

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056472.D
 Acq On : 25 Jun 2019 9:38
 Operator : JC/SP
 Sample : VN0625MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Quant Time: Jun 26 03:38:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	598677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152401	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	201498	50.26	ug/l	0.00
Spiked Amount						
			Recovery	=	100.52%	
35) Dibromofluoromethane	7.59	113	182374	48.83	ug/l	0.00
Spiked Amount						
			Recovery	=	97.66%	
50) Toluene-d8	10.09	98	731855	50.36	ug/l	0.00
Spiked Amount						
			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	217961	44.99	ug/l	0.00
Spiked Amount						
			Recovery	=	89.98%	

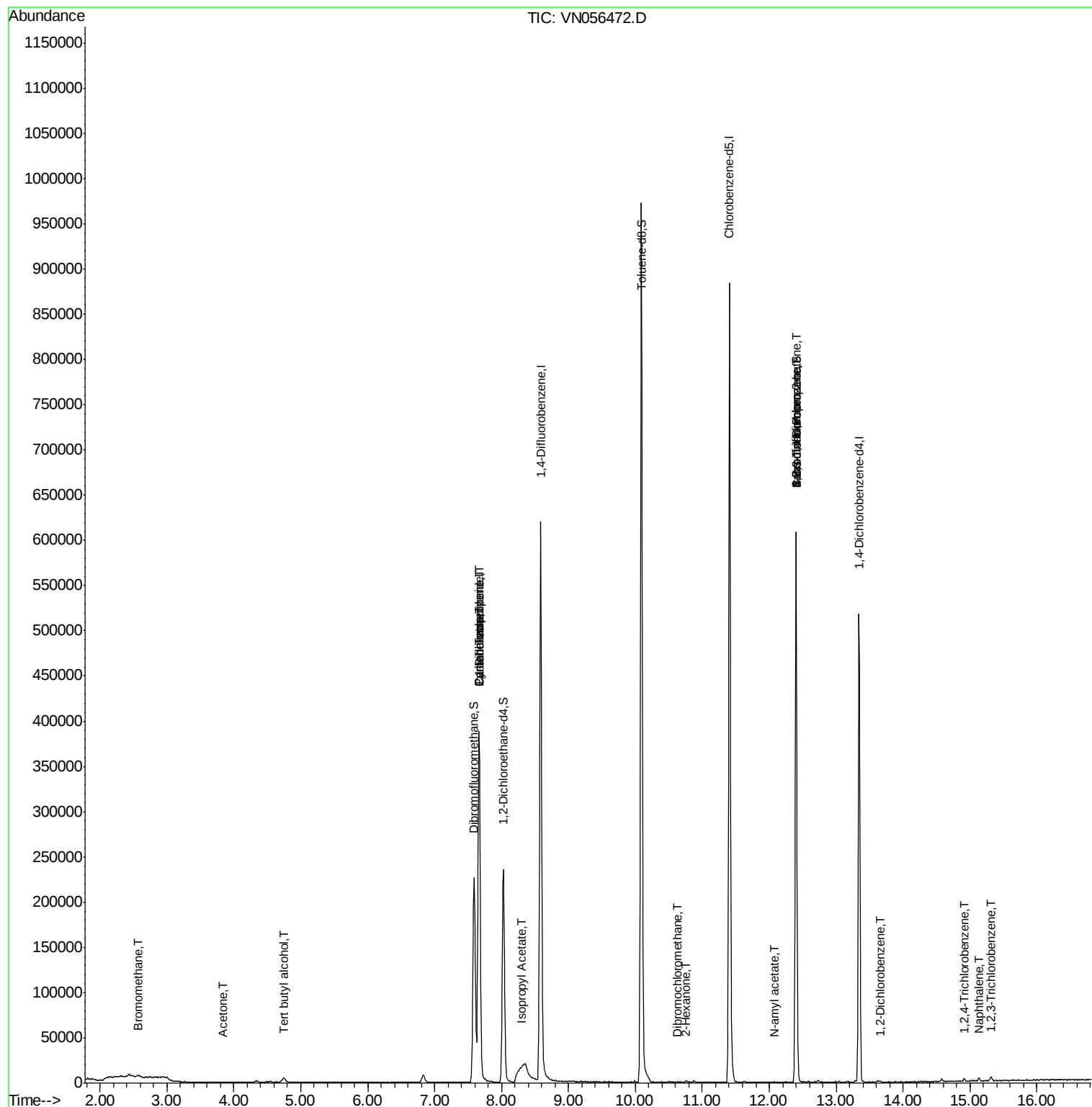
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	630	0.267	ug/l #	63
11) Tert butyl alcohol	4.74	59	4723	6.994	ug/l #	74
16) Acetone	3.84	43	1380	0.687	ug/l #	42
18) Methyl Acetate	4.33	43	1742	Below Cal	#	88
31) Cyclohexane	7.66	56	5824	0.941	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22887	4.343	ug/l #	50
38) Carbon Tetrachloride	7.66	117	30447	6.607	ug/l #	14
43) Isopropyl Acetate	8.28	43	22152	2.774	ug/l #	54
59) 2-Hexanone	10.76	43	1666	0.440	ug/l	77
60) Dibromochloromethane	10.63	129	60	2.396	ug/l #	10
71) Bromoform	12.40	173	1700	3.664	ug/l #	1
73) Isopropylbenzene	12.25	105	761	Below Cal	#	48
74) N-amyl acetate	12.08	43	1468	0.303	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	102264	32.361	ug/l #	100
79) 2-Chlorotoluene	12.78	91	707	Below Cal		90
80) 1,3,5-Trimethylbenzene	12.73	105	655	Below Cal		94
81) trans-1,4-Dichloro-2-buten	12.40	75	102264	115.017	ug/l #	8
83) tert-Butylbenzene	12.99	119	727	Below Cal	#	80
91) 1,2-Dichlorobenzene	13.66	146	1087	0.212	ug/l	89
93) 1,2,4-Trichlorobenzene	14.91	180	1385	6.075	ug/l	85
94) Hexachlorobutadiene	15.01	225	192	Below Cal		63
95) Naphthalene	15.13	128	3937	5.750	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.32	180	2303	5.240	ug/l	95

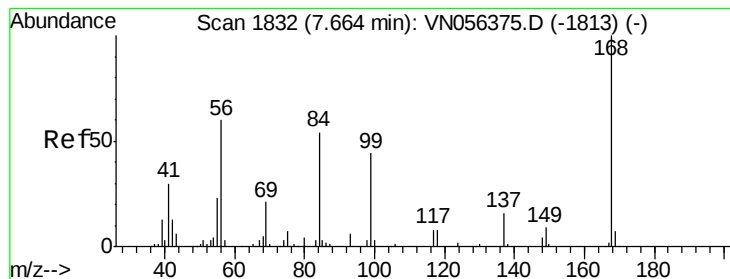
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062519\
Data File : VN056472.D
Acq On : 25 Jun 2019 9:38
Operator : JC/SP
Sample : VN0625MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

Quant Time: Jun 26 03:38:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

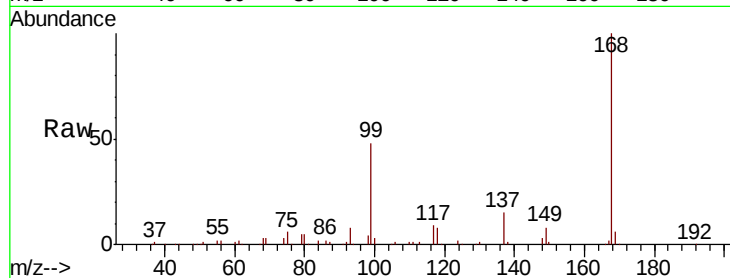
VN0625MBL01

Tot Ion:168 Resp: 361742

Ion Ratio Lower Upper

168 100

99 48.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

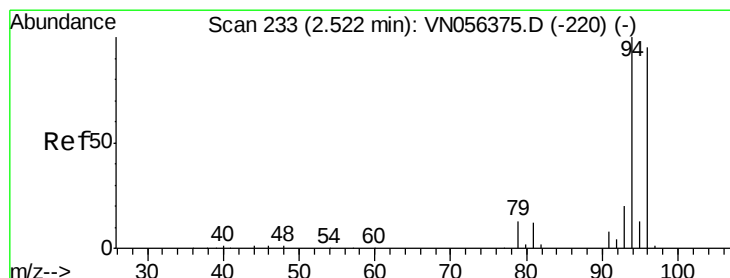
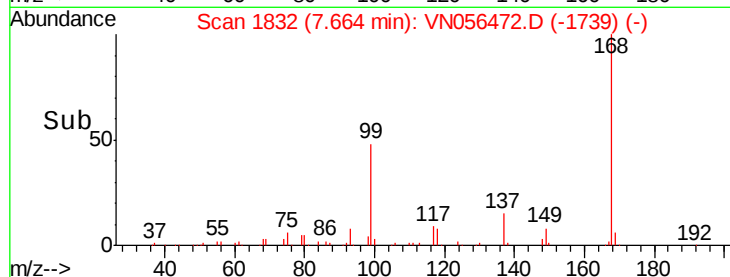
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.267 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.05 min

Lab File: VN056472.D

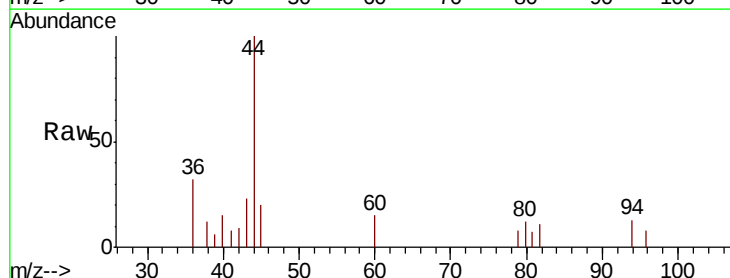
Acq: 25 Jun 2019 9:38

Tgt Ion: 94 Resp: 630

Ion Ratio Lower Upper

94 100

96 59.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

400

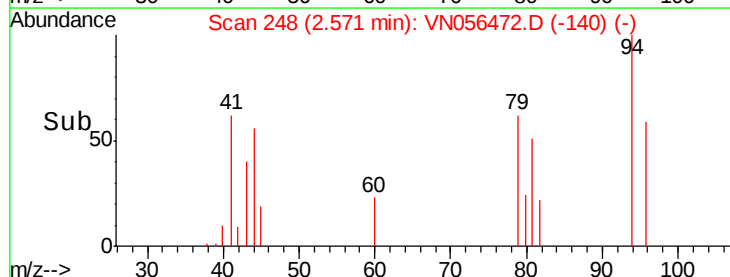
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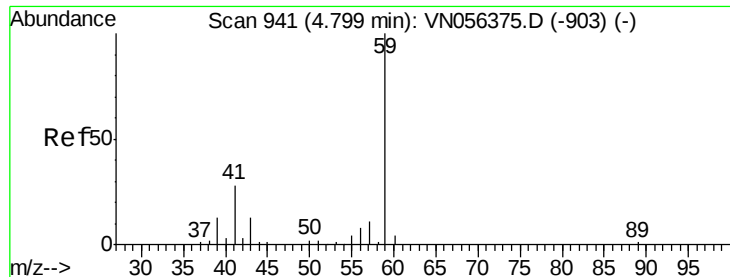
200

100

0

Time-->

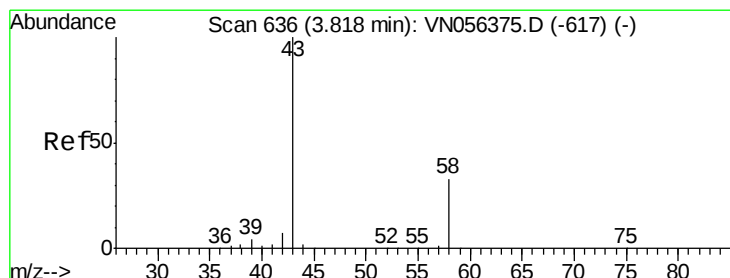
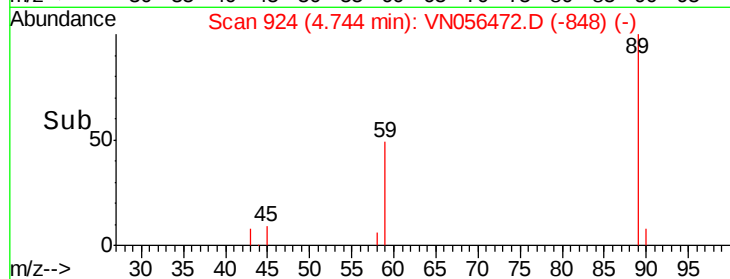
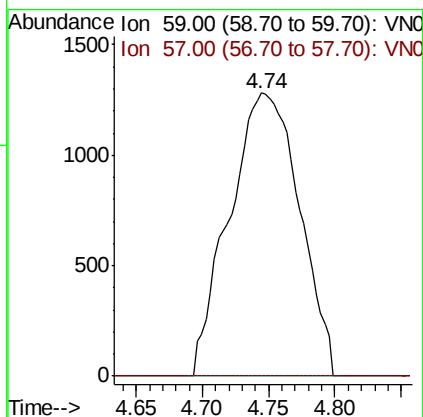
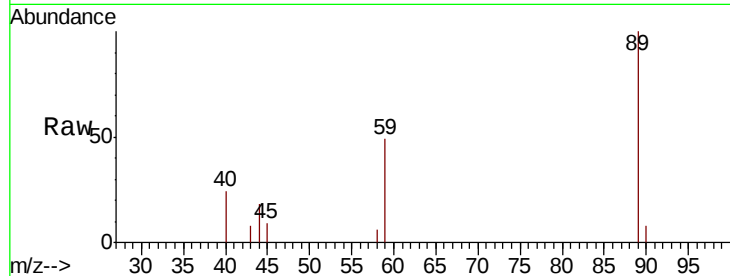




#11
Tert butyl alcohol
Concen: 6.994 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.05 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

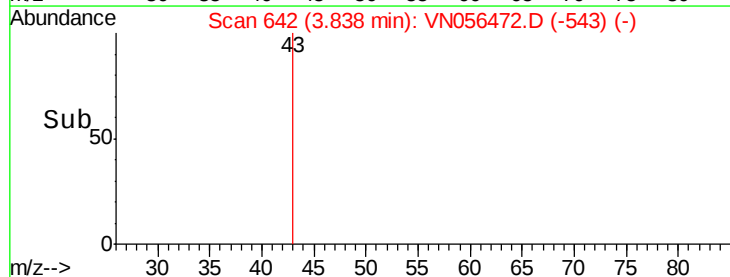
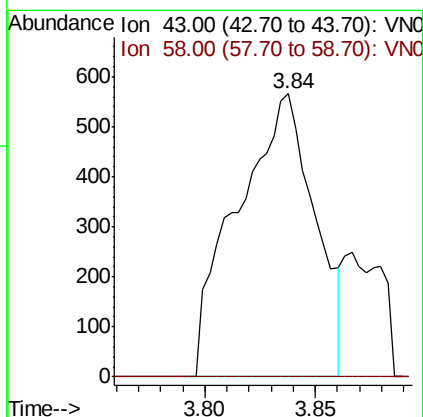
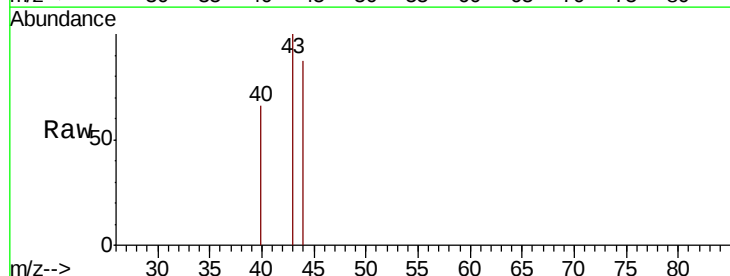
Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

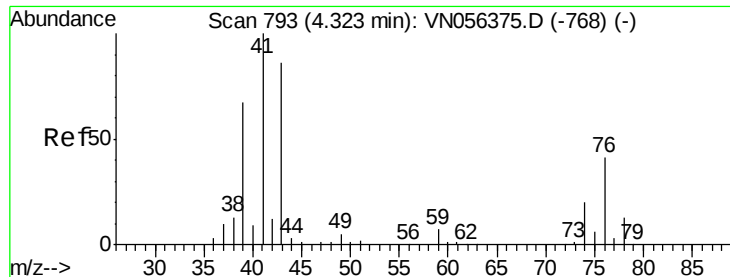
Tot Ion: 59 Resp: 4723
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#16
Acetone
Concen: 0.687 ug/l
RT: 3.84 min Scan# 642
Delta R.T. 0.02 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#

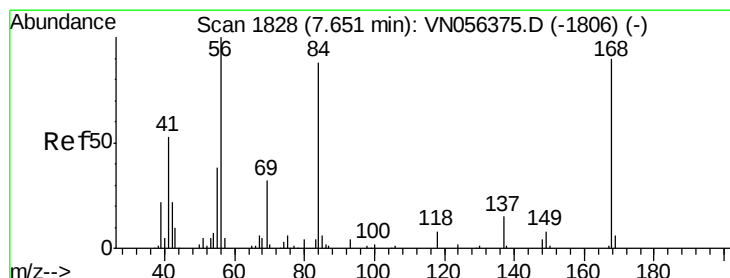
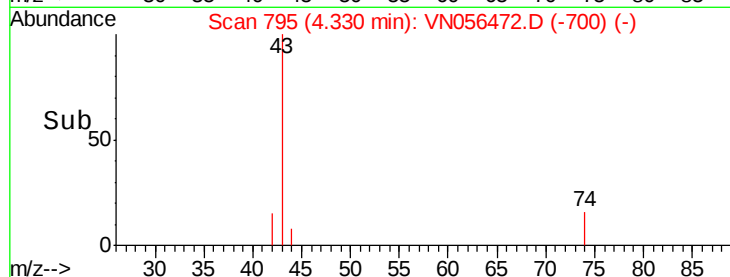
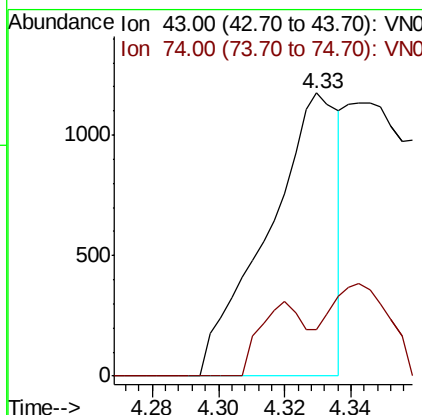
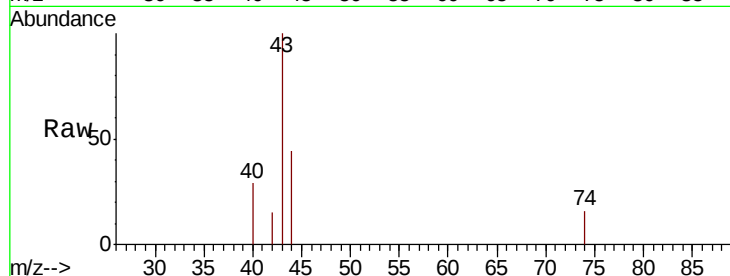




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

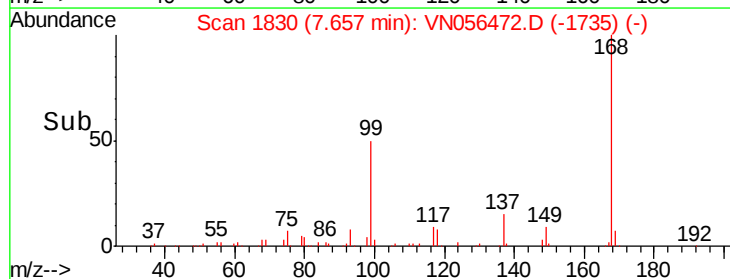
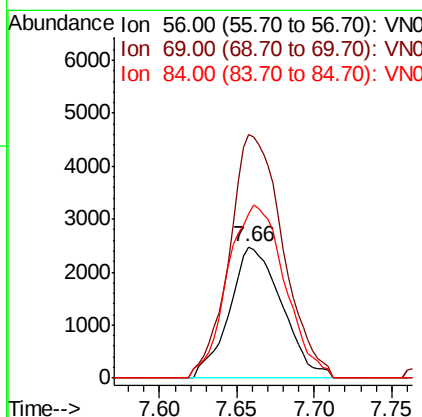
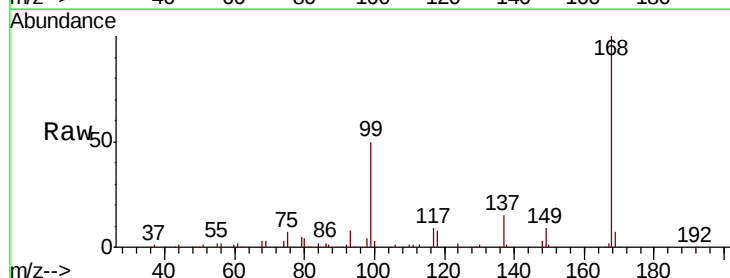
Instrument :
MSVOA_N
ClientSampled :
VN0625MBL01

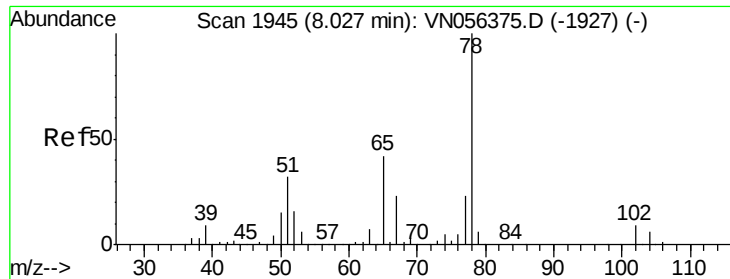
Tot Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
74 17.9 19.2 28.8#



#31
Cyclohexane
Concen: 0.941 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

Tgt Ion: 56 Resp: 5824
Ion Ratio Lower Upper
56 100
69 185.5 25.8 38.6#
84 125.6 69.4 104.0#

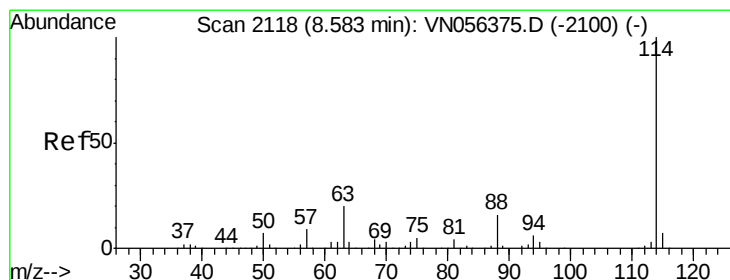
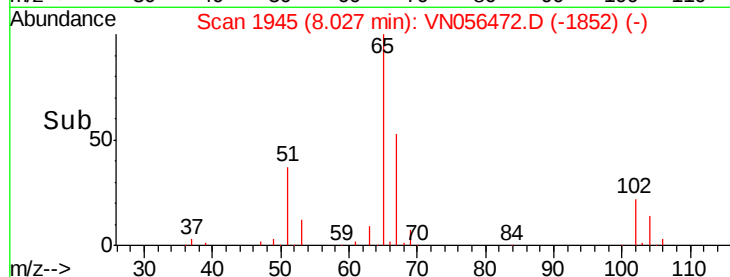
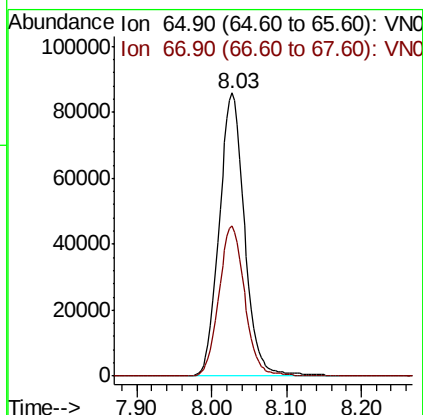
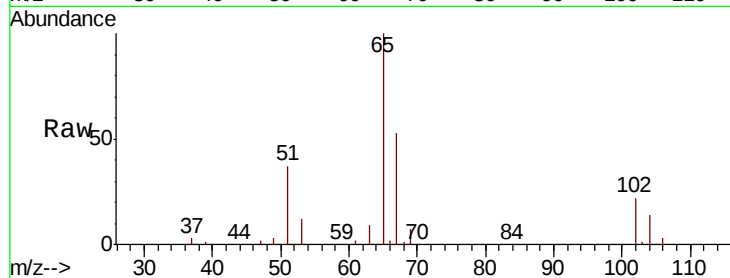




#33
 1,2-Dichloroethane-d4
 Concen: 50.259 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056472.D
 Acq: 25 Jun 2019 9:38

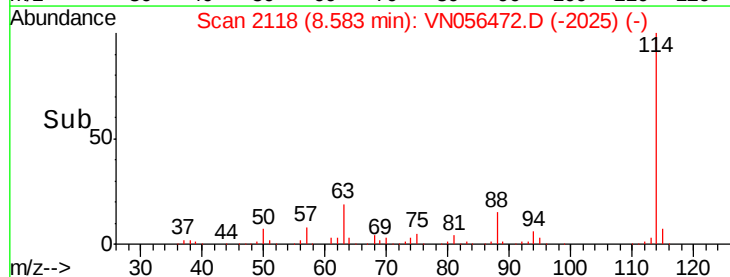
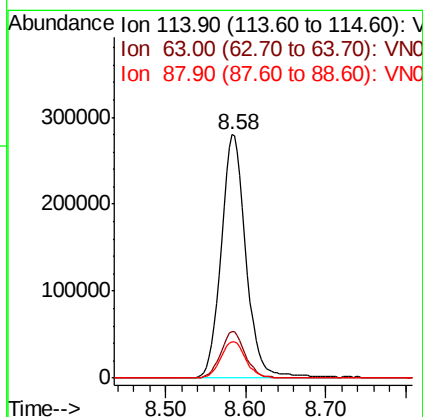
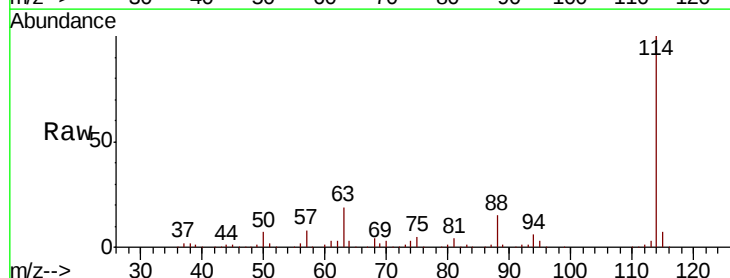
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

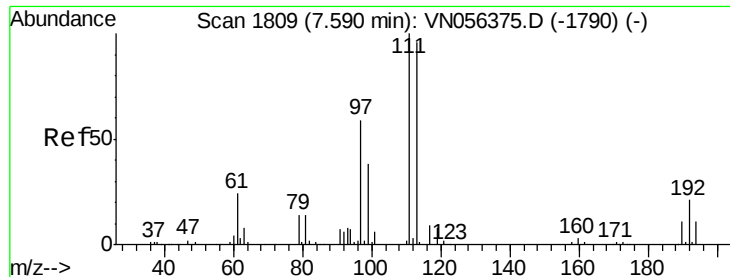
Tot Ion: 65 Resp: 201498
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056472.D
 Acq: 25 Jun 2019 9:38

Tgt Ion: 114 Resp: 598677
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.1 0.0 31.4

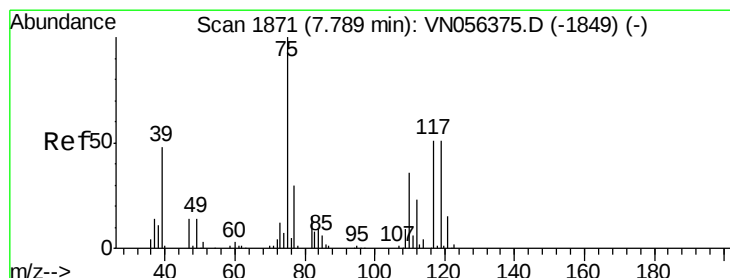
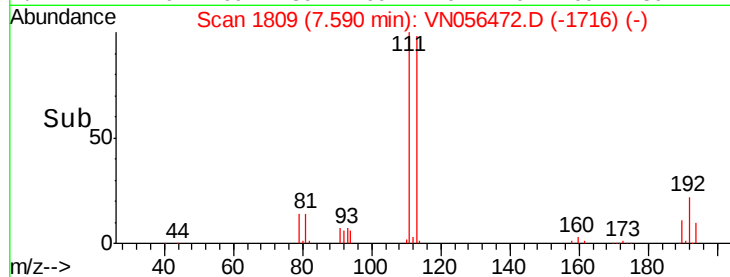
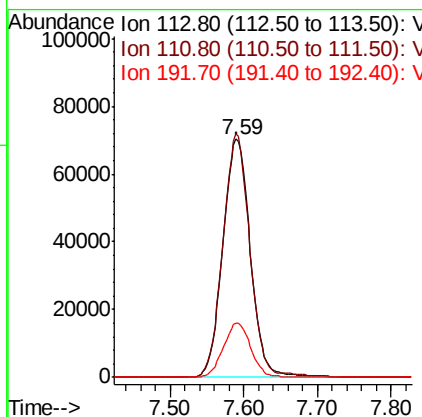
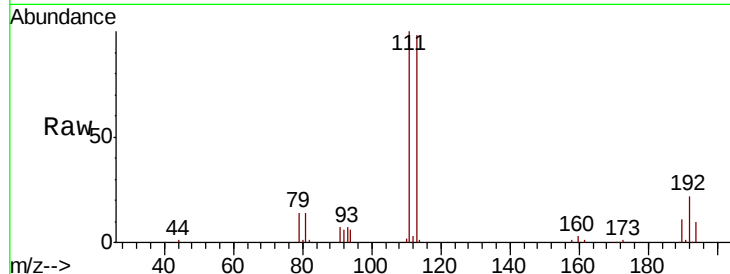




#35
 Dibromofluoromethane
 Concen: 48.832 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056472.D
 Acq: 25 Jun 2019 9:38

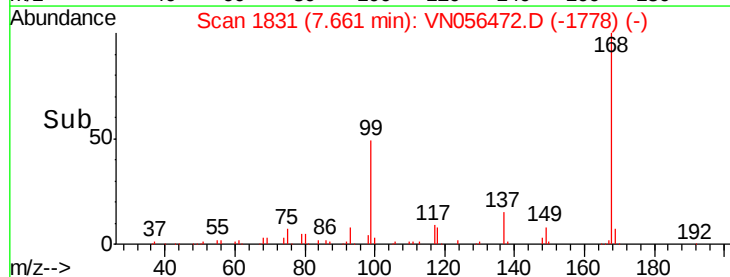
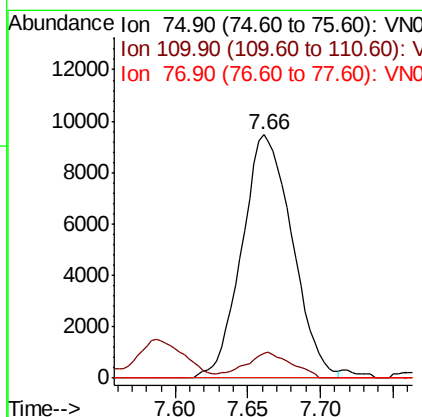
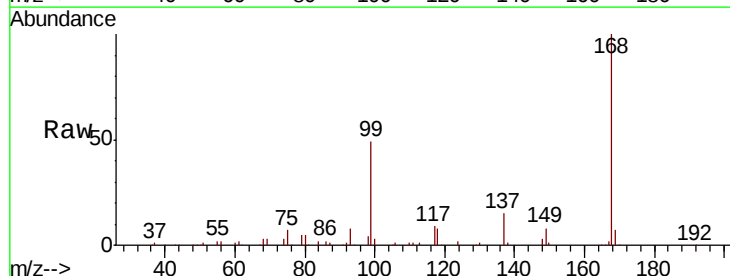
Instrument :
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 ClientSampleId :
 VN0625MBL01

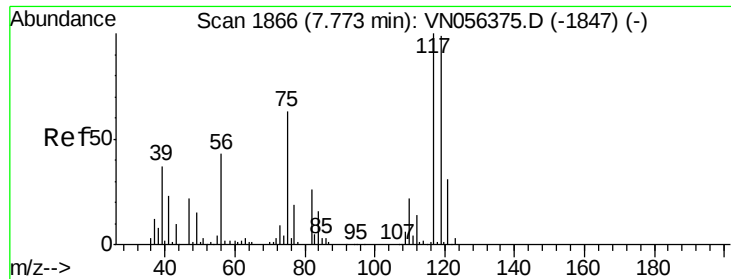
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.9	124.3
192	22.6	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.343 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056472.D
 Acq: 25 Jun 2019 9:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.3#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.607 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

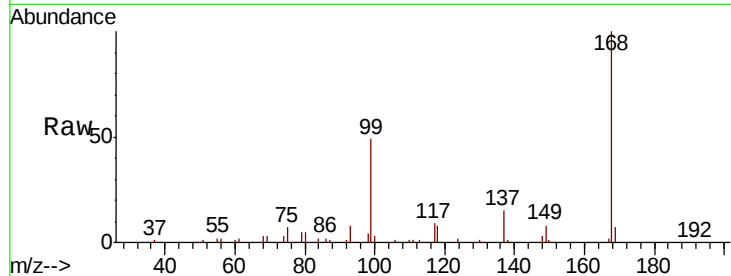
Tot Ion:117 Resp: 30447

Ion Ratio Lower Upper

117 100

119 4.1 79.1 118.7#

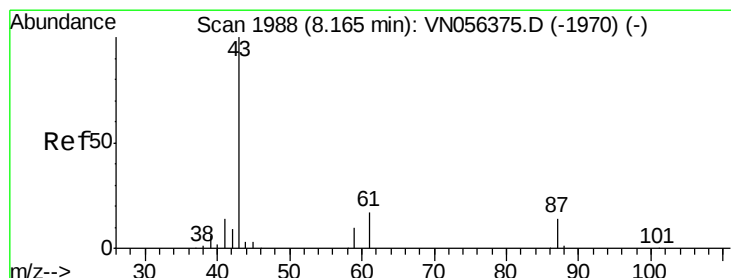
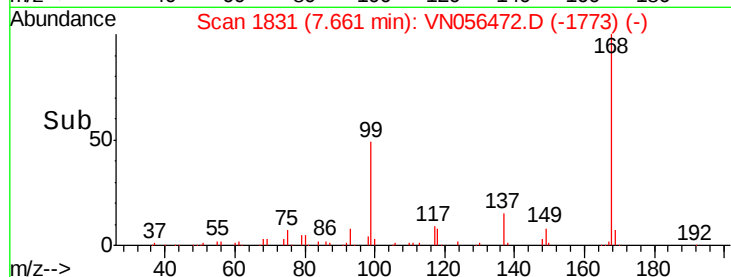
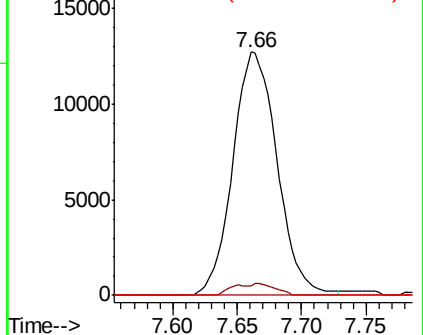
121 0.0 24.8 37.2#



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: 2.774 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

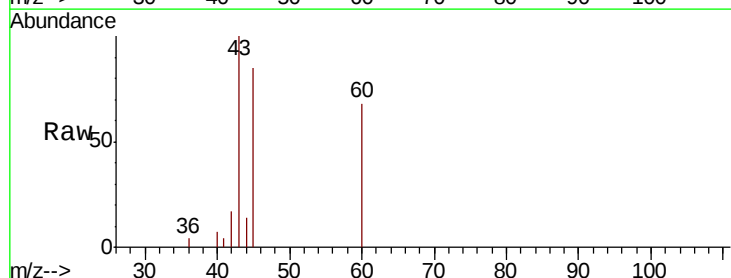
Tgt Ion: 43 Resp: 22152

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

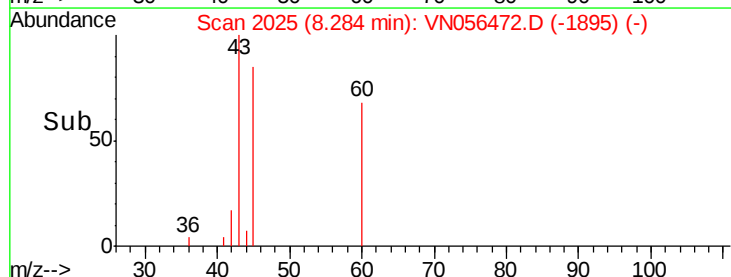
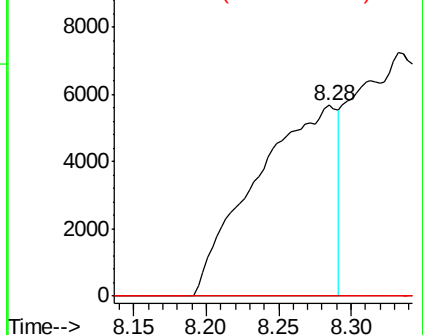
87 0.0 11.0 16.4#

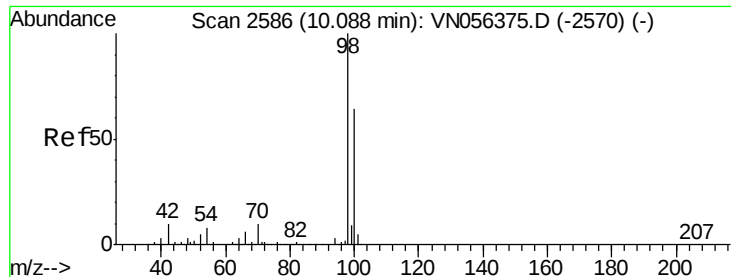


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.361 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

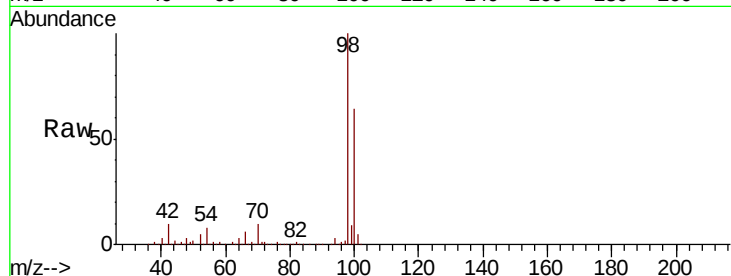
VN0625MBL01

Tot Ion: 98 Resp: 731855

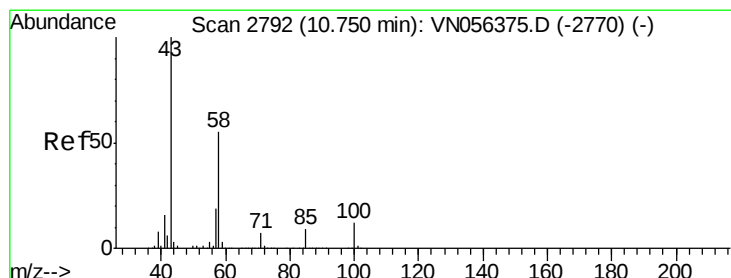
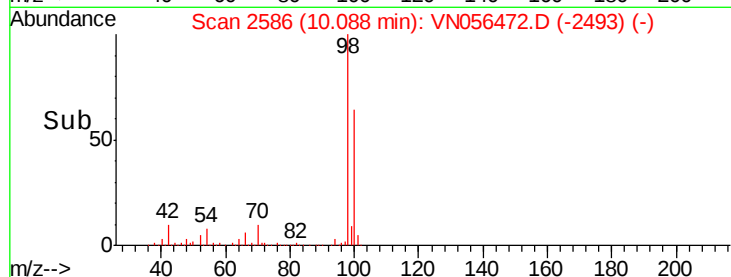
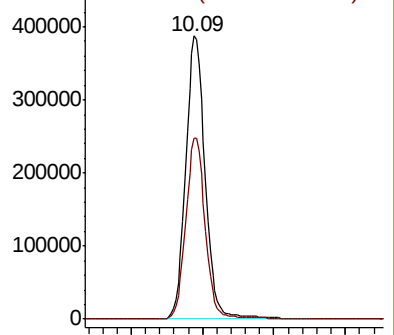
Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)



#59

2-Hexanone

Concen: 0.440 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN056472.D

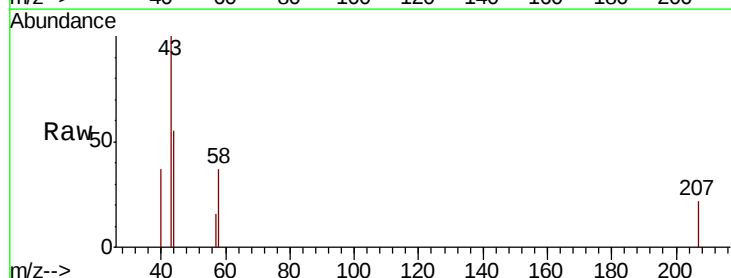
Acq: 25 Jun 2019 9:38

Tgt Ion: 43 Resp: 1666

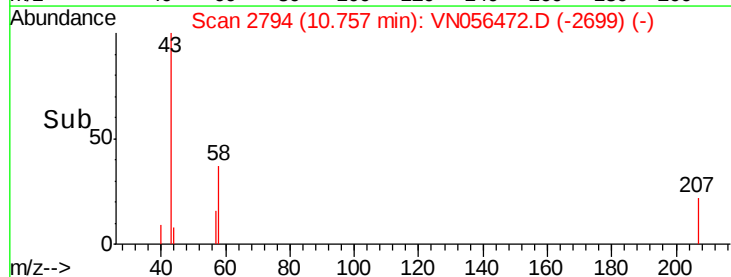
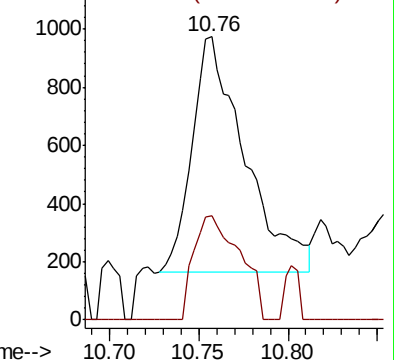
Ion Ratio Lower Upper

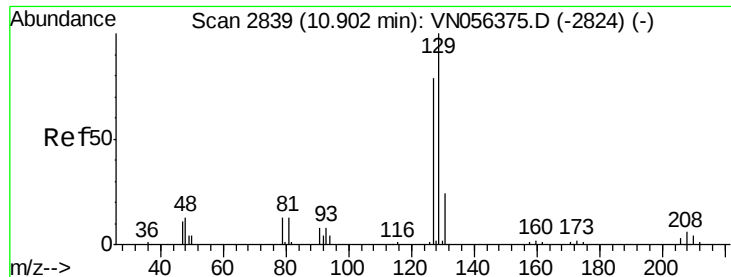
43 100

58 38.8 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2770) (-)

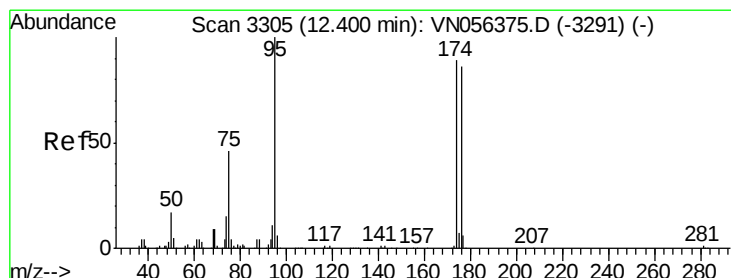
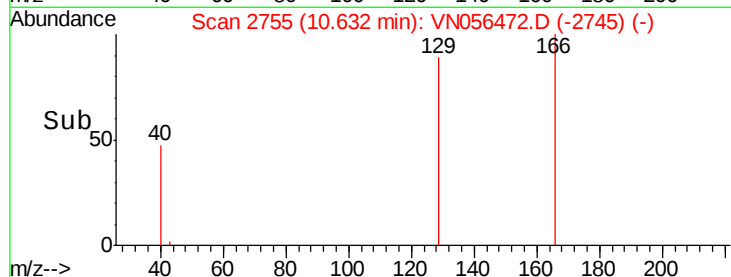
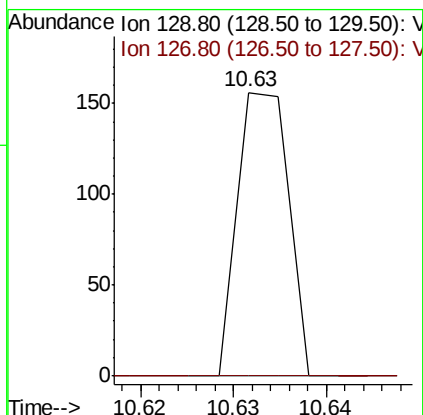
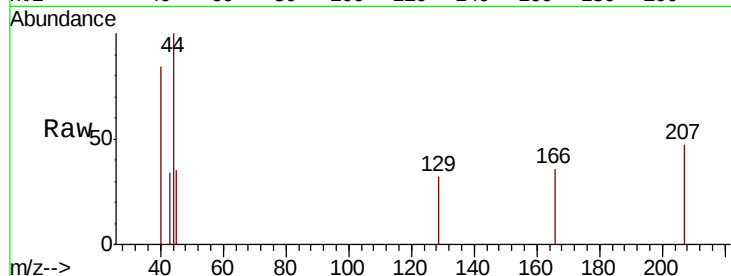




#60
Dibromochloromethane
Concen: 2.396 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

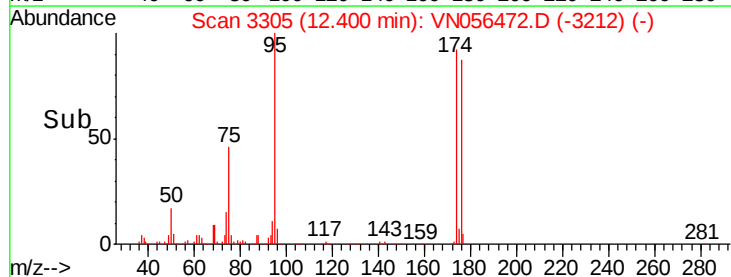
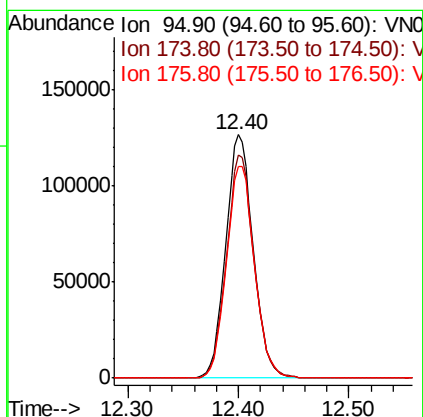
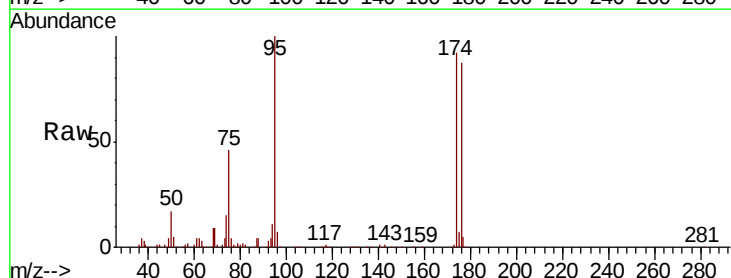
Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

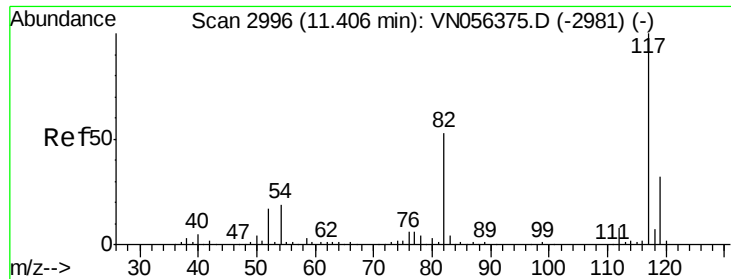
Tot Ion:129 Resp: 60
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 44.992 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

Tgt Ion: 95 Resp: 217961
Ion Ratio Lower Upper
95 100
174 91.6 0.0 179.4
176 89.2 0.0 173.4

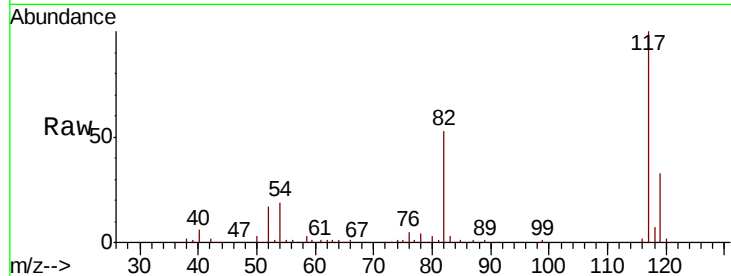




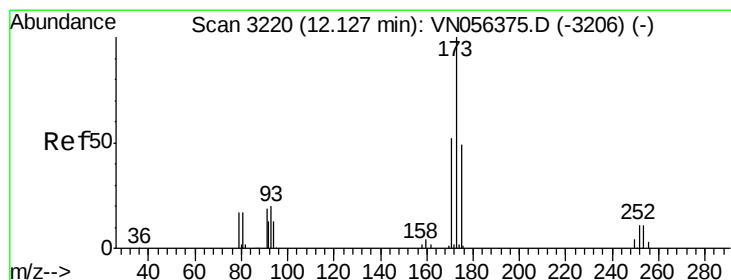
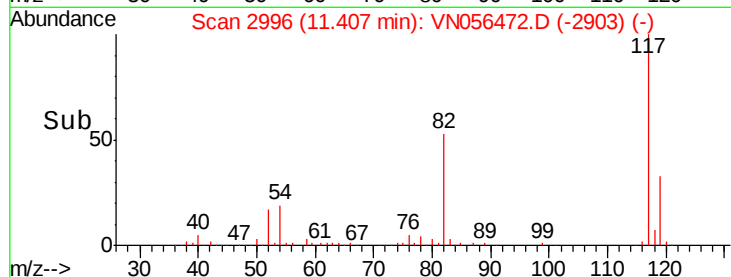
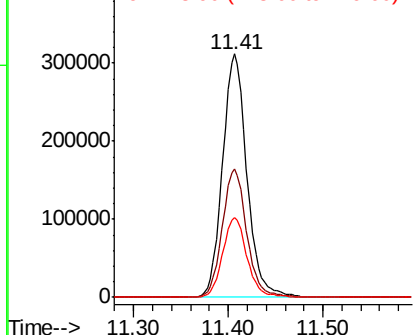
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

Tot Ion:117 Resp: 558010
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.8 25.3 37.9

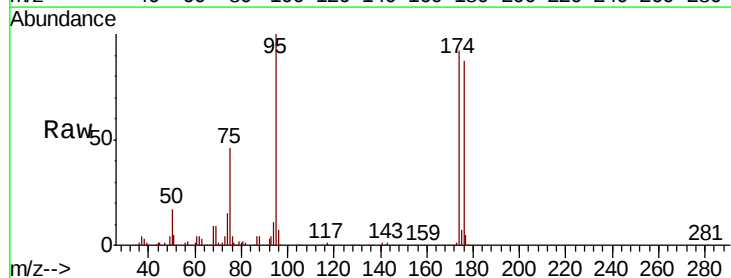


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

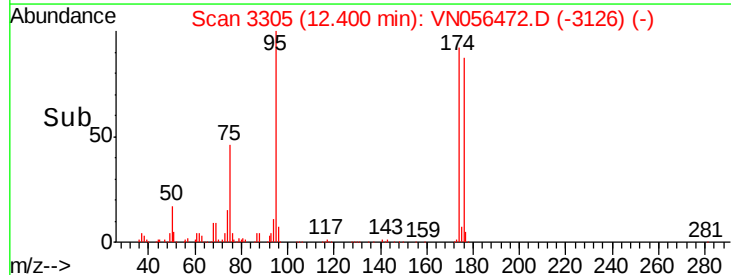
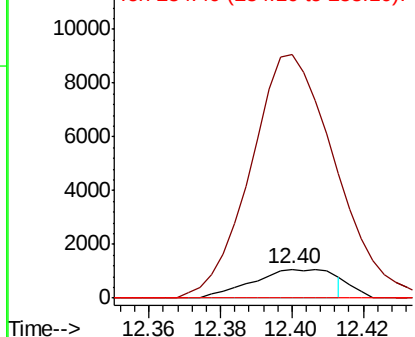


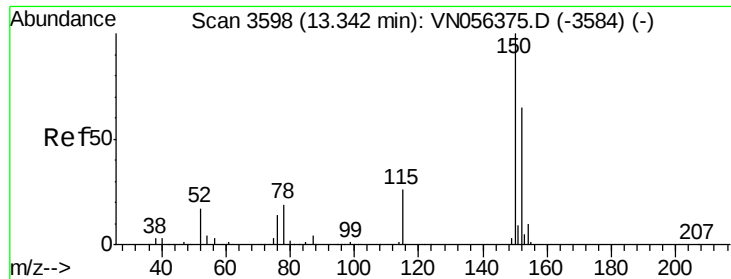
#71
Bromoform
Concen: 3.664 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

Tgt Ion:173 Resp: 1700
Ion Ratio Lower Upper
173 100
175 774.2 24.4 73.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



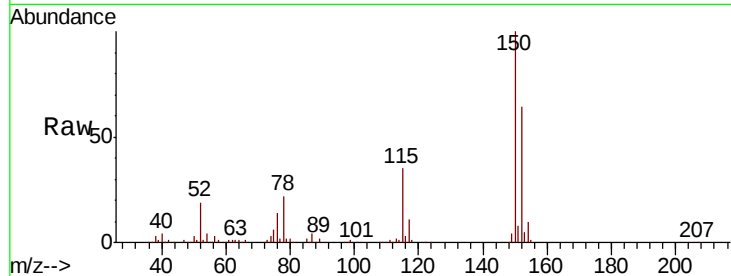


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.1	84.4
150	157.7	0.0	348.4

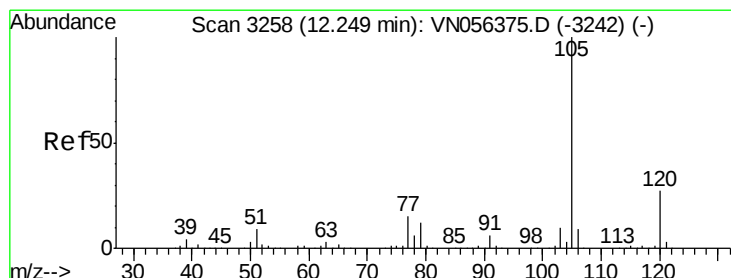
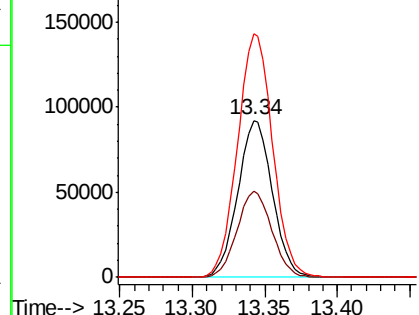
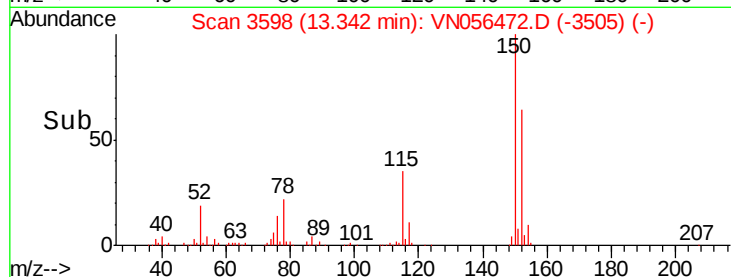


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

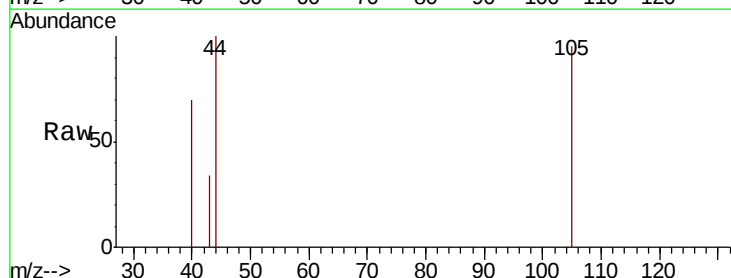
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN056472.D
Acq: 25 Jun 2019 9:38

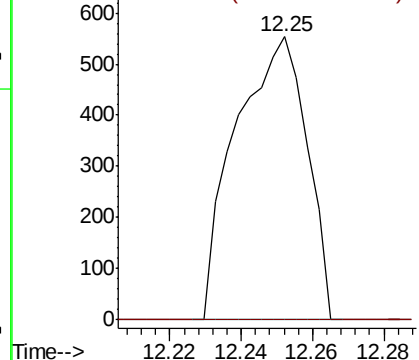
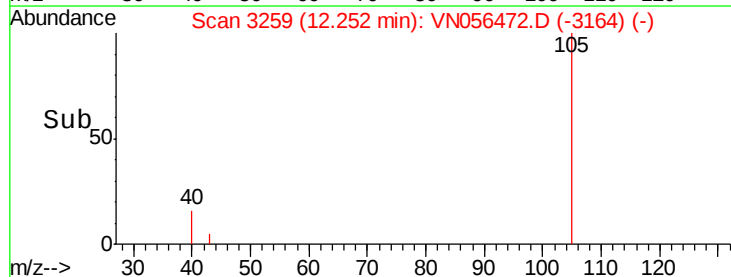
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.4	40.2#

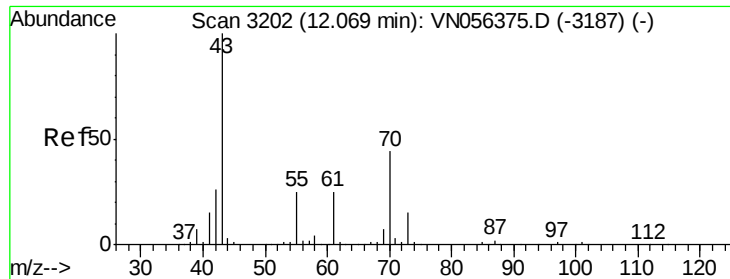


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.303 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

Tot Ion: 43 Resp: 1468

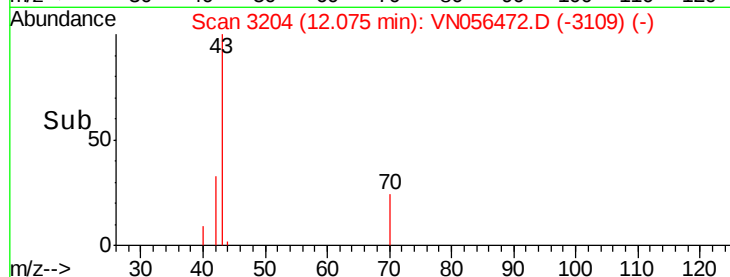
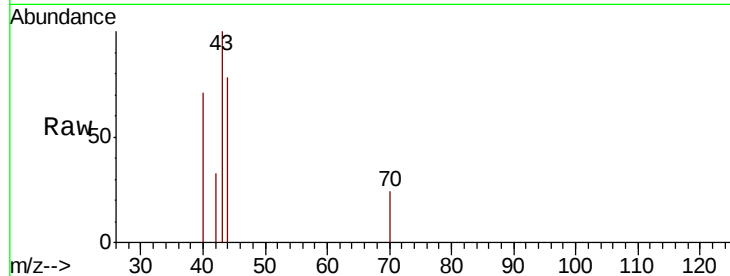
Ion Ratio Lower Upper

43 100

70 6.3 34.9 52.3#

55 2.0 20.4 30.6#

61 0.0 19.8 29.8#

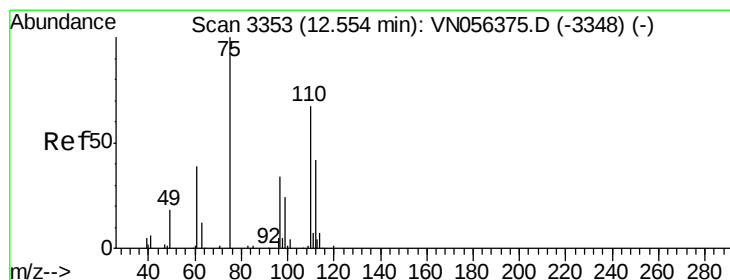
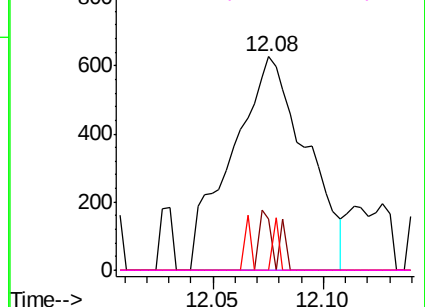


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 32.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056472.D

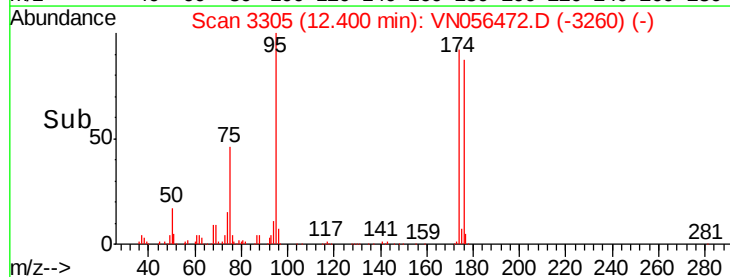
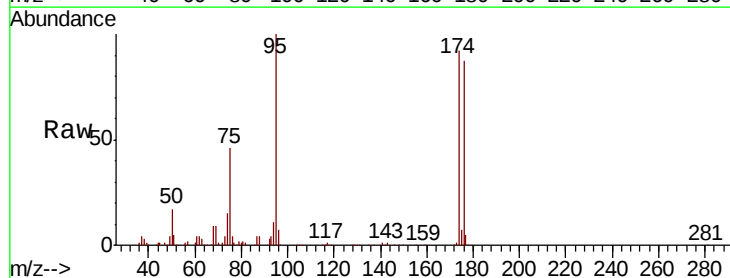
Acq: 25 Jun 2019 9:38

Tgt Ion: 75 Resp: 102264

Ion Ratio Lower Upper

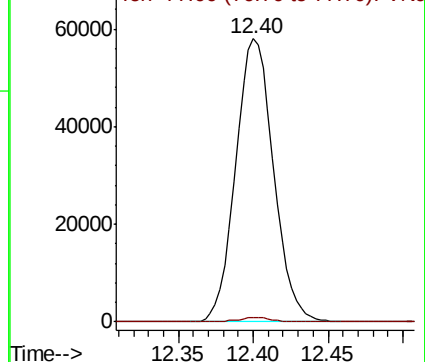
75 100

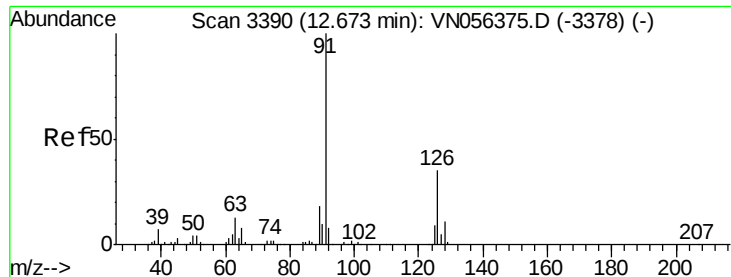
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.10 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

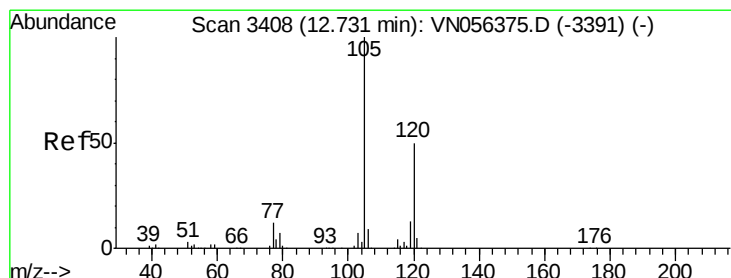
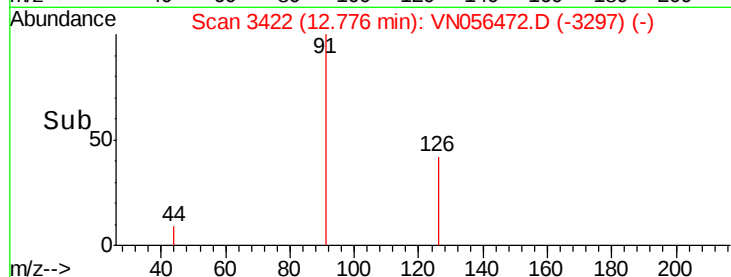
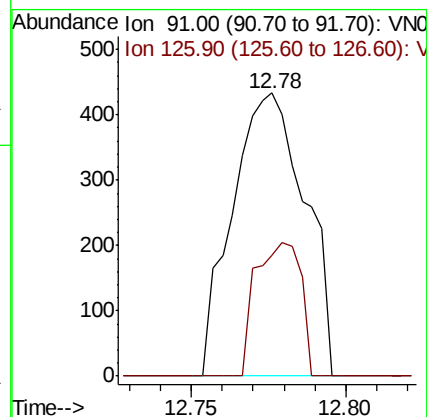
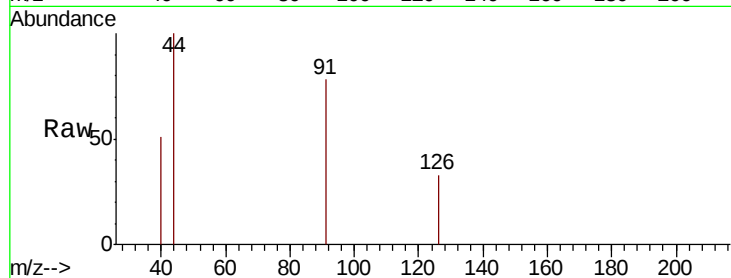
VN0625MBL01

Tot Ion: 91 Resp: 707

Ion Ratio Lower Upper

91 100

126 29.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056472.D

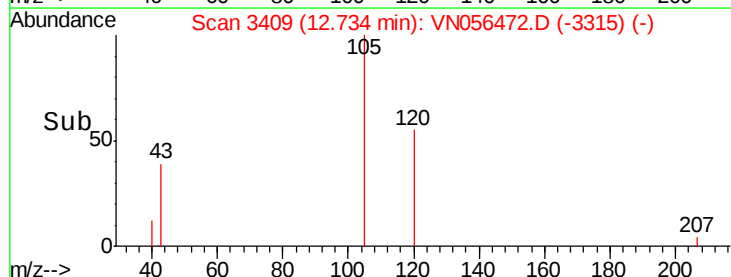
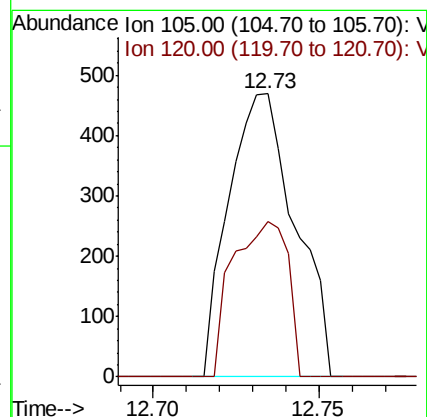
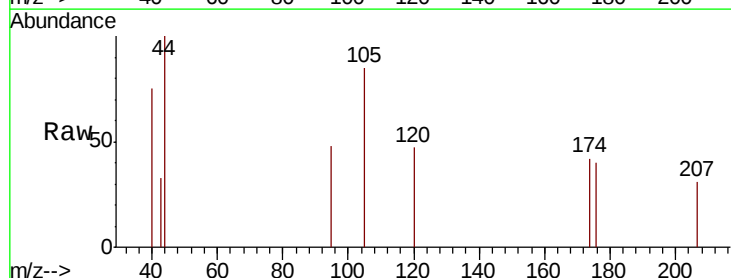
Acq: 25 Jun 2019 9:38

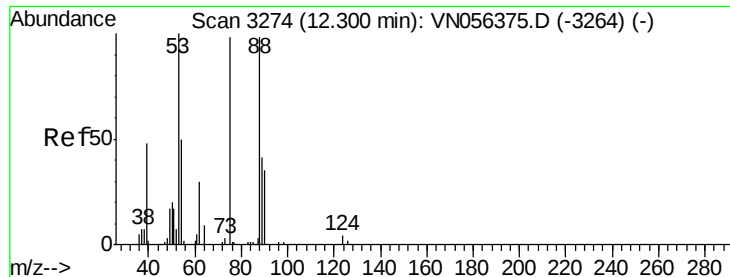
Tgt Ion: 105 Resp: 655

Ion Ratio Lower Upper

105 100

120 45.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 115.017 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

VN0625MBL01

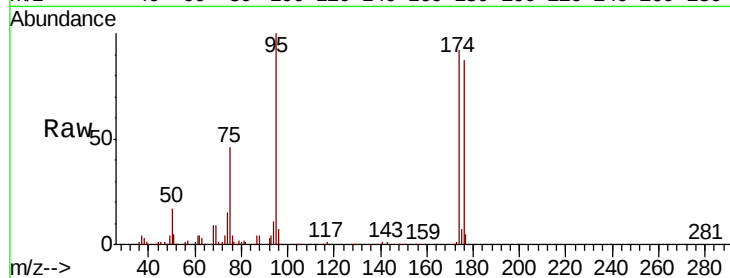
Tot Ion: 75 Resp: 102264

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

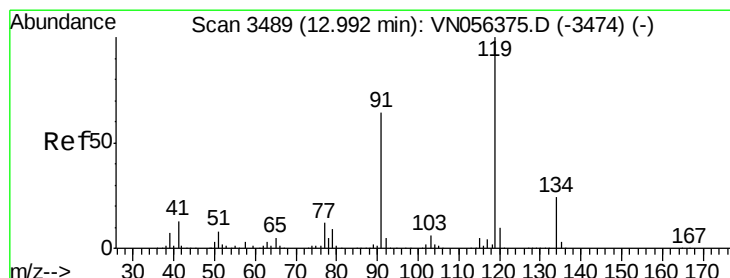
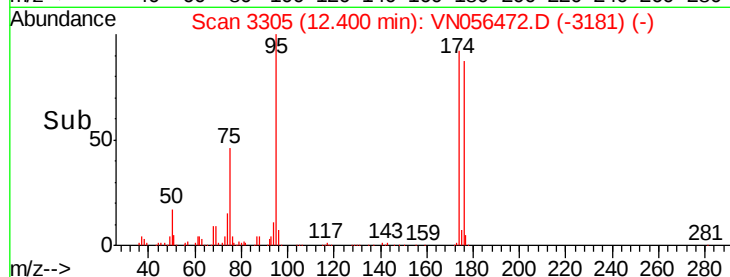
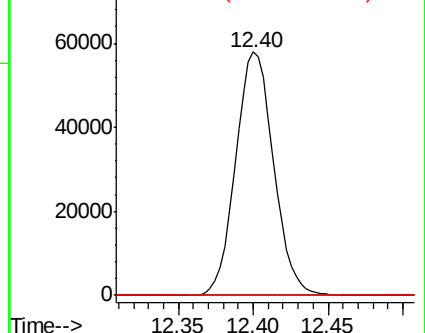
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

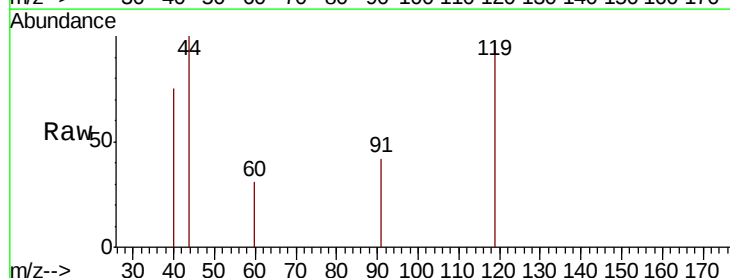
Tgt Ion: 119 Resp: 727

Ion Ratio Lower Upper

119 100

91 57.4 31.6 94.7

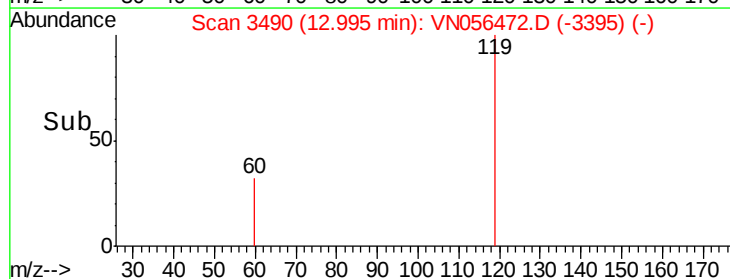
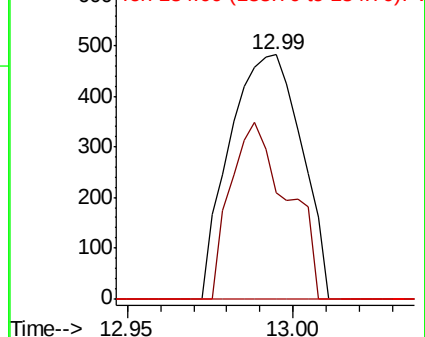
134 0.0 13.2 39.5#

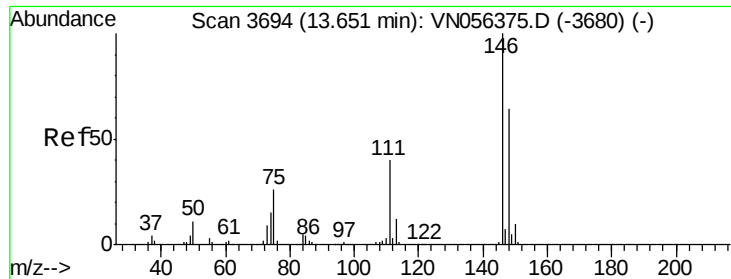


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.212 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

VN0625MBL01

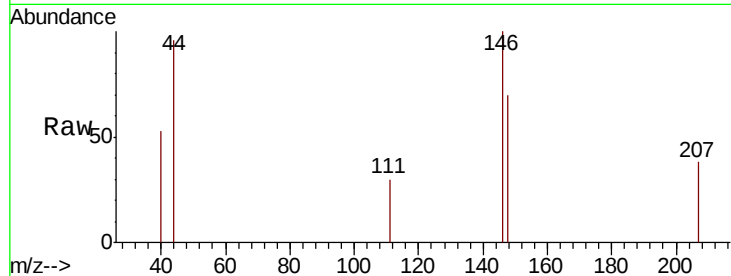
Tot Ion:146 Resp: 1087

Ion Ratio Lower Upper

146 100

111 24.1 19.3 57.9

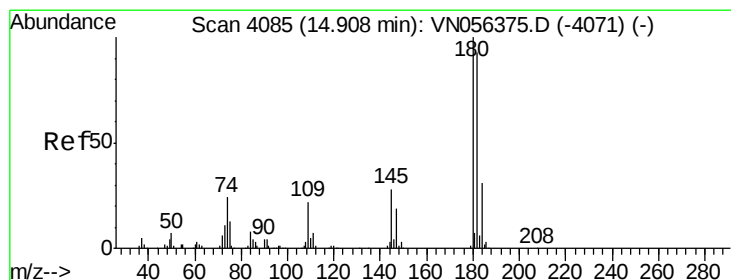
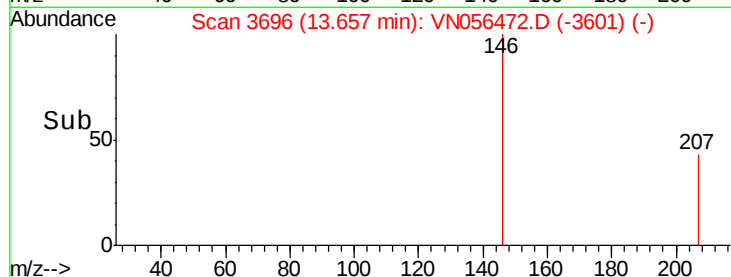
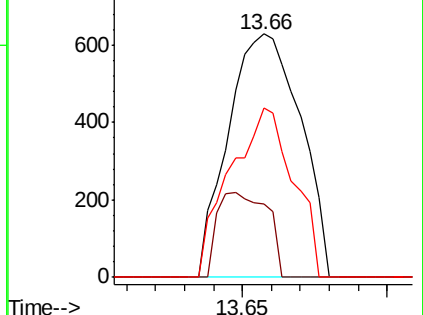
148 61.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 6.075 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

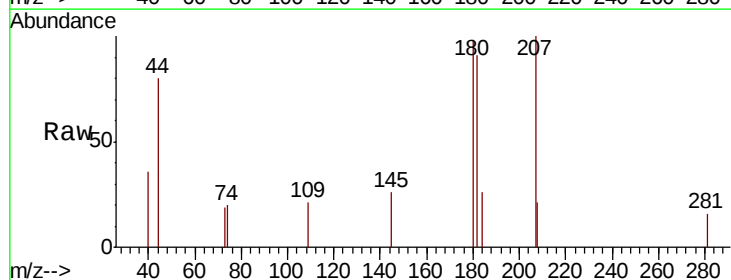
Tgt Ion:180 Resp: 1385

Ion Ratio Lower Upper

180 100

182 107.8 46.9 140.6

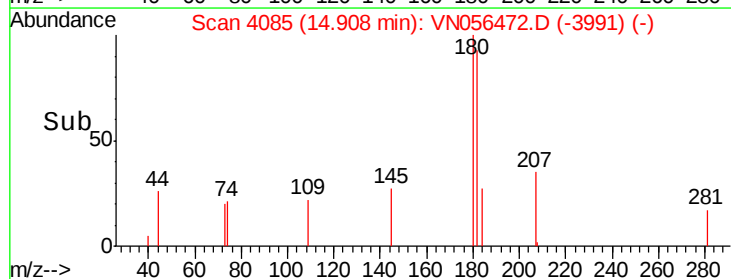
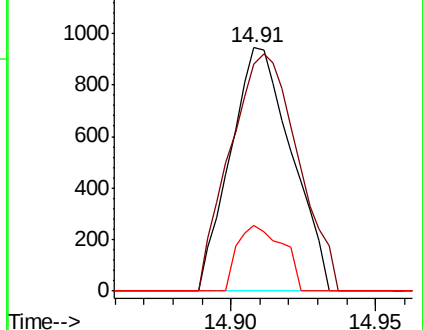
145 20.1 14.4 43.0

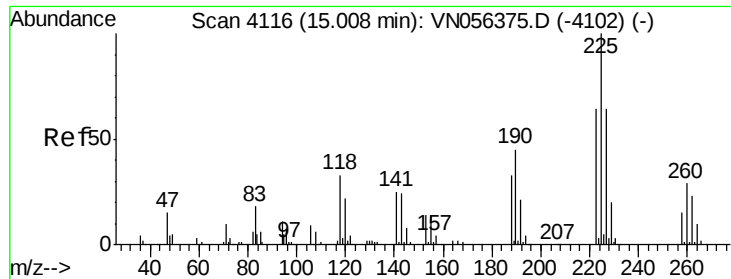


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

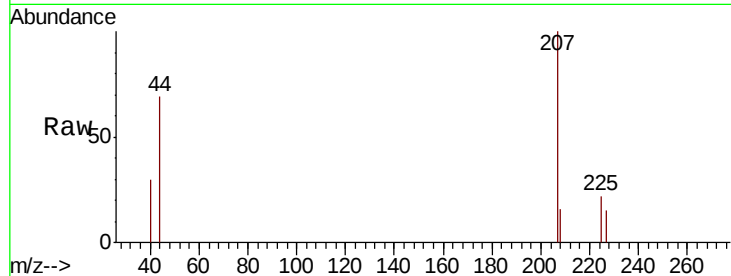
Tot Ion:225 Resp: 192

Ion Ratio Lower Upper

225 100

223 34.4 31.4 94.3

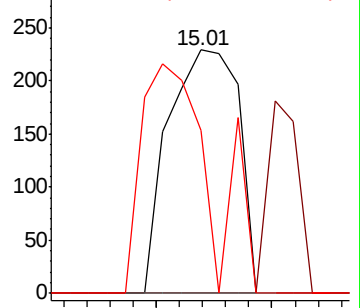
227 92.7 32.1 96.3



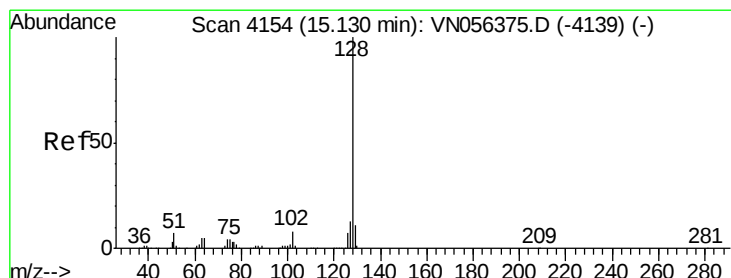
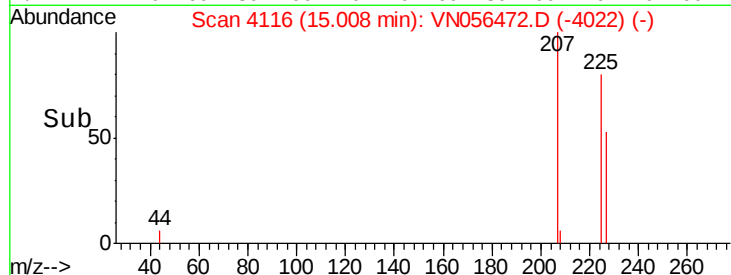
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 5.750 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056472.D

Acq: 25 Jun 2019 9:38

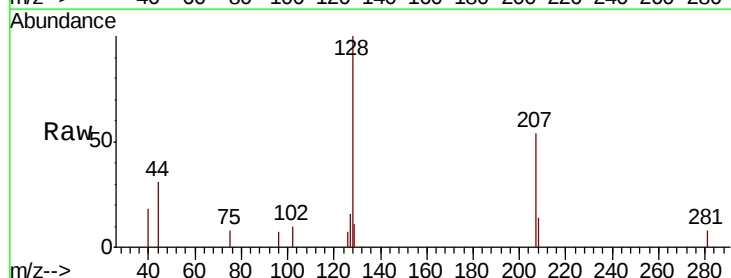
Tgt Ion:128 Resp: 3937

Ion Ratio Lower Upper

128 100

127 8.3 10.2 15.2#

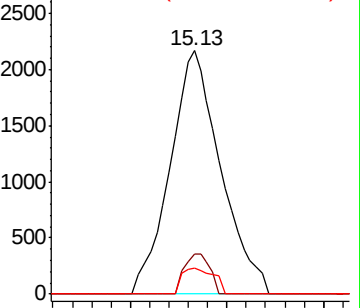
129 6.7 8.6 12.8#



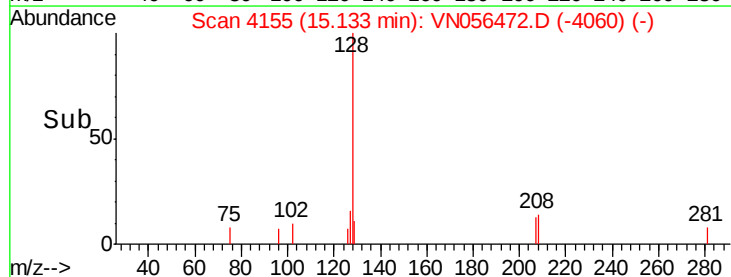
Abundance Ion 128.00 (127.70 to 128.70): V

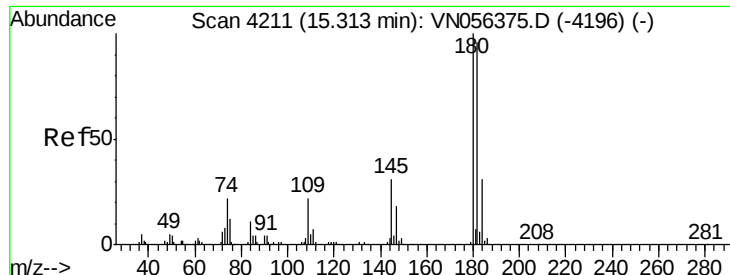
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

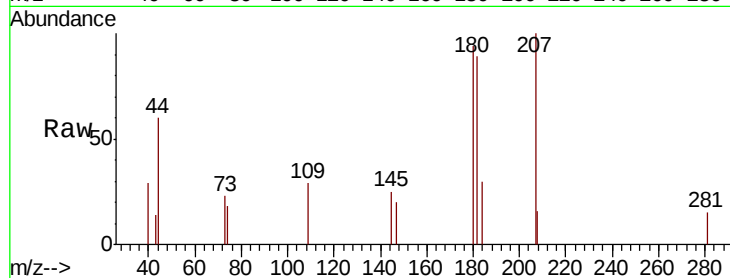




#96
 1,2,3-Trichlorobenzene
 Concen: 5.240 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN056472.D
 Acq: 25 Jun 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.8
145	24.0	15.4	46.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

