

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056343.D
 Acq On : 17 Jun 2019 16:22
 Operator : JC/SP
 Sample : K3366-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 04:36:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	335546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	569050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	194375	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.59	113	168102	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	10.09	98	719124	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	249387	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.82	59	1699	2.862	ug/l #	73
13) Acrolein	3.60	56	61	3.532	ug/l #	32
14) Allyl chloride	4.54	41	4945	0.947	ug/l #	28
16) Acetone	3.82	43	23968	11.497	ug/l	95
17) Carbon Disulfide	4.04	76	3116	0.374	ug/l #	75
18) Methyl Acetate	4.34	43	5263	Below Cal	#	67
20) Methylene Chloride	4.54	84	120557	32.749	ug/l	98
25) 2-Butanone	6.85	43	10463	4.141	ug/l	96
29) Tetrahydrofuran	7.23	42	2325	1.549	ug/l #	83
30) Chloroform	7.36	83	3555	0.593	ug/l	85
31) Cyclohexane	7.66	56	5584	0.960	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21553	4.209	ug/l #	49
37) Ethyl Acetate	6.85	43	10463	2.156	ug/l #	68
38) Carbon Tetrachloride	7.66	117	28790	5.858	ug/l #	16
40) Benzene	8.04	78	3982	0.256	ug/l	96
41) Methacrylonitrile	7.22	41	827	0.371	ug/l #	32
43) Isopropyl Acetate	8.17	43	13187	1.699	ug/l	95
45) 1,2-Dichloropropane	9.27	63	1475	0.359	ug/l #	44
48) Methyl methacrylate	9.18	41	8638	2.206	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	6888	1.392	ug/l	90
52) Toluene	10.16	92	4210	0.444	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	48284	8.089	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	10122	1.542	ug/l #	42
59) 2-Hexanone	10.76	43	141001	38.427	ug/l #	52
68) m/p-Xylenes	11.62	106	6245	0.820	ug/l	99
69) o-Xylene	11.95	106	3793	0.505	ug/l	96
71) Bromoform	12.40	173	1513	0.439	ug/l #	1
73) Isopropylbenzene	12.25	105	222	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.41	83	174	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	114371	26.447	ug/l #	100
79) 2-Chlorotoluene	12.68	91	452	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	114371	82.167	ug/l #	13
83) tert-Butylbenzene	13.04	119	299	Below Cal	#	46
84) 1,2,4-Trimethylbenzene	13.04	105	3036	0.231	ug/l	94

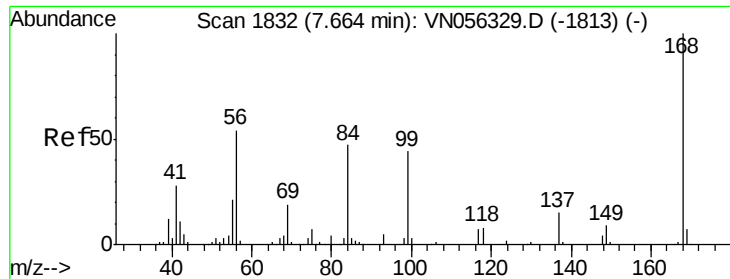
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056343.D
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Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.99	117	281	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	14.91	180	186	5.354	ug/l #	12
95) Naphthalene	15.13	128	2303	4.886	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.32	180	254	3.867	ug/l #	42

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

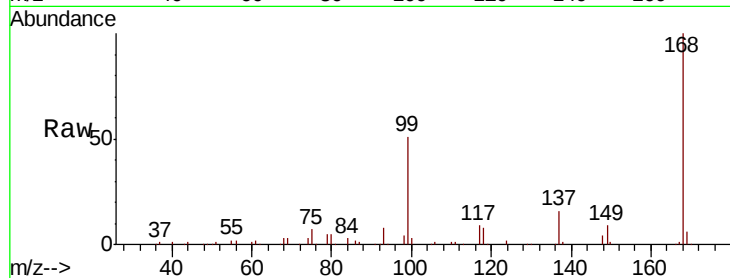
ClientSampleId :

Tot Ion:168 Resp: 33546

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

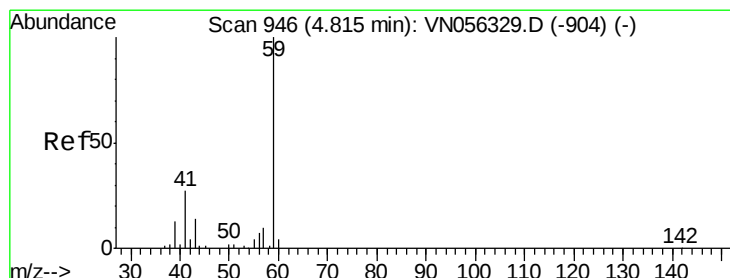
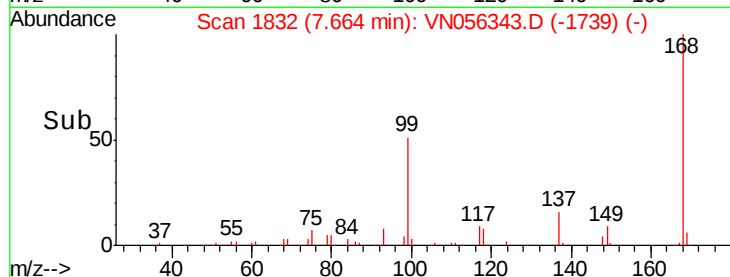
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 2.862 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.00 min

Lab File: VN056343.D

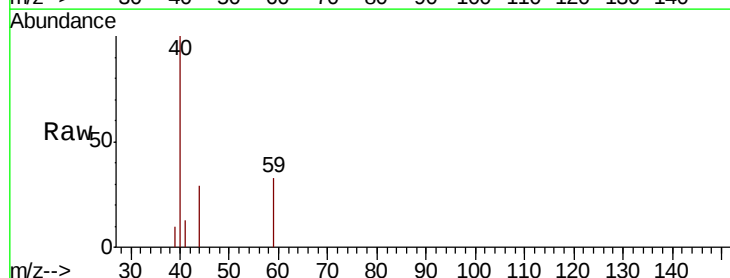
Acq: 17 Jun 2019 16:22

Tgt Ion: 59 Resp: 1699

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.82

600

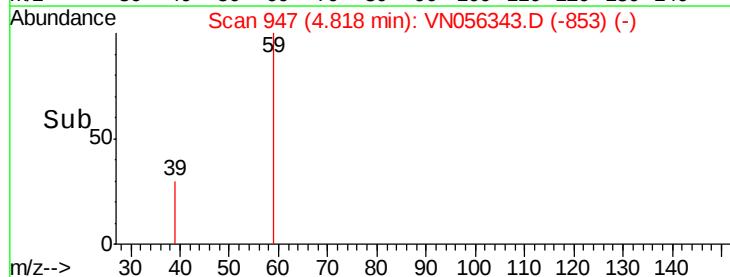
400

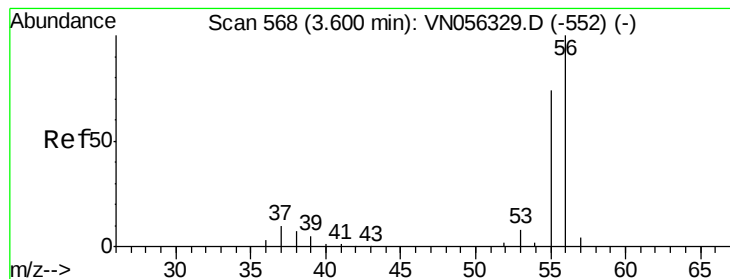
200

0

Time-->

4.75 4.80 4.85 4.90





#13

Acrolein

Concen: 3.532 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

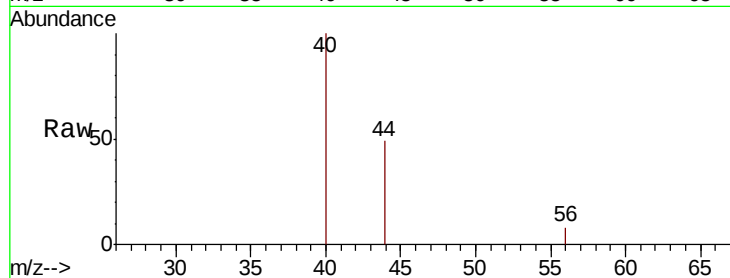
ClientSampleId :

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

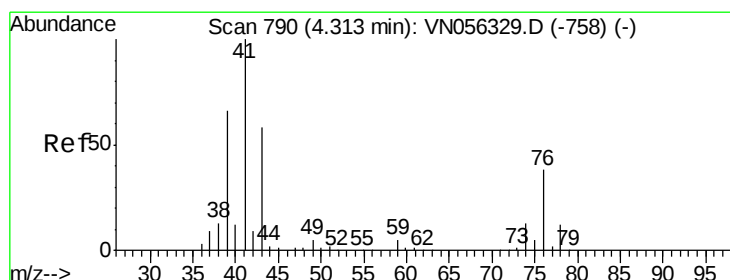
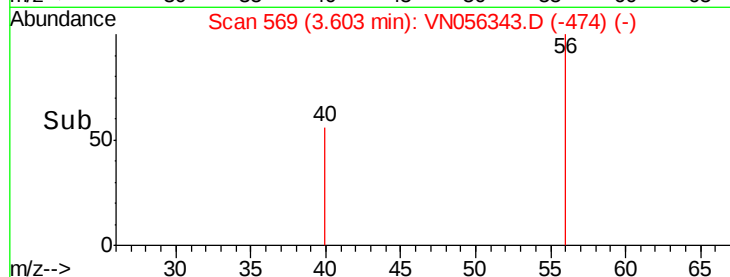
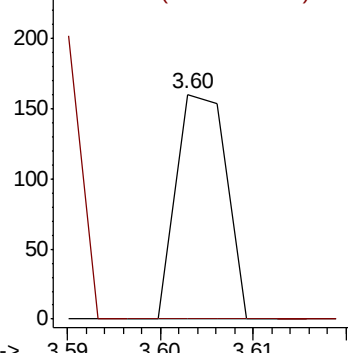
56 100

55 126.2 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.947 ug/l

RT: 4.54 min Scan# 860

Delta R.T. 0.23 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

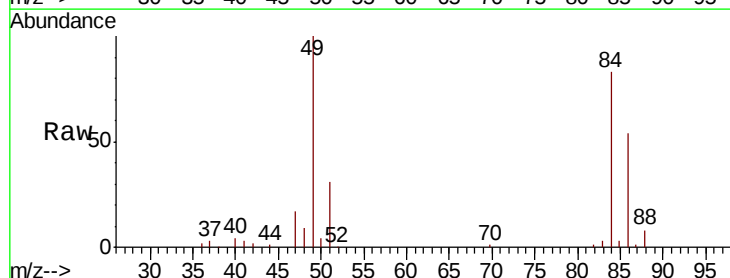
Tgt Ion: 41 Resp: 4945

Ion Ratio Lower Upper

41 100

39 0.6 48.9 73.3#

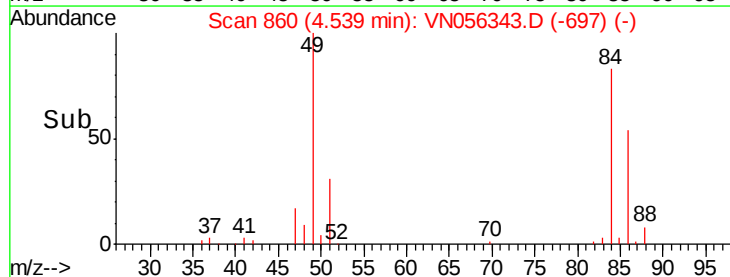
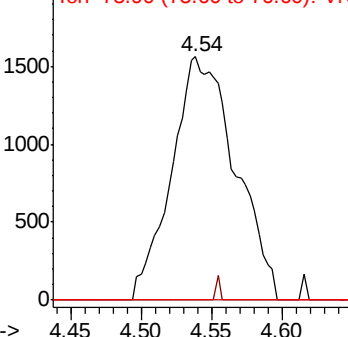
76 0.0 27.2 40.8#

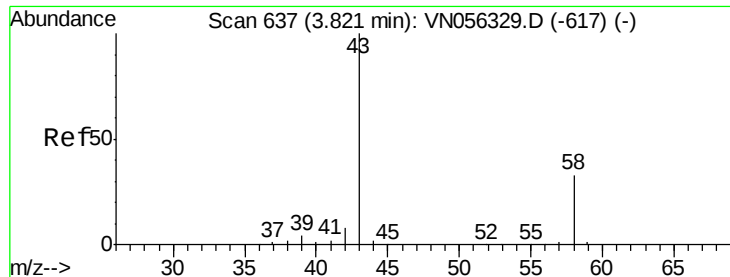


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 11.497 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

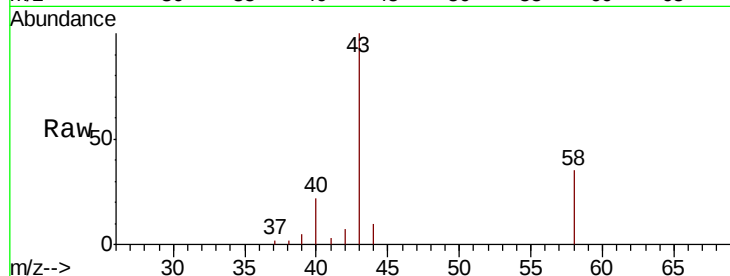
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 23968

Ion Ratio Lower Upper

43 100

58 35.7 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

10000

8000

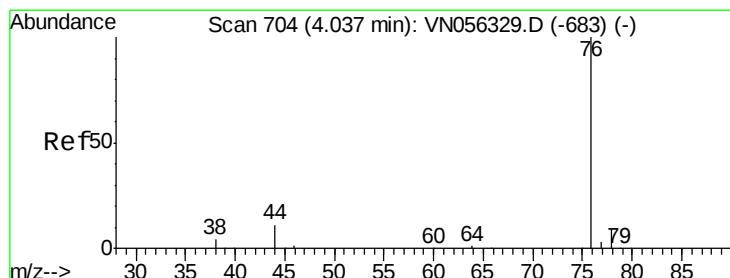
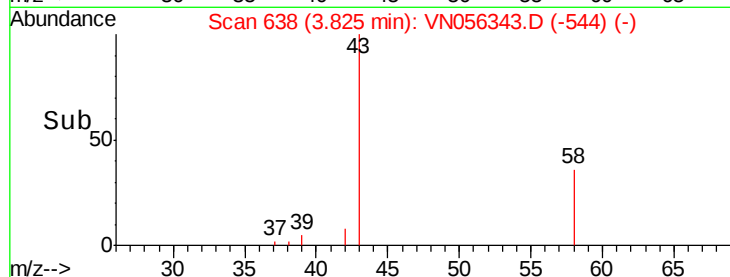
6000

4000

2000

0

Time--> 3.70 3.80 3.90



#17

Carbon Disulfide

Concen: 0.374 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056343.D

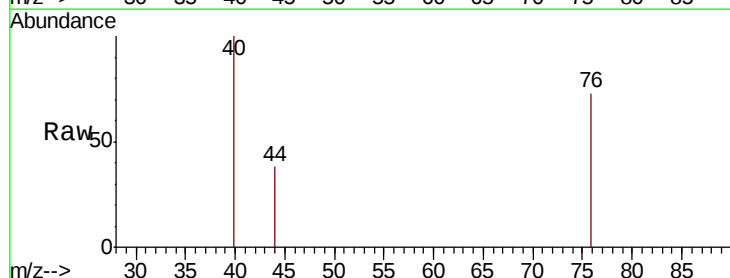
Acq: 17 Jun 2019 16:22

Tgt Ion: 76 Resp: 3116

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

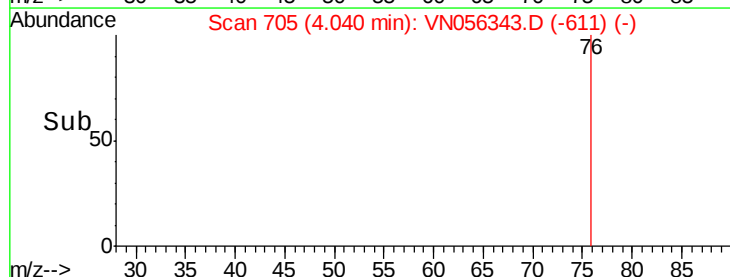
1500

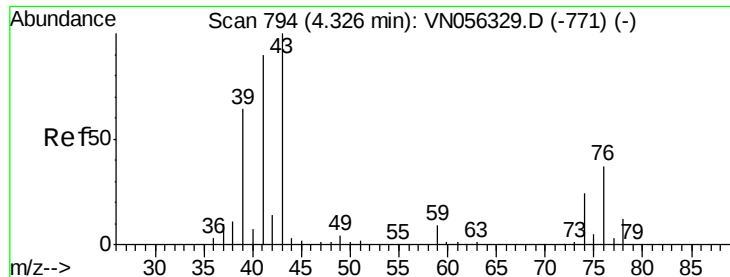
1000

500

0

Time--> 4.00 4.05 4.10

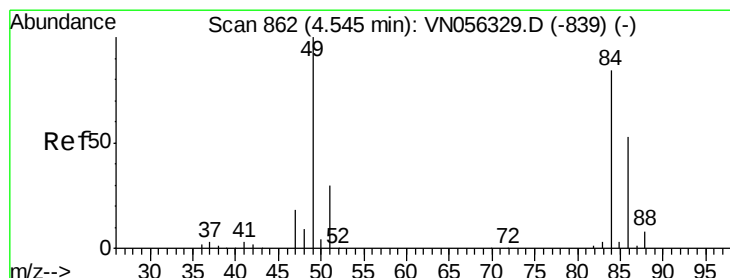
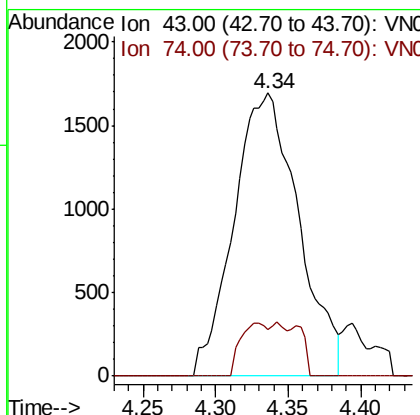
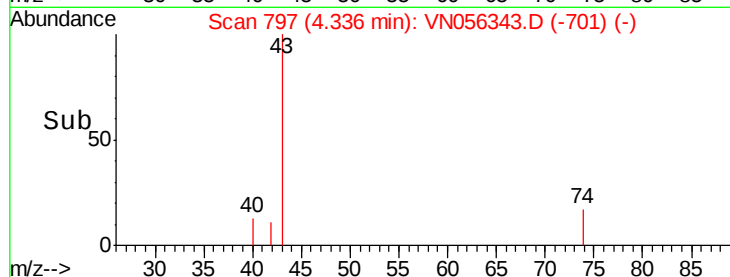
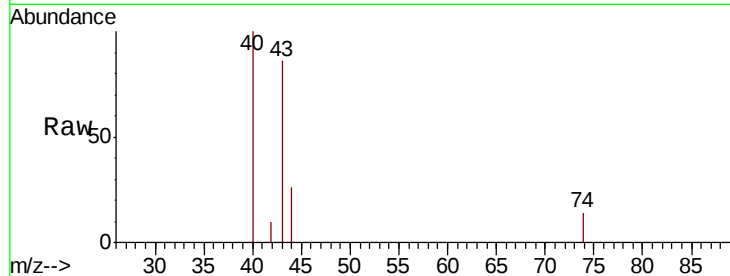




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

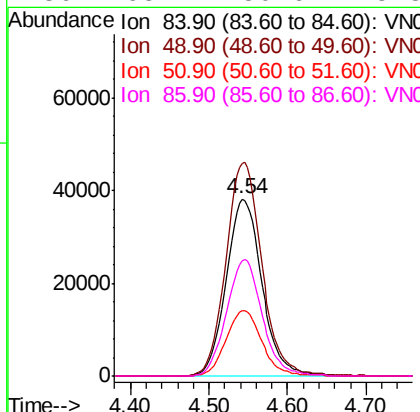
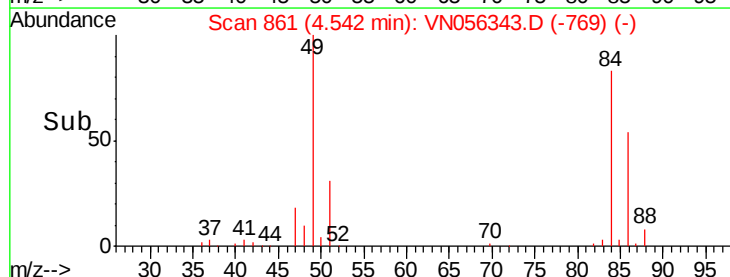
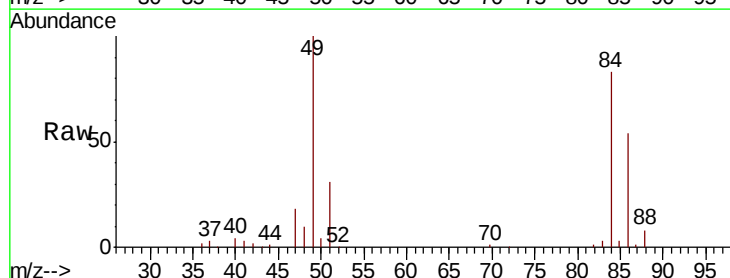
Instrument :
MSVOA_N
ClientSampleId :

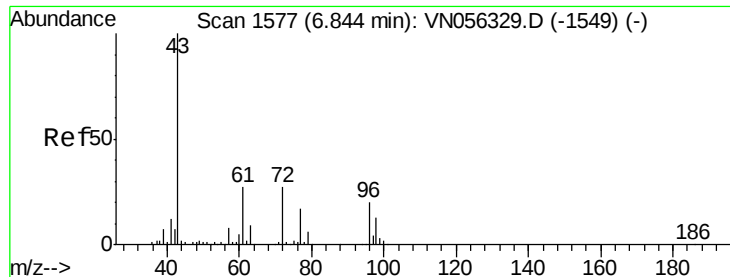
Tot Ion: 43 Resp: 5263
Ion Ratio Lower Upper
43 100
74 7.9 19.4 29.2#



#20
Methylene Chloride
Concen: 32.749 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 84 Resp: 120557
Ion Ratio Lower Upper
84 100
49 120.6 95.0 142.6
51 37.2 28.2 42.4
86 65.4 50.6 75.8





#25

2-Butanone

Concen: 4.141 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

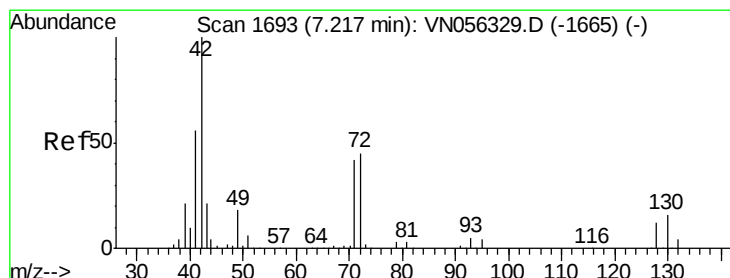
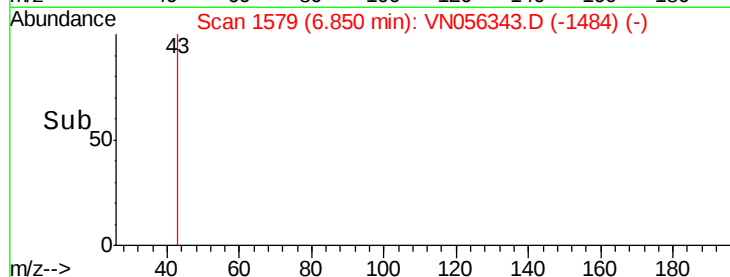
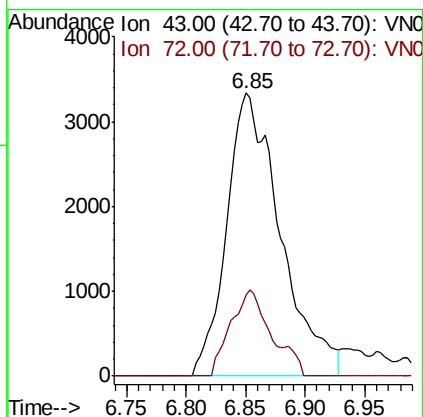
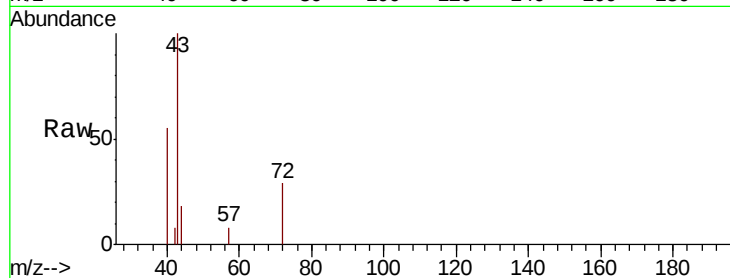
ClientSampleId :

Tot Ion: 43 Resp: 10463

Ion Ratio Lower Upper

43 100

72 28.8 21.4 32.2



#29

Tetrahydrofuran

Concen: 1.549 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

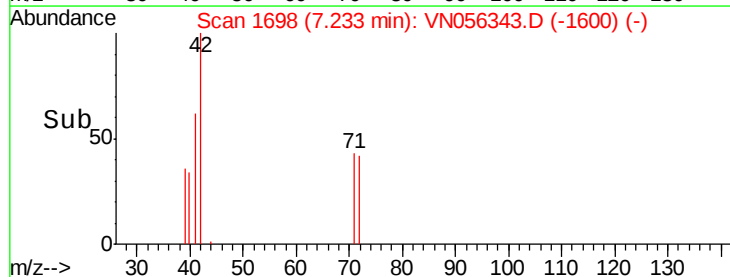
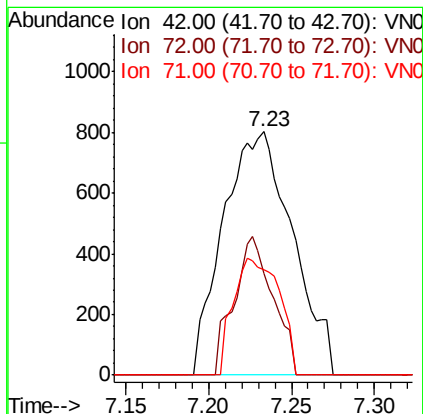
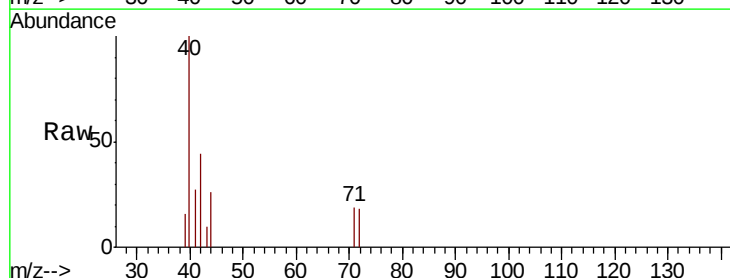
Tgt Ion: 42 Resp: 2325

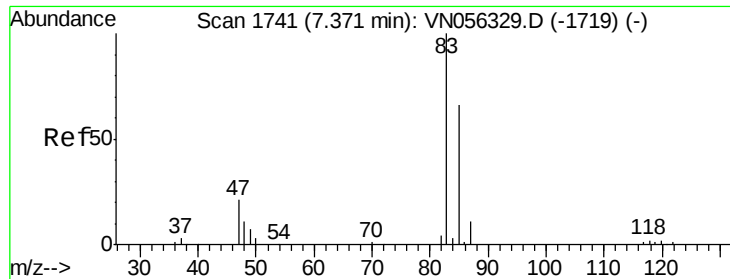
Ion Ratio Lower Upper

42 100

72 32.1 35.3 52.9#

71 31.7 32.7 49.1#

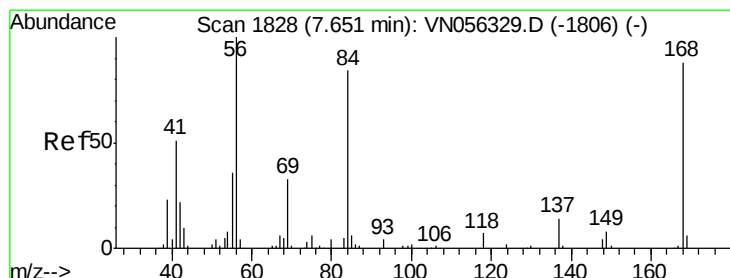
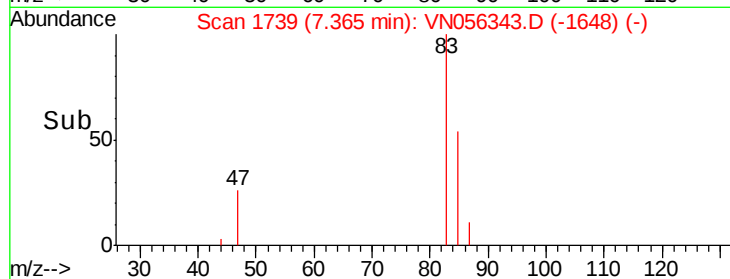
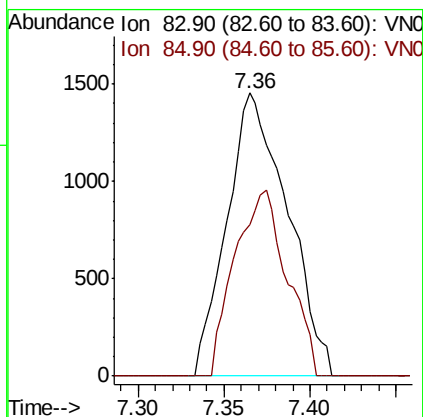
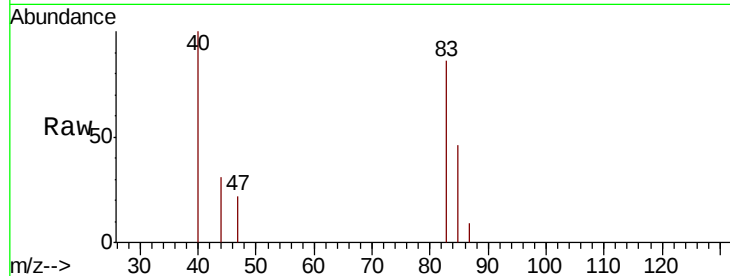




#30
Chloroform
Concen: 0.593 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

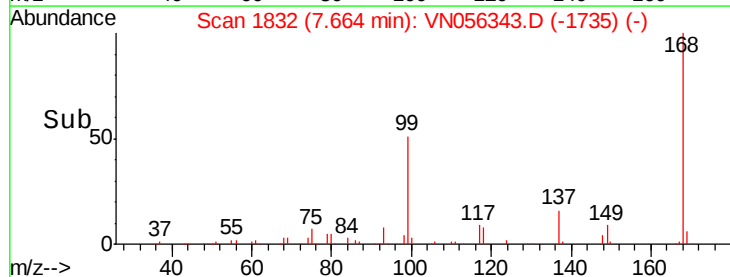
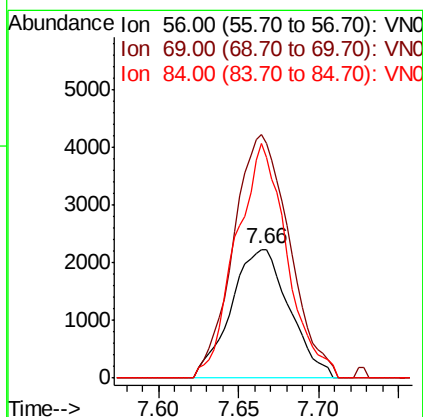
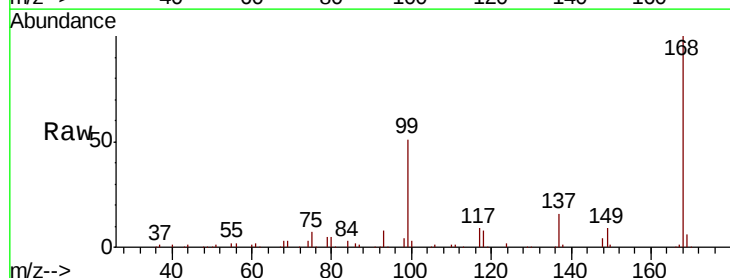
Instrument :
MSVOA_N
ClientSampleId :

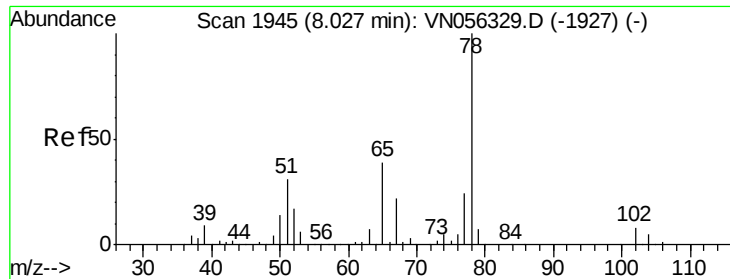
Tot Ion: 83 Resp: 3555
Ion Ratio Lower Upper
83 100
85 53.6 52.6 78.8



#31
Cyclohexane
Concen: 0.960 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 56 Resp: 5584
Ion Ratio Lower Upper
56 100
69 189.4 26.0 39.0#
84 182.3 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.519 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

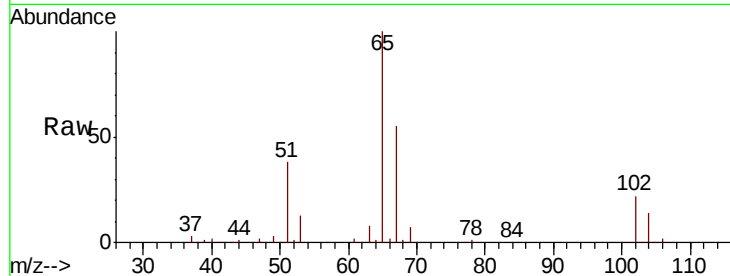
ClientSampleId :

Tot Ion: 65 Resp: 194375

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.8

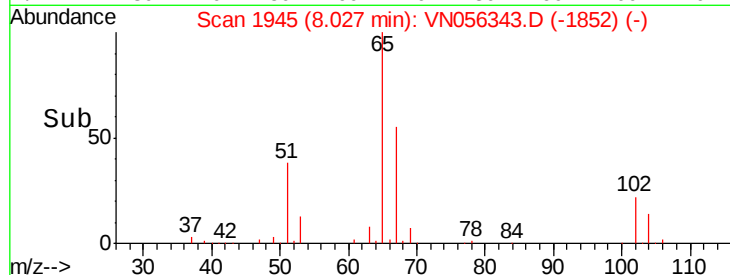


Abundance Ion 64.90 (64.60 to 65.60): VN056329.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056329.D (-1927) (-)

8.03

Time-->

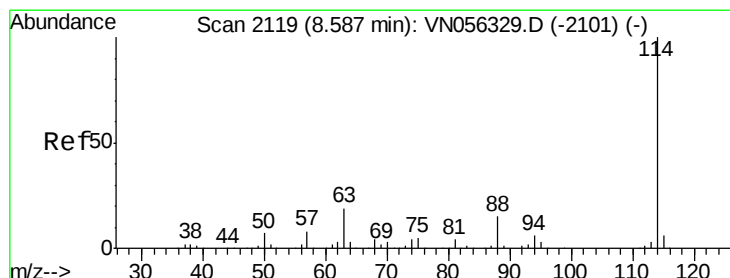


Abundance Ion 64.90 (64.60 to 65.60): VN056343.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN056343.D (-1852) (-)

8.03

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

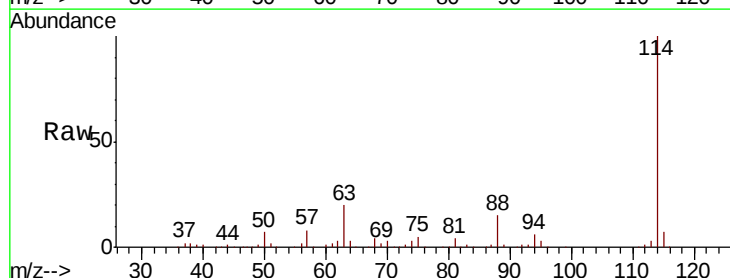
Tgt Ion: 114 Resp: 569050

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

88 14.9 0.0 30.6



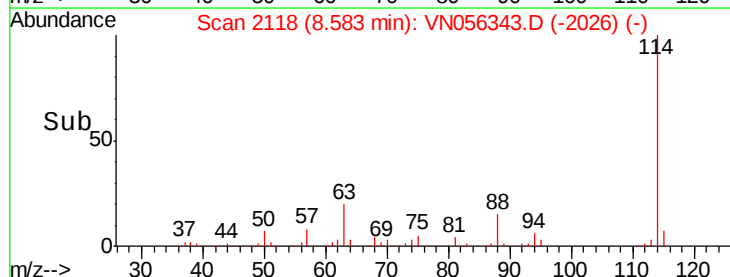
Abundance Ion 113.90 (113.60 to 114.60): VN056329.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056329.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056329.D (-2101) (-)

8.58

Time-->



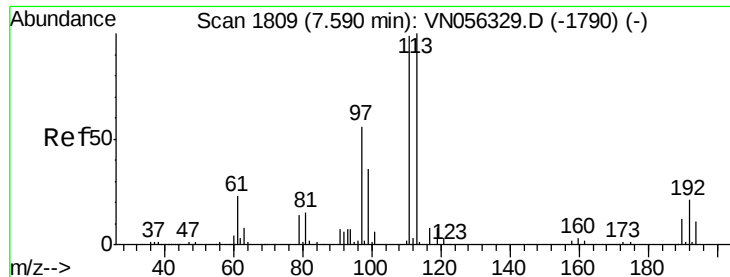
Abundance Ion 113.90 (113.60 to 114.60): VN056343.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN056343.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN056343.D (-2026) (-)

8.58

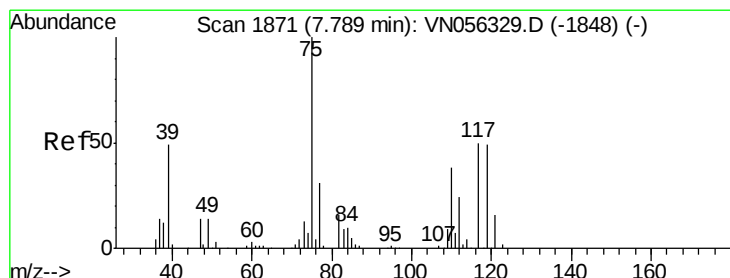
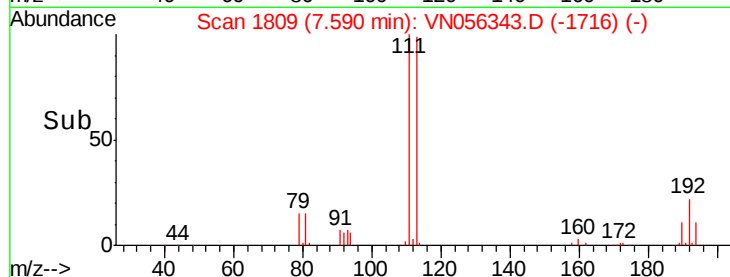
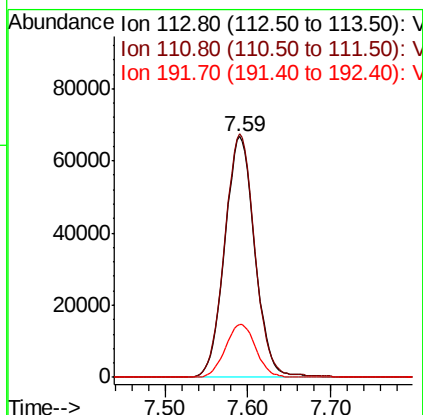
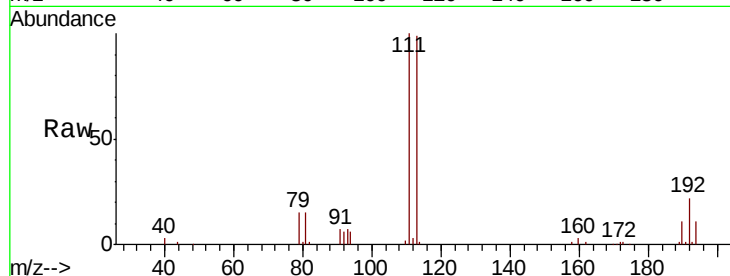
Time-->



#35
 Dibromofluoromethane
 Concen: 46.065 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

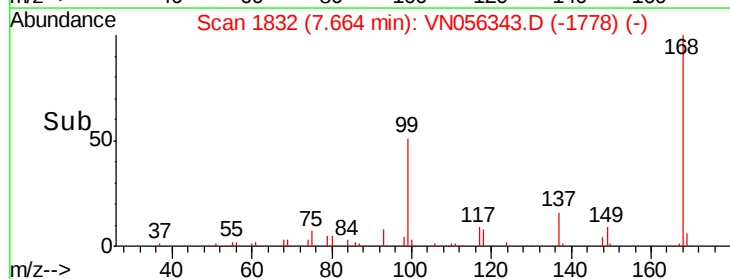
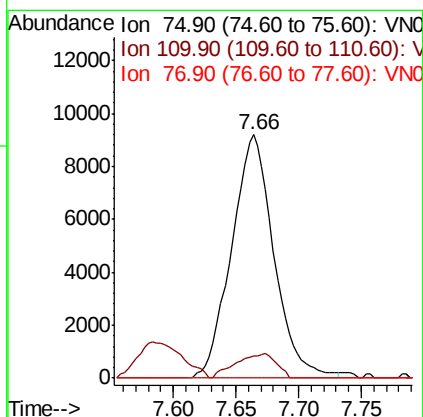
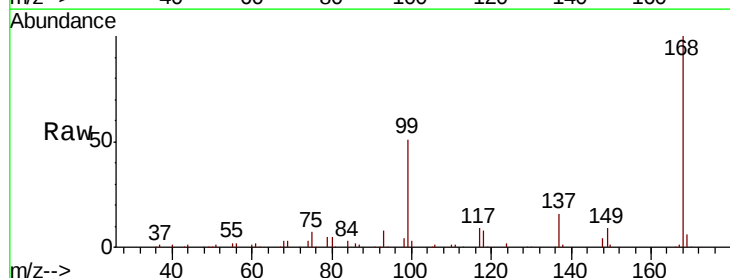
Instrument :
 MSVOA_N
 ClientSampled :

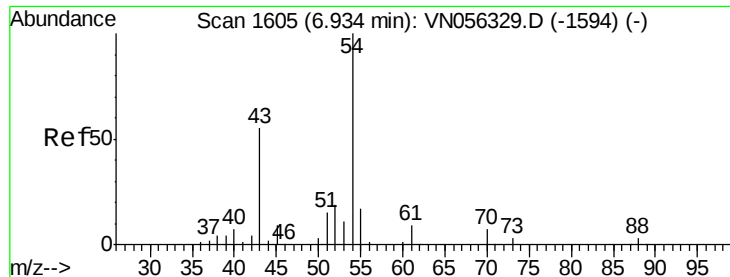
Tot Ion:113 Resp: 168102
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.1 123.1
 192 22.3 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 4.209 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

Tgt Ion: 75 Resp: 21553
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.6 56.0#
 77 0.0 25.0 37.6#

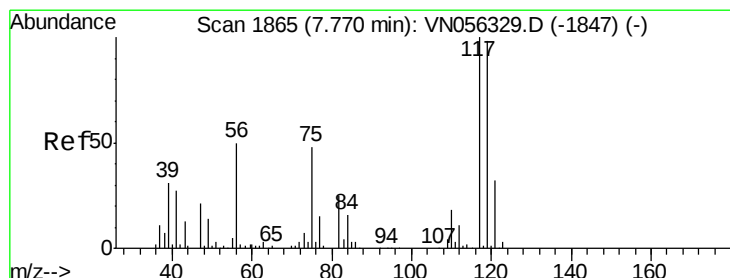
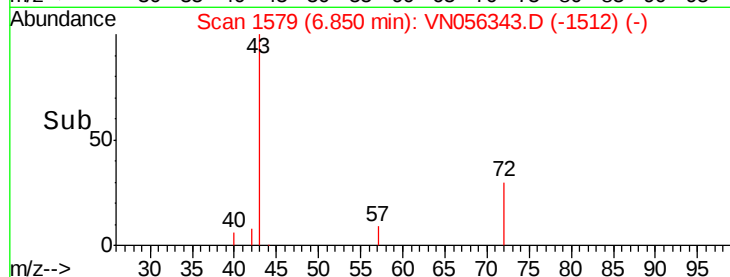
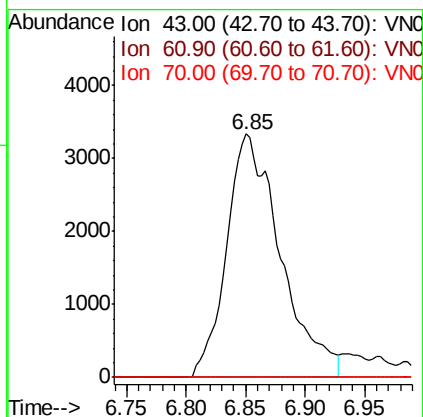
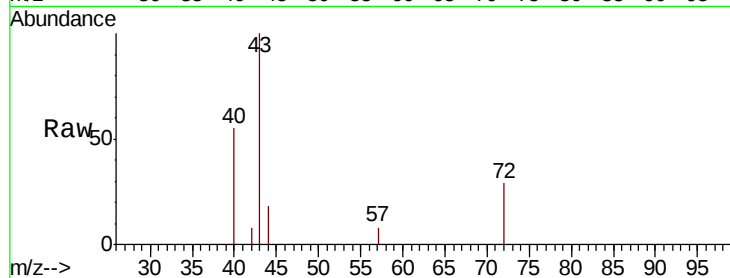




#37
Ethyl Acetate
Concen: 2.156 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. -0.08 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

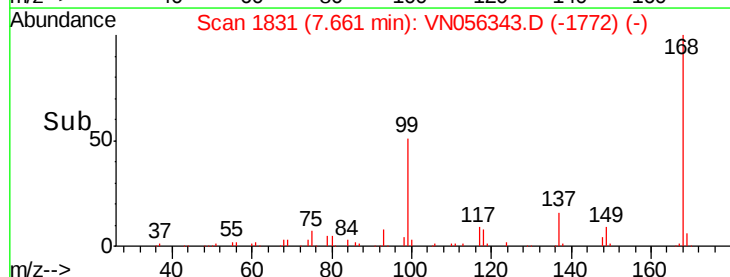
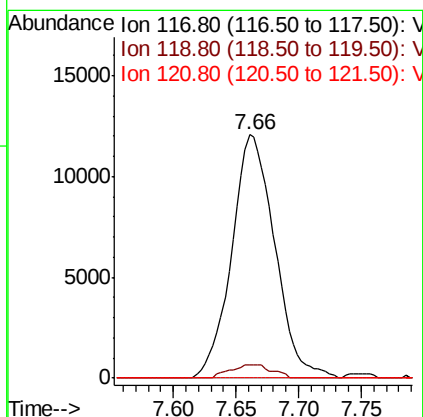
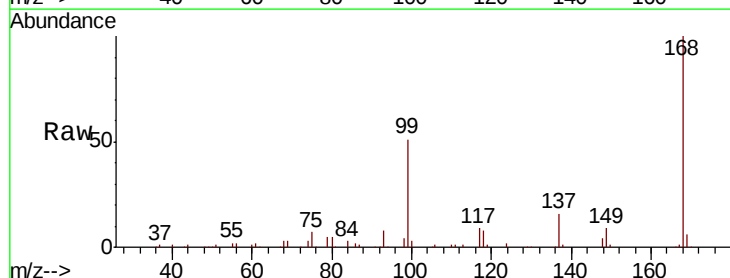
Instrument :
MSVOA_N
ClientSampleId :

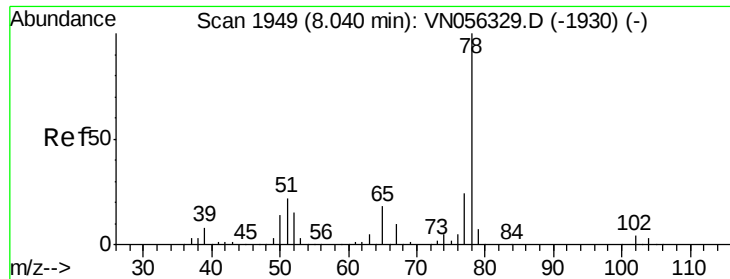
Tot Ion: 43 Resp: 10463
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 117 Resp: 28790
Ion Ratio Lower Upper
117 100
119 5.6 77.8 116.8#
121 0.0 25.3 37.9#





#40

Benzene

Concen: 0.256 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

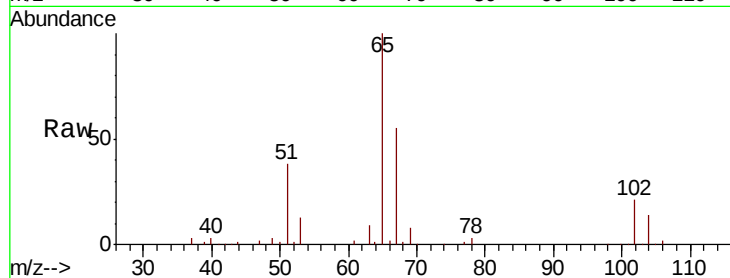
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 3982

Ion Ratio Lower Upper

78 100

77 22.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

1500

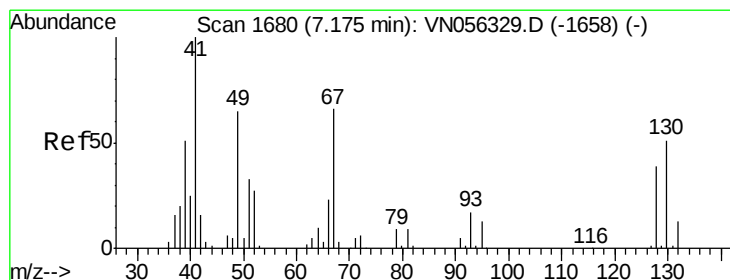
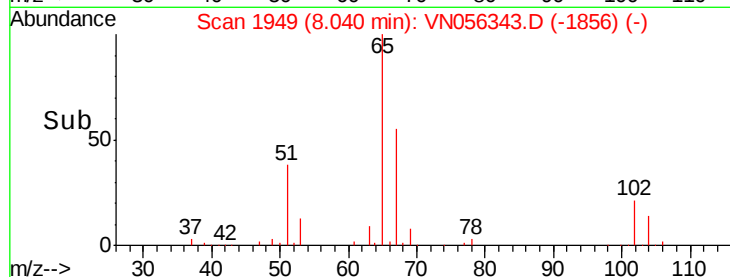
1000

500

0

8.00 8.05 8.10

Time-->



#41

Methacrylonitrile

Concen: 0.371 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.05 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Tgt Ion: 41 Resp: 827

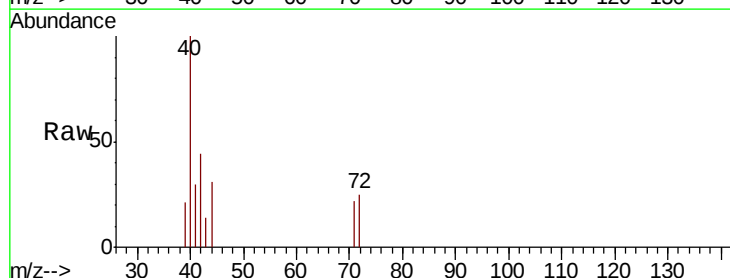
Ion Ratio Lower Upper

41 100

39 78.5 44.5 66.7#

67 0.0 69.0 103.4#

52 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

800

600

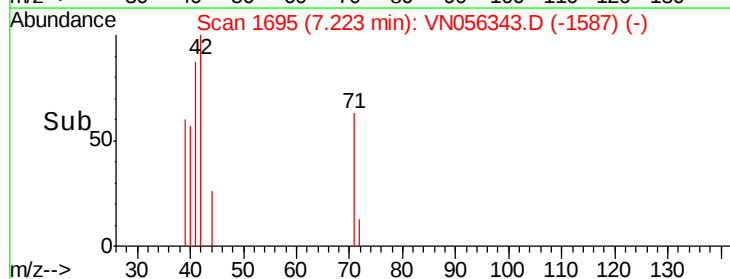
400

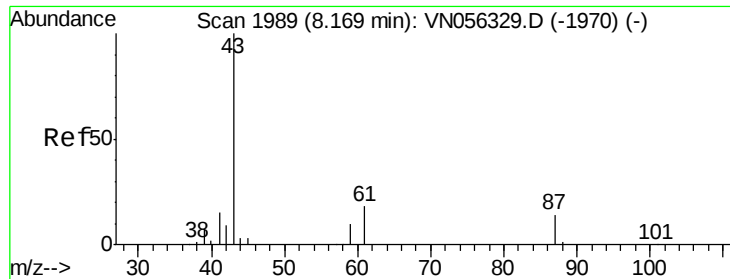
200

0

7.18 7.20 7.22 7.24

Time-->





#43

Isopropyl Acetate

Concen: 1.699 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

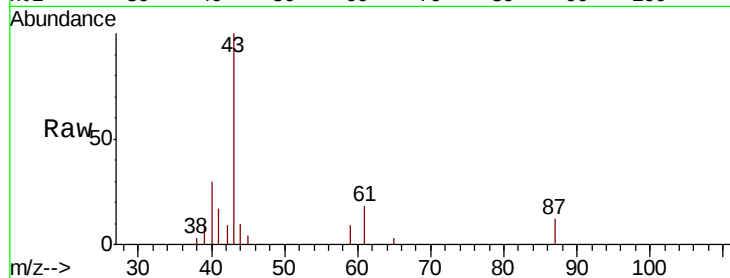
Tot Ion: 43 Resp: 13187

Ion Ratio Lower Upper

43 100

61 19.2 16.6 25.0

87 11.2 11.0 16.4



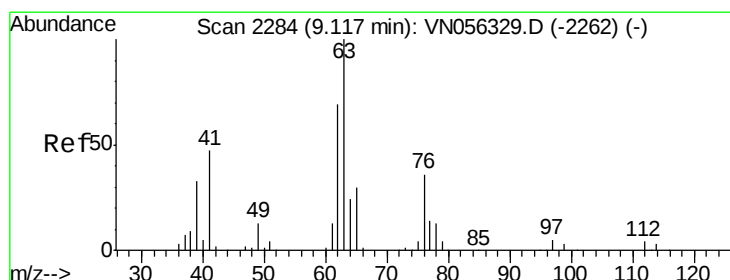
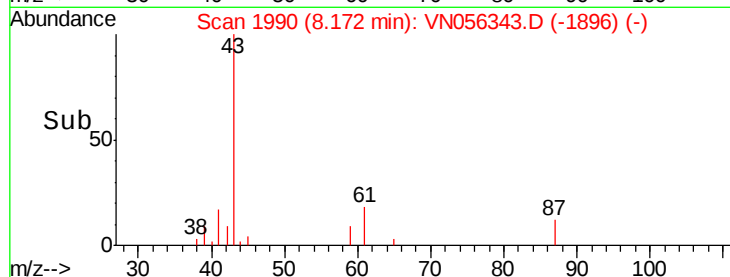
Abundance Ion 43.00 (42.70 to 43.70): VN056343.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN056343.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN056343.D (-1990) (-)

8.17

Time-->



#45

1,2-Dichloropropane

Concen: 0.359 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056343.D

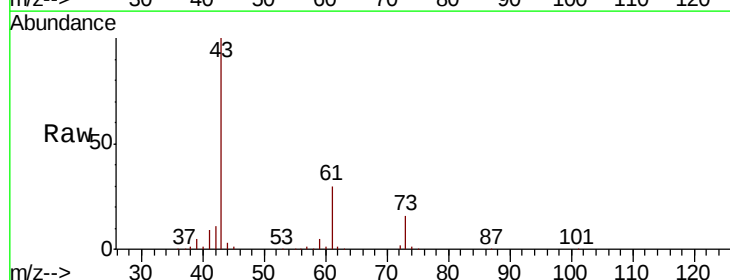
Acq: 17 Jun 2019 16:22

Tgt Ion: 63 Resp: 1475

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#

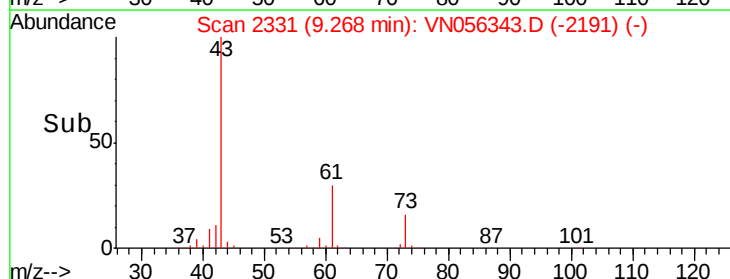


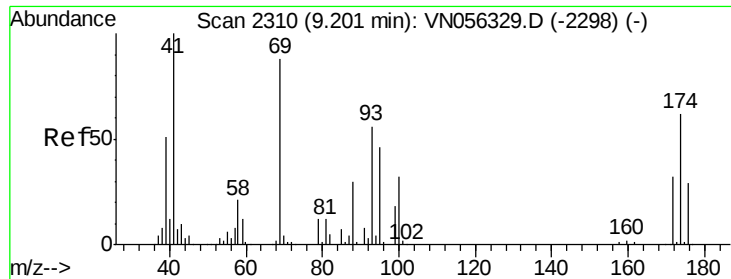
Abundance Ion 62.90 (62.60 to 63.60): VN056343.D (-2331) (-)

Ion 64.90 (64.60 to 65.60): VN056343.D (-2331) (-)

9.27

Time-->

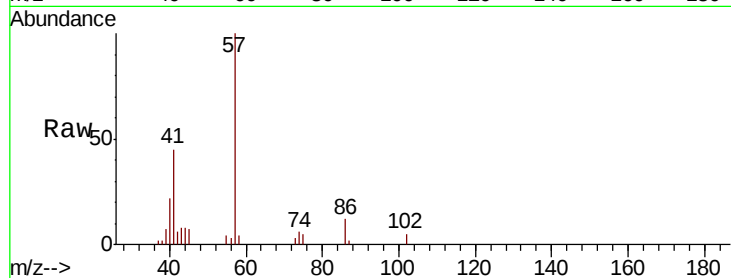




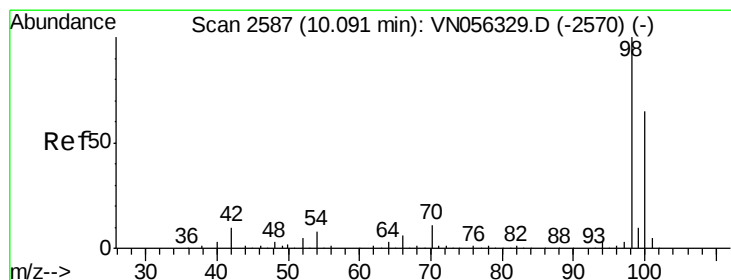
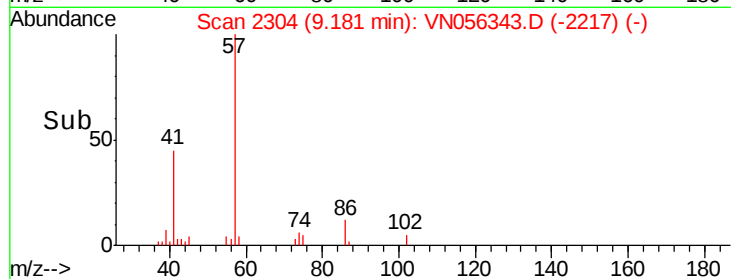
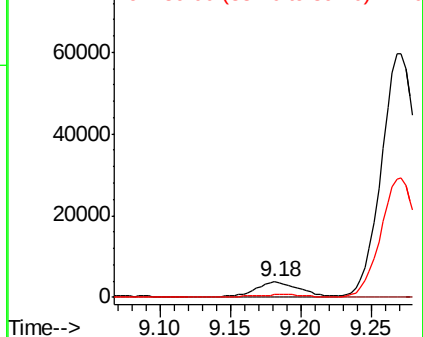
#48
Methvl methacrylate
Concen: 2.206 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 8638
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 0.0 41.7 62.5#

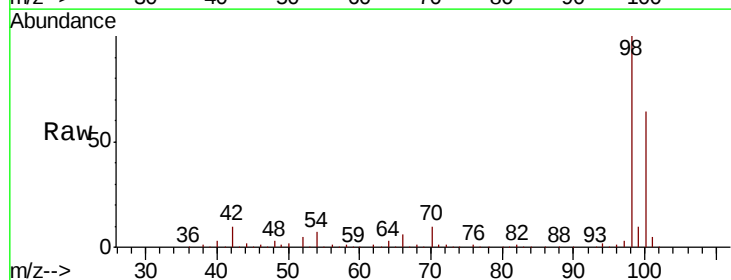


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

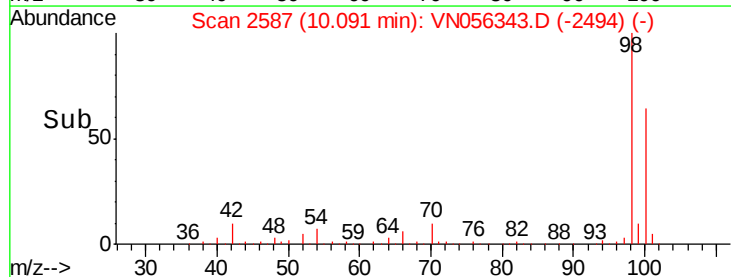
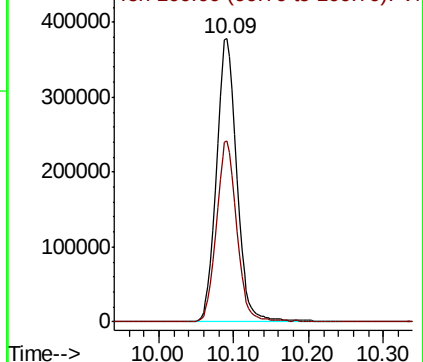


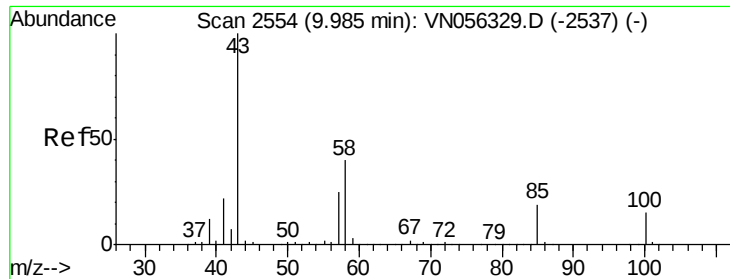
#50
Toluene-d8
Concen: 51.584 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 98 Resp: 719124
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.392 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

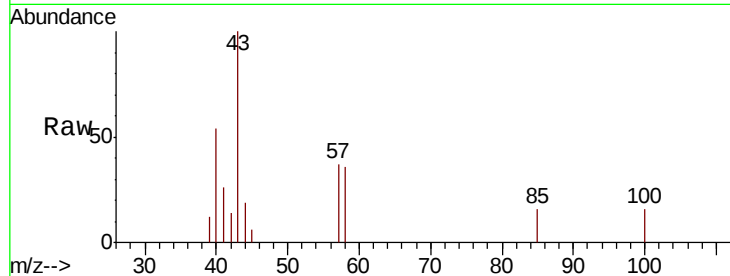
ClientSampled :

Tot Ion: 43 Resp: 6888

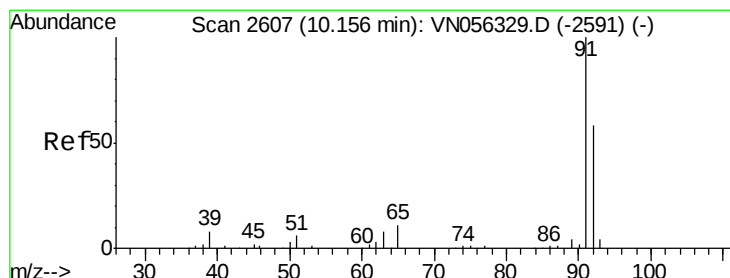
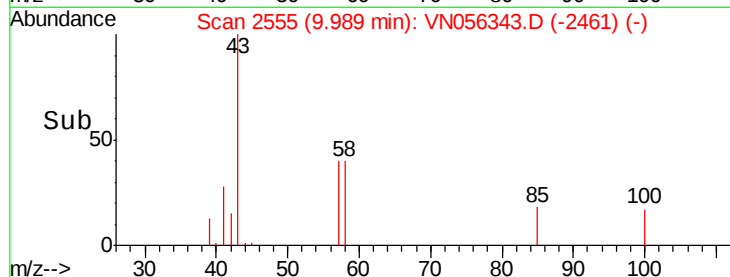
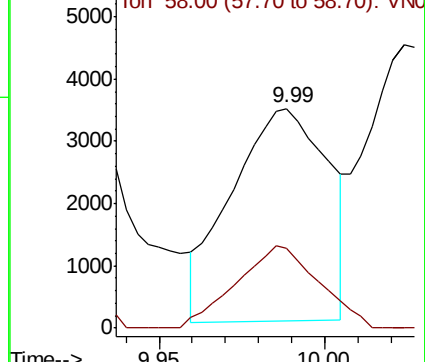
Ion Ratio Lower Upper

43 100

58 33.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0



#52

Toluene

Concen: 0.444 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056343.D

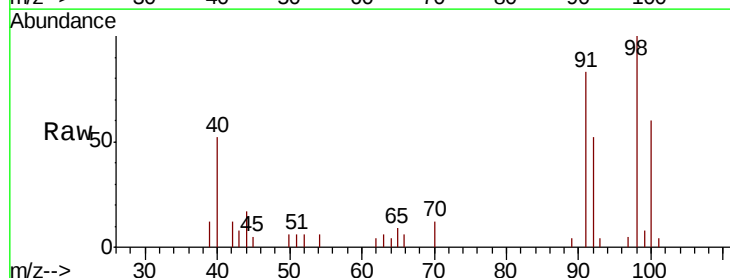
Acq: 17 Jun 2019 16:22

Tgt Ion: 92 Resp: 4210

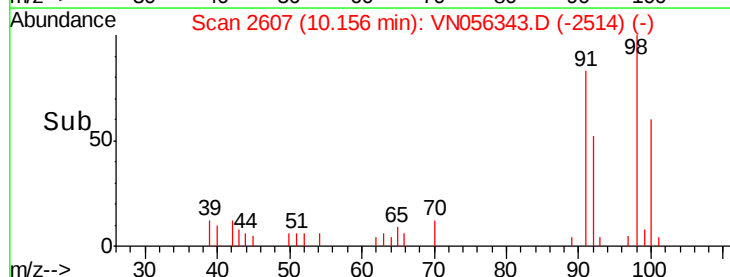
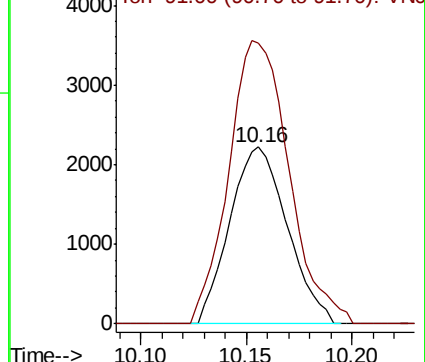
Ion Ratio Lower Upper

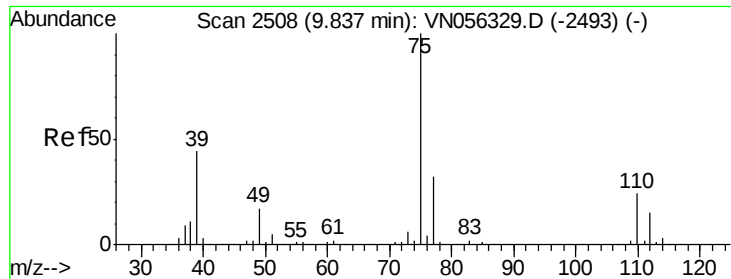
92 100

91 168.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0



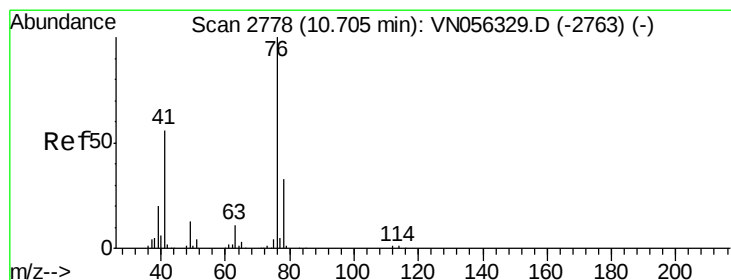
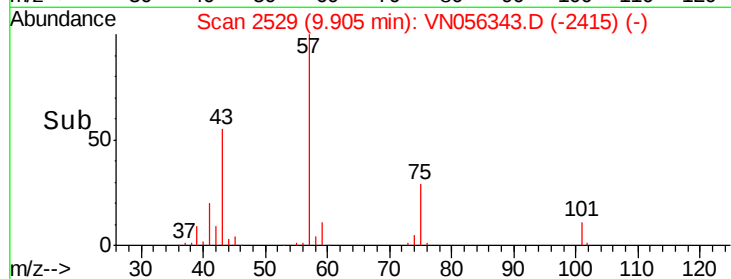
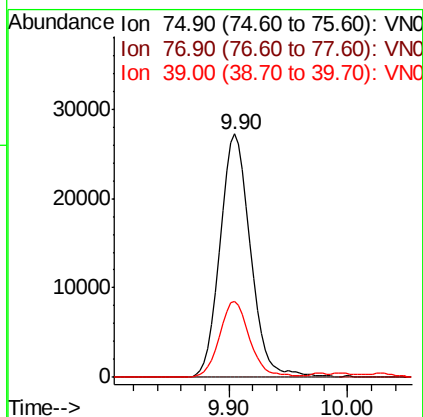
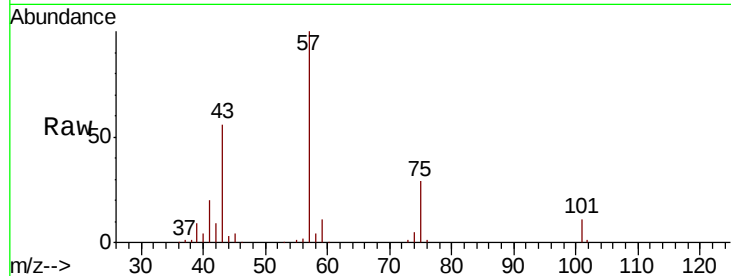


#54

cis-1,3-Dichloropropene
 Concen: 8.089 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :

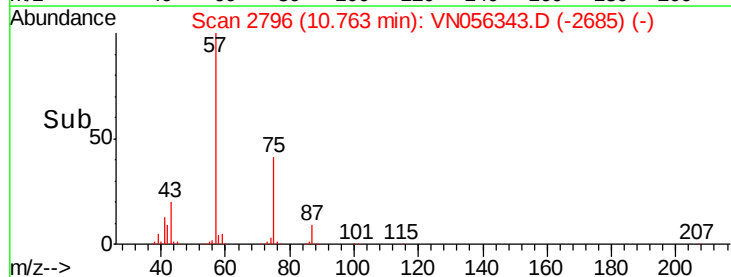
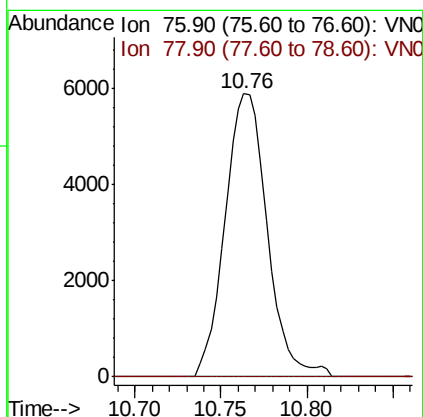
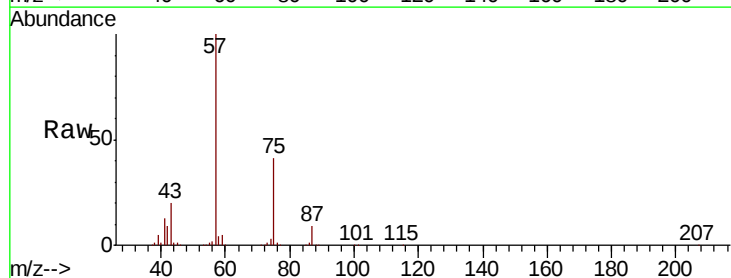
Tot Ion: 75 Resp: 48284
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 31.2 35.4 53.0#

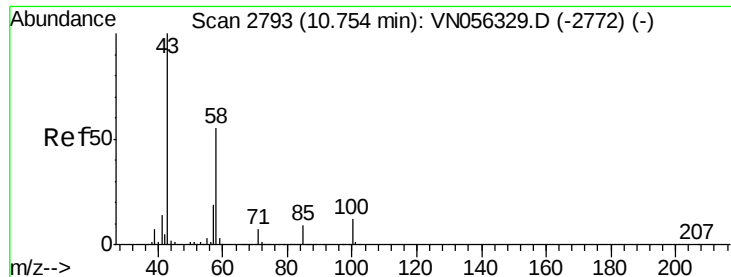


#57

1,3-Dichloropropane
 Concen: 1.542 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

Tgt Ion: 76 Resp: 10122
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

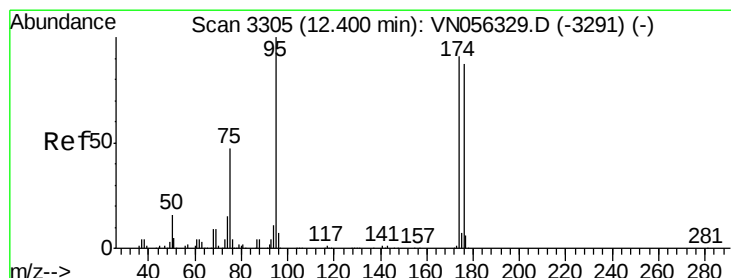
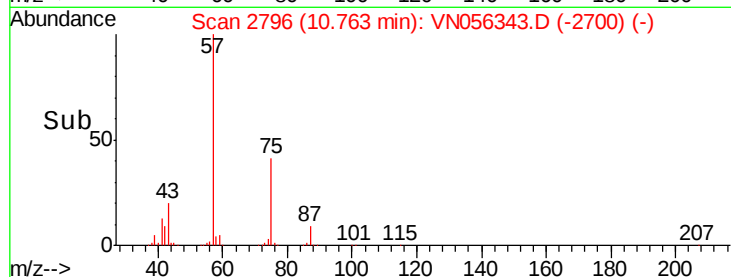
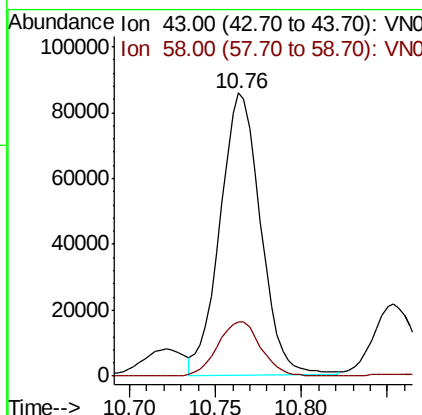
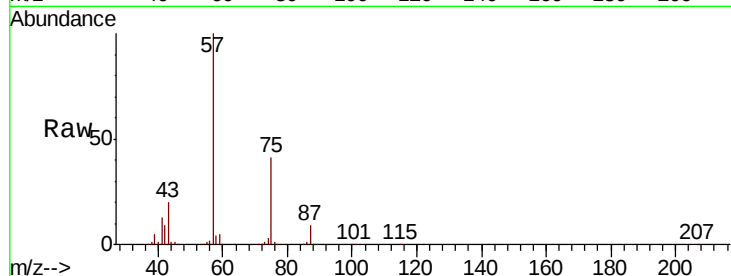




#59
2-Hexanone
Concen: 38.427 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

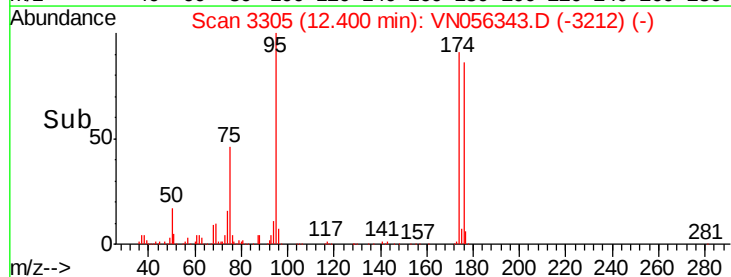
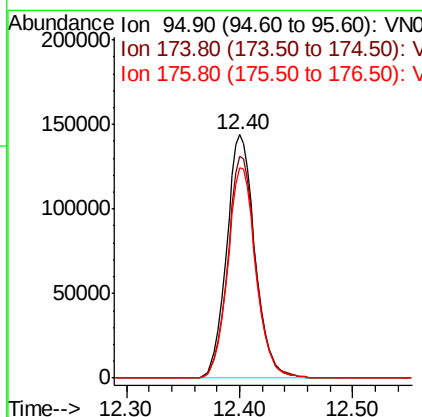
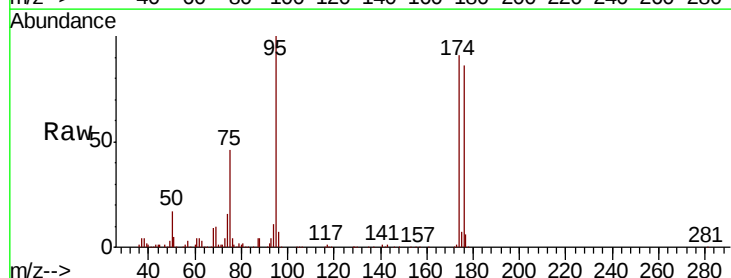
Instrument :
MSVOA_N
ClientSampled :

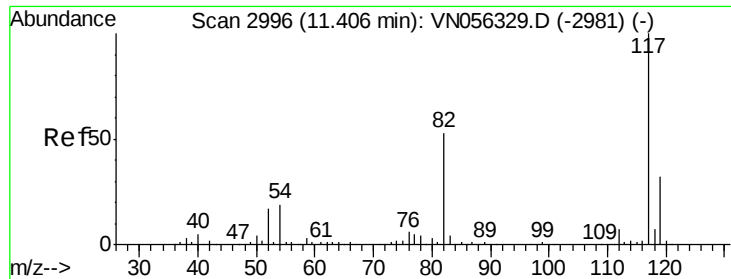
Tot Ion: 43 Resp: 141001
Ion Ratio Lower Upper
43 100
58 20.6 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 53.984 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion: 95 Resp: 249387
Ion Ratio Lower Upper
95 100
174 90.7 0.0 182.6
176 86.2 0.0 176.8

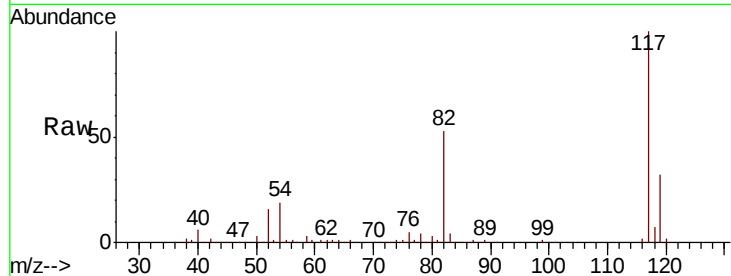




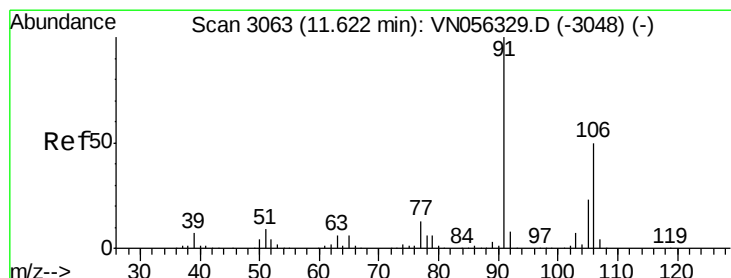
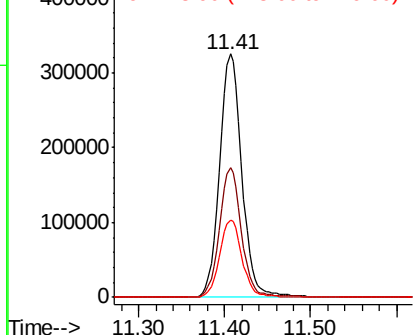
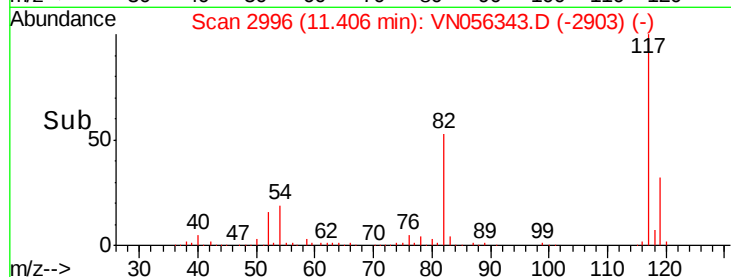
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 585554
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 31.9 26.0 39.0

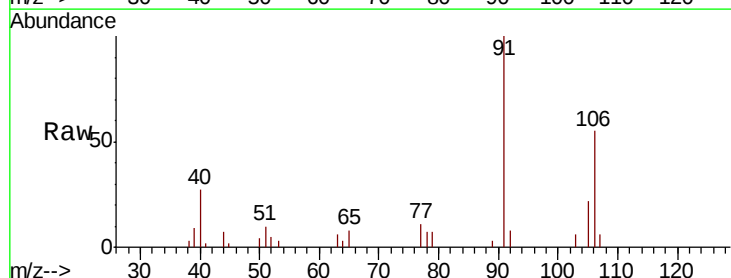


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

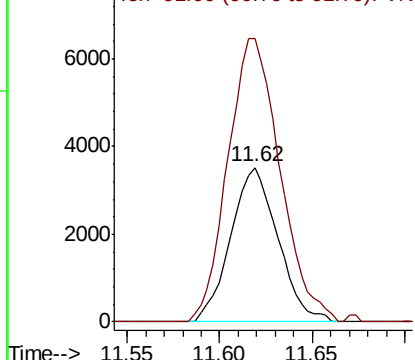
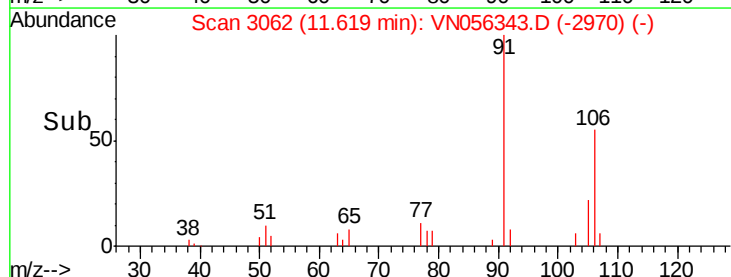


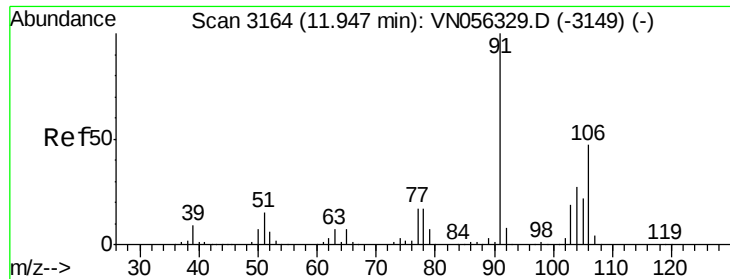
#68
m/p-Xylenes
Concen: 0.820 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion:106 Resp: 6245
Ion Ratio Lower Upper
106 100
91 202.8 160.7 241.1



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

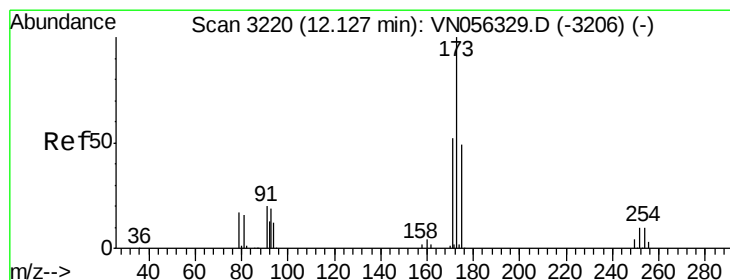
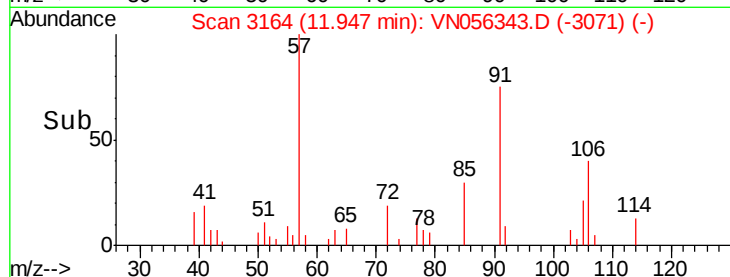
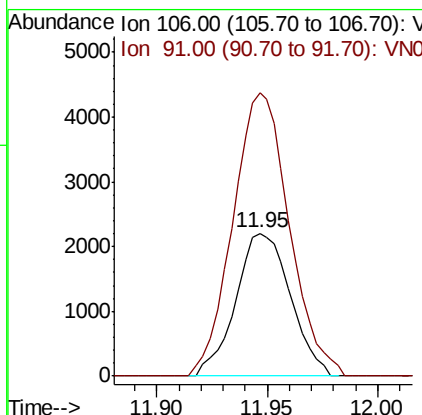
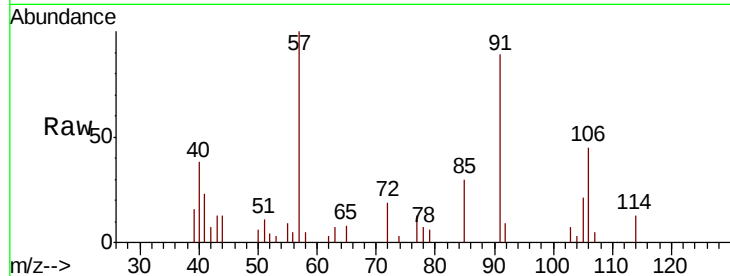




#69
o-Xylene
Concen: 0.505 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

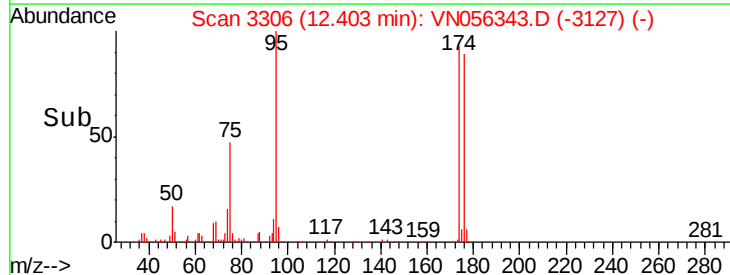
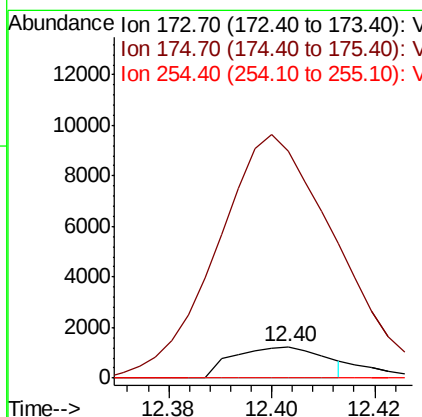
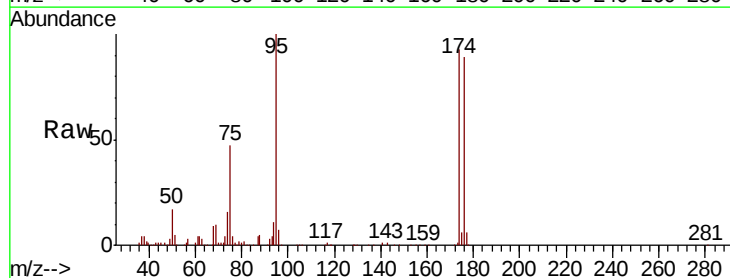
Instrument :
MSVOA_N
ClientSampled :

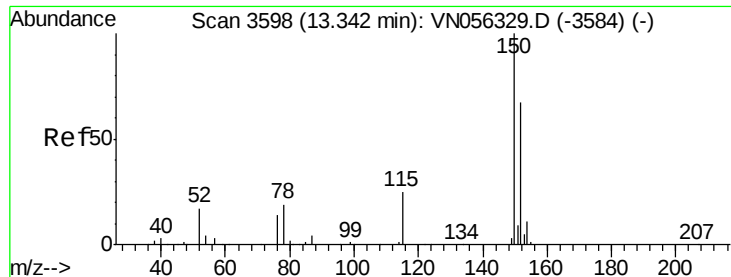
Tot Ion:106 Resp: 3793
Ion Ratio Lower Upper
106 100
91 204.6 105.6 316.7



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056343.D
Acq: 17 Jun 2019 16:22

Tgt Ion:173 Resp: 1513
Ion Ratio Lower Upper
173 100
175 893.7 24.3 73.0#
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: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

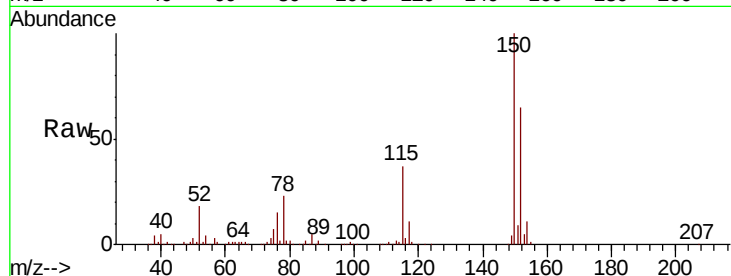
Tot Ion:152 Resp: 202411

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

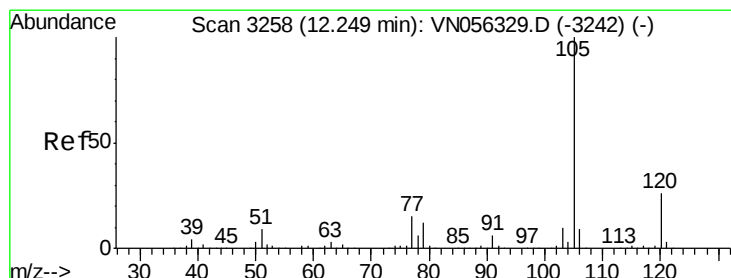
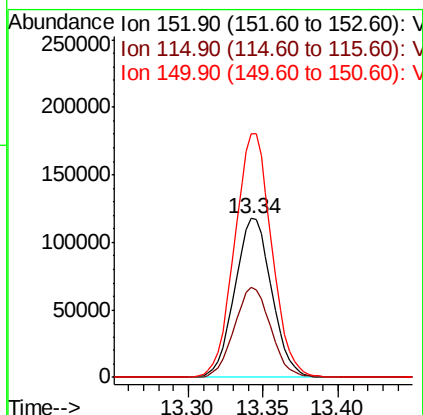
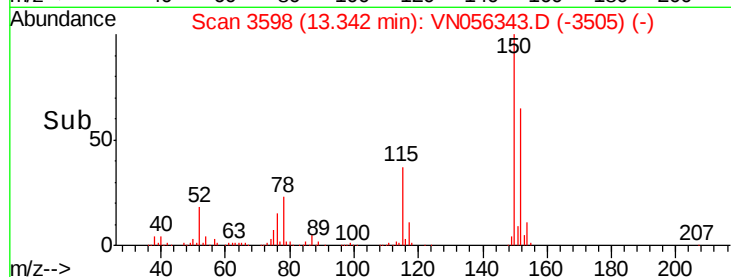
150 153.5 0.0 345.8



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: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056343.D

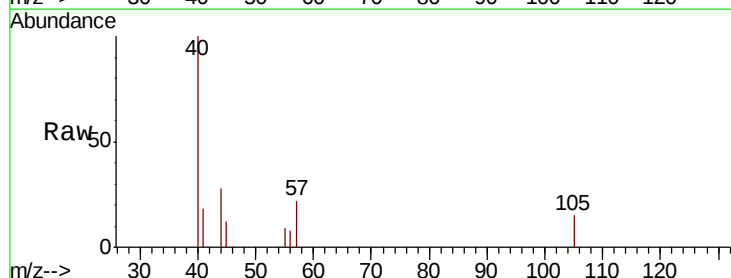
Acq: 17 Jun 2019 16:22

Tgt Ion:105 Resp: 222

Ion Ratio Lower Upper

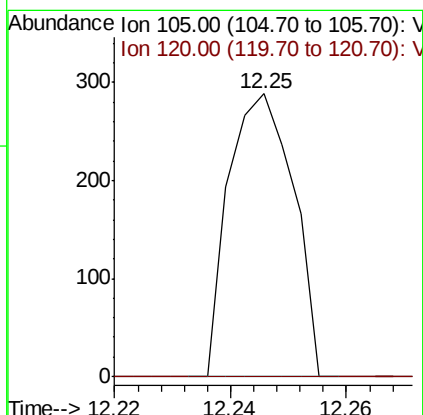
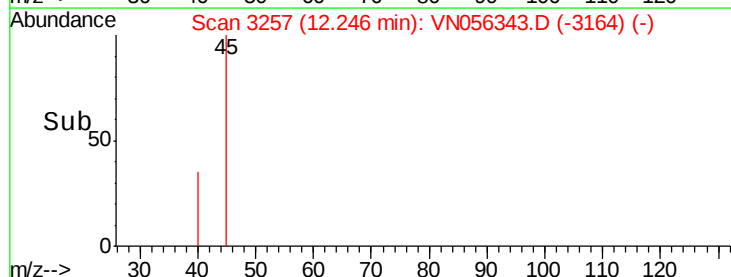
105 100

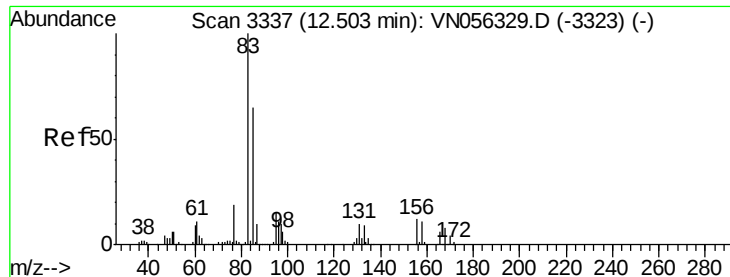
120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

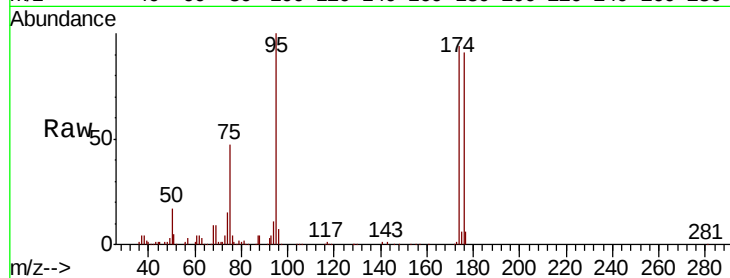
Tot Ion: 83 Resp: 174

Ion Ratio Lower Upper

83 100

131 55.7 5.3 15.8#

85 142.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.41

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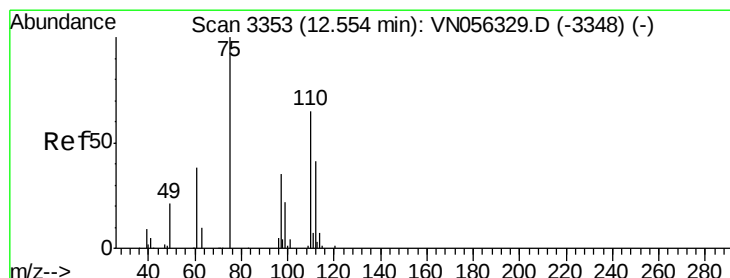
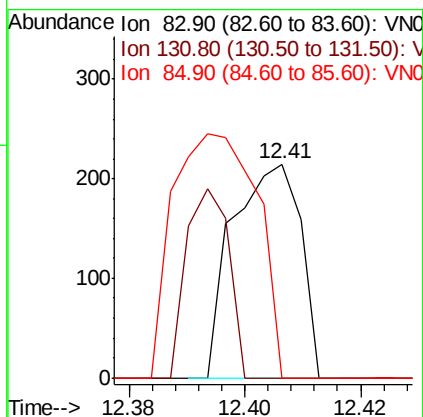
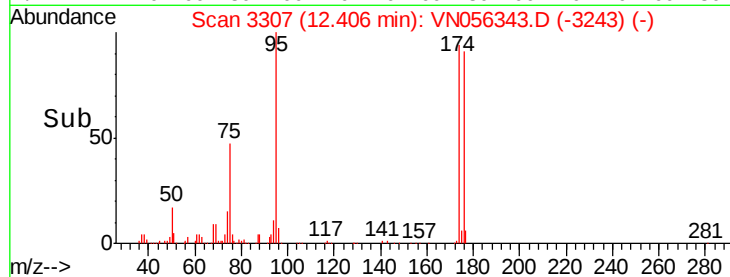
12.41

12.41

12.41

12.41

12.41



#76

1,2,3-Trichloropropane

Concen: 26.447 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056343.D

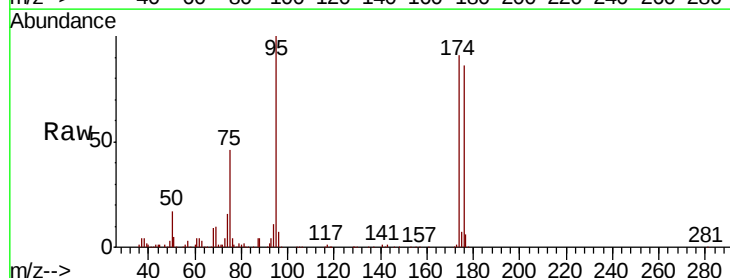
Acq: 17 Jun 2019 16:22

Tgt Ion: 75 Resp: 114371

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

12.40

12.40

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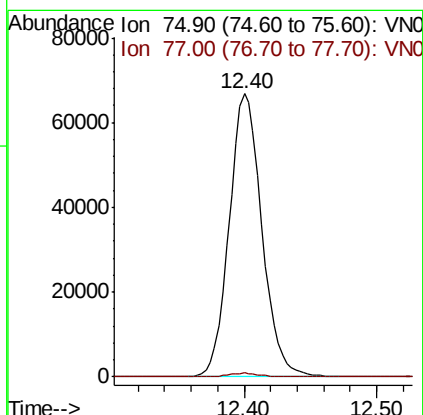
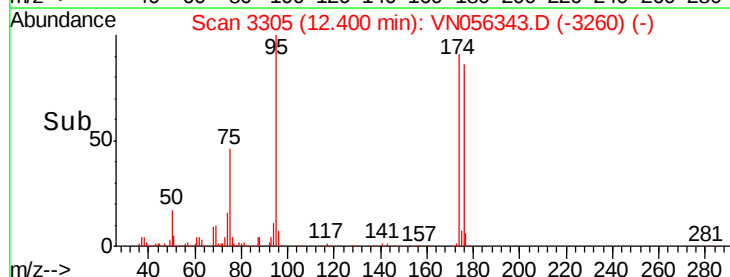
12.40

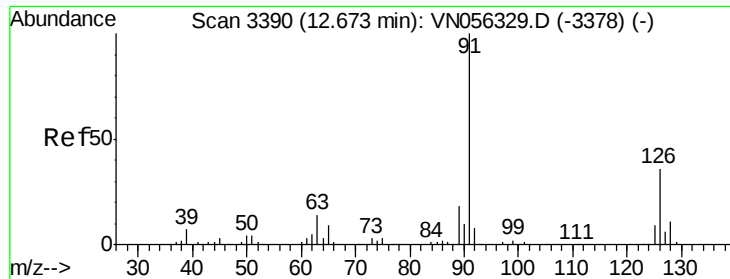
12.40

12.40

12.40

12.40

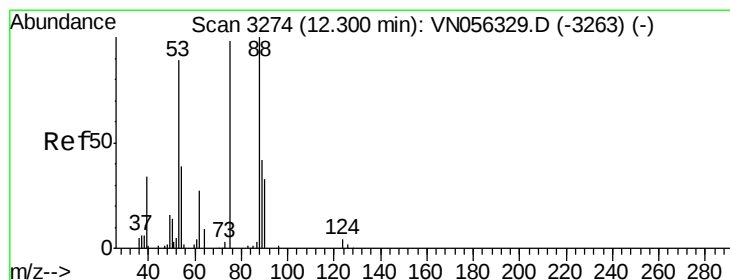
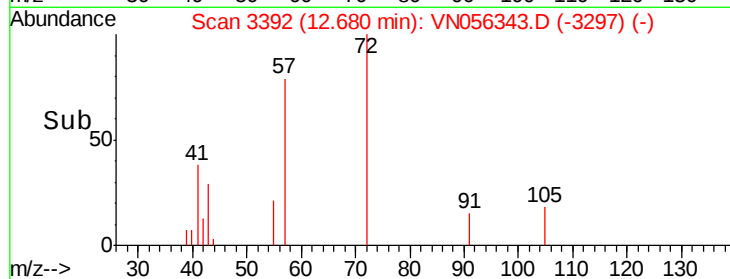
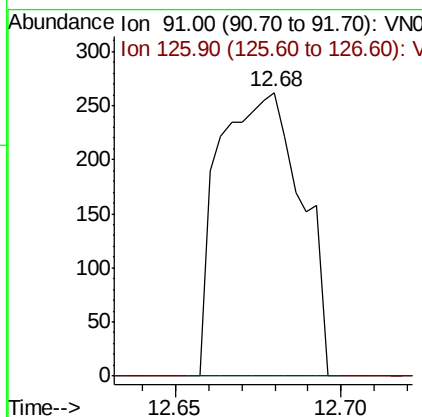
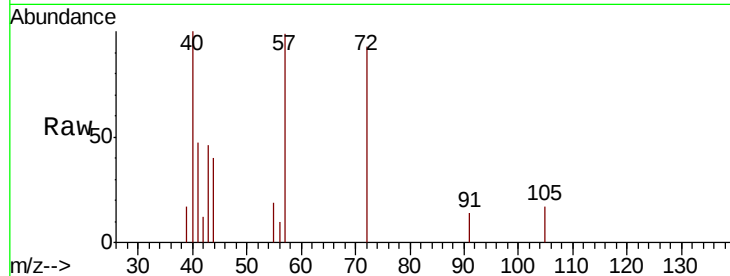




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

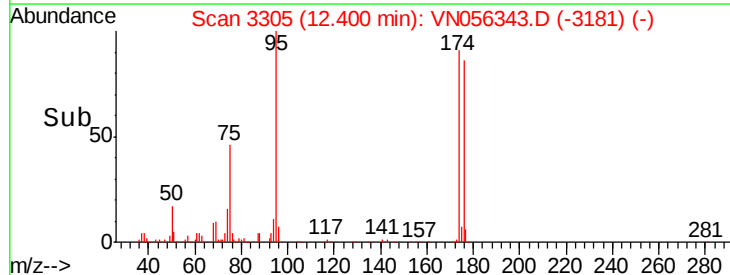
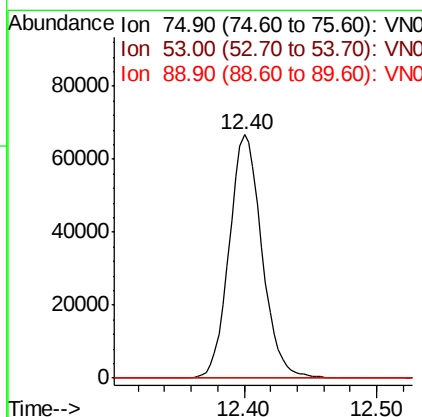
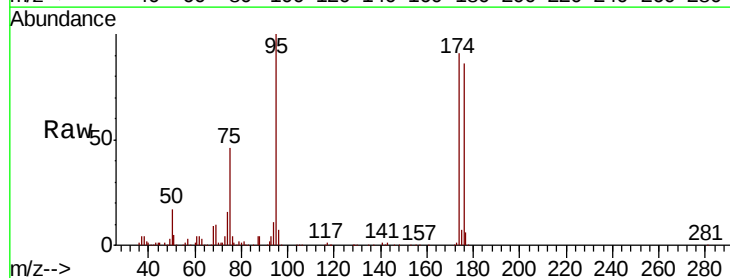
Instrument :
 MSVOA_N
 ClientSampleId :

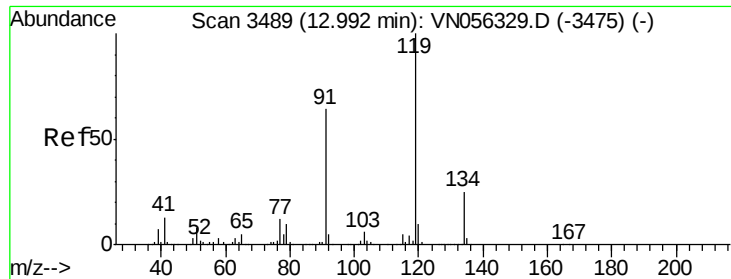
Tot Ion: 91 Resp: 452
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.0 54.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.167 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

Tgt Ion: 75 Resp: 114371
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.5 110.3#
 89 0.0 35.4 53.2#

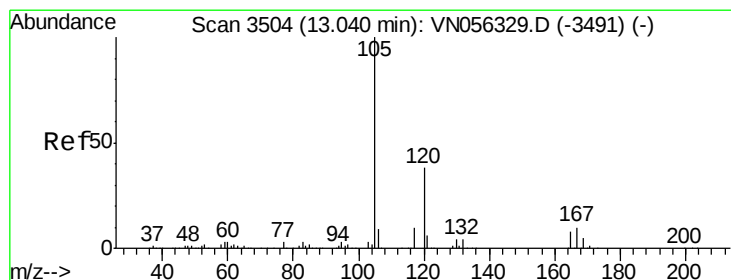
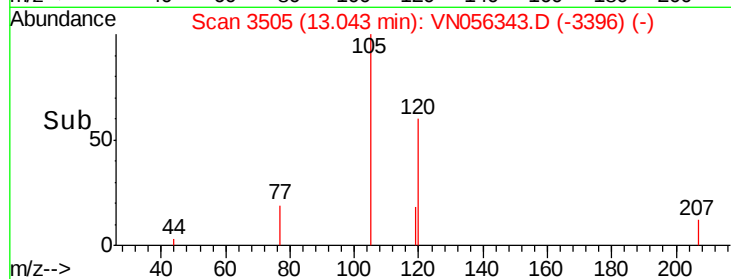
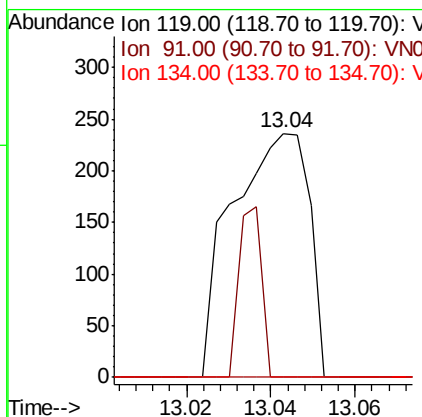
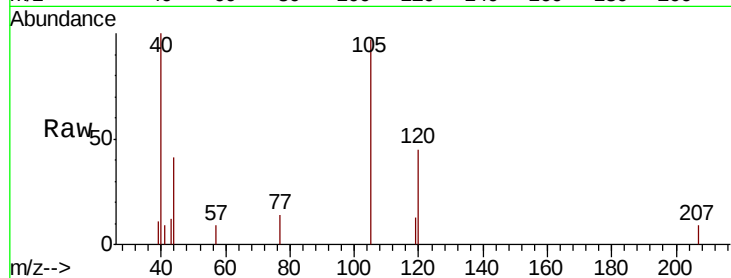




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.05 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

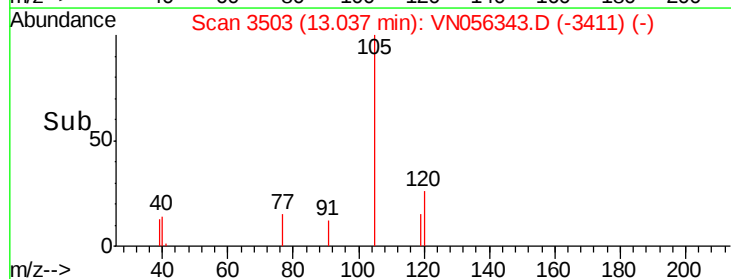
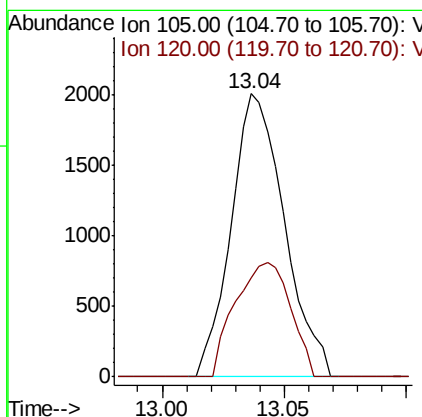
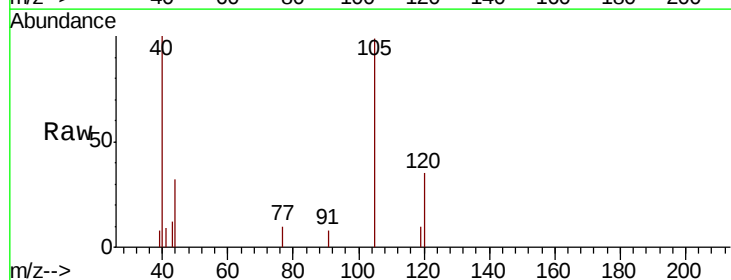
Instrument :
 MSVOA_N
 ClientSampled :

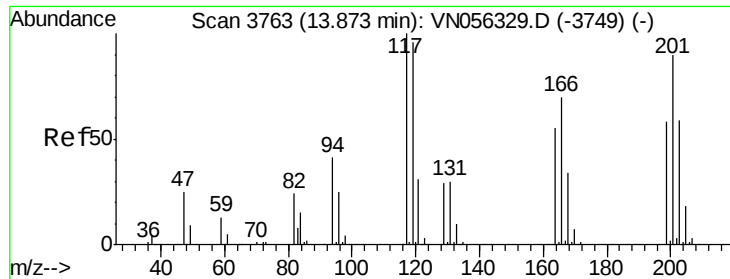
Tot Ion:119 Resp: 299
 Ion Ratio Lower Upper
 119 100
 91 20.7 31.5 94.5#
 134 0.0 13.6 40.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.231 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056343.D
 Acq: 17 Jun 2019 16:22

Tgt Ion:105 Resp: 3036
 Ion Ratio Lower Upper
 105 100
 120 42.0 23.1 69.2





#90

Hexachloroethane

Concen: Below Cal

RT: 13.99 min Scan# 3801

Delta R.T. 0.12 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

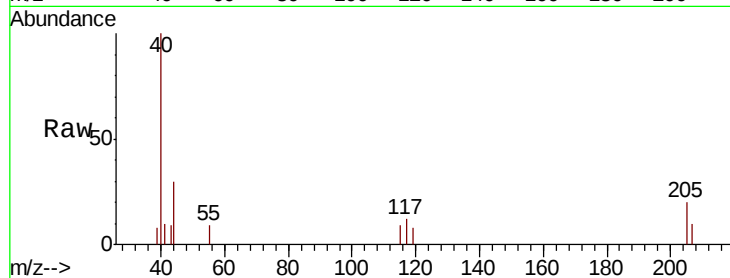
ClientSampleId :

Tot Ion:117 Resp: 281

Ion Ratio Lower Upper

117 100

201 0.0 45.8 137.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.99

250

200

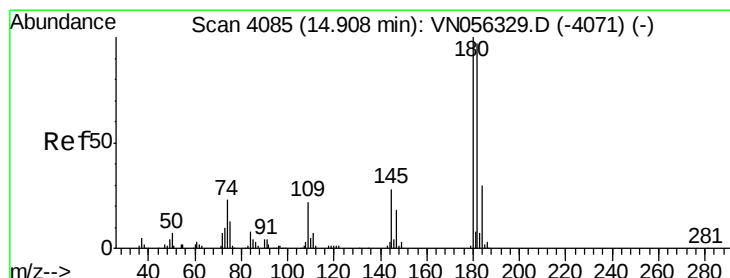
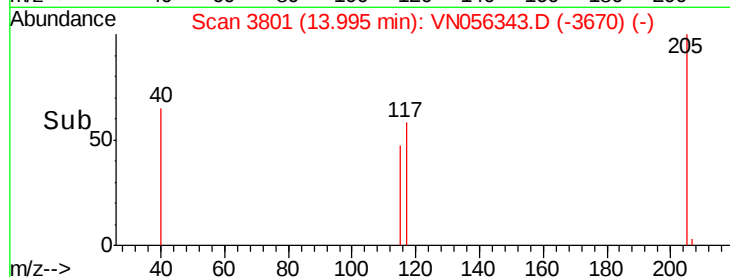
150

100

50

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.354 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

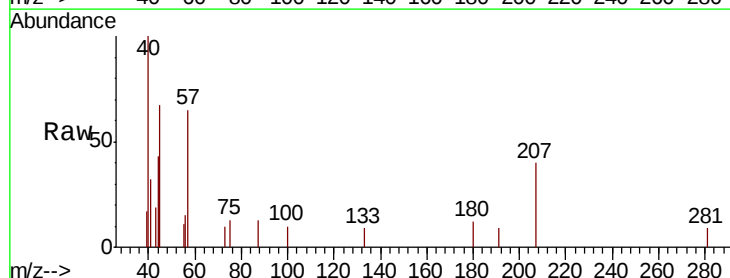
Tgt Ion:180 Resp: 186

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.3#

145 0.0 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

14.91

250

200

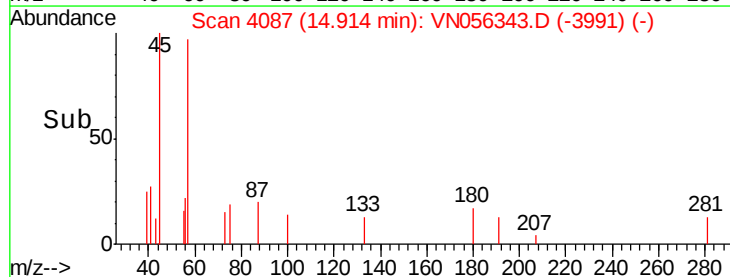
150

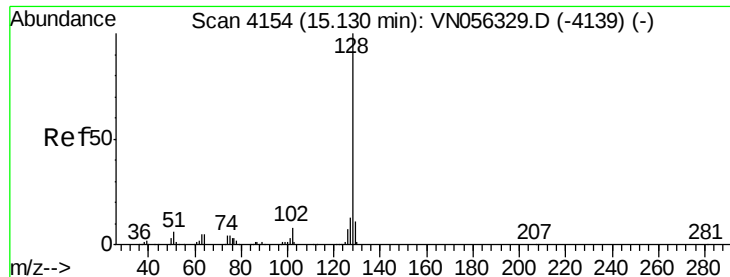
100

50

0

Time-->





#95

Naphthalene

Concen: 4.886 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

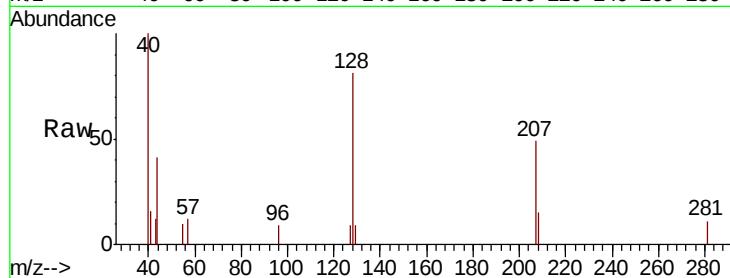
Tot Ion:128 Resp: 2303

Ion Ratio Lower Upper

128 100

127 4.4 10.6 15.8#

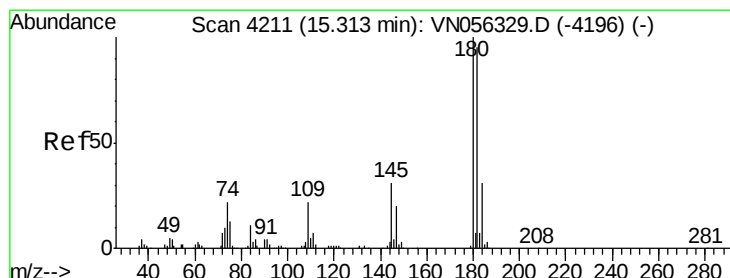
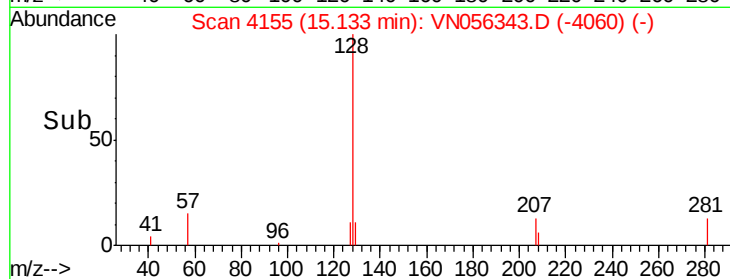
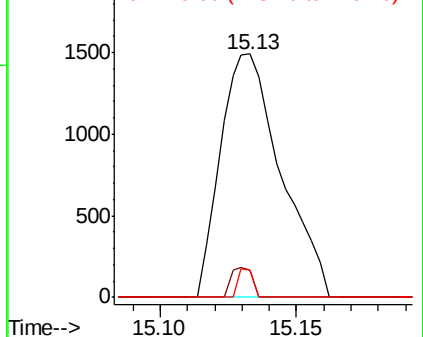
129 2.9 8.6 12.8#



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: 3.867 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056343.D

Acq: 17 Jun 2019 16:22

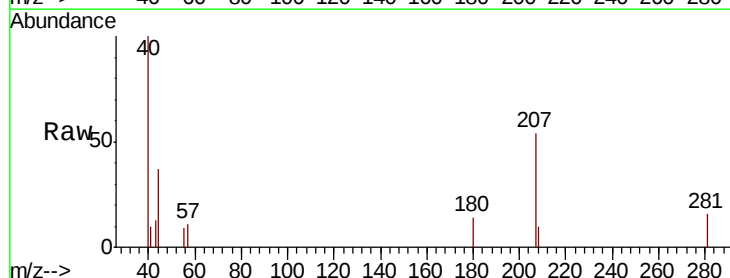
Tgt Ion:180 Resp: 254

Ion Ratio Lower Upper

180 100

182 37.8 47.1 141.4#

145 0.0 14.9 44.9#



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

