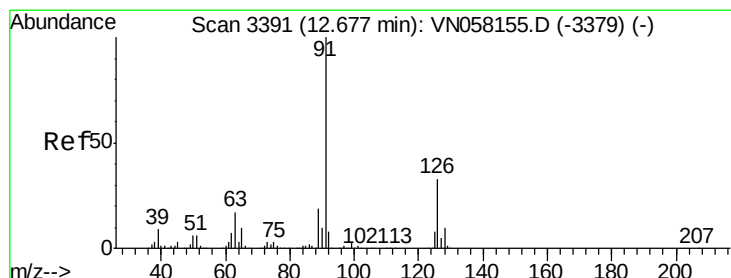
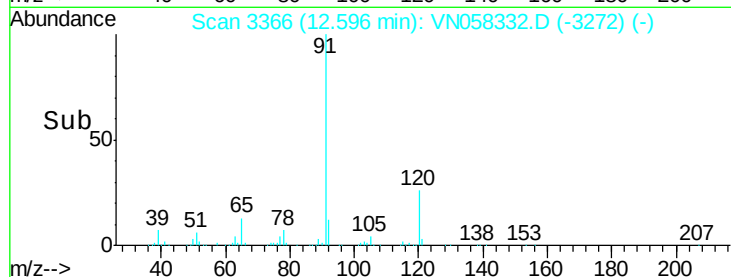
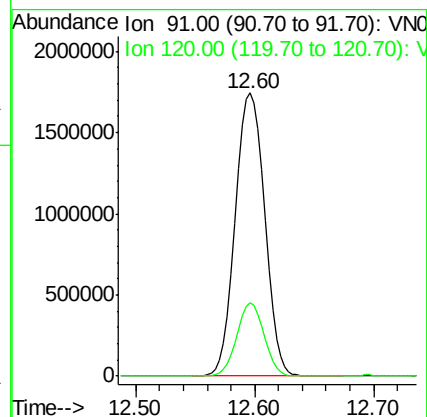
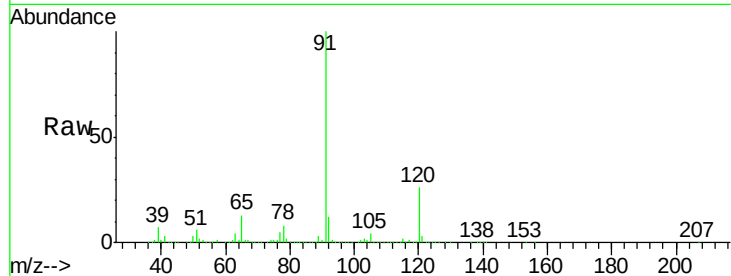
ClientSampled :

Tot Ion: 91 Resp: 2996713

Ion Ratio Lower Upper

91 100

120 24.0 11.1 33.3



#79

2-Chlorotoluene

Concen: 194.062 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058332.D

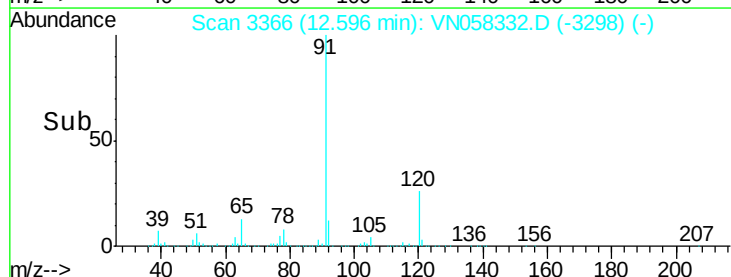
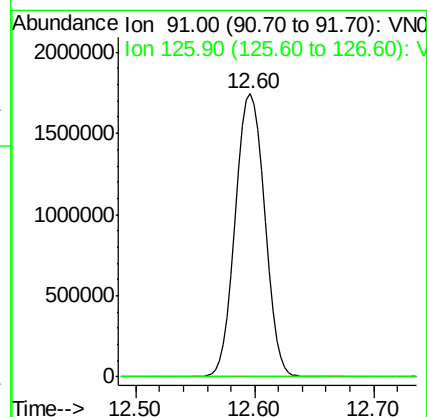
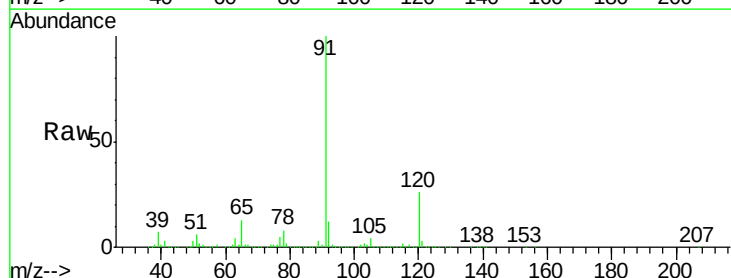
Acq: 24 Sep 2019 7:02

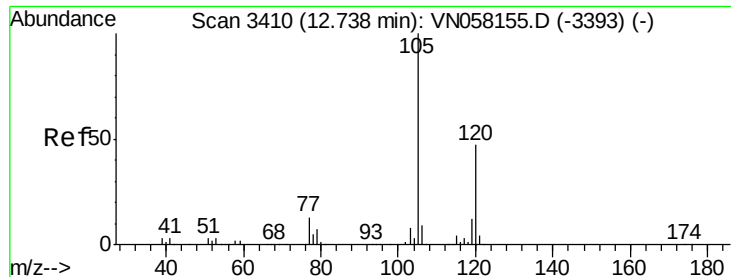
Tgt Ion: 91 Resp: 2996713

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#

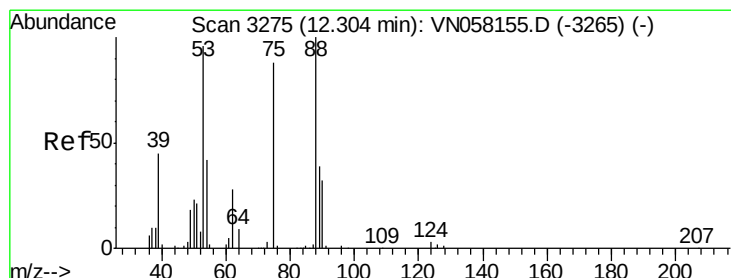
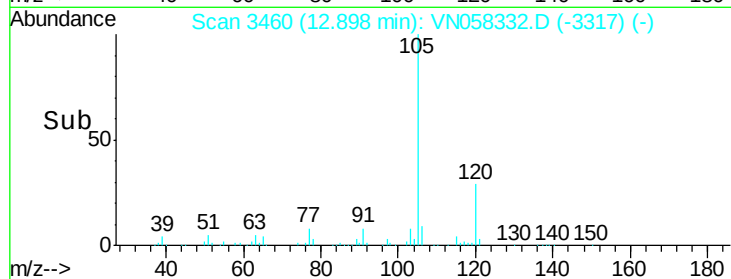
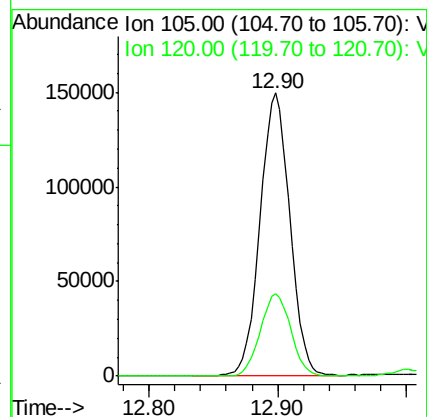
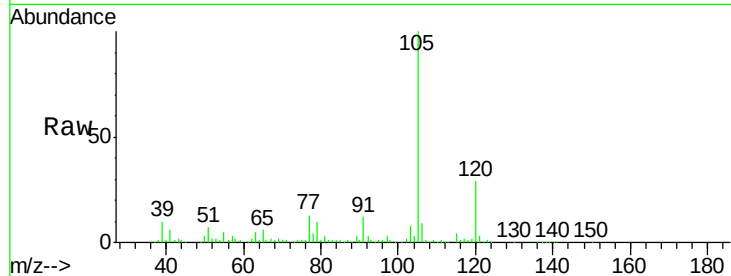




#80
 1,3,5-Trimethylbenzene
 Concen: 13.115 ug/l
 RT: 12.90 min Scan# 3460
 Delta R.T. 0.16 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

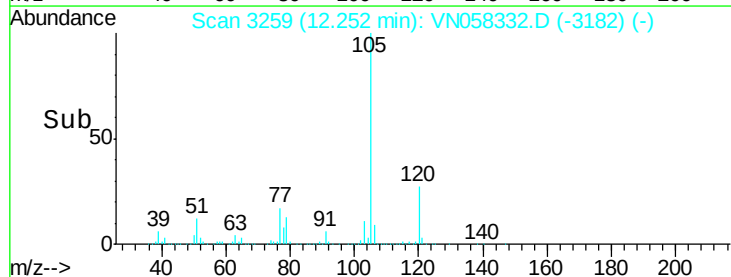
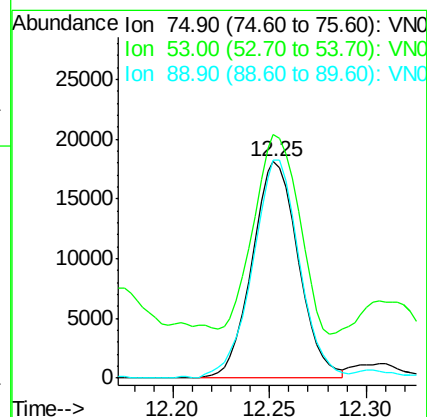
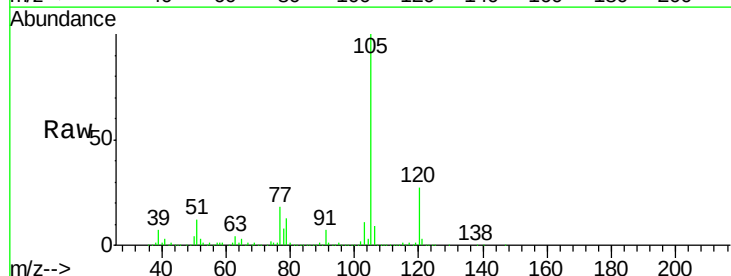
Instrument :
 MSVOA_N
 ClientSampled :

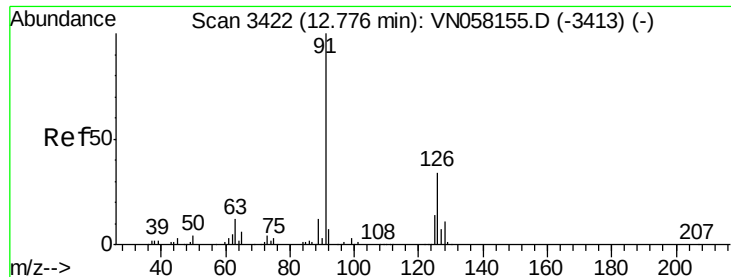
Tot Ion:105 Resp: 241141
 Ion Ratio Lower Upper
 105 100
 120 29.7 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.591 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.05 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion: 75 Resp: 30258
 Ion Ratio Lower Upper
 75 100
 53 89.9 90.1 135.1#
 89 101.3 36.2 54.2#





#82

4-Chlorotoluene

Concen: 184.615 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.18 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

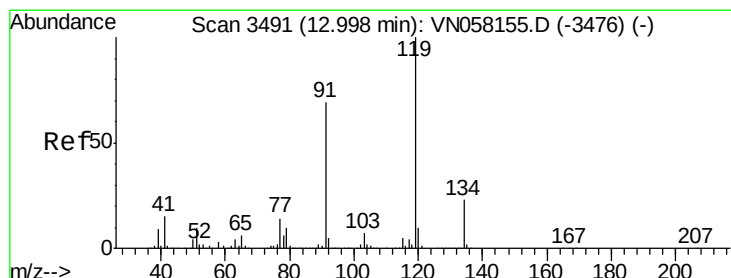
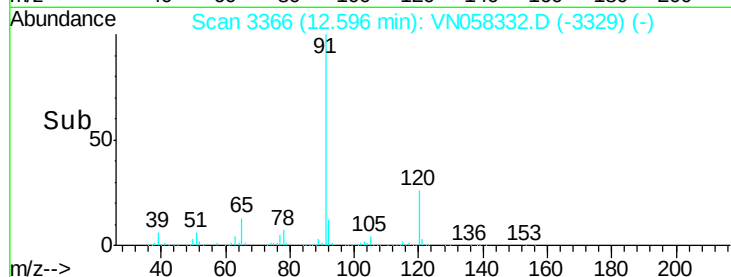
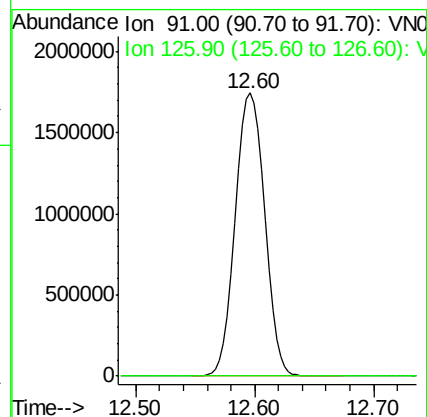
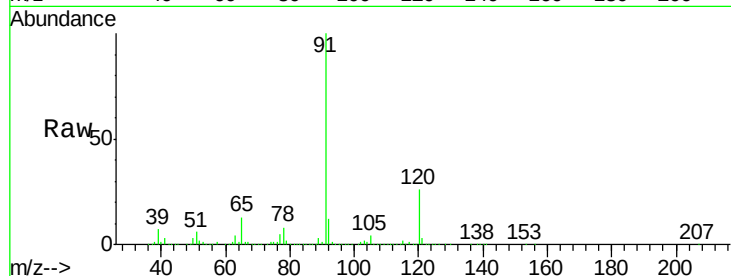
ClientSampled :

Tot Ion: 91 Resp: 2996713

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



#83

tert-Butylbenzene

Concen: 3.542 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

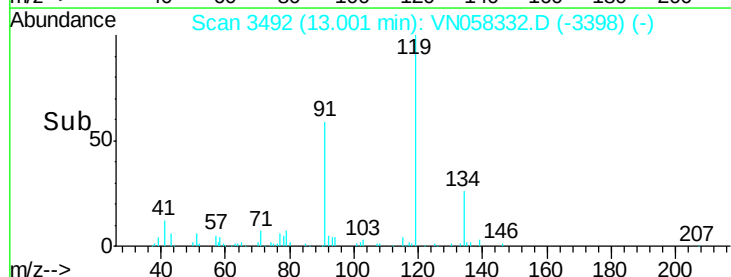
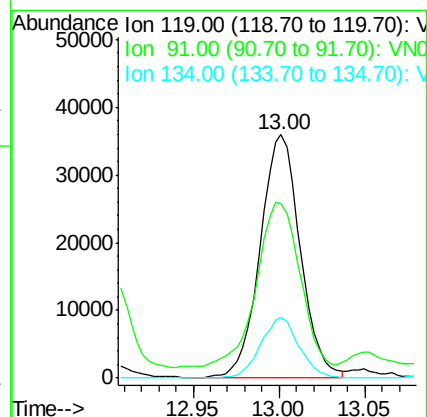
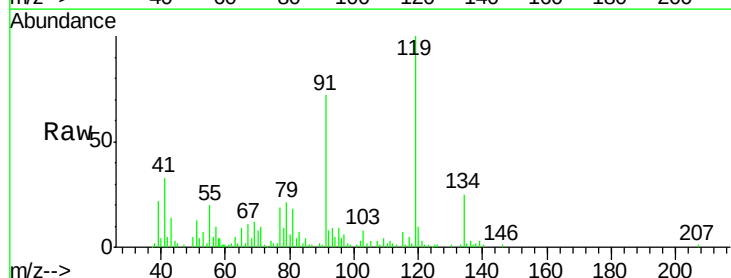
Tgt Ion: 119 Resp: 58086

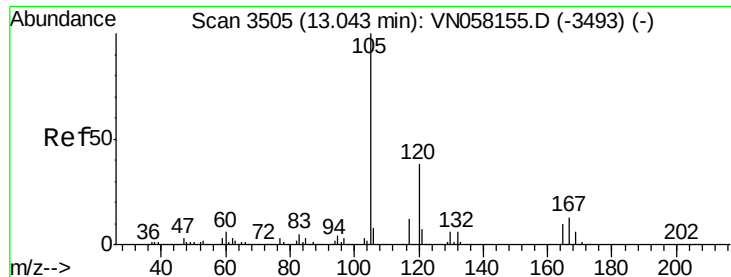
Ion Ratio Lower Upper

119 100

91 71.9 33.8 101.3

134 23.9 11.6 34.8

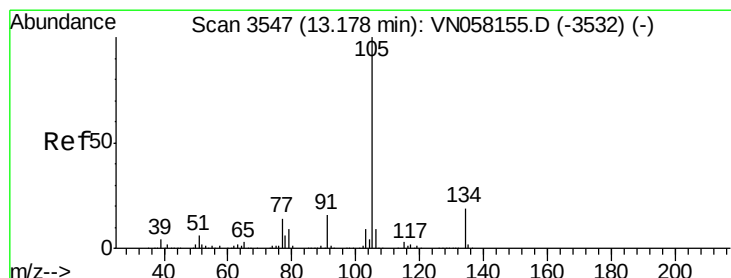
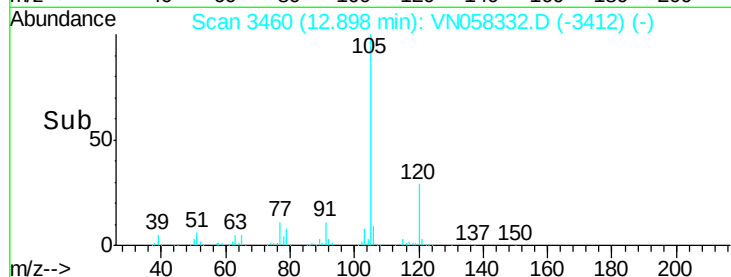
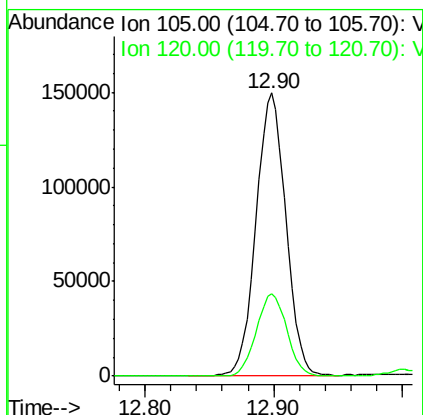
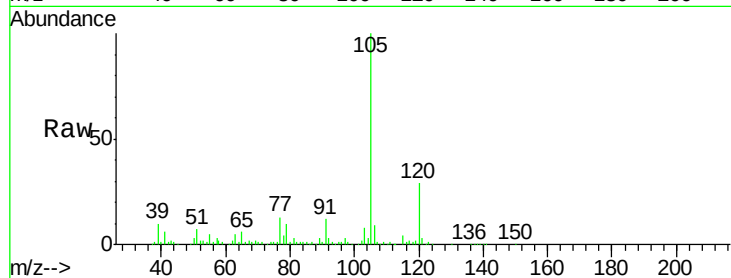




#84
 1,2,4-Trimethylbenzene
 Concen: 13.179 ug/l
 RT: 12.90 min Scan# 3460
 Delta R.T. -0.14 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

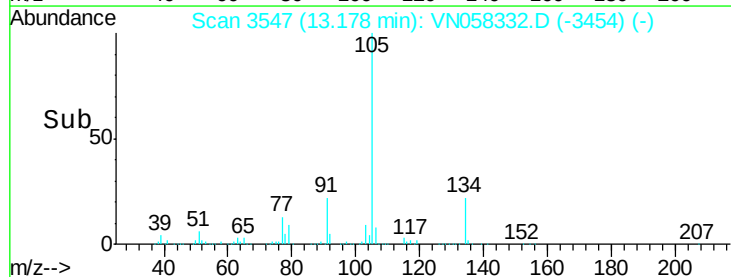
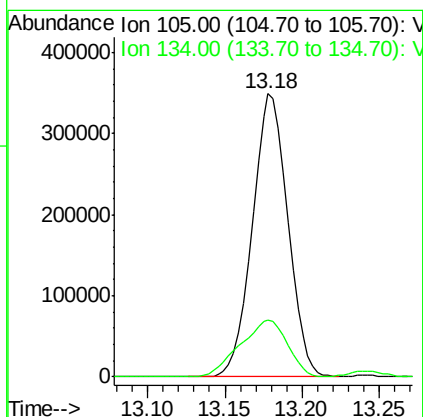
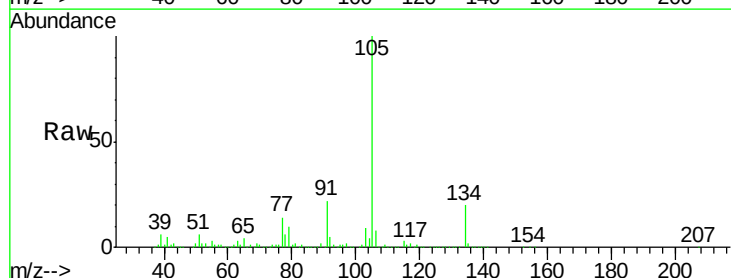
Instrument :
 MSVOA_N
 ClientSampled :

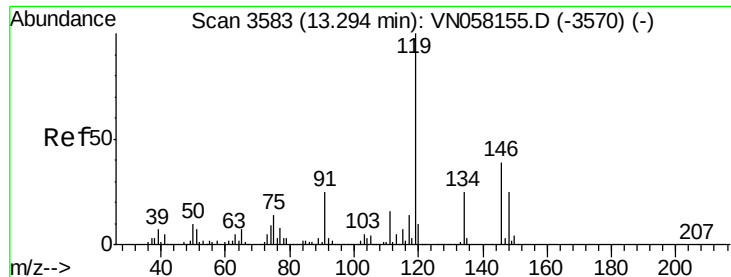
Tot Ion:105 Resp: 241141
 Ion Ratio Lower Upper
 105 100
 120 29.7 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 25.905 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion:105 Resp: 555458
 Ion Ratio Lower Upper
 105 100
 134 27.0 9.5 28.5

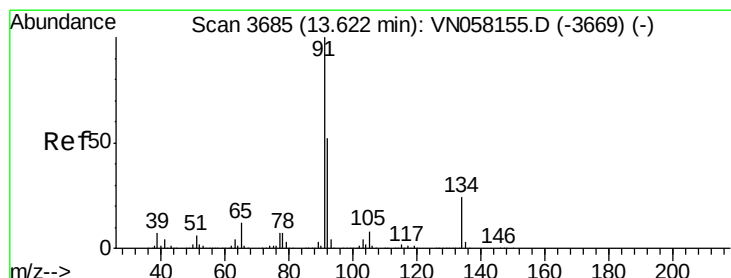
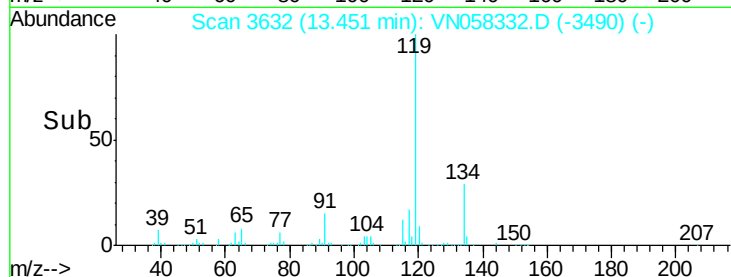
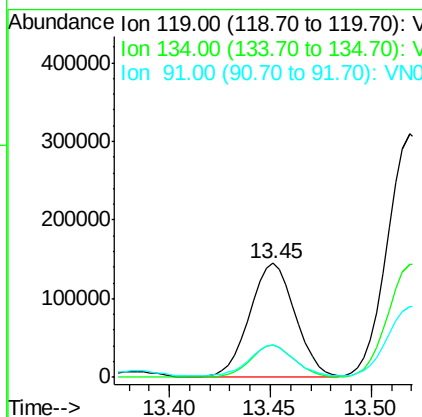
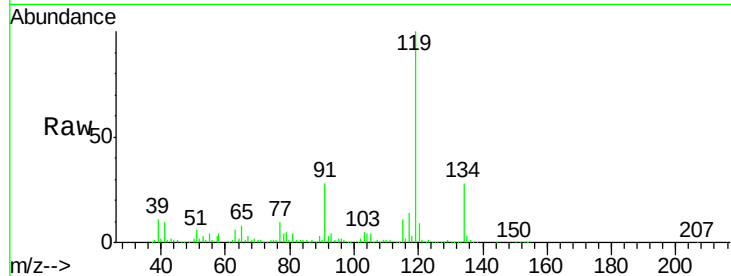




#86
 p-Isopropyltoluene
 Concen: 11.947 ug/l
 RT: 13.45 min Scan# 3632
 Delta R.T. 0.16 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

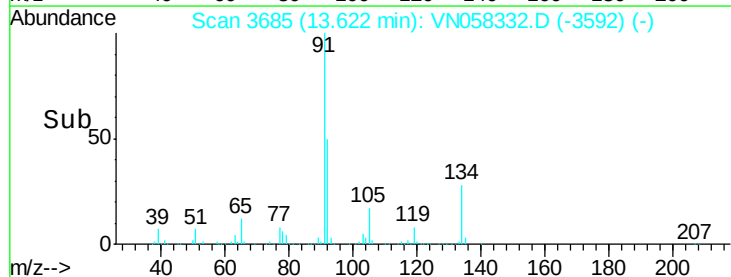
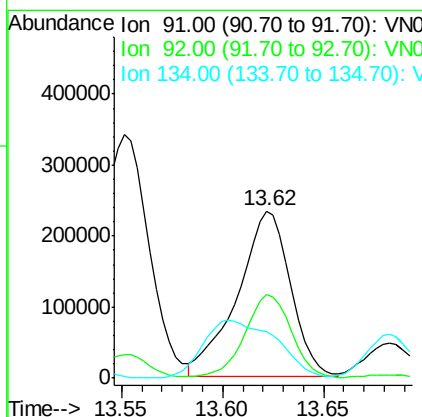
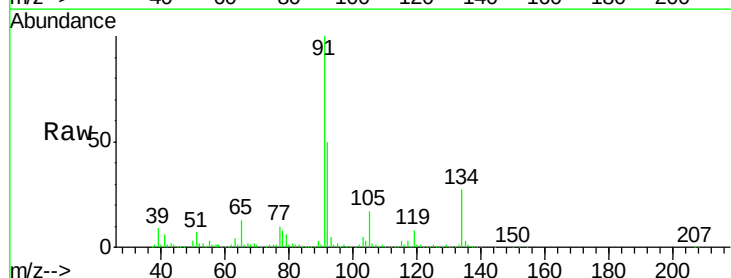
Instrument :
 MSVOA_N
 ClientSampled :

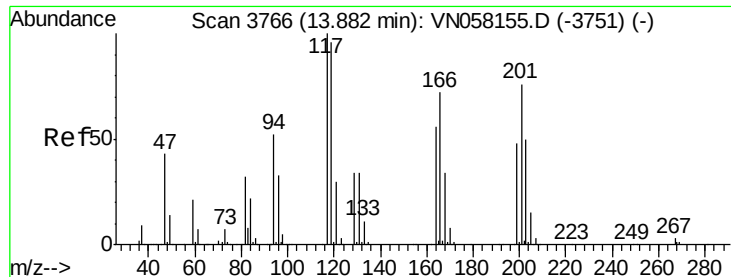
Tot Ion:119 Resp: 227728
 Ion Ratio Lower Upper
 119 100
 134 27.3 12.7 38.0
 91 26.6 12.3 36.8



#89
 n-Butylbenzene
 Concen: 23.753 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058332.D
 Acq: 24 Sep 2019 7:02

Tgt Ion: 91 Resp: 429282
 Ion Ratio Lower Upper
 91 100
 92 44.0 25.7 77.0
 134 47.8 11.8 35.4#





#90

Hexachloroethane

Concen: 55.876 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

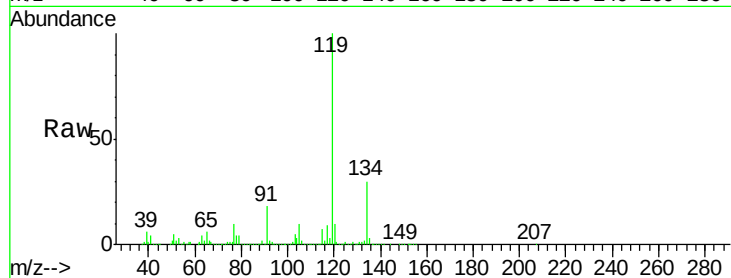
ClientSampled :

Tot Ion:117 Resp: 187949

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

400000

300000

200000

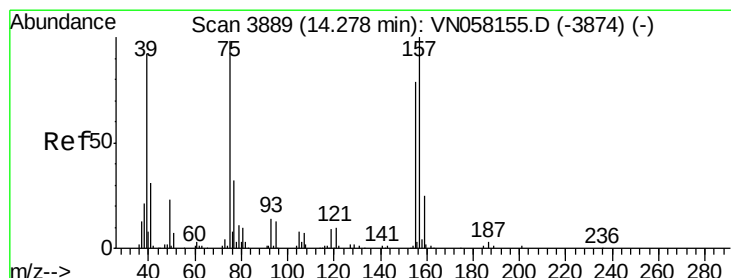
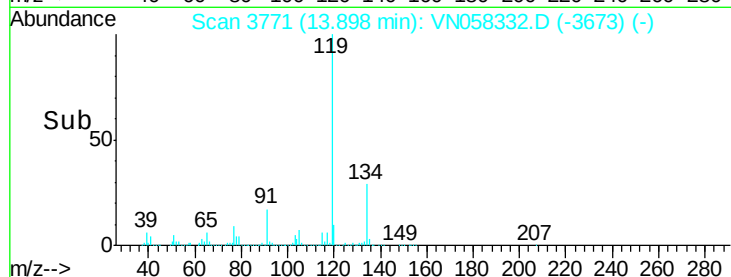
100000

0

13.85

13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.702 ug/l

RT: 14.22 min Scan# 3871

Delta R.T. -0.06 min

Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

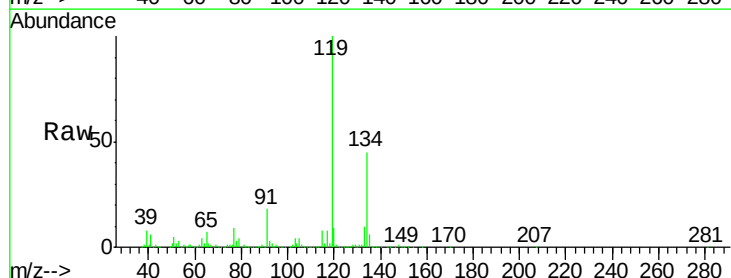
Tgt Ion: 75 Resp: 7475

Ion Ratio Lower Upper

75 100

155 9.2 38.3 114.8#

157 0.0 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

6000

4000

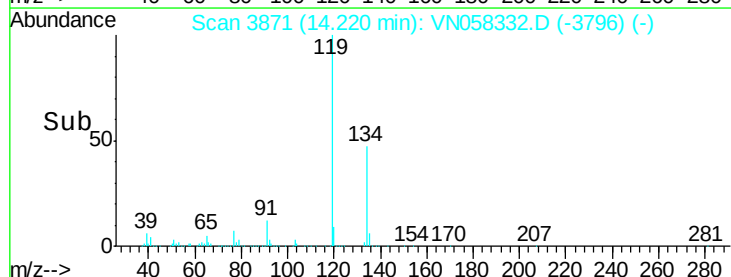
2000

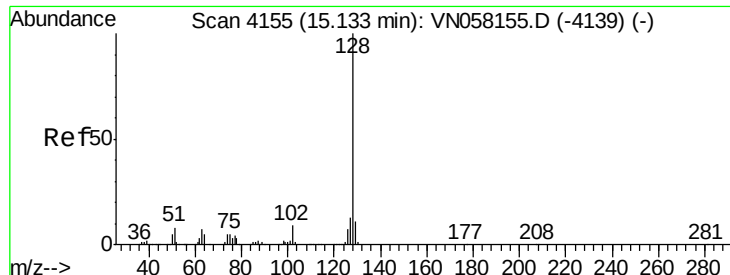
0

14.20

14.25

Time-->





#95

Naphthalene

Concen: 2.424 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

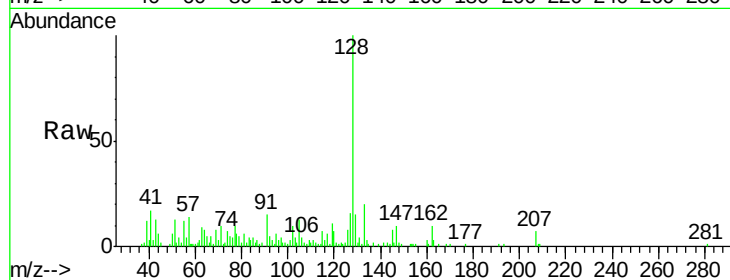
Lab File: VN058332.D

Acq: 24 Sep 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :



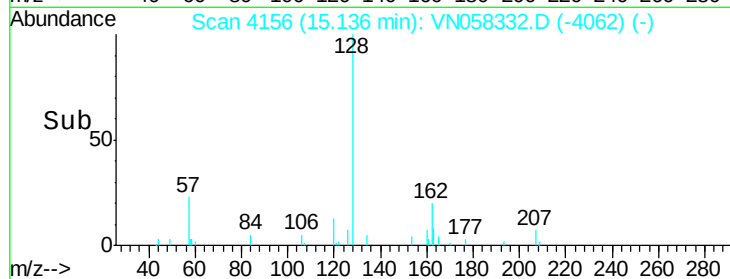
Tot Ion:128 Resp: 40219

Ion Ratio Lower Upper

128 100

127 12.8 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

