

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055772.D
 Acq On : 23 May 2019 23:02
 Operator : JC/SP
 Sample : K2996-10 10X
 Misc : 5.72g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-9(4.5-5.0)

Quant Time: May 24 06:53:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	429598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	584337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	533135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	187342	42.23	ug/l	0.00
Spiked Amount			Recovery	=	84.46%	
35) Dibromofluoromethane	7.59	113	174292	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	10.09	98	704744	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	262364	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	8389	9.896	ug/l #	74
13) Acrolein	3.60	56	367	0.605	ug/l #	15
14) Allyl chloride	4.57	41	153125	24.448	ug/l #	62
15) Acrylonitrile	5.04	53	9080	4.665	ug/l #	33
16) Acetone	3.78	43	16881	8.656	ug/l #	49
18) Methyl Acetate	4.57	43	438049	112.056	ug/l #	51
20) Methylene Chloride	4.68	84	18365	4.348	ug/l #	10
23) Vinyl Acetate	5.91	43	6251	0.598	ug/l #	71
25) 2-Butanone	6.81	43	3560	1.307	ug/l #	47
29) Tetrahydrofuran	7.20	42	757	0.439	ug/l #	32
30) Chloroform	7.32	83	44509	6.292	ug/l #	18
31) Cyclohexane	7.63	56	174750	26.242	ug/l #	56
36) 1,1-Dichloropropene	7.66	75	23506	4.616	ug/l #	48
38) Carbon Tetrachloride	7.66	117	33288	6.276	ug/l #	14
39) Methylcyclohexane	9.08	83	274138	43.474	ug/l	94
40) Benzene	8.04	78	15122	0.985	ug/l	92
41) Methacrylonitrile	7.20	41	10140	4.078	ug/l #	41
43) Isopropyl Acetate	8.15	43	54591	6.602	ug/l #	53
46) Dibromomethane	9.16	93	1373	0.524	ug/l #	1
47) Bromodichloromethane	9.38	83	70054	13.028	ug/l #	26
48) Methyl methacrylate	9.22	41	10829	2.841	ug/l #	27
51) 4-Methyl-2-Pentanone	10.02	43	40152	8.221	ug/l #	78
52) Toluene	10.16	92	8879	0.920	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	121998	31.550	ug/l #	19
56) Ethyl methacrylate	10.47	69	23949	4.008	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.66	63	1690	0.740	ug/l #	46
59) 2-Hexanone	10.72	43	104712	30.223	ug/l #	30
67) Ethyl Benzene	11.51	91	523551	27.355	ug/l	98
68) m/p-Xylenes	11.62	106	57787	7.986	ug/l	97
69) o-Xylene	11.95	106	3582	0.499	ug/l	79
71) Bromoform	12.40	173	1821	0.502	ug/l #	1
73) Isopropylbenzene	12.25	105	681040	36.503	ug/l	100
74) N-amyl acetate	12.04	43	68163	7.867	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.49	83	5544	Below Cal	#	24

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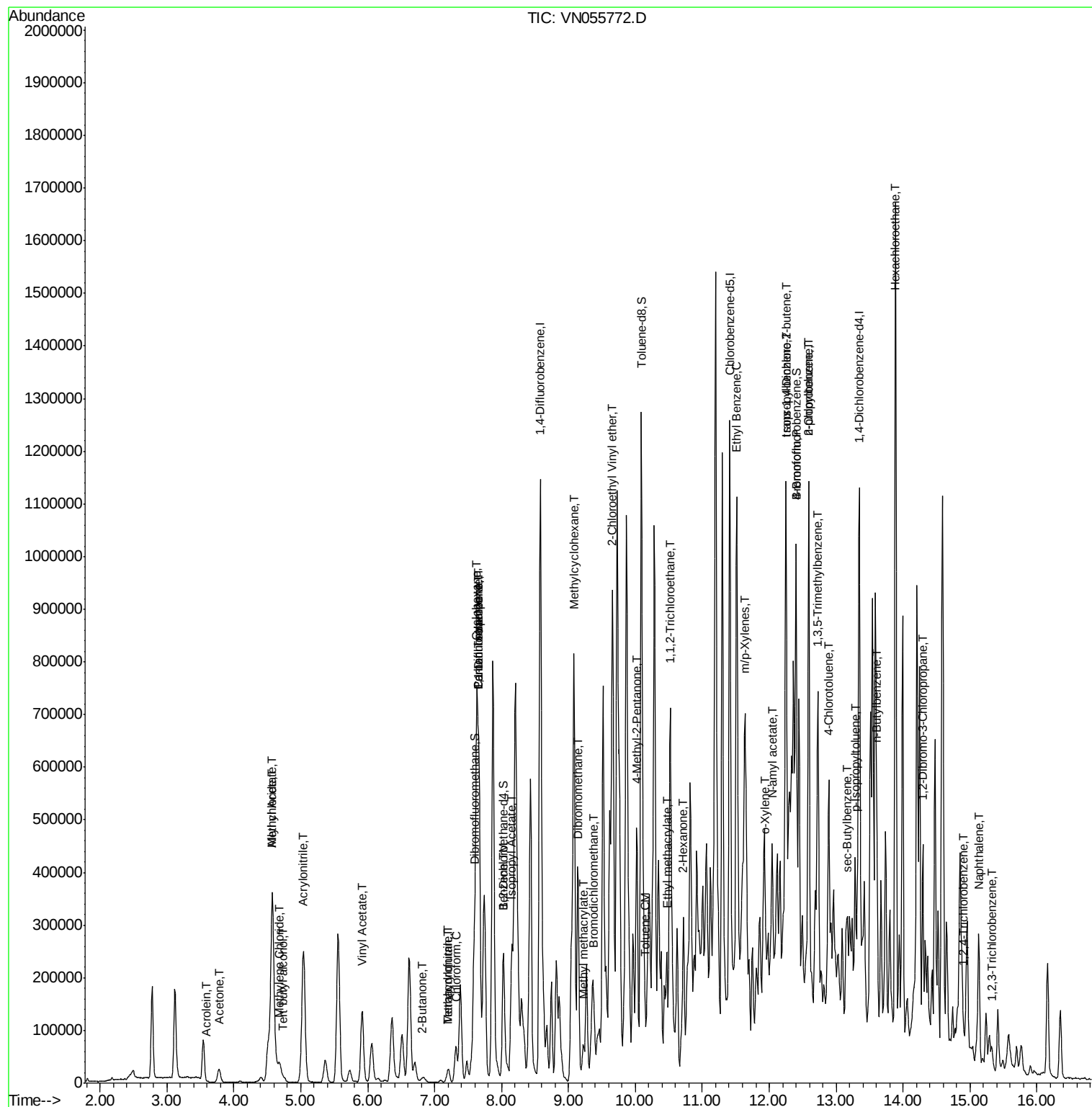
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	12.59	75	4375	Below Cal	#	100
78) n-propylbenzene	12.59	91	751602	33.622	ug/l	99
79) 2-Chlorotoluene	12.59	91	751602	63.086	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	108638	4.737	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.25	75	7105	3.717	ug/l #	58
82) 4-Chlorotoluene	12.89	91	32285	2.457	ug/l #	51
83) tert-Butylbenzene	12.99	119	16220	Below Cal		96
84) 1,2,4-Trimethylbenzene	13.04	105	21893	Below Cal		94
85) sec-Butylbenzene	13.17	105	99129	3.530	ug/l #	57
86) p-Isopropyltoluene	13.29	119	49599	2.777	ug/l	98
89) n-Butylbenzene	13.61	91	220111	16.083	ug/l #	70
90) Hexachloroethane	13.89	117	82572	24.287	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.29	75	950	0.834	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	3323	4.254	ug/l #	74
94) Hexachlorobutadiene	15.01	225	858	Below Cal		91
95) Naphthalene	15.13	128	203320	17.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	4399	0.960	ug/l #	44

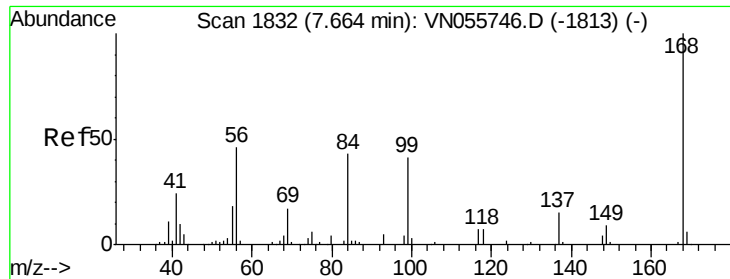
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

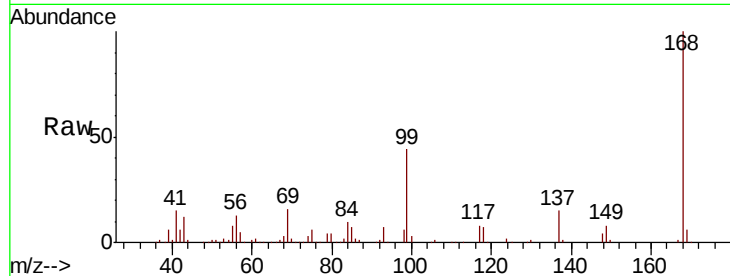
P-9(4.5-5.0)

Tot Ion:168 Resp: 429598

Ion Ratio Lower Upper

168 100

99 44.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055772.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055772.D (-1739) (-)

7.66

200000

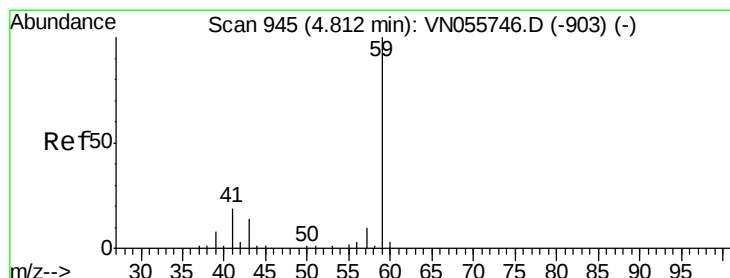
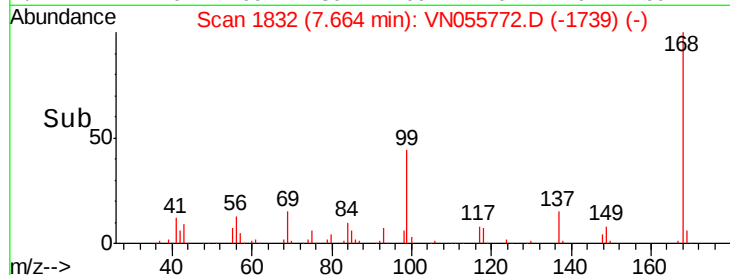
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.896 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN055772.D

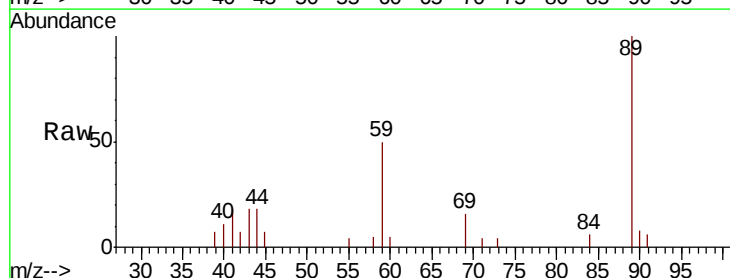
Acq: 23 May 2019 23:02

Tgt Ion: 59 Resp: 8389

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055772.D (-852) (-)

Ion 57.00 (56.70 to 57.70): VN055772.D (-852) (-)

4.74

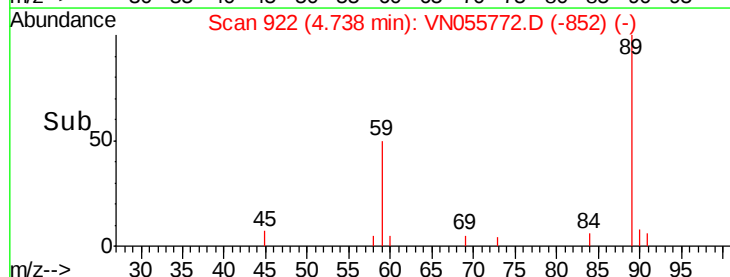
3000

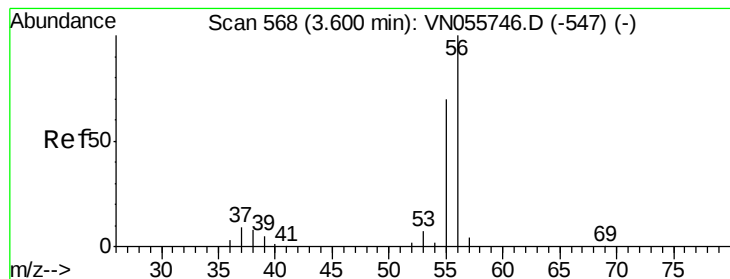
2000

1000

0

Time-->





#13

Acrolein

Concen: 0.605 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

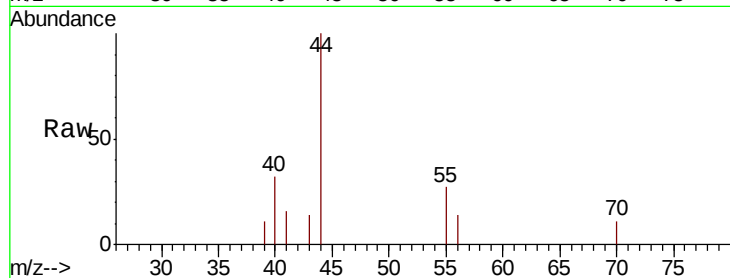
P-9(4.5-5.0)

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

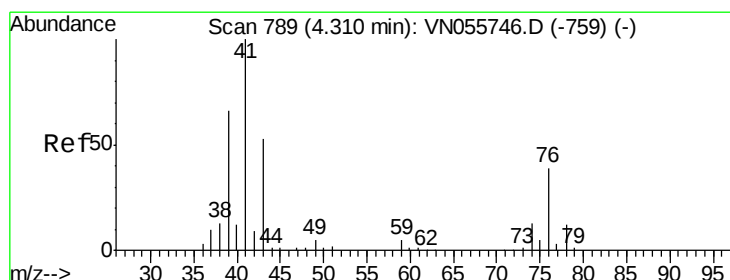
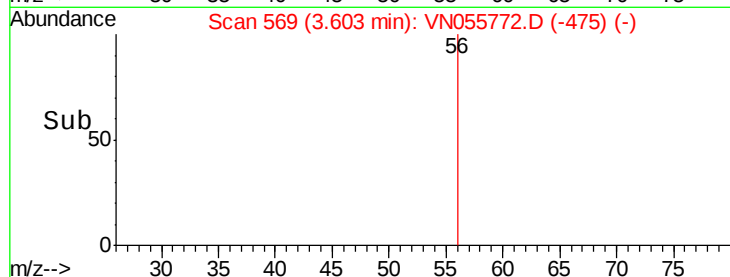
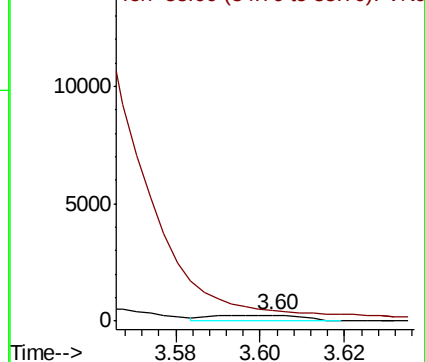
56 100

55 0.0 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 24.448 ug/l

RT: 4.57 min Scan# 871

Delta R.T. 0.26 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

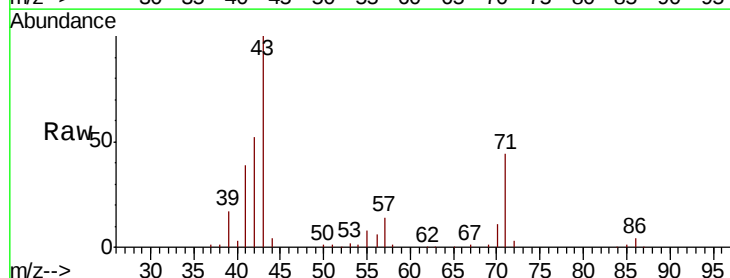
Tgt Ion: 41 Resp: 153125

Ion Ratio Lower Upper

41 100

39 42.8 50.0 75.0#

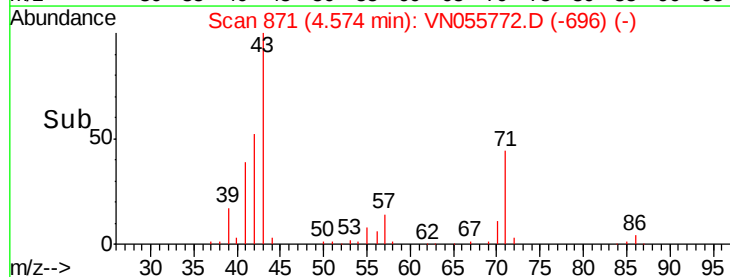
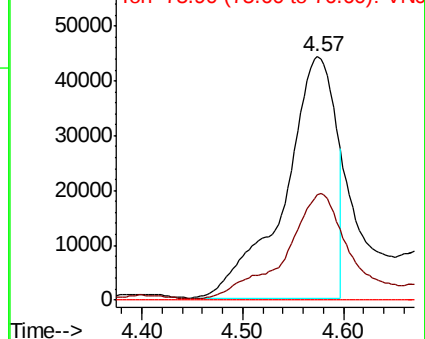
76 0.0 28.2 42.2#

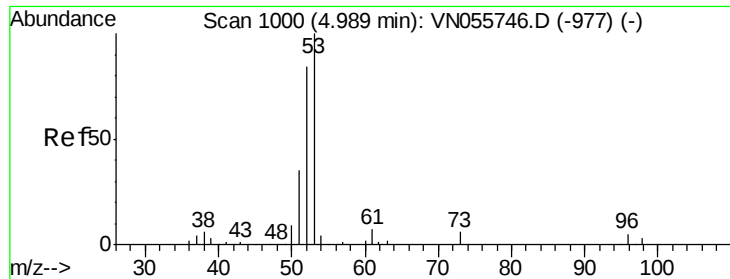


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 4.665 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.05 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

P-9(4.5-5.0)

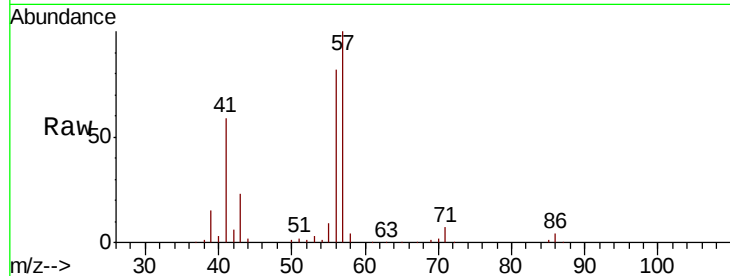
Tot Ion: 53 Resp: 9080

Ion Ratio Lower Upper

53 100

52 10.4 65.8 98.8#

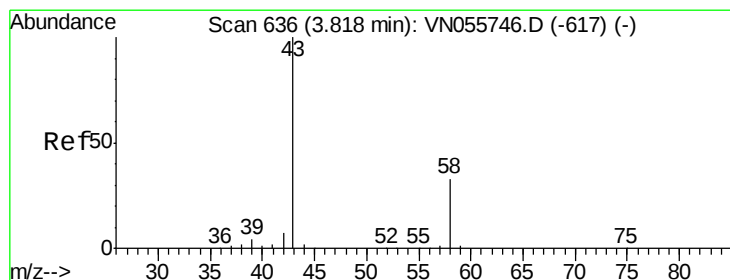
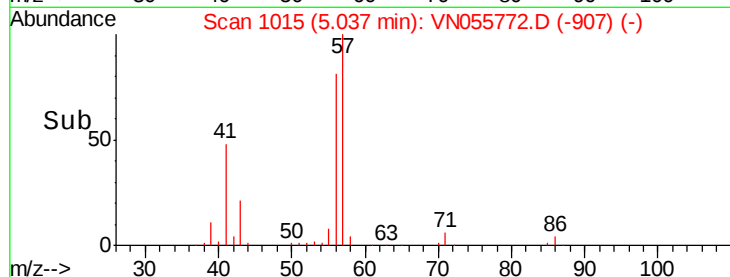
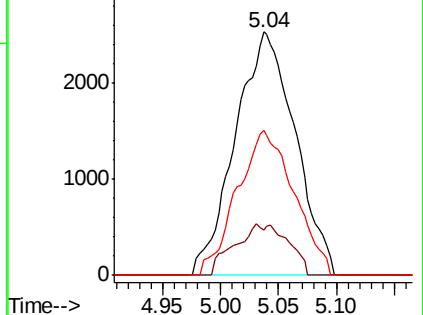
51 56.6 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 8.656 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.04 min

Lab File: VN055772.D

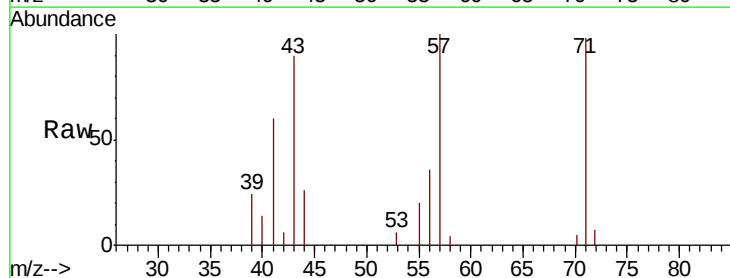
Acq: 23 May 2019 23:02

Tgt Ion: 43 Resp: 16881

Ion Ratio Lower Upper

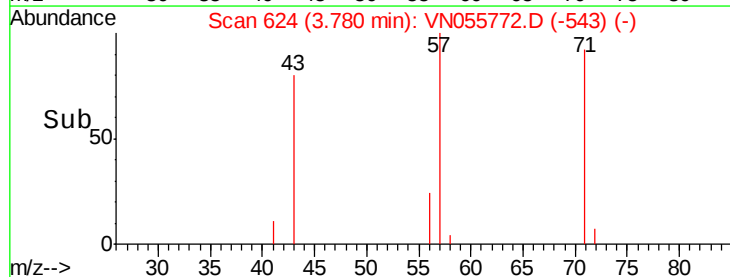
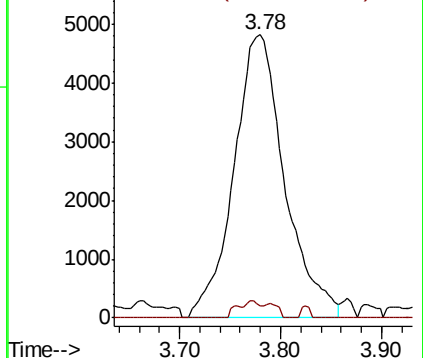
43 100

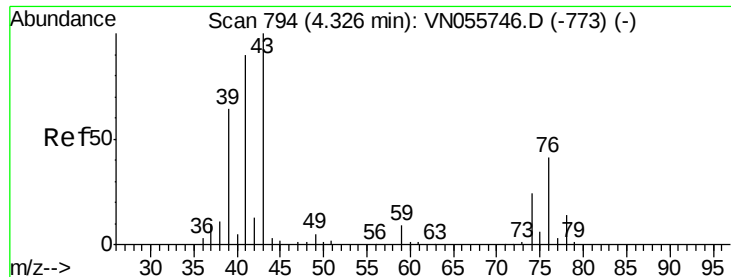
58 4.4 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

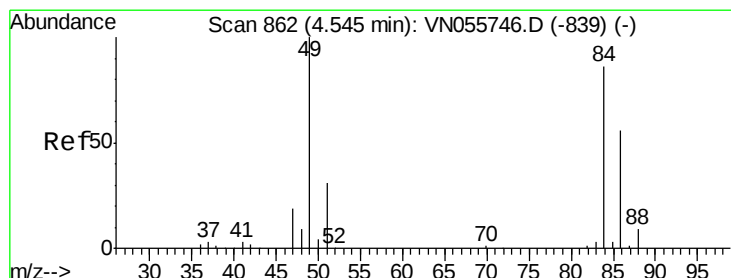
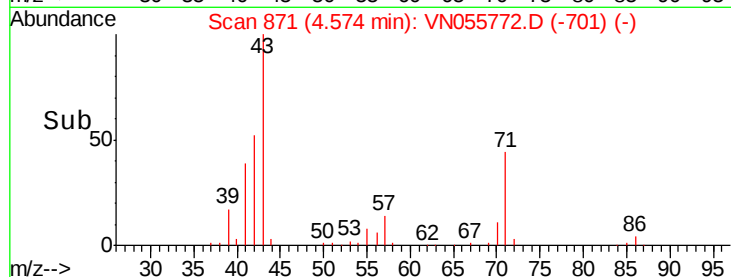
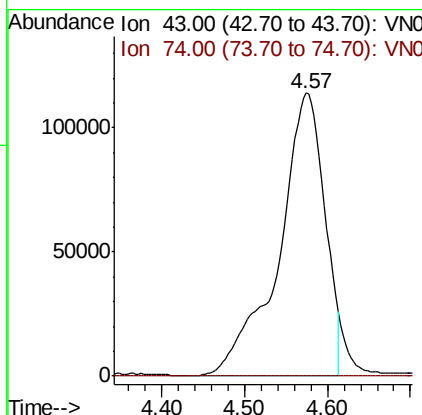
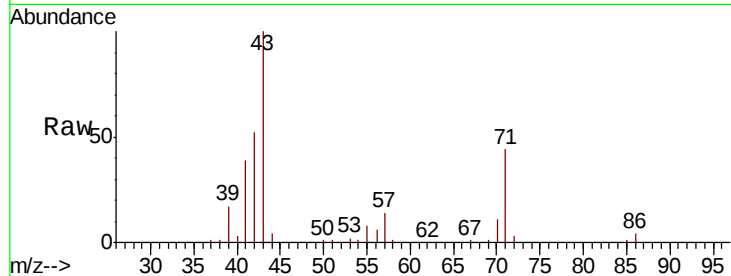




#18
Methyl Acetate
Concen: 112.056 ug/l
RT: 4.57 min Scan# 871
Delta R.T. 0.25 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

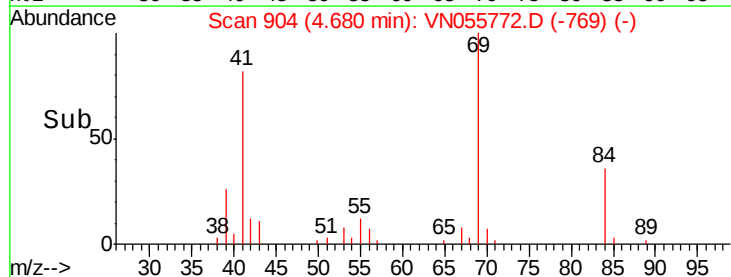
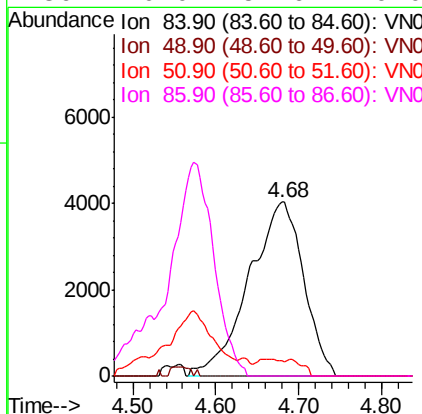
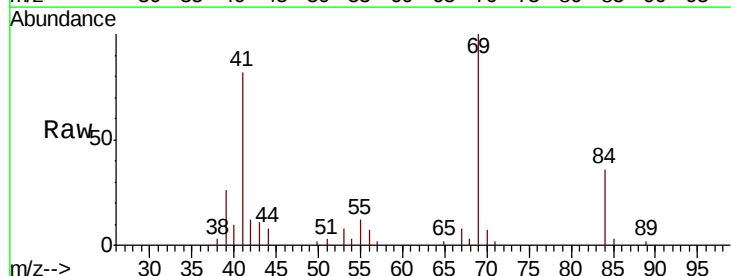
Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

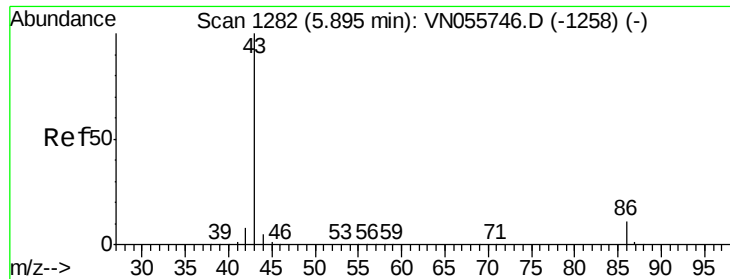
Tot Ion: 43 Resp: 438049
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 4.348 ug/l
RT: 4.68 min Scan# 904
Delta R.T. 0.14 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 84 Resp: 18365
Ion Ratio Lower Upper
84 100
49 0.0 93.5 140.3#
51 8.5 28.6 43.0#
86 0.0 52.6 79.0#

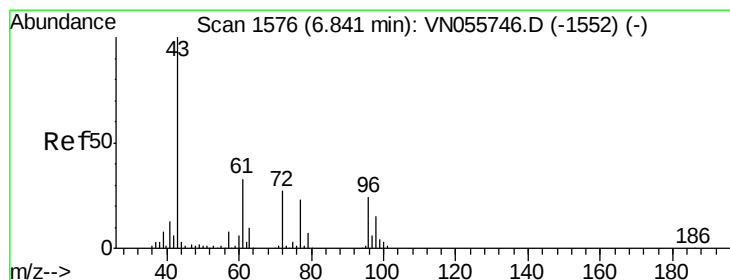
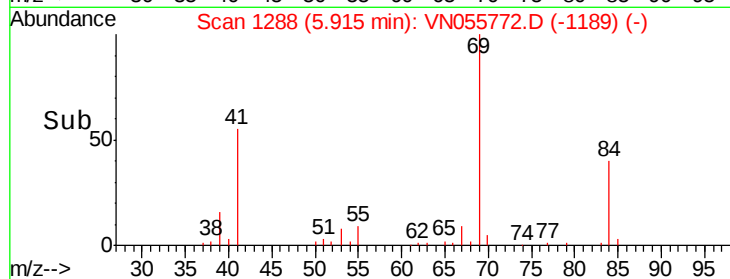
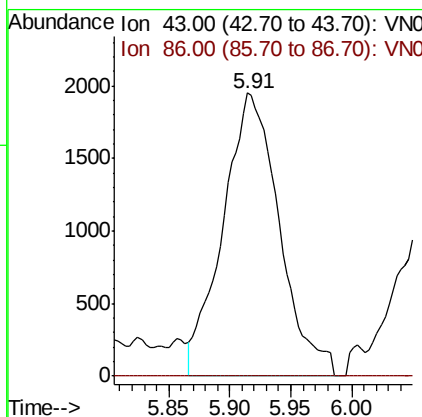
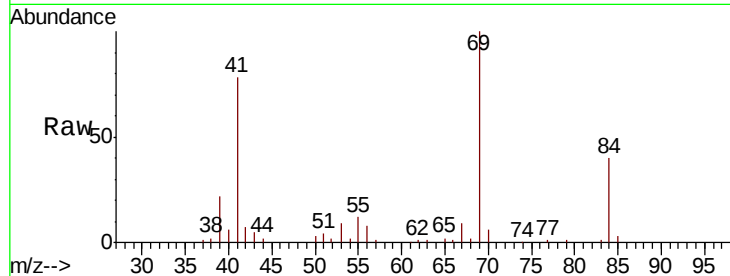




#23
 Vinyl Acetate
 Concen: 0.598 ug/l
 RT: 5.91 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

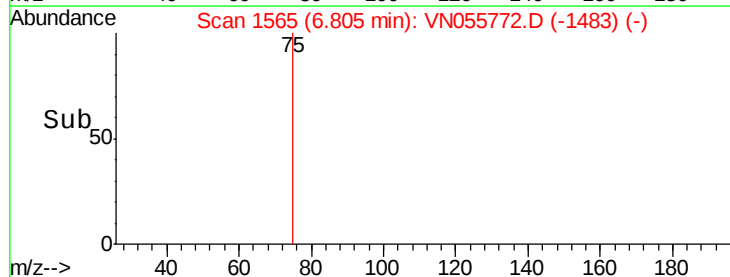
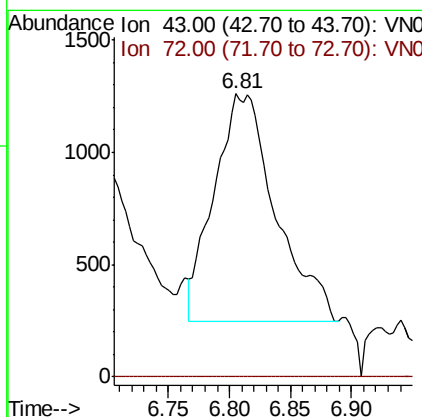
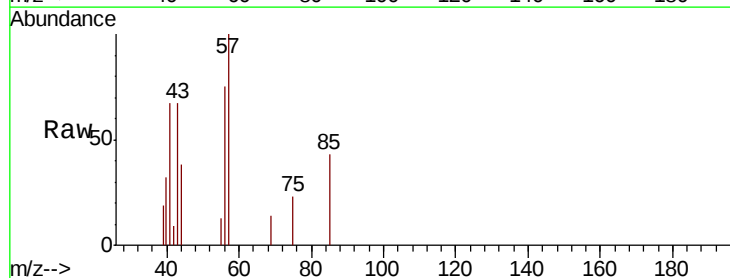
Instrument :
 MSVOA_N
 ClientSampled :
 P-9(4.5-5.0)

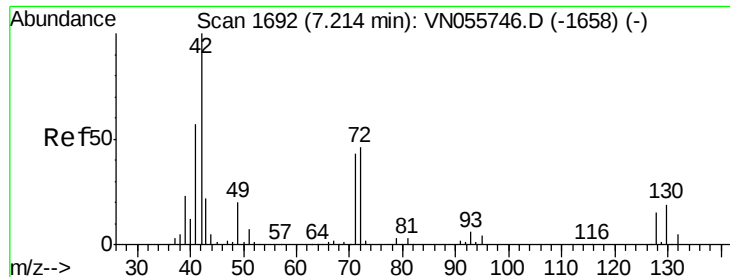
Tot Ion: 43 Resp: 6251
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 1.307 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.04 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Tgt Ion: 43 Resp: 3560
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.9 32.9#





#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

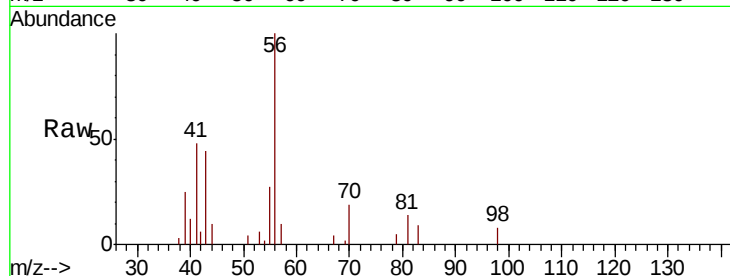
Tot Ion: 42 Resp: 757

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

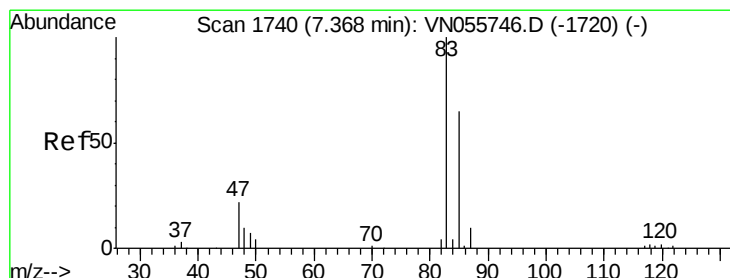
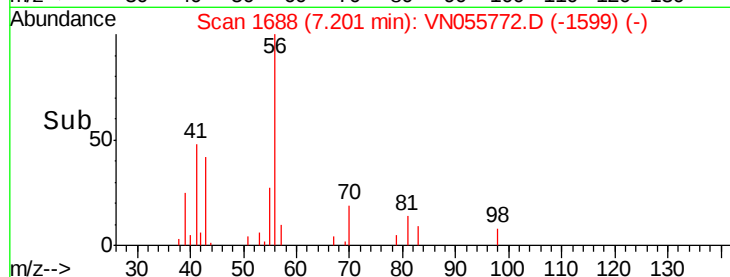
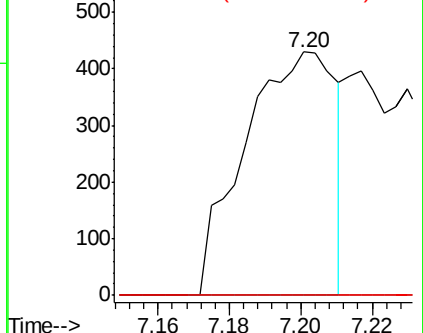
71 0.0 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 6.292 ug/l

RT: 7.32 min Scan# 1725

Delta R.T. -0.05 min

Lab File: VN055772.D

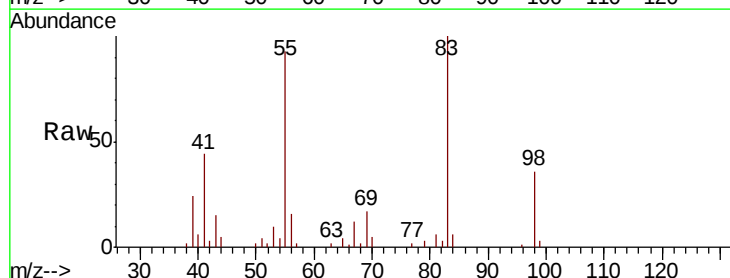
Acq: 23 May 2019 23:02

Tgt Ion: 83 Resp: 44509

Ion Ratio Lower Upper

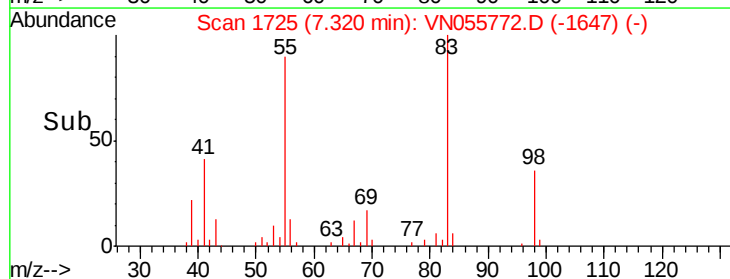
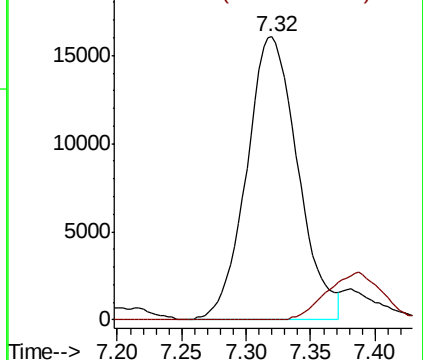
83 100

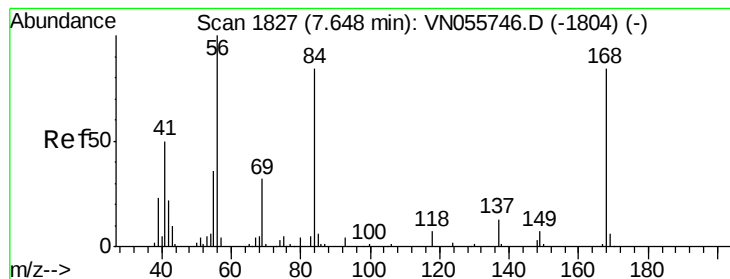
85 0.0 51.8 77.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 26.242 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

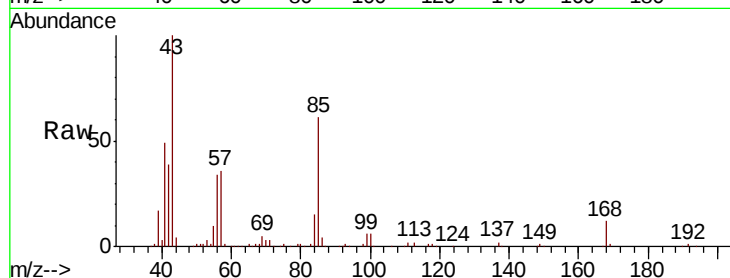
Tot Ion: 56 Resp: 174750

Ion Ratio Lower Upper

56 100

69 8.7 25.6 38.4#

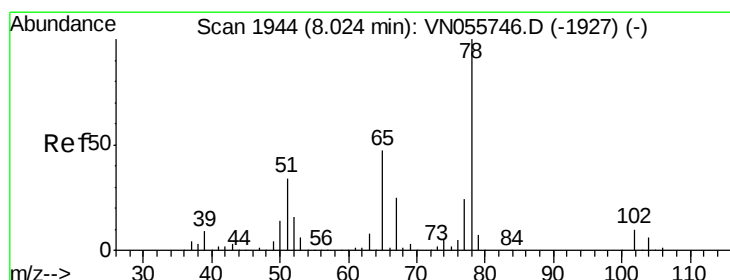
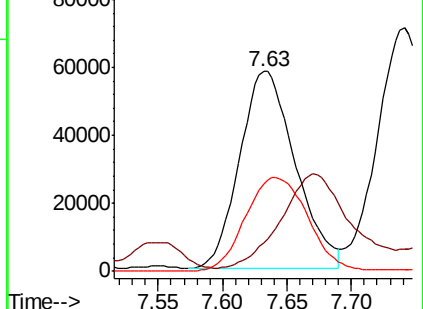
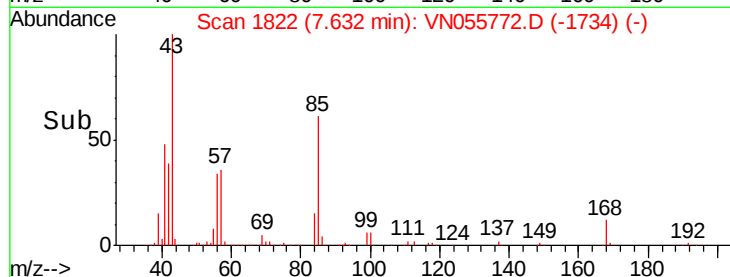
84 43.9 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 42.227 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055772.D

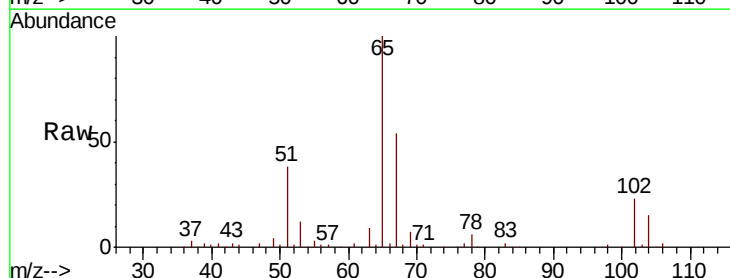
Acq: 23 May 2019 23:02

Tgt Ion: 65 Resp: 187342

Ion Ratio Lower Upper

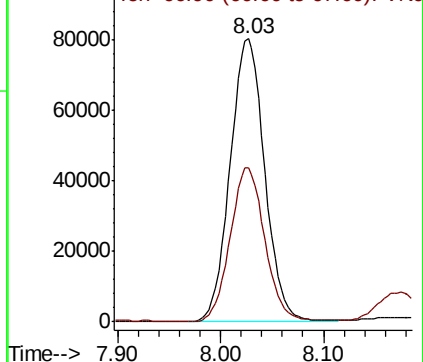
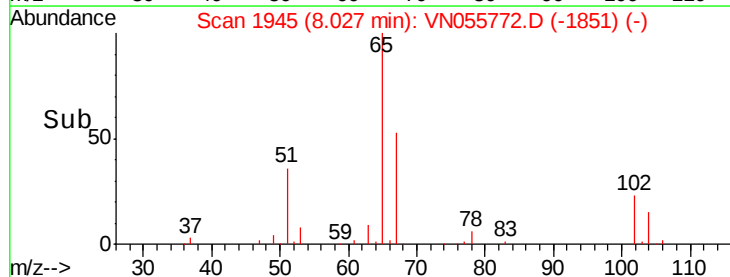
65 100

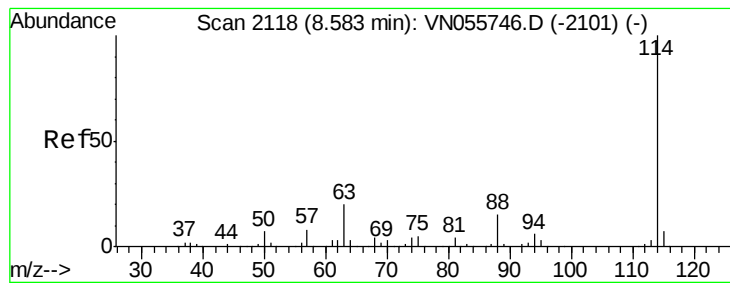
67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

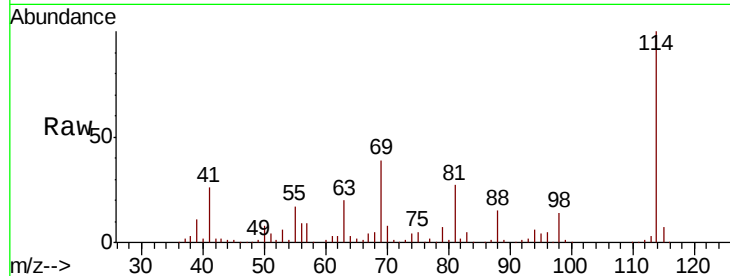
Tot Ion:114 Resp: 584337

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

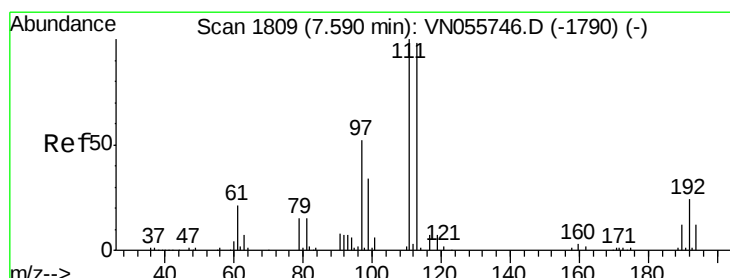
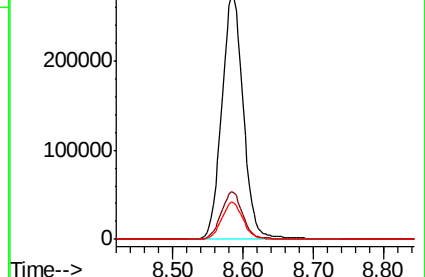
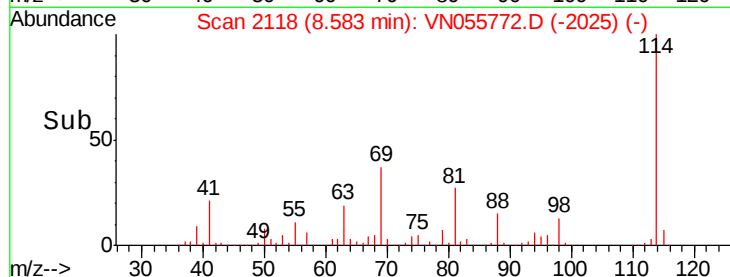
88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.178 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

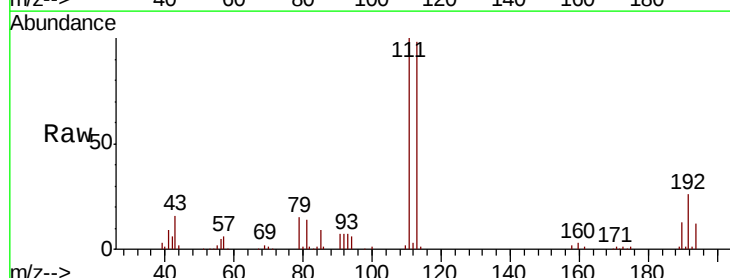
Tgt Ion:113 Resp: 174292

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

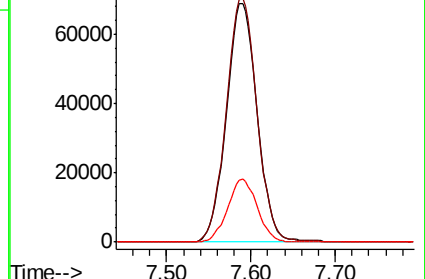
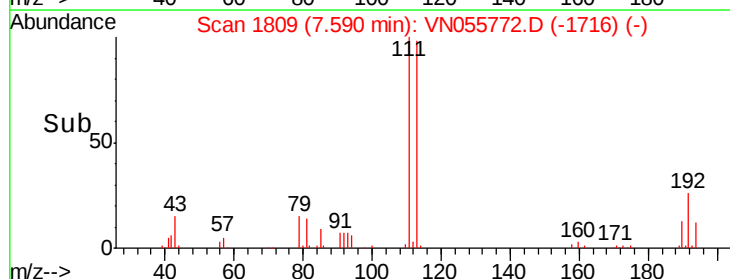
192 25.4 19.5 29.3

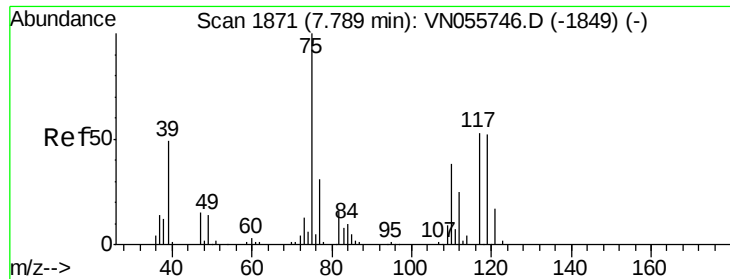


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

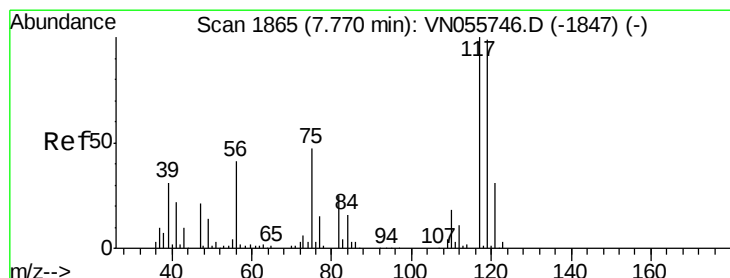
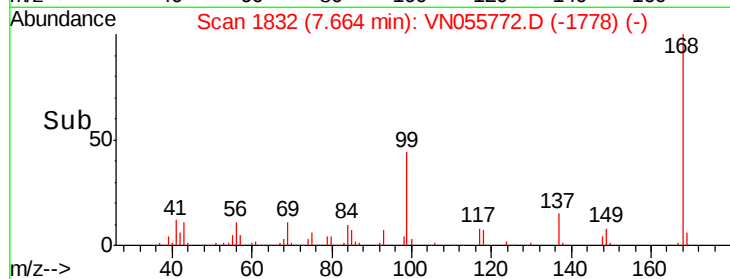
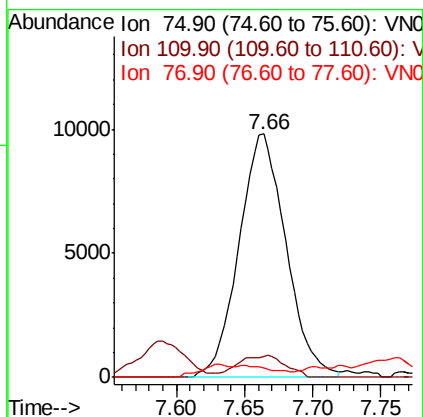
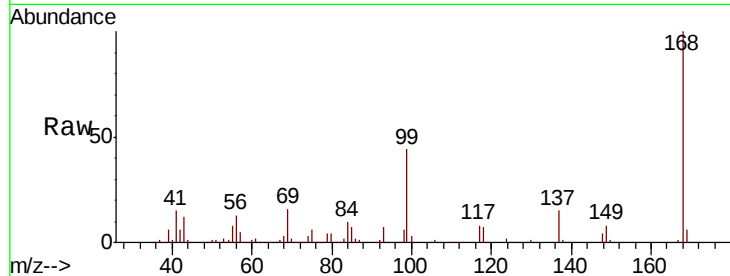




#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

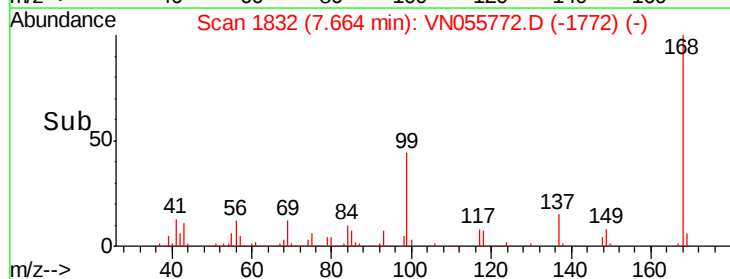
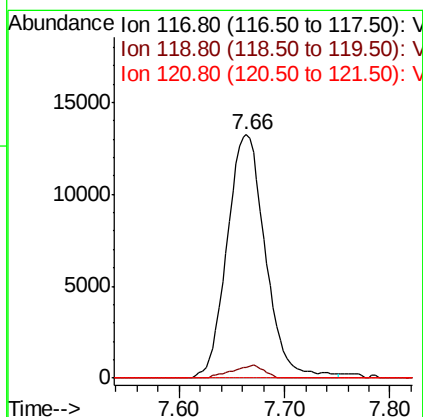
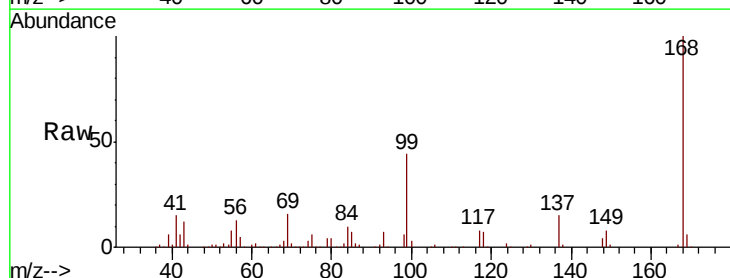
Instrument :
 MSVOA_N
 ClientSampled :
 P-9(4.5-5.0)

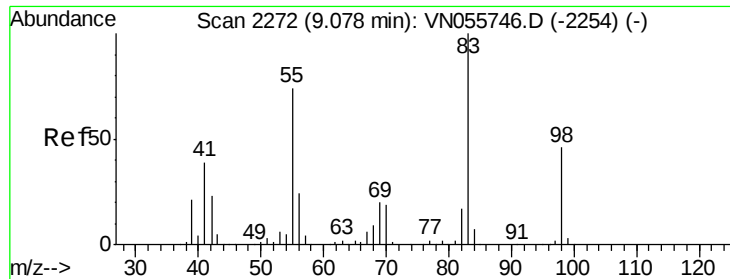
Tot Ion	75	Resp	23506
Ion Ratio	Lower	Upper	
75	100		
110	9.1	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.276 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Tgt Ion	117	Resp	33288
Ion Ratio	Lower	Upper	
117	100		
119	4.5	79.0	118.6#
121	0.0	24.7	37.1#

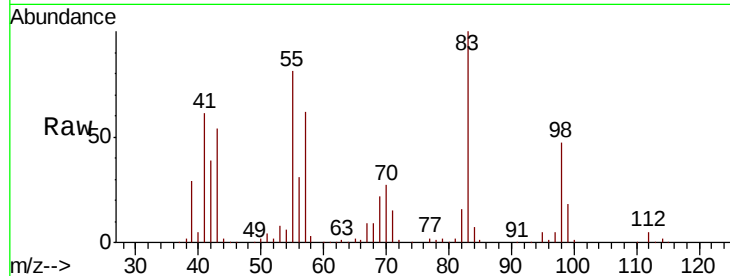




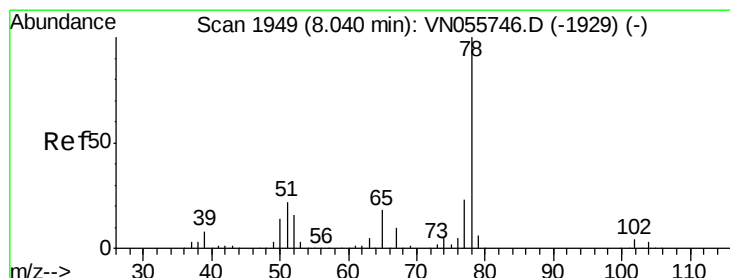
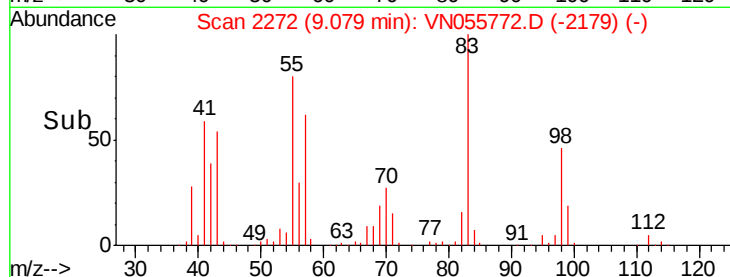
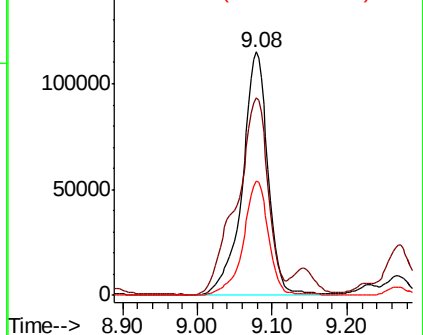
#39
Methvlcvclohexane
Concen: 43.474 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

Tot Ion: 83 Resp: 274138
Ion Ratio Lower Upper
83 100
55 80.8 59.3 88.9
98 46.9 36.6 54.8

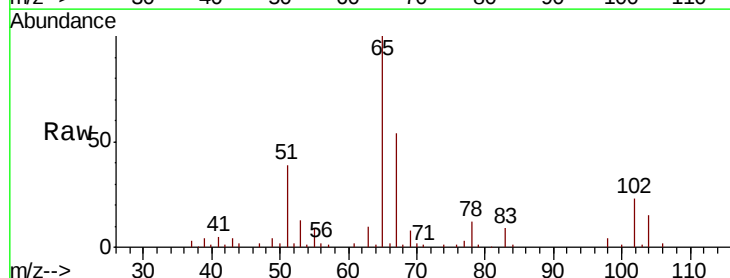


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

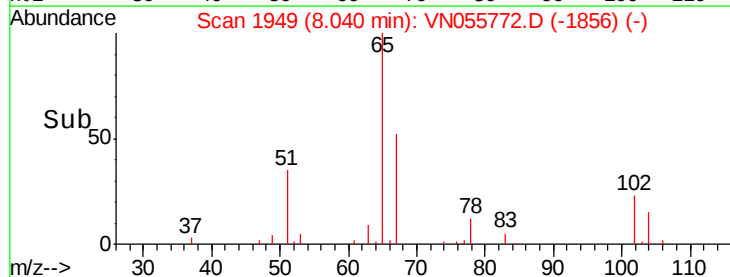
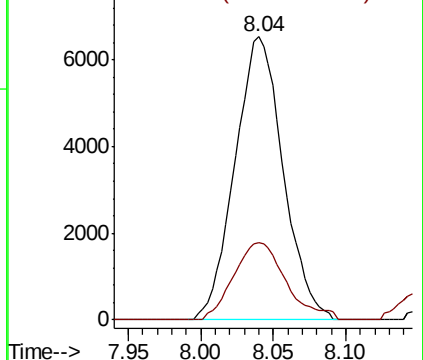


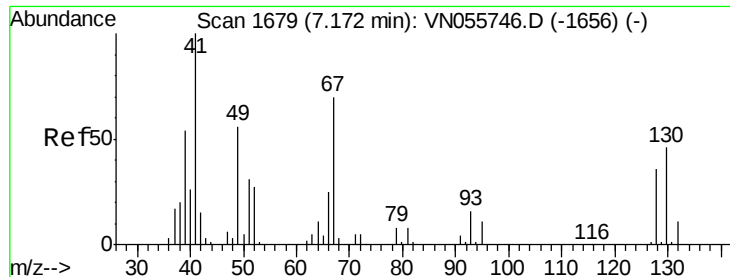
#40
Benzene
Concen: 0.985 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 78 Resp: 15122
Ion Ratio Lower Upper
78 100
77 27.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

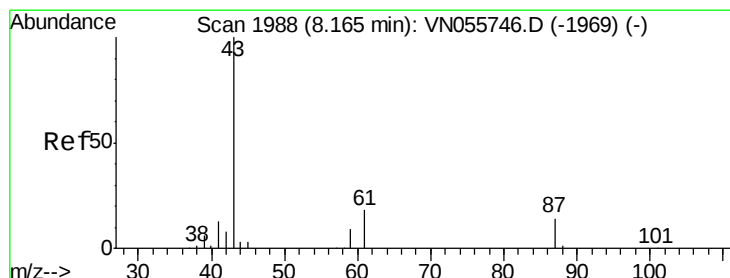
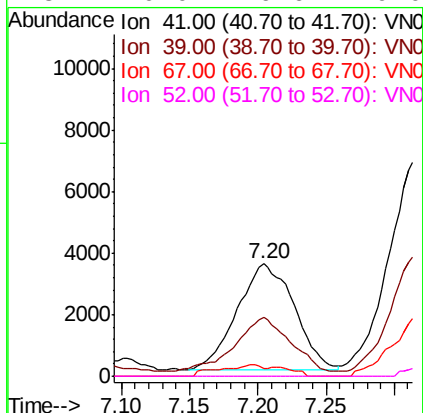
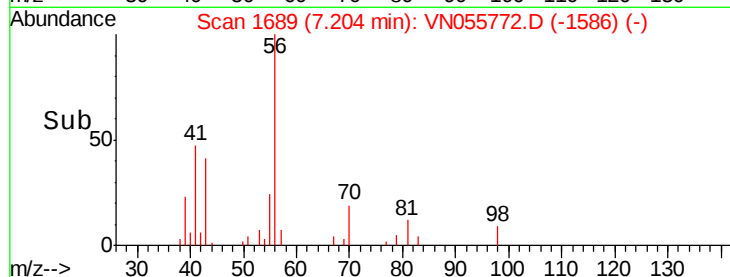
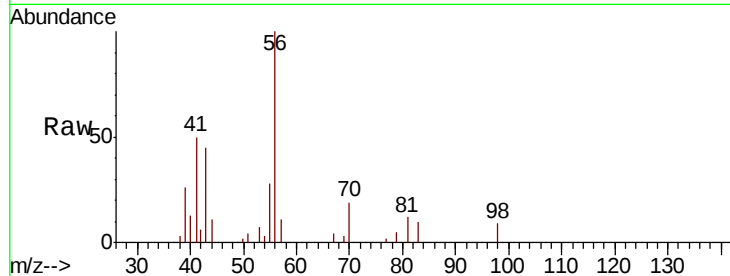




#41
Methacrylonitrile
Concen: 4.078 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

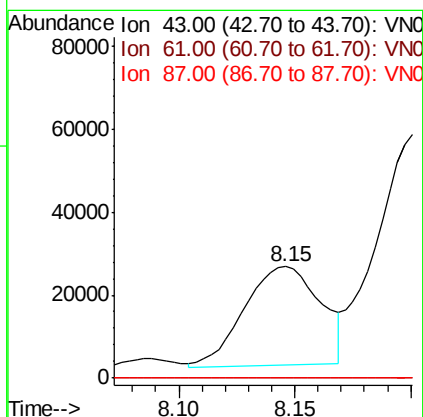
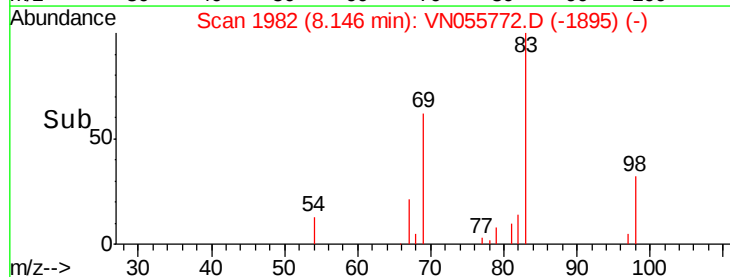
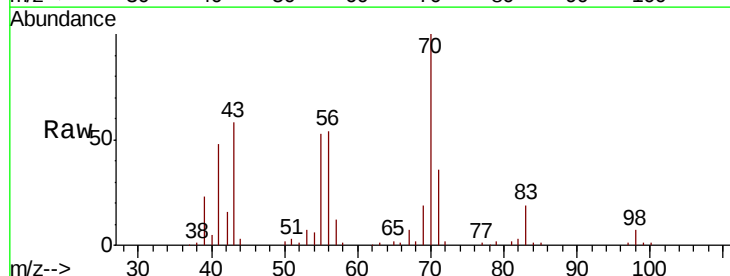
Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

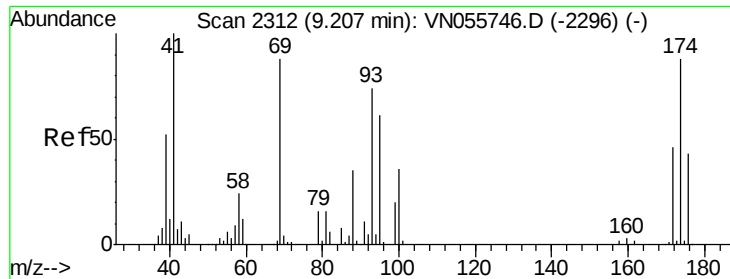
Tot Ion: 41 Resp: 10140
Ion Ratio Lower Upper
41 100
39 49.5 45.6 68.4
67 0.0 67.7 101.5#
52 0.0 26.6 40.0#



#43
Isopropyl Acetate
Concen: 6.602 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.02 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 43 Resp: 54591
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#46

Dibromomethane

Concen: 0.524 ug/l

RT: 9.16 min Scan# 2296

Delta R.T. -0.05 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

P-9(4.5-5.0)

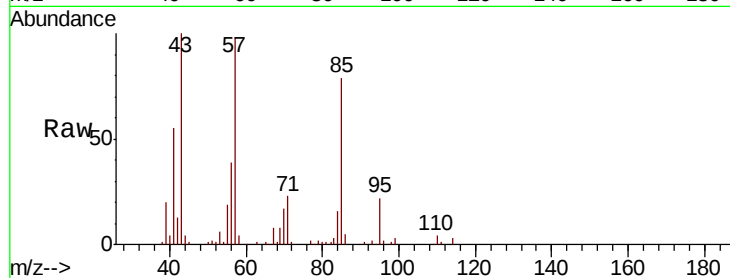
Tot Ion: 93 Resp: 1373

Ion Ratio Lower Upper

93 100

95 1265.7 66.7 100.1#

174 0.0 96.4 144.6#

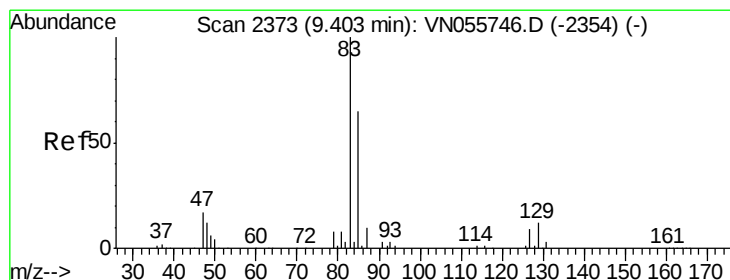
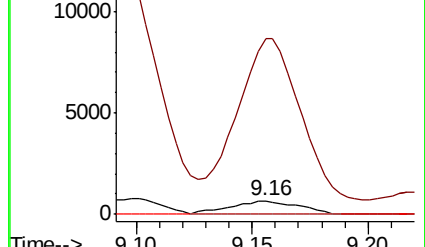
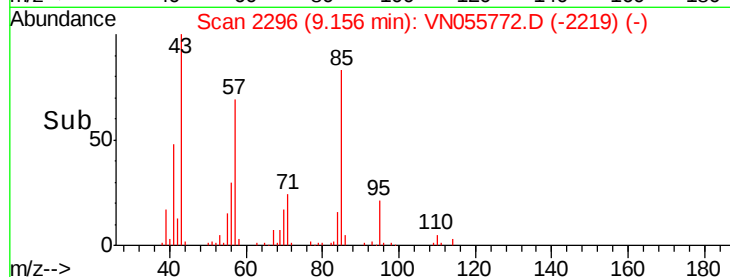


Abundance Ion 92.80 (92.50 to 93.50): VN055772.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055772.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055772.D (-2296) (-)

Time-->



#47

Bromodichloromethane

Concen: 13.028 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

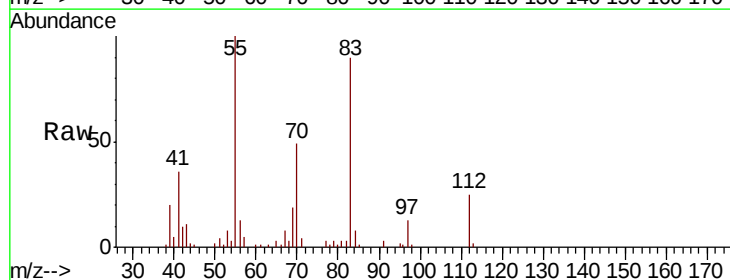
Tgt Ion: 83 Resp: 70054

Ion Ratio Lower Upper

83 100

85 1.6 52.2 78.2#

127 0.0 7.4 11.0#

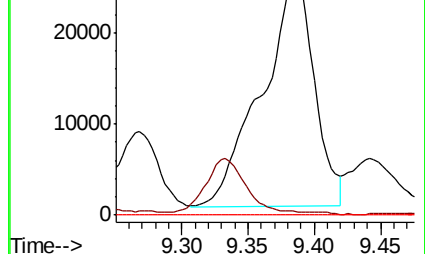
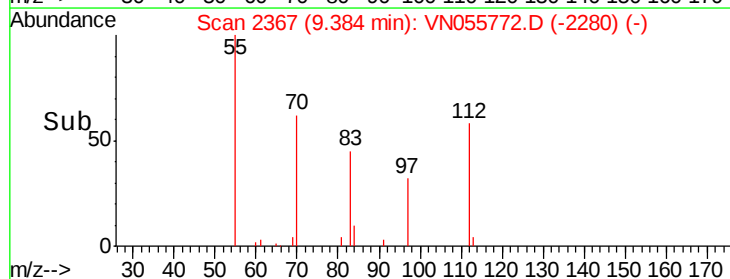


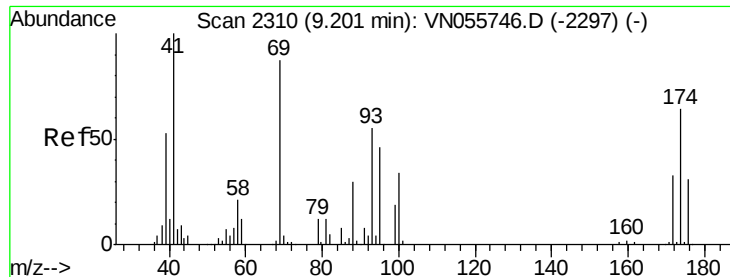
Abundance Ion 82.90 (82.60 to 83.60): VN055772.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055772.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055772.D (-2280) (-)

Time-->

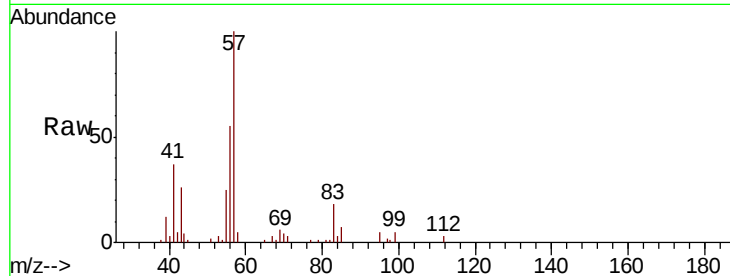




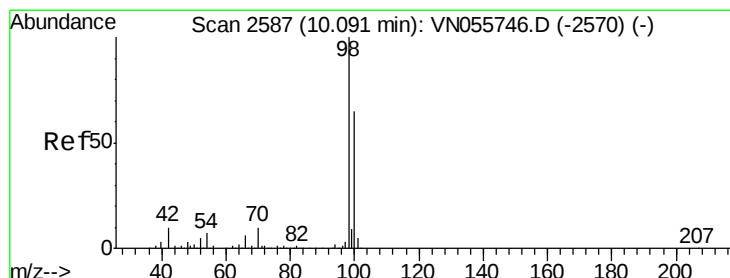
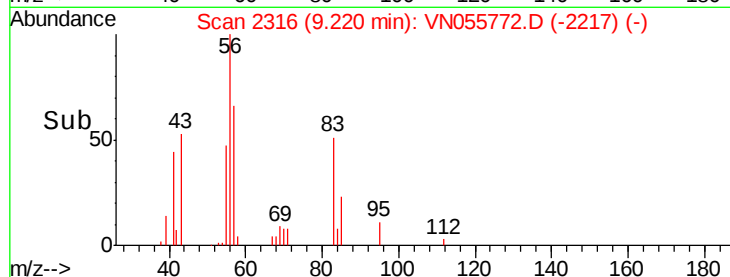
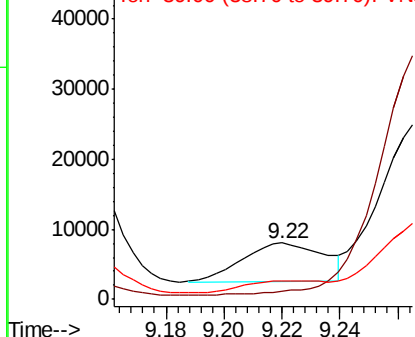
#48
Methyl methacrylate
Concen: 2.841 ug/l
RT: 9.22 min Scan# 2316
Delta R.T. 0.02 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

Tot Ion: 41 Resp: 10829
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 27.7 44.2 66.2#

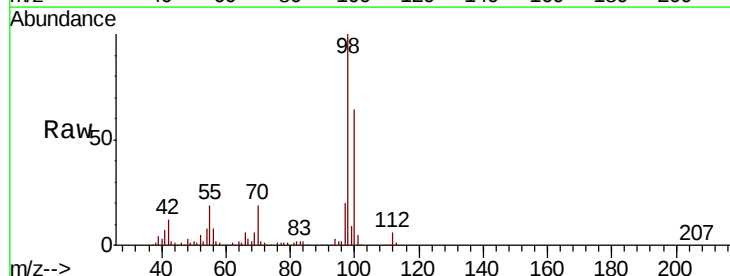


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

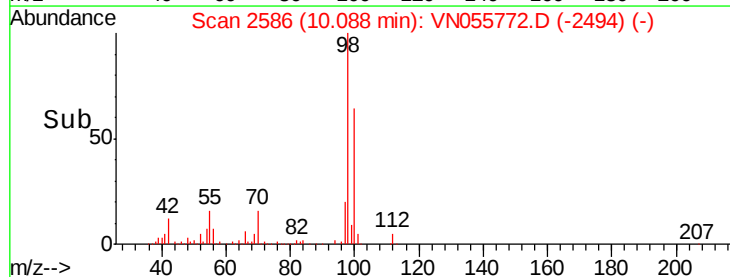
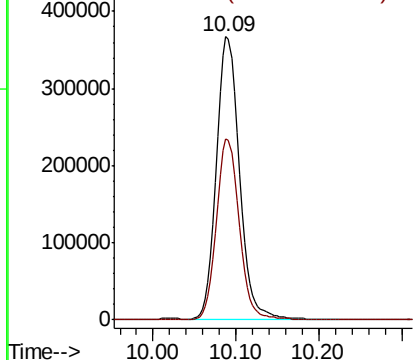


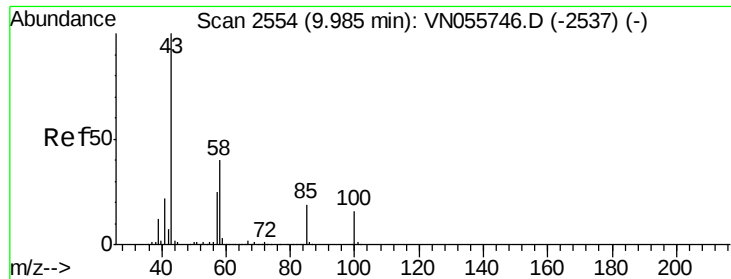
#50
Toluene-d8
Concen: 49.730 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 98 Resp: 704744
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 8.221 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

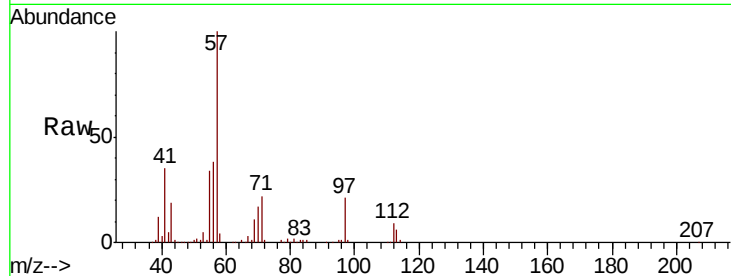
P-9(4.5-5.0)

Tot Ion: 43 Resp: 40152

Ion Ratio Lower Upper

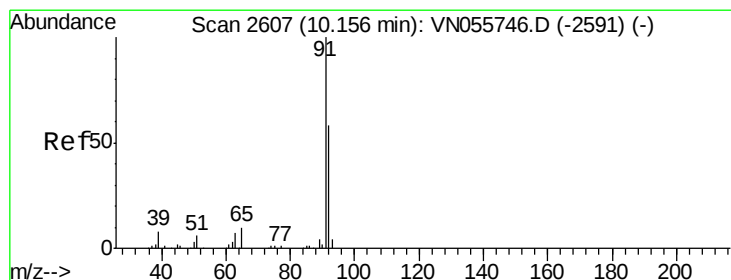
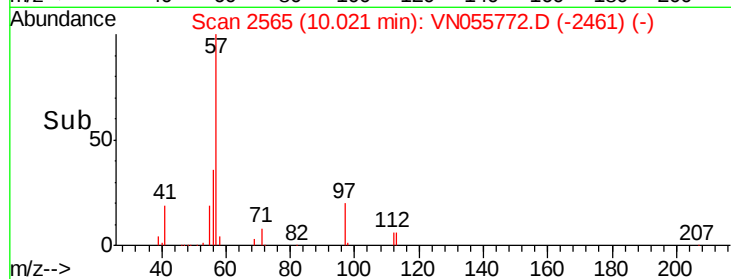
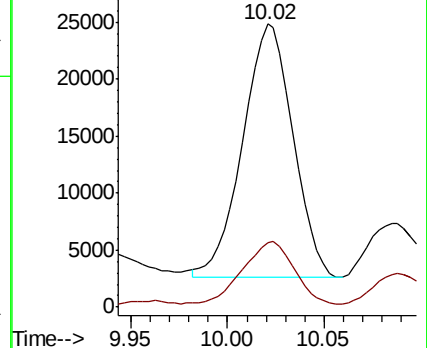
43 100

58 26.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.920 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055772.D

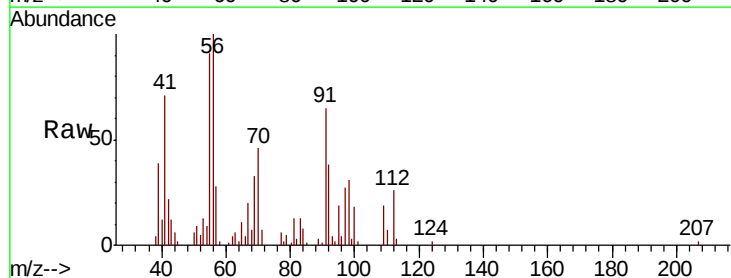
Acq: 23 May 2019 23:02

Tgt Ion: 92 Resp: 8879

Ion Ratio Lower Upper

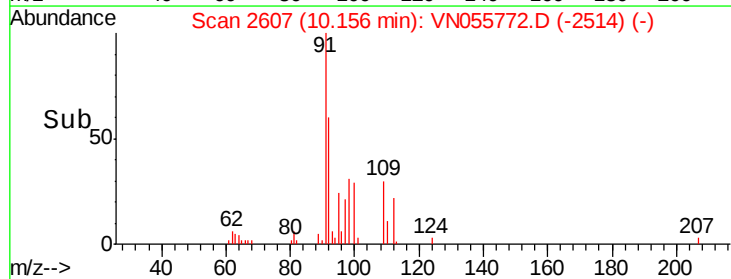
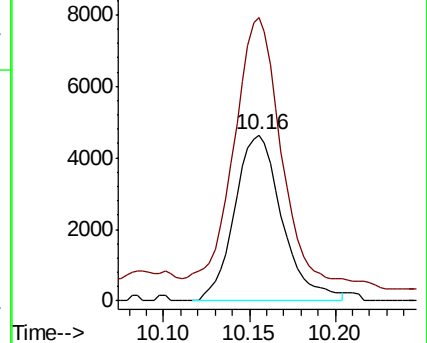
92 100

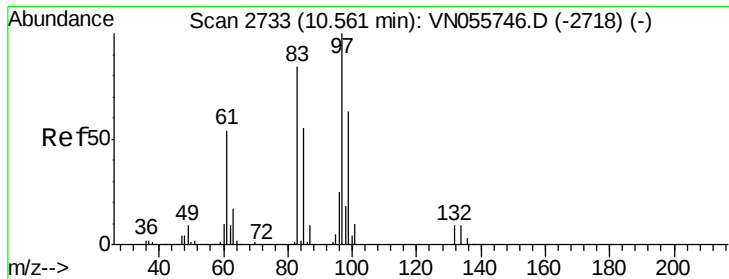
91 168.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#55

1,1,2-Trichloroethane

Concen: 31.550 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

P-9(4.5-5.0)

Tot Ion: 97 Resp: 121998

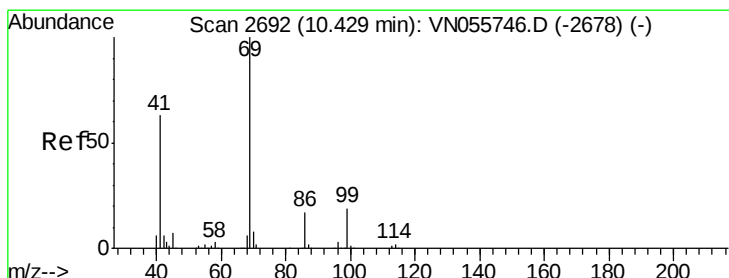
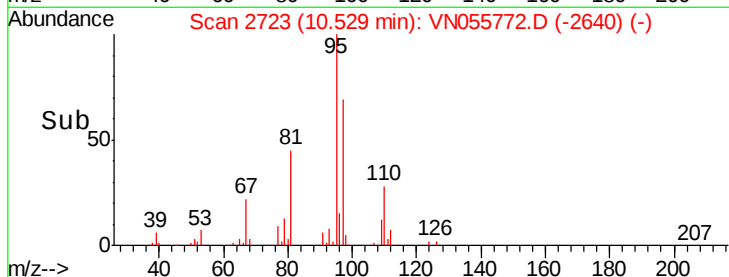
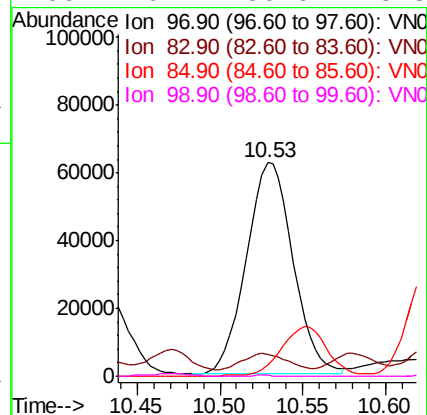
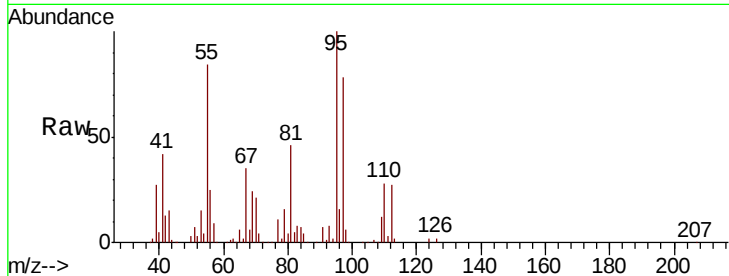
Ion Ratio Lower Upper

97 100

83 3.6 67.0 100.6#

85 5.2 44.0 66.0#

99 0.4 50.6 75.8#



#56

Ethyl methacrylate

Concen: 4.008 ug/l

RT: 10.47 min Scan# 2705

Delta R.T. 0.04 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

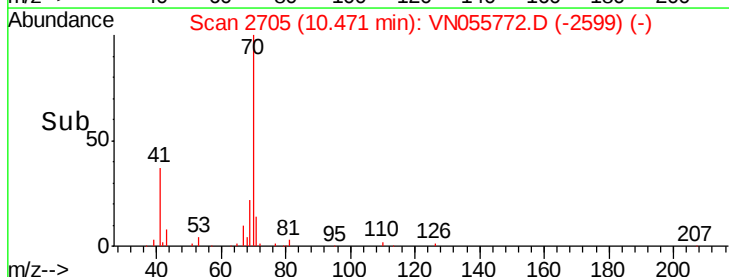
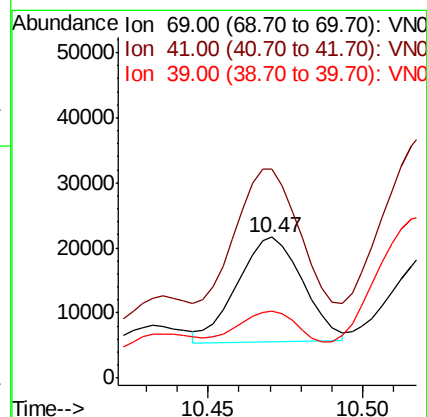
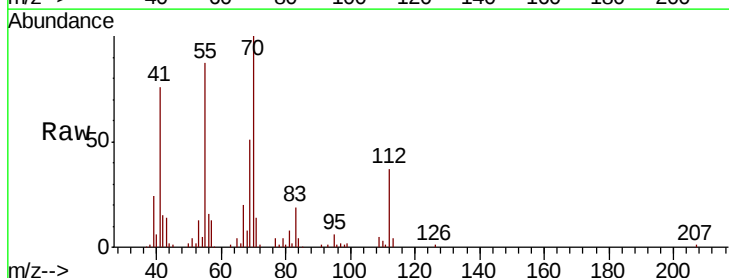
Tgt Ion: 69 Resp: 23949

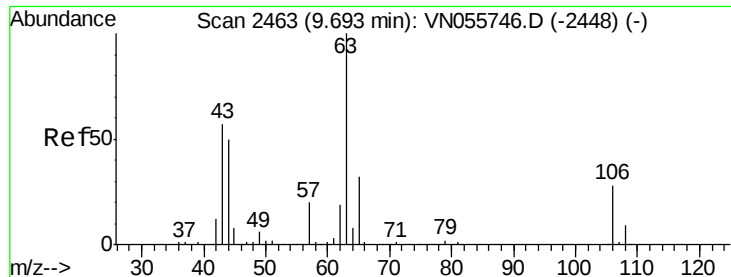
Ion Ratio Lower Upper

69 100

41 195.4 49.7 74.5#

39 51.1 24.7 37.1#





#58

2-Chloroethyl Vinyl ether

Concen: 0.740 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.03 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

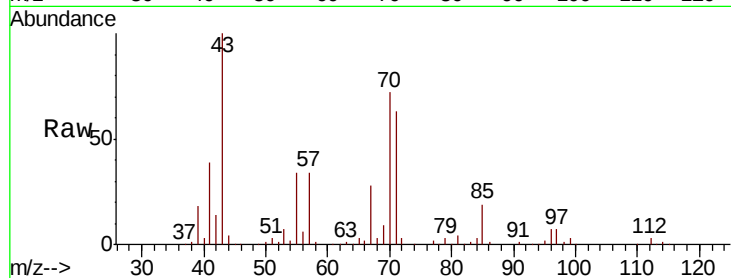
P-9(4.5-5.0)

Tot Ion: 63 Resp: 1690

Ion Ratio Lower Upper

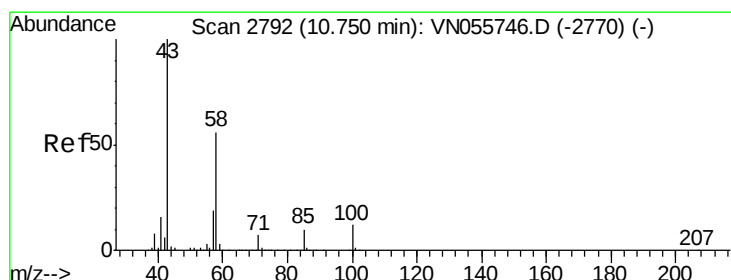
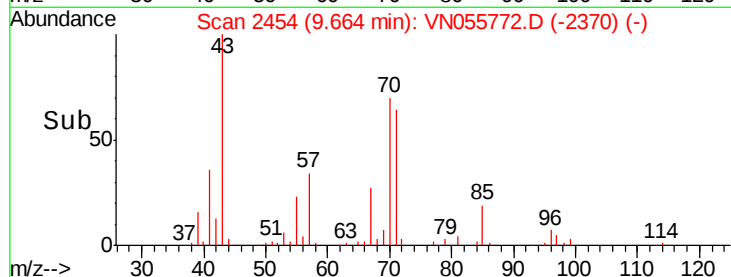
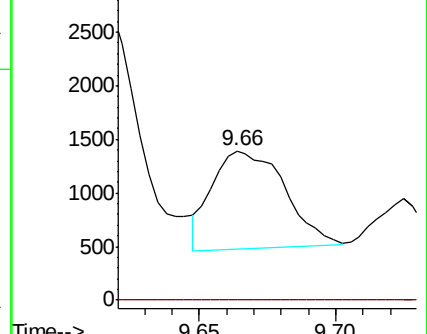
63 100

106 0.0 22.7 34.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 30.223 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN055772.D

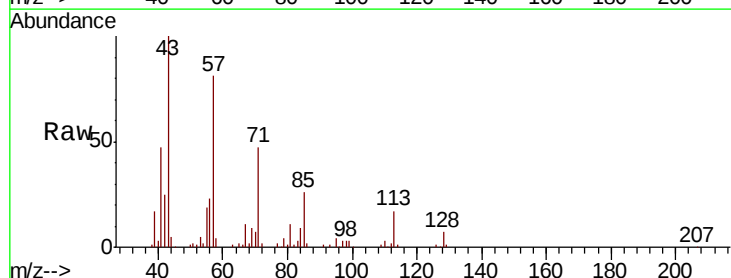
Acq: 23 May 2019 23:02

Tgt Ion: 43 Resp: 104712

Ion Ratio Lower Upper

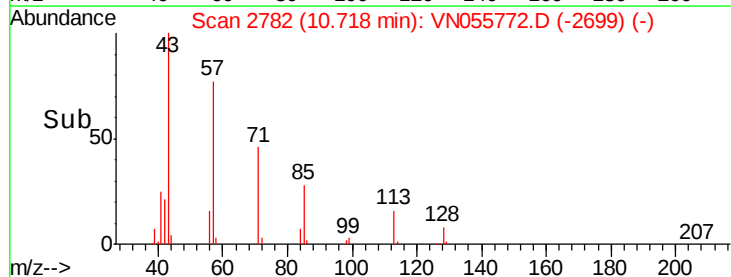
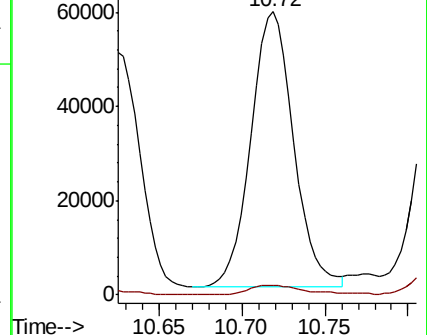
43 100

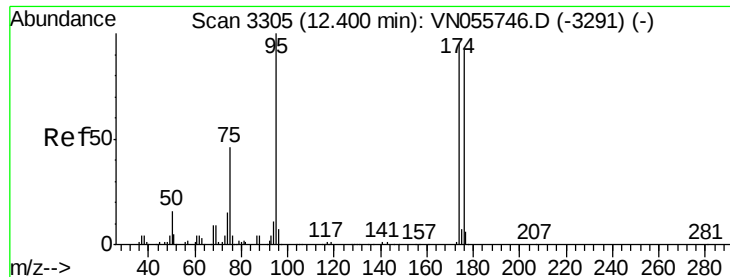
58 5.0 28.2 84.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 53.994 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

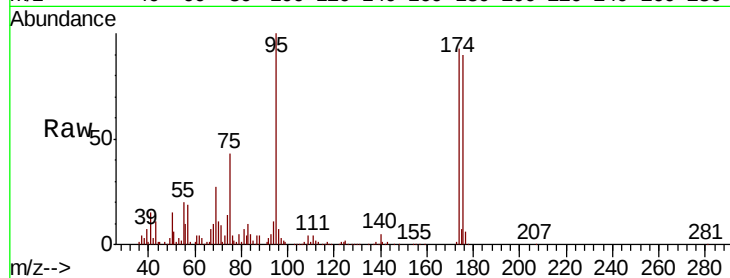
Tot Ion: 95 Resp: 262364

Ion Ratio Lower Upper

95 100

174 93.6 0.0 191.0

176 91.1 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

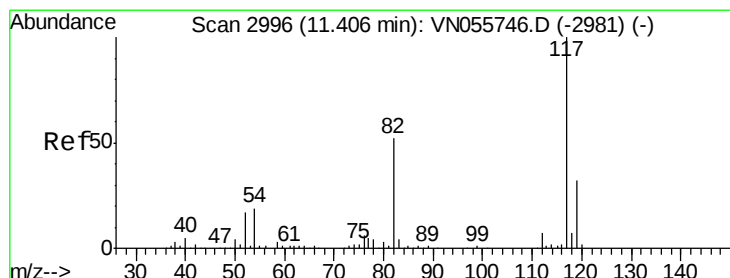
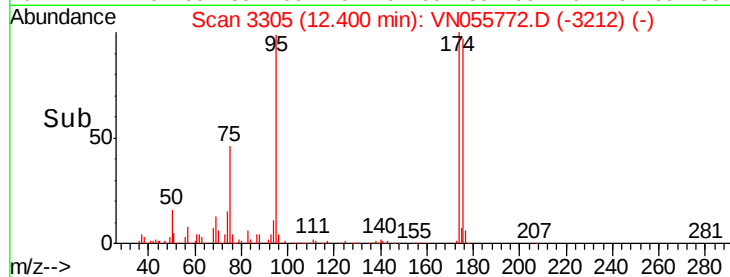
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

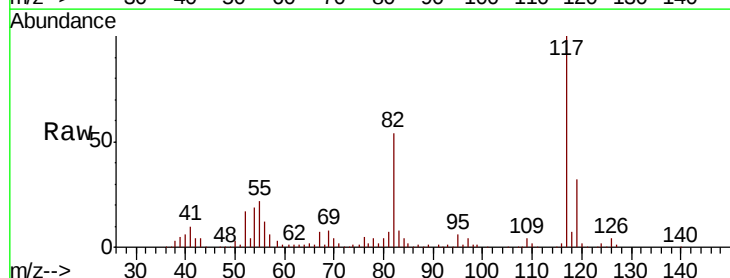
Tgt Ion: 117 Resp: 533135

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

119 32.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

400000

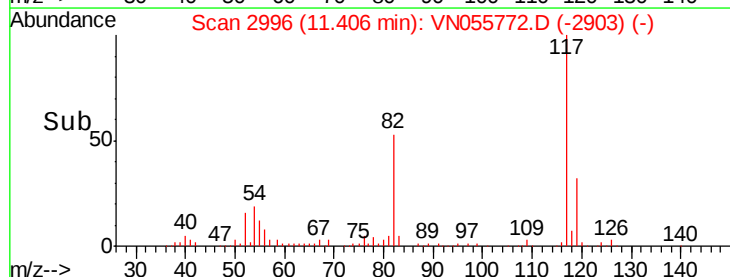
300000

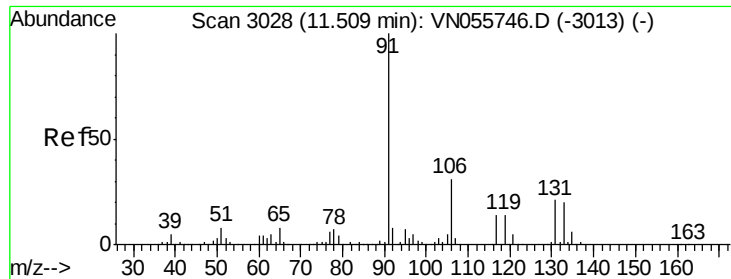
200000

100000

0

Time-->

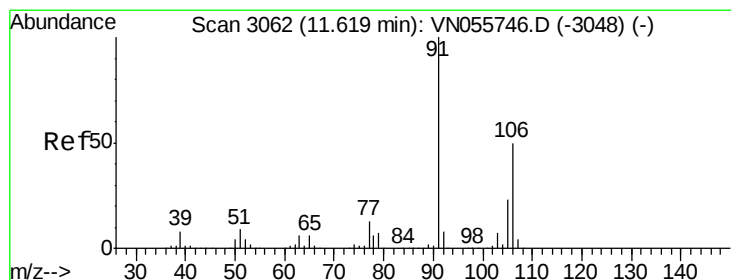
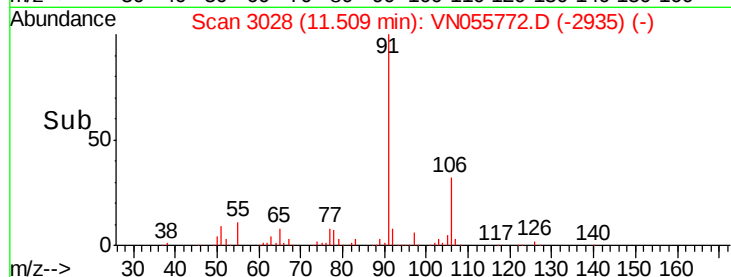
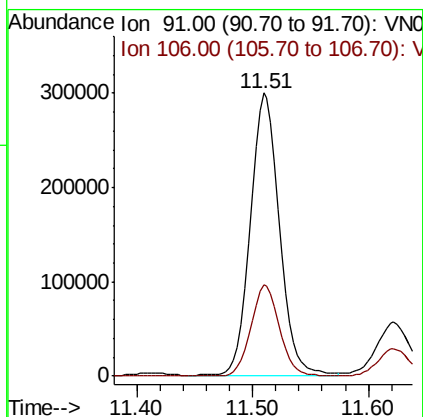
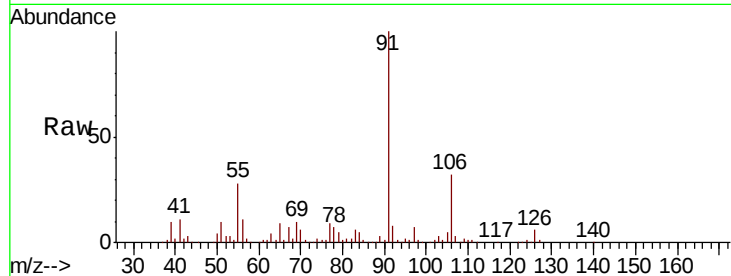




#67
Ethyl Benzene
Concen: 27.355 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

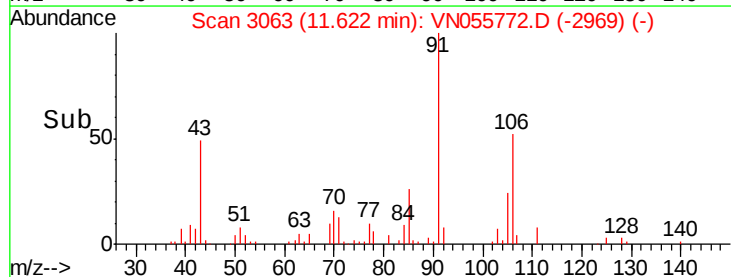
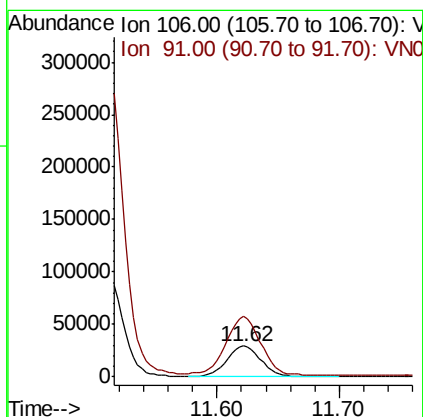
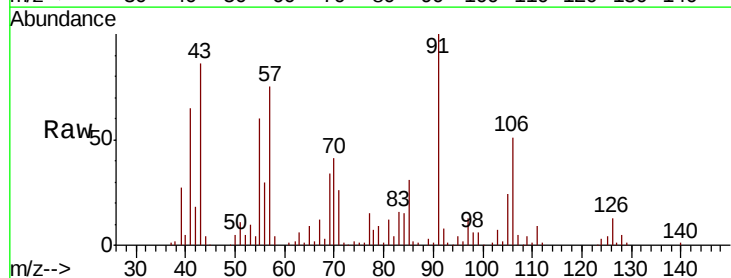
Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

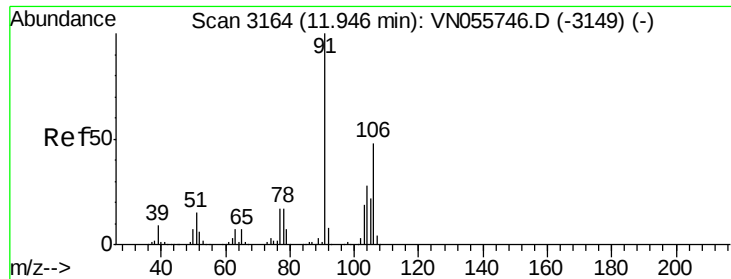
Tot Ion: 91 Resp: 523551
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7



#68
m/p-Xylenes
Concen: 7.986 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 106 Resp: 57787
Ion Ratio Lower Upper
106 100
91 194.9 159.3 238.9

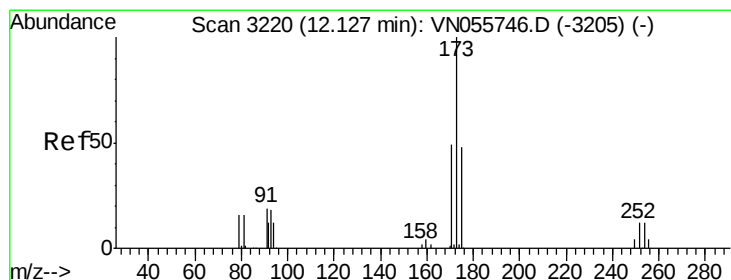
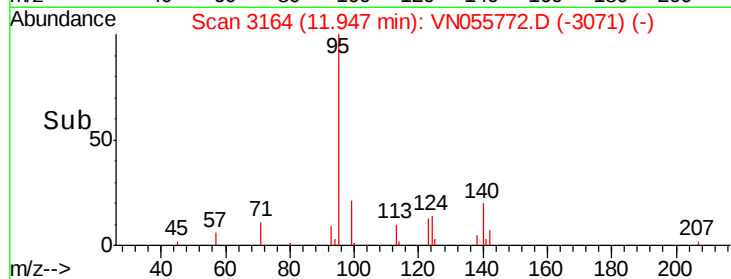
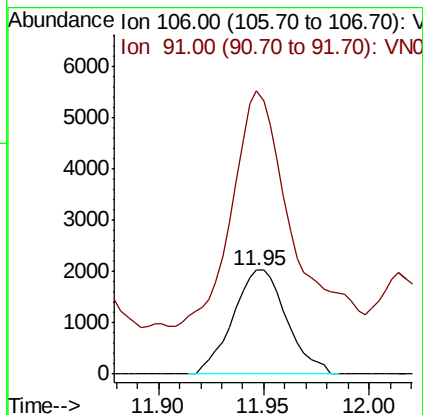
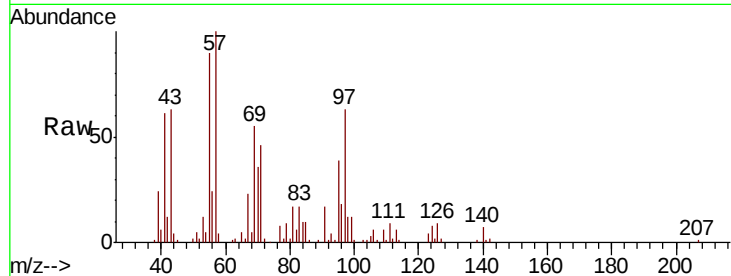




#69
o-Xylene
Concen: 0.499 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

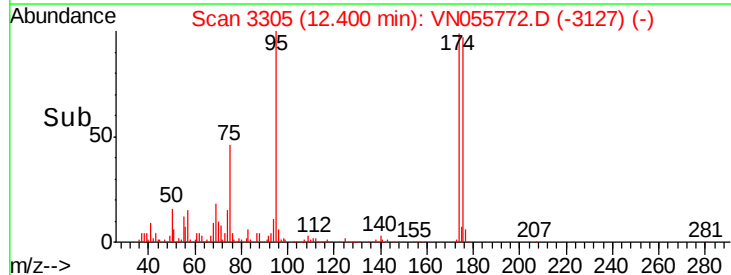
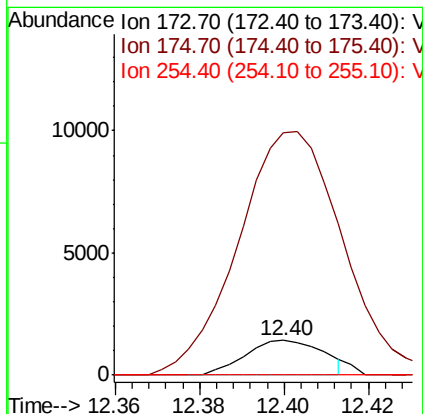
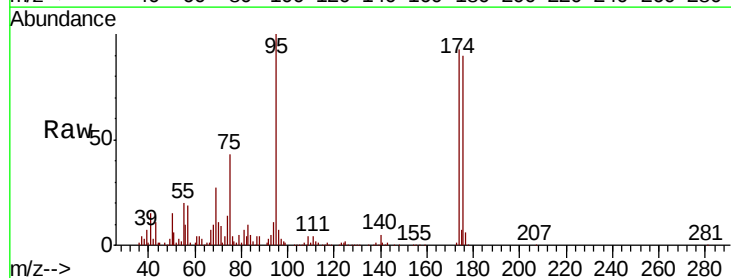
Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

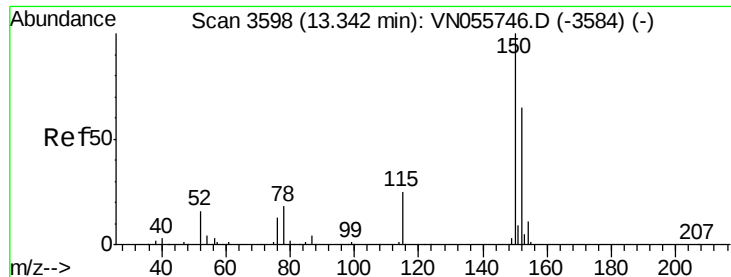
Tot Ion:106 Resp: 3582
Ion Ratio Lower Upper
106 100
91 242.9 104.7 314.1



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion:173 Resp: 1821
Ion Ratio Lower Upper
173 100
175 820.5 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

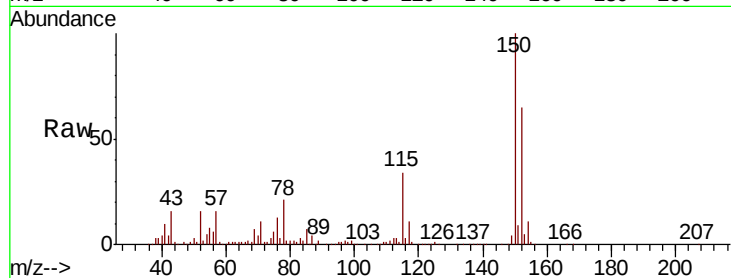
Tot Ion:152 Resp: 257206

Ion Ratio Lower Upper

152 100

115 52.2 27.0 81.0

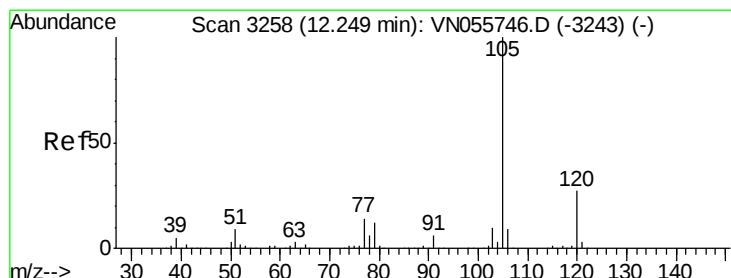
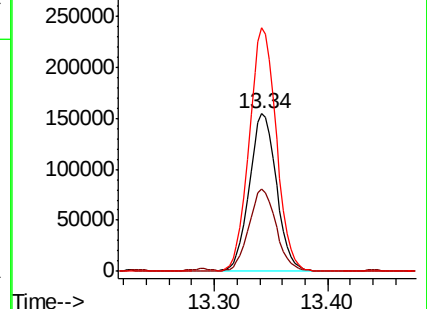
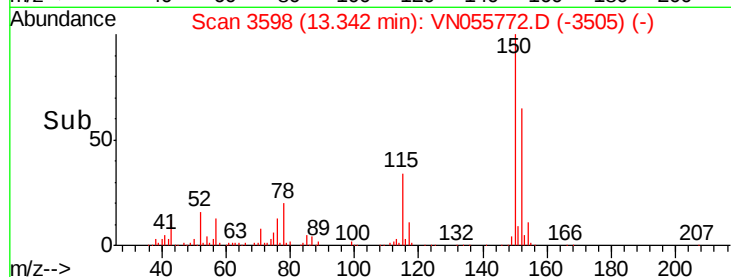
150 154.0 0.0 343.2



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: 36.503 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055772.D

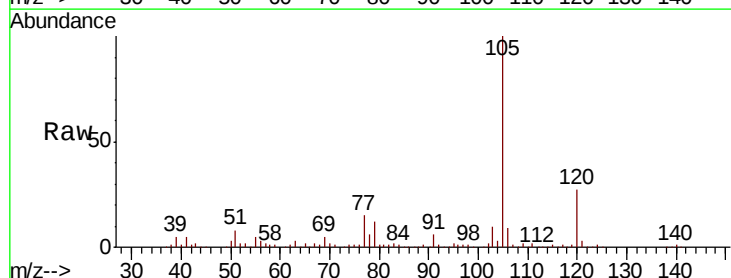
Acq: 23 May 2019 23:02

Tgt Ion:105 Resp: 681040

Ion Ratio Lower Upper

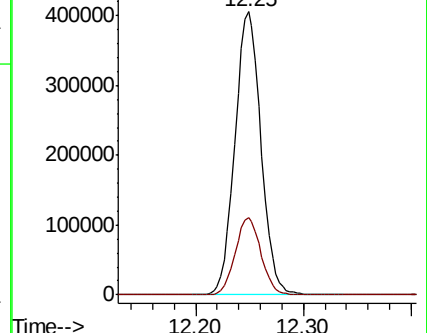
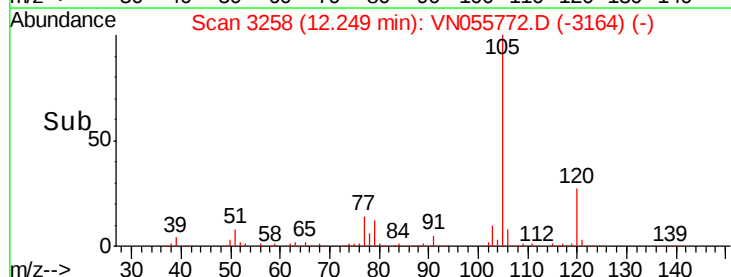
105 100

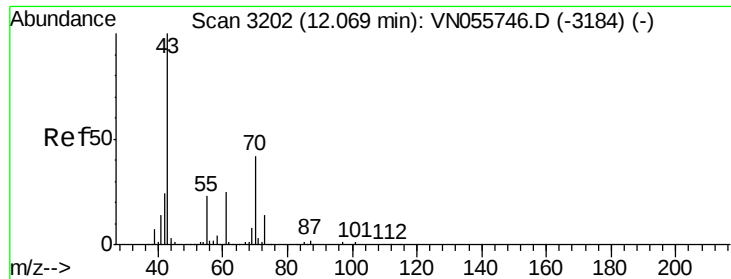
120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 7.867 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

Tot Ion: 43 Resp: 68163

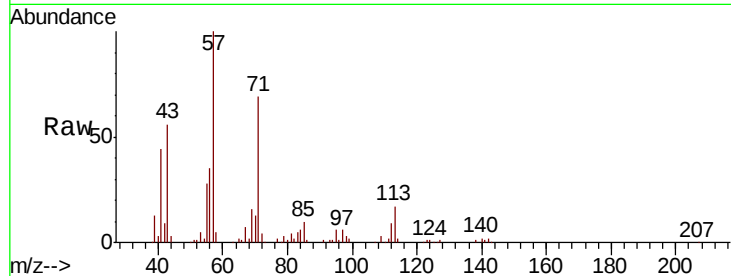
Ion Ratio Lower Upper

43 100

70 12.2 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

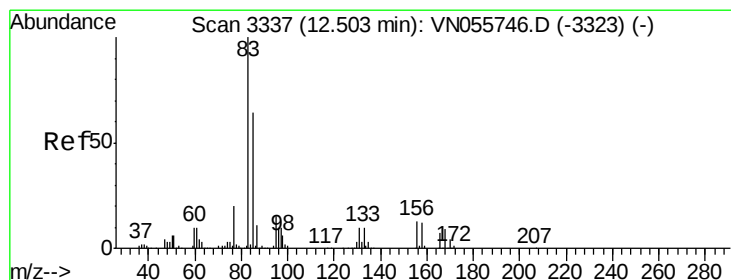
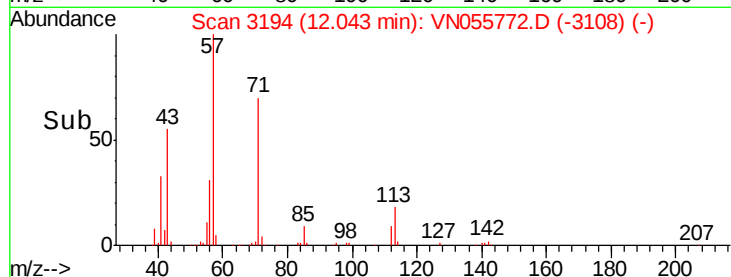
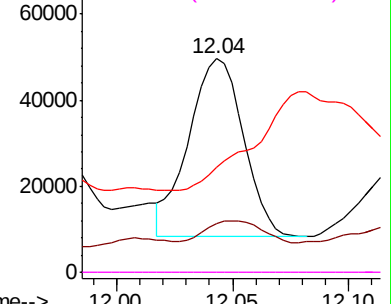


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3334

Delta R.T. -0.01 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

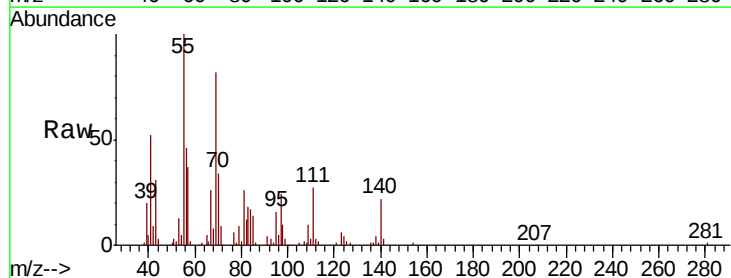
Tgt Ion: 83 Resp: 5544

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

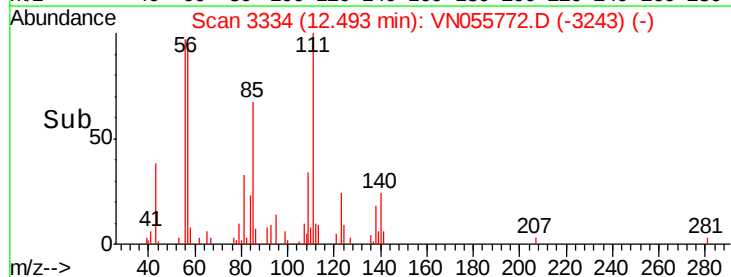
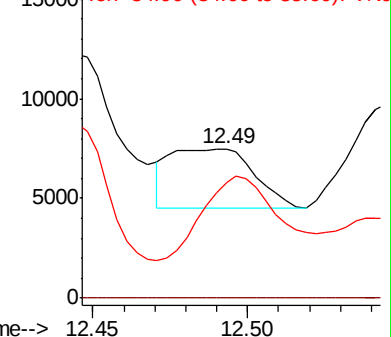
85 130.8 32.4 97.0#

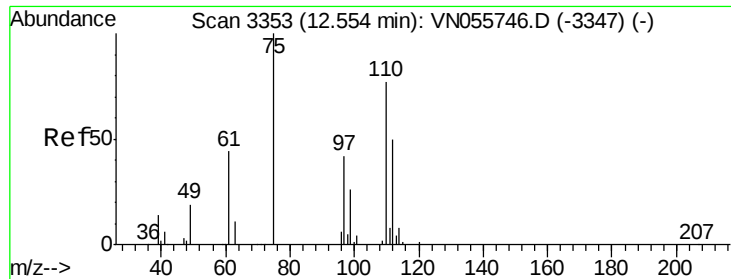


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

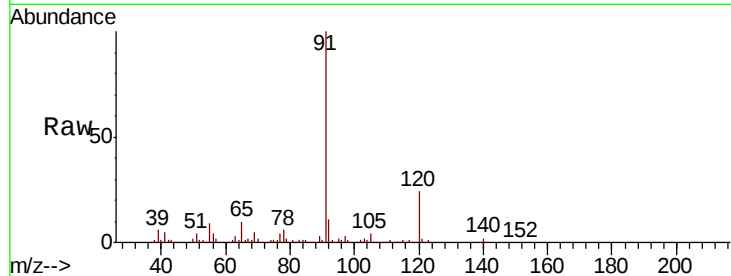
P-9(4.5-5.0)

Tot Ion: 75 Resp: 4375

Ion Ratio Lower Upper

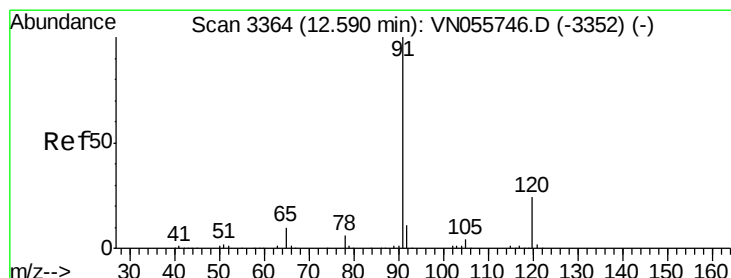
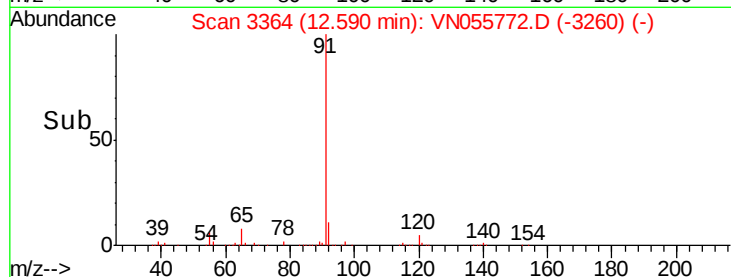
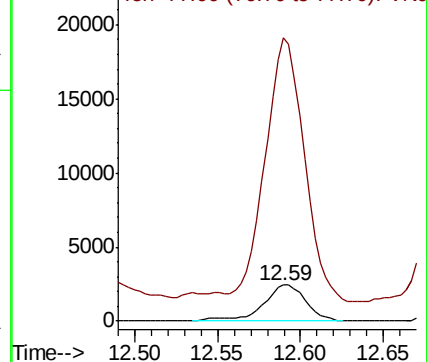
75 100

77 673.2 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: 33.622 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055772.D

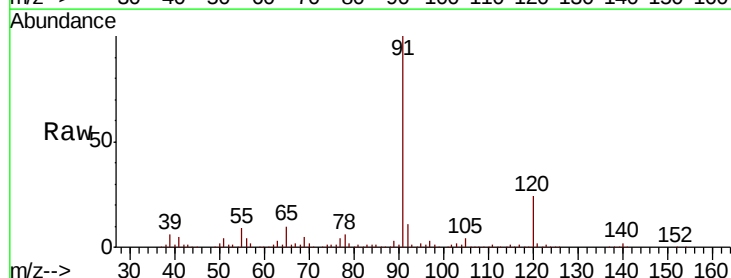
Acq: 23 May 2019 23:02

Tgt Ion: 91 Resp: 751602

Ion Ratio Lower Upper

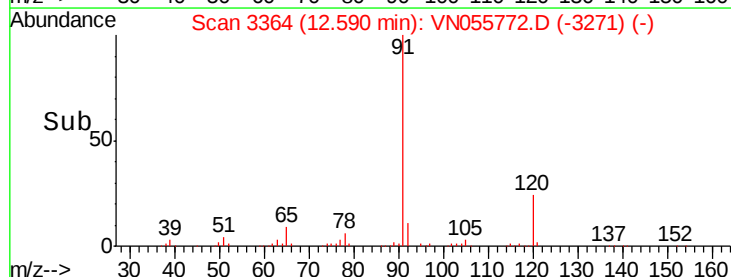
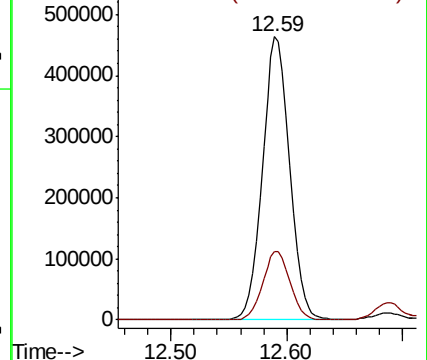
91 100

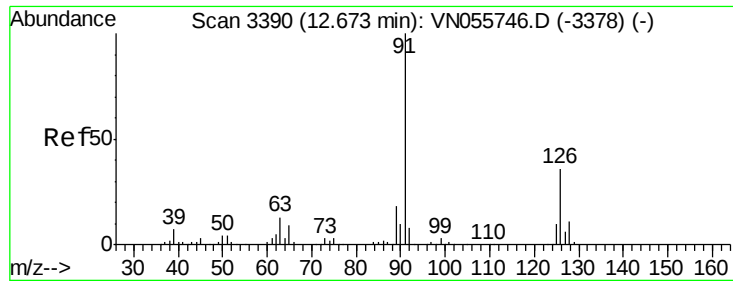
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

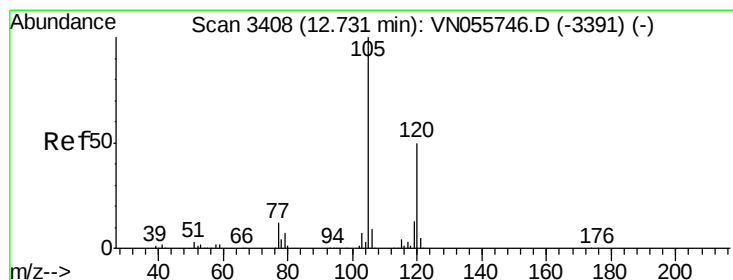
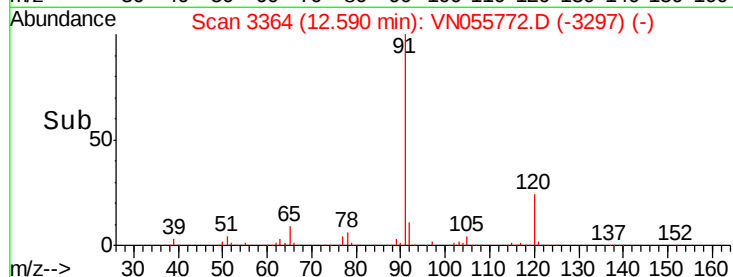
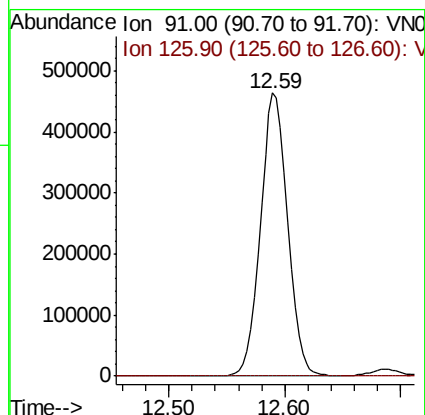
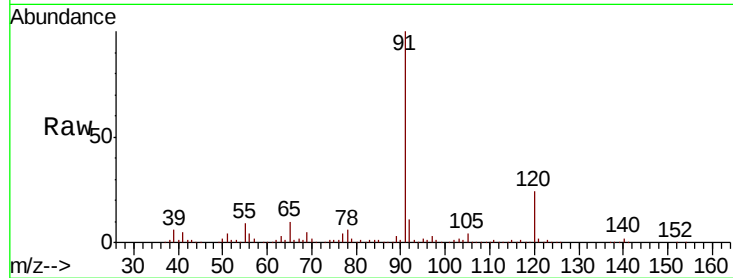




#79
 2-Chlorotoluene
 Concen: 63.086 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

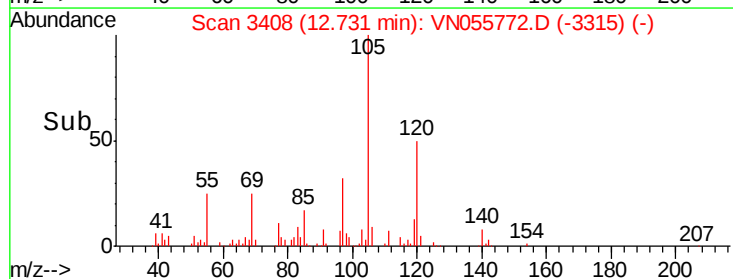
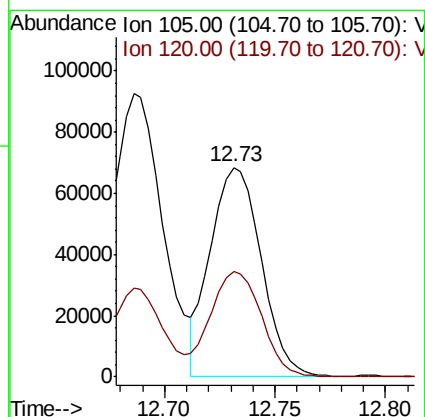
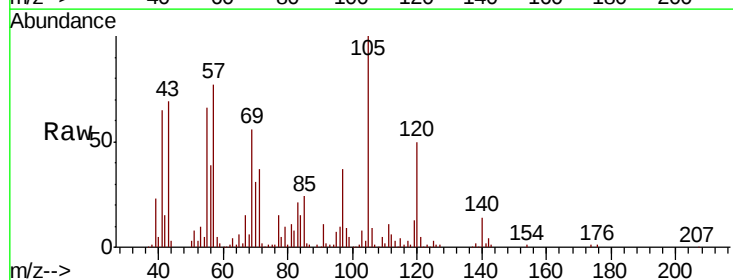
Instrument :
 MSVOA_N
 ClientSampled :
 P-9(4.5-5.0)

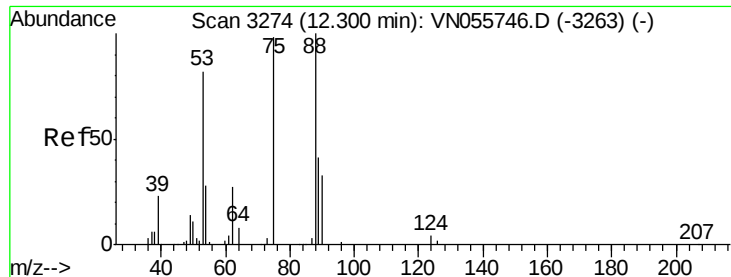
Tot Ion: 91 Resp: 751602
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.737 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Tgt Ion: 105 Resp: 108638
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 3.717 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

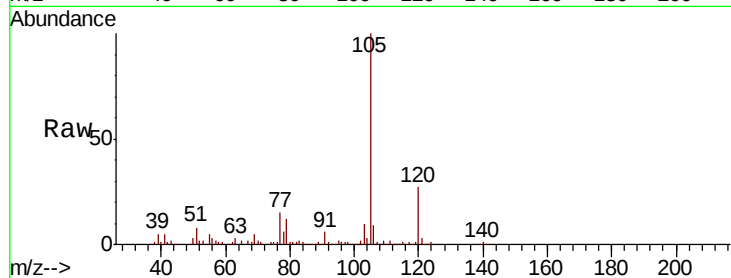
Tot Ion: 75 Resp: 7105

Ion Ratio Lower Upper

75 100

53 73.6 68.1 102.1

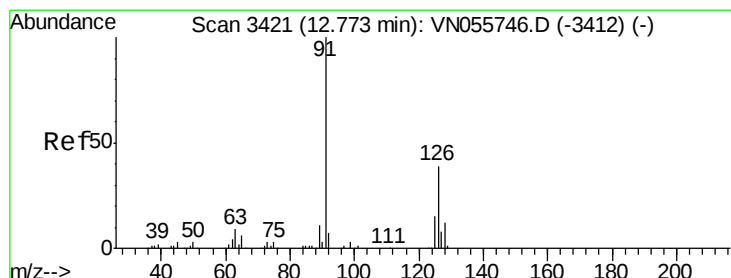
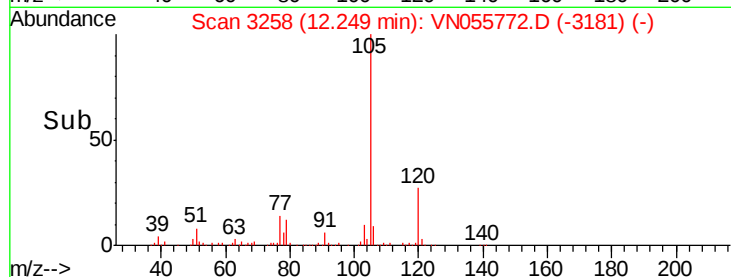
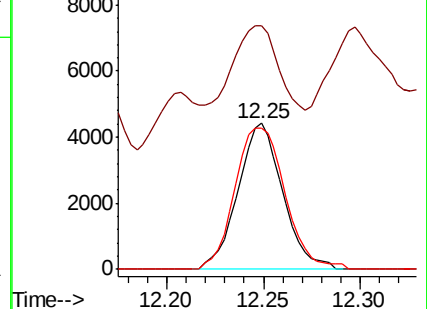
89 108.9 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.457 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.12 min

Lab File: VN055772.D

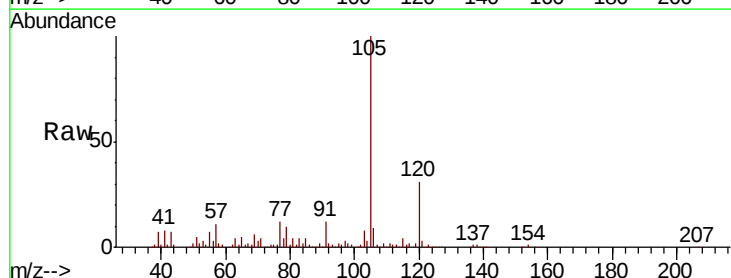
Acq: 23 May 2019 23:02

Tgt Ion: 91 Resp: 32285

Ion Ratio Lower Upper

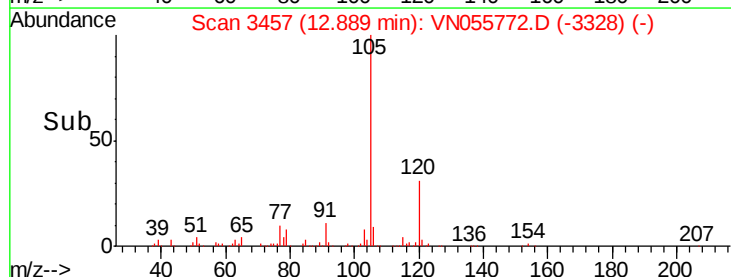
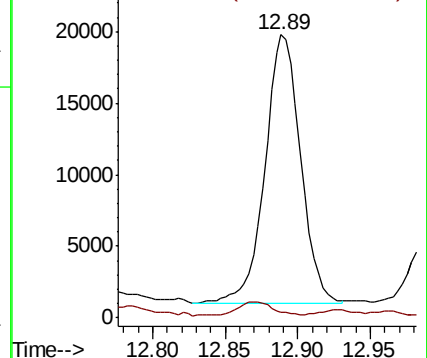
91 100

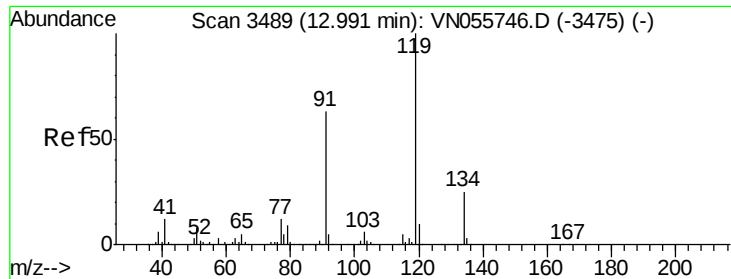
126 6.8 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

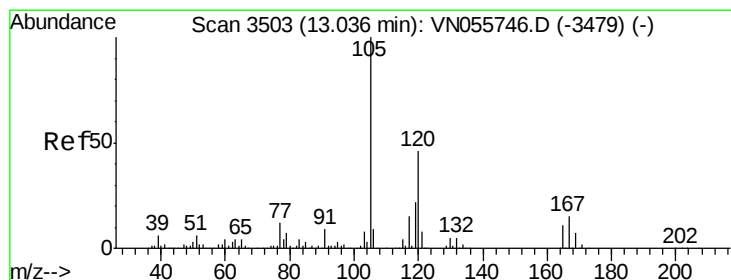
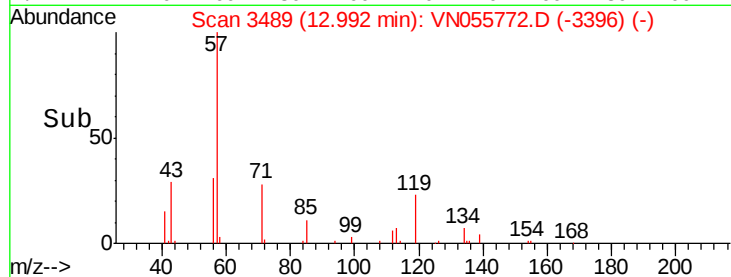
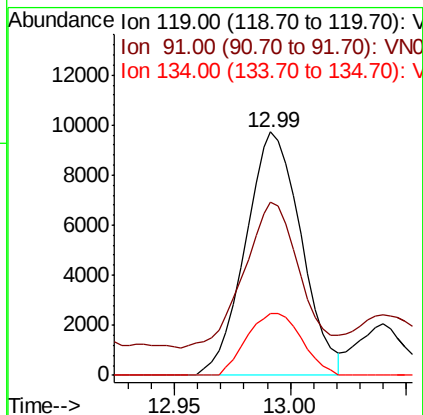
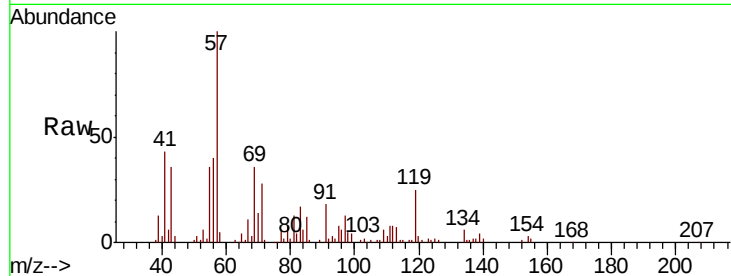




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

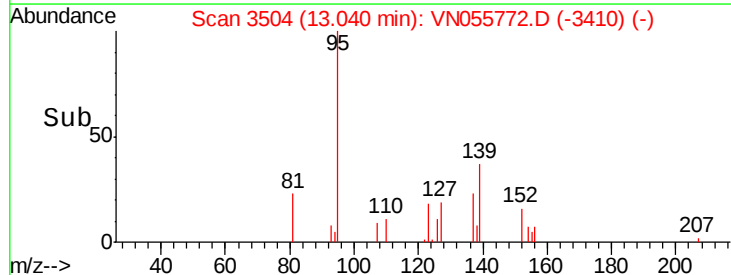
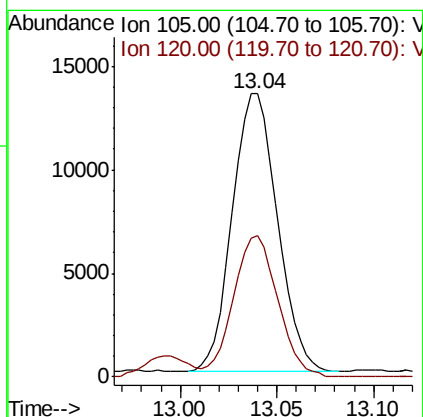
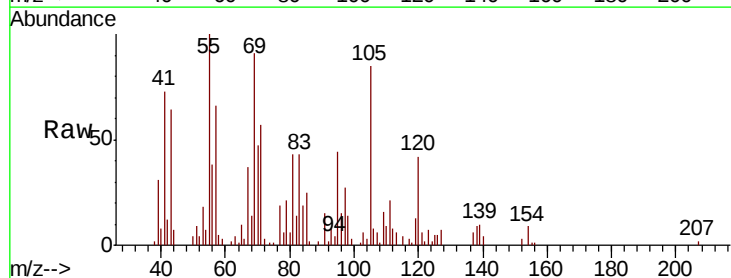
Instrument :
MSVOA_N
ClientSampleId :
P-9(4.5-5.0)

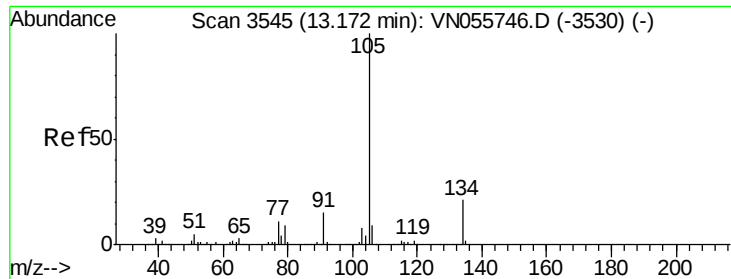
Tot Ion:119 Resp: 16220
Ion Ratio Lower Upper
119 100
91 59.0 30.9 92.8
134 25.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion:105 Resp: 21893
Ion Ratio Lower Upper
105 100
120 49.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.530 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

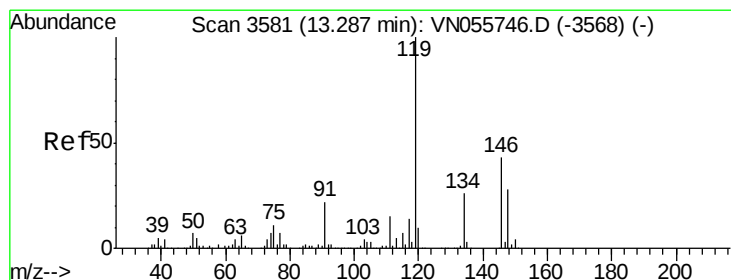
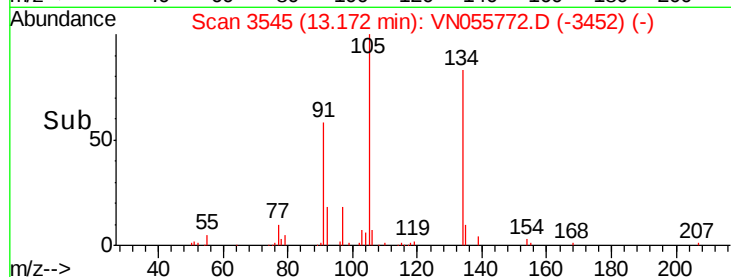
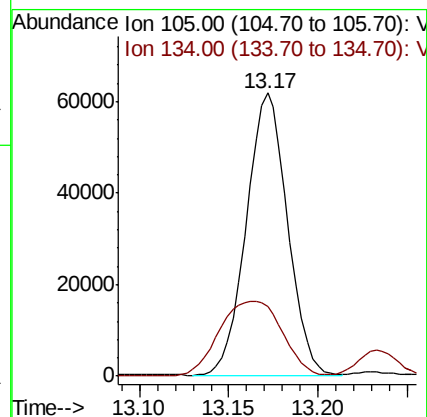
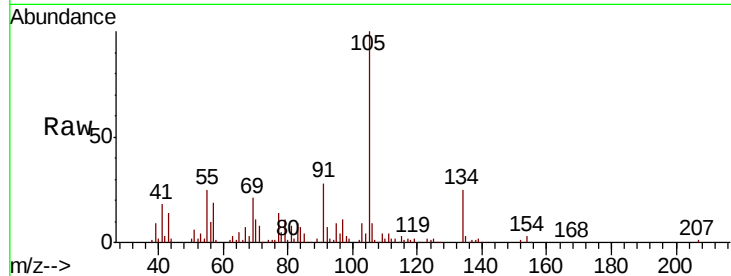
P-9(4.5-5.0)

Tot Ion:105 Resp: 99129

Ion Ratio Lower Upper

105 100

134 40.8 10.4 31.2#



#86

p-Isopropyltoluene

Concen: 2.777 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

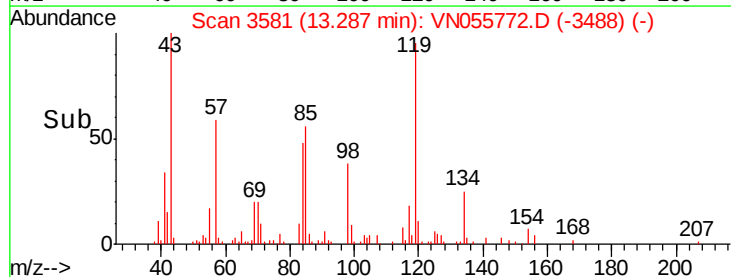
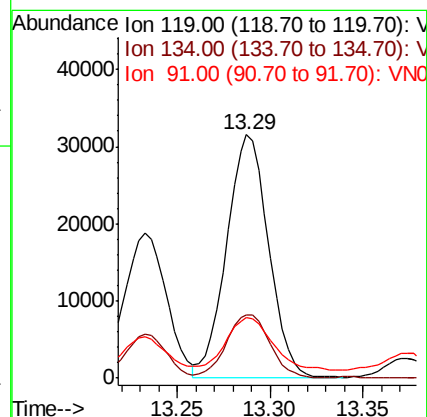
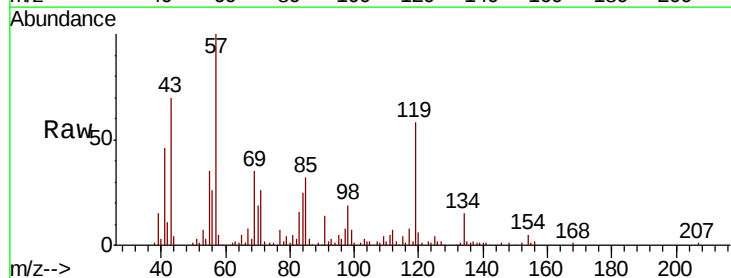
Tgt Ion:119 Resp: 49599

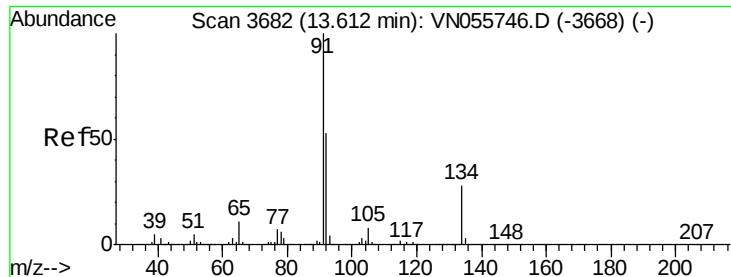
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.4 10.9 32.9

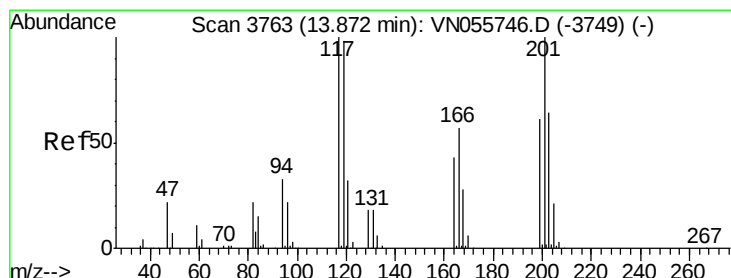
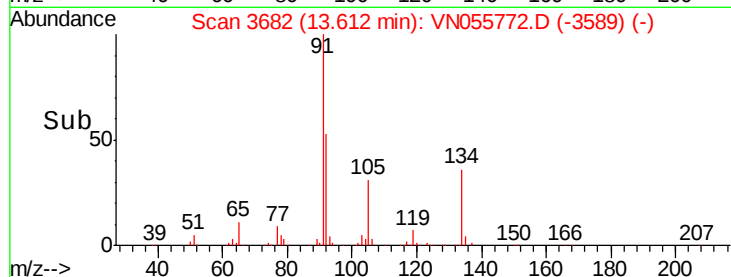
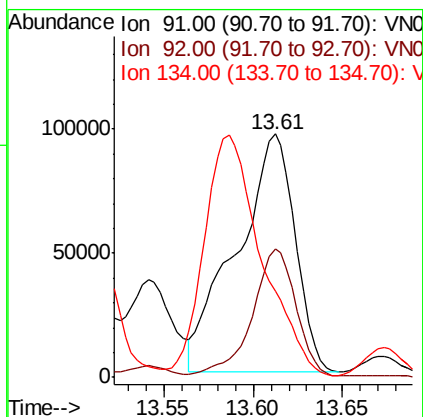
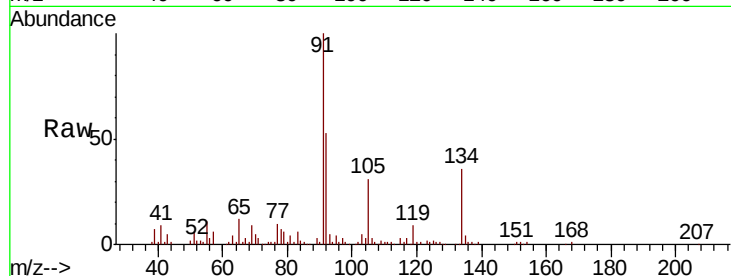




#89
n-Butylbenzene
Concen: 16.083 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

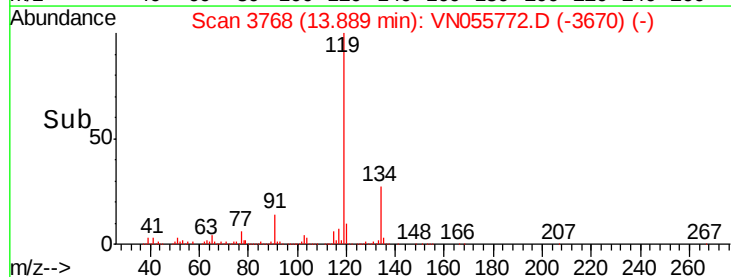
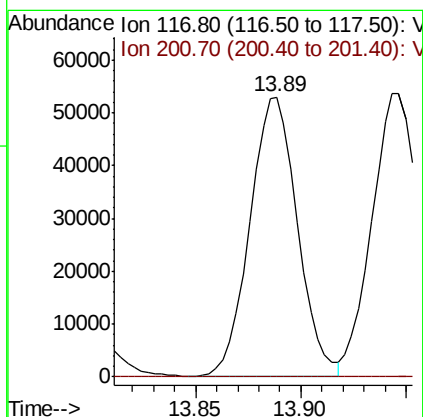
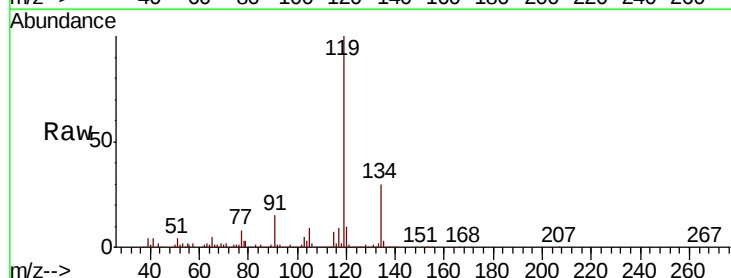
Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

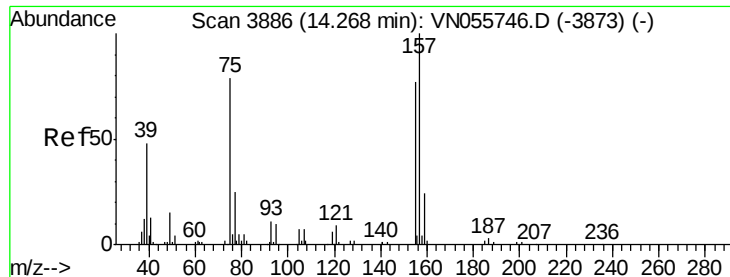
Tot Ion: 91 Resp: 220111
Ion Ratio Lower Upper
91 100
92 40.1 26.4 79.0
134 0.0 13.9 41.7#



#90
Hexachloroethane
Concen: 24.287 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 117 Resp: 82572
Ion Ratio Lower Upper
117 100
201 0.0 50.0 150.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.834 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

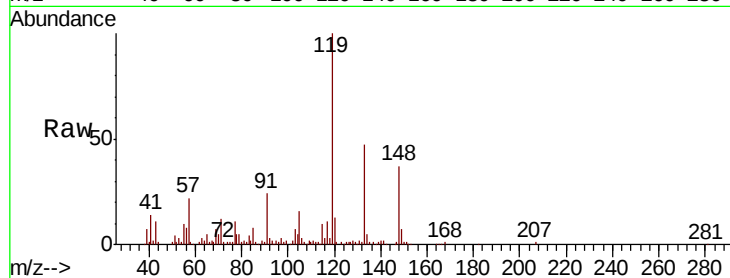
Tot Ion: 75 Resp: 950

Ion Ratio Lower Upper

75 100

155 3.1 50.0 150.1#

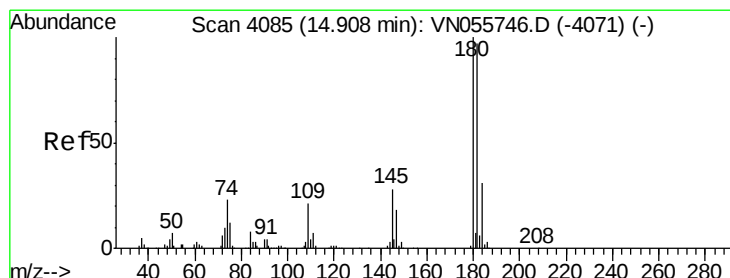
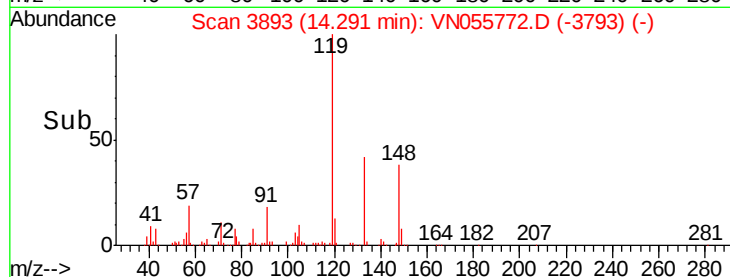
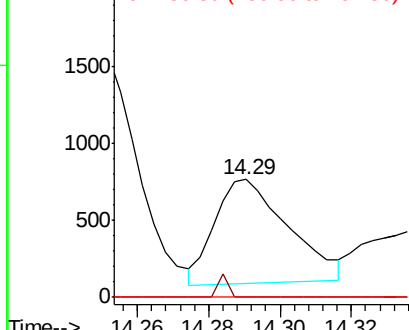
157 0.0 64.8 194.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN055746.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN055746.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.254 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

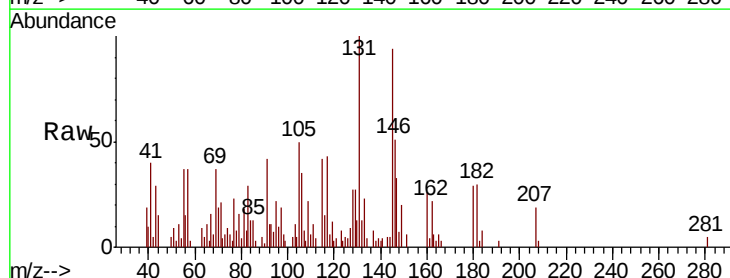
Tgt Ion: 180 Resp: 3323

Ion Ratio Lower Upper

180 100

182 114.4 48.3 144.9

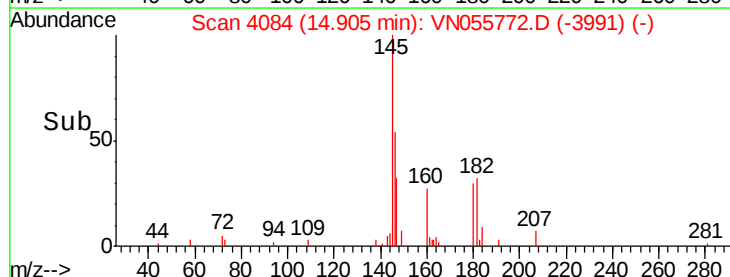
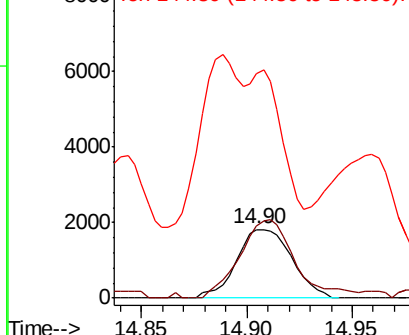
145 0.0 14.0 41.9#

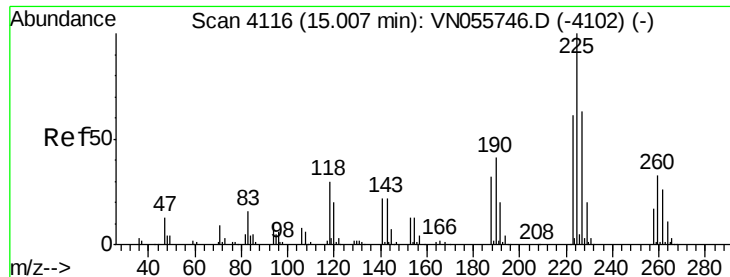


Abundance Ion 179.80 (179.50 to 180.50): VN055746.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055746.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055746.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

P-9(4.5-5.0)

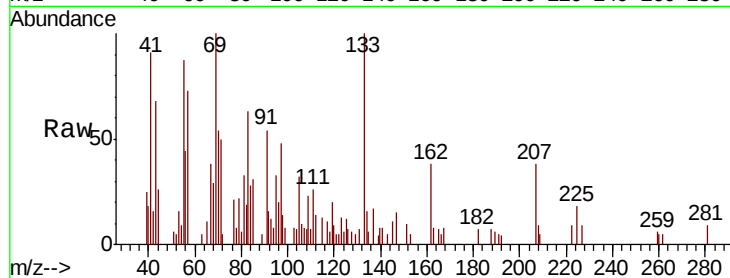
Tot Ion:225 Resp: 858

Ion Ratio Lower Upper

225 100

223 54.3 30.9 92.7

227 56.9 31.6 94.7

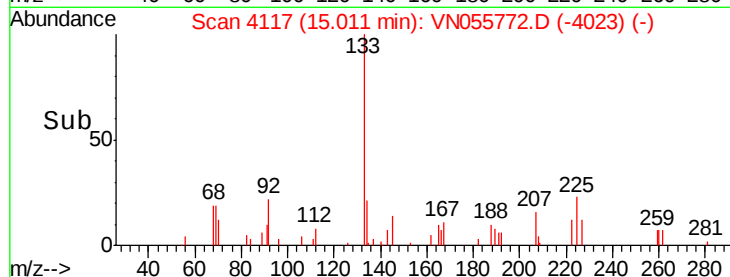


Abundance Ion 224.70 (224.40 to 225.40): V

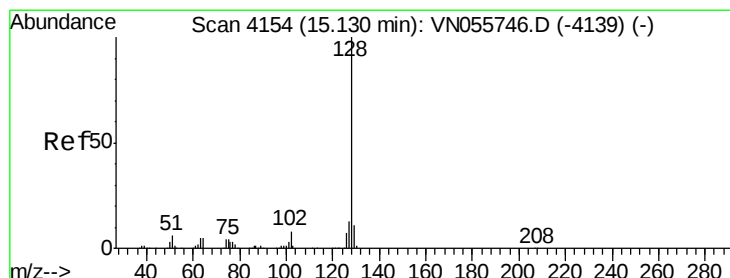
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01



Time-->



#95

Naphthalene

Concen: 17.088 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

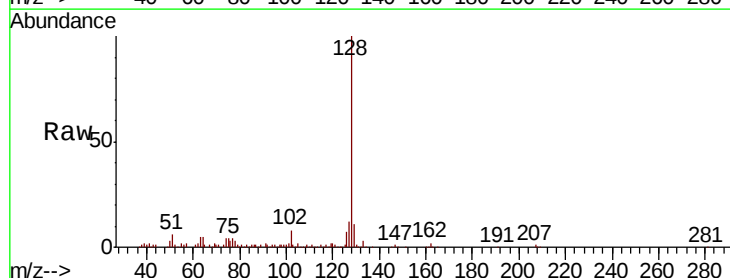
Tgt Ion:128 Resp: 203320

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.7 13.1

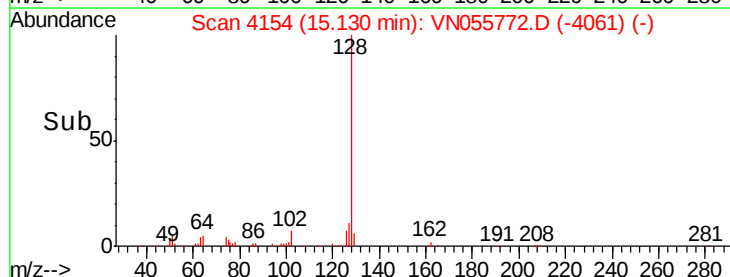


Abundance Ion 128.00 (127.70 to 128.70): V

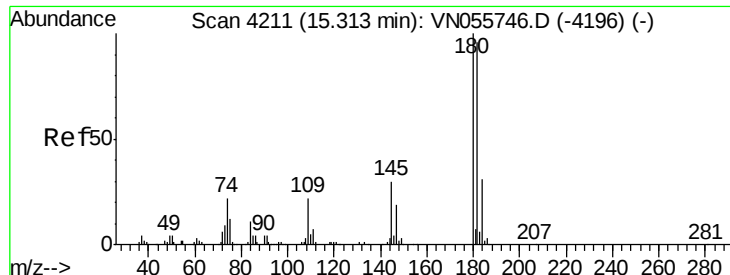
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 0.960 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 P-9(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.7
145	153.0	14.9	44.7#

