

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055773.D
 Acq On : 23 May 2019 23:27
 Operator : JC/SP
 Sample : K2996-12 10X
 Misc : 5.70µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-10(4.5-5.0)

Quant Time: May 24 06:53:56 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	443096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	597961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	190654	41.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.32%	
35) Dibromofluoromethane	7.59	113	178052	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	10.09	98	754266	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	289716	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	9200	10.523	ug/l #	74
13) Acrolein	3.55	56	1008	1.610	ug/l #	1
14) Allyl chloride	4.57	41	394095	61.004	ug/l #	62
15) Acrylonitrile	5.04	53	23406	11.658	ug/l #	39
16) Acetone	3.77	43	32794	16.303	ug/l #	52
18) Methyl Acetate	4.57	43	1119922	279.673	ug/l #	51
20) Methylene Chloride	4.68	84	32258	7.405	ug/l #	10
23) Vinyl Acetate	5.91	43	12143	1.127	ug/l #	71
24) 1,1-Dichloroethane	5.91	63	3584	0.490	ug/l #	83
25) 2-Butanone	6.81	43	14590	5.194	ug/l #	47
28) Bromochloromethane	7.38	49	1090	0.313	ug/l #	7
29) Tetrahydrofuran	7.21	42	3076	1.729	ug/l #	32
30) Chloroform	7.32	83	128971	17.678	ug/l #	18
31) Cyclohexane	7.63	56	559612	81.477	ug/l #	53
36) 1,1-Dichloropropene	7.66	75	25535	4.900	ug/l #	47
37) Ethyl Acetate	6.81	43	14590	2.897	ug/l #	67
38) Carbon Tetrachloride	7.66	117	35294	6.502	ug/l #	15
39) Methylcyclohexane	9.08	83	782153	121.210	ug/l	92
41) Methacrylonitrile	7.21	41	28621	11.249	ug/l #	41
42) 1,2-Dichloroethane	8.15	62	1491	0.291	ug/l #	1
43) Isopropyl Acetate	8.14	43	208751	24.669	ug/l #	53
45) 1,2-Dichloropropane	9.14	63	1648	0.403	ug/l #	1
47) Bromodichloromethane	9.38	83	187188	34.019	ug/l #	25
48) Methyl methacrylate	9.22	41	29008	7.438	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	79155	15.838	ug/l #	74
55) 1,1,2-Trichloroethane	10.53	97	289210	73.089	ug/l #	18
56) Ethyl methacrylate	10.47	69	72081	11.787	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	5434	2.325	ug/l #	46
59) 2-Hexanone	10.72	43	256299	72.290	ug/l #	29
61) 1,2-Dibromoethane	10.98	107	2341	0.570	ug/l #	1
65) Chlorobenzene	11.54	112	6261	0.559	ug/l #	42
67) Ethyl Benzene	11.51	91	3251746	161.933	ug/l	99
68) m/p-Xylenes	11.62	106	689071	90.769	ug/l	98
69) o-Xylene	11.94	106	5500	0.730	ug/l	62

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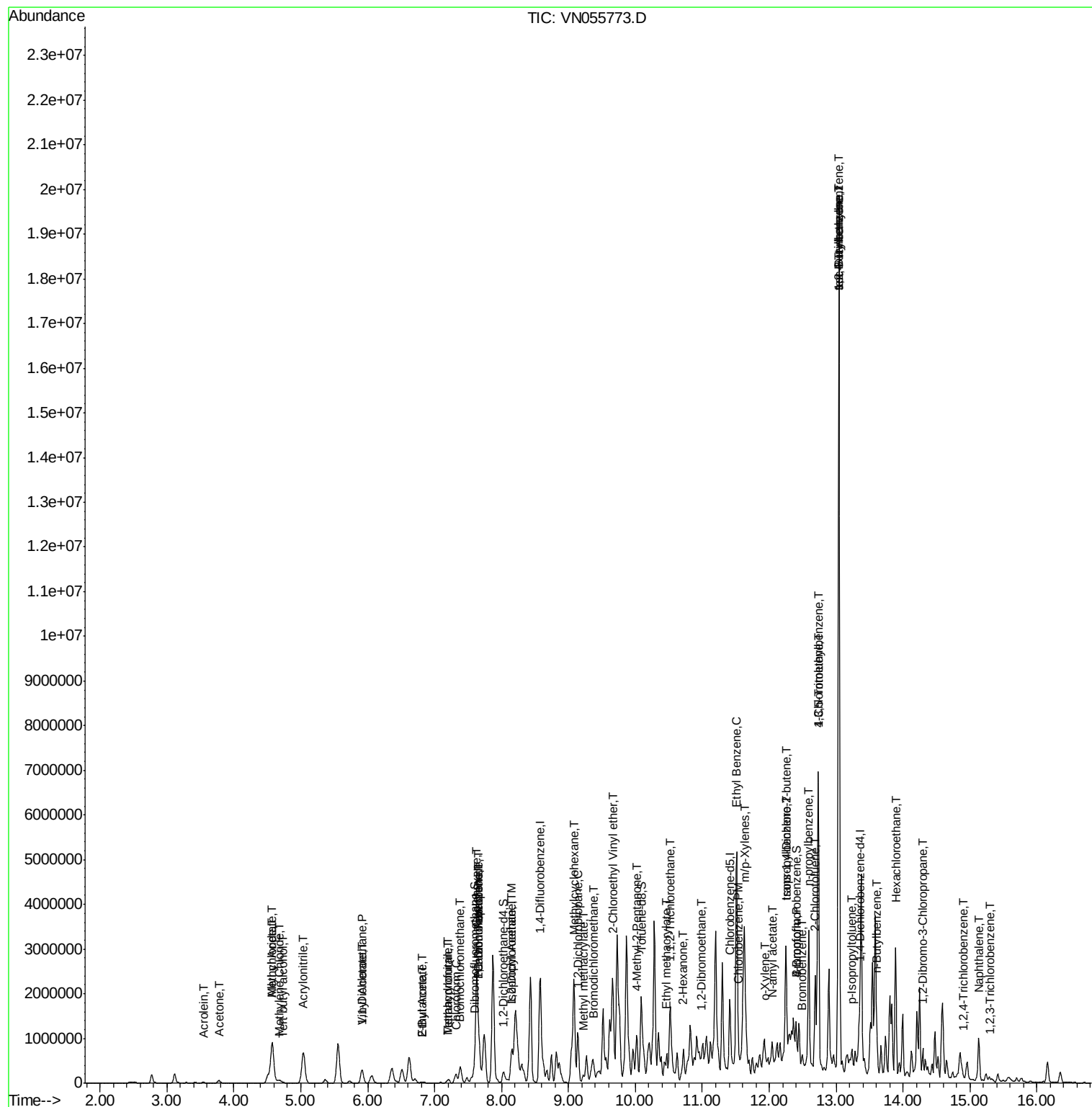
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Bromoform	12.40	173	1750	0.459	ug/l #	1
73) Isopropylbenzene	12.25	105	1904596	98.473	ug/l	99
74) N-amyl acetate	12.04	43	131142	15.784	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.49	83	8293	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.59	75	13089	Below Cal	#	100
77) Bromobenzene	12.50	156	3137	0.526	ug/l #	1
78) n-propylbenzene	12.59	91	2391377	98.536	ug/l	99
79) 2-Chlorotoluene	12.69	91	151594	9.533	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	3257896	202.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.25	75	19641	9.464	ug/l #	62
82) 4-Chlorotoluene	12.73	91	308073	21.595	ug/l #	40
83) tert-Butylbenzene	13.04	119	1418995	101.291	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	11092199	694.716	ug/l	98
85) sec-Butylbenzene	13.04	105	11092199	616.867	ug/l #	55
86) p-Isopropyltoluene	13.23	119	175923	9.072	ug/l	96
89) n-Butylbenzene	13.61	91	308108	20.737	ug/l #	66
90) Hexachloroethane	13.89	117	148029	40.105	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1554	1.256	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1407	3.878	ug/l #	1
94) Hexachlorobutadiene	15.01	225	216	Below Cal	#	19
95) Naphthalene	15.13	128	844358	65.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1314	0.264	ug/l #	85

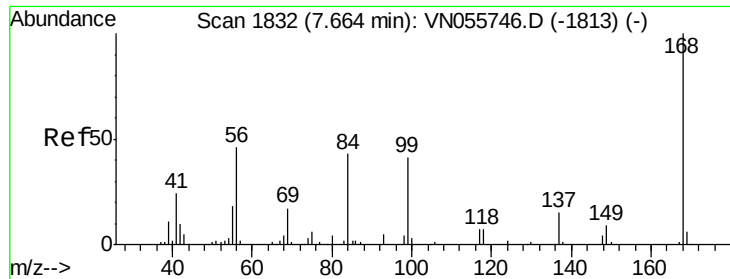
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

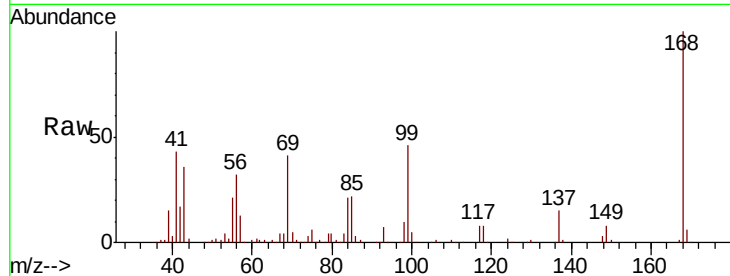
P-10(4.5-5.0)

Tot Ion:168 Resp: 443096

Ion Ratio Lower Upper

168 100

99 45.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

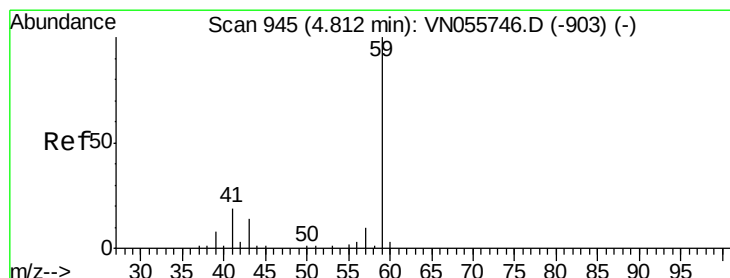
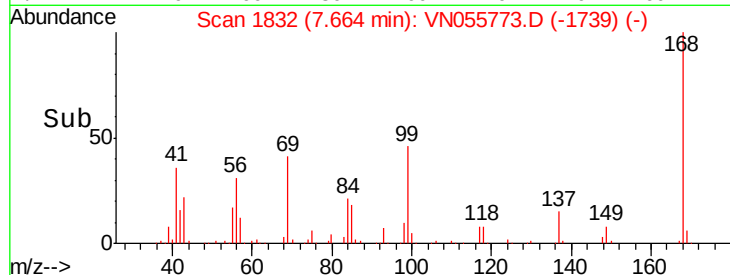
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 10.523 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN055773.D

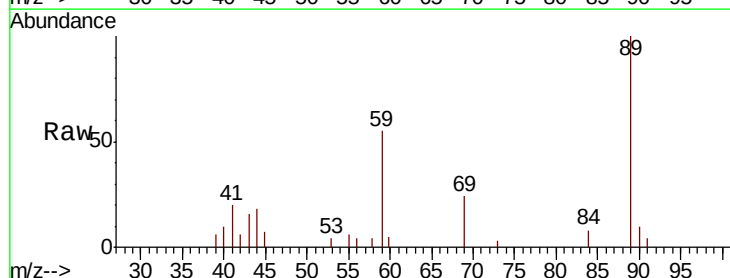
Acq: 23 May 2019 23:27

Tgt Ion: 59 Resp: 9200

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

12000

10000

8000

6000

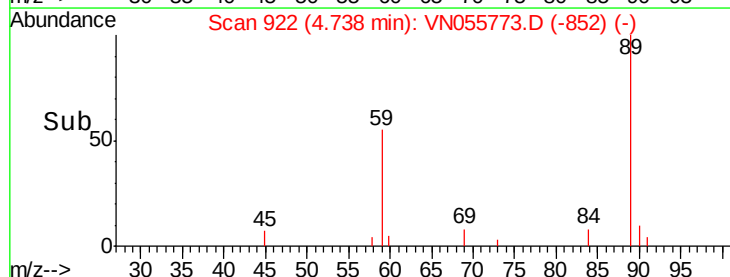
4000

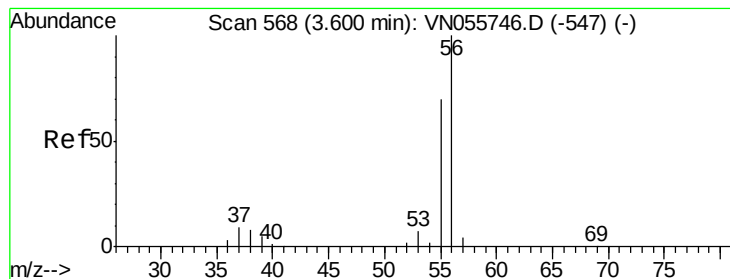
2000

0

4.65 4.70 4.75 4.80

Time-->





#13

Acrolein

Concen: 1.610 ug/l

RT: 3.55 min Scan# 552

Delta R.T. -0.05 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

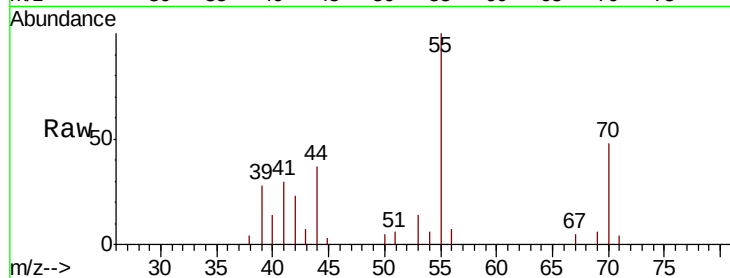
P-10(4.5-5.0)

Tot Ion: 56 Resp: 1008

Ion Ratio Lower Upper

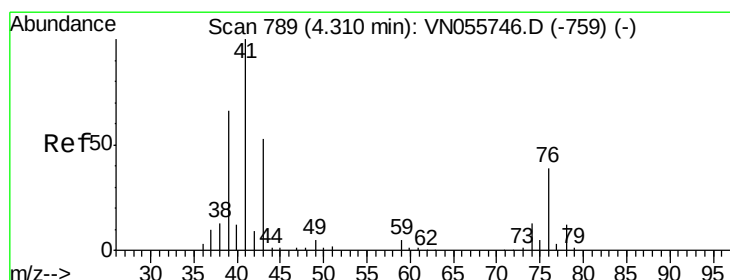
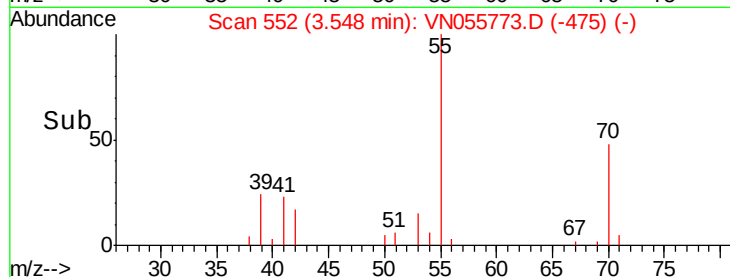
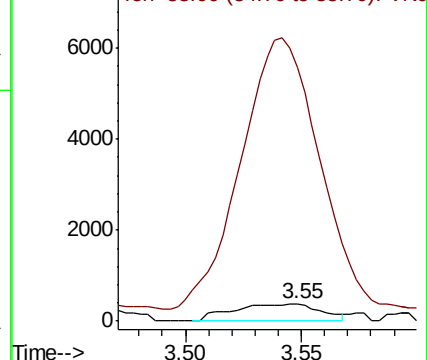
56 100

55 1591.3 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: 61.004 ug/l

RT: 4.57 min Scan# 870

Delta R.T. 0.26 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

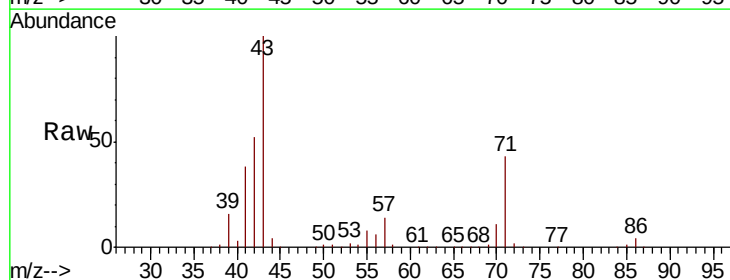
Tgt Ion: 41 Resp: 394095

Ion Ratio Lower Upper

41 100

39 42.5 50.0 75.0#

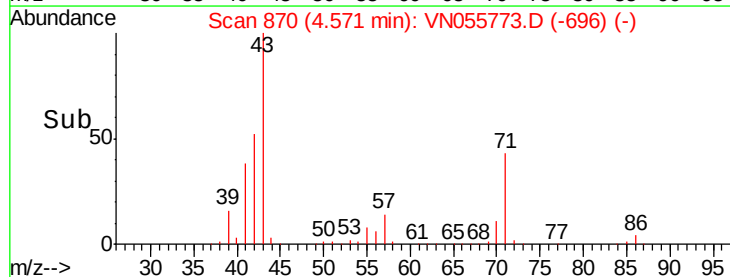
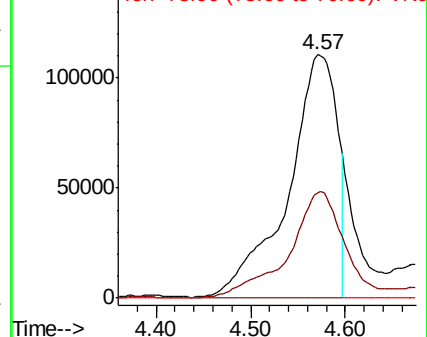
76 0.0 28.2 42.2#

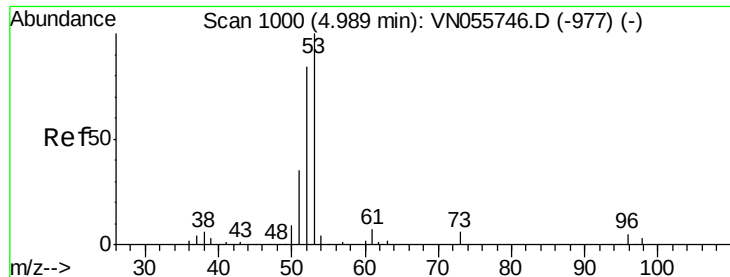


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 11.658 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.05 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

P-10(4.5-5.0)

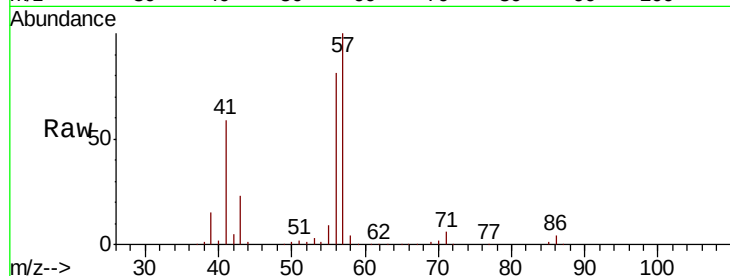
Tot Ion: 53 Resp: 23406

Ion Ratio Lower Upper

53 100

52 18.4 65.8 98.8#

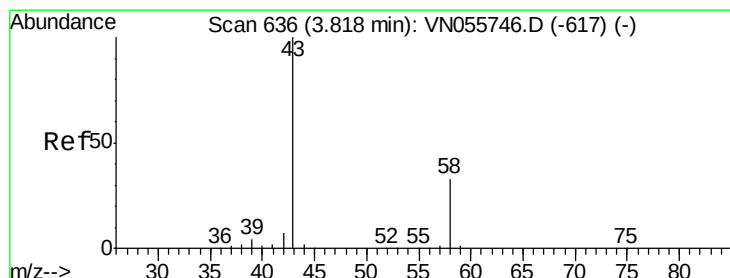
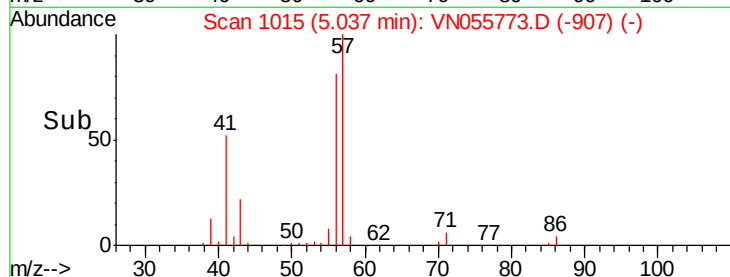
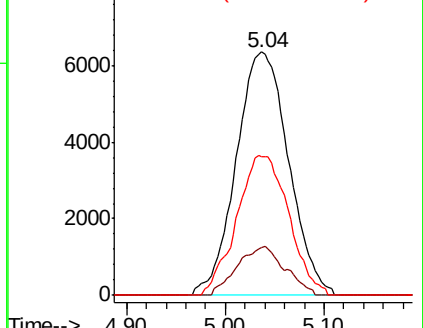
51 56.8 28.2 42.4#



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: 16.303 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.04 min

Lab File: VN055773.D

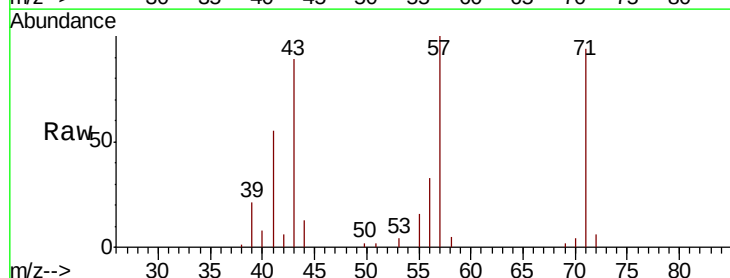
Acq: 23 May 2019 23:27

Tgt Ion: 43 Resp: 32794

Ion Ratio Lower Upper

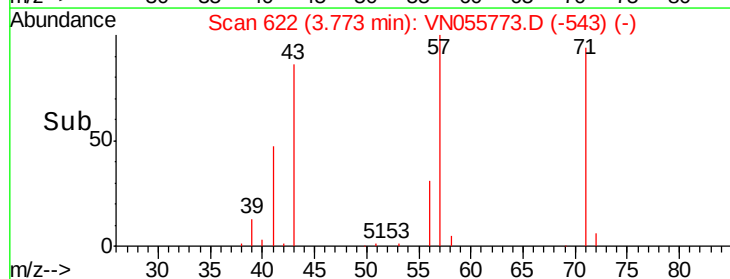
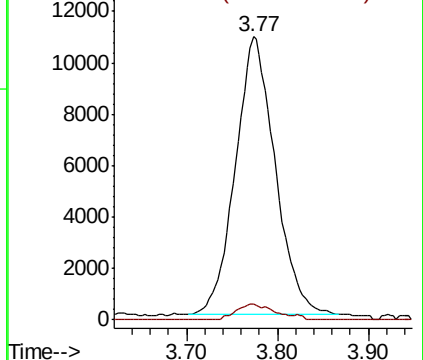
43 100

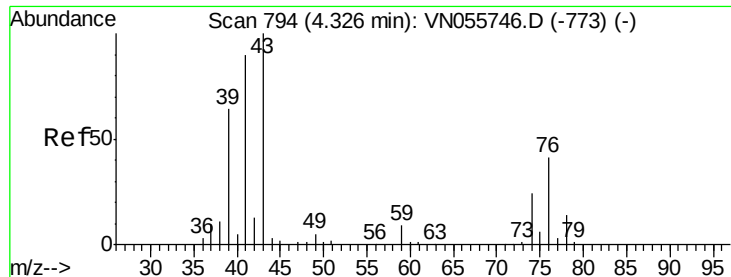
58 5.8 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

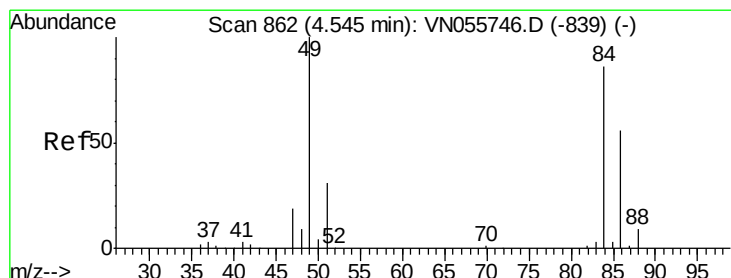
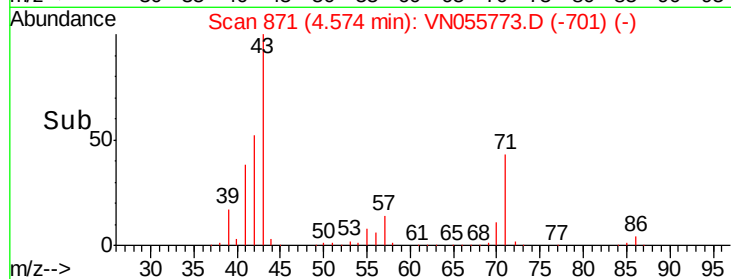
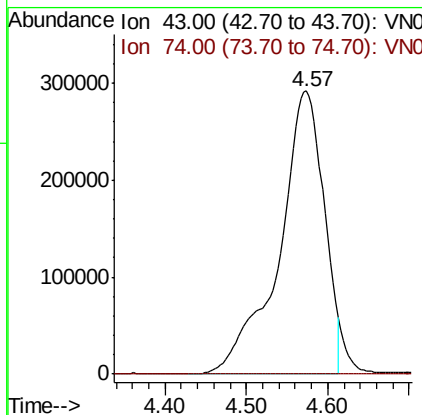
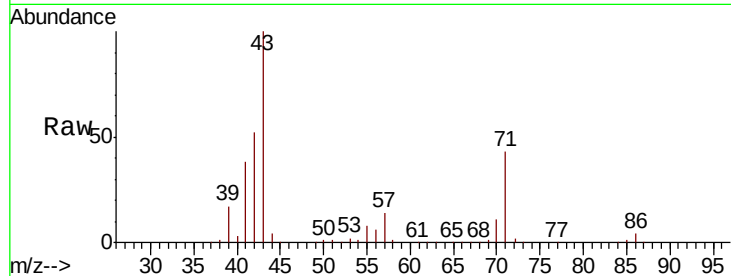




#18
Methyl Acetate
Concen: 279.673 ug/l
RT: 4.57 min Scan# 871
Delta R.T. 0.25 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

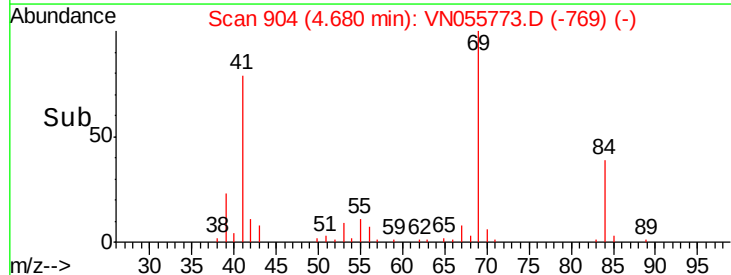
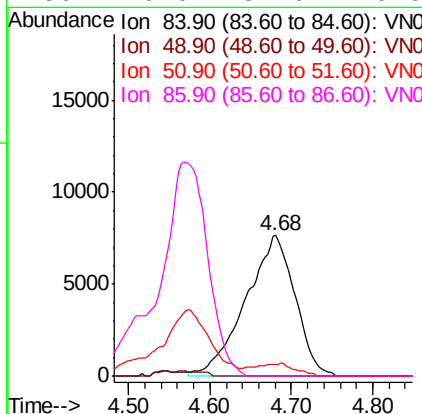
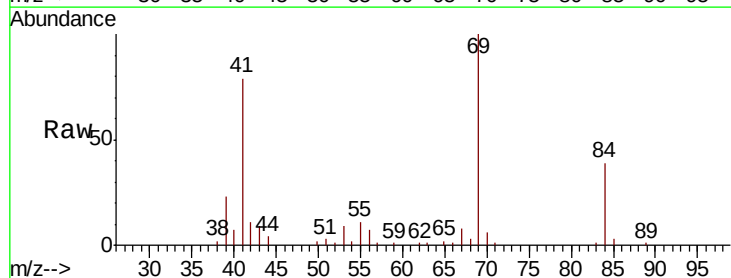
Instrument :
MSVOA_N
ClientSampled :
P-10(4.5-5.0)

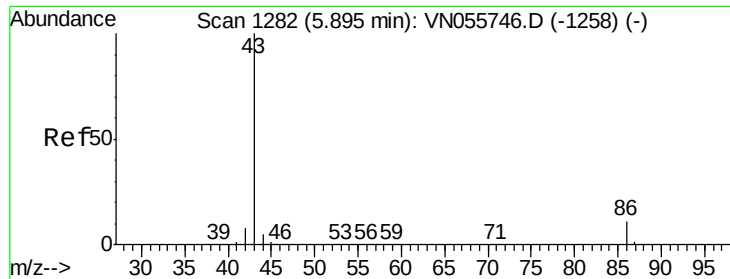
Tot Ion: 43 Resp: 1119922
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 7.405 ug/l
RT: 4.68 min Scan# 904
Delta R.T. 0.14 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion: 84 Resp: 32258
Ion Ratio Lower Upper
84 100
49 0.0 93.5 140.3#
51 7.8 28.6 43.0#
86 0.0 52.6 79.0#





#23

Vinyl Acetate

Concen: 1.127 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

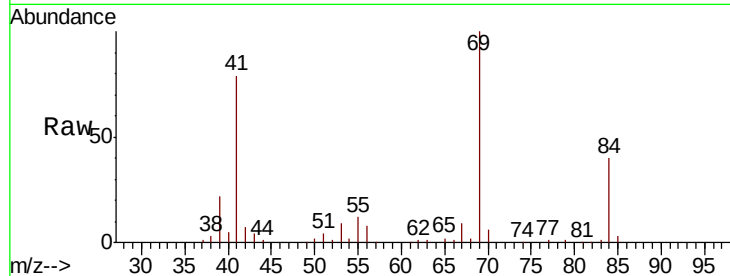
P-10(4.5-5.0)

Tot Ion: 43 Resp: 12143

Ion Ratio Lower Upper

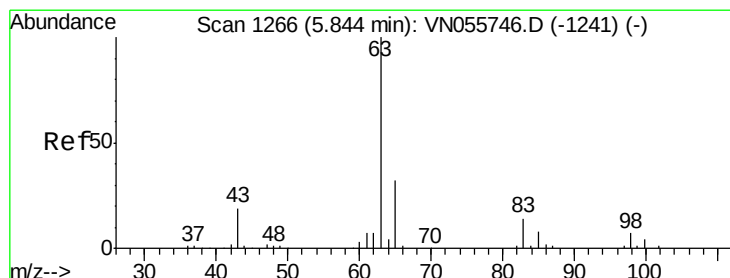
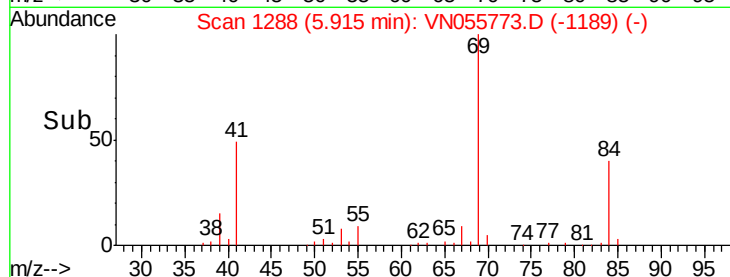
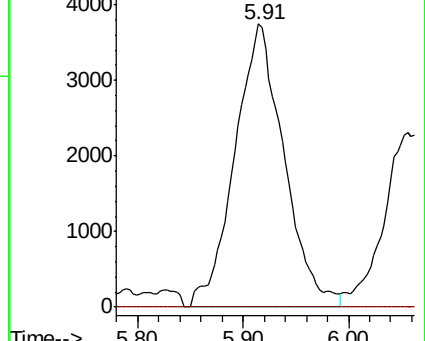
43 100

86 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.490 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. 0.07 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

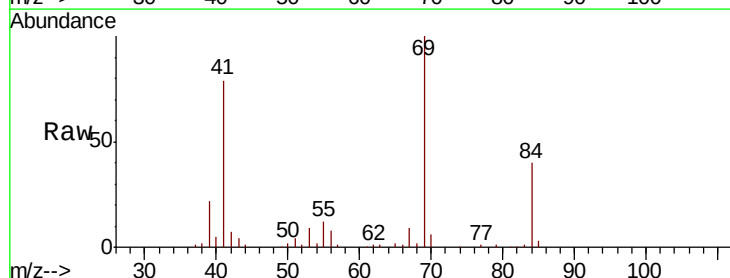
Tgt Ion: 63 Resp: 3584

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

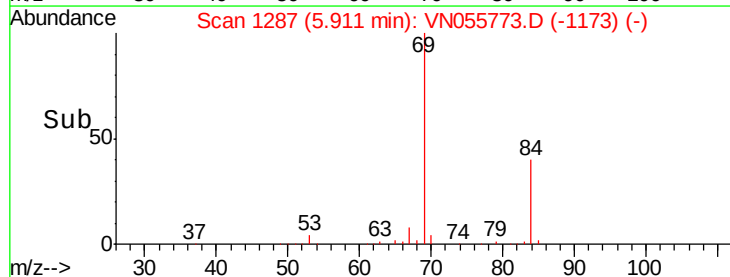
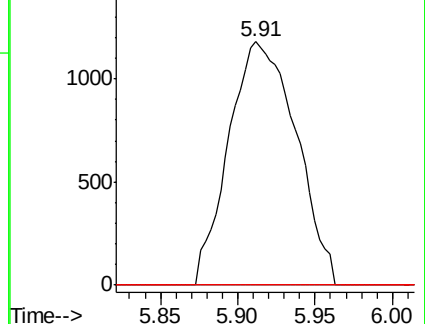
100 0.0 2.2 6.6#

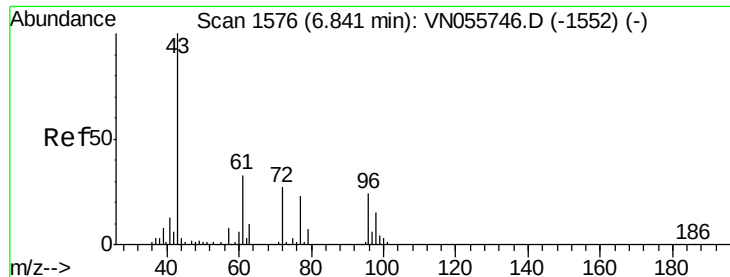


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 5.194 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.03 min

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MSVOA_N

ClientSampled :

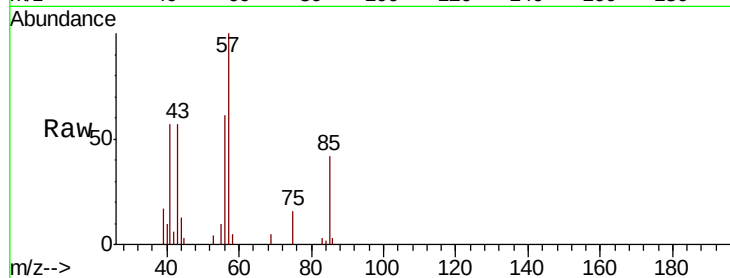
P-10(4.5-5.0)

Tot Ion: 43 Resp: 14590

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

4000

3000

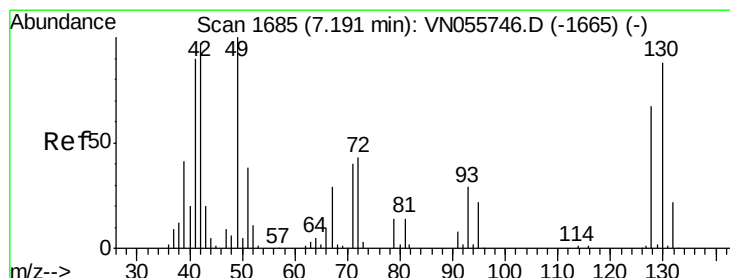
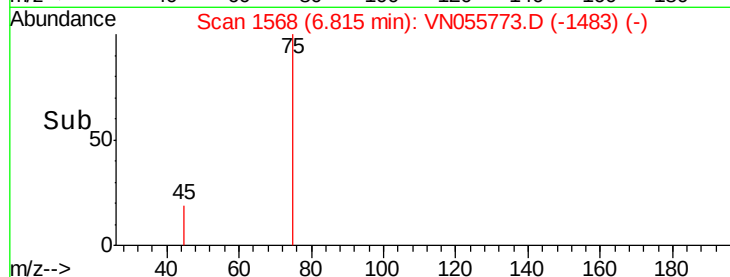
2000

1000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 0.313 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.19 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

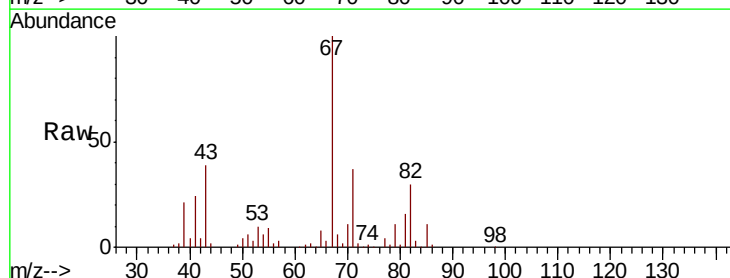
Tgt Ion: 49 Resp: 1090

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 71.2 106.8#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

600

500

400

300

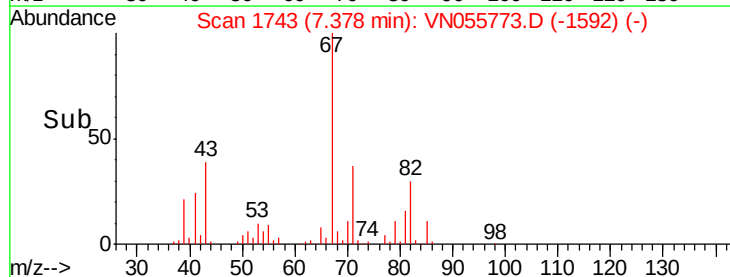
200

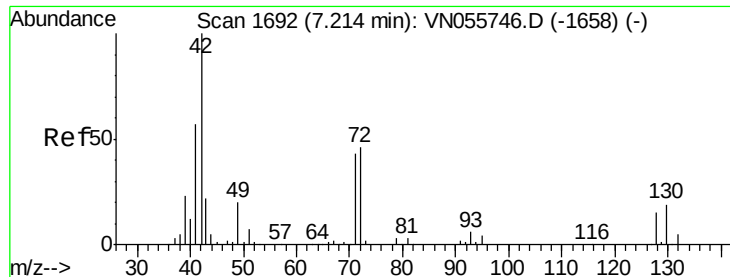
100

0

7.35 7.40

Time-->





#29

Tetrahydrofuran

Concen: 1.729 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

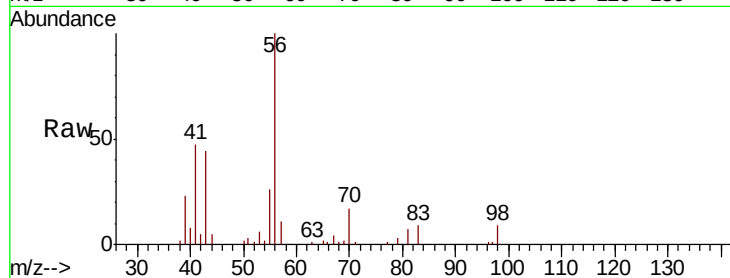
Tot Ion: 42 Resp: 3076

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

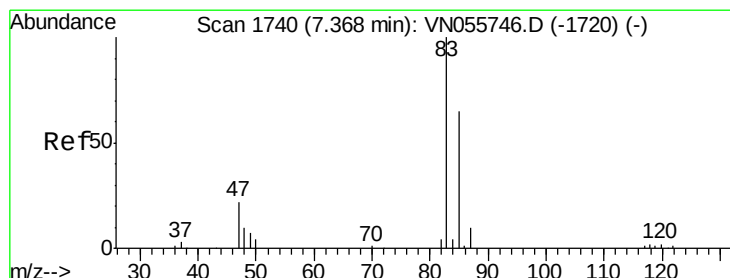
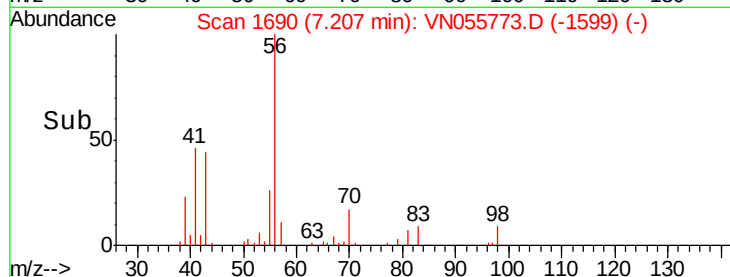
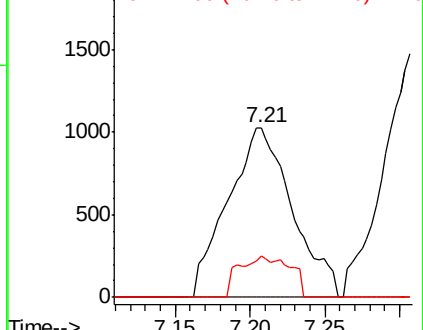
71 0.0 34.0 51.0#



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: 17.678 ug/l

RT: 7.32 min Scan# 1725

Delta R.T. -0.05 min

Lab File: VN055773.D

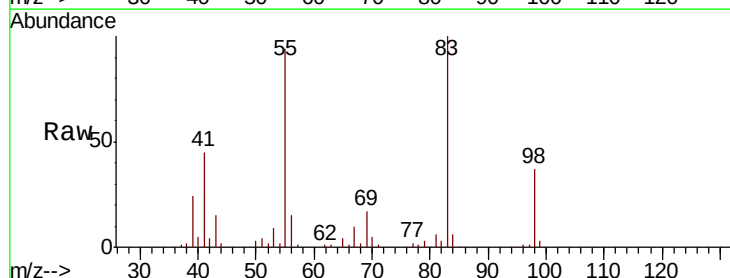
Acq: 23 May 2019 23:27

Tgt Ion: 83 Resp: 128971

Ion Ratio Lower Upper

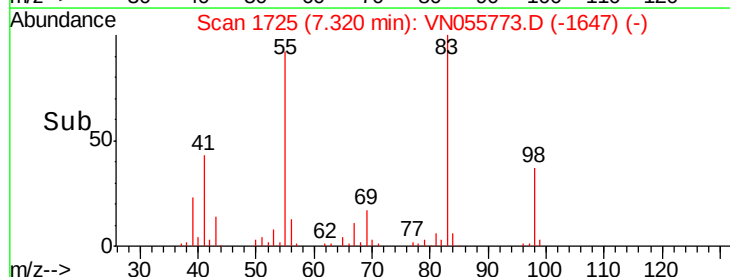
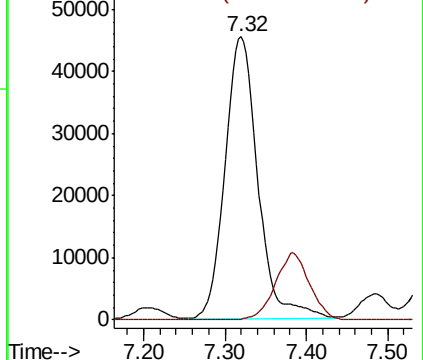
83 100

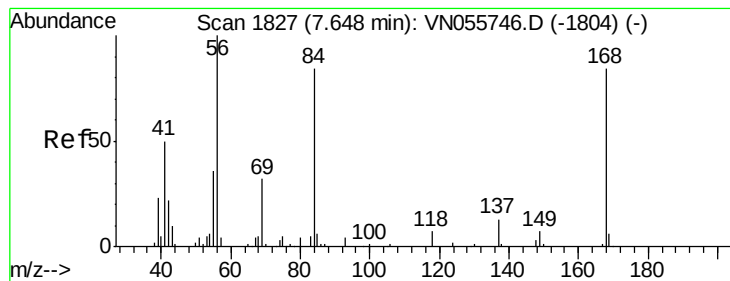
85 0.3 51.8 77.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 81.477 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

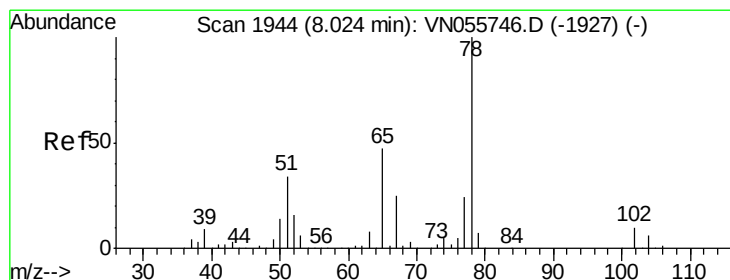
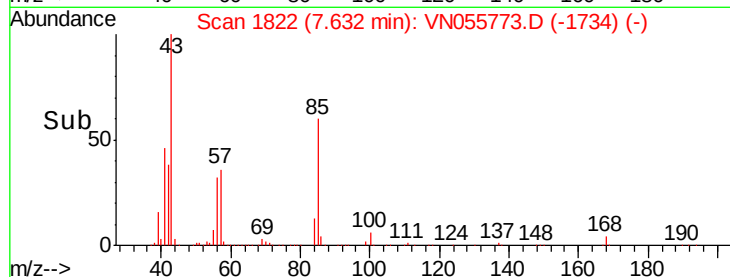
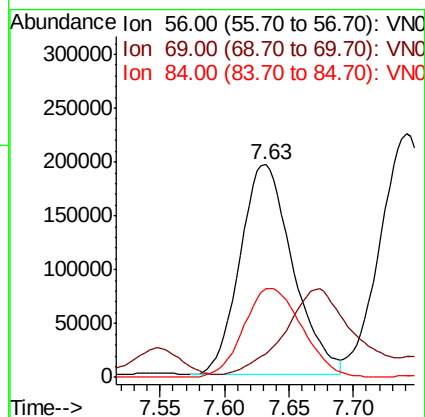
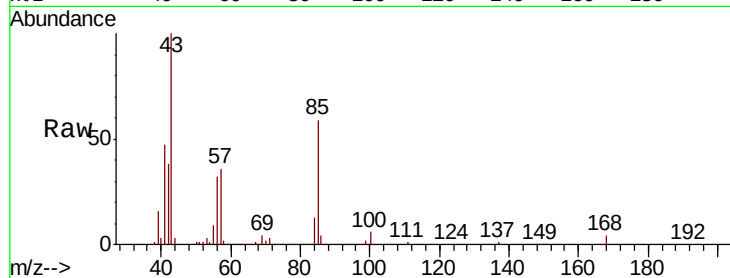
Tot Ion: 56 Resp: 559612

Ion Ratio Lower Upper

56 100

69 6.1 25.6 38.4#

84 41.8 67.4 101.0#



#33

1,2-Dichloroethane-d4

Concen: 41.664 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055773.D

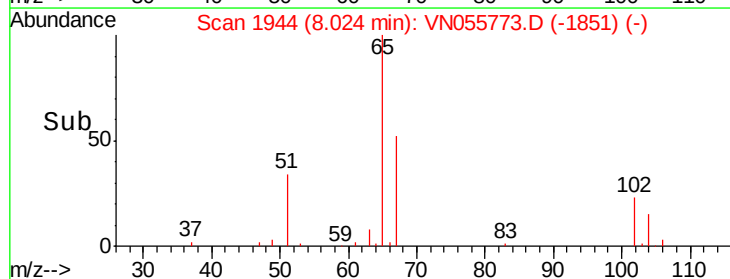
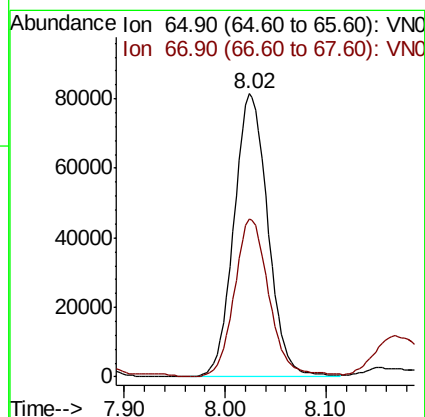
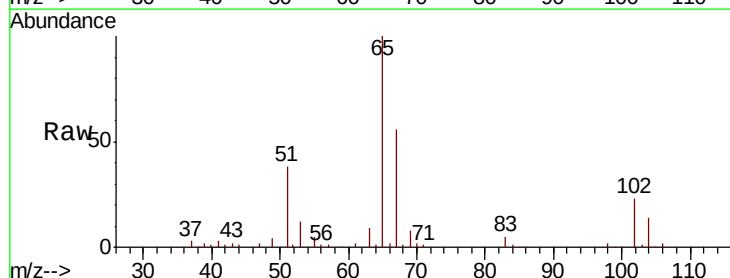
Acq: 23 May 2019 23:27

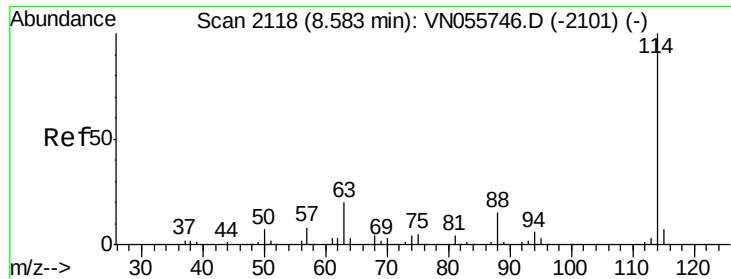
Tgt Ion: 65 Resp: 190654

Ion Ratio Lower Upper

65 100

67 57.3 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

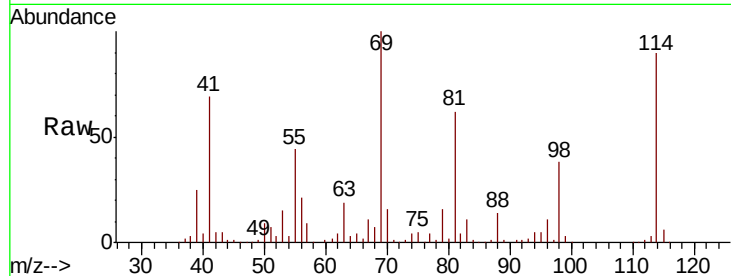
Tot Ion:114 Resp: 597961

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.2

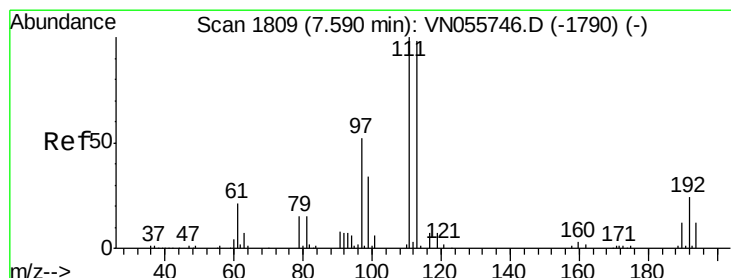
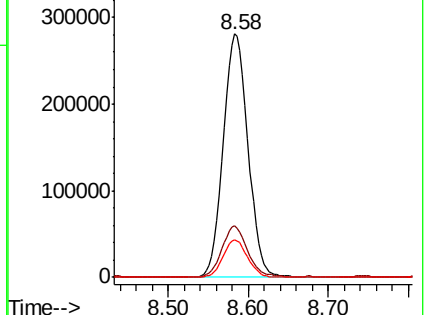
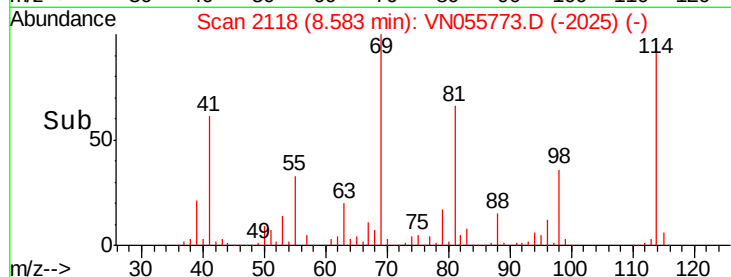
88 15.3 0.0 31.0



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: 47.097 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

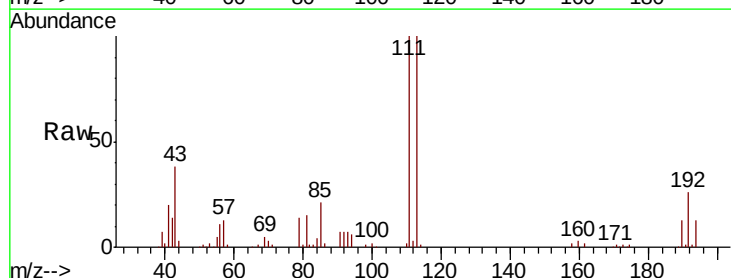
Tgt Ion:113 Resp: 178052

Ion Ratio Lower Upper

113 100

111 100.7 81.9 122.9

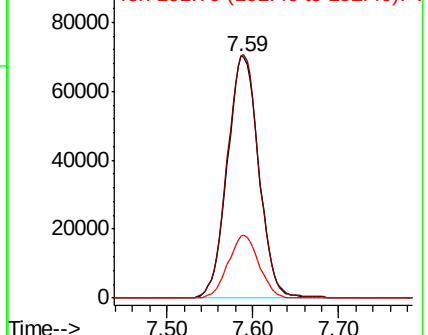
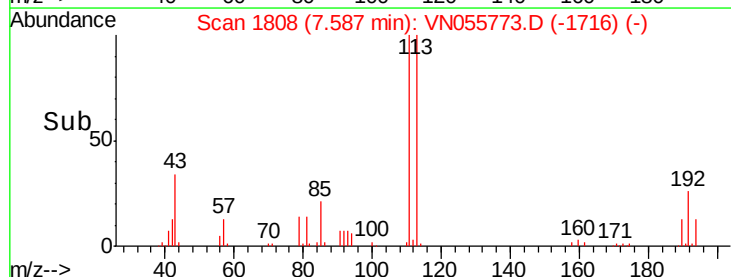
192 25.4 19.5 29.3

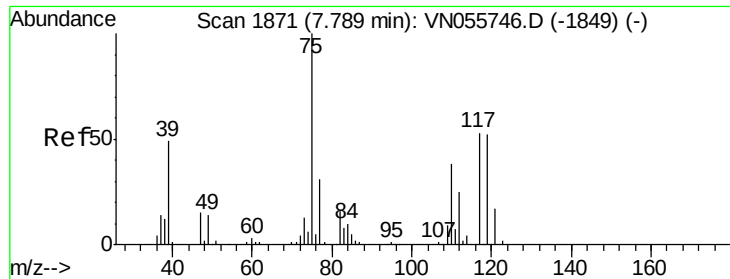


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.900 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

P-10(4.5-5.0)

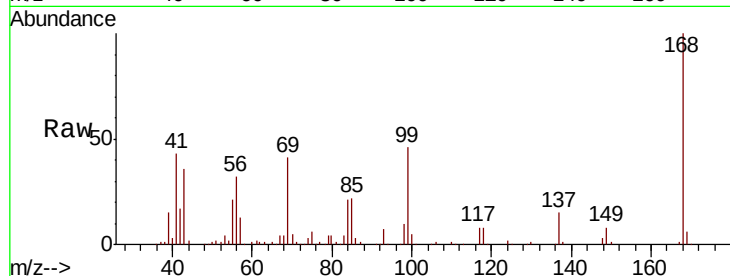
Tot Ion: 75 Resp: 25535

Ion Ratio Lower Upper

75 100

110 8.4 19.0 57.0#

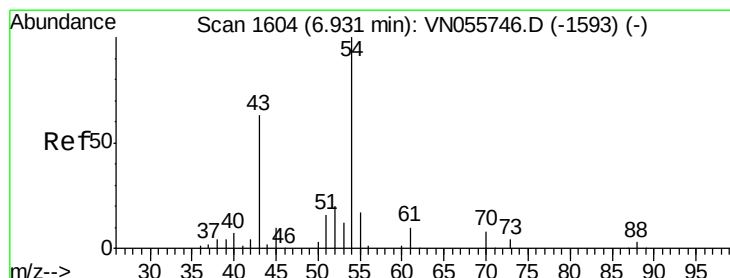
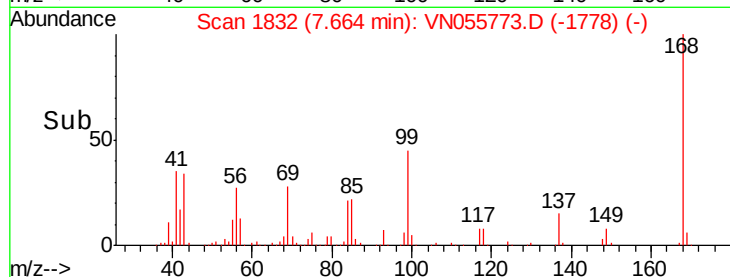
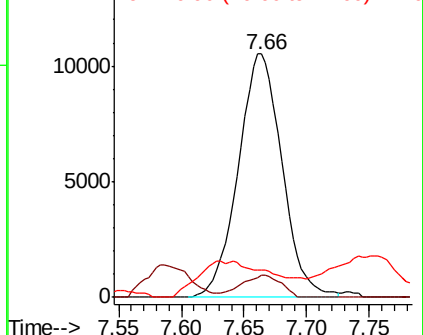
77 0.0 25.1 37.7#



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: 2.897 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.12 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

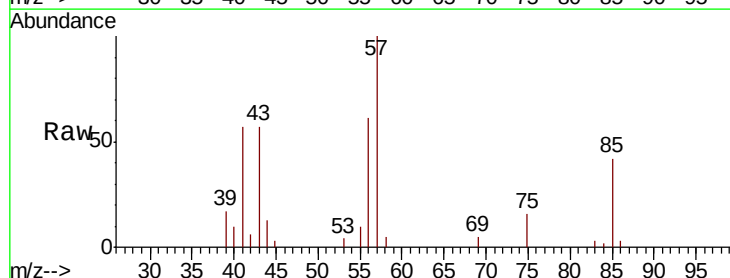
Tgt Ion: 43 Resp: 14590

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

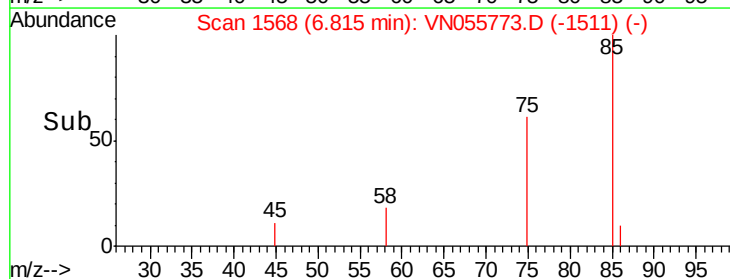
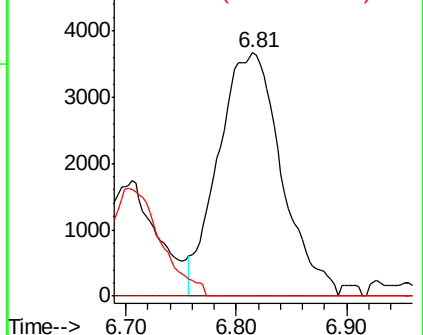
70 0.0 8.9 13.3#

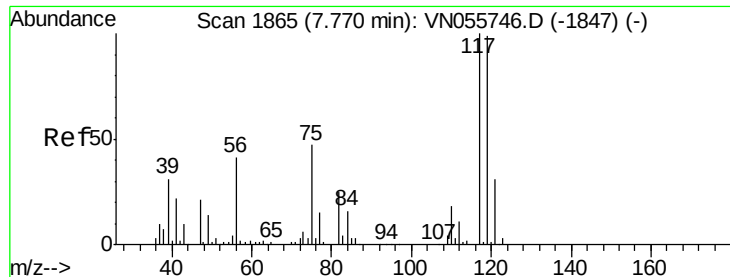


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.502 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

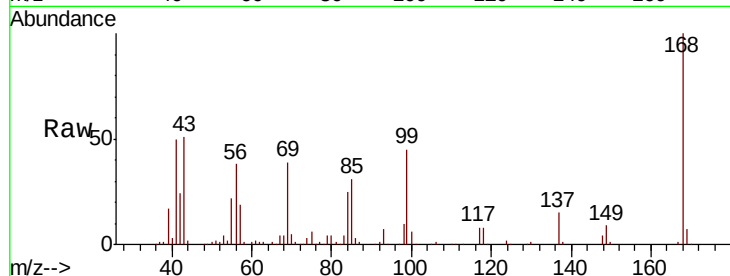
Tot Ion:117 Resp: 35294

Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.6#

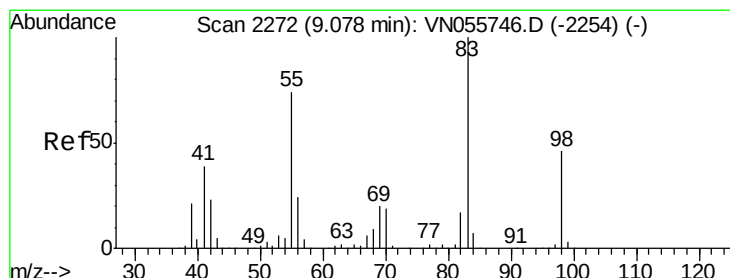
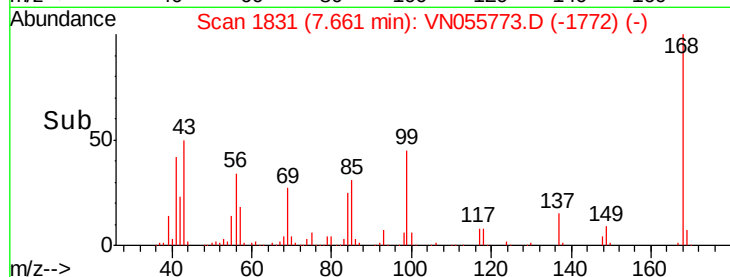
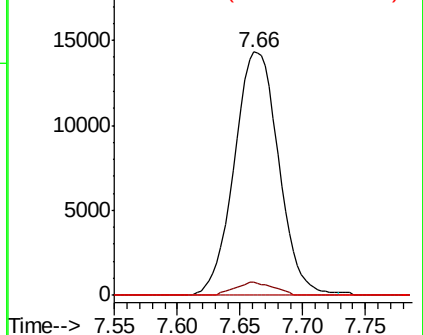
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 121.210 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

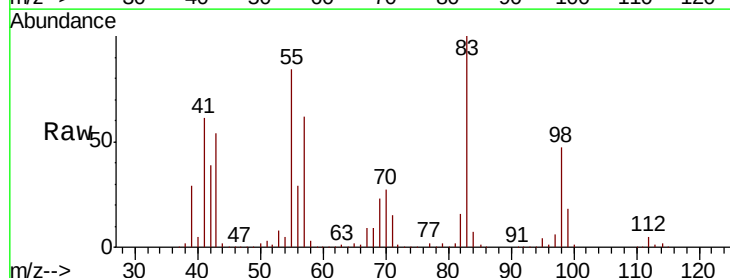
Tgt Ion: 83 Resp: 782153

Ion Ratio Lower Upper

83 100

55 83.5 59.3 88.9

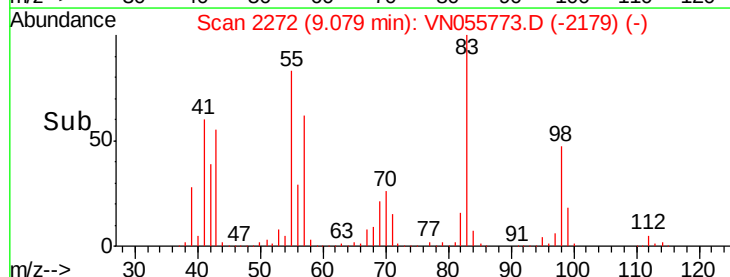
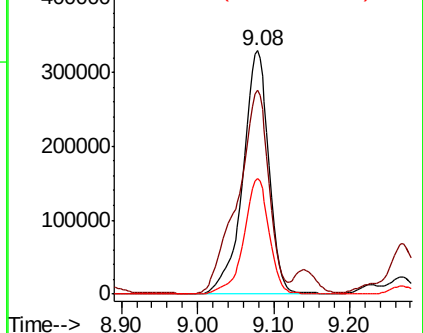
98 47.4 36.6 54.8

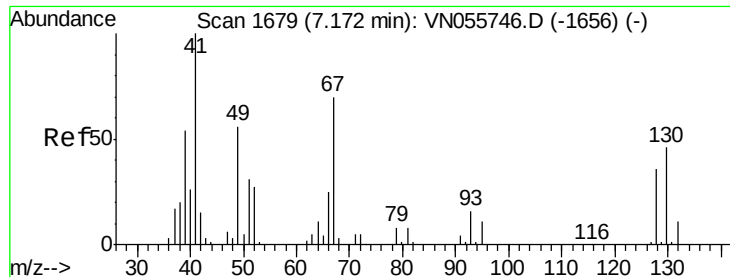


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

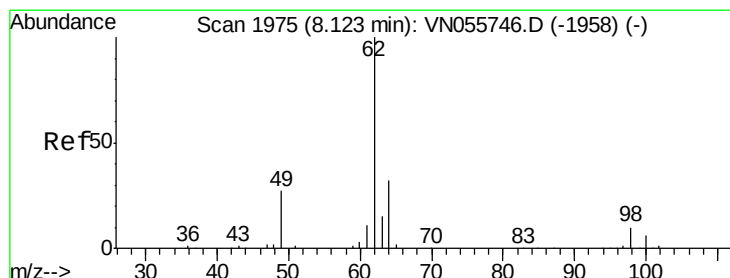
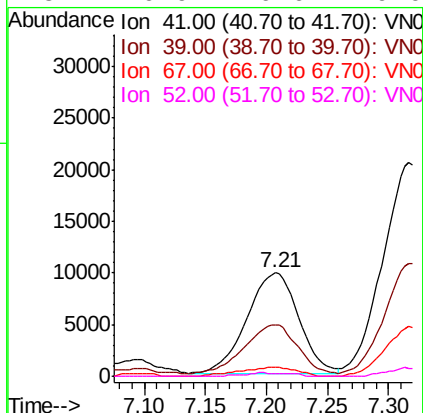
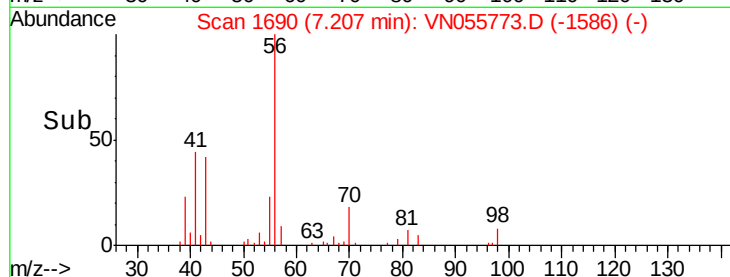
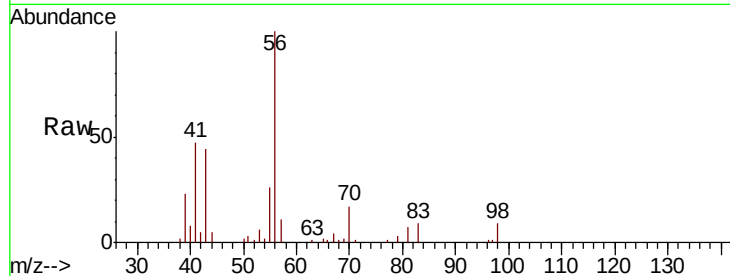




#41
Methacrylonitrile
Concen: 11.249 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

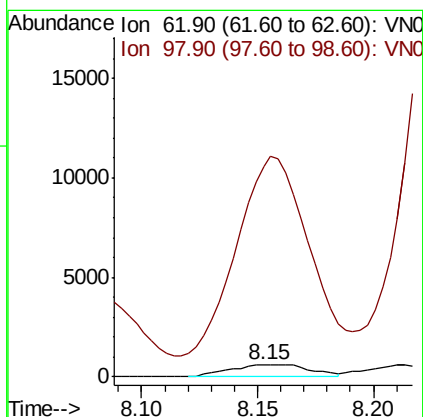
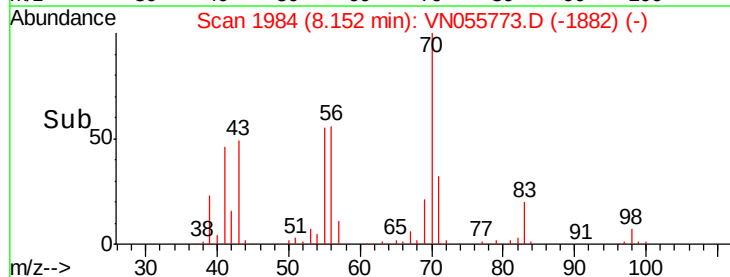
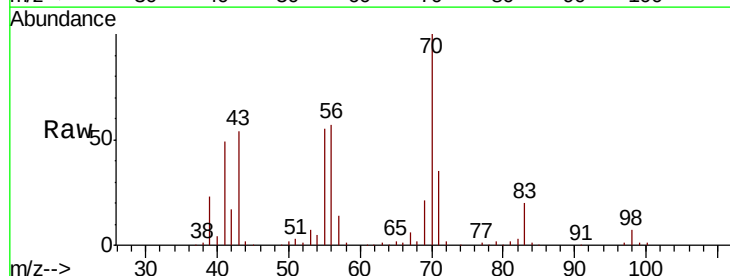
Instrument :
MSVOA_N
ClientSampled :
P-10(4.5-5.0)

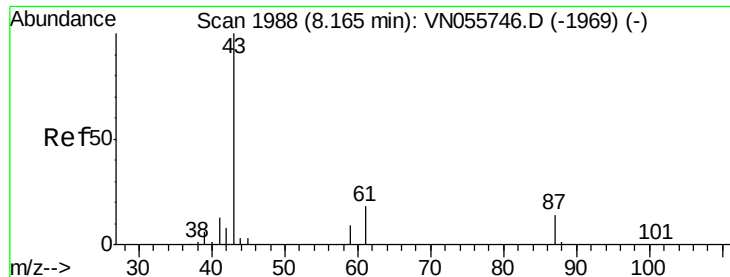
Tot Ion: 41 Resp: 28621
Ion Ratio Lower Upper
41 100
39 49.6 45.6 68.4
67 0.0 67.7 101.5#
52 0.9 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.291 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.03 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion: 62 Resp: 1491
Ion Ratio Lower Upper
62 100
98 1439.6 0.0 20.2#





#43

Isopropyl Acetate

Concen: 24.669 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

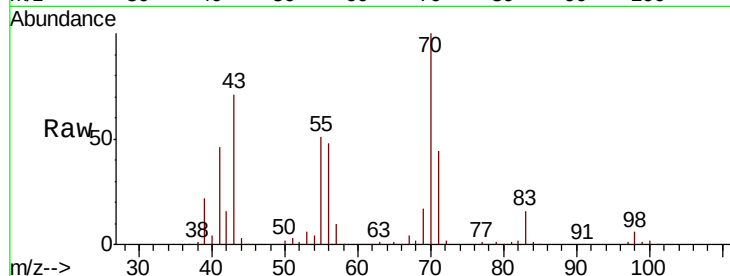
Tot Ion: 43 Resp: 208751

Ion Ratio Lower Upper

43 100

61 0.3 22.2 33.4#

87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

150000

100000

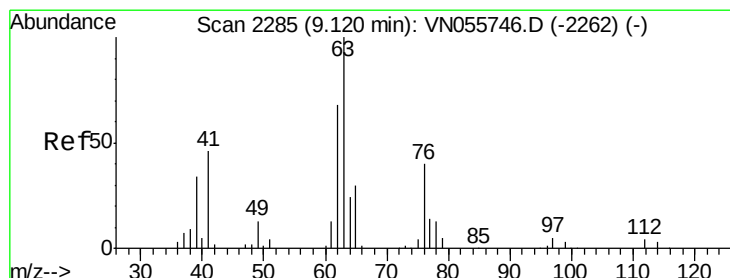
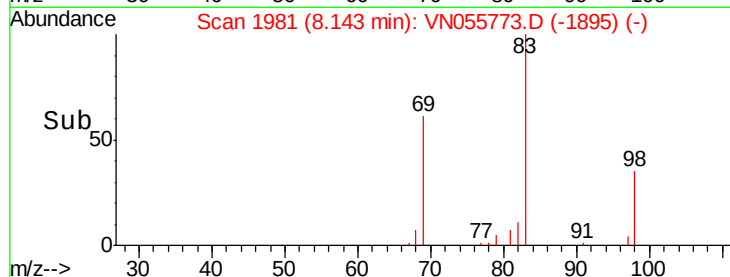
50000

0

8.10

8.14

Time-->



#45

1,2-Dichloropropane

Concen: 0.403 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. 0.02 min

Lab File: VN055773.D

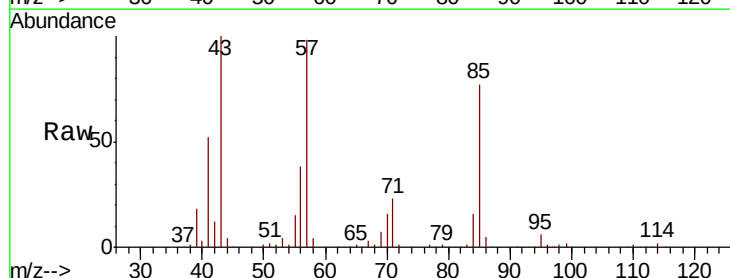
Acq: 23 May 2019 23:27

Tgt Ion: 63 Resp: 1648

Ion Ratio Lower Upper

63 100

65 238.1 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

5000

4000

3000

2000

1000

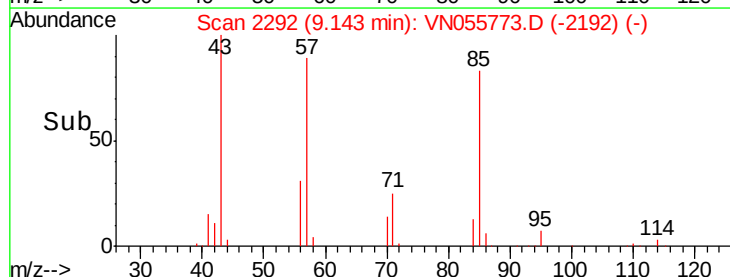
0

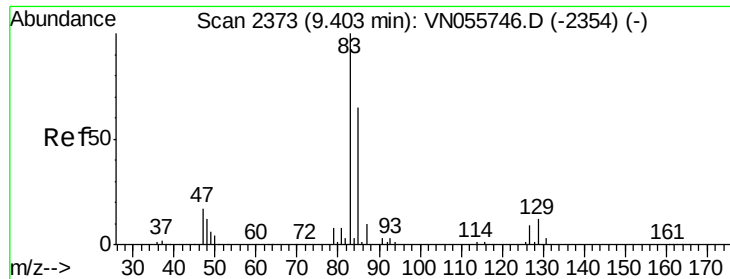
9.10

9.14

9.20

Time-->





#47

Bromodichloromethane

Concen: 34.019 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

P-10(4.5-5.0)

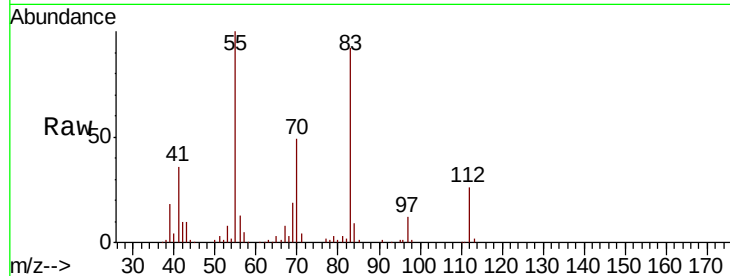
Tot Ion: 83 Resp: 187188

Ion Ratio Lower Upper

83 100

85 0.5 52.2 78.2#

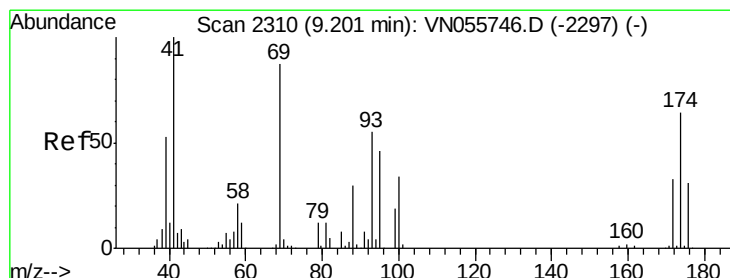
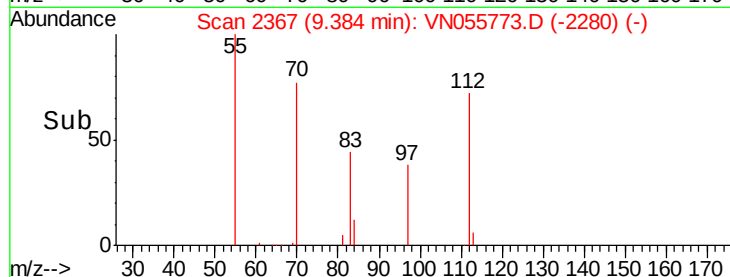
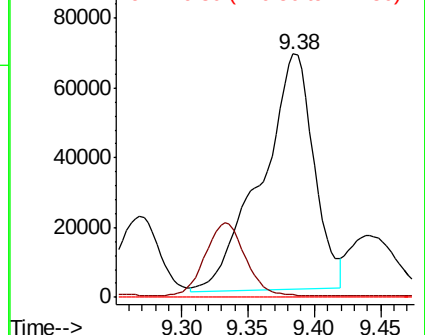
127 0.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 7.438 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

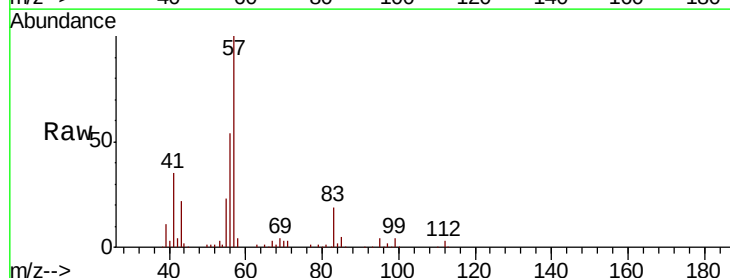
Tgt Ion: 41 Resp: 29008

Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

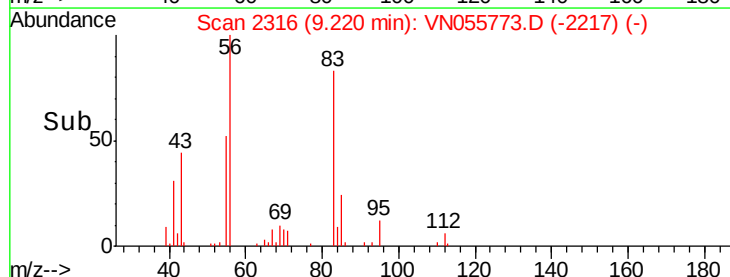
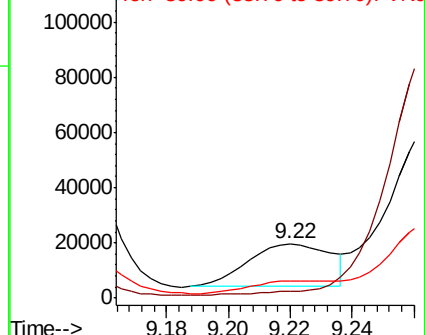
39 0.0 44.2 66.2#

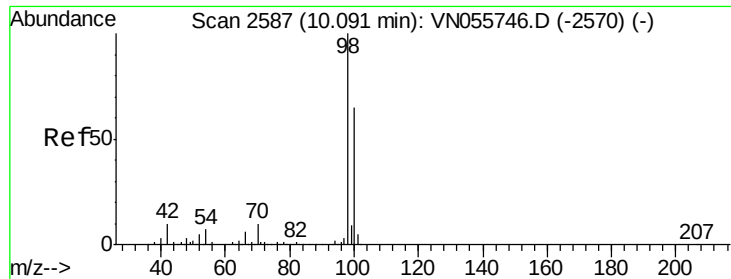


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 52.012 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

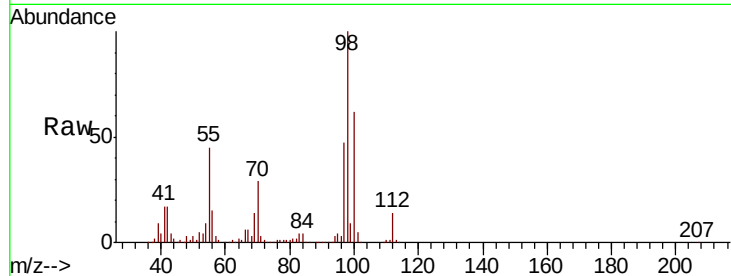
P-10(4.5-5.0)

Tot Ion: 98 Resp: 754266

Ion Ratio Lower Upper

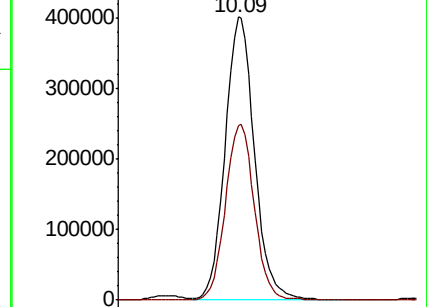
98 100

100 61.6 51.9 77.9

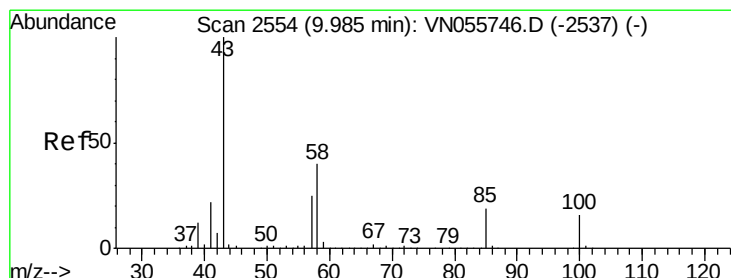
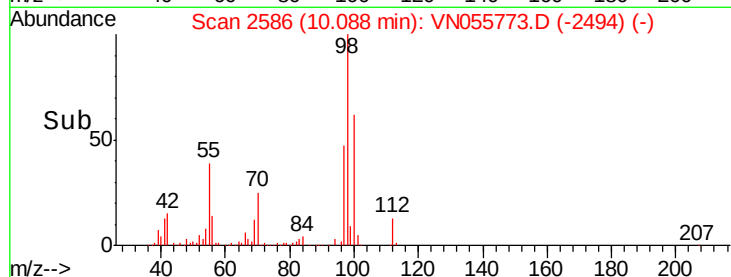


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.838 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN055773.D

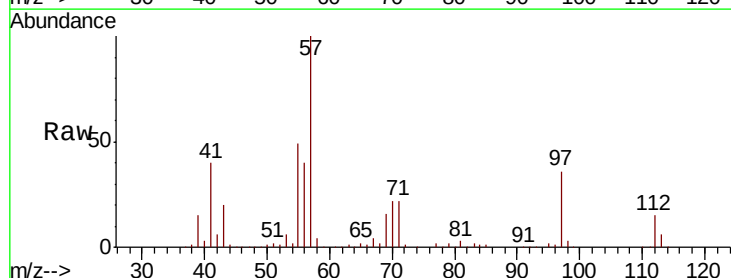
Acq: 23 May 2019 23:27

Tgt Ion: 43 Resp: 79155

Ion Ratio Lower Upper

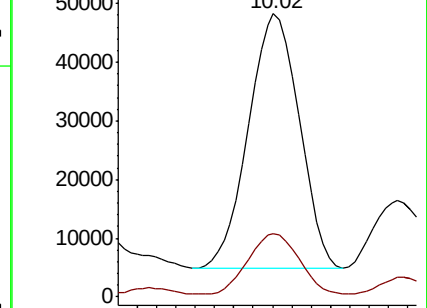
43 100

58 24.0 32.1 48.1#

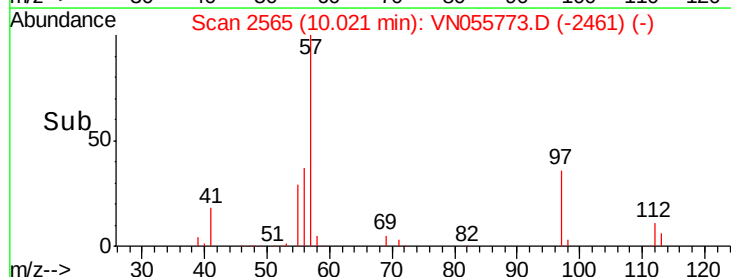


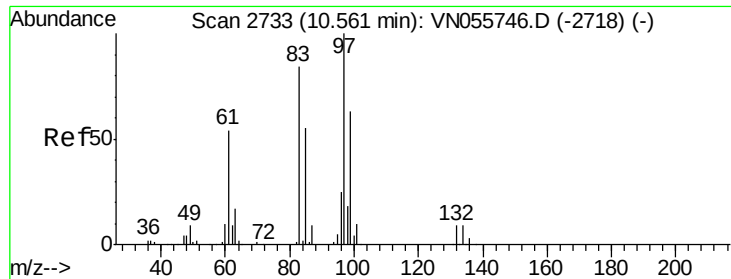
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#55

1,1,2-Trichloroethane

Concen: 73.089 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

P-10(4.5-5.0)

Tot Ion: 97 Resp: 289210

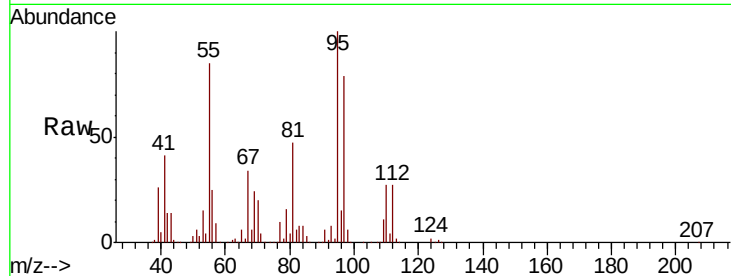
Ion Ratio Lower Upper

97 100

83 3.2 67.0 100.6#

85 3.9 44.0 66.0#

99 0.3 50.6 75.8#

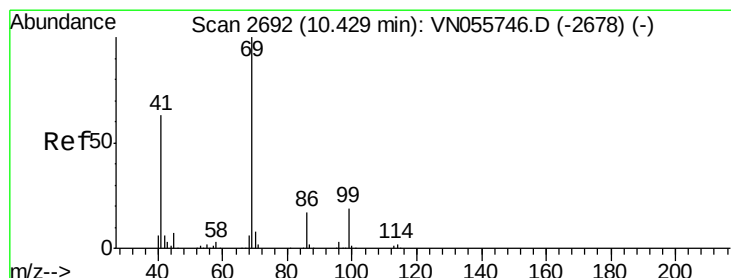
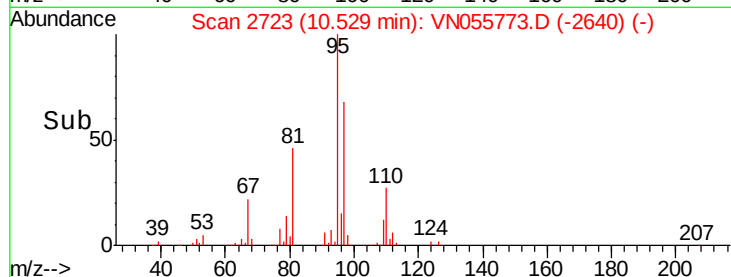
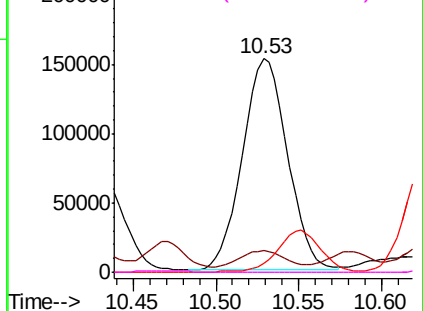


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 11.787 ug/l

RT: 10.47 min Scan# 2705

Delta R.T. 0.04 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

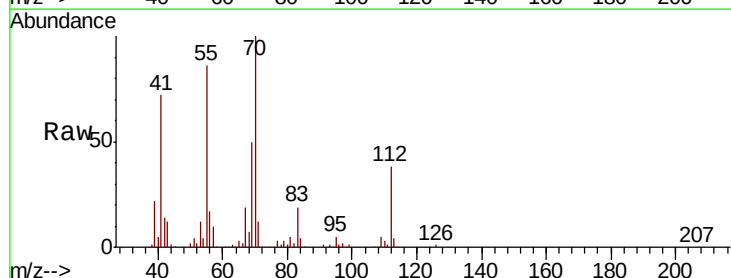
Tgt Ion: 69 Resp: 72081

Ion Ratio Lower Upper

69 100

41 176.0 49.7 74.5#

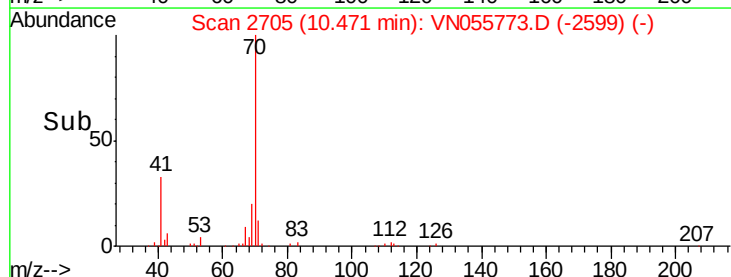
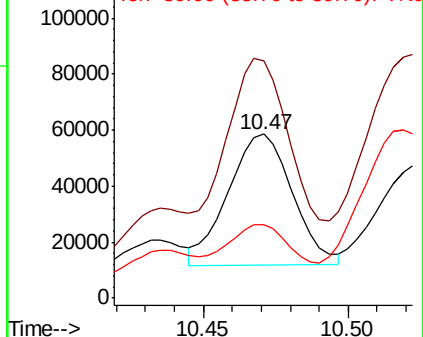
39 47.1 24.7 37.1#

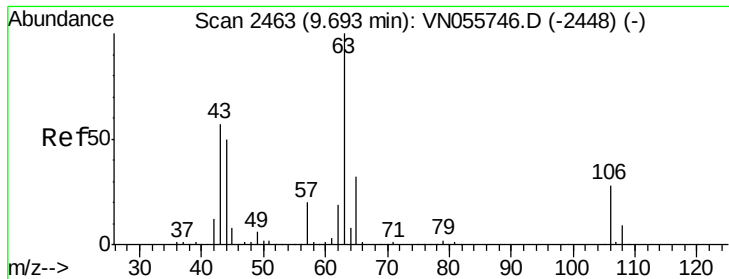


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

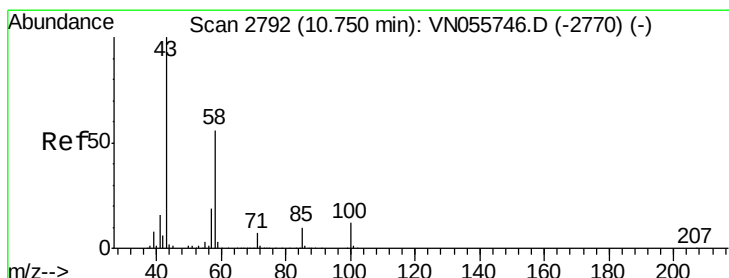
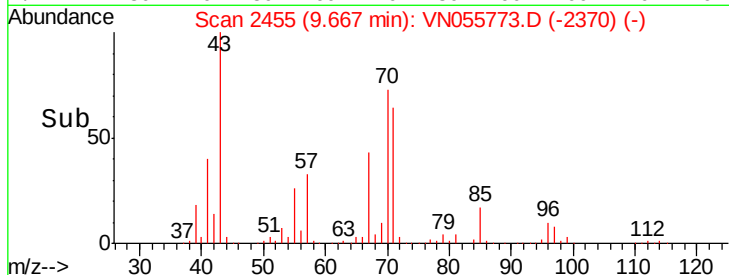
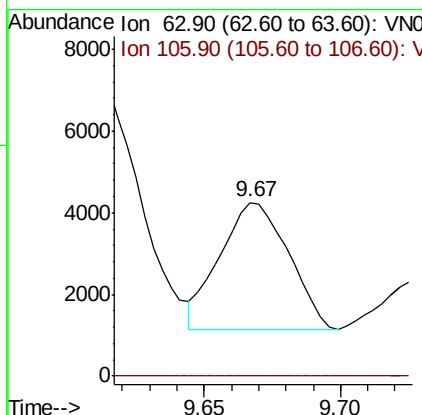
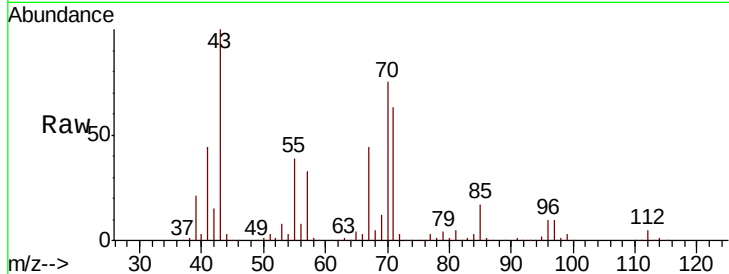




#58
 2-Chloroethyl vinyl ether
 Concen: 2.325 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. -0.03 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

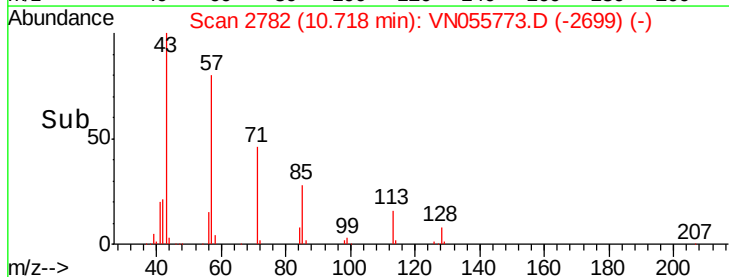
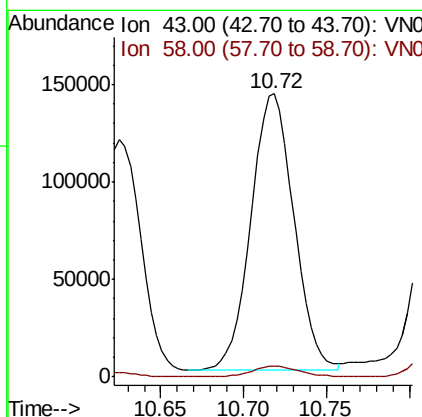
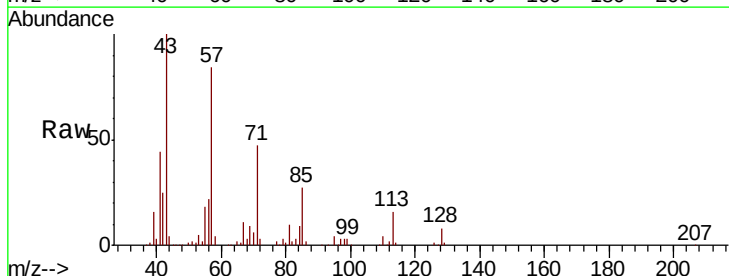
Instrument :
 MSVOA_N
 ClientSampleId :
 P-10(4.5-5.0)

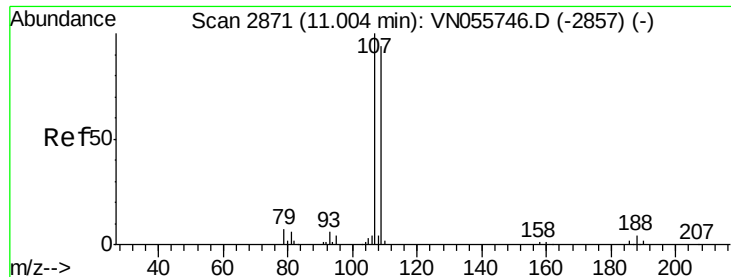
Tot Ion: 63 Resp: 5434
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#



#59
 2-Hexanone
 Concen: 72.290 ug/l
 RT: 10.72 min Scan# 2782
 Delta R.T. -0.03 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Tgt Ion: 43 Resp: 256299
 Ion Ratio Lower Upper
 43 100
 58 4.6 28.2 84.7#

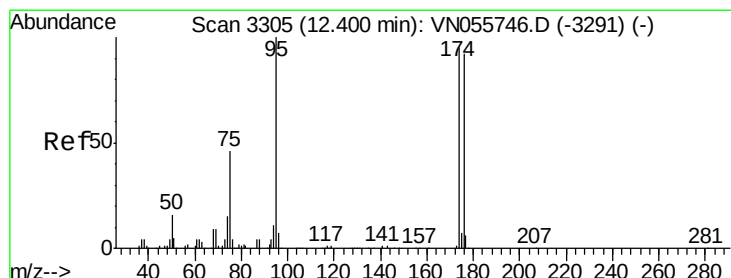
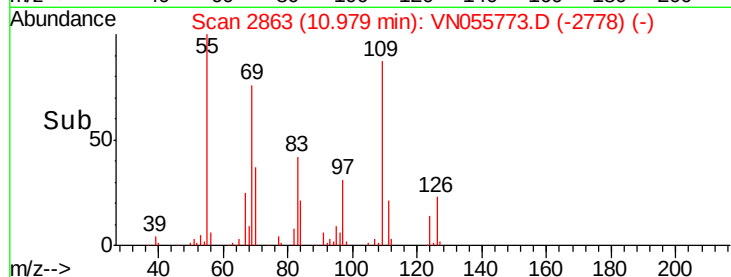
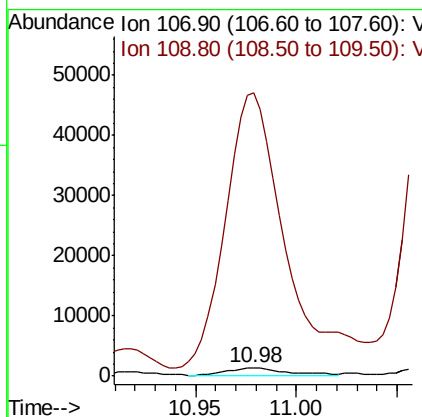
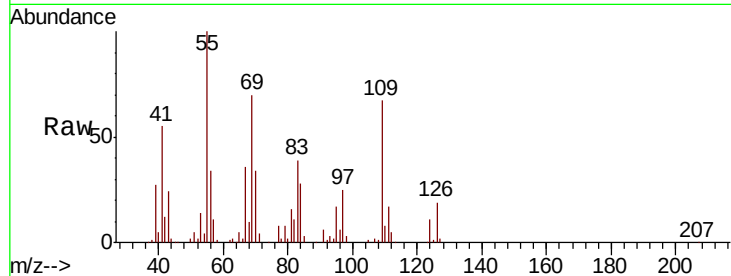




#61
 1,2-Dibromoethane
 Concen: 0.570 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.03 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

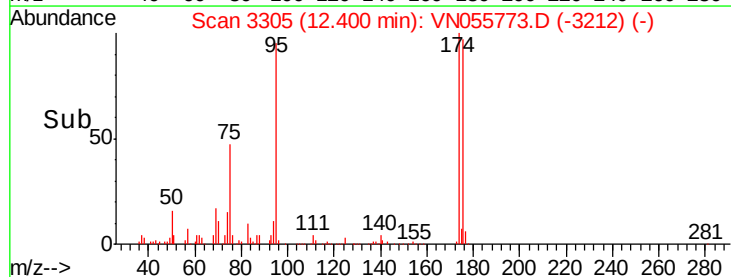
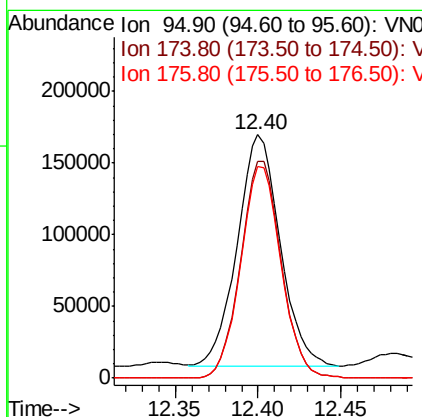
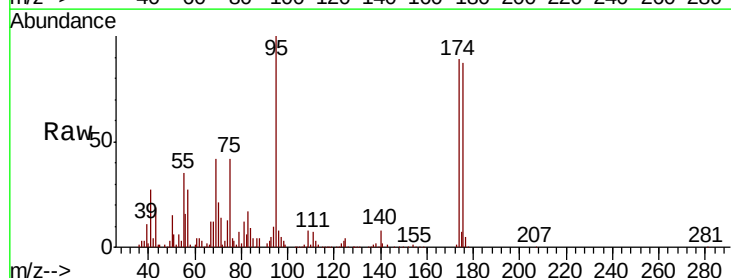
Instrument :
 MSVOA_N
 ClientSampled :
 P-10(4.5-5.0)

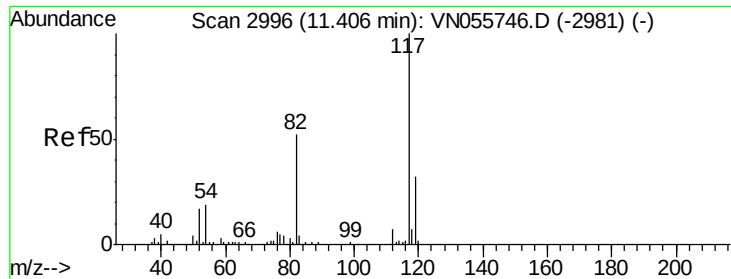
Tot Ion:107 Resp: 2341
 Ion Ratio Lower Upper
 107 100
 109 4066.6 74.8 112.2#



#62
 4-Bromofluorobenzene
 Concen: 58.264 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Tgt Ion: 95 Resp: 289716
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 191.0
 176 86.5 0.0 185.2

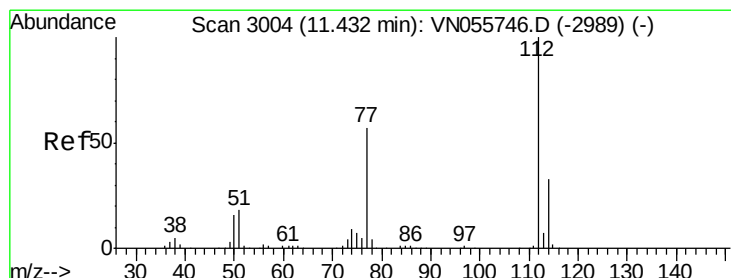
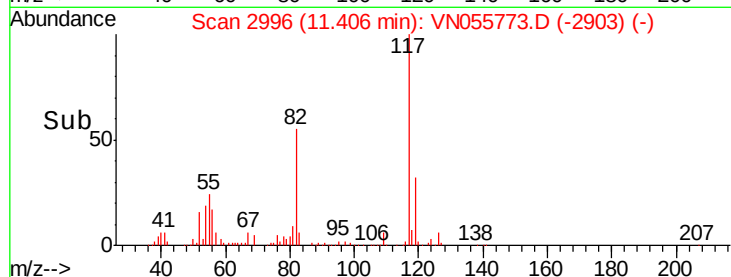
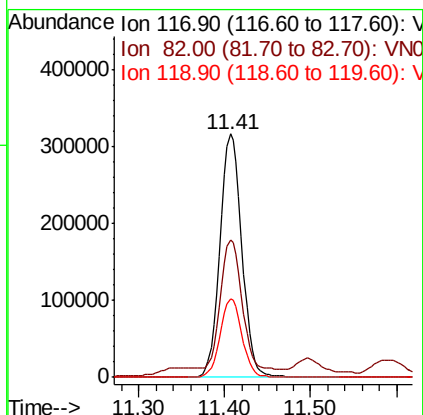
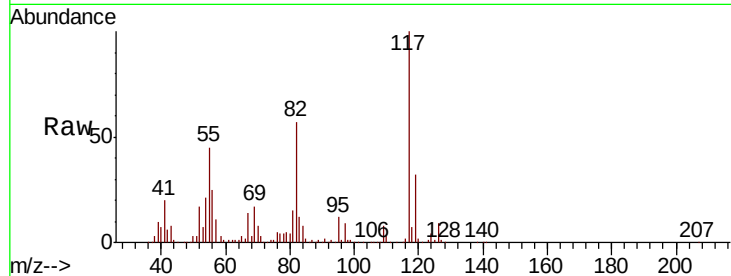




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

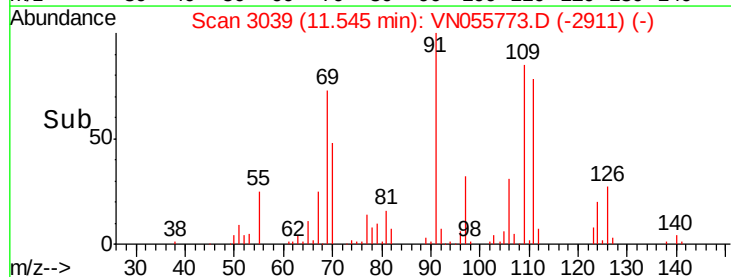
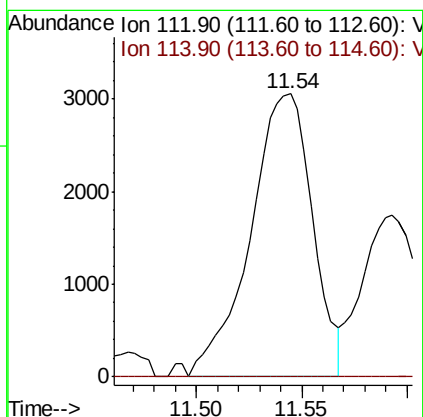
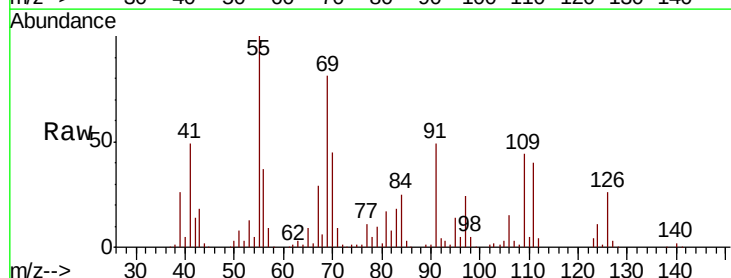
Instrument :
MSVOA_N
ClientSampleId :
P-10(4.5-5.0)

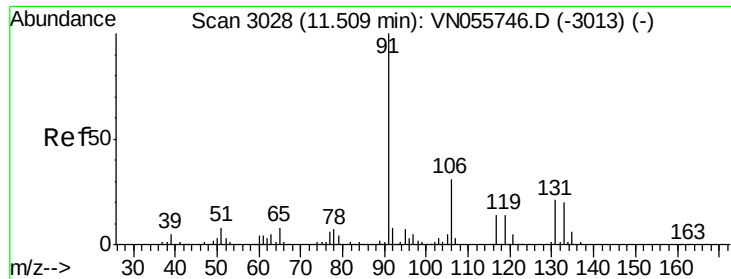
Tot Ion:117 Resp: 559359
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.8
119 32.2 25.4 38.0



#65
Chlorobenzene
Concen: 0.559 ug/l
RT: 11.54 min Scan# 3039
Delta R.T. 0.11 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion:112 Resp: 6261
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.4#

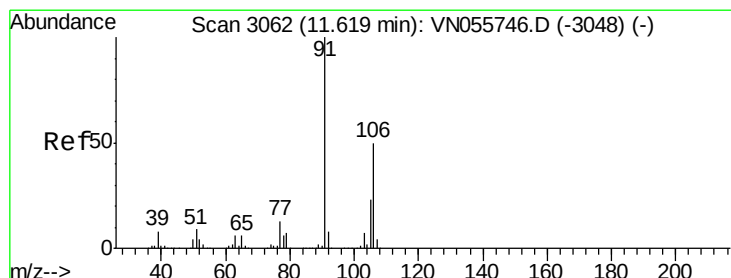
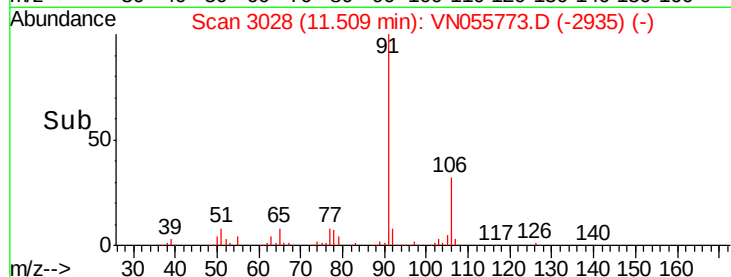
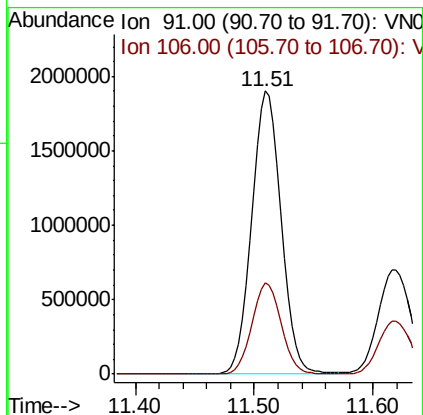
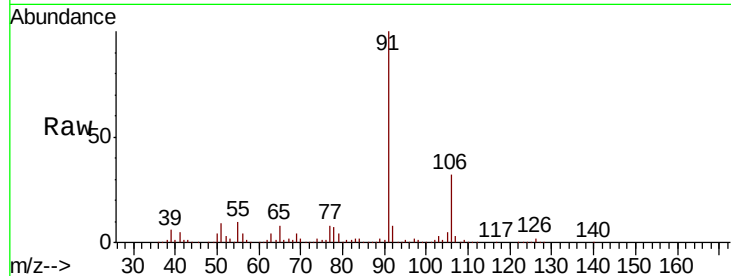




#67
Ethyl Benzene
Concen: 161.933 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

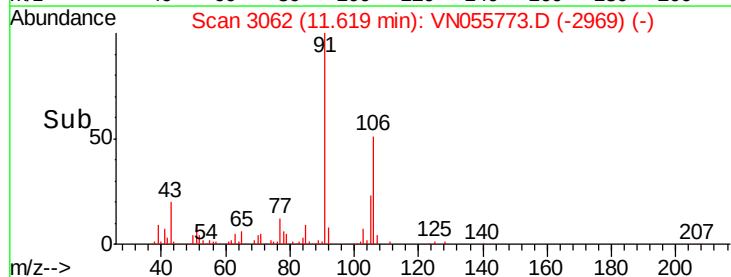
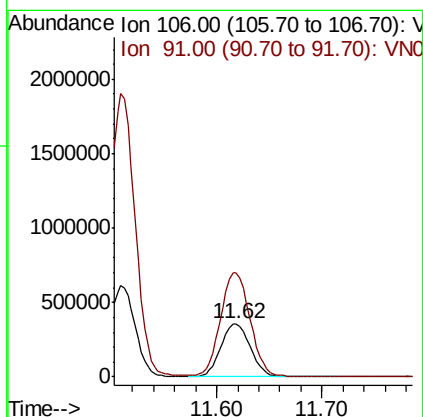
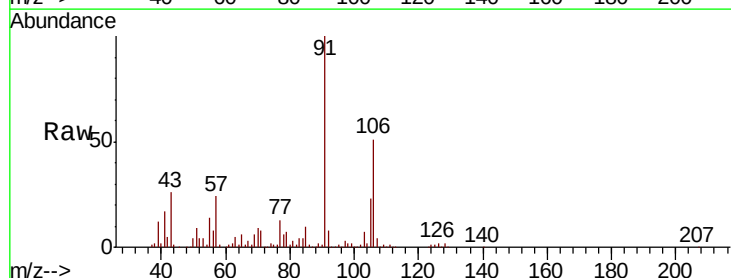
Instrument :
MSVOA_N
ClientSampled :
P-10(4.5-5.0)

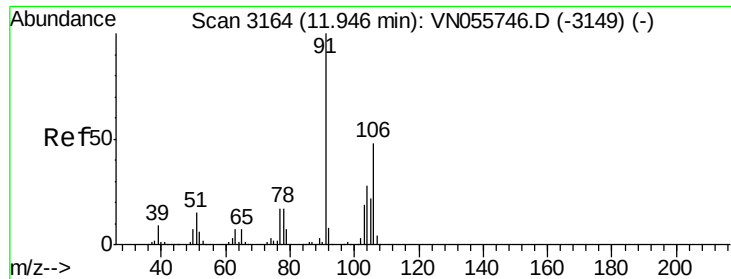
Tot Ion: 91 Resp: 3251746
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 90.769 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion: 106 Resp: 689071
Ion Ratio Lower Upper
106 100
91 196.0 159.3 238.9

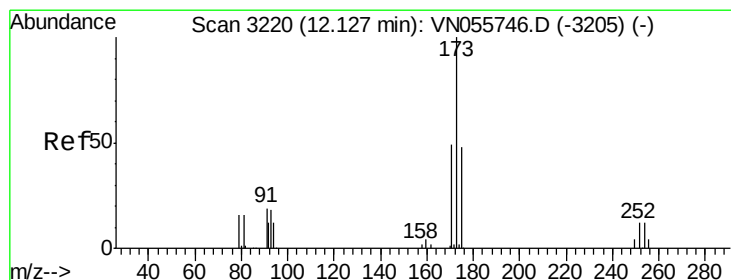
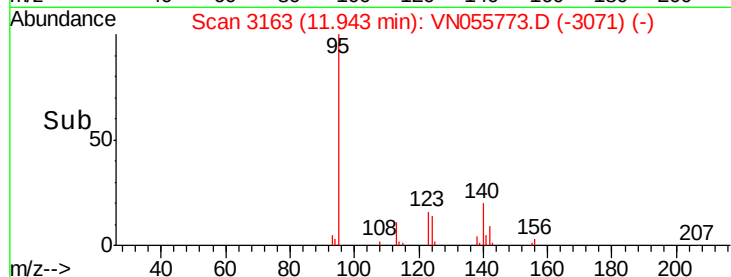
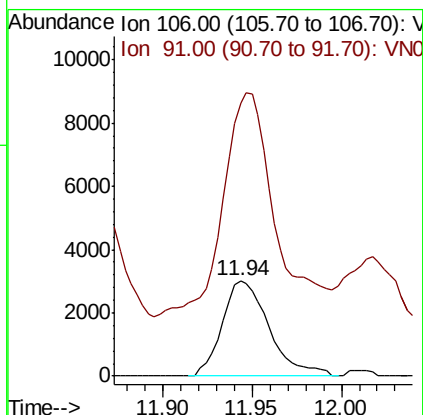
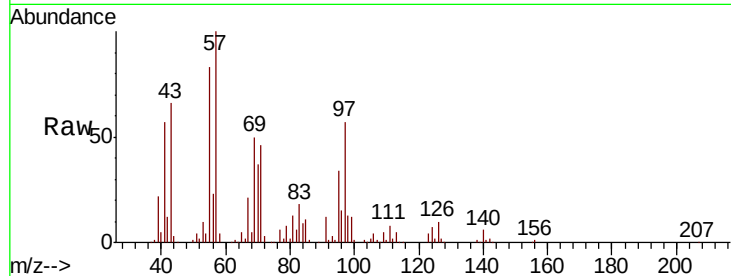




#69
o-Xylene
Concen: 0.730 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

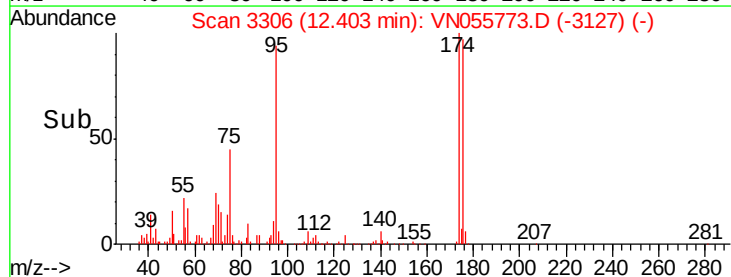
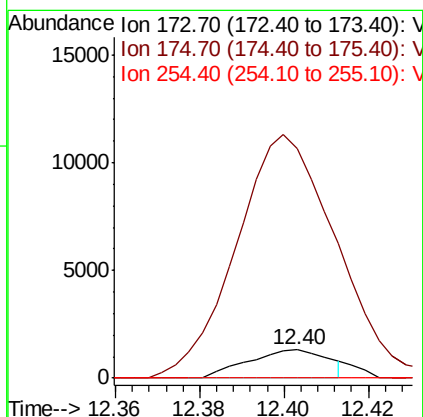
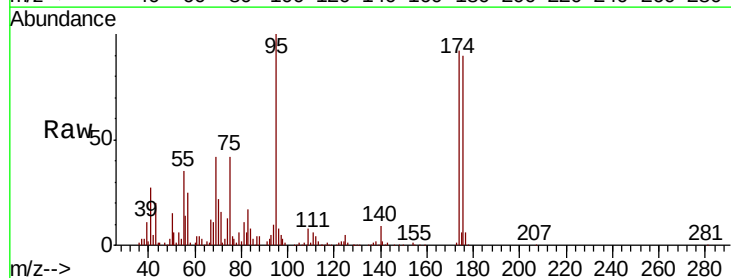
Instrument :
MSVOA_N
ClientSampled :
P-10(4.5-5.0)

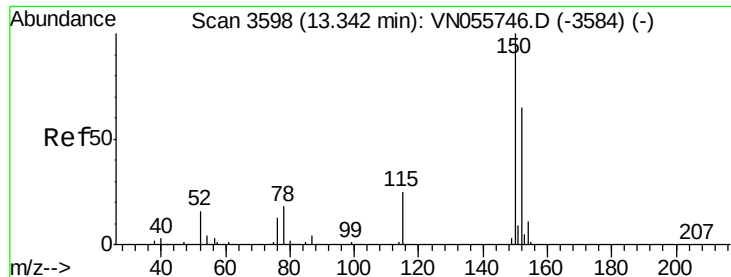
Tot Ion:106 Resp: 5500
Ion Ratio Lower Upper
106 100
91 269.2 104.7 314.1



#71
Bromoform
Concen: 0.459 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion:173 Resp: 1750
Ion Ratio Lower Upper
173 100
175 939.9 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: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

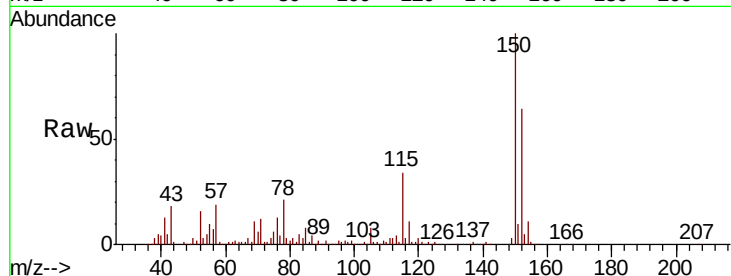
Tot Ion:152 Resp: 279233

Ion Ratio Lower Upper

152 100

115 54.3 27.0 81.0

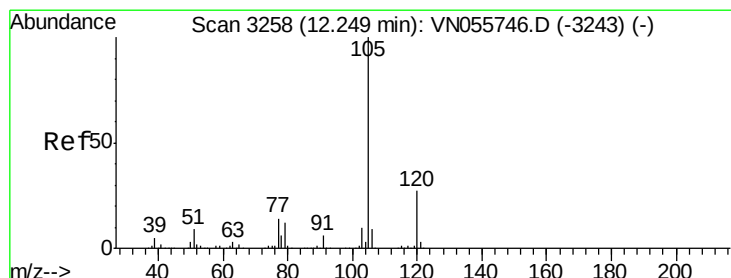
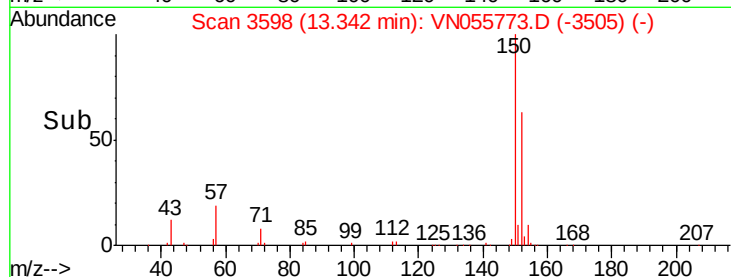
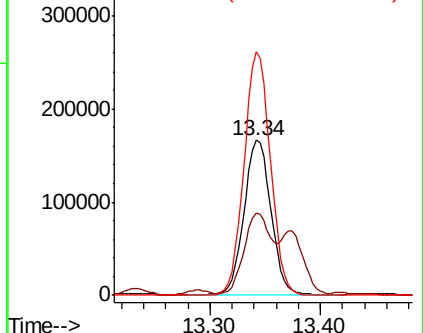
150 153.9 0.0 343.2



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: 98.473 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055773.D

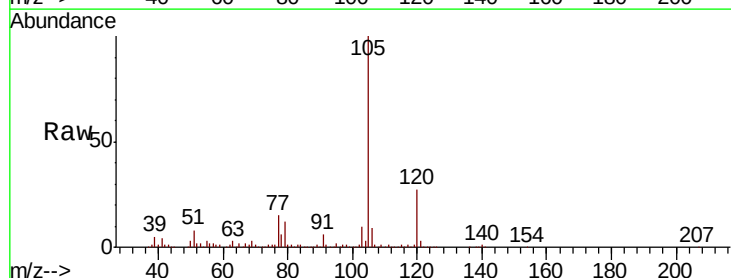
Acq: 23 May 2019 23:27

Tgt Ion:105 Resp: 1904596

Ion Ratio Lower Upper

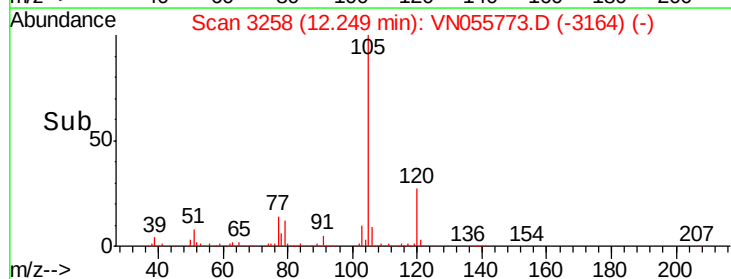
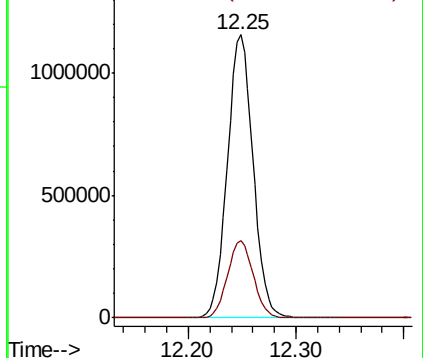
105 100

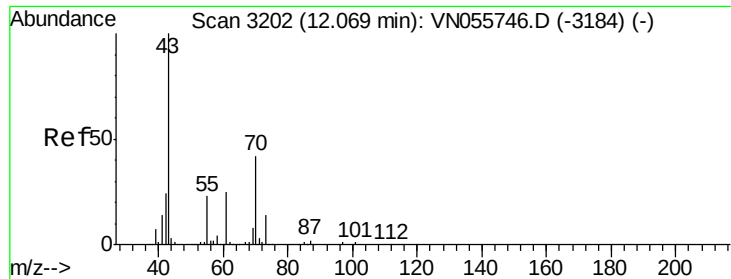
120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 15.784 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

P-10(4.5-5.0)

Tot Ion: 43 Resp: 131142

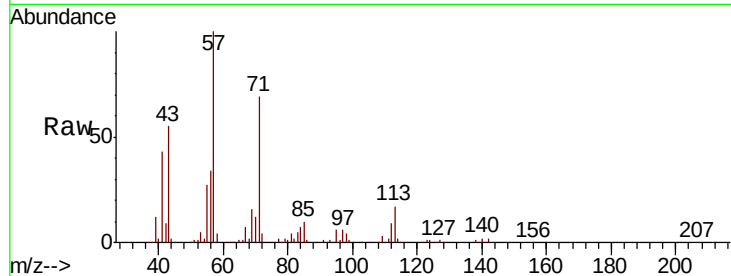
Ion Ratio Lower Upper

43 100

70 12.4 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

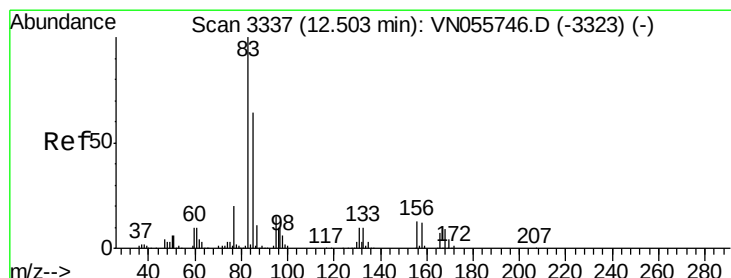
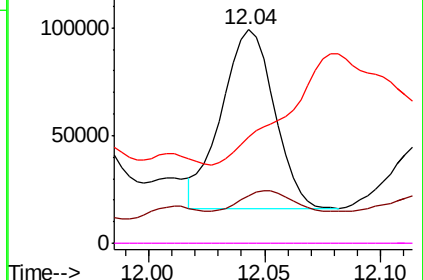
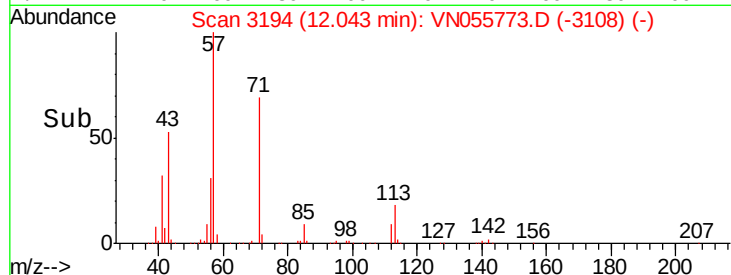


Abundance Ion 43.00 (42.70 to 43.70): VN0

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# 3332

Delta R.T. -0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

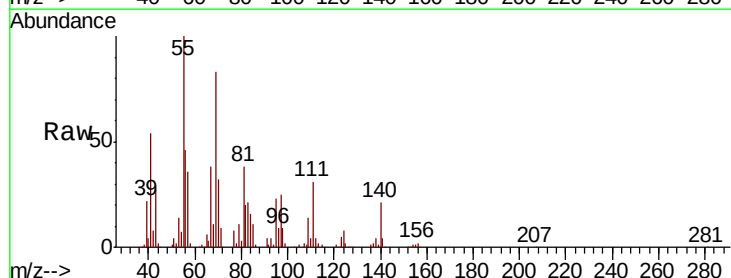
Tgt Ion: 83 Resp: 8293

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

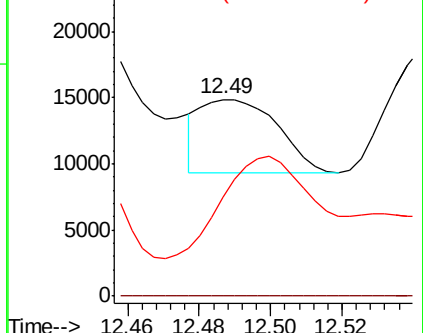
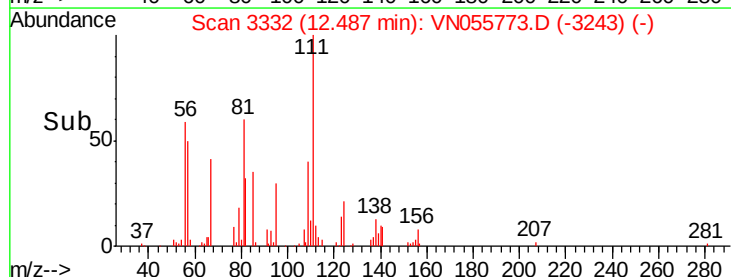
85 166.1 32.4 97.0#

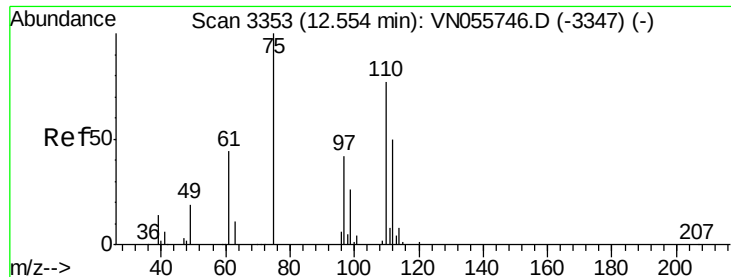


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

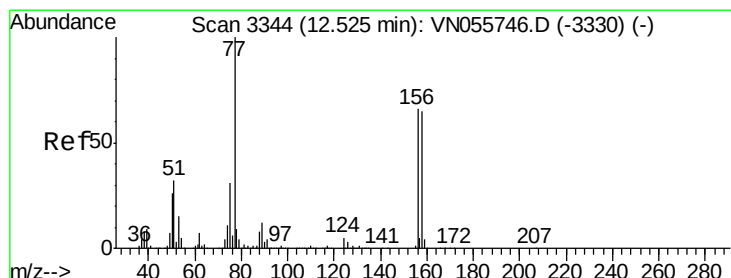
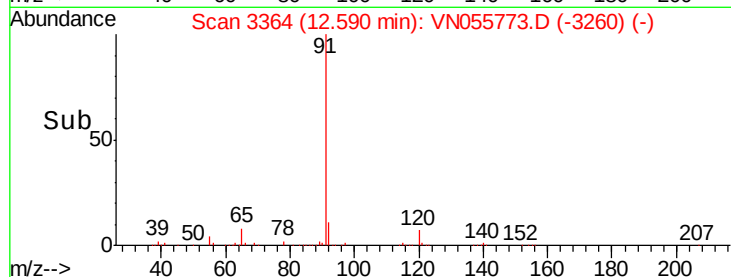
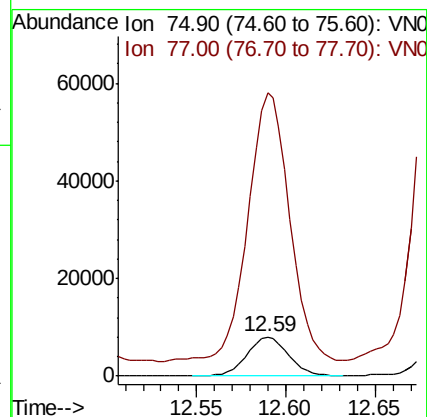
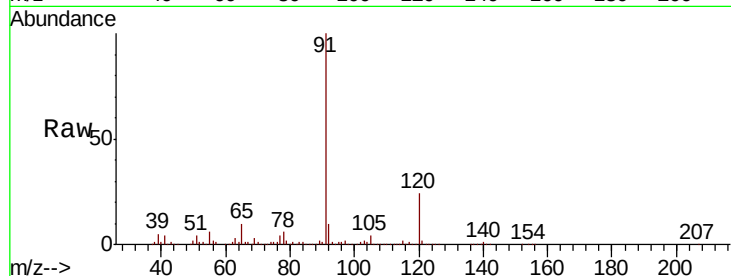
P-10(4.5-5.0)

Tot Ion: 75 Resp: 13089

Ion Ratio Lower Upper

75 100

77 687.8 0.0 0.0#



#77

Bromobenzene

Concen: 0.526 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.03 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

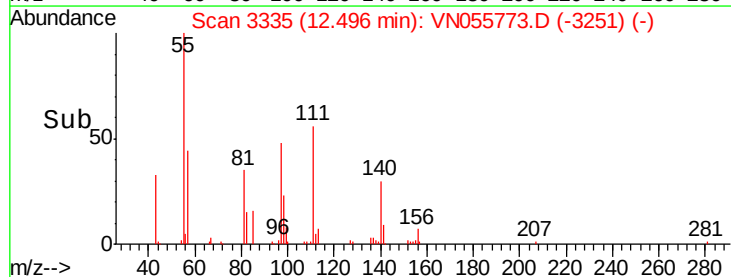
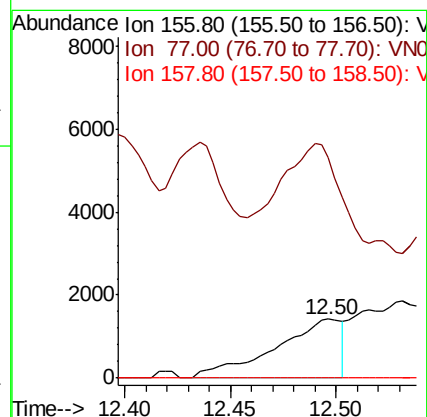
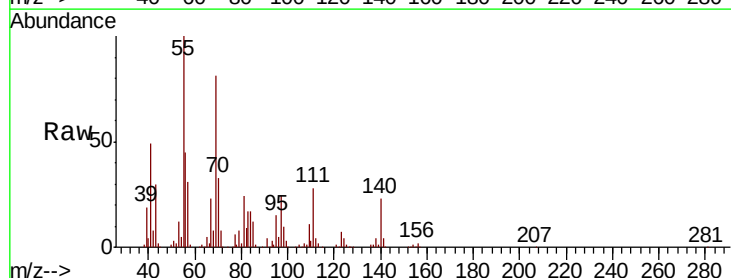
Tgt Ion: 156 Resp: 3137

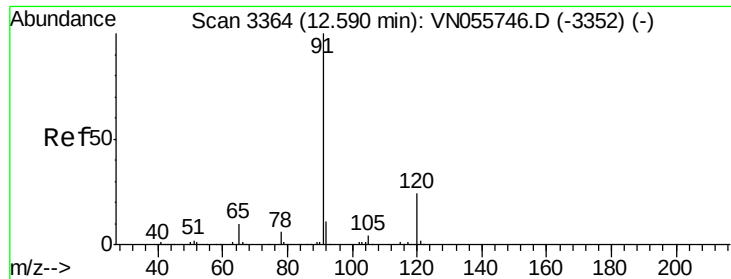
Ion Ratio Lower Upper

156 100

77 0.0 90.8 272.5#

158 0.0 49.3 147.8#





#78

n-propylbenzene

Concen: 98.536 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

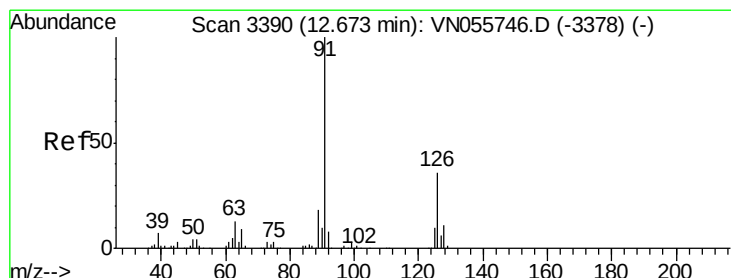
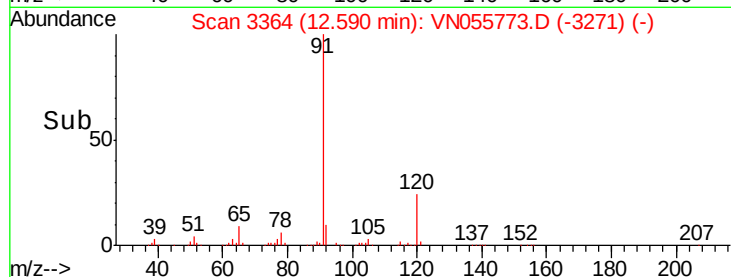
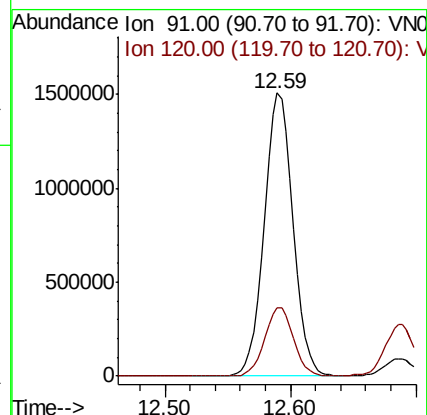
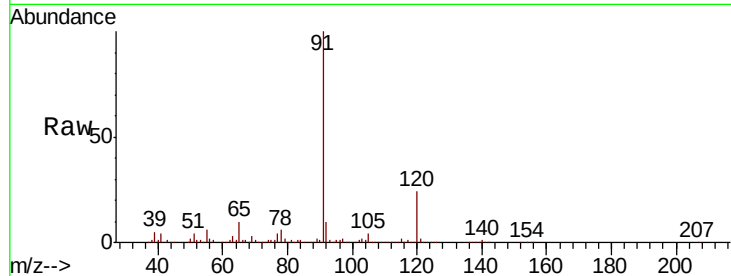
P-10(4.5-5.0)

Tot Ion: 91 Resp: 2391377

Ion Ratio Lower Upper

91 100

120 24.3 12.0 36.0



#79

2-Chlorotoluene

Concen: 9.533 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN055773.D

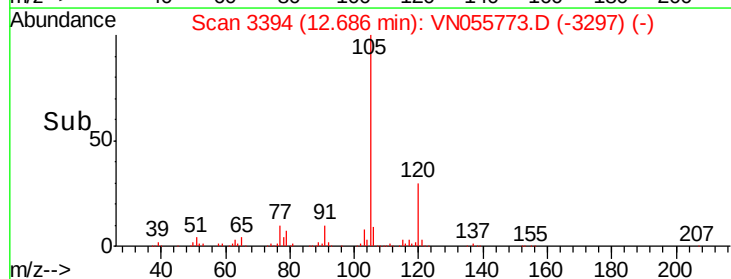
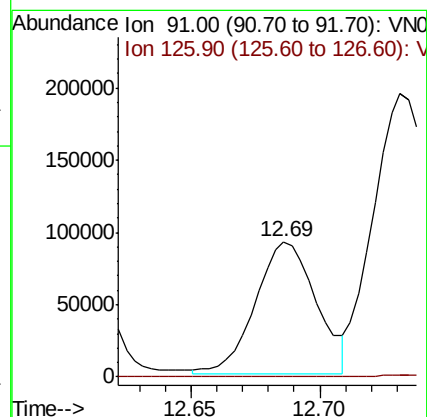
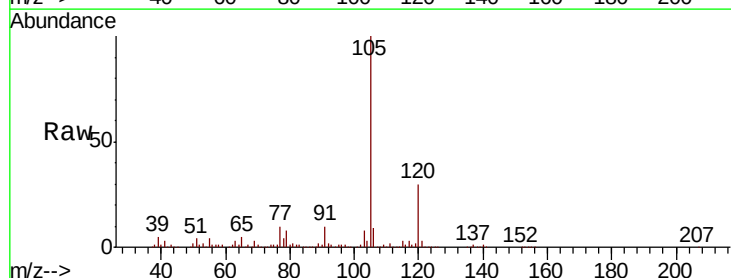
Acq: 23 May 2019 23:27

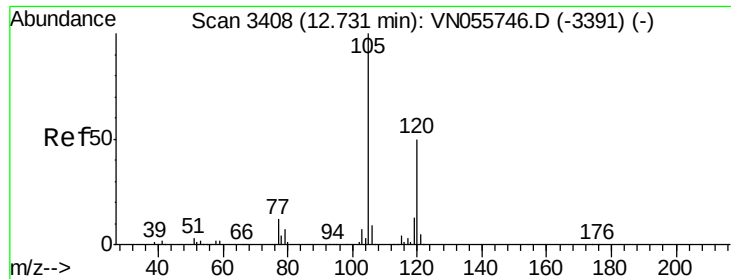
Tgt Ion: 91 Resp: 151594

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#

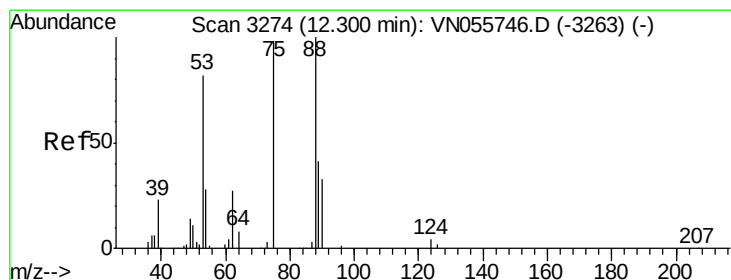
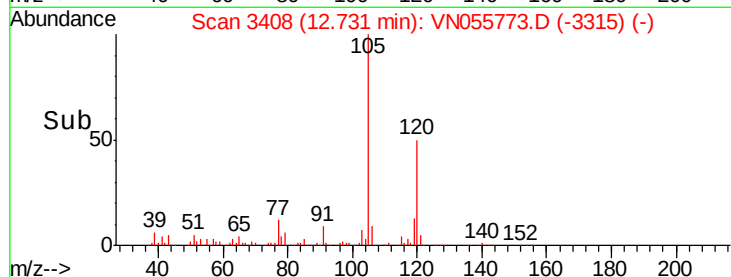
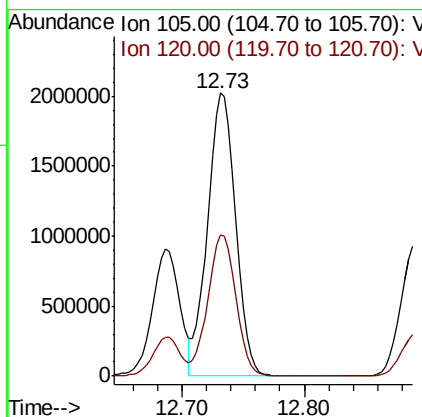
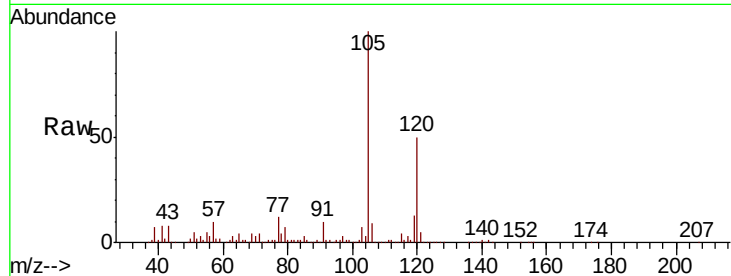




#80
 1,3,5-Trimethylbenzene
 Concen: 202.676 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

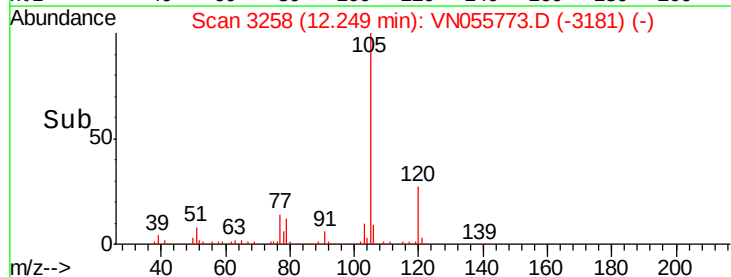
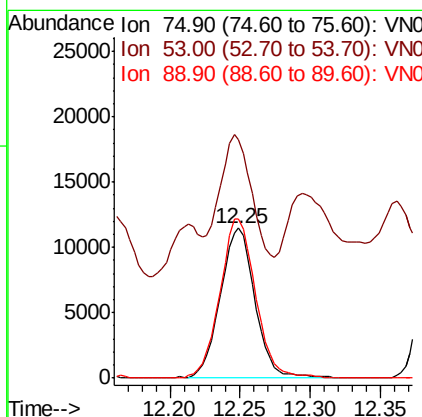
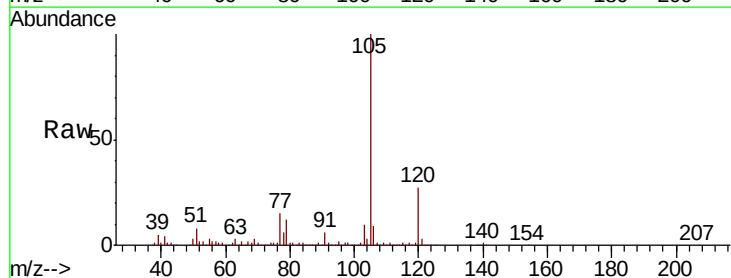
Instrument :
 MSVOA_N
 ClientSampled :
 P-10(4.5-5.0)

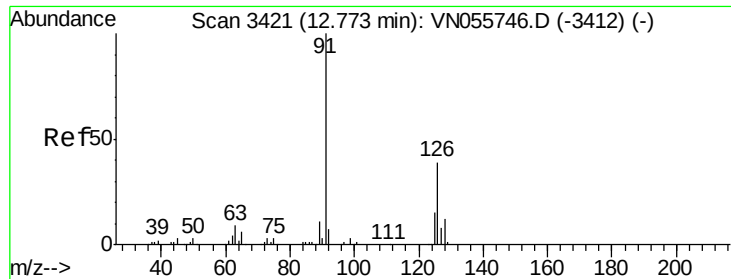
Tot Ion:105 Resp: 3257896
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.464 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Tgt Ion: 75 Resp: 19641
 Ion Ratio Lower Upper
 75 100
 53 79.2 68.1 102.1
 89 109.5 36.9 55.3#





#82

4-Chlorotoluene

Concen: 21.595 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

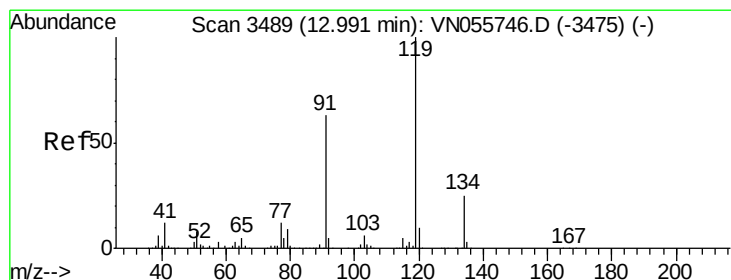
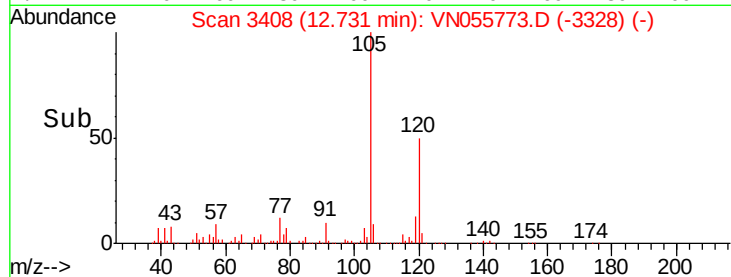
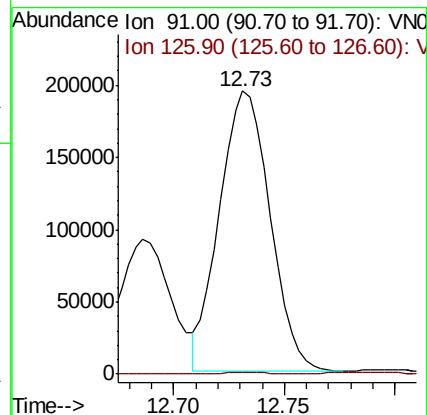
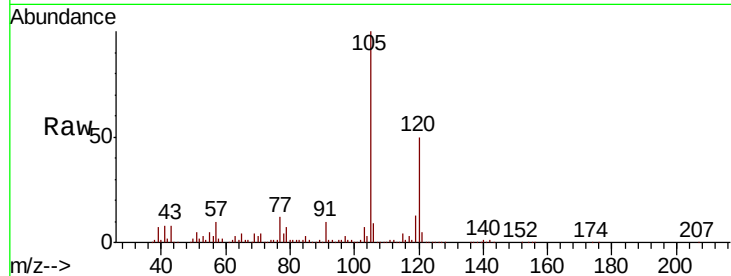
P-10(4.5-5.0)

Tot Ion: 91 Resp: 308073

Ion Ratio Lower Upper

91 100

126 0.5 17.8 53.3#



#83

tert-Butylbenzene

Concen: 101.291 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

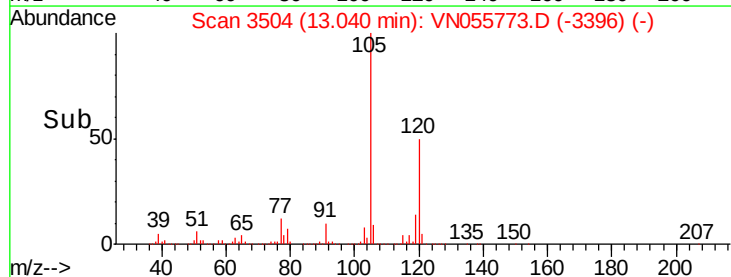
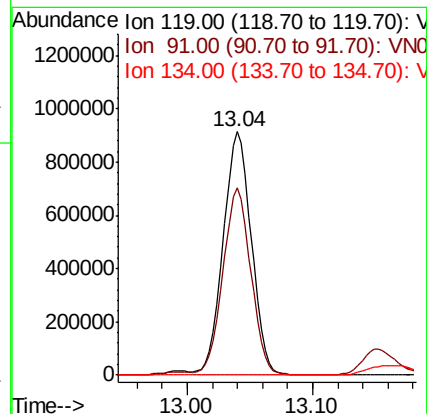
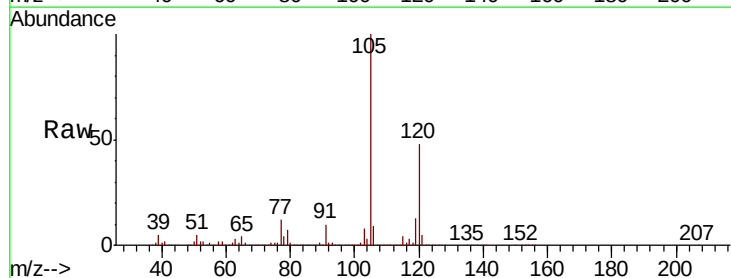
Tgt Ion: 119 Resp: 1418995

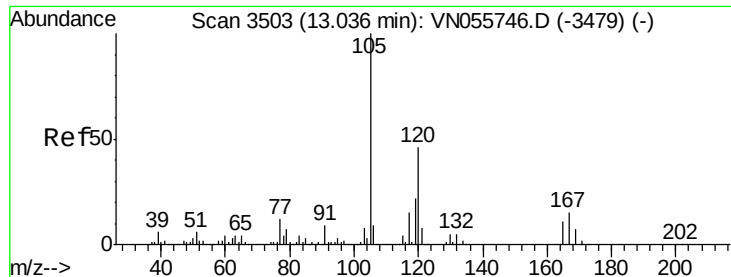
Ion Ratio Lower Upper

119 100

91 75.6 30.9 92.8

134 0.0 13.3 39.8#

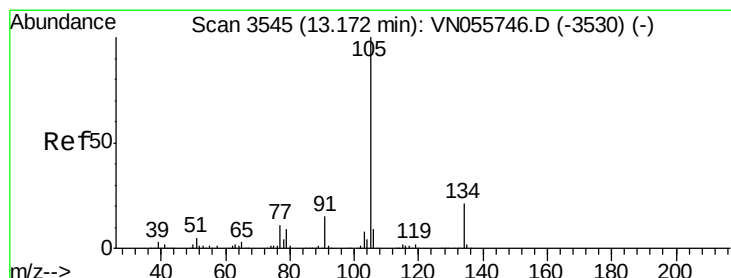
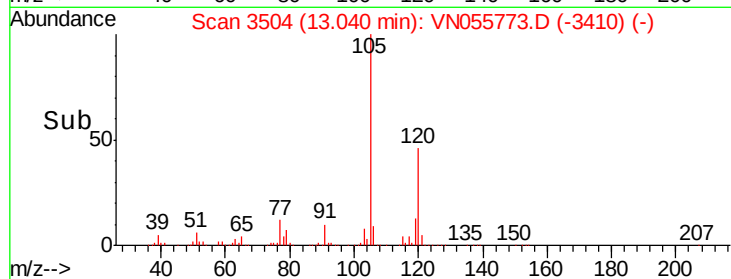
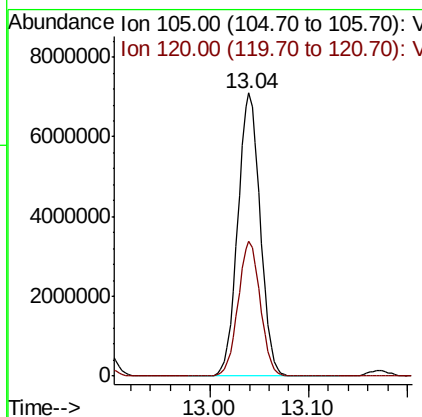
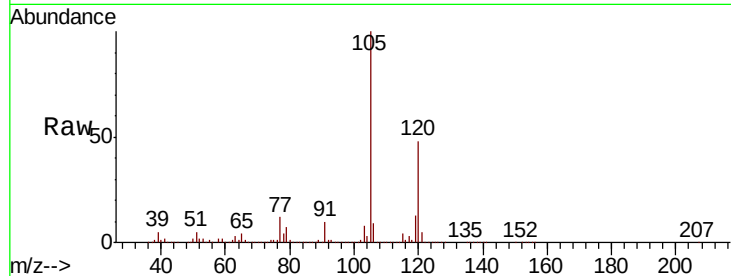




#84
 1,2,4-Trimethylbenzene
 Concen: 694.716 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

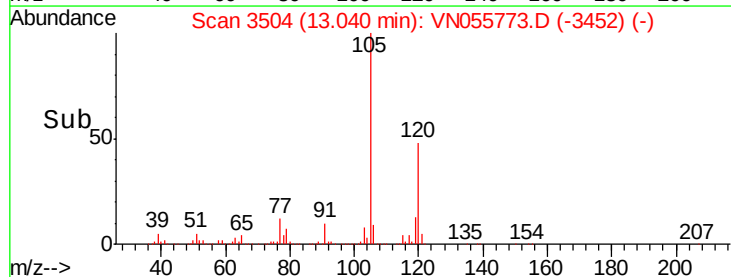
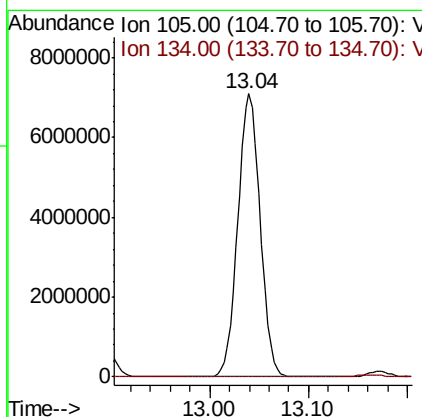
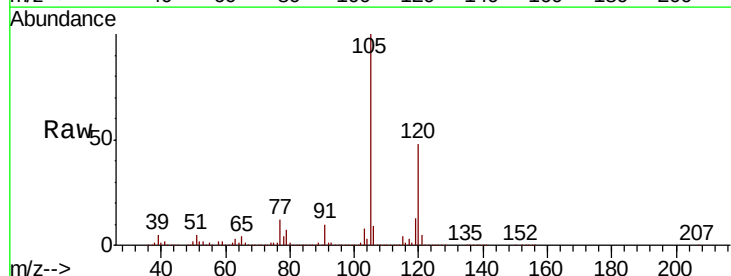
Instrument :
 MSVOA_N
 ClientSampleId :
 P-10(4.5-5.0)

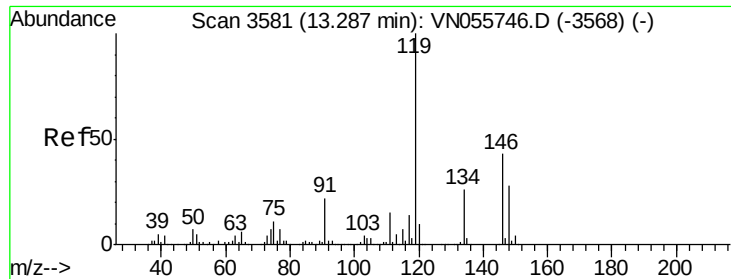
Tot Ion:105 Resp:11092199
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 616.867 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Tgt Ion:105 Resp:11092199
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

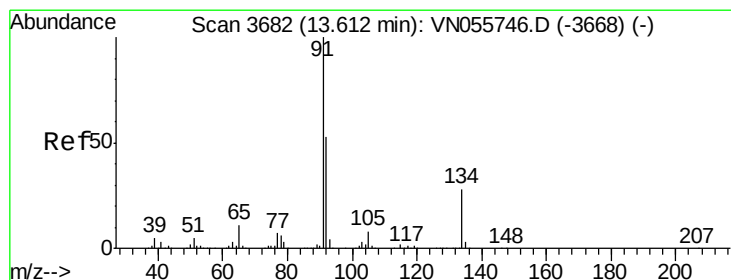
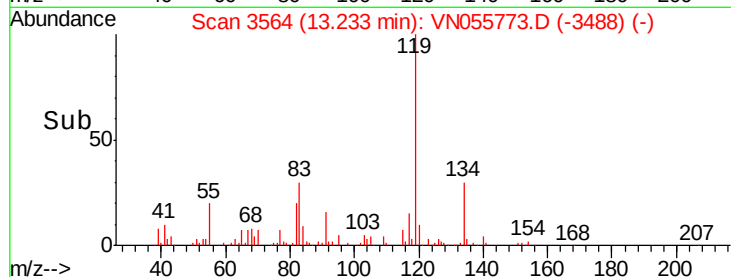
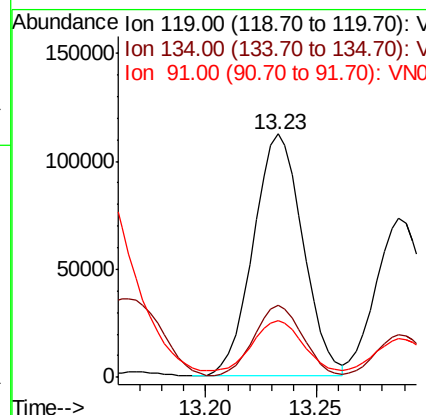
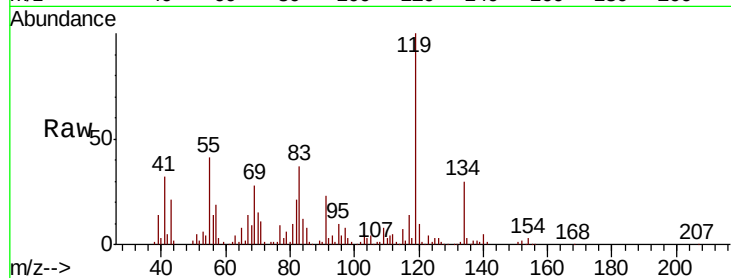




#86
p-Isopropyltoluene
Concen: 9.072 ug/l
RT: 13.23 min Scan# 3564
Delta R.T. -0.05 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

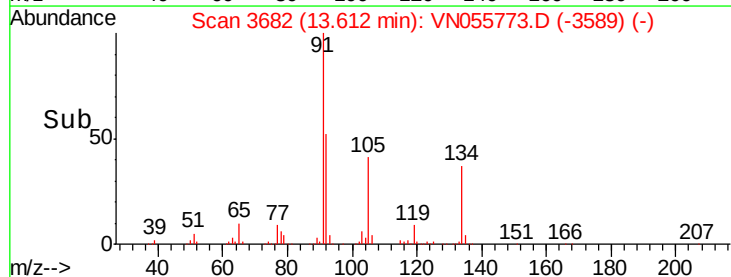
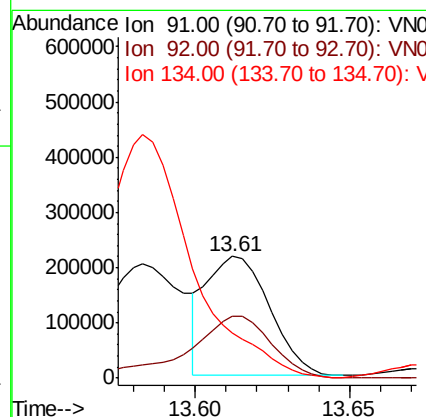
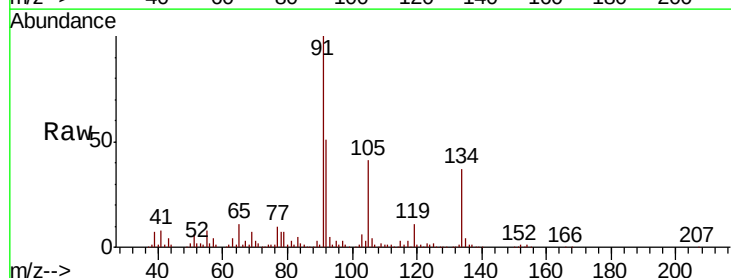
Instrument :
MSVOA_N
ClientSampled :
P-10(4.5-5.0)

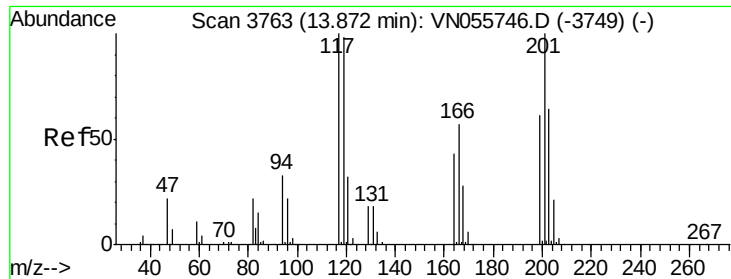
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.6	13.4	40.1
91	20.5	10.9	32.9



#89
n-Butylbenzene
Concen: 20.737 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	69.2	26.4	79.0
134	0.0	13.9	41.7#





#90

Hexachloroethane

Concen: 40.105 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

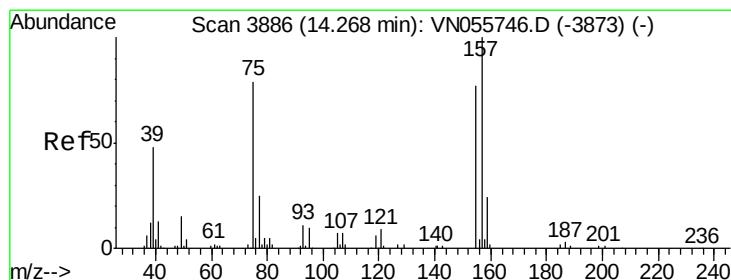
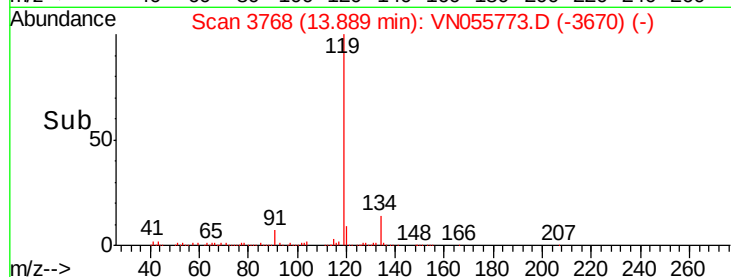
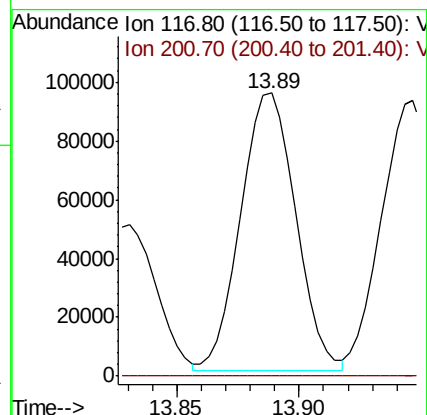
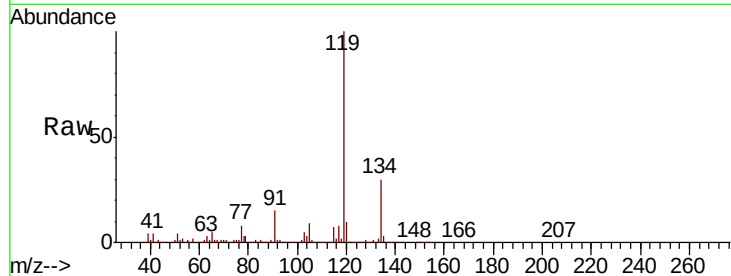
P-10(4.5-5.0)

Tot Ion:117 Resp: 148029

Ion Ratio Lower Upper

117 100

201 0.0 50.0 150.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.256 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

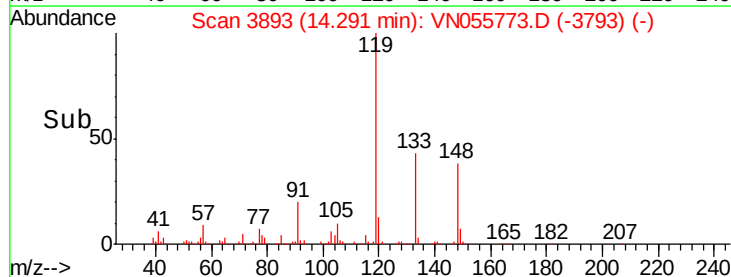
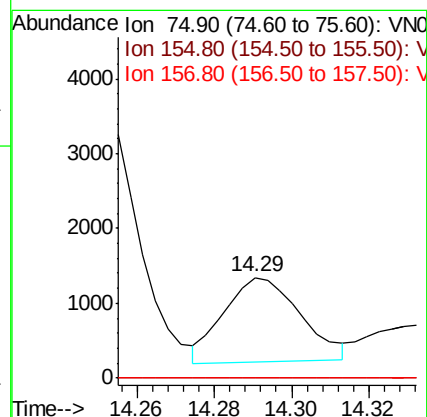
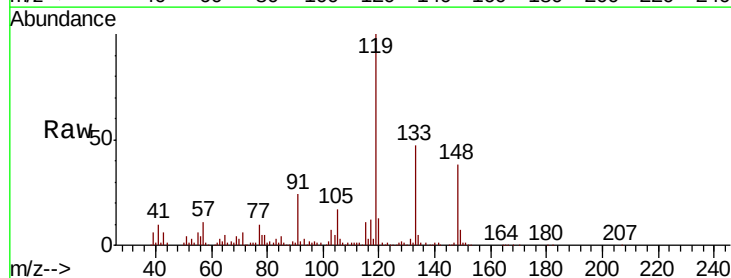
Tgt Ion: 75 Resp: 1554

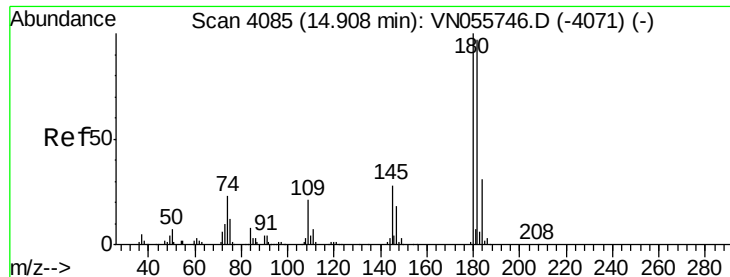
Ion Ratio Lower Upper

75 100

155 0.0 50.0 150.1#

157 0.0 64.8 194.3#





#93

1,2,4-Trichlorobenzene

Concen: 3.878 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

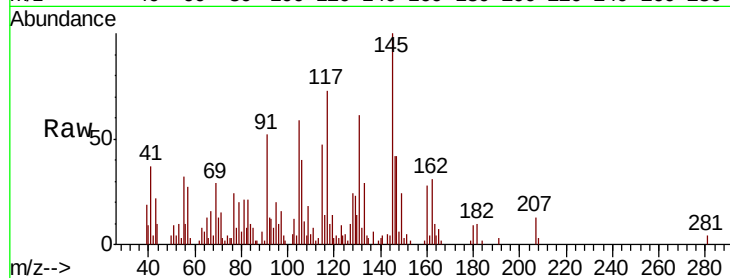
Tot Ion:180 Resp: 1407

Ion Ratio Lower Upper

180 100

182 130.8 48.3 144.9

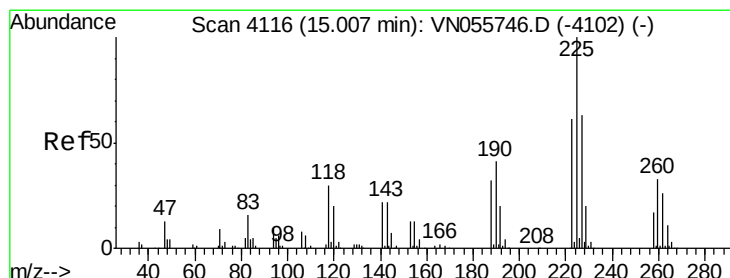
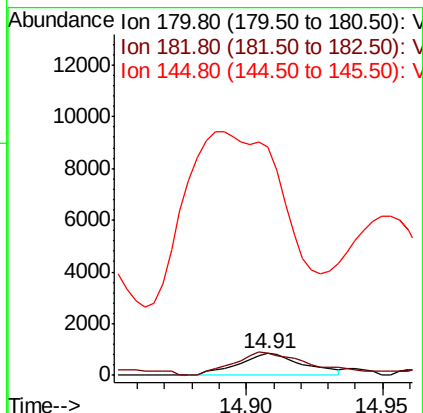
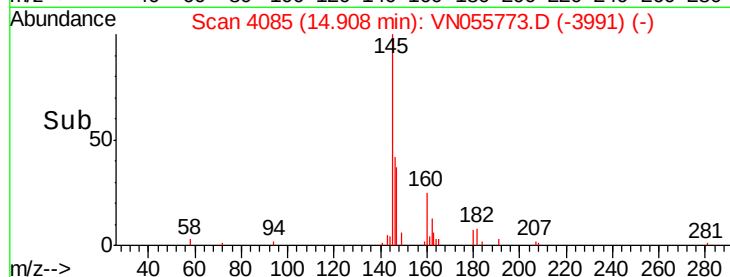
145 1667.0 14.0 41.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

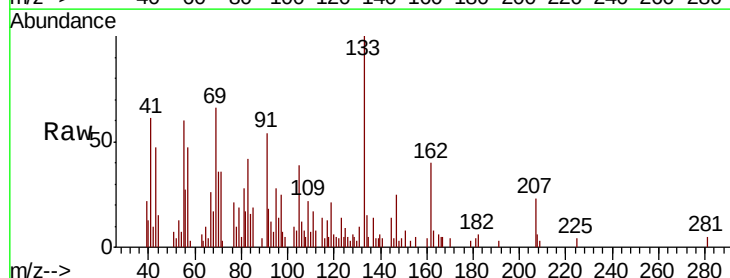
Tgt Ion:225 Resp: 216

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

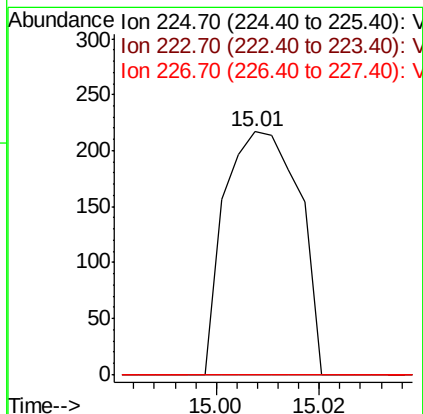
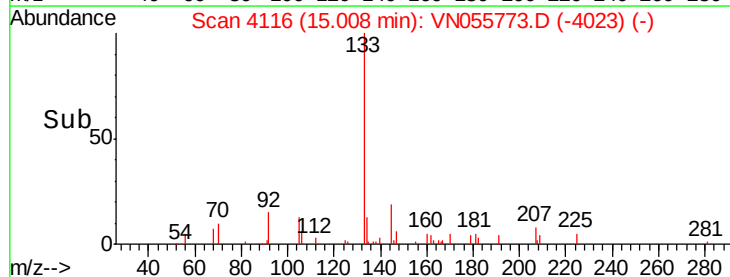
227 0.0 31.6 94.7#

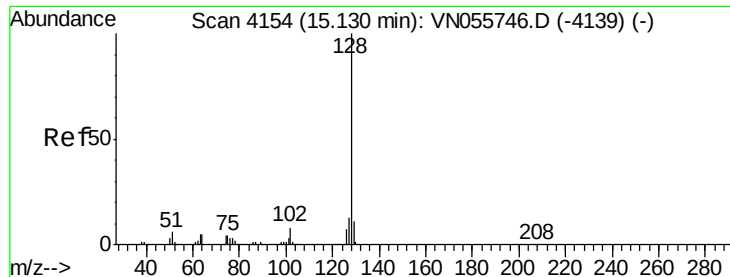


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 65.368 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

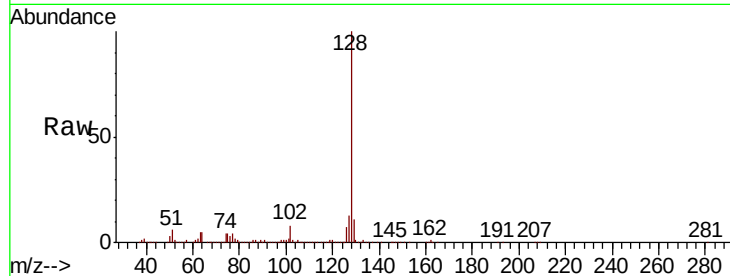
Tot Ion:128 Resp: 844358

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

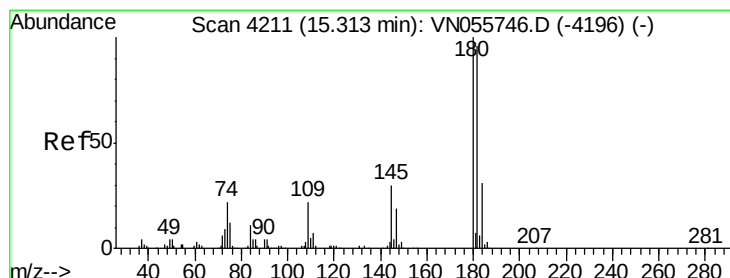
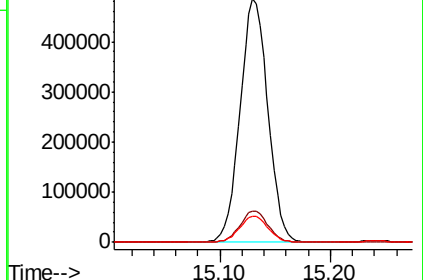
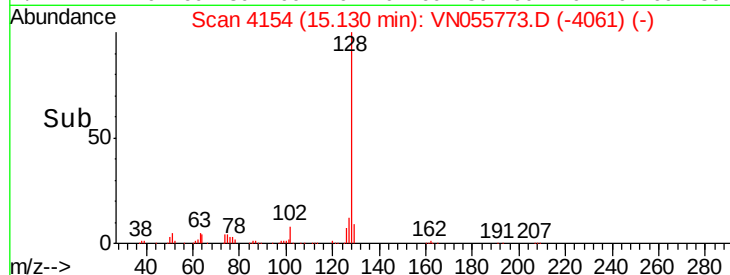
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.264 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

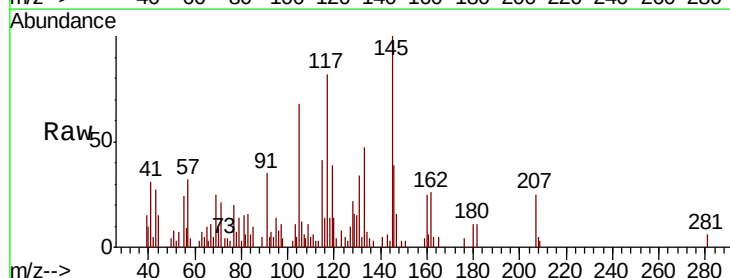
Tgt Ion:180 Resp: 1314

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.7

145 0.0 14.9 44.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

