

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055628.D
 Acq On : 17 May 2019 22:16
 Operator : JC/SP
 Sample : K2823-06ME
 Misc : 5.95µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	356623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	508707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219864	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	168192	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	
35) Dibromofluoromethane	7.59	113	151853	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	10.09	98	602627	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	213117	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.78	56	13875	38.471	ug/l	86
14) Allyl chloride	4.57	41	176218	33.515	ug/l #	61
15) Acrylonitrile	5.04	53	9267	5.714	ug/l #	32
16) Acetone	3.77	43	36263	22.730	ug/l #	53
18) Methyl Acetate	4.58	43	453634	132.632	ug/l #	50
20) Methylene Chloride	4.55	84	1712	0.470	ug/l #	7
25) 2-Butanone	6.81	43	3238	1.452	ug/l #	47
31) Cyclohexane	7.63	56	153924	26.548	ug/l #	52
36) 1,1-Dichloropropene	7.67	75	21561	4.754	ug/l #	45
38) Carbon Tetrachloride	7.66	117	29341	6.054	ug/l #	15
39) Methylcyclohexane	9.08	83	224340	41.032	ug/l	90
43) Isopropyl Acetate	8.15	43	64756	9.096	ug/l #	53
47) Bromodichloromethane	9.38	83	16946	3.515	ug/l #	30
48) Methyl methacrylate	9.22	41	26453	8.313	ug/l #	24
51) 4-Methyl-2-Pentanone	10.09	43	13759	3.295	ug/l	89
55) 1,1,2-Trichloroethane	10.53	97	94730	27.501	ug/l #	21
56) Ethyl methacrylate	10.43	69	3723	0.692	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.66	63	2181	0.955	ug/l #	46
59) 2-Hexanone	10.72	43	126671	43.084	ug/l #	29
65) Chlorobenzene	11.54	112	2426	0.272	ug/l #	43
67) Ethyl Benzene	11.51	91	5832	0.367	ug/l	95
68) m/p-Xylenes	11.62	106	1212	0.202	ug/l #	61
71) Bromoform	12.40	173	945	0.311	ug/l #	1
73) Isopropylbenzene	12.25	105	61443	1.653	ug/l	100
74) N-amyl acetate	12.04	43	147026	23.815	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.49	83	4186	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	95026	21.181	ug/l #	100
78) n-propylbenzene	12.59	91	429408	21.993	ug/l	100
79) 2-Chlorotoluene	12.59	91	429408	40.785	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	6244	Below Cal		100
81) trans-1,4-Dichloro-2-buten	12.40	75	95026	54.448	ug/l #	17
82) 4-Chlorotoluene	12.59	91	429408	37.327	ug/l #	40
83) tert-Butylbenzene	12.99	119	936	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	12.89	105	10875	Below Cal		71

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QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration

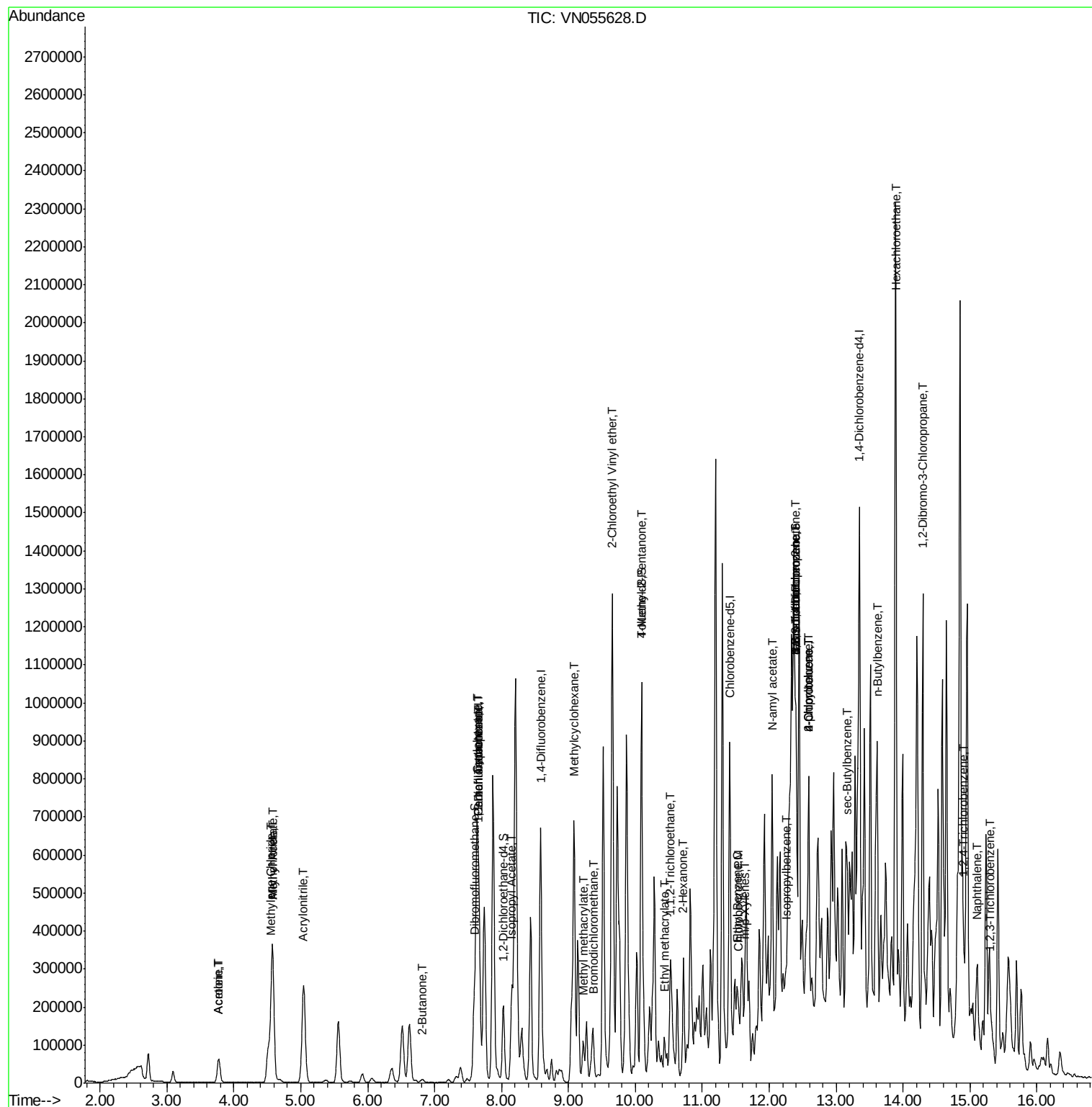
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	159118	9.075	ug/l #	49
86) p-Isopropyltoluene	13.29	119	15947	Below Cal	#	51
89) n-Butylbenzene	13.62	91	427560	35.439	ug/l #	85
90) Hexachloroethane	13.89	117	103054	38.935	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.29	75	3747	3.755	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1130	0.298	ug/l #	1
94) Hexachlorobutadiene	15.01	225	96	Below Cal	#	18
95) Naphthalene	15.10	128	10387	2.641	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.31	180	1239	0.313	ug/l #	80

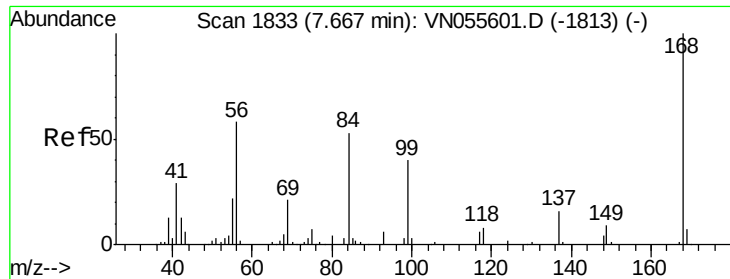
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

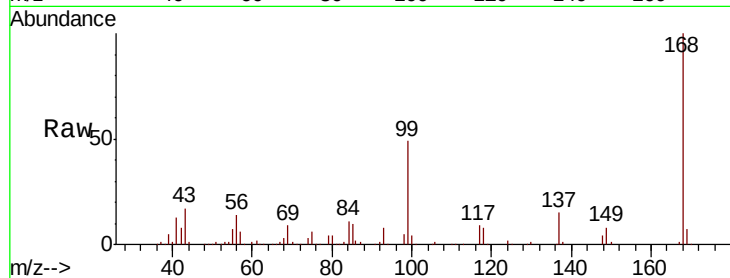
ClientSampleId :

Tot Ion:168 Resp: 356623

Ion Ratio Lower Upper

168 100

99 48.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

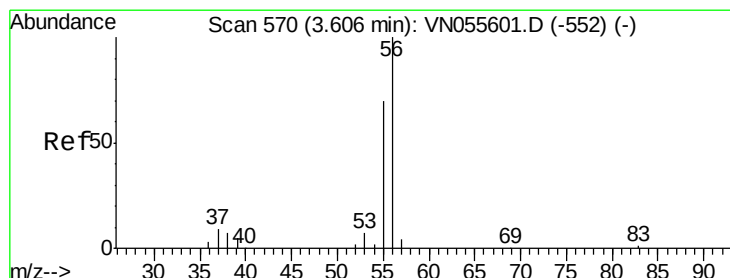
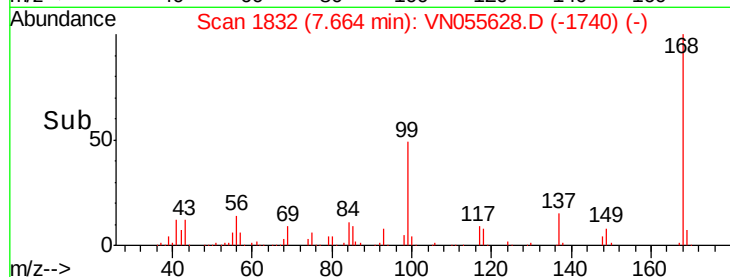
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 38.471 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.17 min

Lab File: VN055628.D

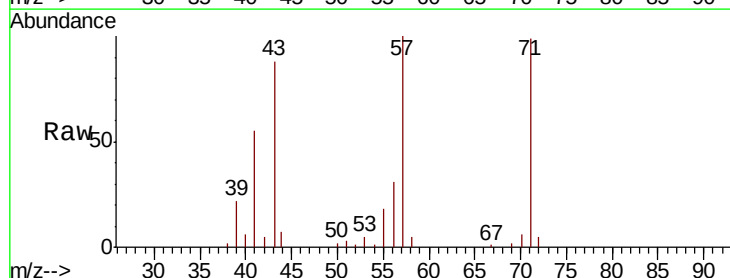
Acq: 17 May 2019 22:16

Tgt Ion: 56 Resp: 13875

Ion Ratio Lower Upper

56 100

55 59.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

5000

4000

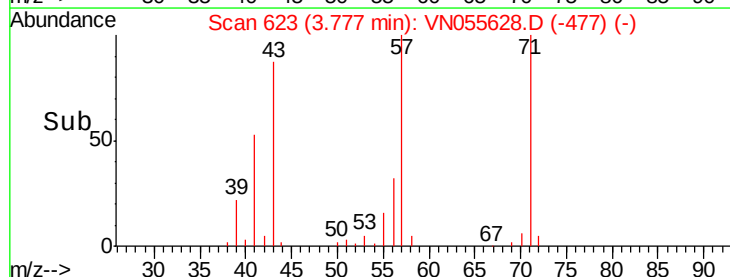
3000

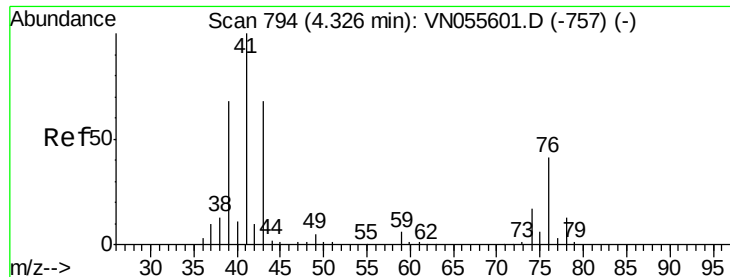
2000

1000

0

Time--> 3.70 3.80





#14

Allvl chloride

Concen: 33.515 ug/l

RT: 4.57 min Scan# 871

Delta R.T. 0.25 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampled :

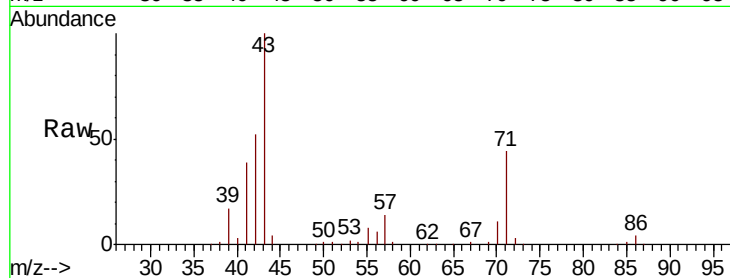
Tot Ion: 41 Resp: 176218

Ion Ratio Lower Upper

41 100

39 42.9 50.5 75.7#

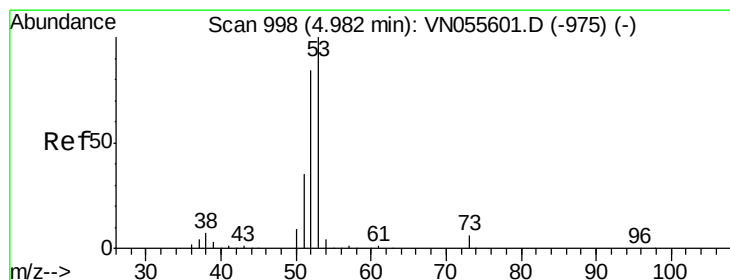
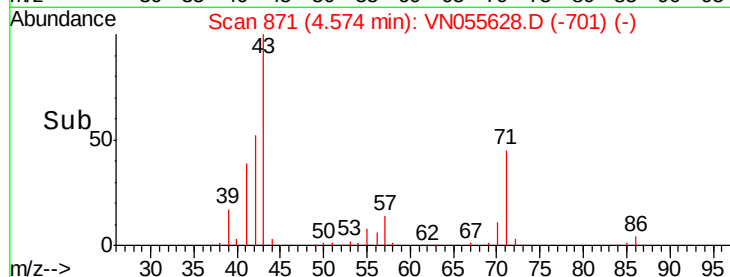
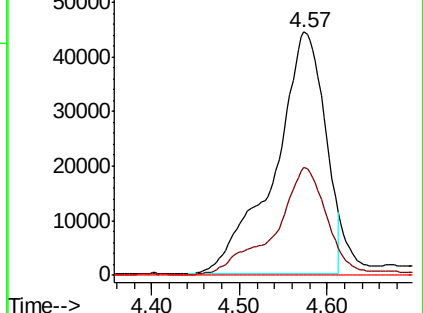
76 0.0 29.2 43.8#



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: 5.714 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.06 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

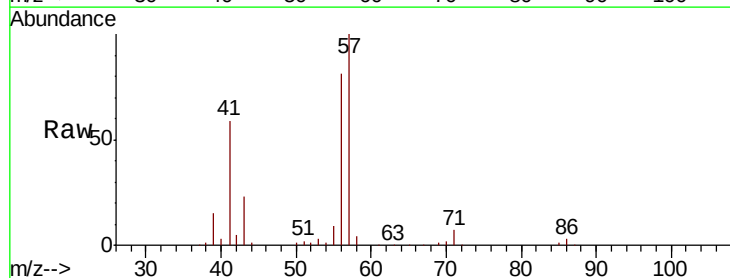
Tgt Ion: 53 Resp: 9267

Ion Ratio Lower Upper

53 100

52 10.9 66.2 99.4#

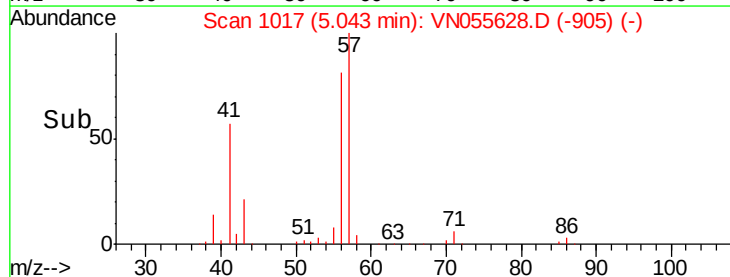
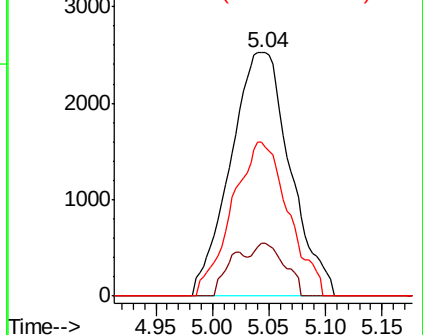
51 59.5 28.5 42.7#

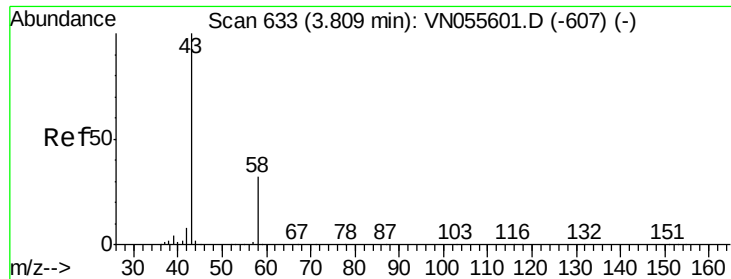


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

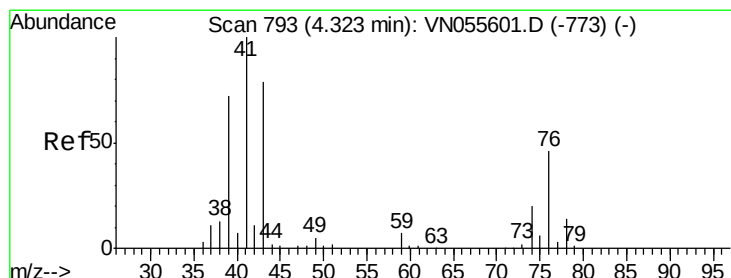
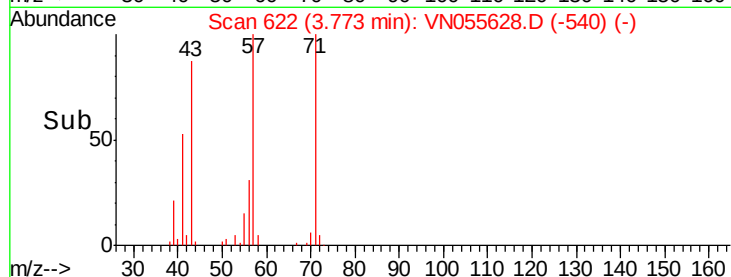
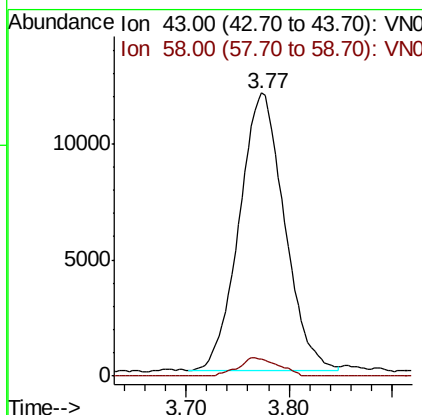
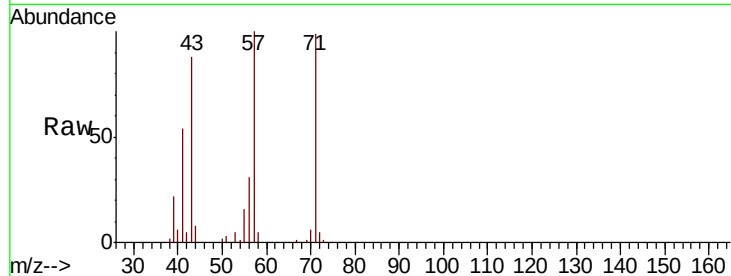




#16
Acetone
Concen: 22.730 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.04 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

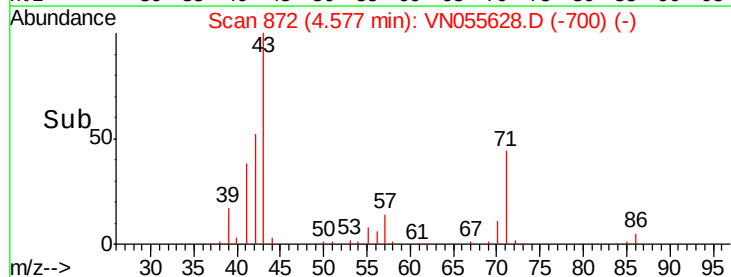
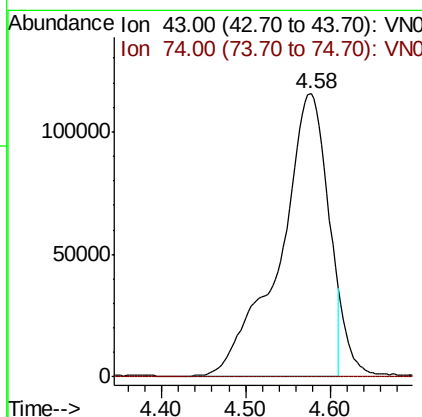
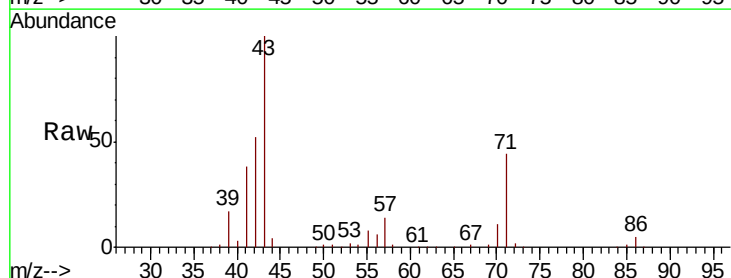
Instrument :
MSVOA_N
ClientSampled :

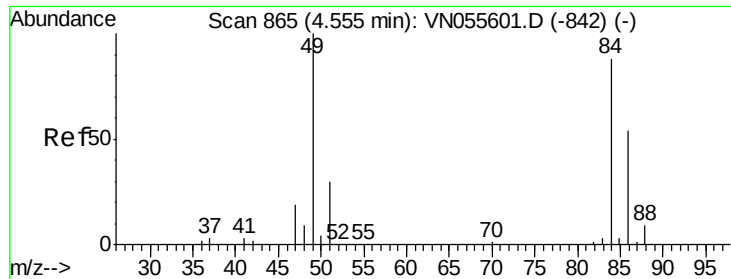
Tot Ion: 43 Resp: 36263
Ion Ratio Lower Upper
43 100
58 6.2 26.0 39.0#



#18
Methyl Acetate
Concen: 132.632 ug/l
RT: 4.58 min Scan# 872
Delta R.T. 0.25 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion: 43 Resp: 453634
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

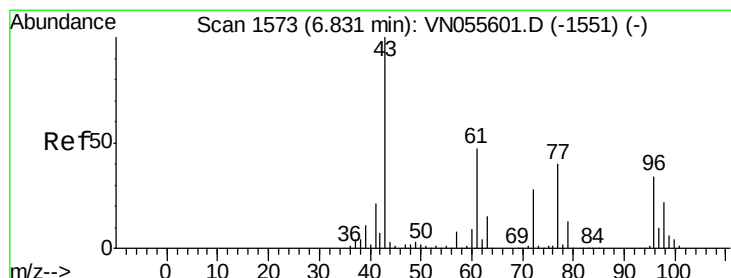
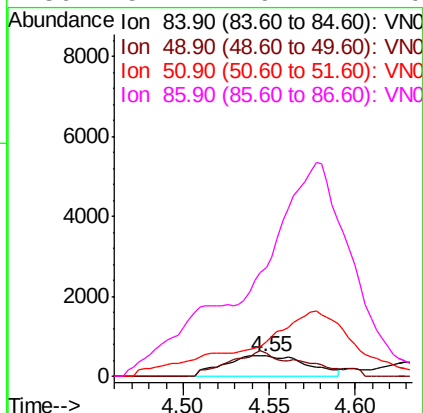
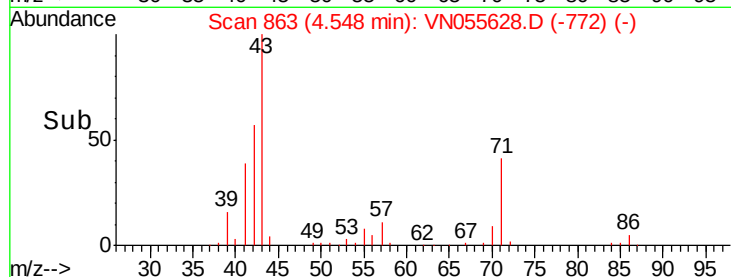
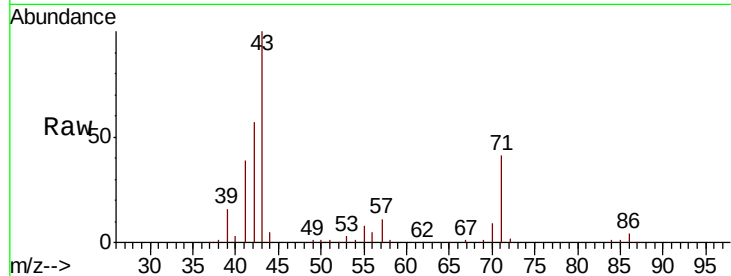




#20
Methylene Chloride
Concen: 0.470 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

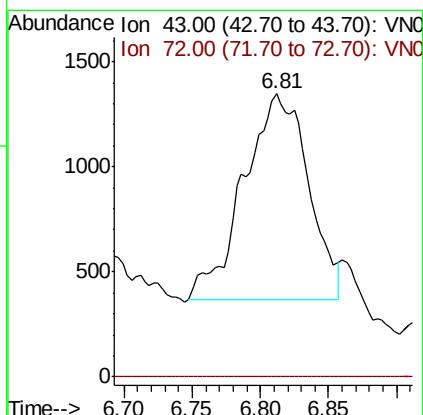
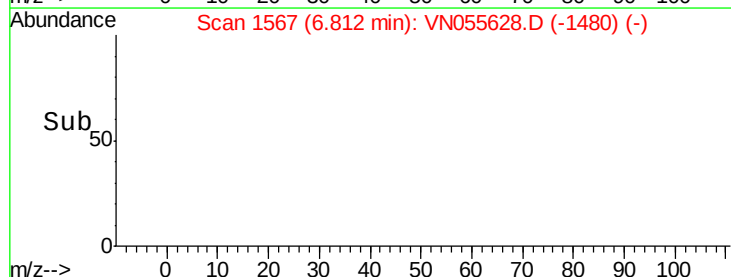
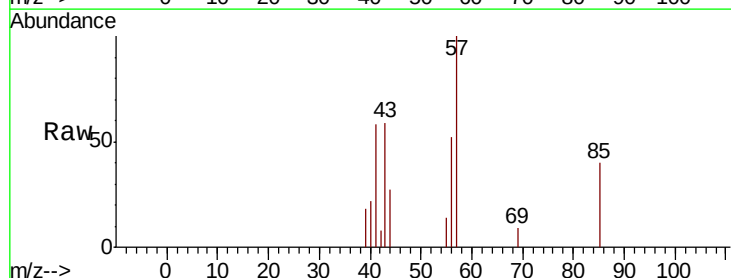
Instrument :
MSVOA_N
ClientSampled :

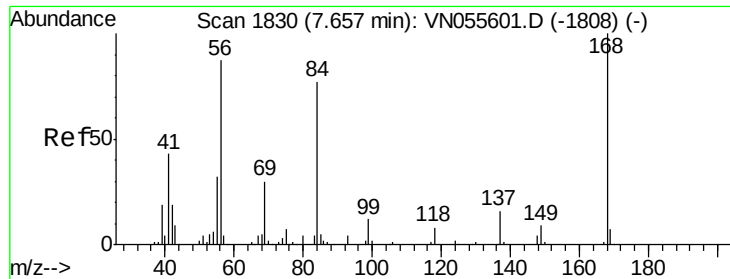
Tot Ion: 84 Resp: 1712
Ion Ratio Lower Upper
84 100
49 116.6 91.0 136.4
51 92.3 27.5 41.3#
86 257.2 49.4 74.0#



#25
2-Butanone
Concen: 1.452 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion: 43 Resp: 3238
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#

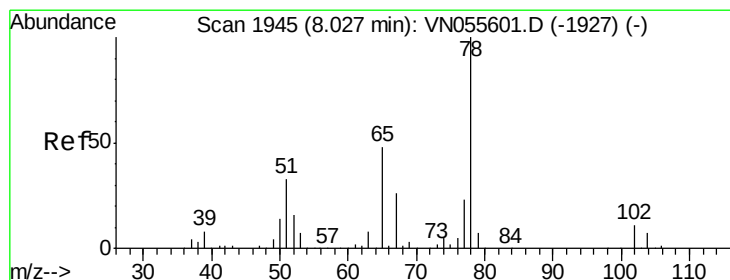
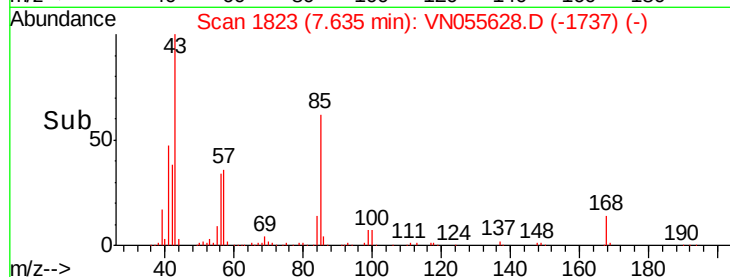
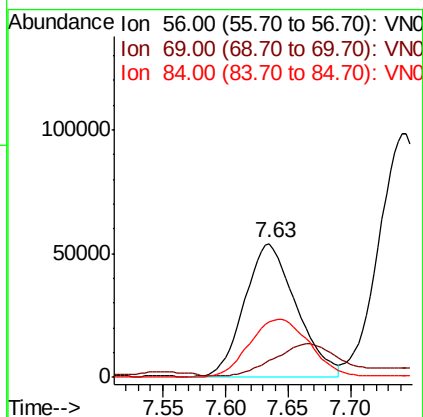
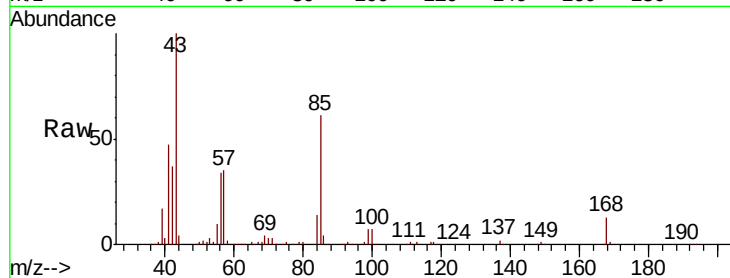




#31
Cyclohexane
Concen: 26.548 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.02 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

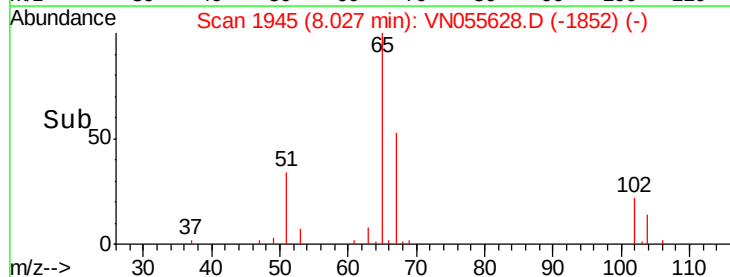
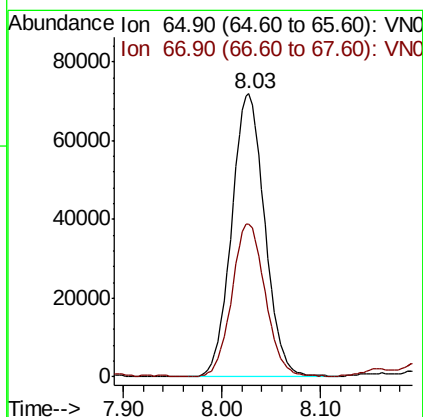
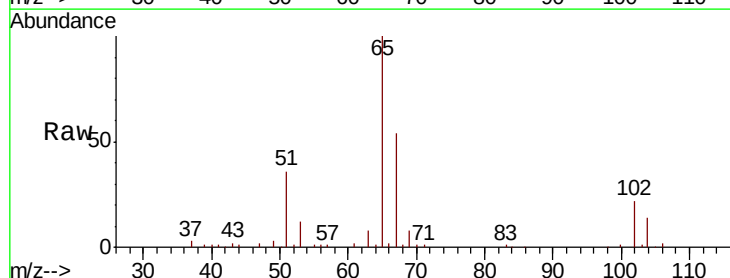
Instrument :
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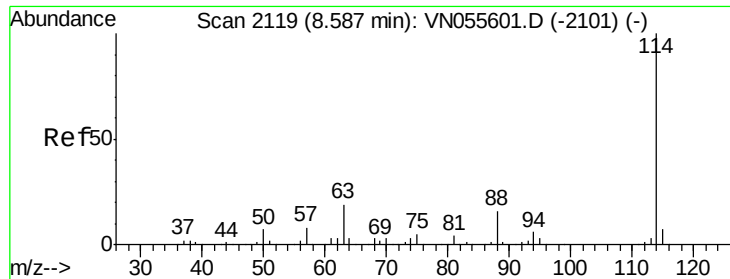
Tot Ion: 56 Resp: 153924
Ion Ratio Lower Upper
56 100
69 9.2 27.2 40.8#
84 41.8 71.3 106.9#



#33
1,2-Dichloroethane-d4
Concen: 43.023 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion: 65 Resp: 168192
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampleId :

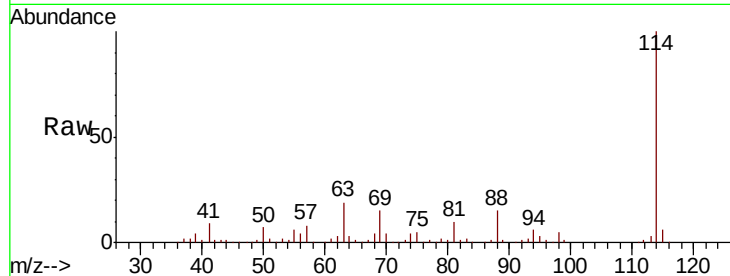
Tot Ion:114 Resp: 508707

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.2

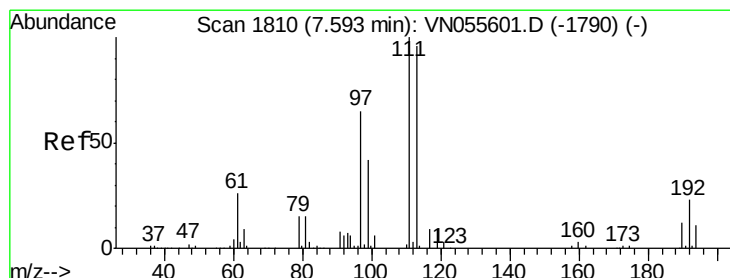
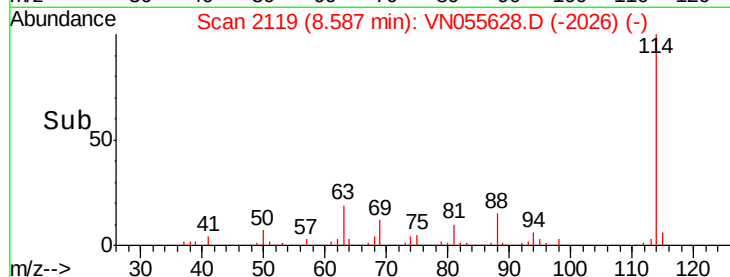
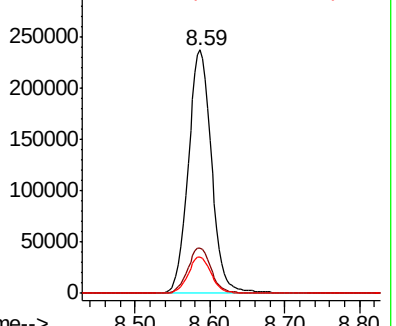
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.991 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

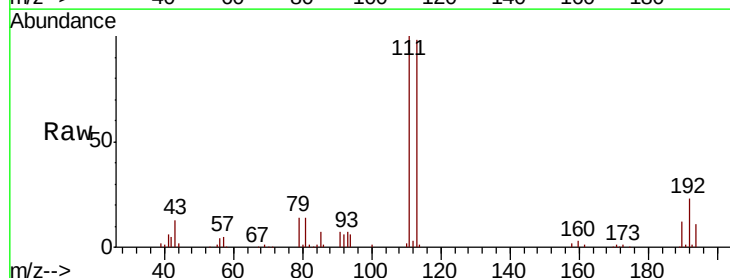
Tgt Ion:113 Resp: 151853

Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

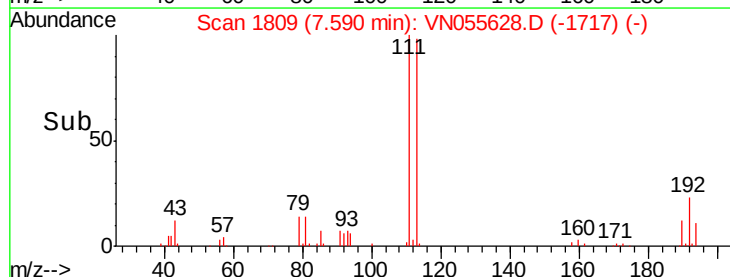
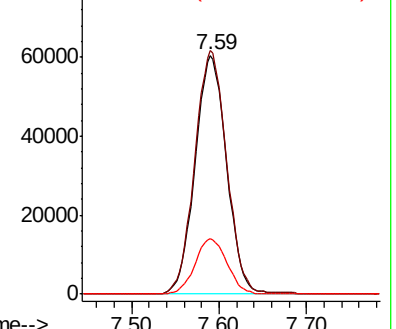
192 23.4 18.7 28.1

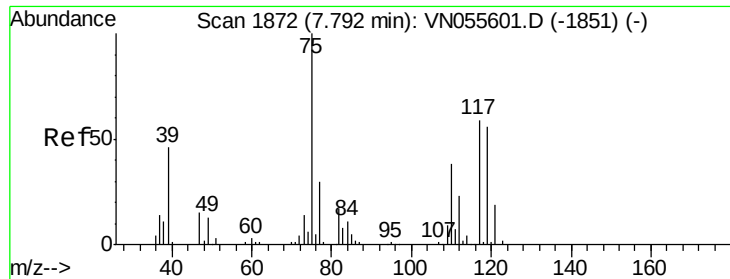


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

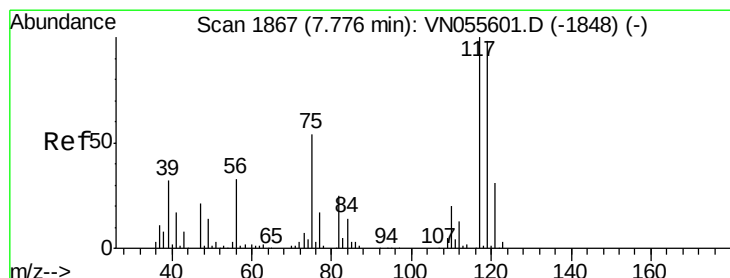
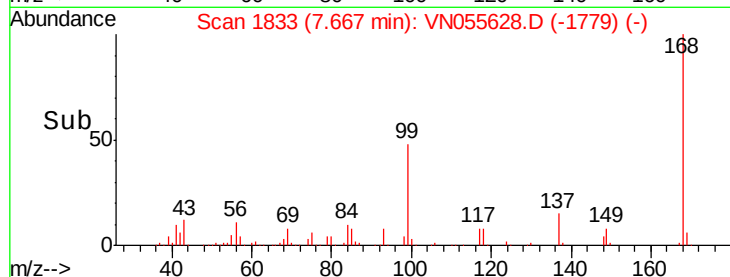
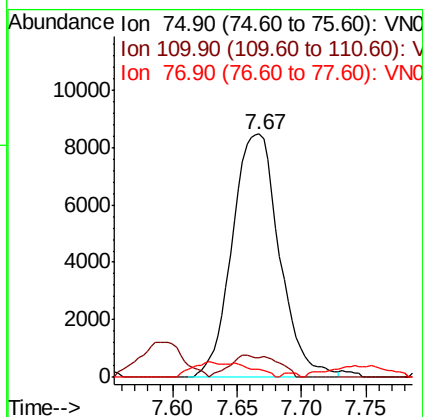
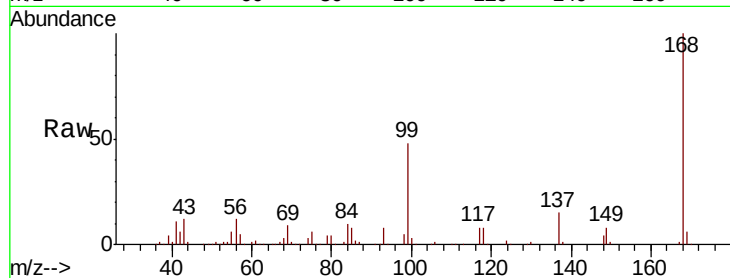




#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

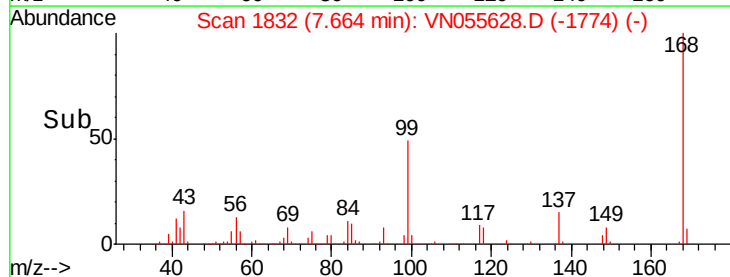
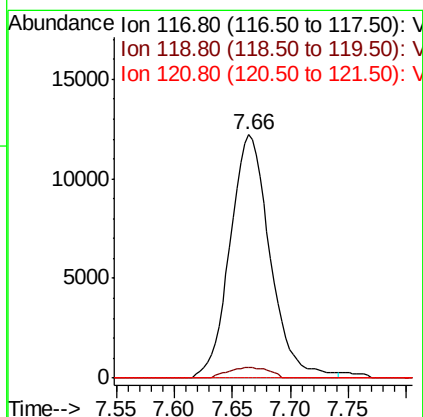
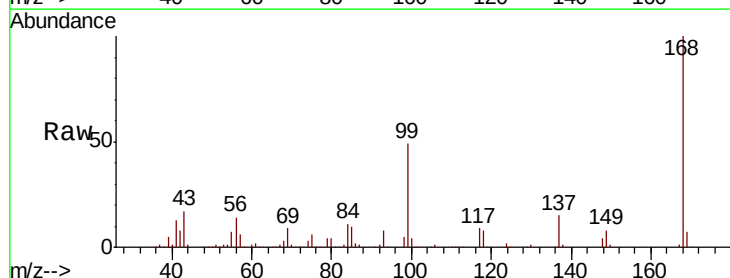
Instrument :
 MSVOA_N
 ClientSampled :

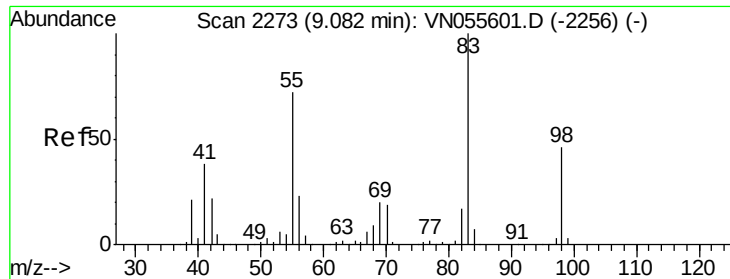
Tot Ion: 75 Resp: 21561
 Ion Ratio Lower Upper
 75 100
 110 4.9 18.6 55.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.054 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

Tgt Ion: 117 Resp: 29341
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.8 116.8#
 121 0.0 24.6 37.0#

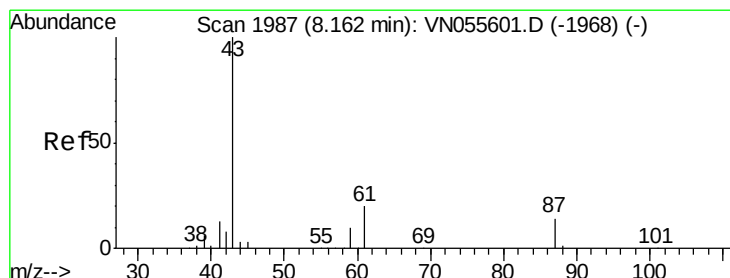
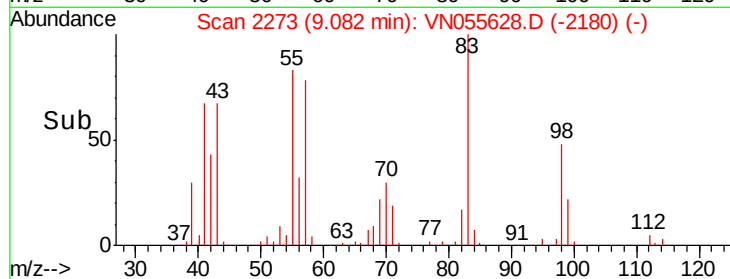
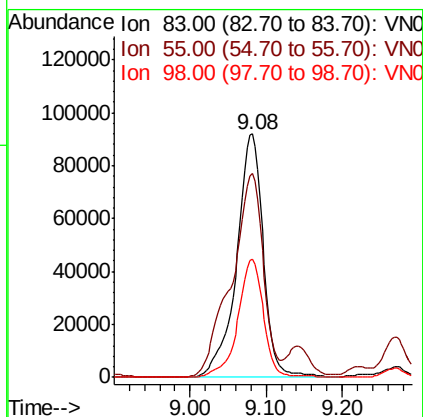
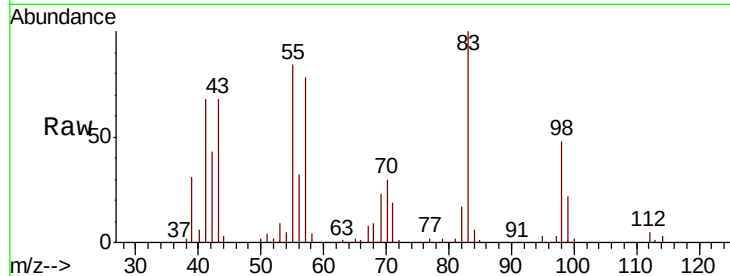




#39
Methylcyclohexane
Concen: 41.032 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

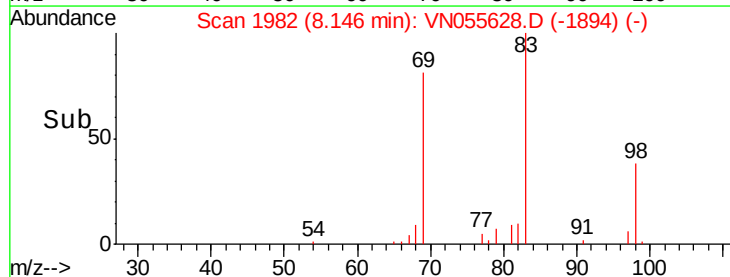
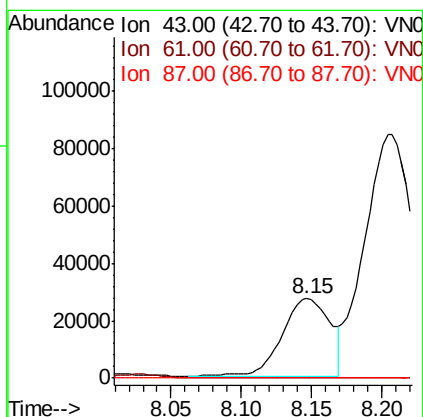
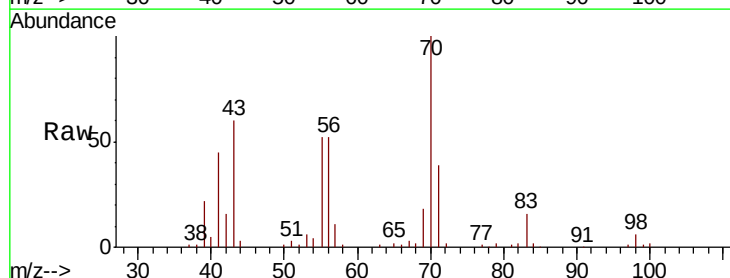
Instrument :
MSVOA_N
ClientSampled :

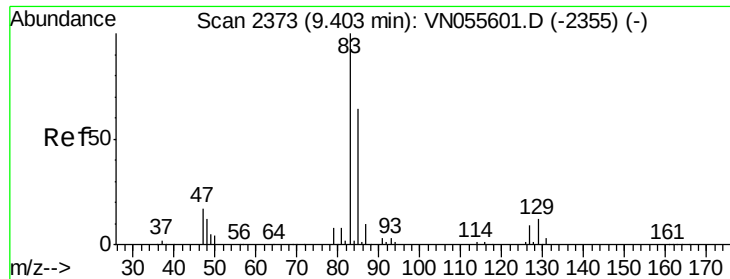
Tot Ion: 83 Resp: 224340
Ion Ratio Lower Upper
83 100
55 83.6 57.8 86.6
98 48.4 36.7 55.1



#43
Isopropyl Acetate
Concen: 9.096 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.02 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion: 43 Resp: 64756
Ion Ratio Lower Upper
43 100
61 0.0 22.1 33.1#
87 0.0 11.8 17.6#





#47

Bromodichloromethane

Concen: 3.515 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampleId :

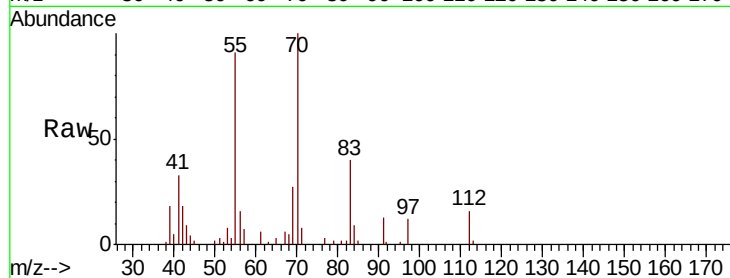
Tot Ion: 83 Resp: 16946

Ion Ratio Lower Upper

83 100

85 4.8 51.4 77.0#

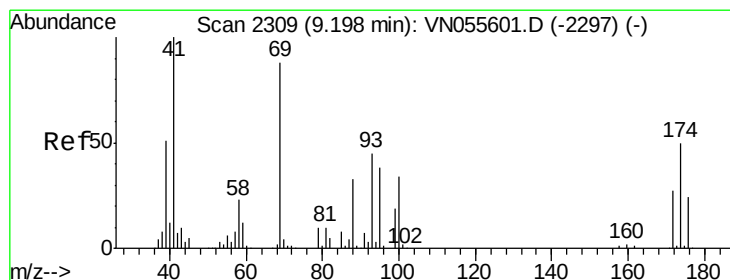
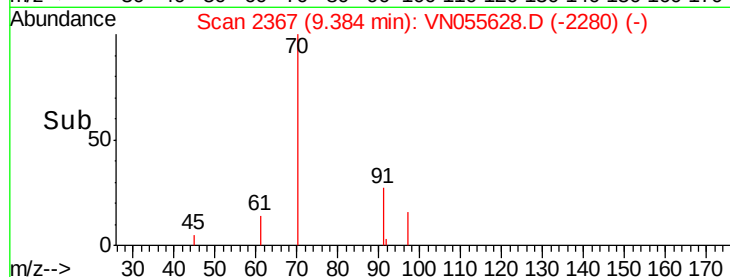
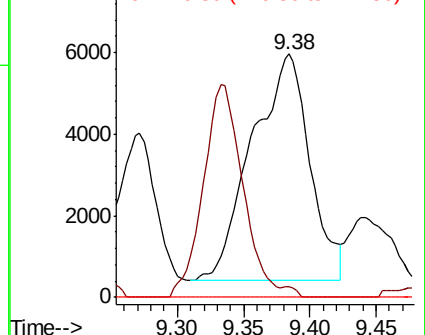
127 0.0 7.1 10.7#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 8.313 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

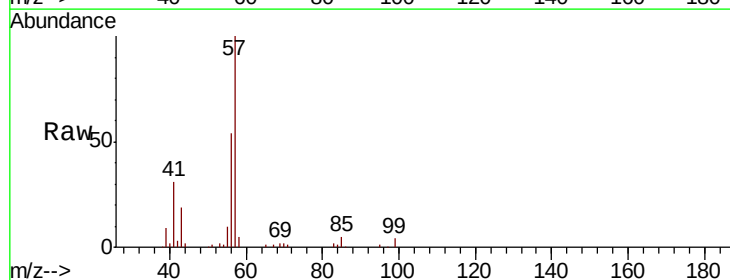
Tgt Ion: 41 Resp: 26453

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

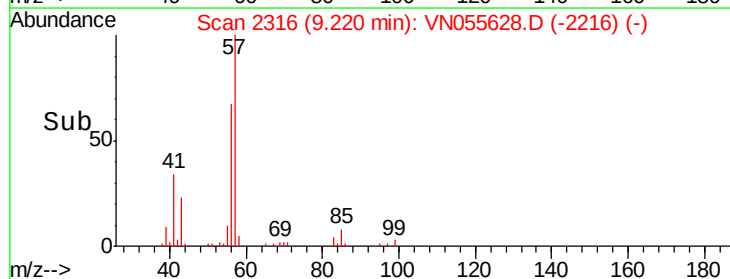
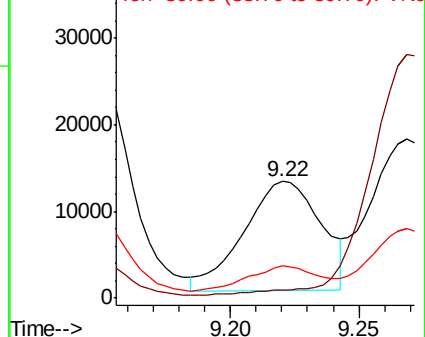
39 24.8 43.8 65.8#

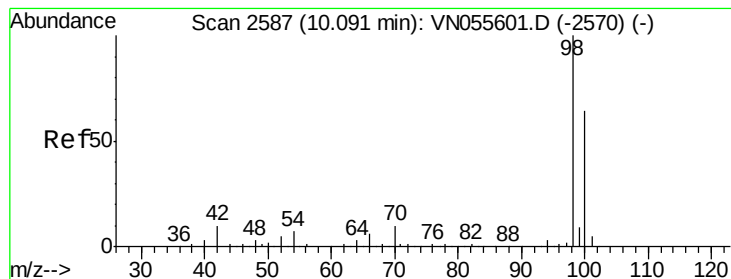


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 49.319 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

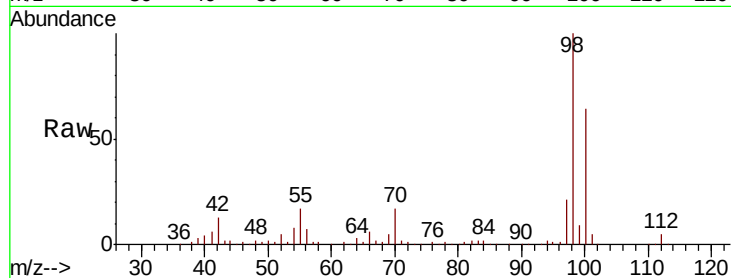
ClientSampleId :

Tot Ion: 98 Resp: 602627

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055601.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055601.D (-2570) (-)

10.09

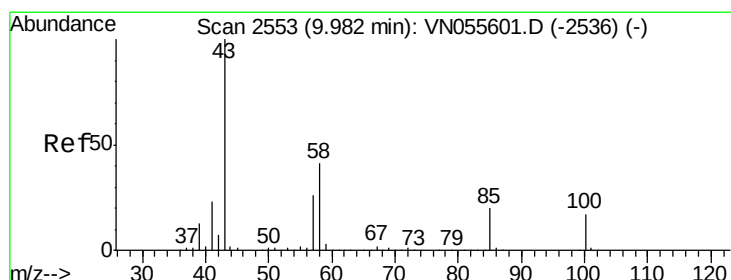
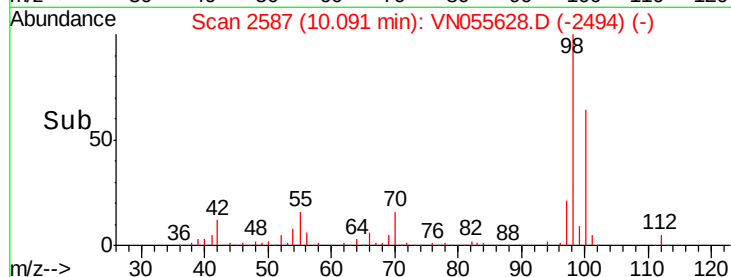
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.295 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN055628.D

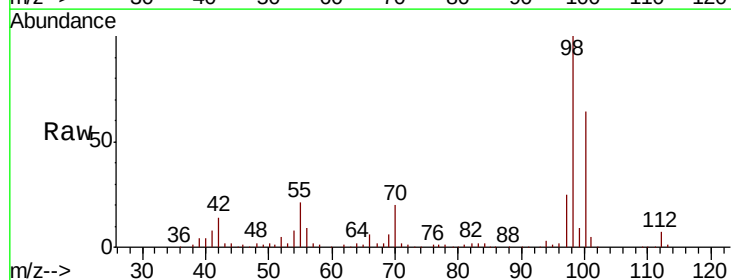
Acq: 17 May 2019 22:16

Tgt Ion: 43 Resp: 13759

Ion Ratio Lower Upper

43 100

58 34.2 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

20000

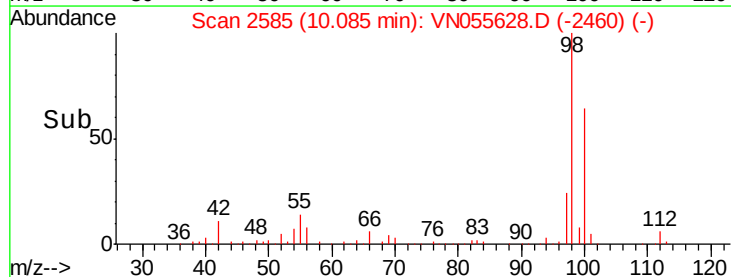
15000

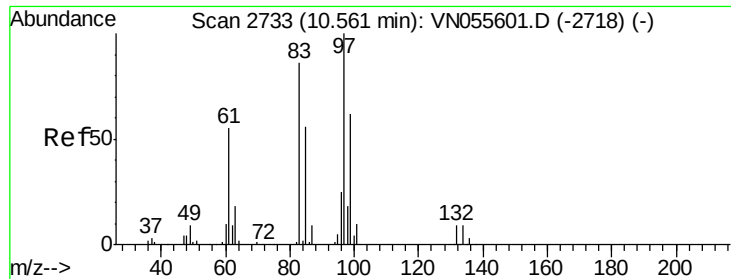
10000

5000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 27.501 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 94730

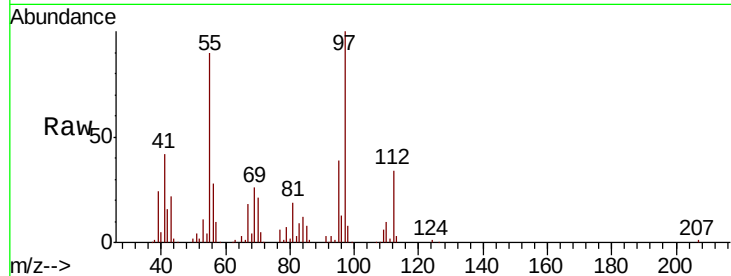
Ion Ratio Lower Upper

97 100

83 5.9 68.4 102.6#

85 8.2 44.8 67.2#

99 0.4 49.9 74.9#

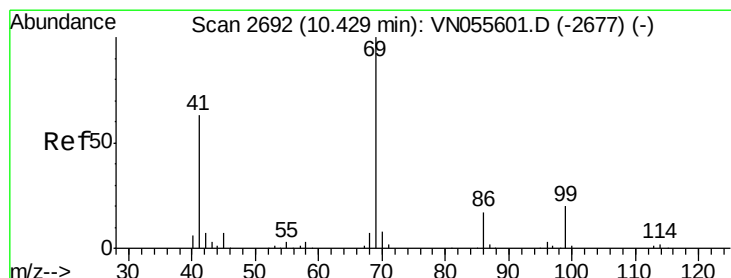
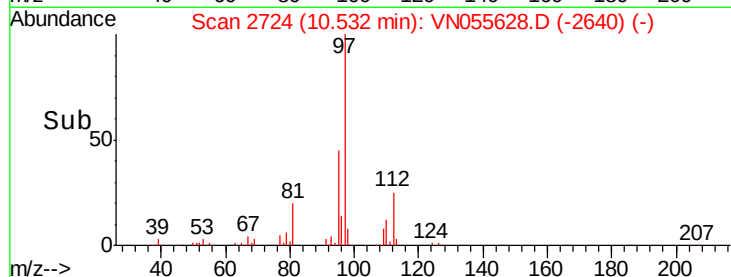
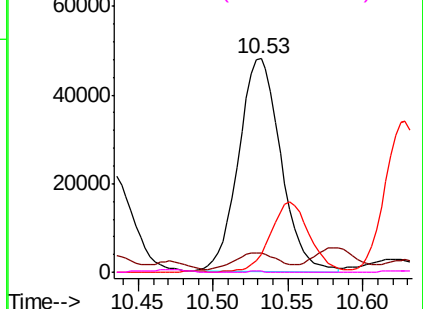


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.692 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

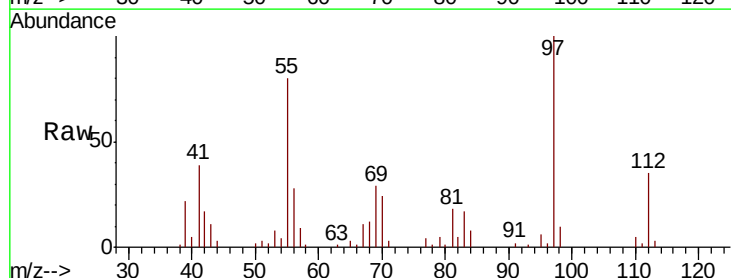
Tgt Ion: 69 Resp: 3723

Ion Ratio Lower Upper

69 100

41 243.0 50.3 75.5#

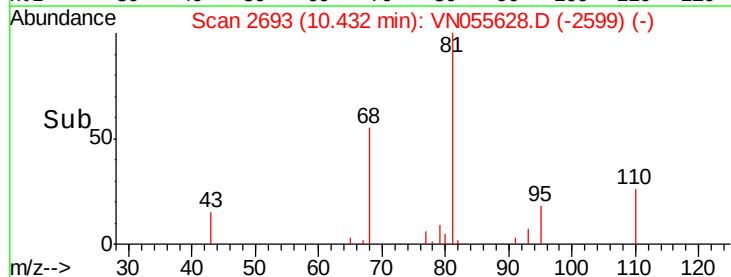
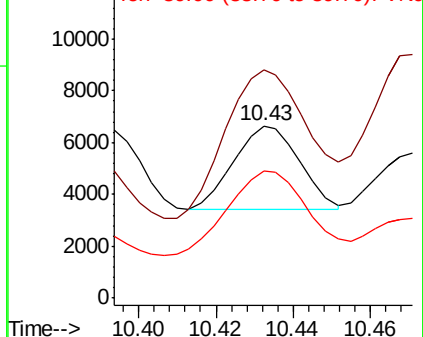
39 176.7 25.4 38.2#

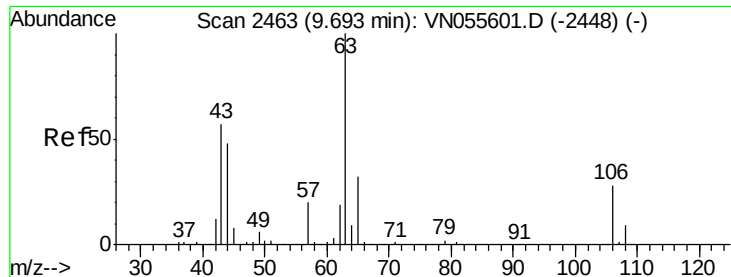


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#58

2-Chloroethyl Vinyl ether

Concen: 0.955 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.03 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

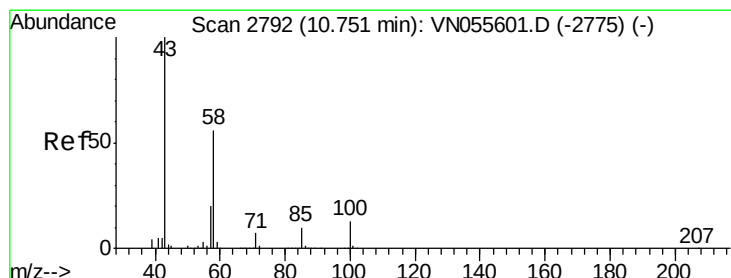
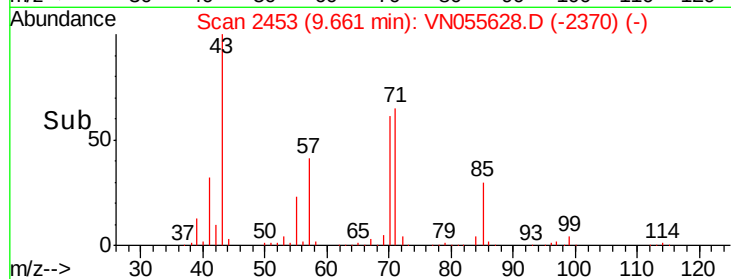
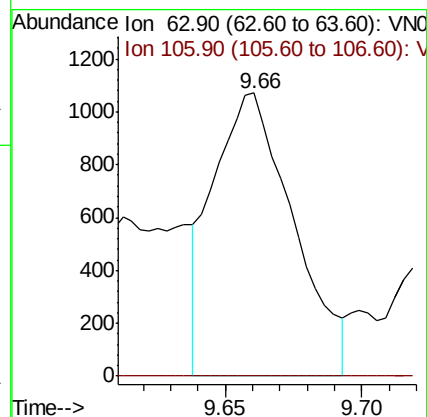
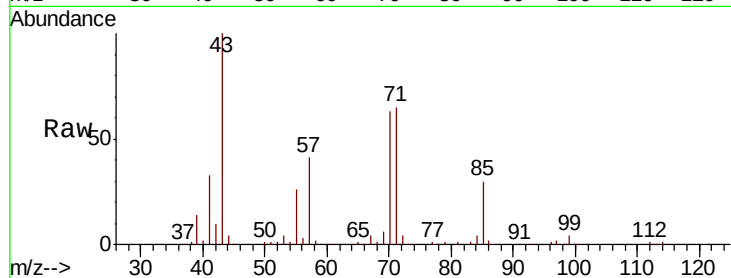
ClientSampleId :

Tot Ion: 63 Resp: 2181

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



#59

2-Hexanone

Concen: 43.084 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN055628.D

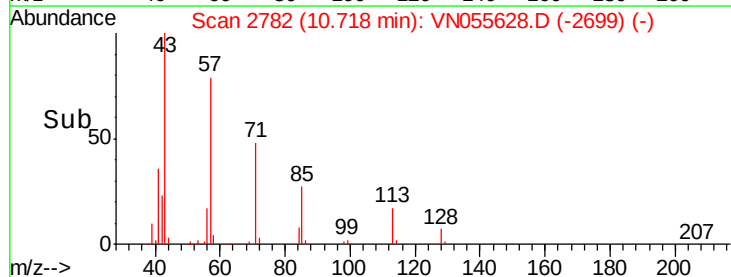
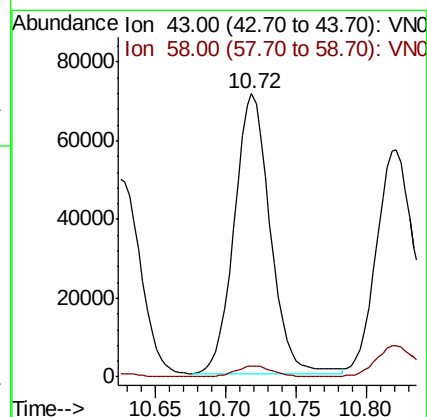
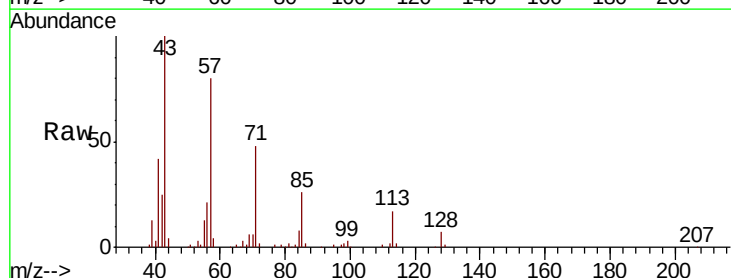
Acq: 17 May 2019 22:16

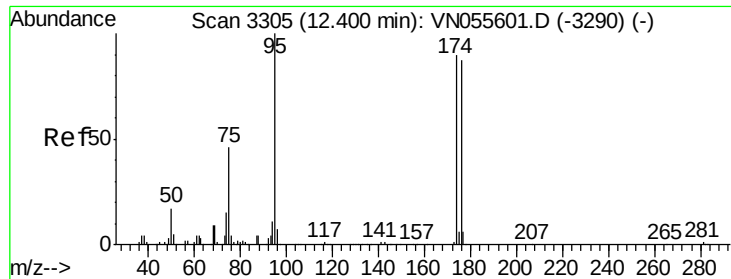
Tgt Ion: 43 Resp: 126671

Ion Ratio Lower Upper

43 100

58 4.3 28.1 84.4#

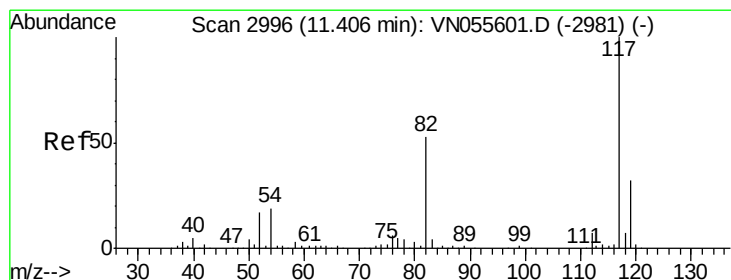
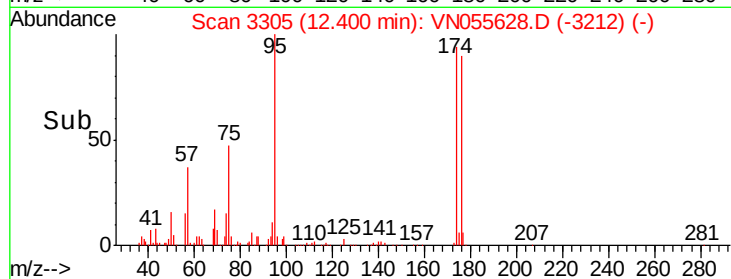
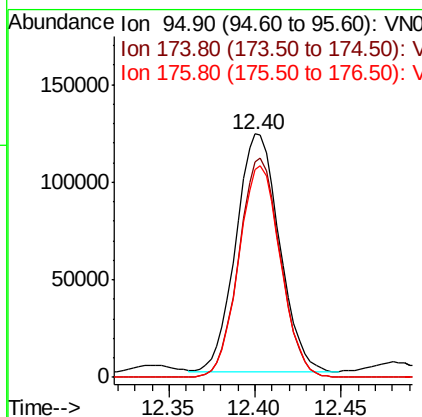
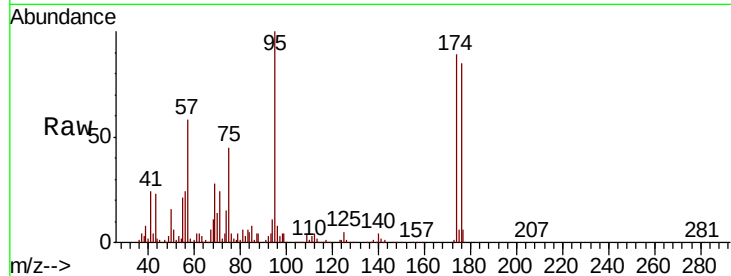




#62
4-Bromofluorobenzene
Concen: 50.509 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

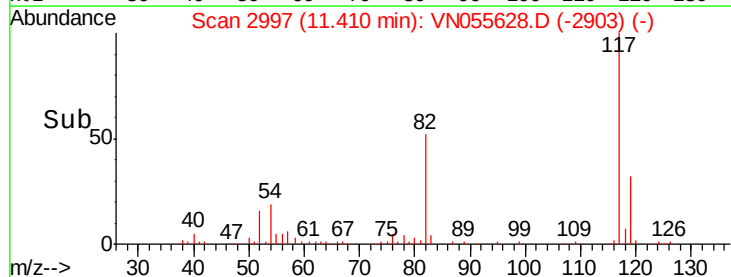
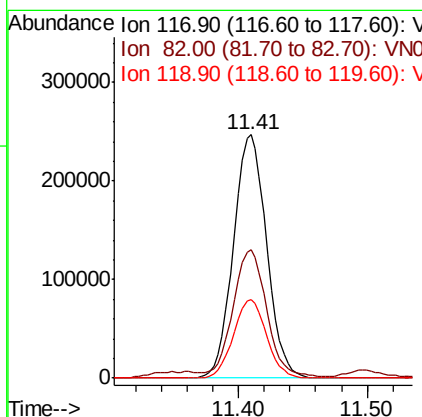
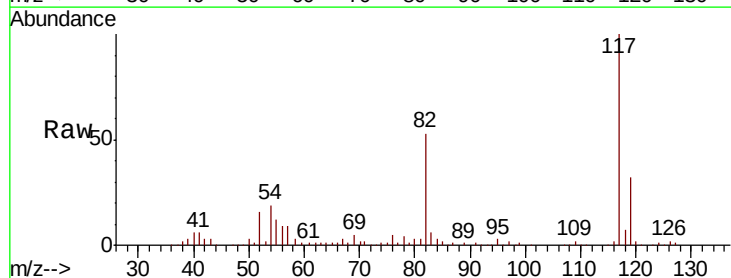
Instrument :
MSVOA_N
ClientSampleId :

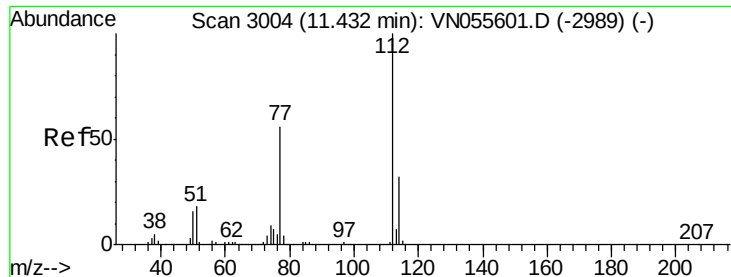
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	180.6
176	86.0	0.0	177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.3	63.5
119	32.5	25.4	38.2

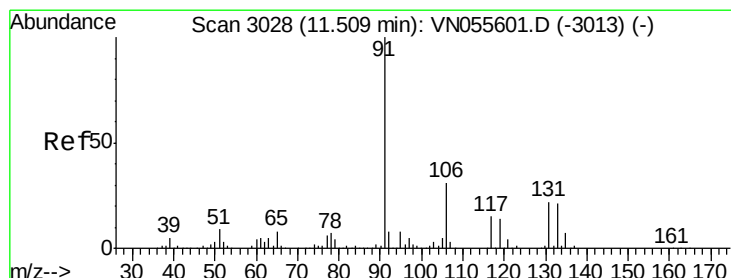
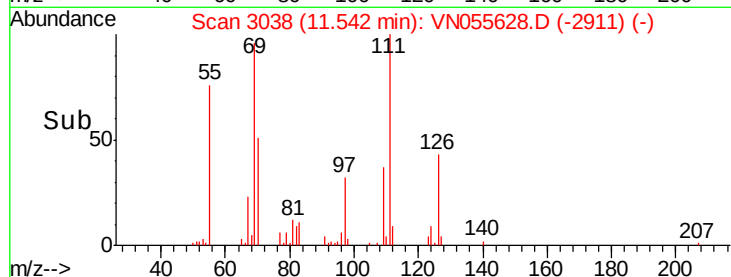
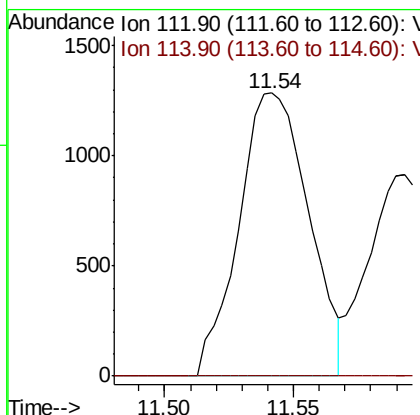
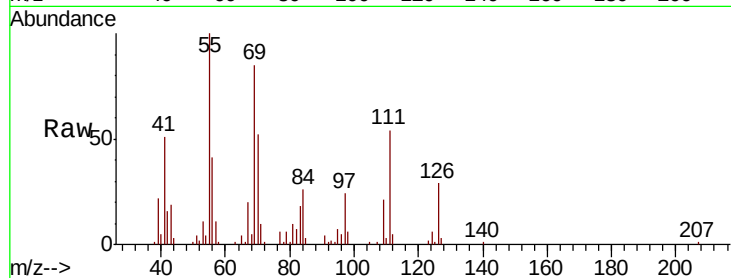




#65
Chlorobenzene
Concen: 0.272 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.11 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

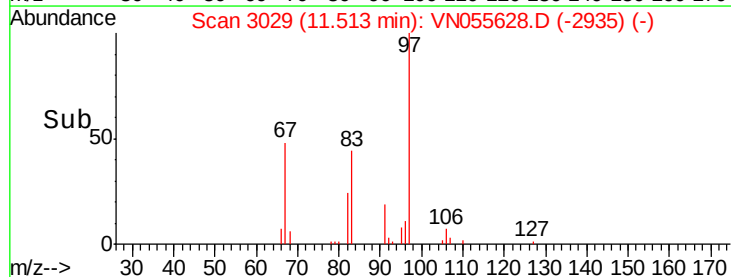
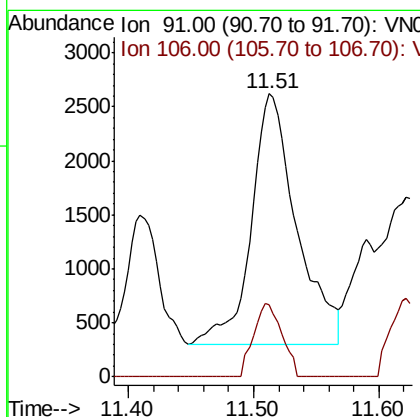
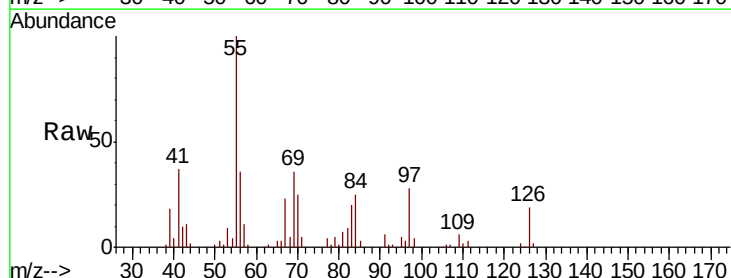
Instrument :
MSVOA_N
ClientSampled :

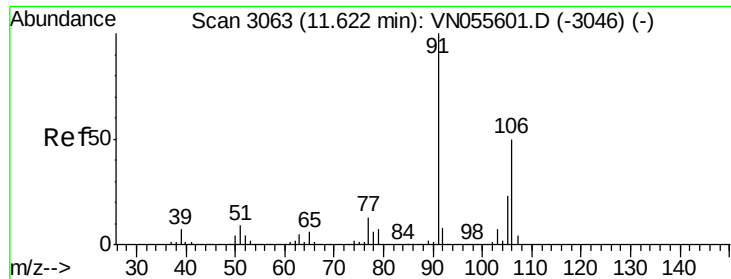
Tot Ion:112 Resp: 2426
Ion Ratio Lower Upper
112 100
114 0.0 25.6 38.4#



#67
Ethyl Benzene
Concen: 0.367 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion: 91 Resp: 5832
Ion Ratio Lower Upper
91 100
106 28.9 25.2 37.8

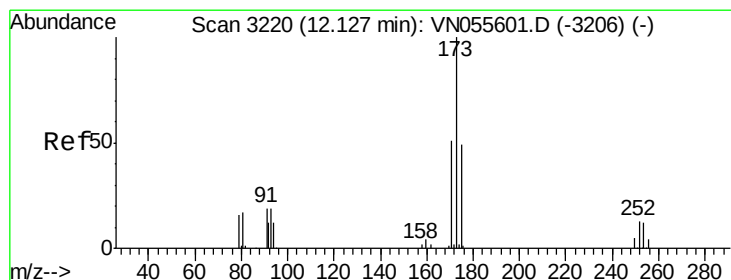
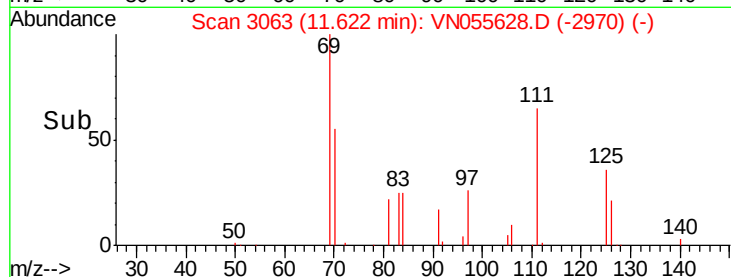
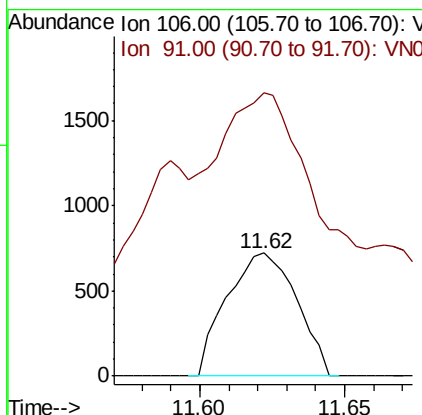
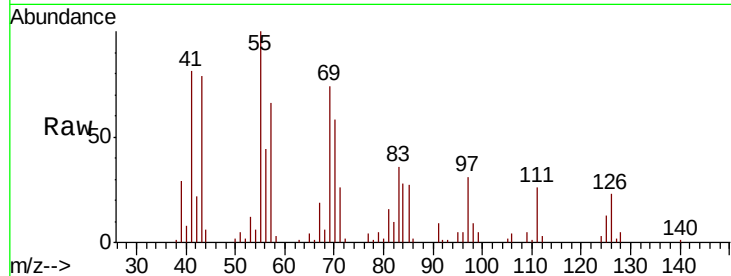




#68
m/p-Xvlenes
Concen: 0.202 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

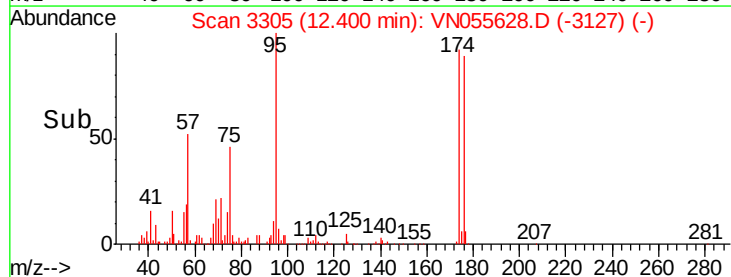
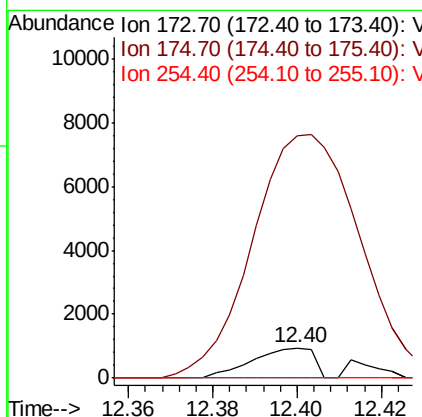
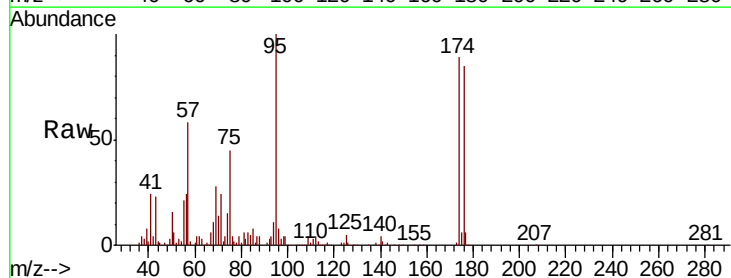
Instrument :
MSVOA_N
ClientSampled :

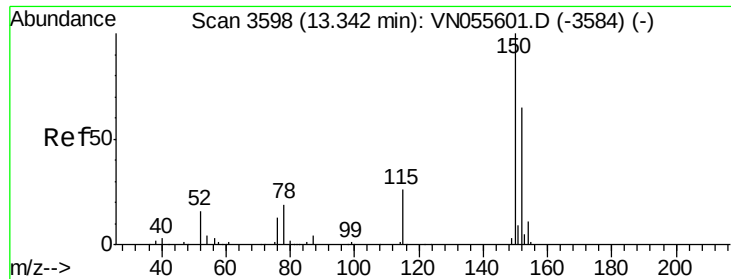
Tot Ion:106 Resp: 1212
Ion Ratio Lower Upper
106 100
91 141.4 160.5 240.7#



#71
Bromoform
Concen: 0.311 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion:173 Resp: 945
Ion Ratio Lower Upper
173 100
175 1222.3 24.3 72.9#
254 0.0 0.1 0.1#



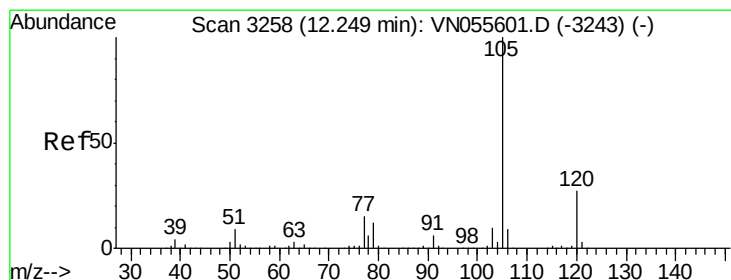
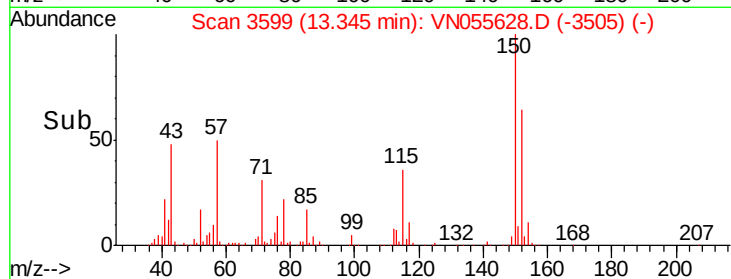
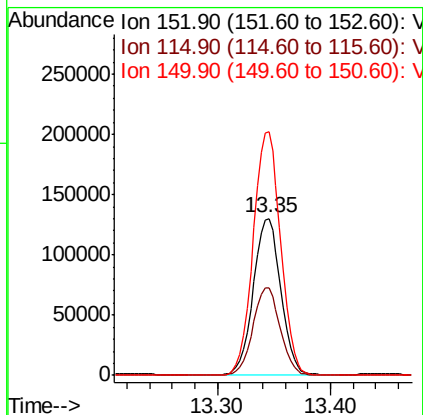
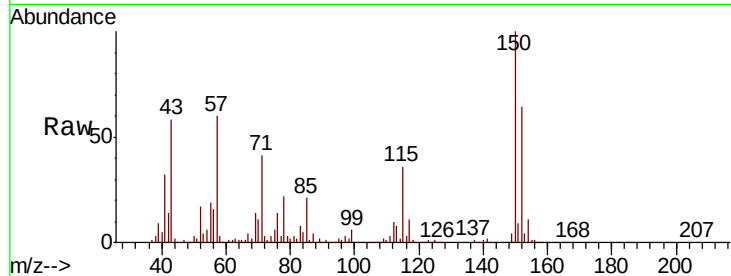


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Instrument :
MSVOA_N
ClientSampled :

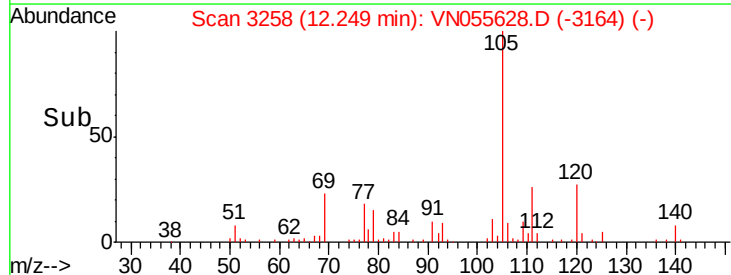
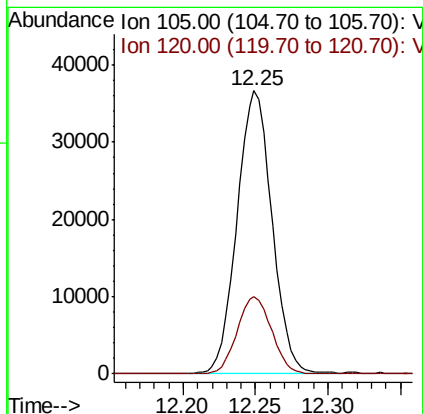
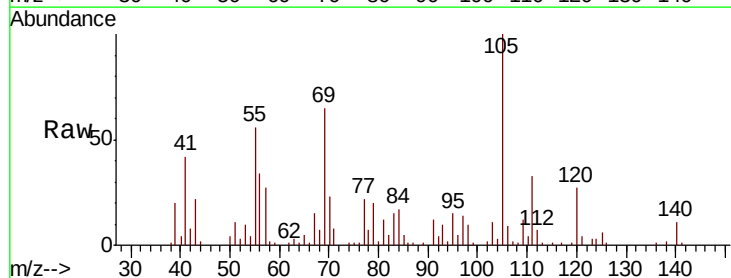
Tot Ion:152 Resp: 219864
Ion Ratio Lower Upper
152 100
115 55.2 28.1 84.2
150 154.5 0.0 348.0

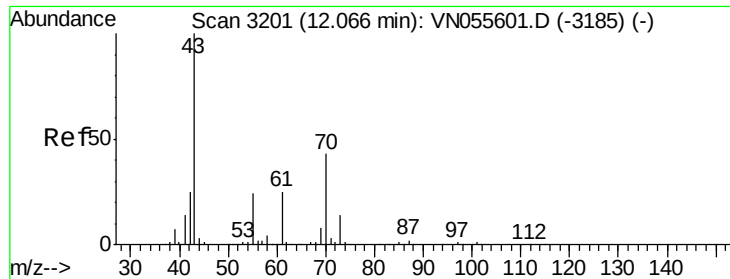


#73

Isopropylbenzene
Concen: 1.653 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055628.D
Acq: 17 May 2019 22:16

Tgt Ion:105 Resp: 61443
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2





#74

N-amvl acetate

Concen: 23.815 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 147026

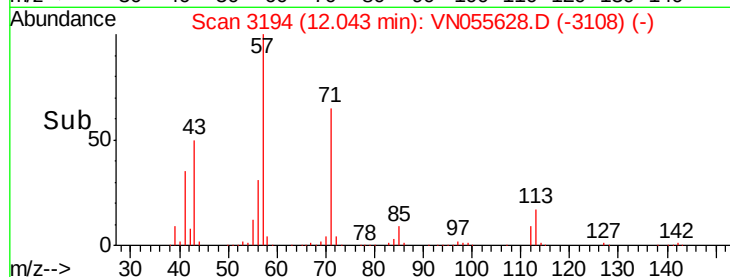
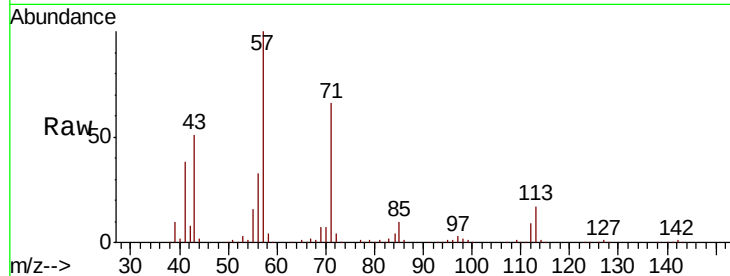
Ion Ratio Lower Upper

43 100

70 9.4 35.0 52.6#

55 9.5 18.9 28.3#

61 0.0 20.1 30.1#

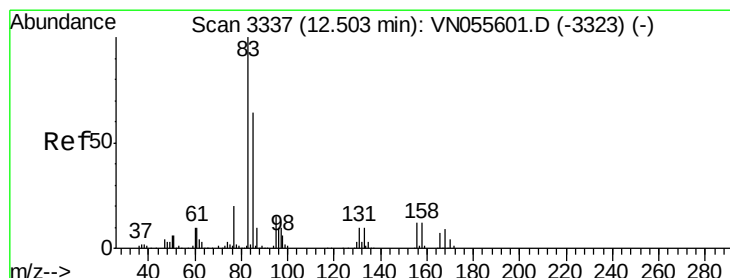
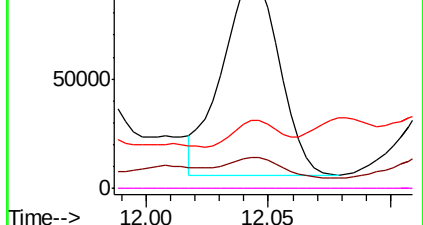


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: VN055628.D

Acq: 17 May 2019 22:16

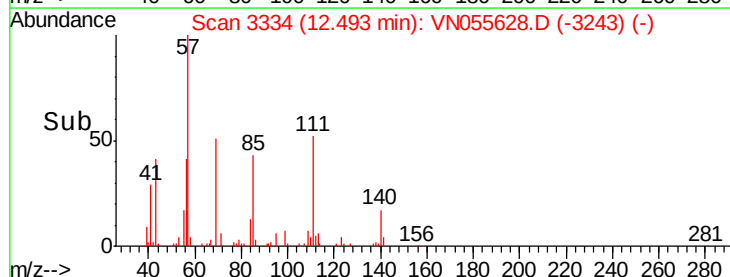
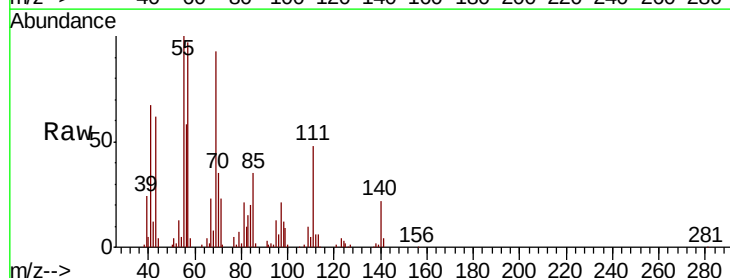
Tgt Ion: 83 Resp: 4186

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

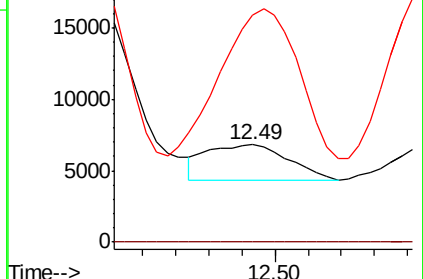
85 732.2 32.0 96.2#

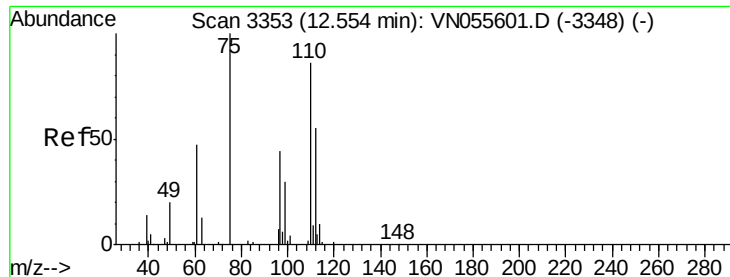


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 21.181 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

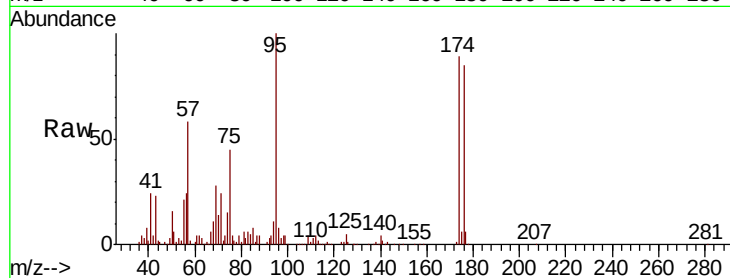
ClientSampleId :

Tot Ion: 75 Resp: 95026

Ion Ratio Lower Upper

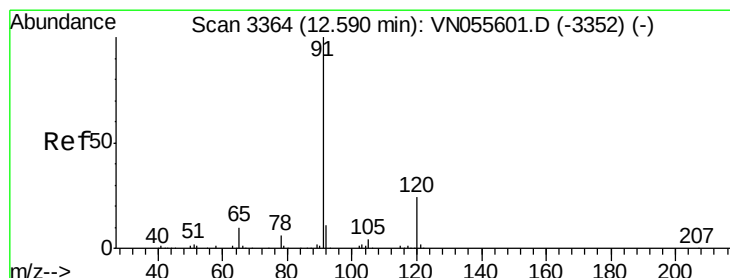
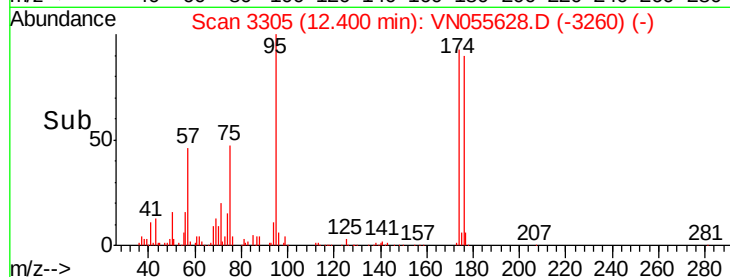
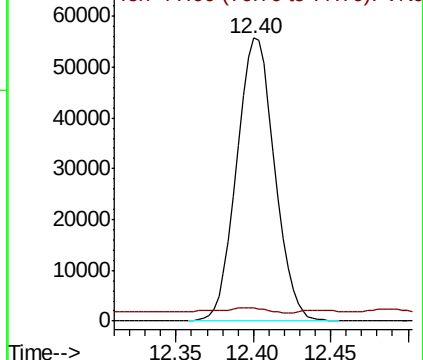
75 100

77 2.4 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: 21.993 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055628.D

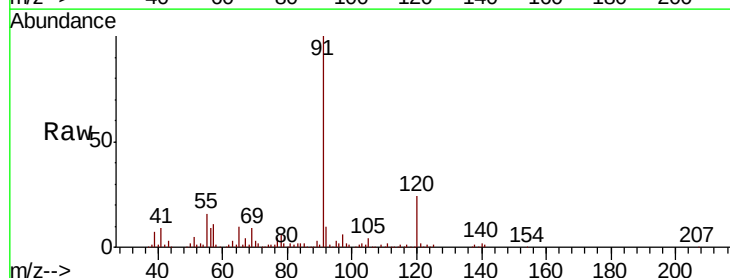
Acq: 17 May 2019 22:16

Tgt Ion: 91 Resp: 429408

Ion Ratio Lower Upper

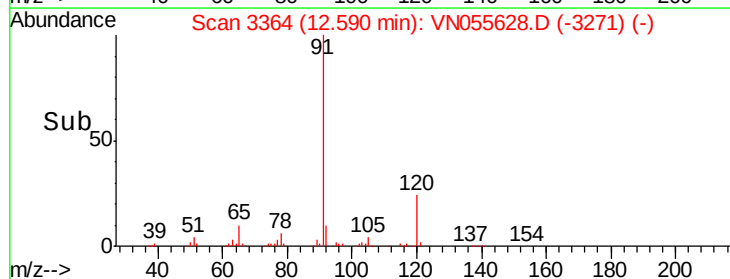
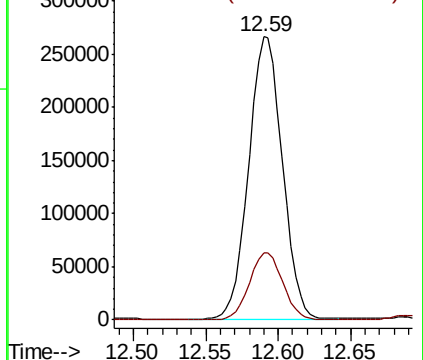
91 100

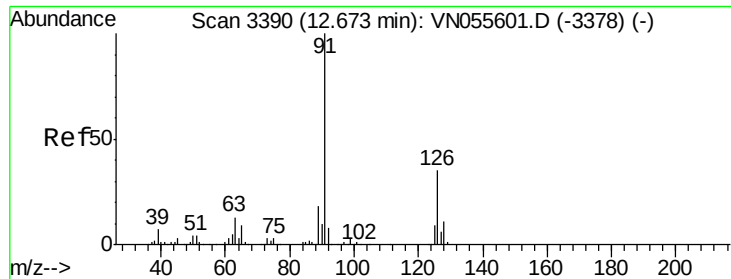
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

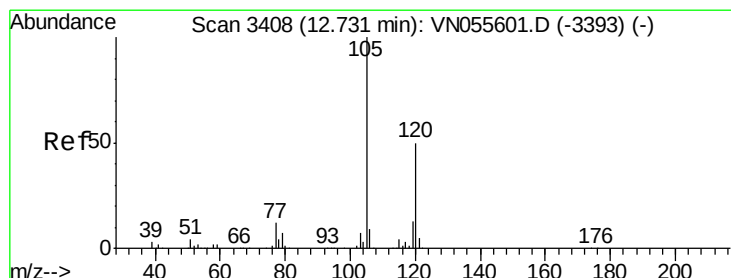
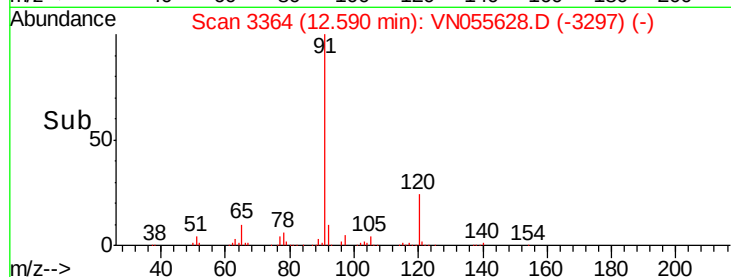
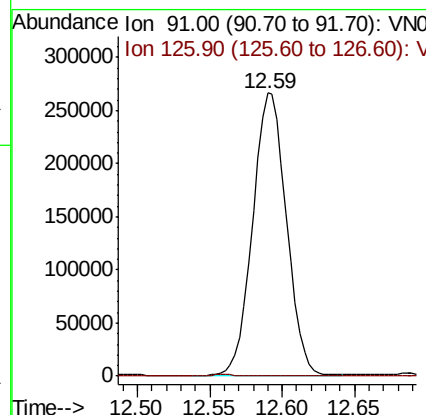
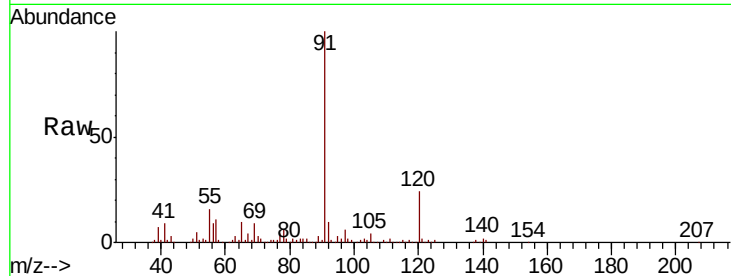




#79
 2-Chlorotoluene
 Concen: 40.785 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

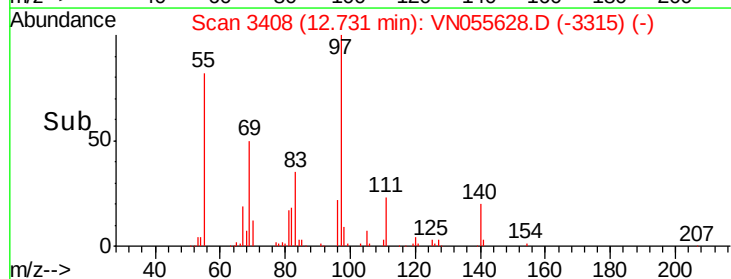
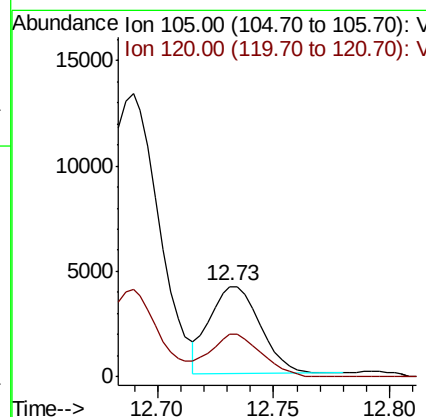
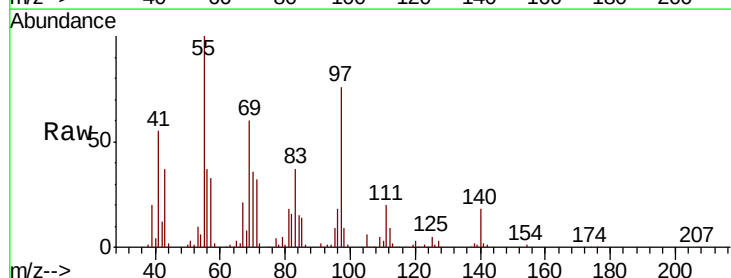
Instrument :
 MSVOA_N
 ClientSampleId :

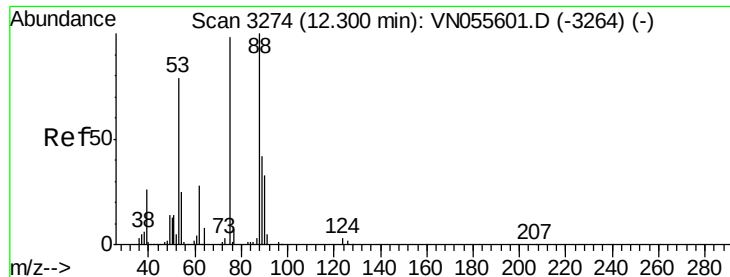
Tot Ion: 91 Resp: 429408
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.4#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

Tgt Ion:105 Resp: 6244
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.448 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampleId :

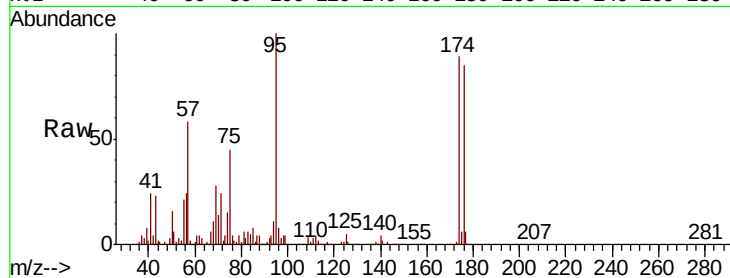
Tot Ion: 75 Resp: 95026

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

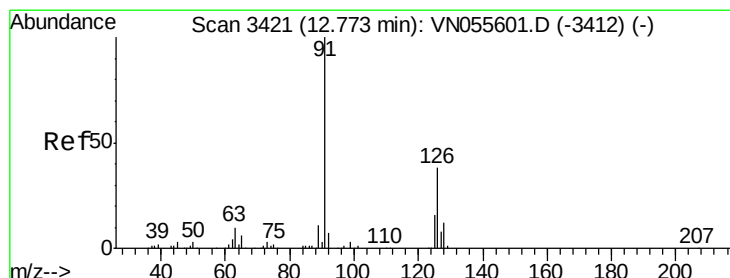
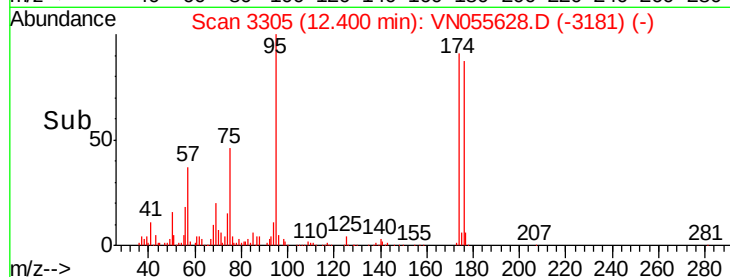
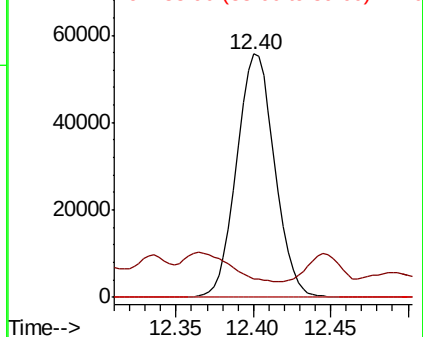
89 0.0 36.4 54.6#



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: 37.327 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN055628.D

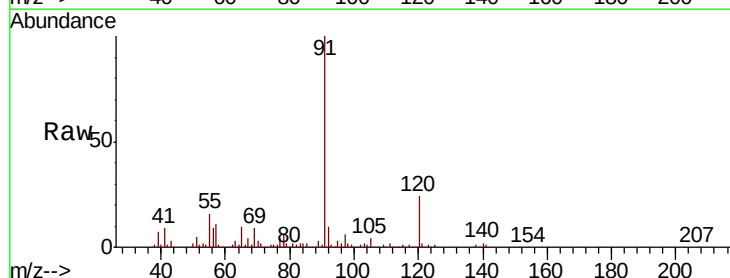
Acq: 17 May 2019 22:16

Tgt Ion: 91 Resp: 429408

Ion Ratio Lower Upper

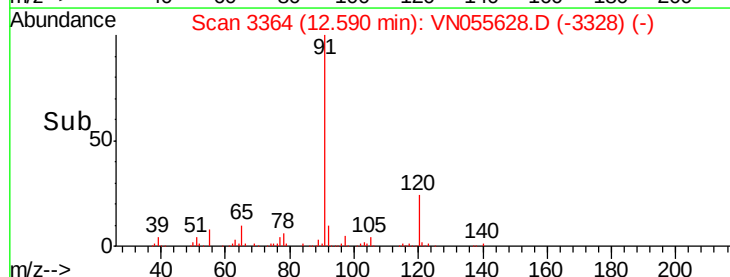
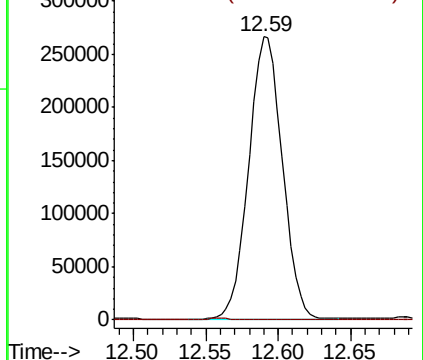
91 100

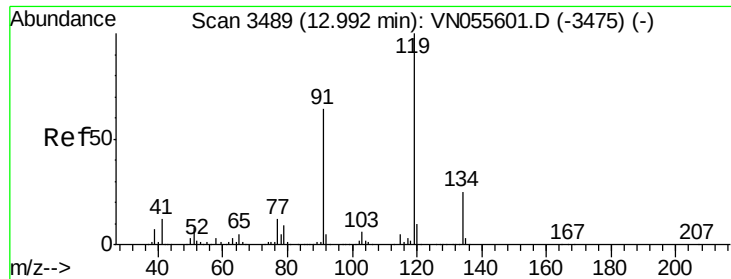
126 0.0 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

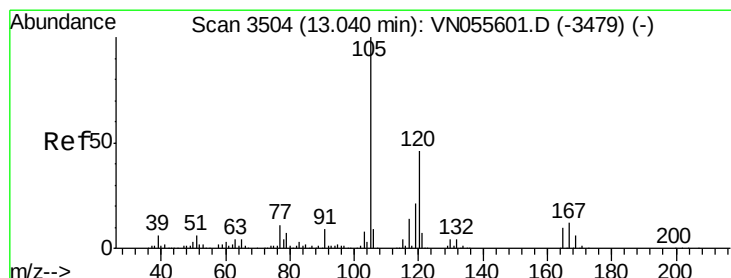
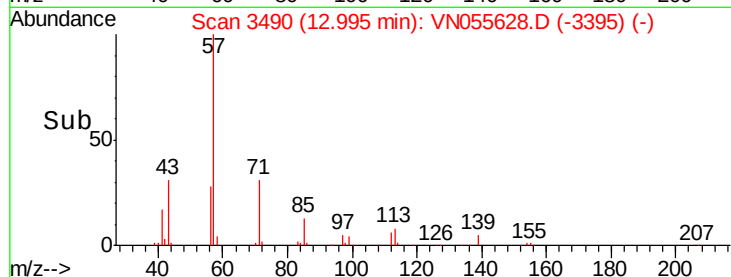
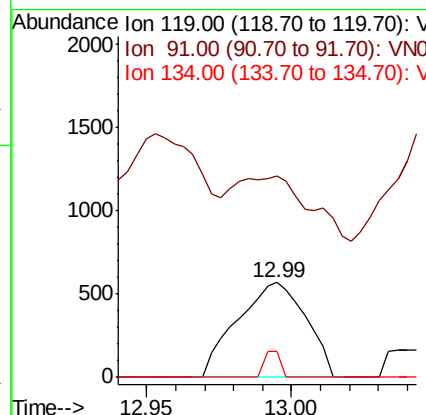
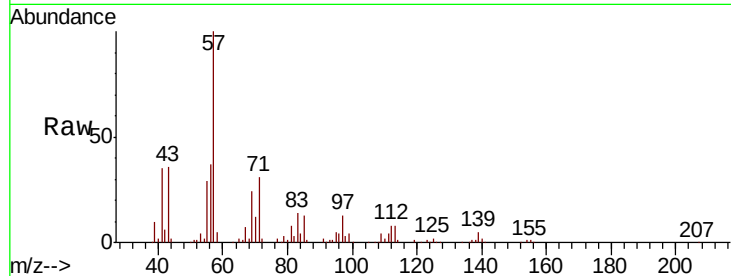




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

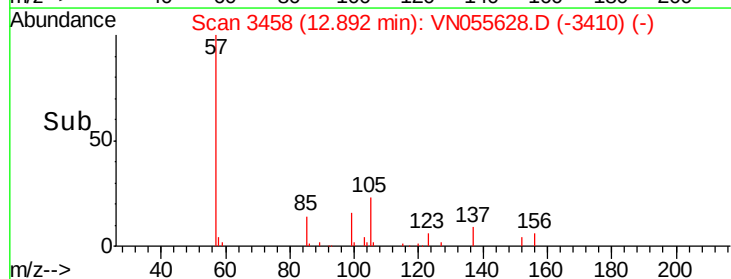
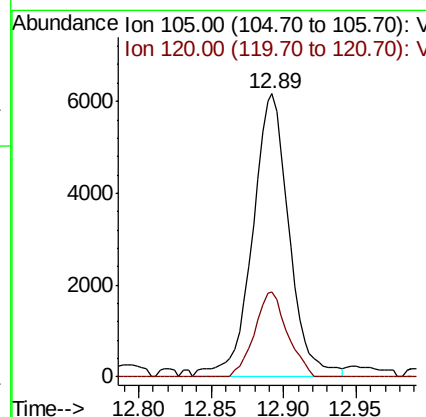
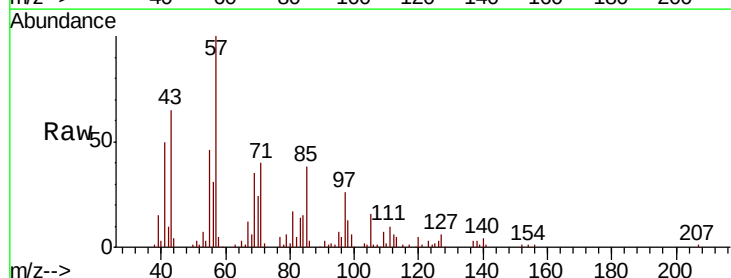
Instrument :
 MSVOA_N
 ClientSampleId :

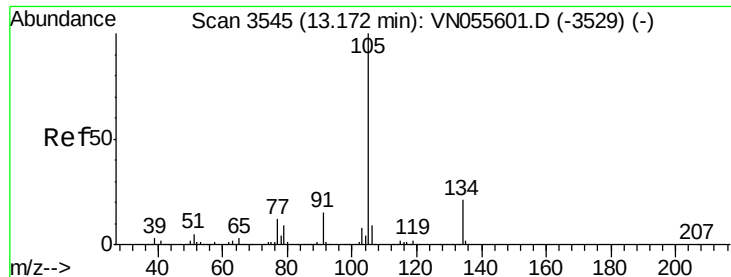
Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	31.3	93.8#
134	0.0	13.2	39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	23.1	69.2

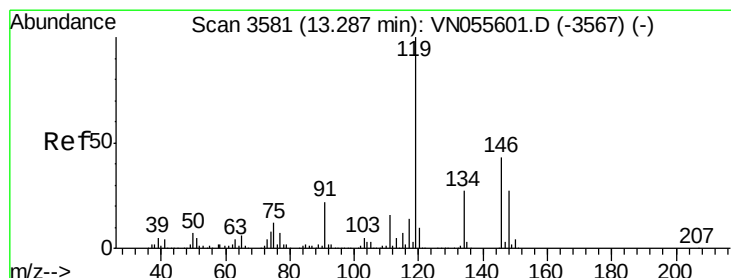
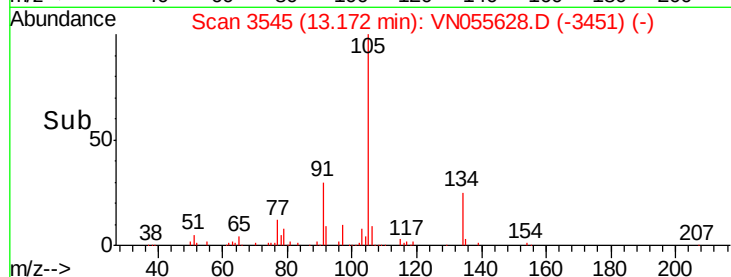
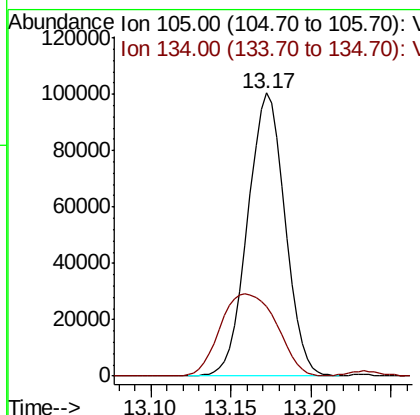
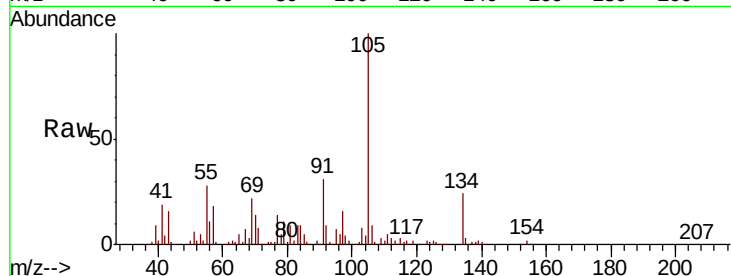




#85
 sec-Butylbenzene
 Concen: 9.075 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

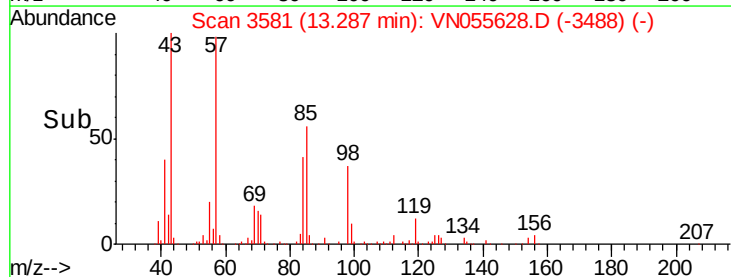
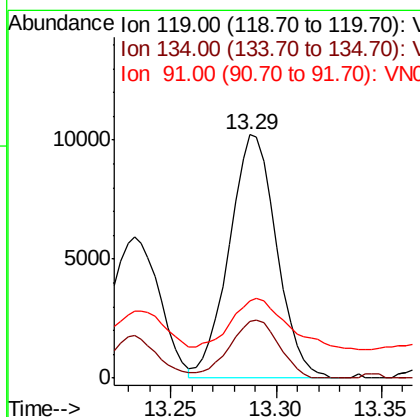
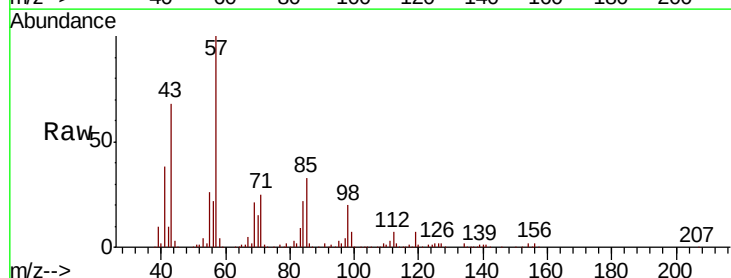
Instrument :
 MSVOA_N
 ClientSampled :

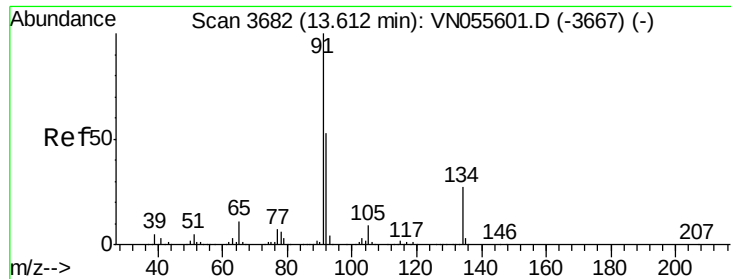
Tot Ion:105 Resp: 159118
 Ion Ratio Lower Upper
 105 100
 134 44.5 10.3 30.9#



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

Tgt Ion:119 Resp: 15947
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.4 40.2#
 91 0.0 11.0 33.0#





#89

n-Butylbenzene

Concen: 35.439 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampled :

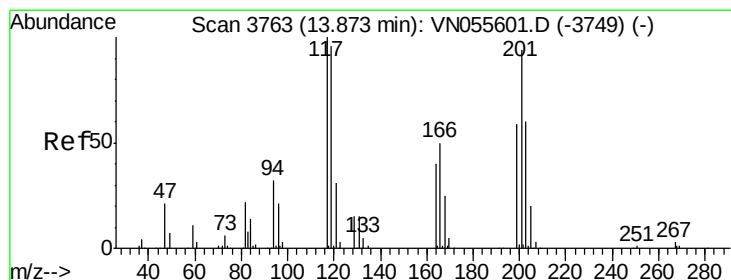
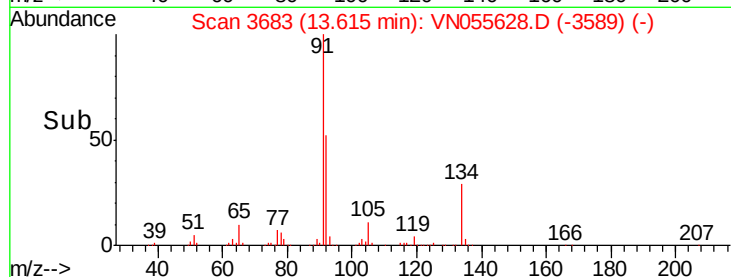
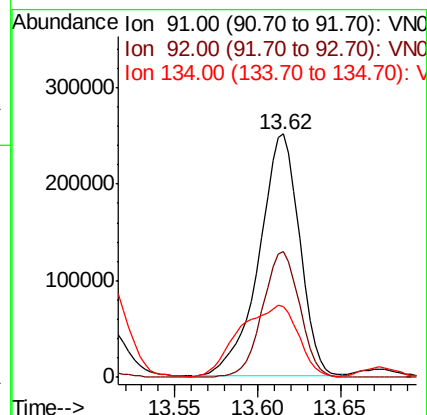
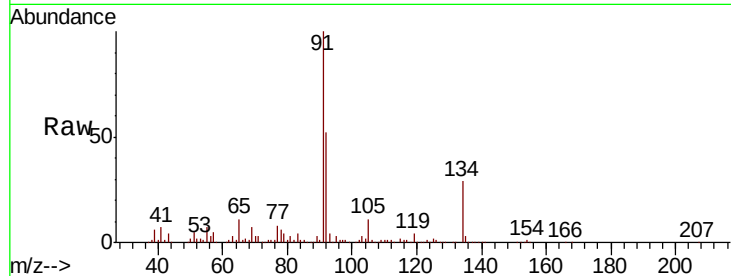
Tot Ion: 91 Resp: 427560

Ion Ratio Lower Upper

91 100

92 47.4 26.4 79.0

134 43.0 13.7 41.1#



#90

Hexachloroethane

Concen: 38.935 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055628.D

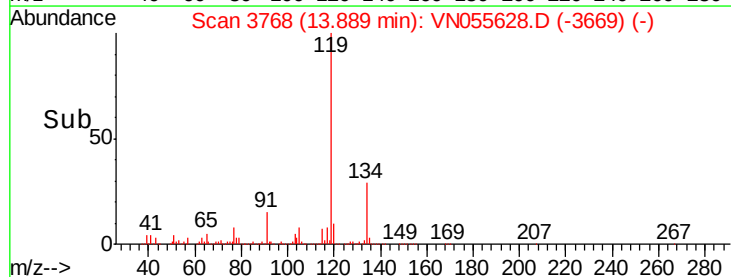
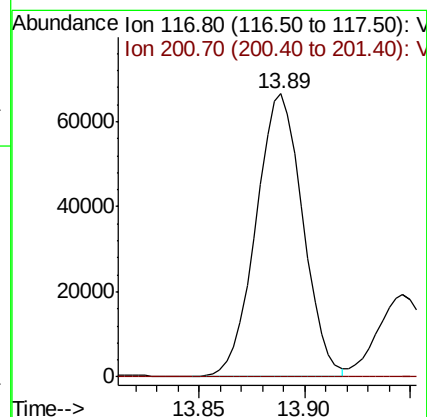
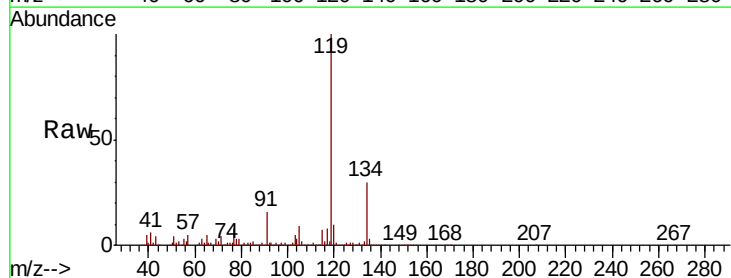
Acq: 17 May 2019 22:16

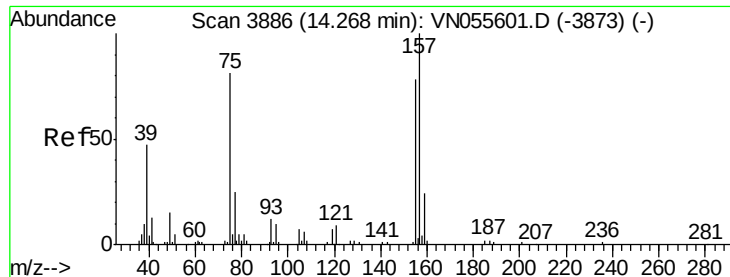
Tgt Ion: 117 Resp: 103054

Ion Ratio Lower Upper

117 100

201 0.0 47.1 141.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.755 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.03 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampled :

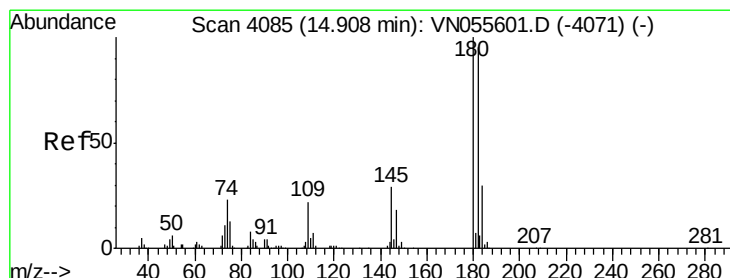
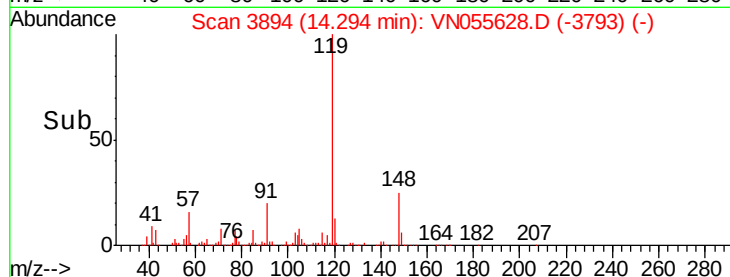
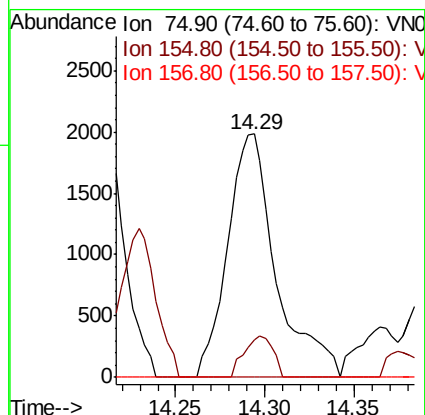
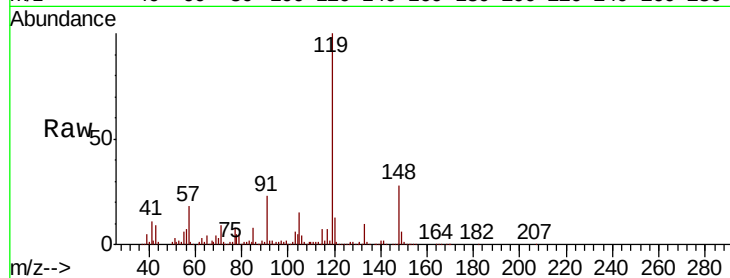
Tot Ion: 75 Resp: 3747

Ion Ratio Lower Upper

75 100

155 10.1 48.4 145.0#

157 0.0 62.3 186.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

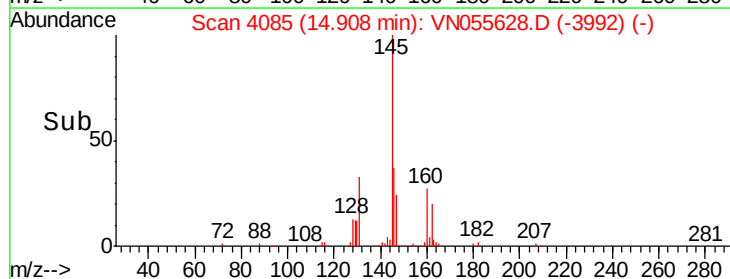
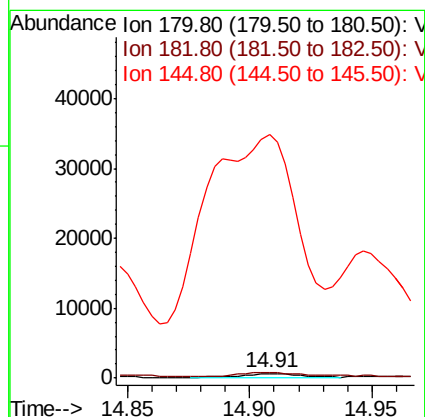
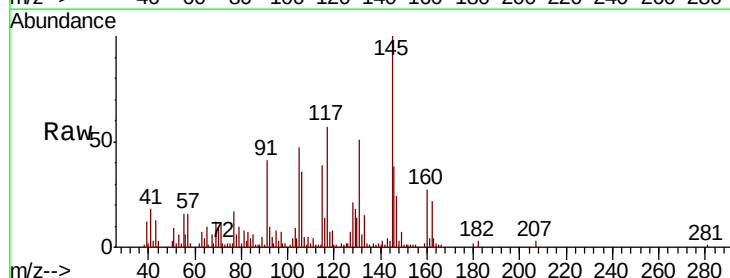
Tgt Ion: 180 Resp: 1130

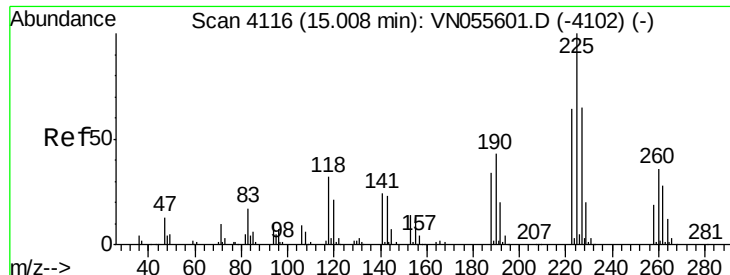
Ion Ratio Lower Upper

180 100

182 99.6 47.9 143.6

145 6338.6 14.3 42.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

Instrument :

MSVOA_N

ClientSampled :

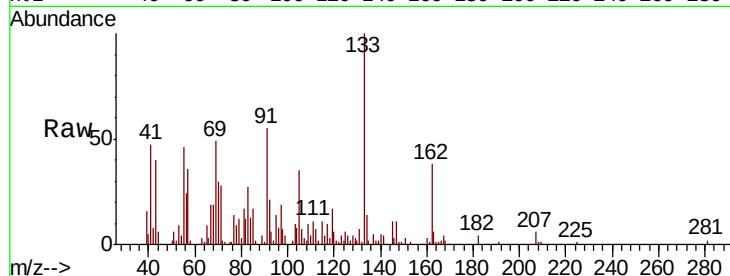
Tot Ion:225 Resp: 96

Ion Ratio Lower Upper

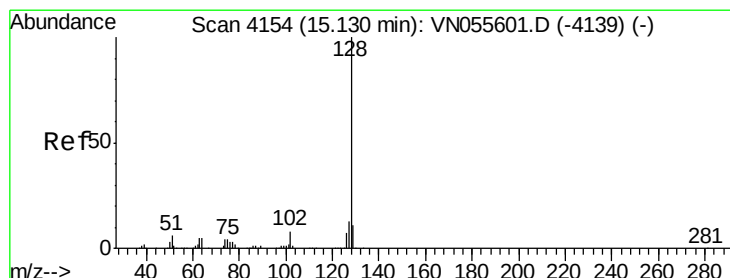
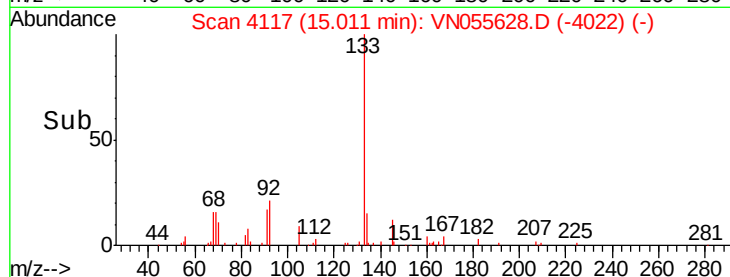
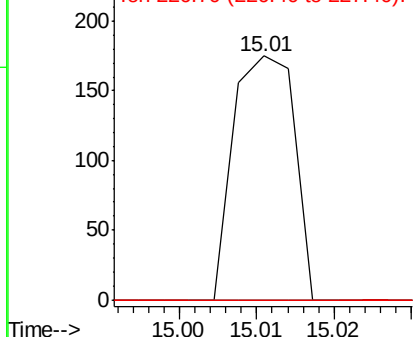
225 100

223 0.0 31.6 94.7#

227 0.0 32.4 97.0#



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: 2.641 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.02 min

Lab File: VN055628.D

Acq: 17 May 2019 22:16

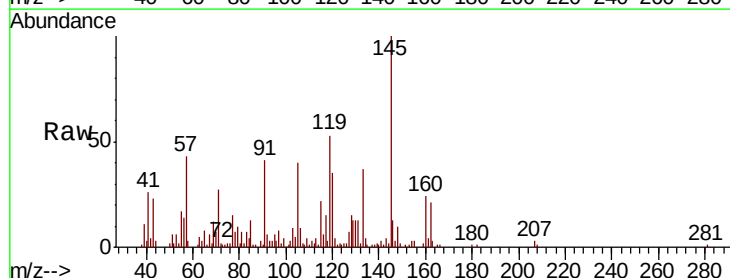
Tgt Ion:128 Resp: 10387

Ion Ratio Lower Upper

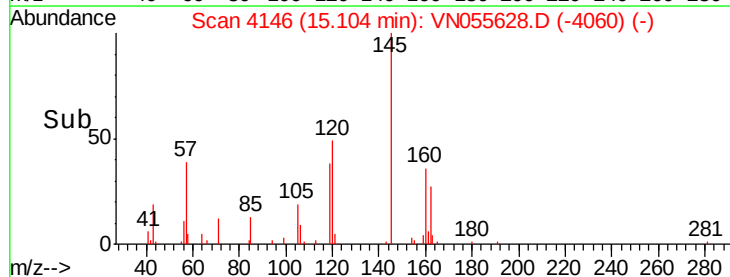
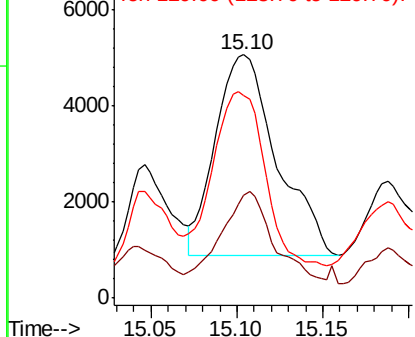
128 100

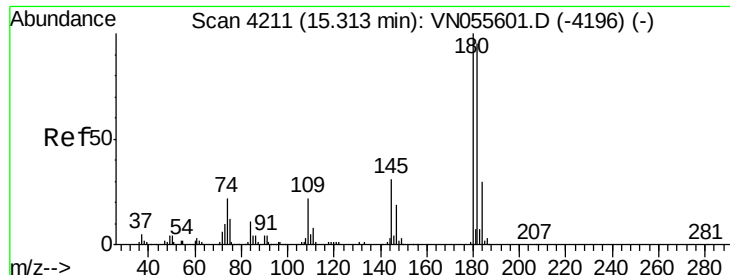
127 34.6 10.2 15.4#

129 72.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

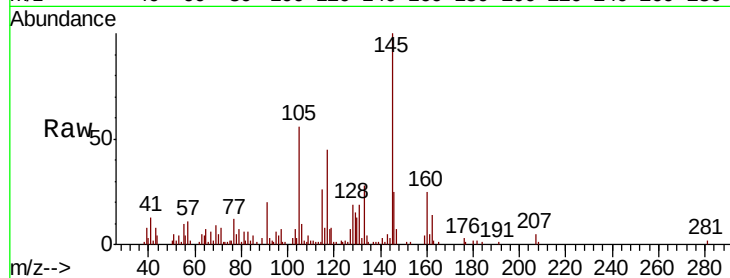




#96
 1,2,3-Trichlorobenzene
 Concen: 0.313 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055628.D
 Acq: 17 May 2019 22:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.9	143.6
145	0.0	15.4	46.1#



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

