

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055795.D
 Acq On : 24 May 2019 14:52
 Operator : JC/SP
 Sample : PB120021TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120021TB

Quant Time: May 25 04:27:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	446650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	631266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207295	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	207482	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
35) Dibromofluoromethane	7.59	113	191670	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	10.09	98	747354	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.40	95	243420	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	239	0.379	ug/l #	28
16) Acetone	3.82	43	21129	10.421	ug/l	98
18) Methyl Acetate	4.33	43	3491	Below Cal	#	77
20) Methylene Chloride	4.54	84	1129	0.257	ug/l	87
25) 2-Butanone	6.85	43	3642	1.286	ug/l	98
29) Tetrahydrofuran	7.22	42	1443	0.805	ug/l #	68
31) Cyclohexane	7.66	56	7322	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	25109	4.564	ug/l #	48
38) Carbon Tetrachloride	7.66	117	35405	6.179	ug/l #	14
43) Isopropyl Acetate	8.17	43	16491	1.846	ug/l #	86
45) 1,2-Dichloropropane	9.27	63	1859	0.430	ug/l #	44
48) Methyl methacrylate	9.18	41	7526	1.828	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	5471	1.037	ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	62567	9.108	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	12800	1.885	ug/l #	42
59) 2-Hexanone	10.76	43	166236	44.414	ug/l #	50
65) Chlorobenzene	11.43	112	2648	0.232	ug/l	89
68) m/p-Xylenes	11.62	106	5660	0.732	ug/l	86
71) Bromoform	12.40	173	1649	0.425	ug/l #	1
73) Isopropylbenzene	12.25	105	1761	Below Cal		92
74) N-amyl acetate	11.88	43	18511	1.068	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	111424	29.954	ug/l #	100
77) Bromobenzene	12.53	156	891	0.201	ug/l #	24
78) n-propylbenzene	12.59	91	3674	0.204	ug/l	94
79) 2-Chlorotoluene	12.78	91	1190	Below Cal		95
80) 1,3,5-Trimethylbenzene	12.73	105	12677	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	111424	72.321	ug/l #	15
83) tert-Butylbenzene	12.99	119	905	Below Cal	#	74
84) 1,2,4-Trimethylbenzene	13.04	105	10629	Below Cal		95
85) sec-Butylbenzene	13.17	105	1810	Below Cal	#	77
89) n-Butylbenzene	13.62	91	2845	0.258	ug/l #	72
93) 1,2,4-Trichlorobenzene	14.91	180	1588	4.003	ug/l	96
94) Hexachlorobutadiene	15.01	225	585	Below Cal		71
95) Naphthalene	15.13	128	8623	0.899	ug/l	98

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QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

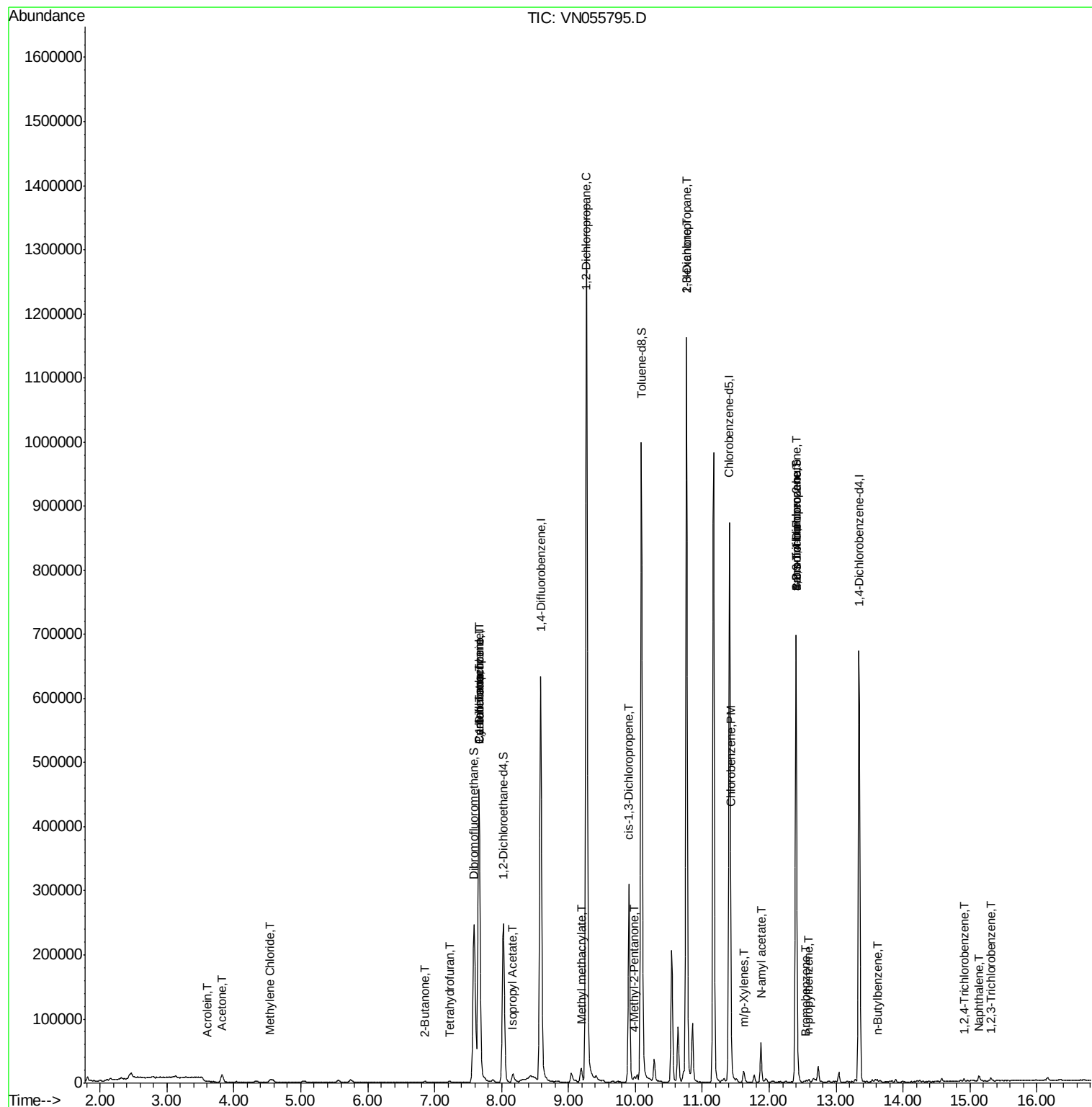
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	2312	0.626	ug/l	88

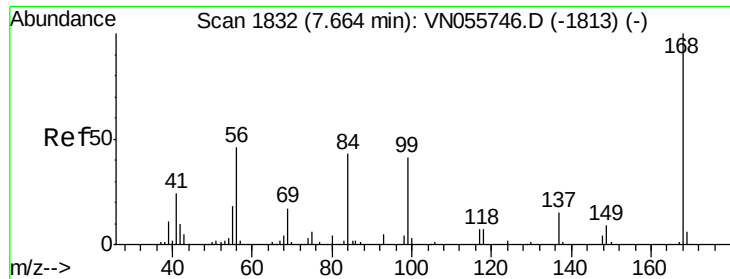
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

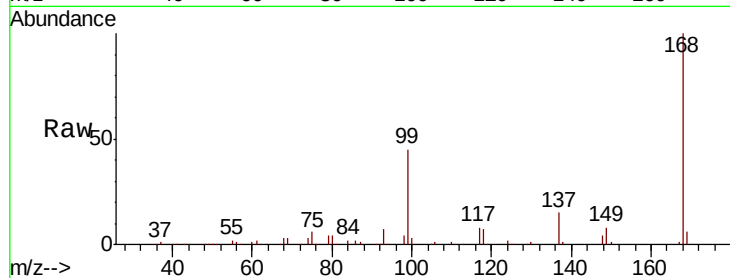
PB120021TB

Tot Ion:168 Resp: 446650

Ion Ratio Lower Upper

168 100

99 45.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

200000

150000

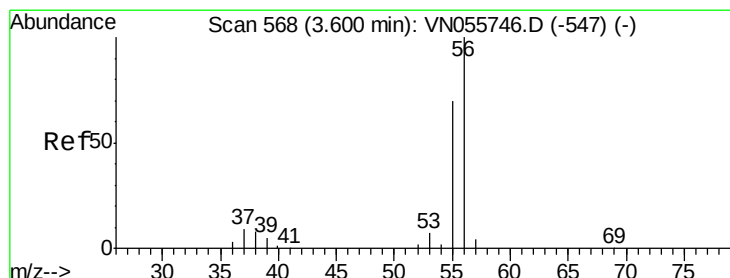
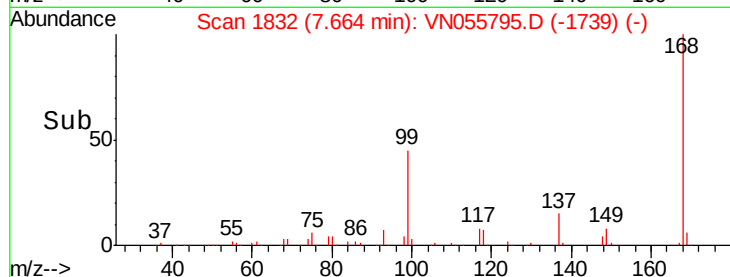
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 0.379 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055795.D

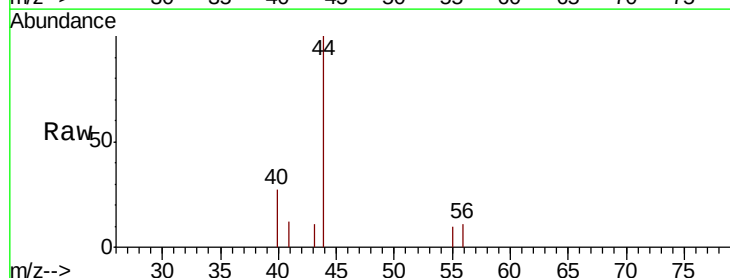
Acq: 24 May 2019 14:52

Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 10.9 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

300

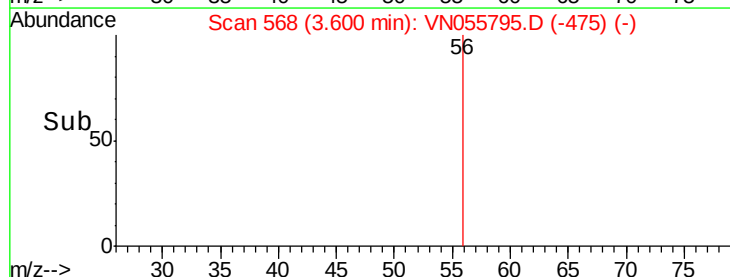
200

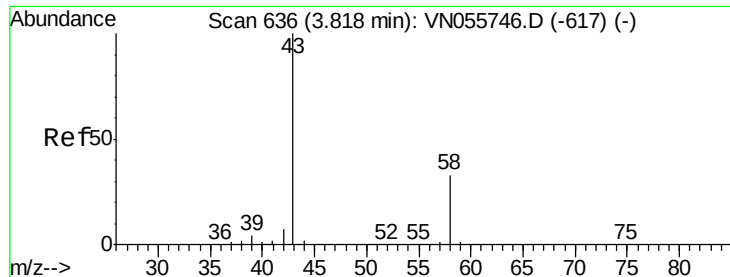
100

0

Time-->

3.58 3.60 3.62





#16

Acetone

Concen: 10.421 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

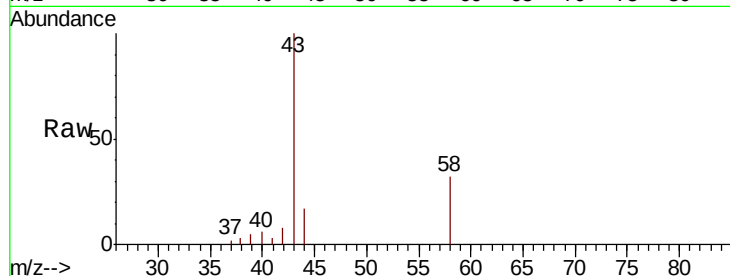
PB120021TB

Tot Ion: 43 Resp: 21129

Ion Ratio Lower Upper

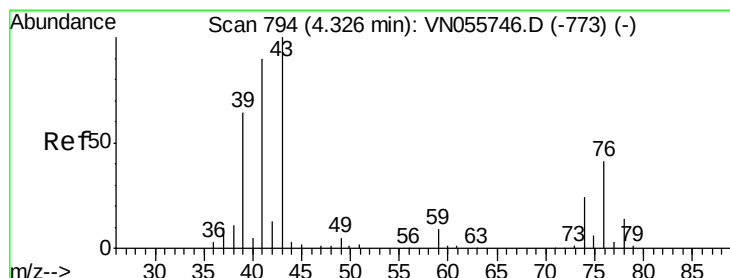
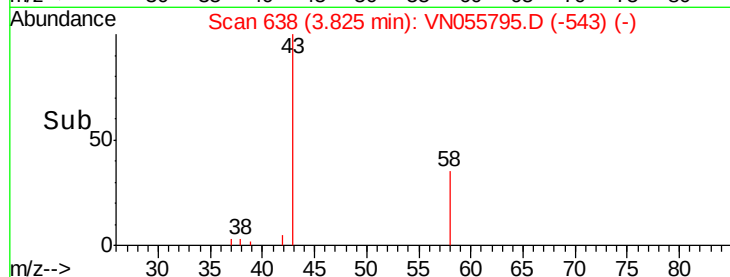
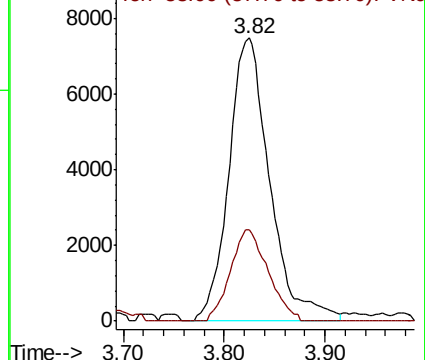
43 100

58 32.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055795.D

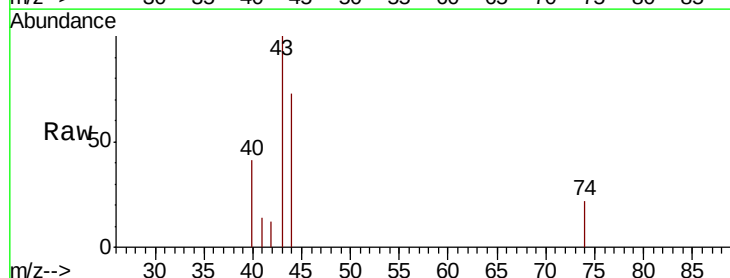
Acq: 24 May 2019 14:52

Tgt Ion: 43 Resp: 3491

Ion Ratio Lower Upper

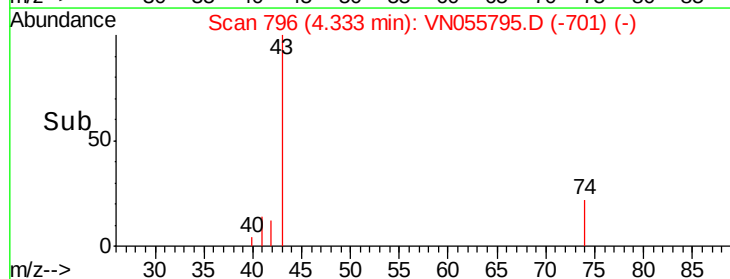
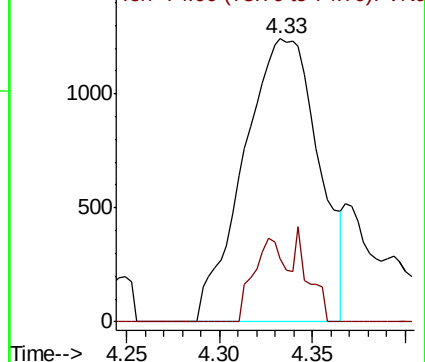
43 100

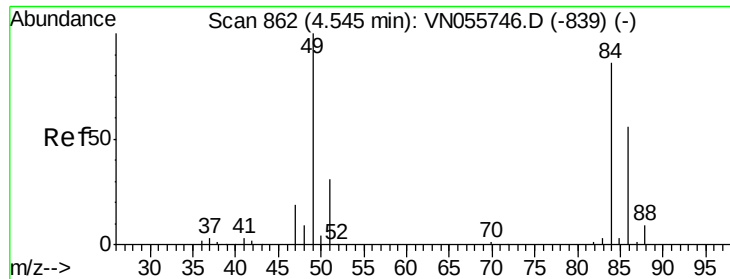
74 12.9 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

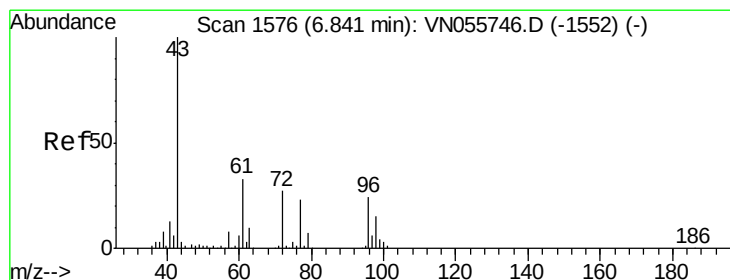
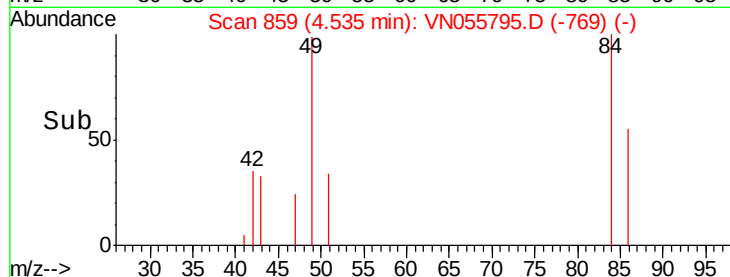
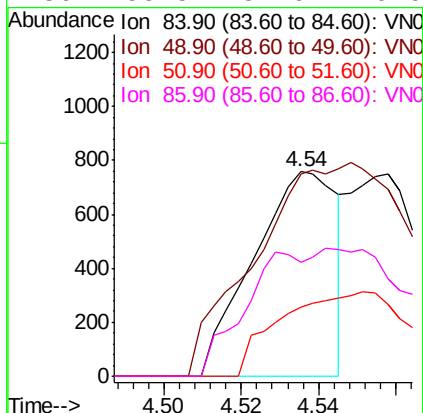
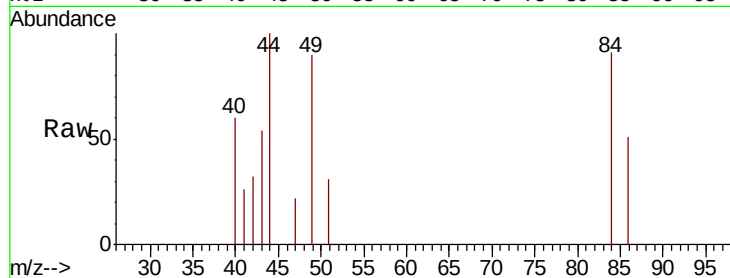




#20
Methvlene Chloride
Concen: 0.257 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

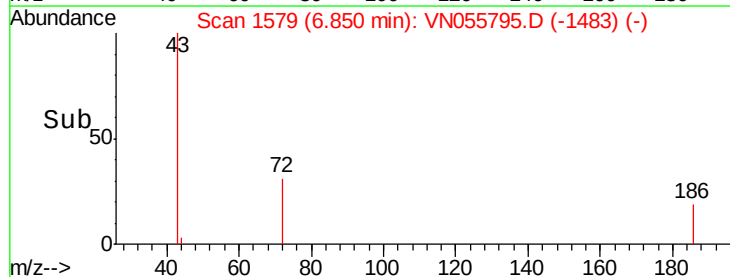
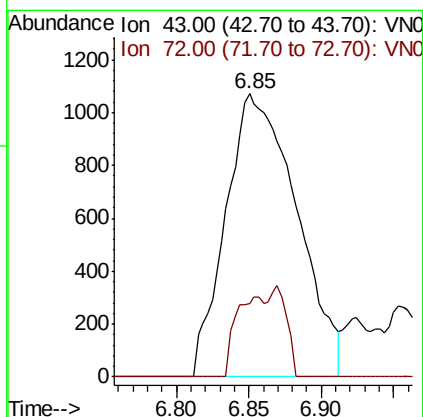
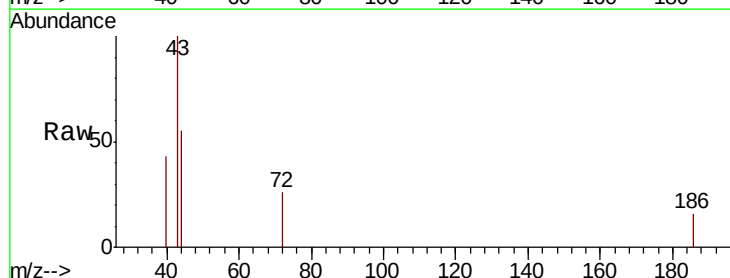
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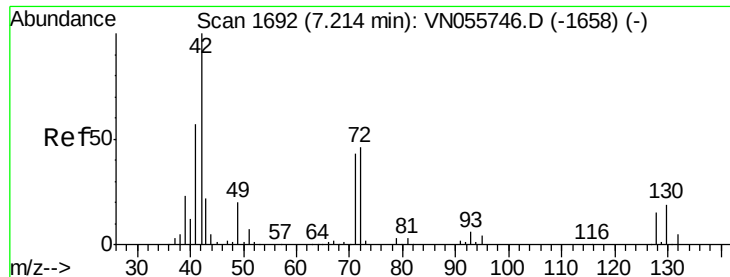
Tot Ion:	84	Resp:	1129
Ion	Ratio	Lower	Upper
84	100		
49	98.6	93.5	140.3
51	33.7	28.6	43.0
86	55.5	52.6	79.0



#25
2-Butanone
Concen: 1.286 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

Tgt Ion:	43	Resp:	3642
Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.9	32.9





#29

Tetrahydrofuran

Concen: 0.805 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB120021TB

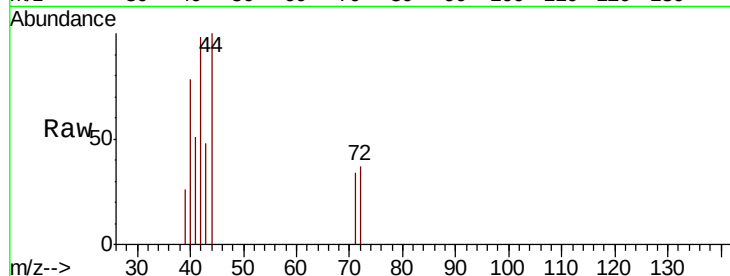
Tot Ion: 42 Resp: 1443

Ion Ratio Lower Upper

42 100

72 30.4 35.9 53.9#

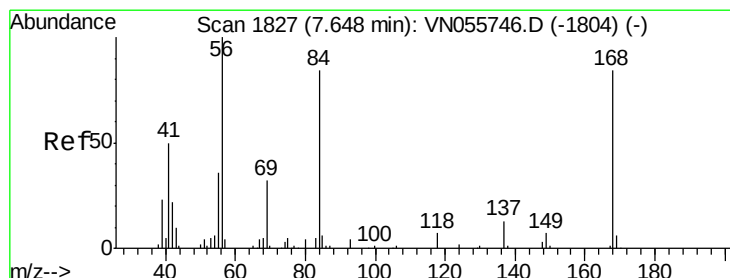
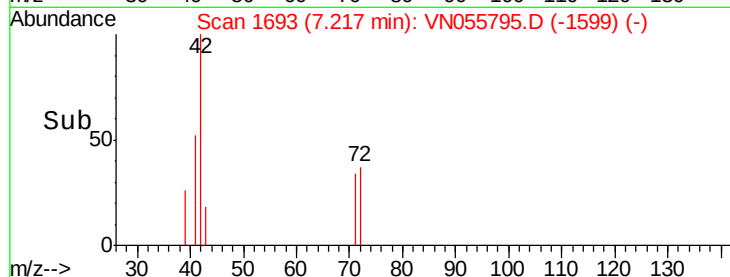
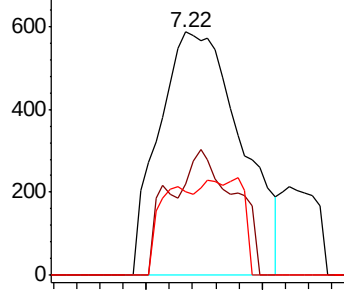
71 15.5 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.058 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

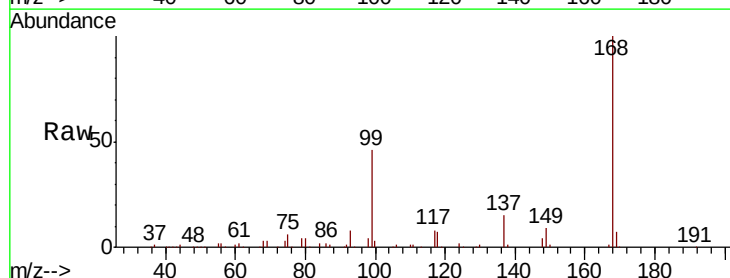
Tgt Ion: 56 Resp: 7322

Ion Ratio Lower Upper

56 100

69 185.7 25.6 38.4#

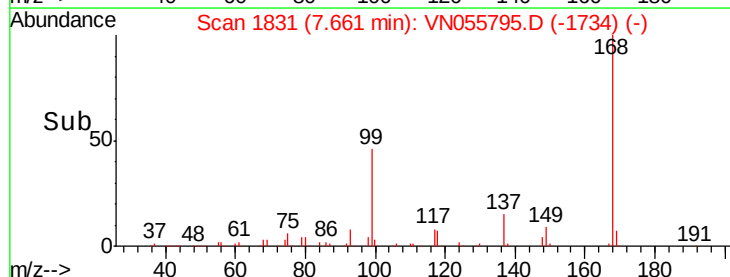
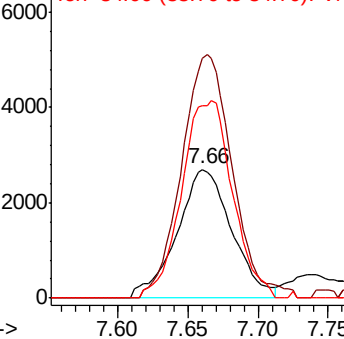
84 148.9 67.4 101.0#

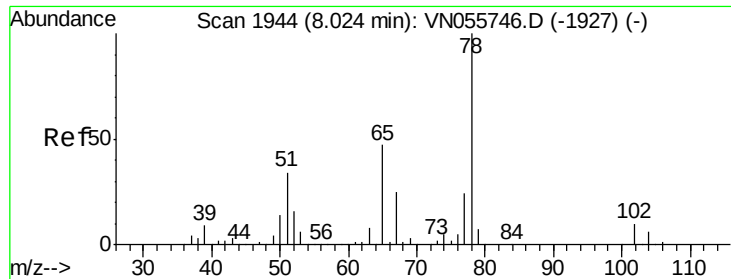


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

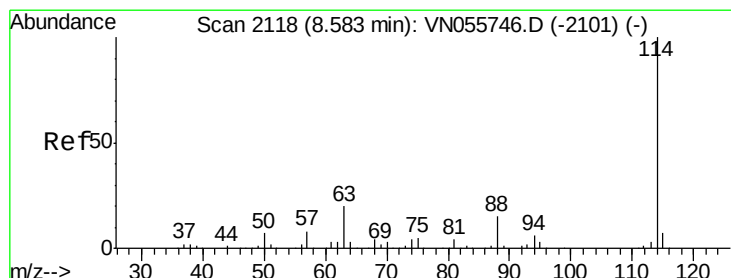
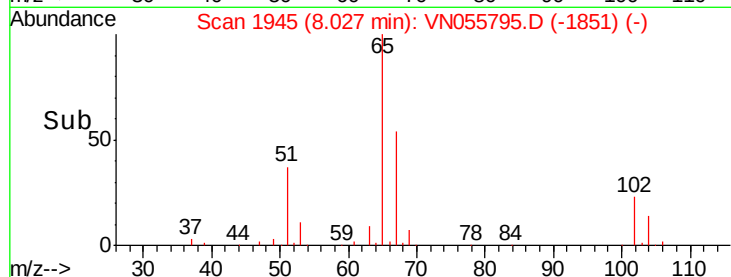
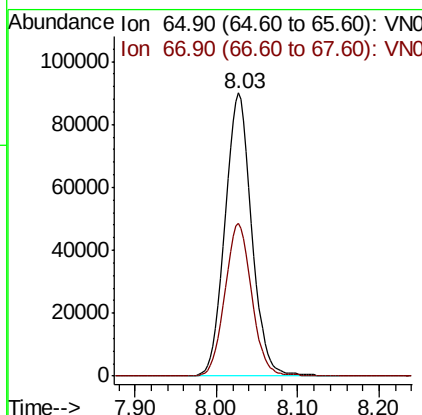
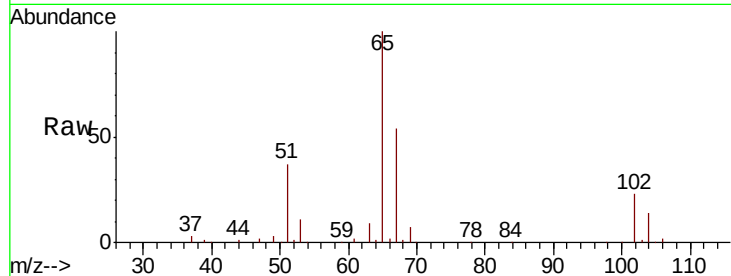




#33
 1,2-Dichloroethane-d4
 Concen: 44.981 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

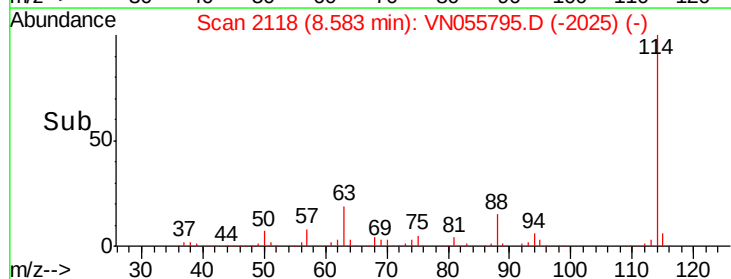
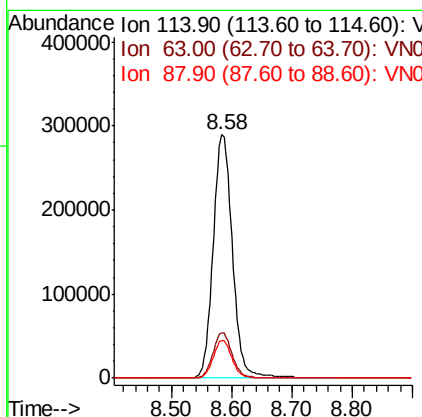
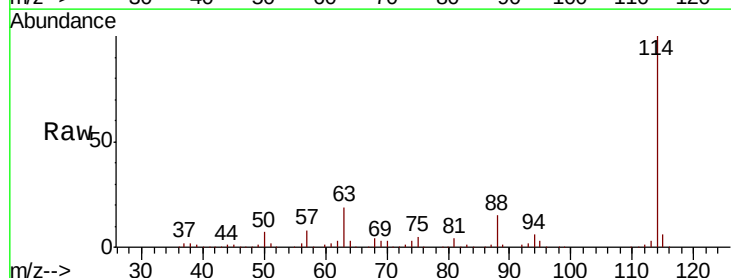
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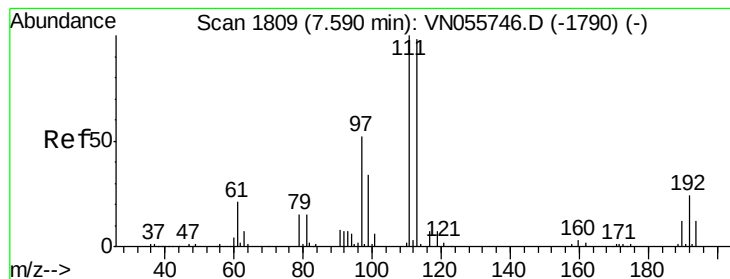
Tot Ion: 65 Resp: 207482
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

Tgt Ion: 114 Resp: 631266
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.025 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

PB120021TB

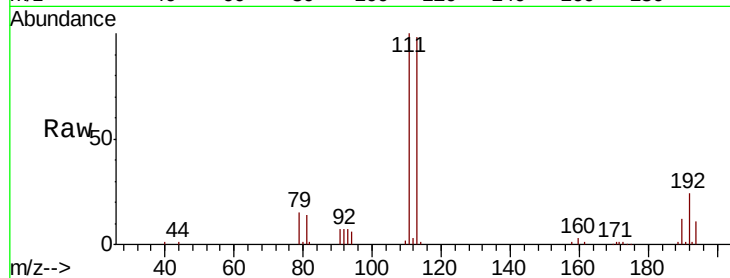
Tot Ion:113 Resp: 191670

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

192 24.6 19.5 29.3

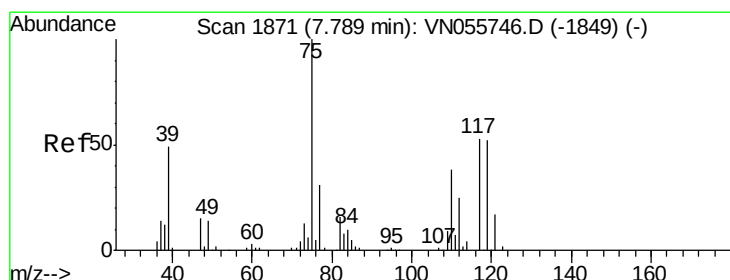
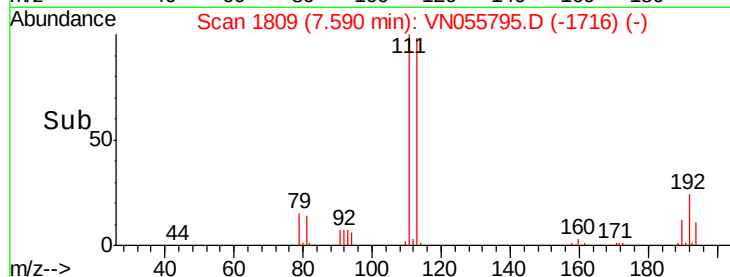
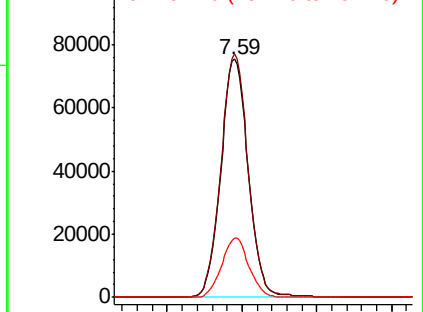


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

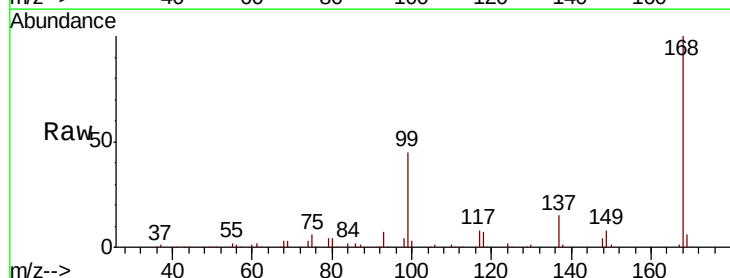
Tgt Ion: 75 Resp: 25109

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

77 0.0 25.1 37.7#

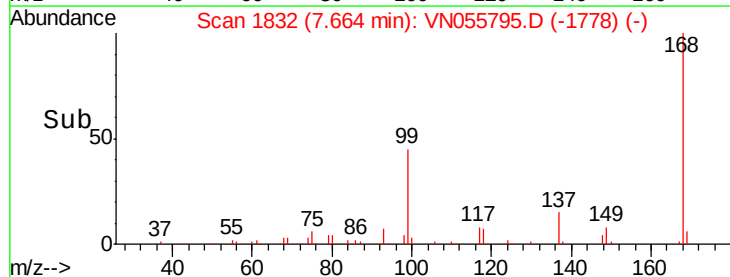
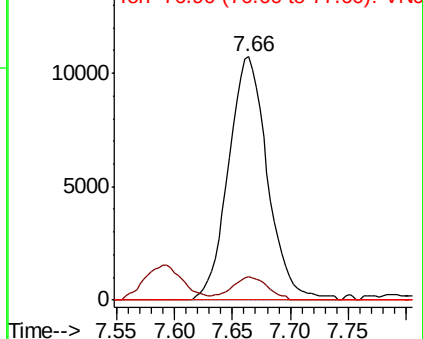


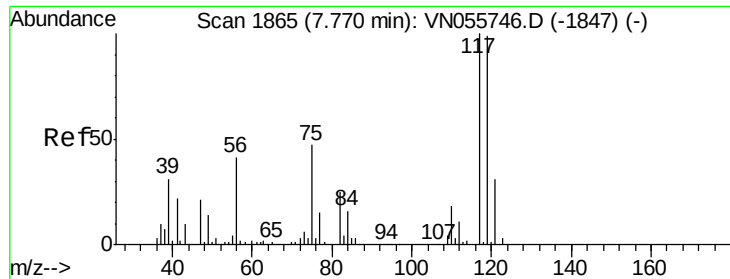
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.179 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

PB120021TB

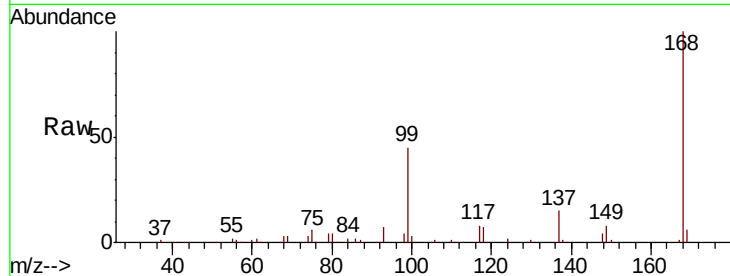
Tot Ion:117 Resp: 35405

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

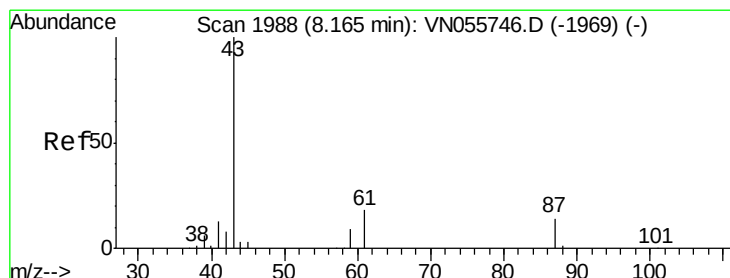
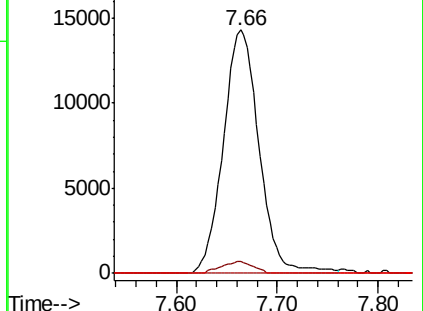
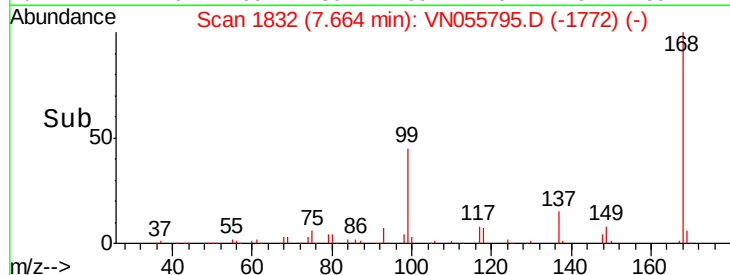
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.846 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

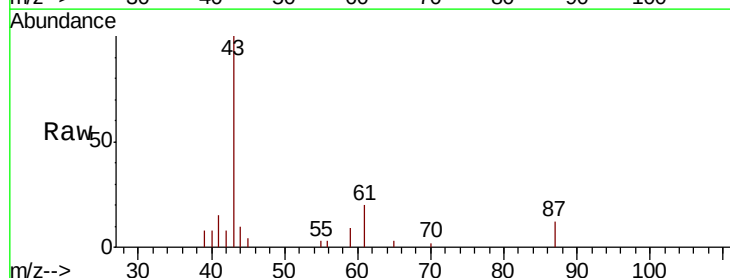
Tgt Ion: 43 Resp: 16491

Ion Ratio Lower Upper

43 100

61 18.8 22.2 33.4#

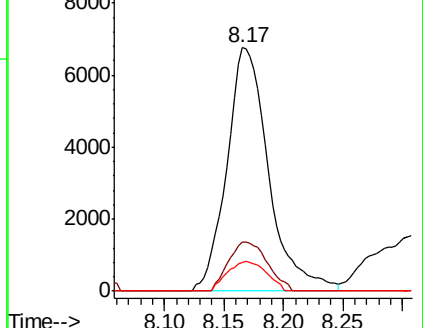
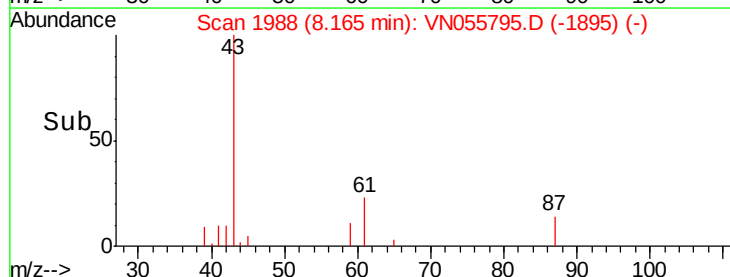
87 11.4 11.4 17.2#

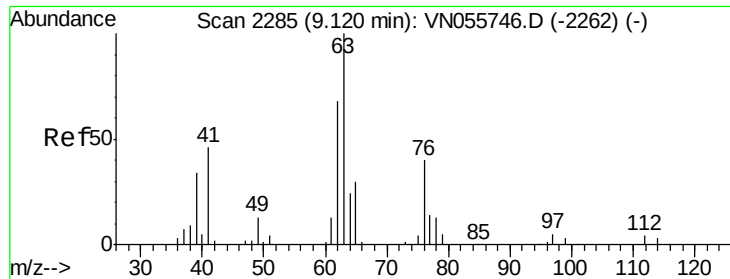


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

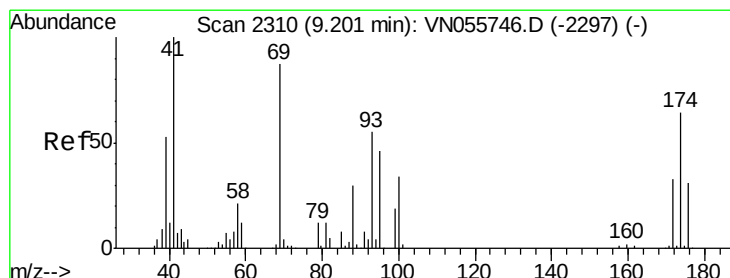
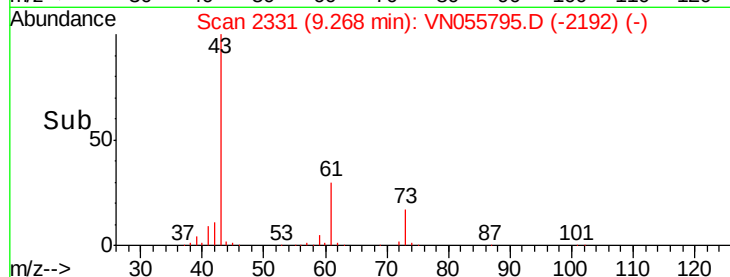
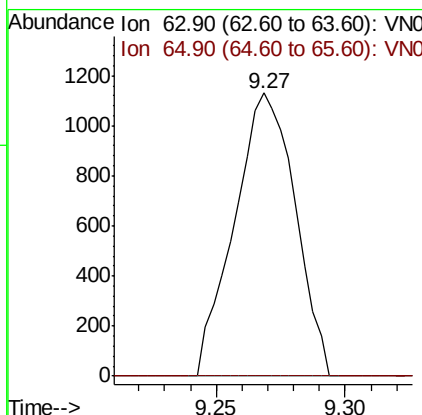
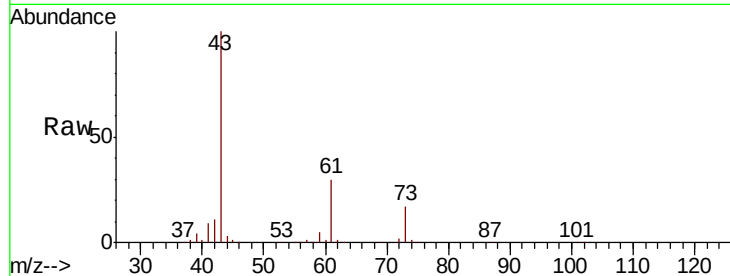




#45
 1,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

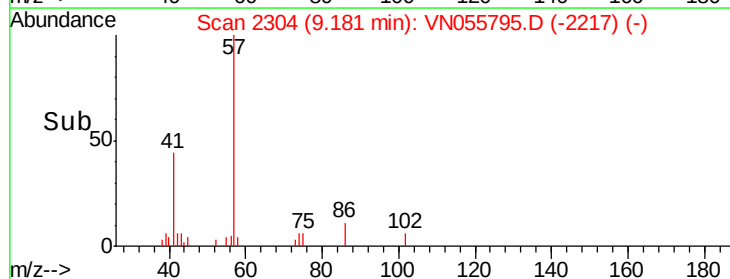
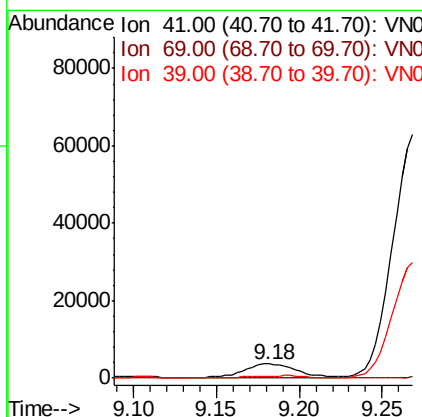
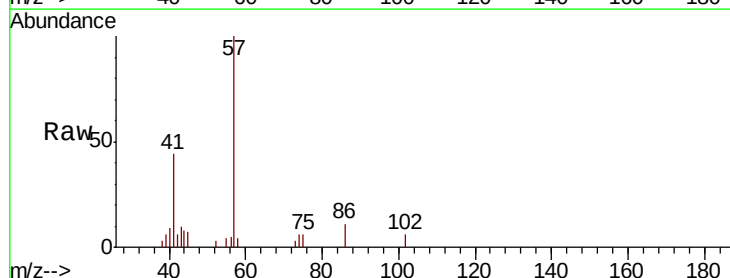
Instrument :
 MSVOA_N
 ClientSampled :
 PB120021TB

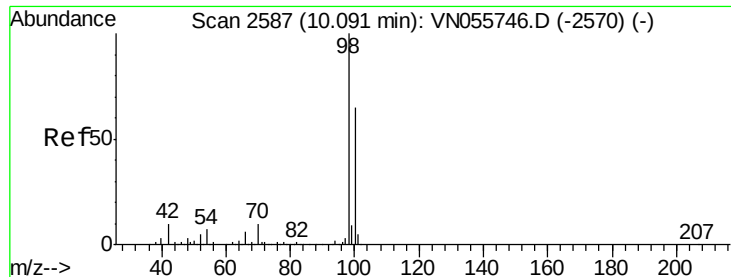
Tot Ion: 63 Resp: 1859
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 36.8#



#48
 Methyl methacrylate
 Concen: 1.828 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

Tgt Ion: 41 Resp: 7526
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.0 106.6#
 39 0.0 44.2 66.2#





#50

Toluene-d8

Concen: 48.817 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

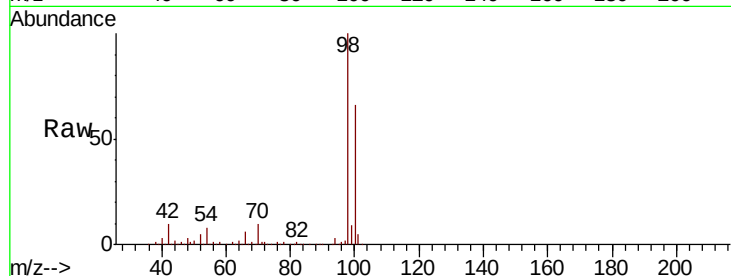
PB120021TB

Tot Ion: 98 Resp: 747354

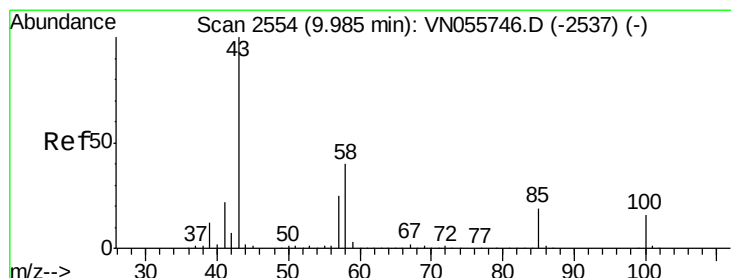
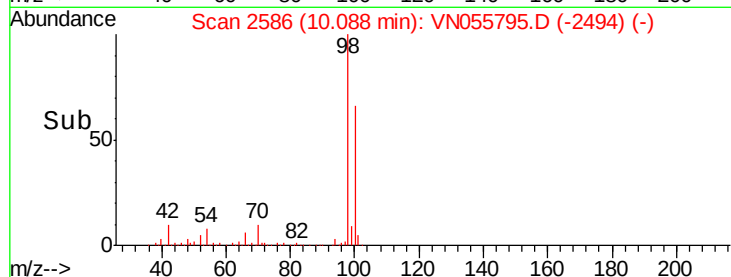
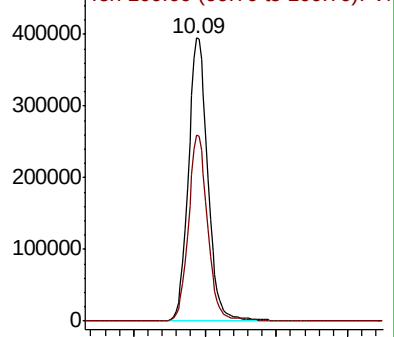
Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.037 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055795.D

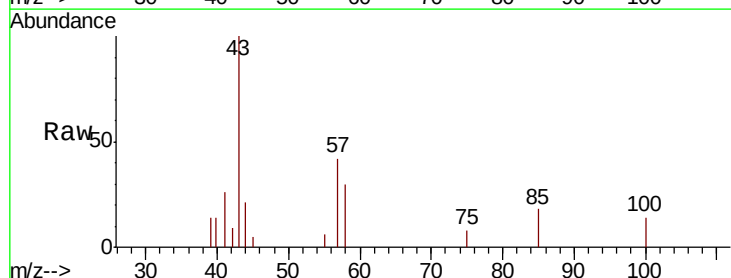
Acq: 24 May 2019 14:52

Tgt Ion: 43 Resp: 5471

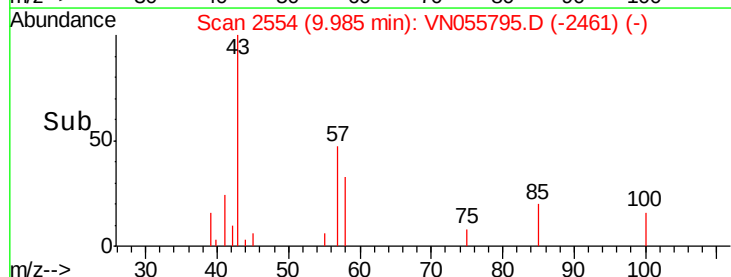
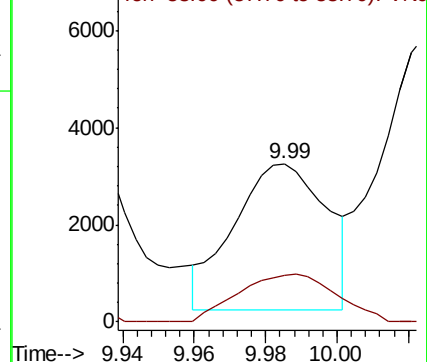
Ion Ratio Lower Upper

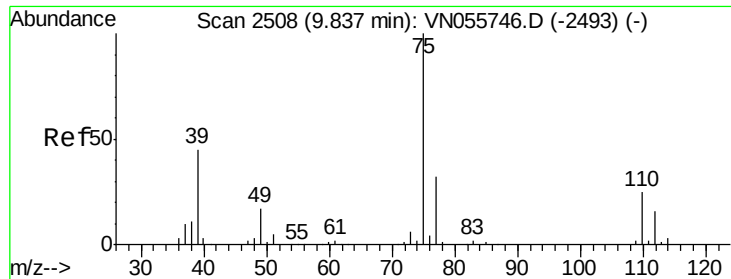
43 100

58 34.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)





#54

cis-1,3-Dichloropropene

Concen: 9.108 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB120021TB

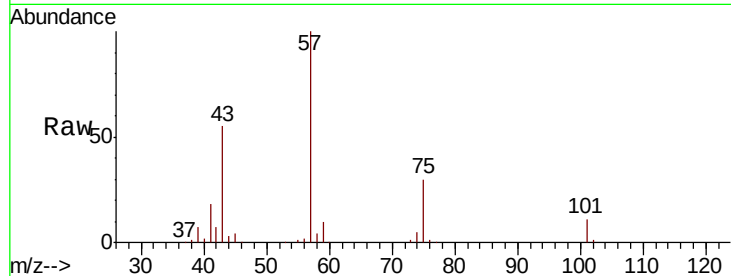
Tot Ion: 75 Resp: 62567

Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

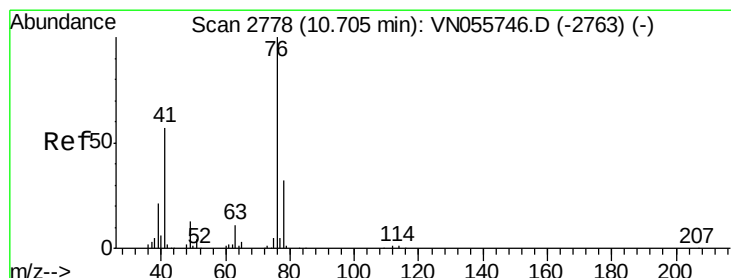
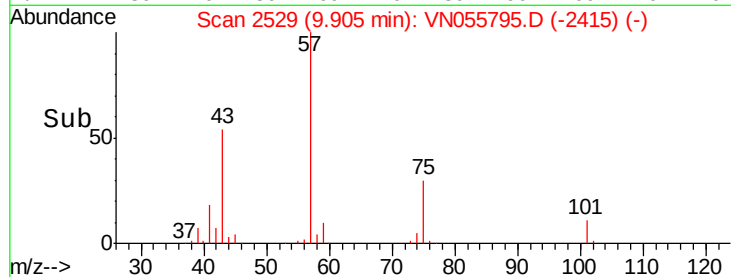
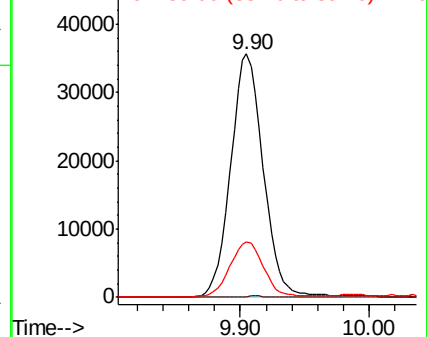
39 22.4 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.885 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055795.D

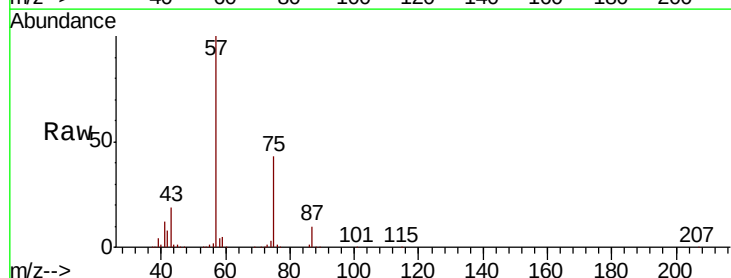
Acq: 24 May 2019 14:52

Tgt Ion: 76 Resp: 12800

Ion Ratio Lower Upper

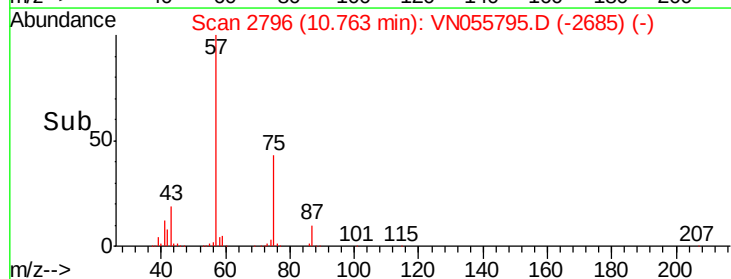
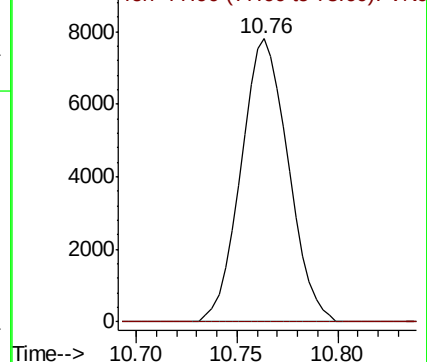
76 100

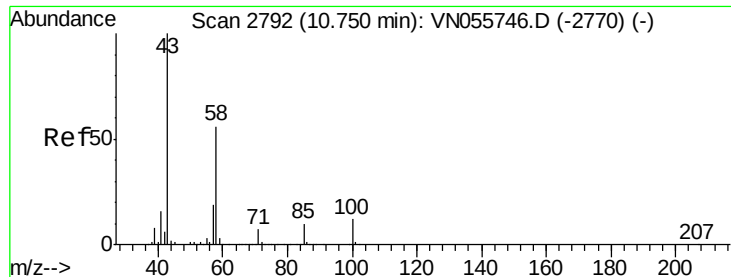
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

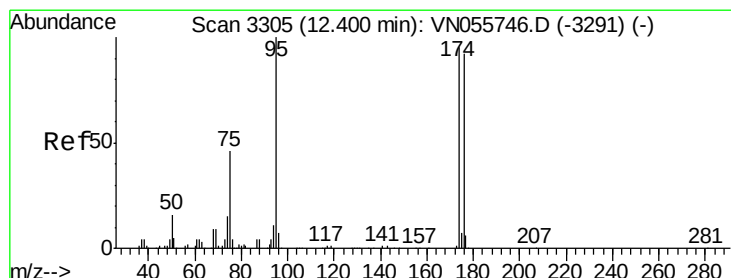
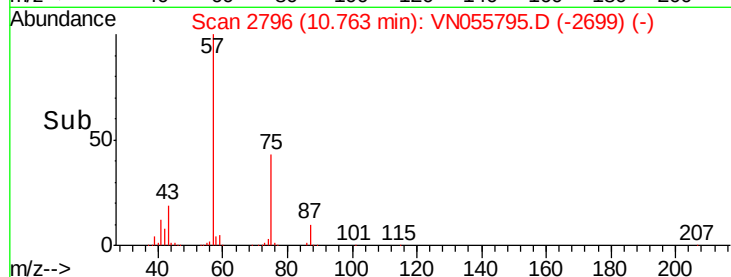
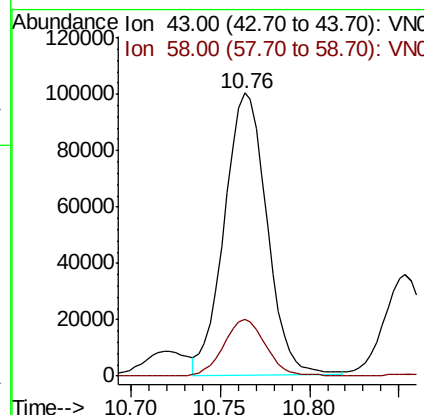
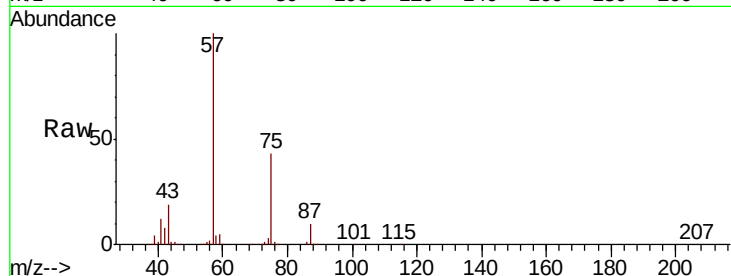




#59
2-Hexanone
Concen: 44.414 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

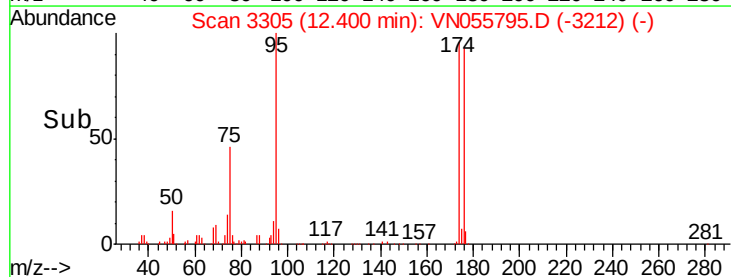
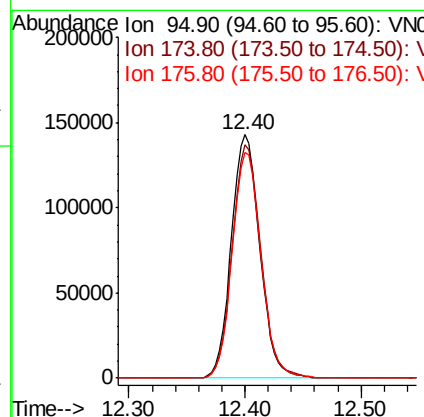
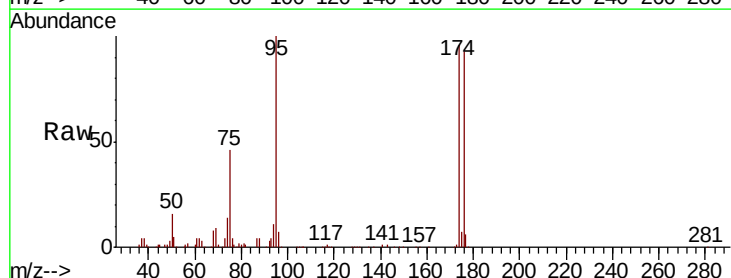
Instrument :
MSVOA_N
ClientSampled :
PB120021TB

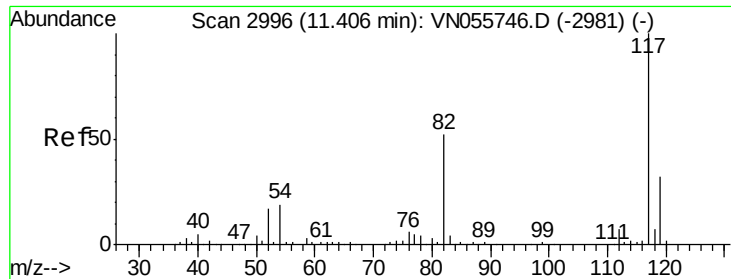
Tot Ion: 43 Resp: 166236
Ion Ratio Lower Upper
43 100
58 20.1 28.2 84.7#



#62
4-Bromofluorobenzene
Concen: 46.371 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

Tgt Ion: 95 Resp: 243420
Ion Ratio Lower Upper
95 100
174 96.1 0.0 191.0
176 93.6 0.0 185.2

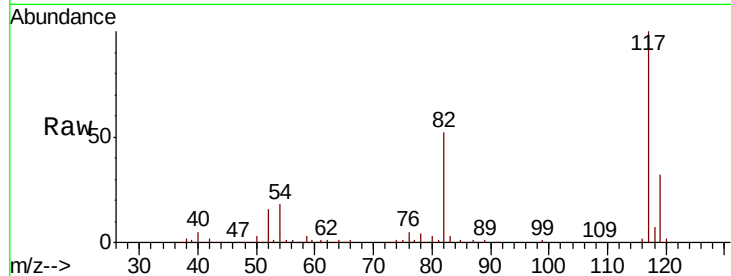




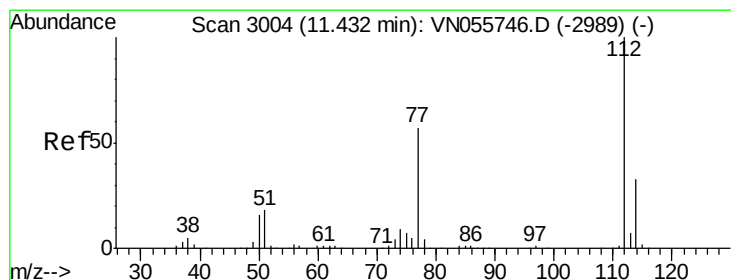
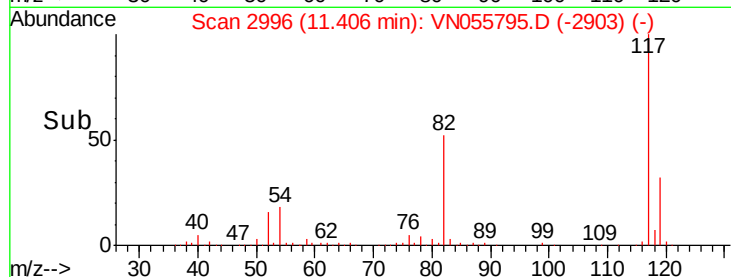
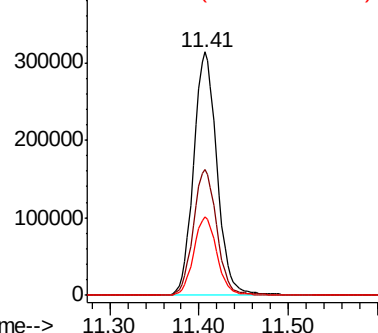
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

Instrument :
MSVOA_N
ClientSampled :
PB120021TB

Tot Ion:117 Resp: 569454
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.2 25.4 38.0

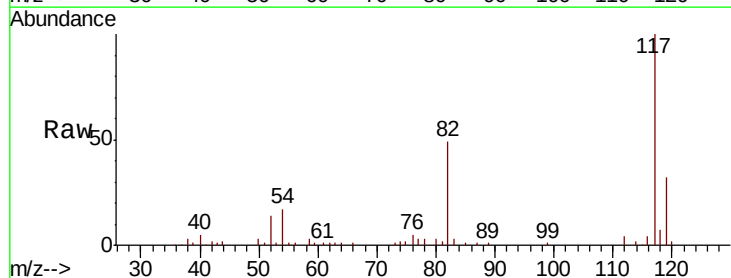


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

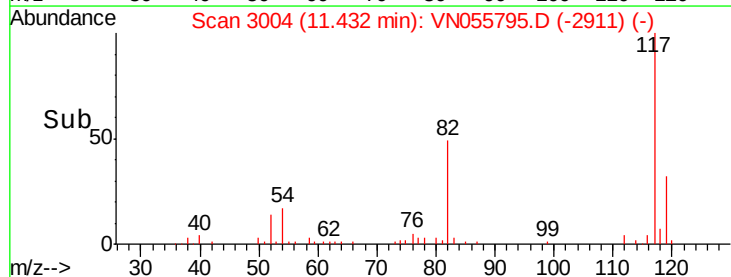
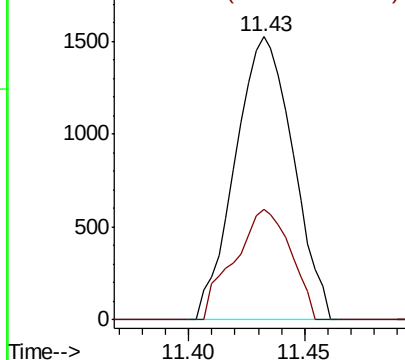


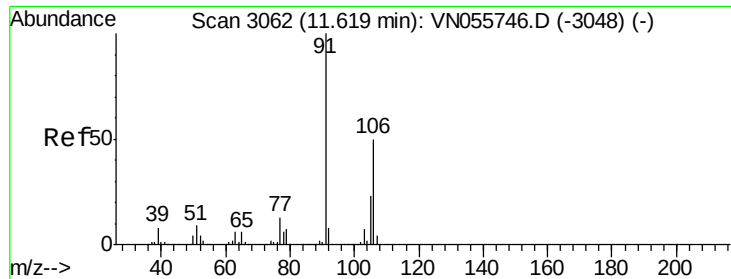
#65
Chlorobenzene
Concen: 0.232 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

Tgt Ion:112 Resp: 2648
Ion Ratio Lower Upper
112 100
114 39.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#68

m/p-Xvlenes

Concen: 0.732 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

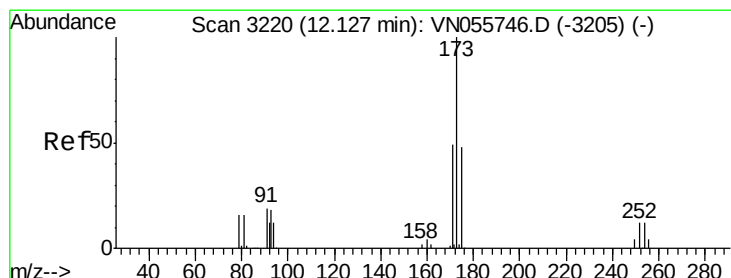
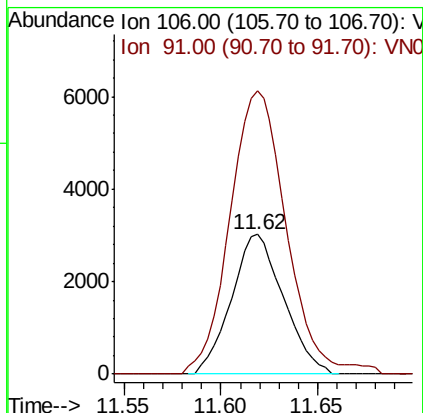
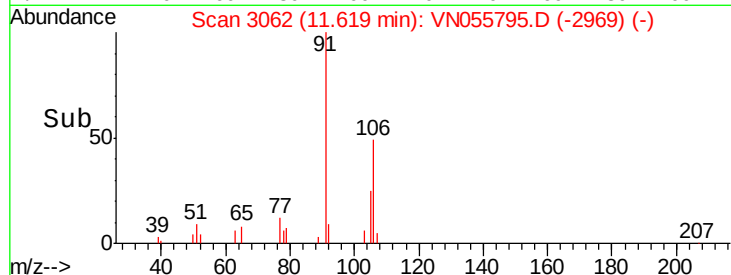
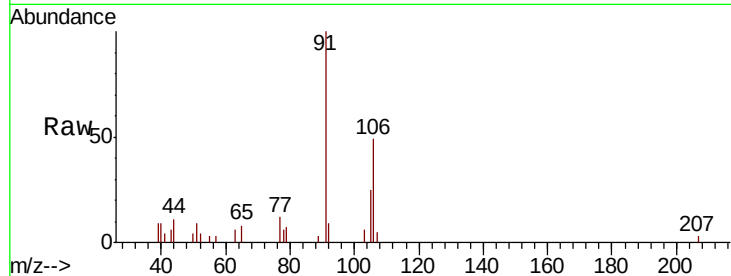
PB120021TB

Tot Ion:106 Resp: 5660

Ion Ratio Lower Upper

106 100

91 219.9 159.3 238.9



#71

Bromoform

Concen: 0.425 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

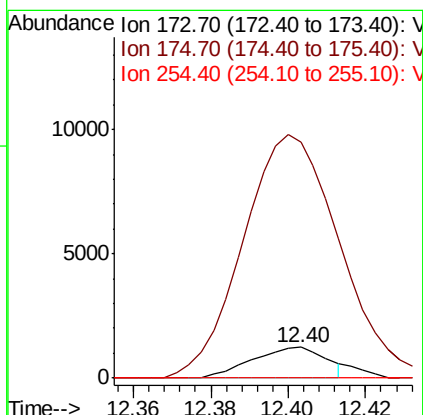
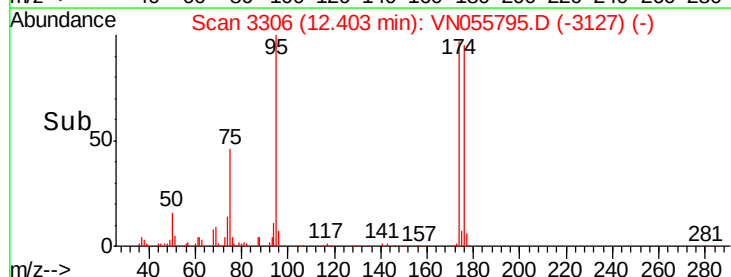
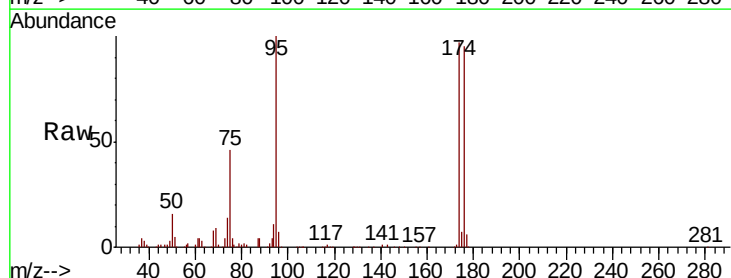
Tgt Ion:173 Resp: 1649

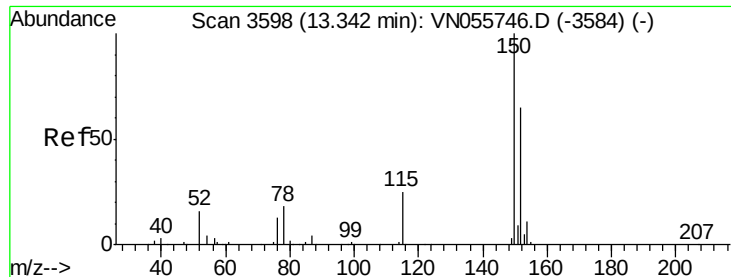
Ion Ratio Lower Upper

173 100

175 898.6 24.3 72.8#

254 0.0 0.0 0.0

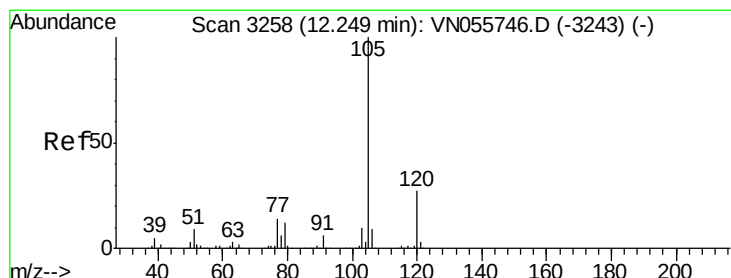
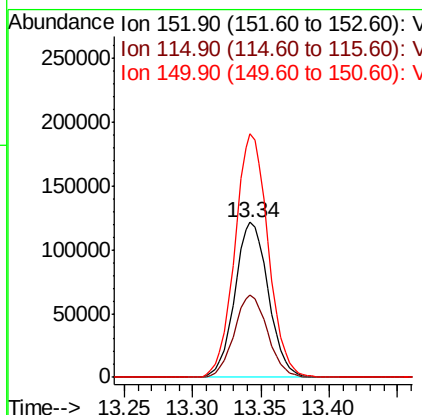
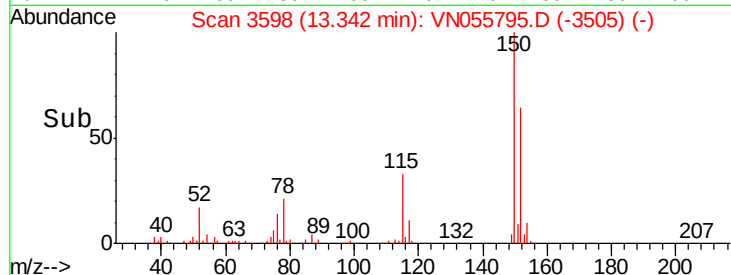
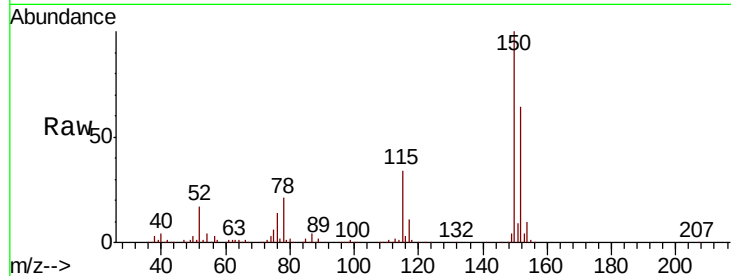




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

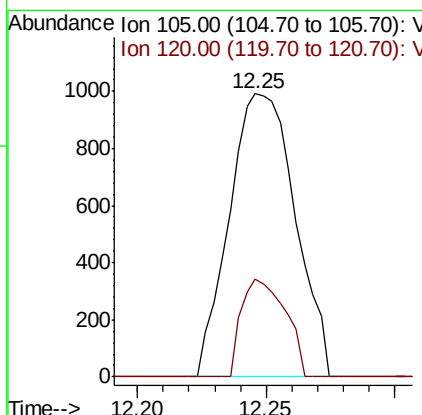
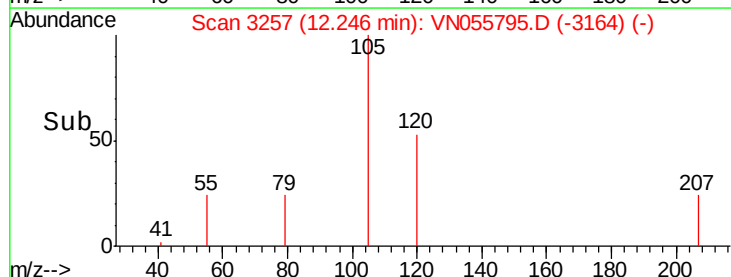
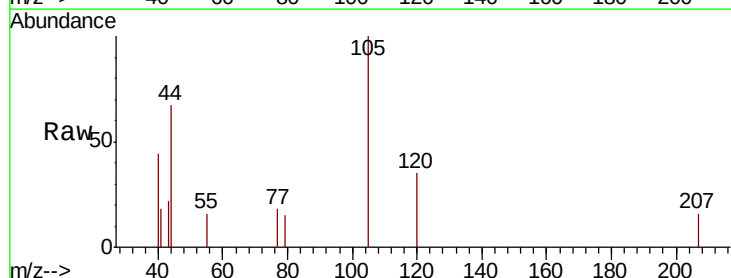
Instrument :
 MSVOA_N
 ClientSampled :
 PB120021TB

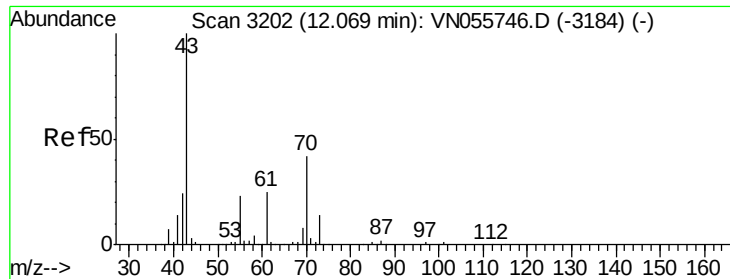
Tot Ion:152 Resp: 207295
 Ion Ratio Lower Upper
 152 100
 115 53.0 27.0 81.0
 150 155.7 0.0 343.2



#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

Tgt Ion:105 Resp: 1761
 Ion Ratio Lower Upper
 105 100
 120 23.2 13.6 40.7

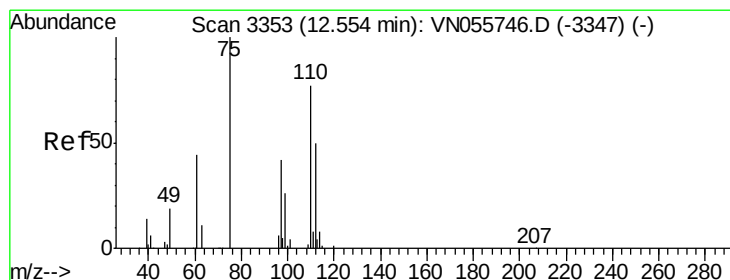
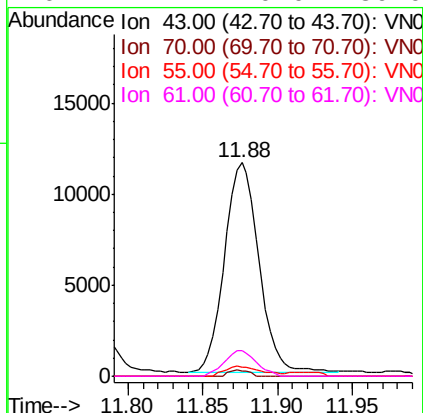
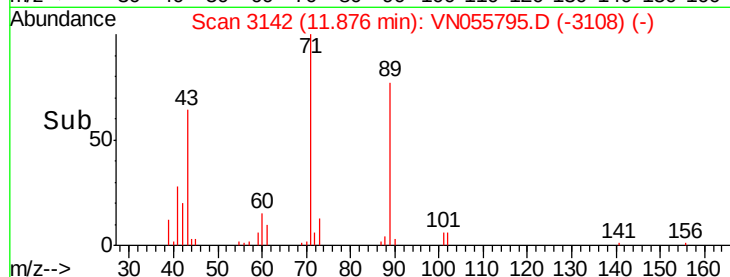
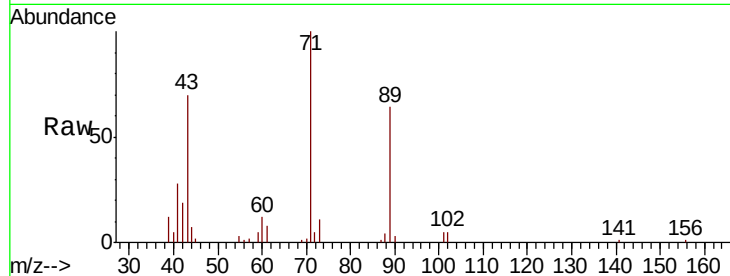




#74
N-amvl acetate
Concen: 1.068 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

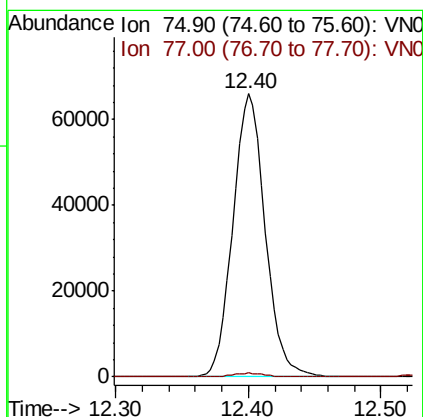
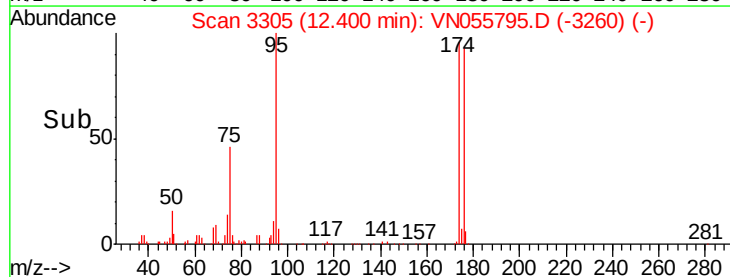
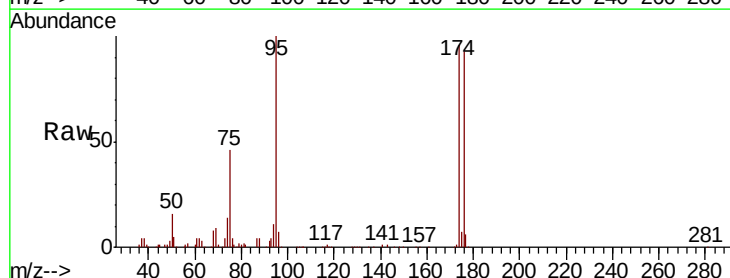
Instrument :
MSVOA_N
ClientSampled :
PB120021TB

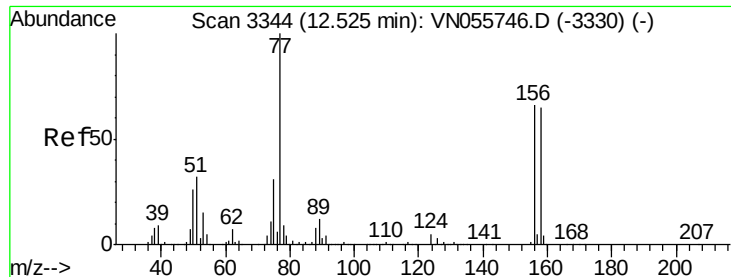
Tot Ion: 43 Resp: 18511
Ion Ratio Lower Upper
43 100
70 1.7 34.0 51.0#
55 4.9 18.6 28.0#
61 11.4 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 29.954 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055795.D
Acq: 24 May 2019 14:52

Tgt Ion: 75 Resp: 111424
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#77

Bromobenzene

Concen: 0.201 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

PB120021TB

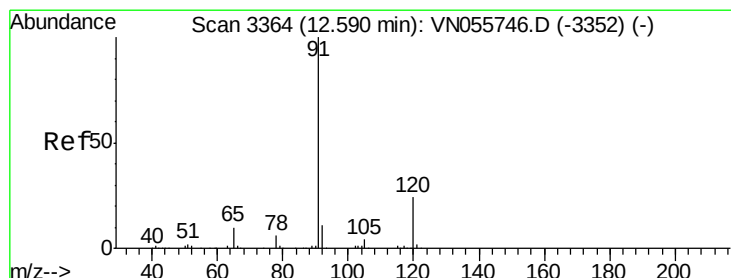
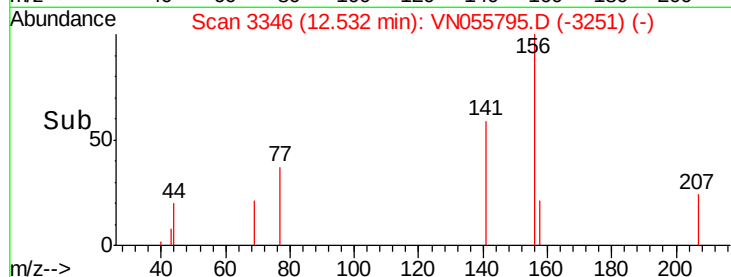
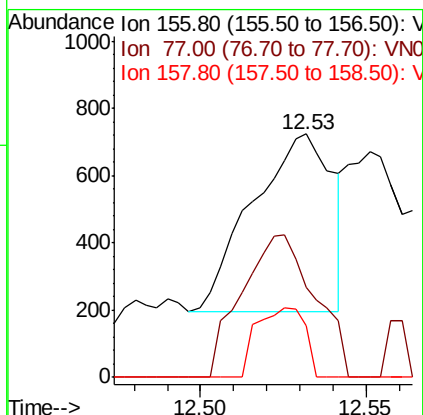
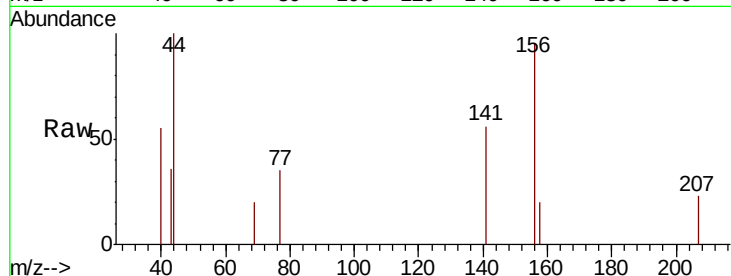
Tot Ion:156 Resp: 891

Ion Ratio Lower Upper

156 100

77 72.8 90.8 272.5#

158 23.3 49.3 147.8#



#78

n-propylbenzene

Concen: 0.204 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055795.D

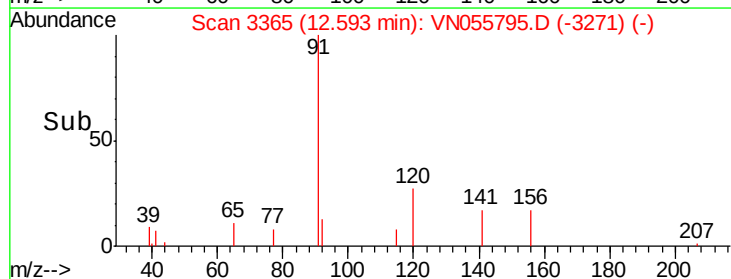
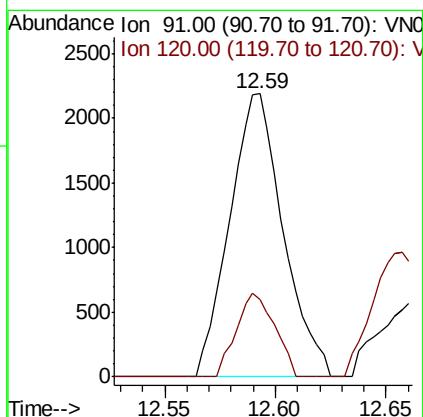
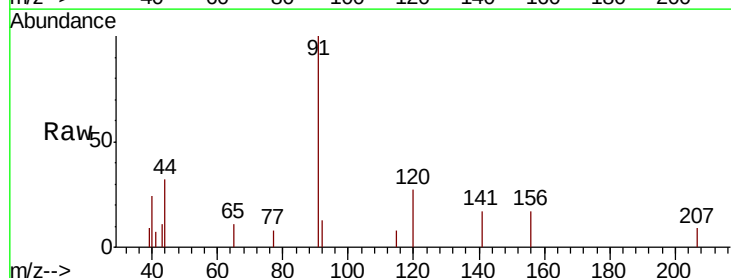
Acq: 24 May 2019 14:52

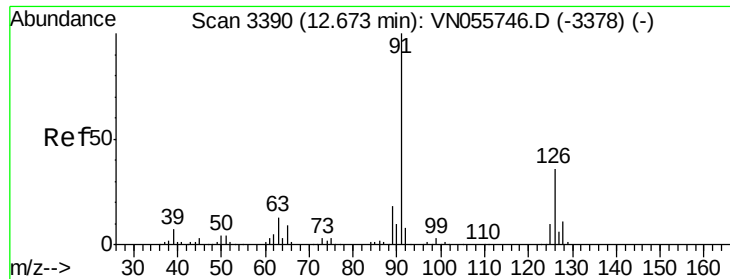
Tgt Ion: 91 Resp: 3674

Ion Ratio Lower Upper

91 100

120 21.3 12.0 36.0

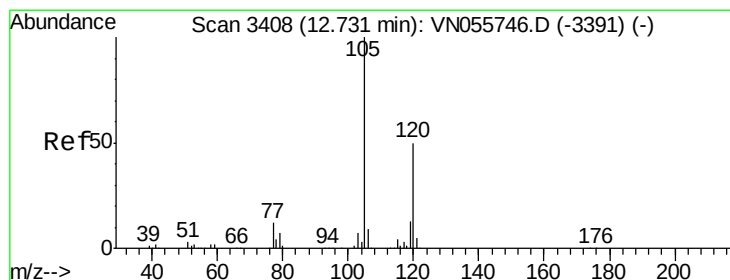
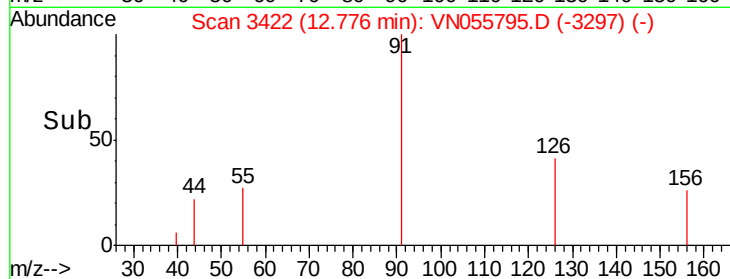
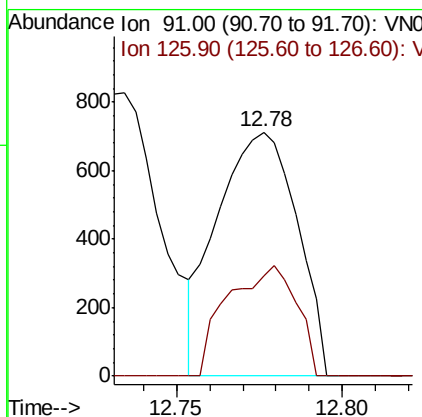
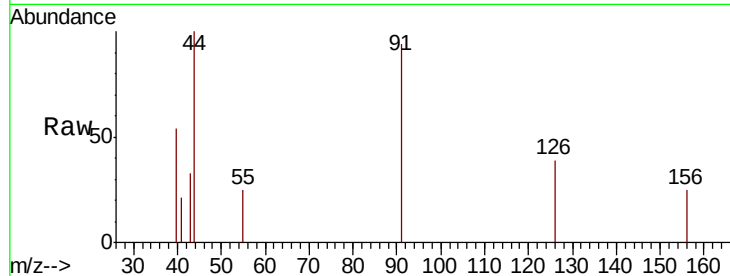




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.10 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

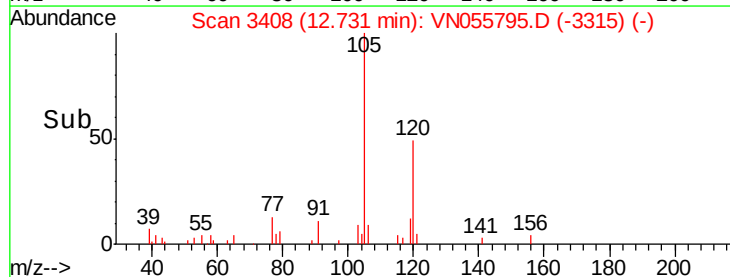
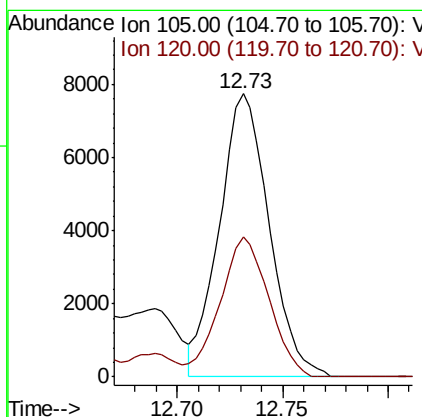
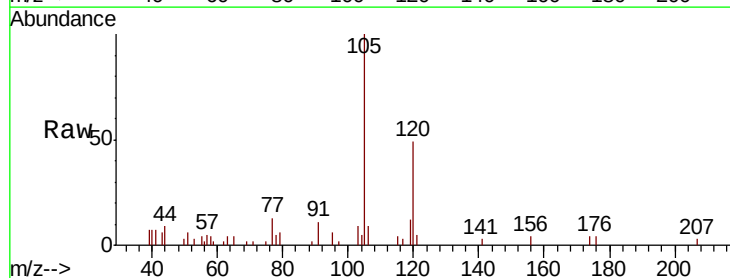
Instrument :
 MSVOA_N
 ClientSampleId :
 PB120021TB

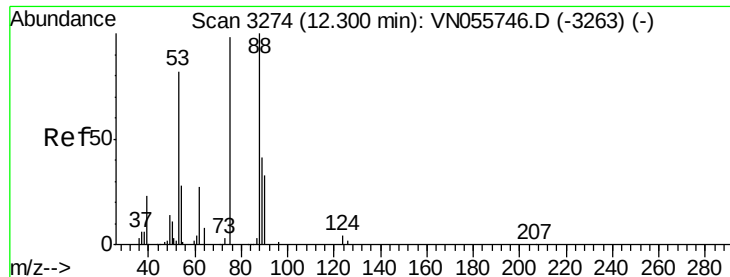
Tot Ion: 91 Resp: 1190
 Ion Ratio Lower Upper
 91 100
 126 39.2 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

Tgt Ion: 105 Resp: 12677
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 72.321 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

PB120021TB

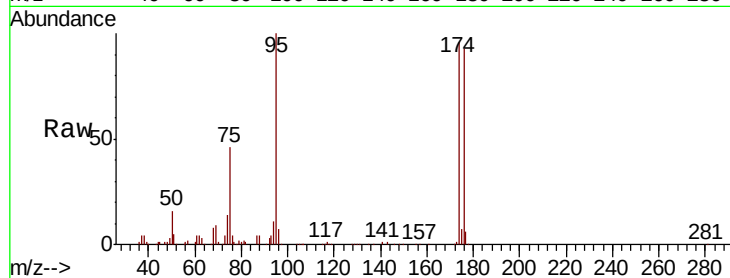
Tot Ion: 75 Resp: 111424

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

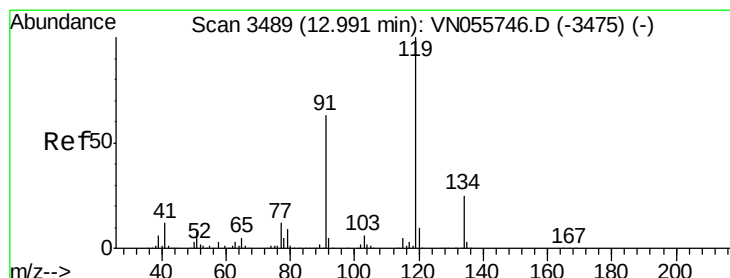
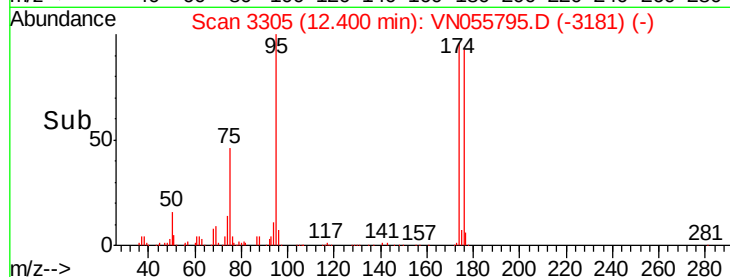
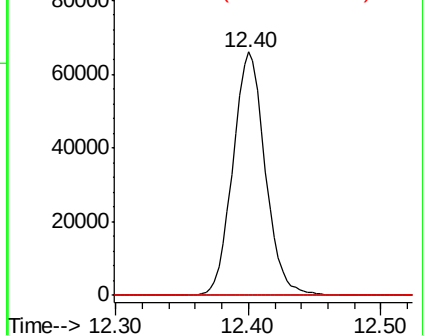
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN055746.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN055746.D (-3263) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

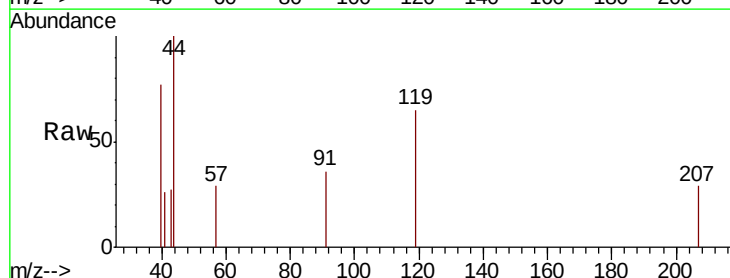
Tgt Ion: 119 Resp: 905

Ion Ratio Lower Upper

119 100

91 47.8 30.9 92.8

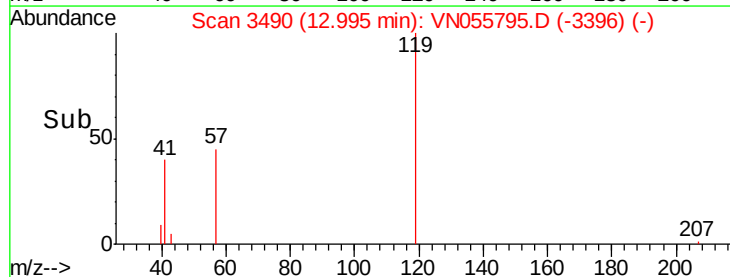
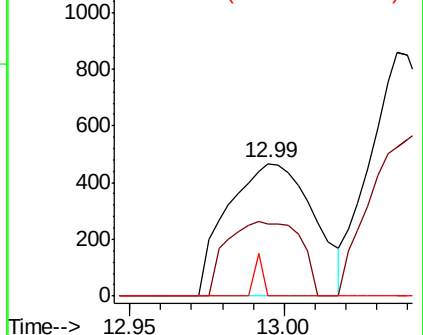
134 3.2 13.3 39.8#

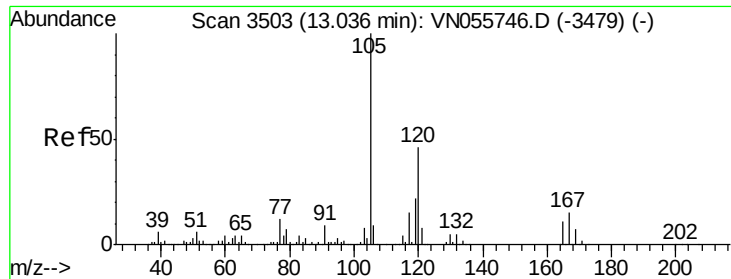


Abundance Ion 119.00 (118.70 to 119.70): VN055746.D (-3475) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-3475) (-)

Ion 134.00 (133.70 to 134.70): VN055746.D (-3475) (-)

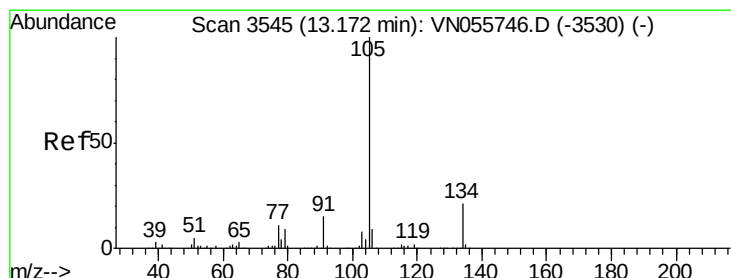
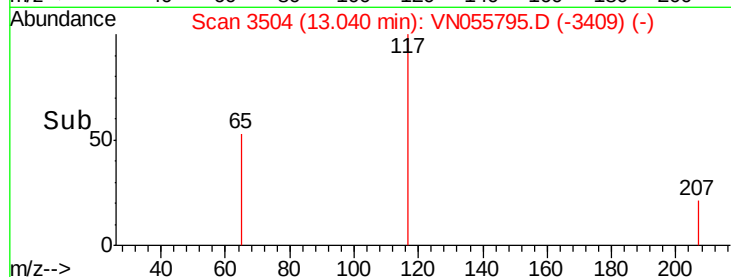
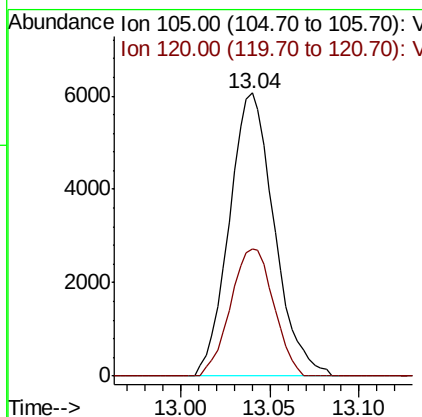
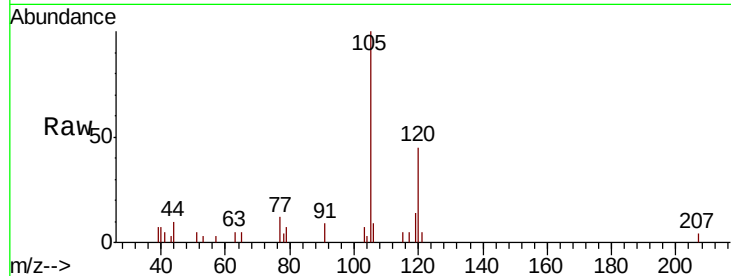




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

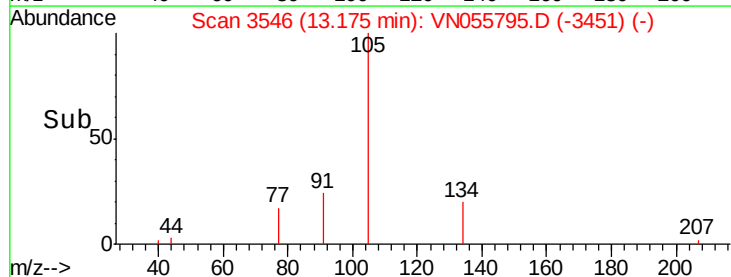
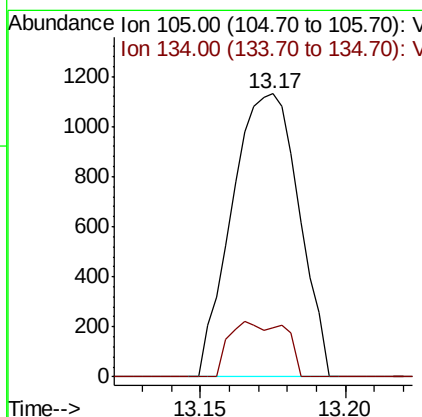
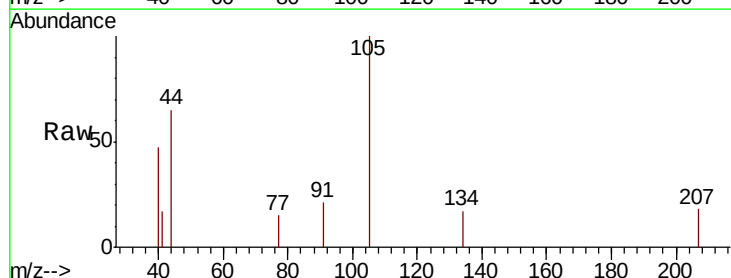
Instrument :
 MSVOA_N
 ClientSampled :
 PB120021TB

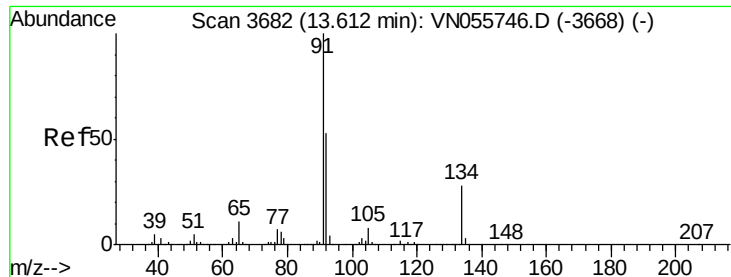
Tot Ion:105 Resp: 10629
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

Tgt Ion:105 Resp: 1810
 Ion Ratio Lower Upper
 105 100
 134 10.2 10.4 31.2#





#89

n-Butylbenzene

Concen: 0.258 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

PB120021TB

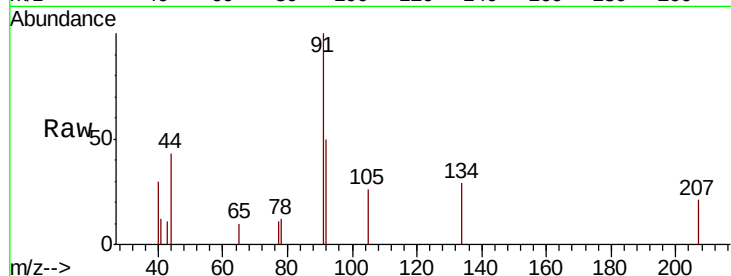
Tot Ion: 91 Resp: 2845

Ion Ratio Lower Upper

91 100

92 42.3 26.4 79.0

134 0.0 13.9 41.7#

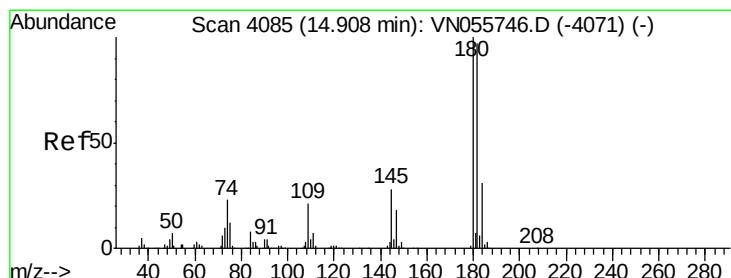
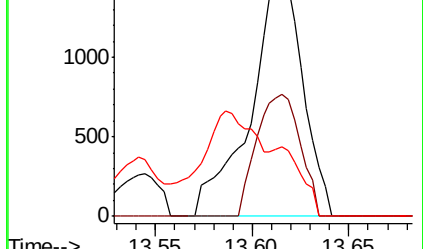
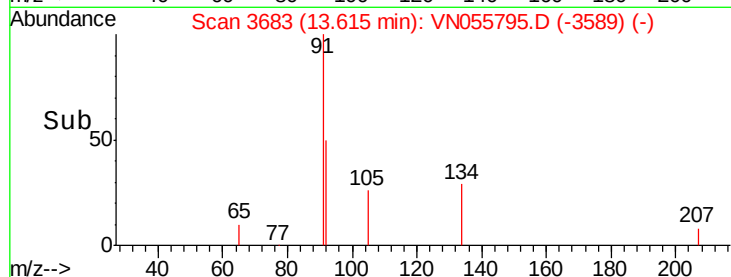


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055746.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055746.D (-3668) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.003 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

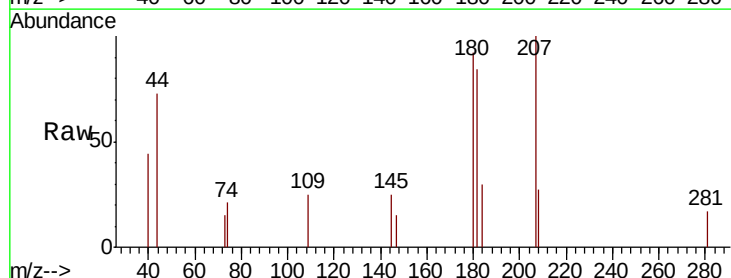
Tgt Ion: 180 Resp: 1588

Ion Ratio Lower Upper

180 100

182 99.4 48.3 144.9

145 23.5 14.0 41.9

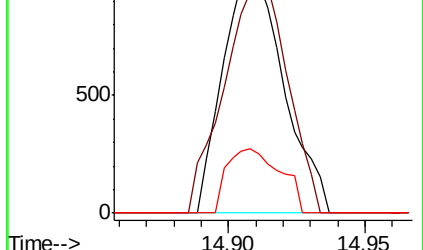
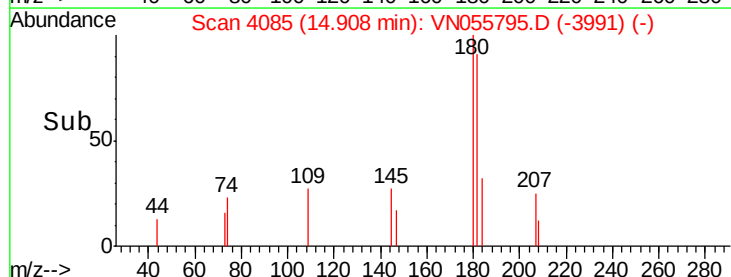


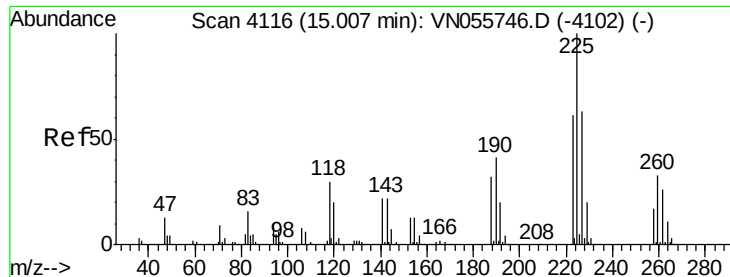
Abundance Ion 179.80 (179.50 to 180.50): VN055746.D (-4071) (-)

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

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

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB120021TB

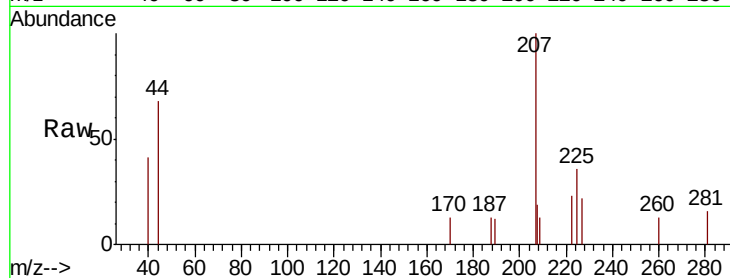
Tot Ion:225 Resp: 585

Ion Ratio Lower Upper

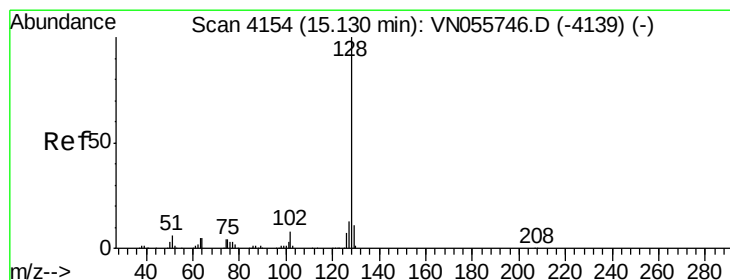
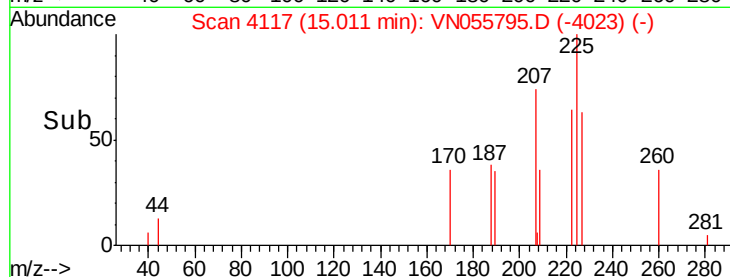
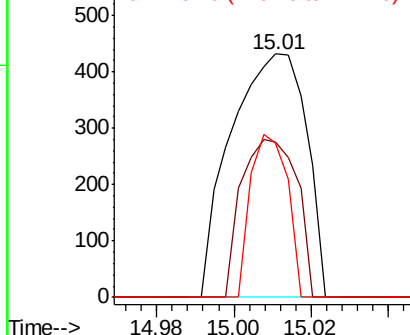
225 100

223 47.5 30.9 92.7

227 32.8 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.899 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055795.D

Acq: 24 May 2019 14:52

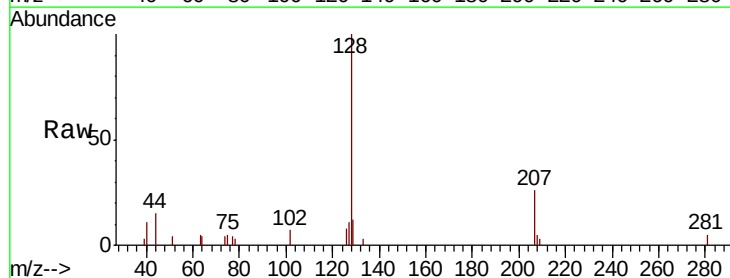
Tgt Ion:128 Resp: 8623

Ion Ratio Lower Upper

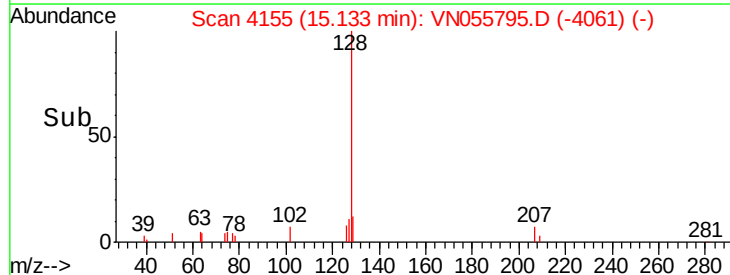
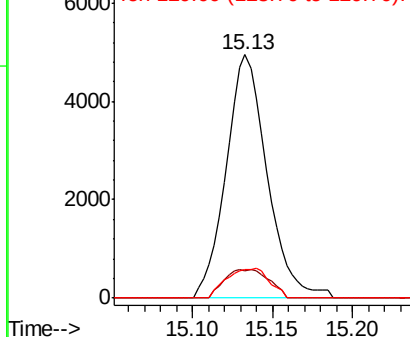
128 100

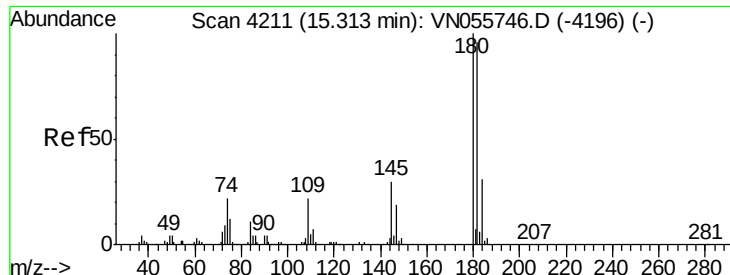
127 12.8 10.3 15.5

129 12.6 8.7 13.1



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

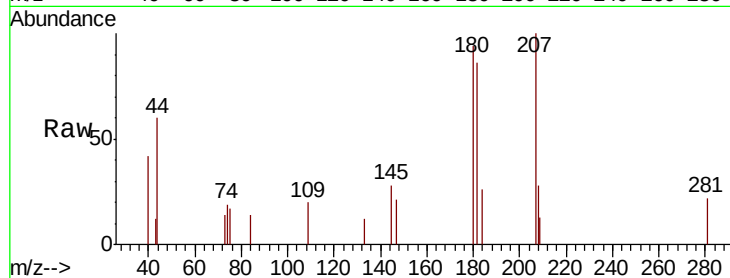




#96
 1,2,3-Trichlorobenzene
 Concen: 0.626 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055795.D
 Acq: 24 May 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120021TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.0	47.9	143.7
145	24.8	14.9	44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

