

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057371.D
 Acq On : 16 Aug 2019 22:25
 Operator : JC/SP
 Sample : K4356-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Aug 17 03:47:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1116403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1565961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1299072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343623	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	510419	42.06	ug/l	0.00
Spiked Amount			Recovery	=	84.12%	
35) Dibromofluoromethane	7.58	113	464395	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
50) Toluene-d8	10.09	98	1820148	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	481084	36.26	ug/l	0.00
Spiked Amount			Recovery	=	72.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	1702	0.270	ug/l	97
11) Tert butyl alcohol	4.73	59	631	0.366	ug/l #	73
16) Acetone	3.81	43	96368	22.890	ug/l	99
17) Carbon Disulfide	4.05	76	5473	0.207	ug/l #	90
18) Methyl Acetate	4.32	43	22731	Below Cal	#	78
20) Methylene Chloride	4.54	84	20671	1.755	ug/l	93
25) 2-Butanone	6.82	43	43222	7.089	ug/l	96
31) Cyclohexane	7.66	56	16078	0.972	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65312	4.724	ug/l #	48
37) Ethyl Acetate	6.82	43	43222	3.817	ug/l #	67
38) Carbon Tetrachloride	7.66	117	93611	6.516	ug/l #	16
43) Isopropyl Acetate	8.16	43	165479	7.021	ug/l #	87
45) 1,2-Dichloropropane	9.26	63	2872	0.263	ug/l #	44
48) Methyl methacrylate	9.17	41	8786	0.942	ug/l #	11
49) 1,4-Dioxane	9.25	88	105	0.535	ug/l #	26
51) 4-Methyl-2-Pentanone	9.98	43	7755	0.664	ug/l	88
54) cis-1,3-Dichloropropene	9.90	75	67435	3.924	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	10525	0.609	ug/l #	43
59) 2-Hexanone	10.76	43	126237	15.030	ug/l #	50
71) Bromoform	12.40	173	3740	0.467	ug/l #	1
73) Isopropylbenzene	12.23	105	123	Below Cal	#	49
74) N-amyl acetate	12.03	43	3827	0.384	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.39	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	225738	32.719	ug/l #	100
79) 2-Chlorotoluene	12.69	91	467	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	2072	Below Cal		95
81) trans-1,4-Dichloro-2-buten	12.40	75	225738	80.105	ug/l #	15
83) tert-Butylbenzene	12.99	119	242	Below Cal	#	28
85) sec-Butylbenzene	13.17	105	680	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.92	180	509	5.457	ug/l #	22
94) Hexachlorobutadiene	15.01	225	252	Below Cal	#	20
95) Naphthalene	15.13	128	645	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	305	Below Cal	#	27

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QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

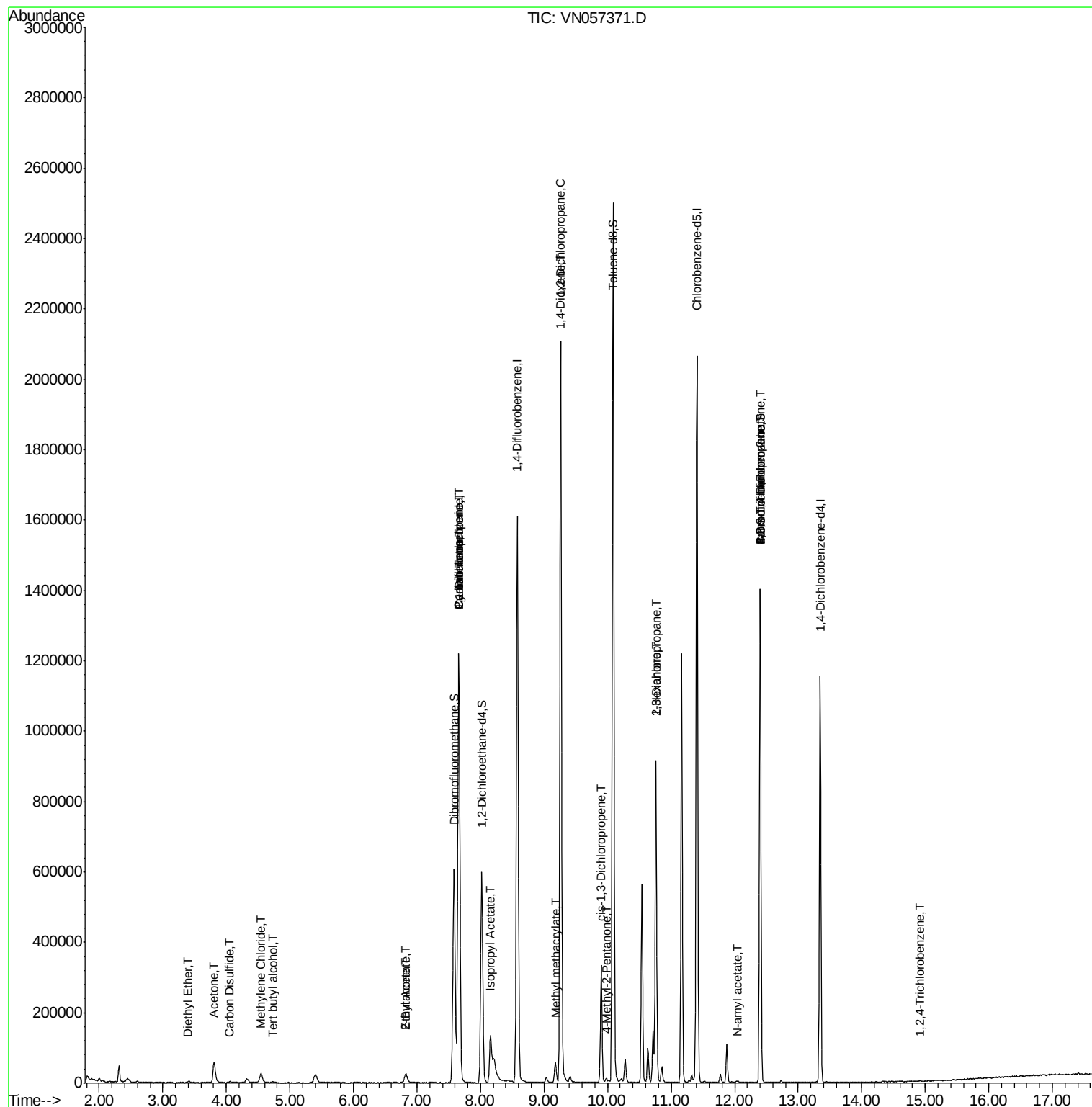
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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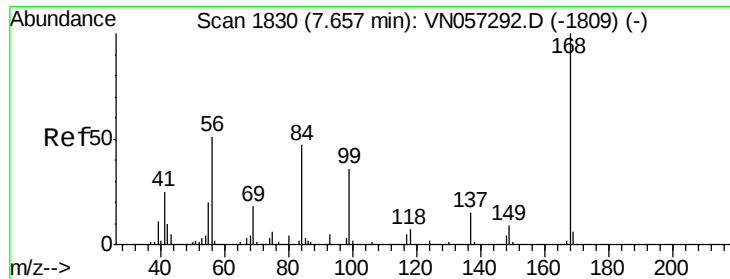
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
Data File : VN057371.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

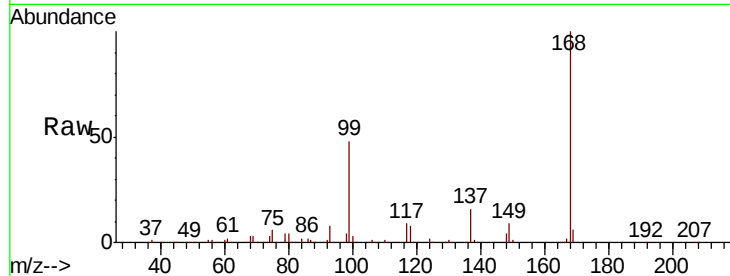
TP-2

Tgt Ion:168 Resp: 1116403

Ion Ratio Lower Upper

168 100

99 48.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

500000

400000

300000

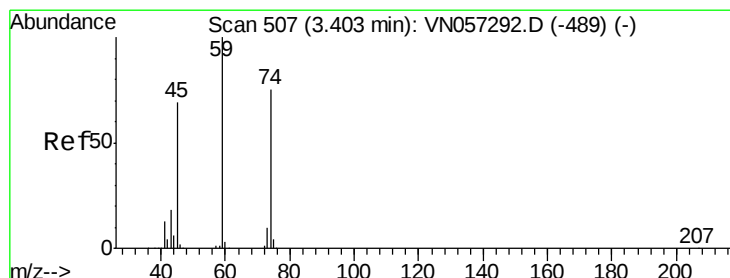
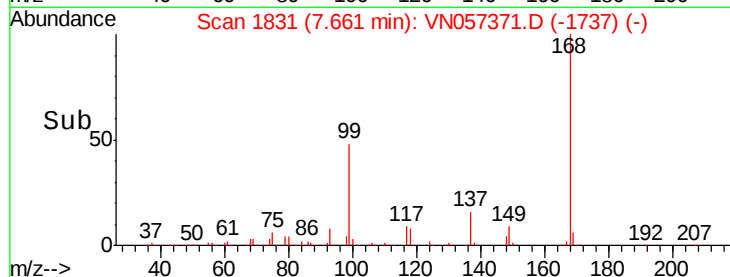
200000

100000

0

7.60 7.70 7.80

Time-->



#8

Diethyl Ether

Concen: 0.270 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN057371.D

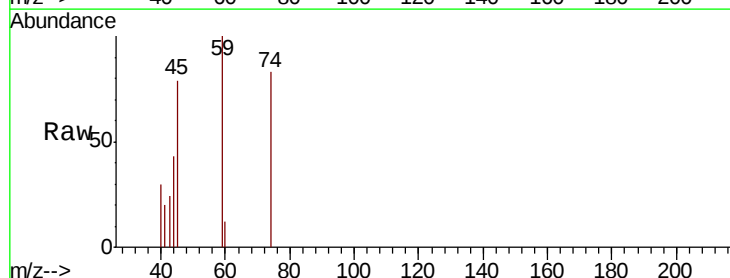
Acq: 16 Aug 2019 22:25

Tgt Ion: 74 Resp: 1702

Ion Ratio Lower Upper

74 100

45 94.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VN057292.D (-489) (-)

Ion 45.00 (44.70 to 45.70): VN057292.D (-489) (-)

3.41

1200

1000

800

600

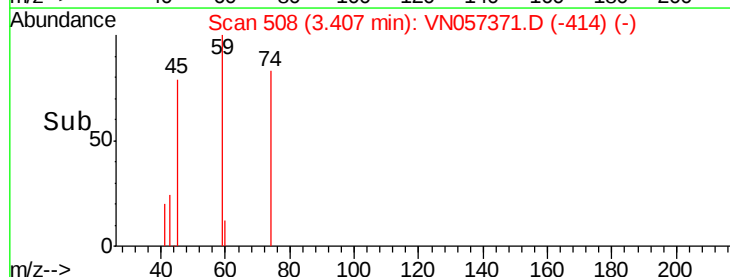
400

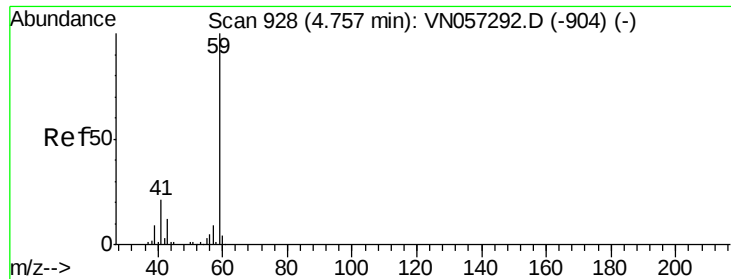
200

0

3.36 3.38 3.40 3.42

Time-->

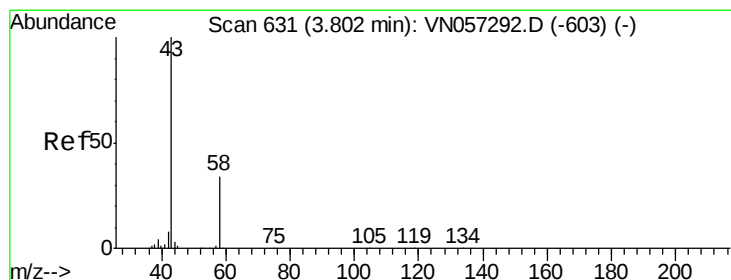
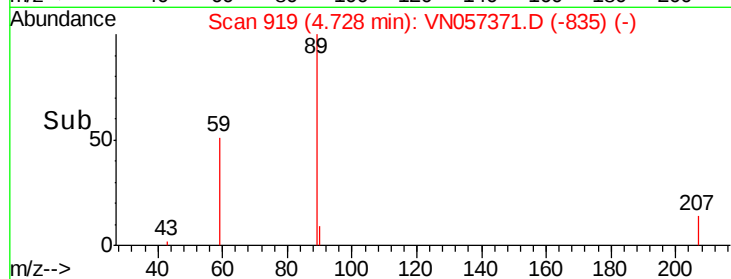
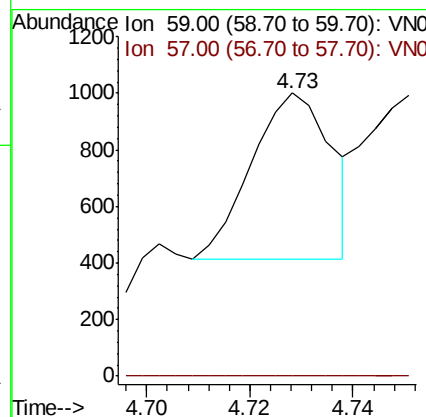
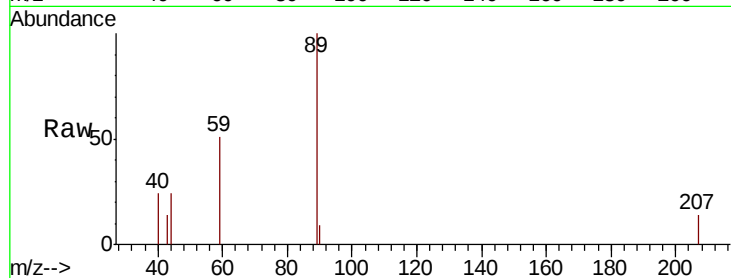




#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.03 min
Lab File: VN057371.D
Acq: 16 Aug 2019 22:25

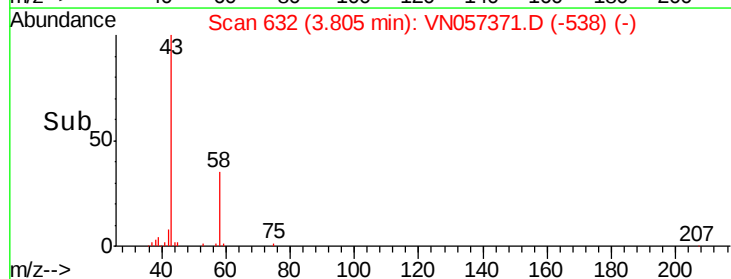
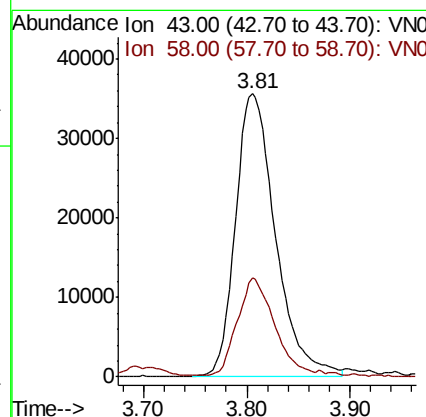
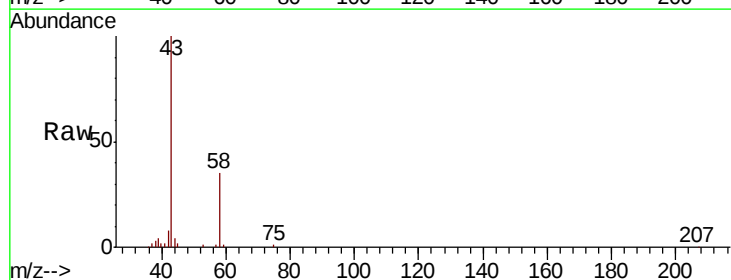
Instrument :
MSVOA_N
ClientSampled :
TP-2

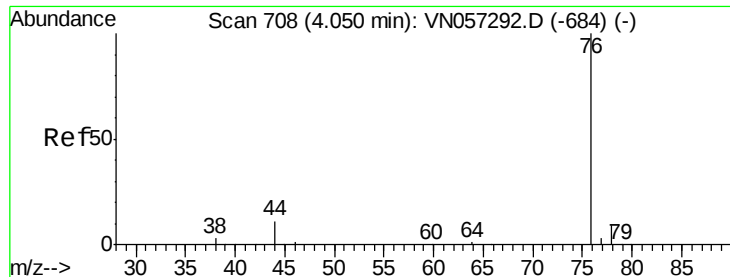
Tgt Ion: 59 Resp: 631
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 22.890 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN057371.D
Acq: 16 Aug 2019 22:25

Tgt Ion: 43 Resp: 96368
Ion Ratio Lower Upper
43 100
58 34.6 27.0 40.6

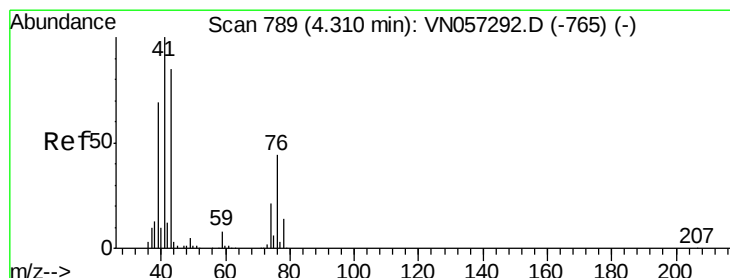
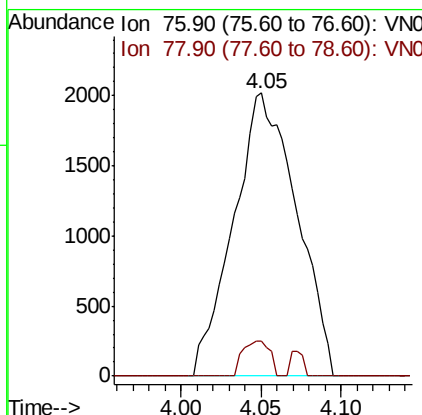
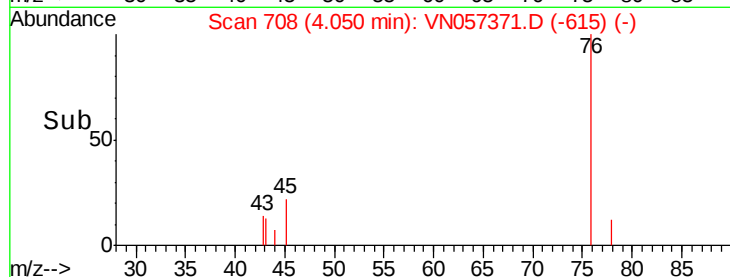
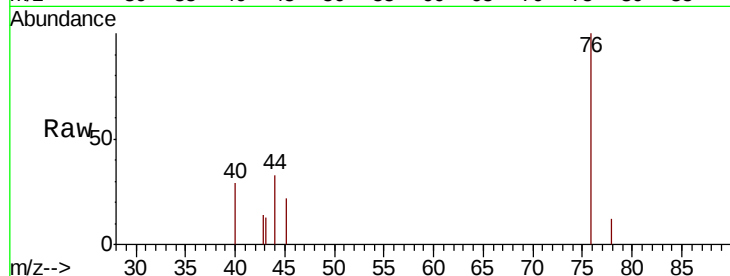




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057371.D
Acq: 16 Aug 2019 22:25

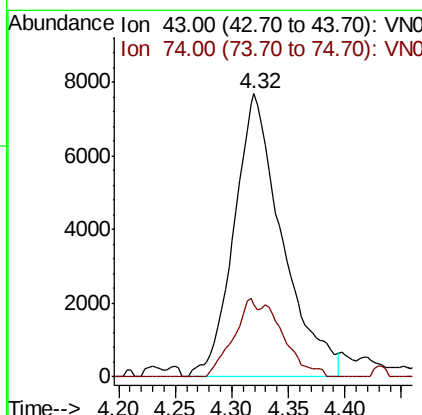
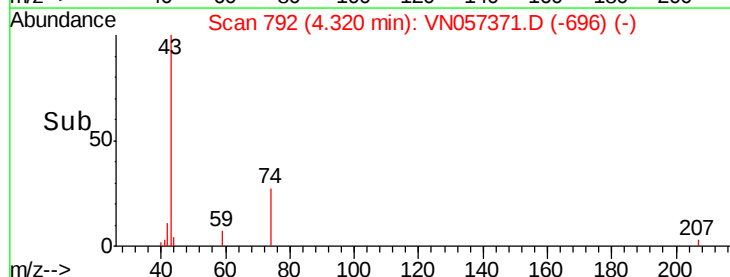
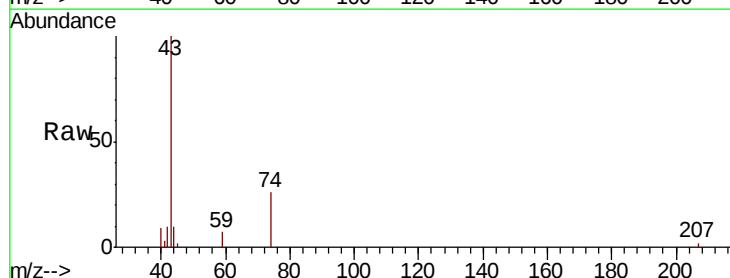
Instrument :
MSVOA_N
ClientSampled :
TP-2

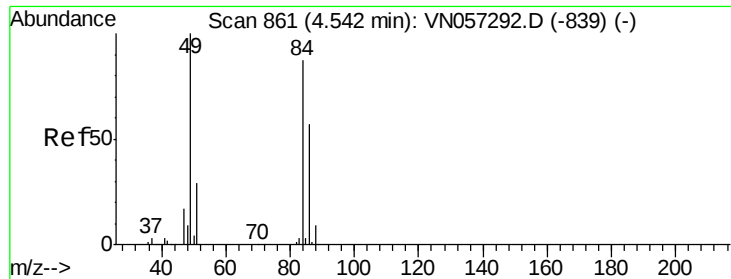
Tgt Ion: 76 Resp: 5473
Ion Ratio Lower Upper
76 100
78 12.2 7.0 10.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN057371.D
Acq: 16 Aug 2019 22:25

Tgt Ion: 43 Resp: 22731
Ion Ratio Lower Upper
43 100
74 13.9 20.2 30.2#

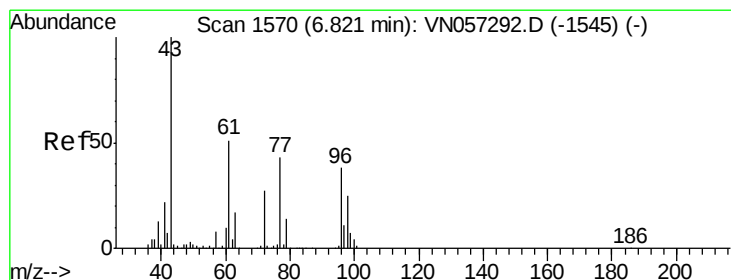
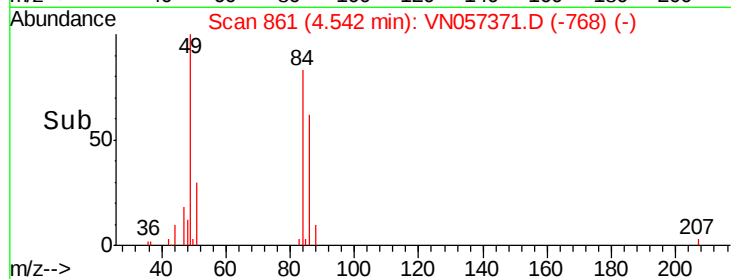
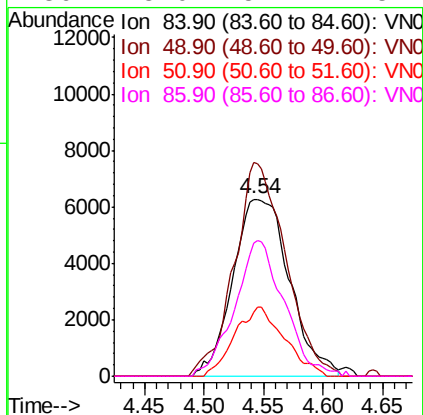
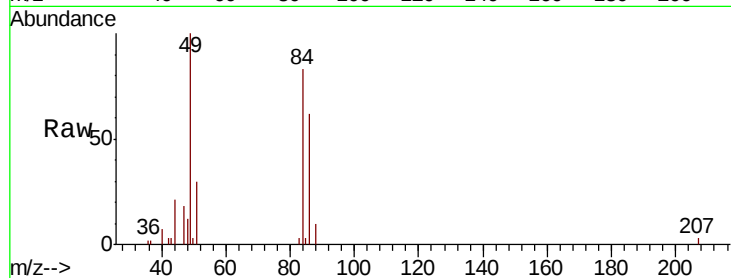




#20
Methylene Chloride
Concen: 1.755 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057371.D
Acq: 16 Aug 2019 22:25

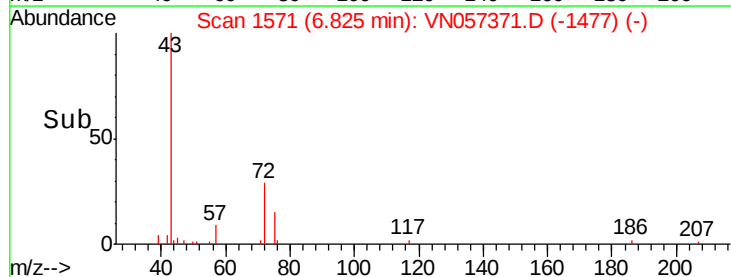
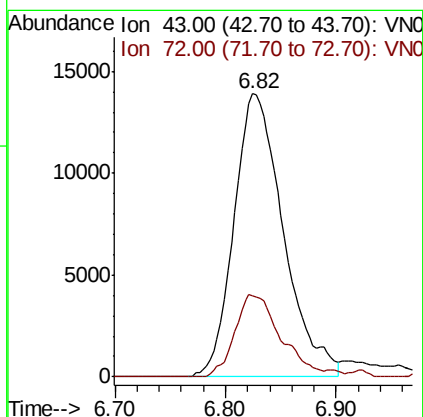
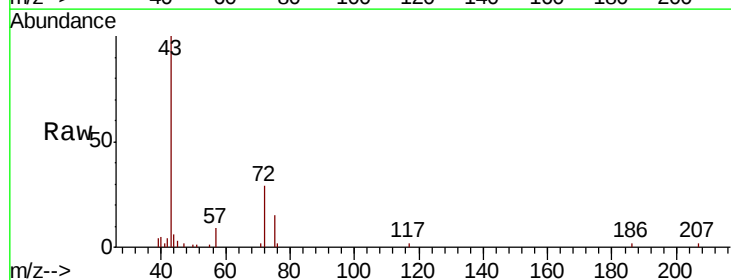
Instrument :
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ClientSampleId :
TP-2

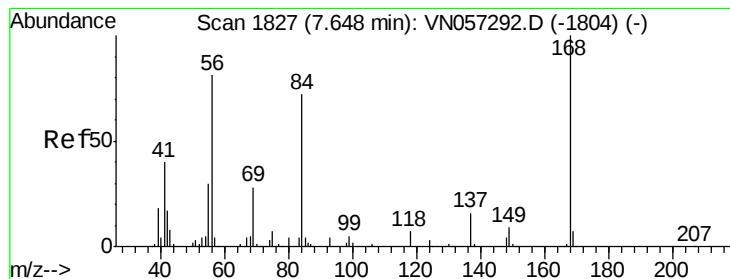
Tgt Ion:	84	Resp:	20671
Ion	Ratio	Lower	Upper
84	100		
49	120.7	92.0	138.0
51	35.9	27.1	40.7
86	75.0	52.2	78.2



#25
2-Butanone
Concen: 7.089 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN057371.D
Acq: 16 Aug 2019 22:25

Tgt Ion:	43	Resp:	43222
Ion	Ratio	Lower	Upper
43	100		
72	28.9	21.5	32.3





#31

Cyclohexane

Concen: 0.972 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampleId :

TP-2

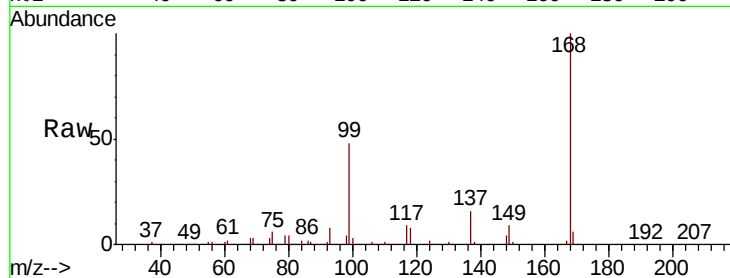
Tgt Ion: 56 Resp: 16078

Ion Ratio Lower Upper

56 100

69 194.4 27.3 40.9#

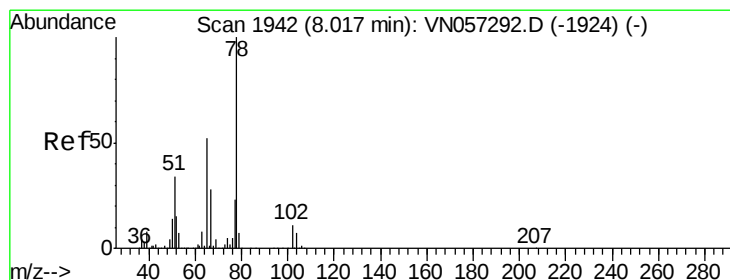
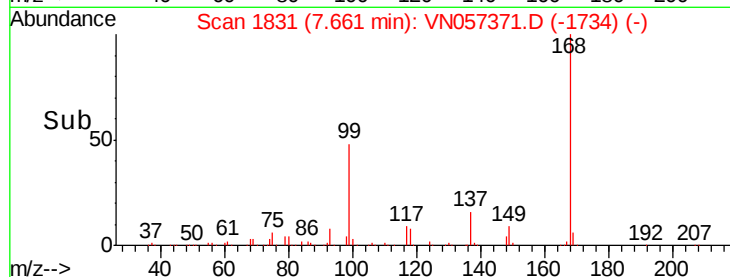
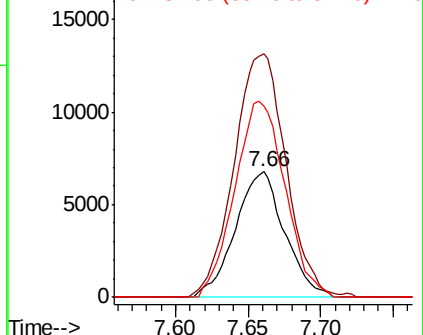
84 152.7 71.0 106.6#



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: 42.056 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057371.D

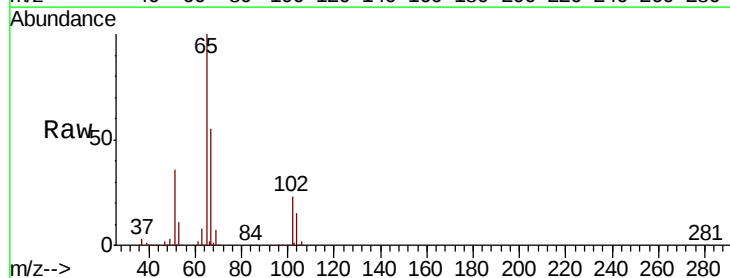
Acq: 16 Aug 2019 22:25

Tgt Ion: 65 Resp: 510419

Ion Ratio Lower Upper

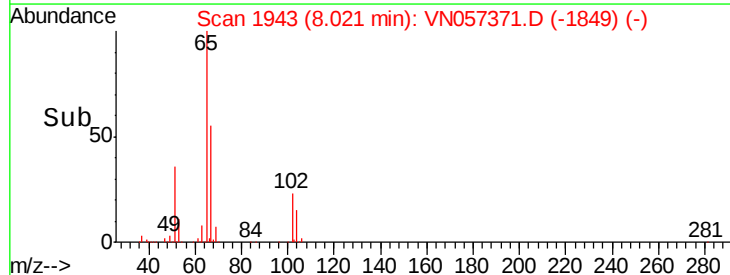
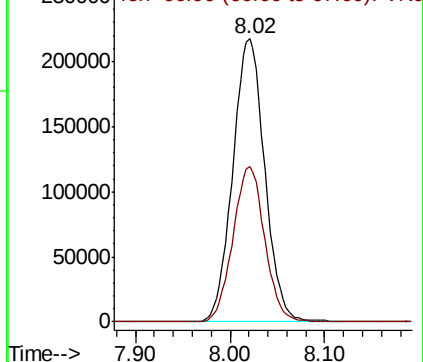
65 100

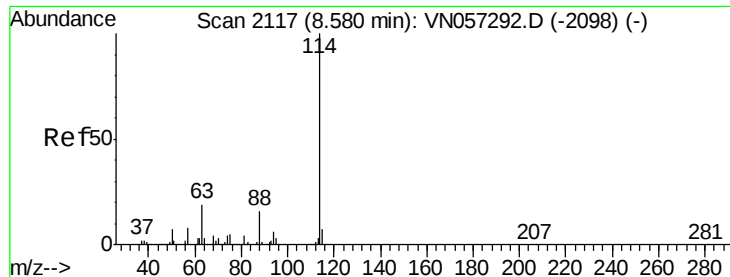
67 54.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

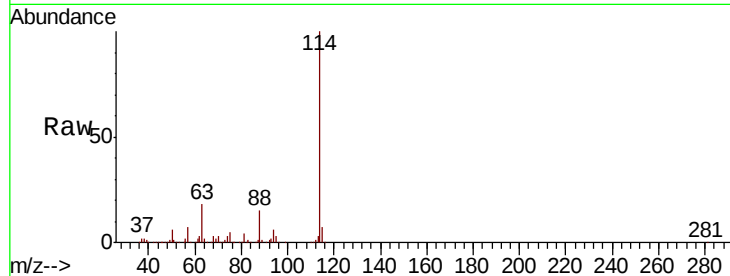




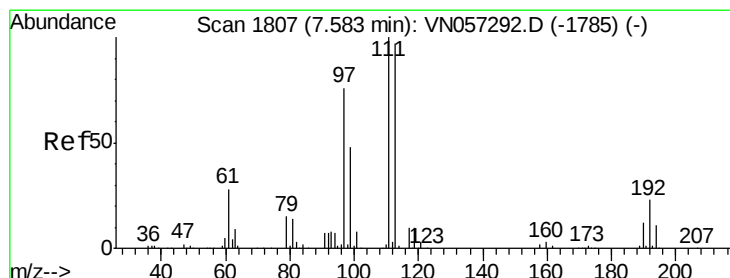
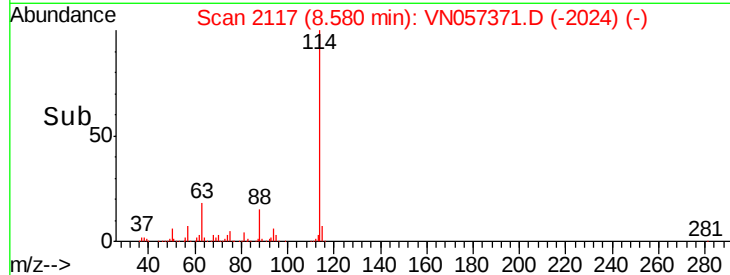
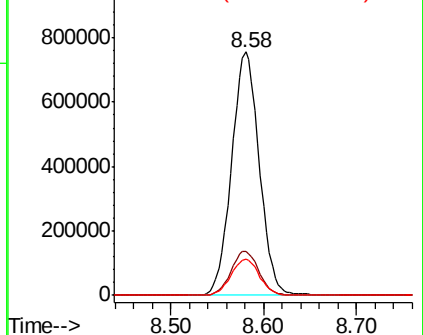
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Tgt Ion:114 Resp: 1565961
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.8
 88 14.8 0.0 31.4

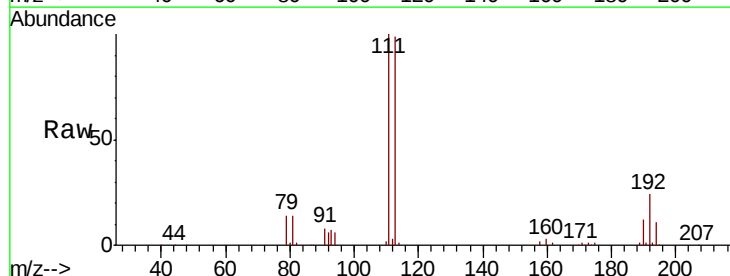


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

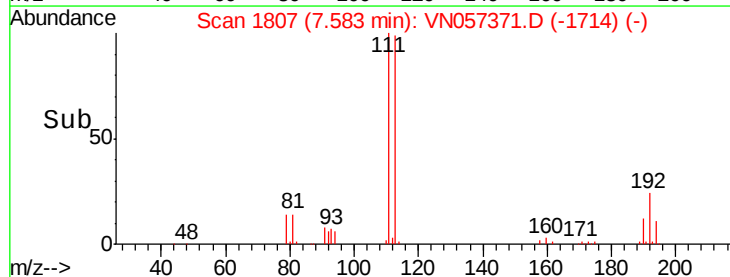
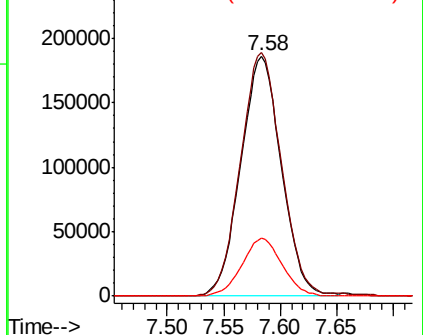


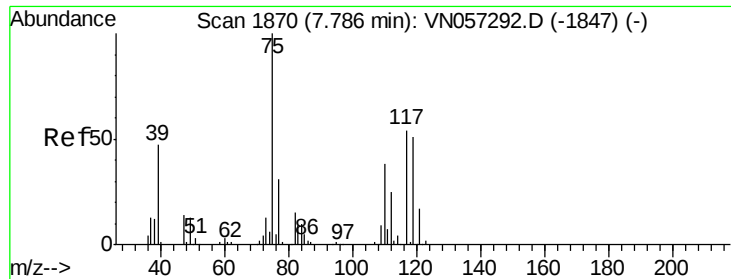
#35
 Dibromofluoromethane
 Concen: 45.240 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Tgt Ion:113 Resp: 464395
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.1 123.1
 192 24.0 19.3 28.9



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

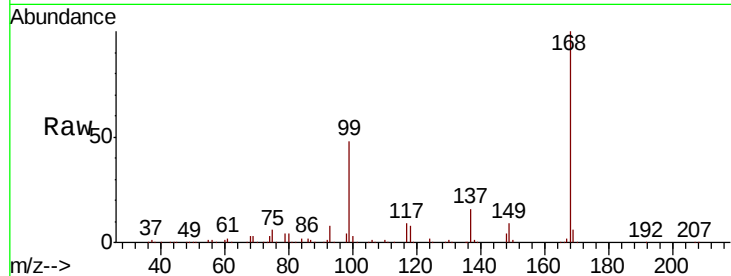




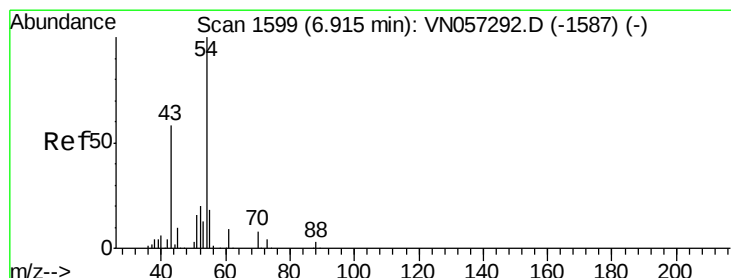
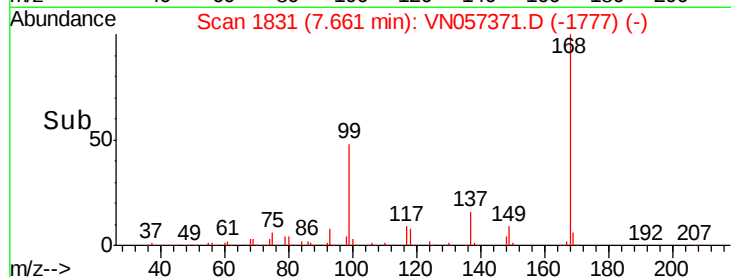
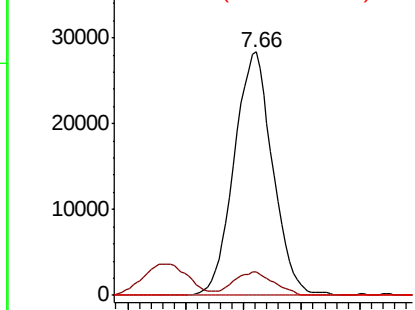
#36
 1,1-Dichloropropene
 Concen: 4.724 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

Tgt Ion: 75 Resp: 65312
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.0 25.0 37.6#

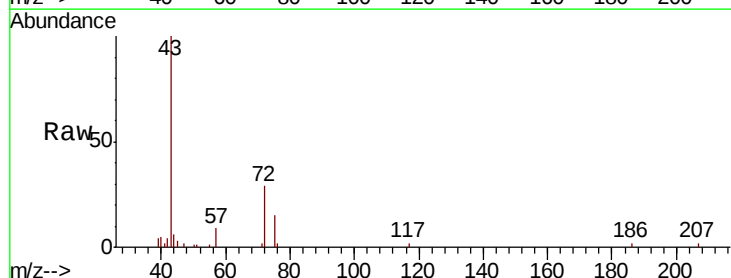


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

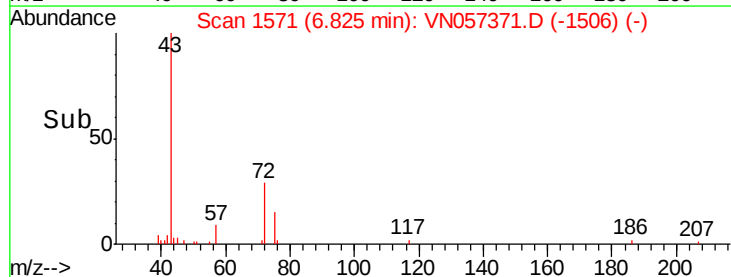
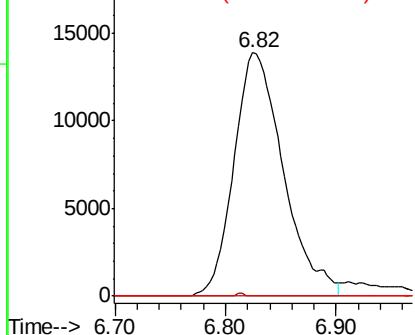


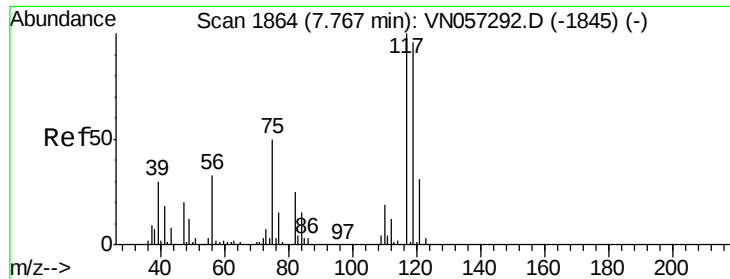
#37
 Ethyl Acetate
 Concen: 3.817 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.09 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Tgt Ion: 43 Resp: 43222
 Ion Ratio Lower Upper
 43 100
 61 0.1 12.0 18.0#
 70 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

TP-2

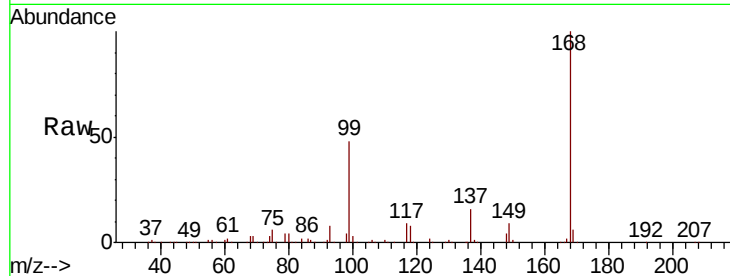
Tgt Ion:117 Resp: 93611

Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

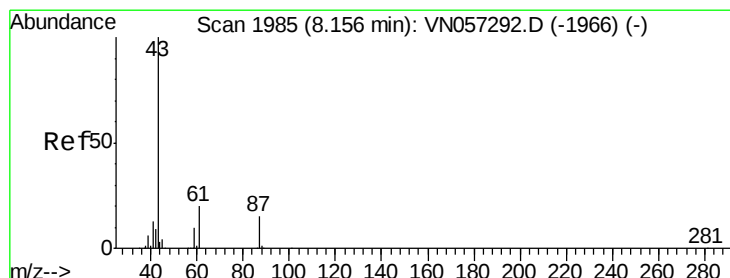
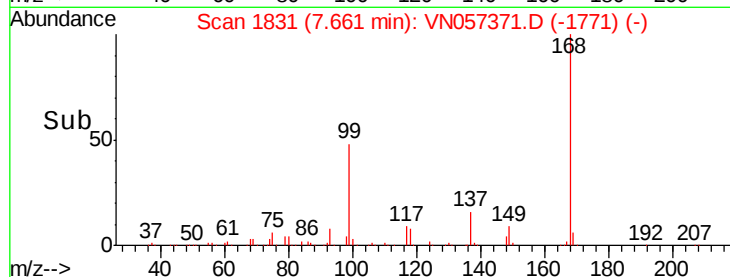
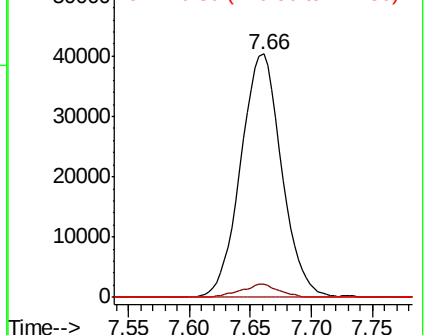
121 0.0 25.0 37.4#



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: 7.021 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

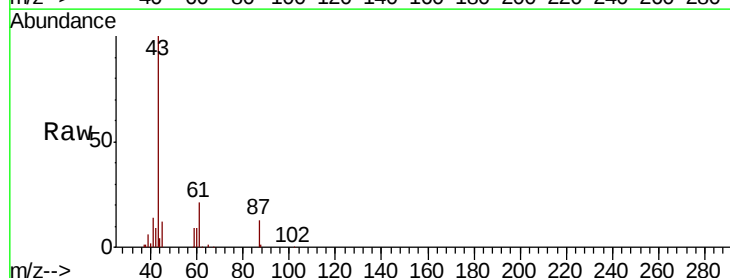
Tgt Ion: 43 Resp: 165479

Ion Ratio Lower Upper

43 100

61 18.4 21.6 32.4#

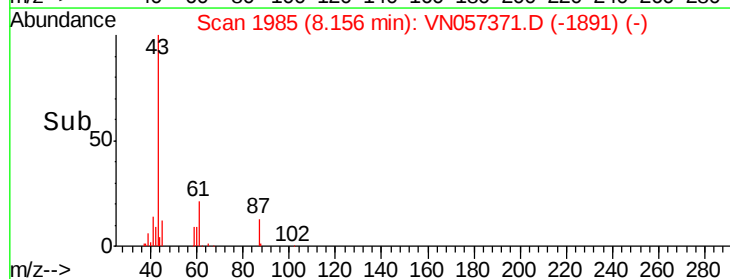
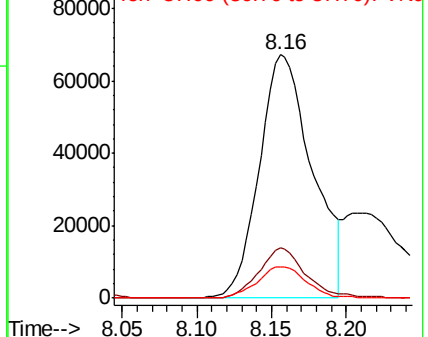
87 11.7 11.4 17.0

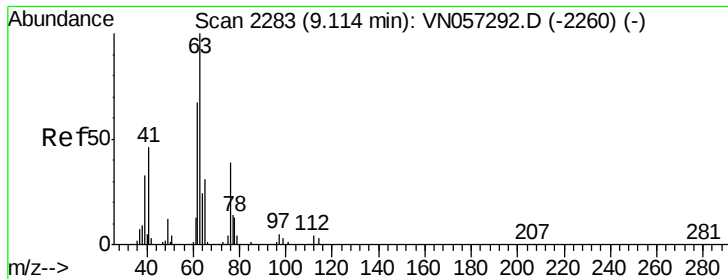


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.263 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.14 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampleId :

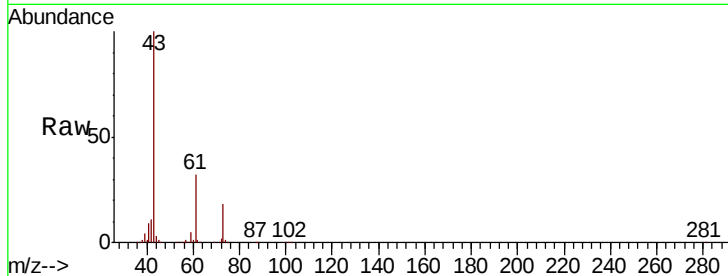
TP-2

Tgt Ion: 63 Resp: 2872

Ion Ratio Lower Upper

63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.26

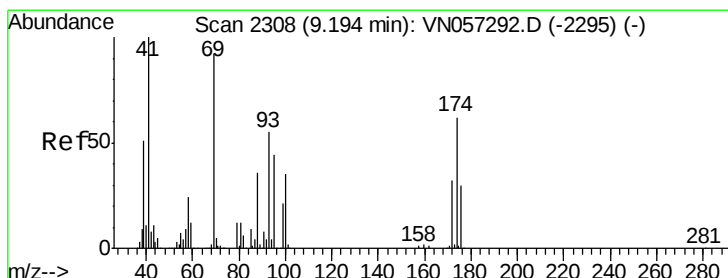
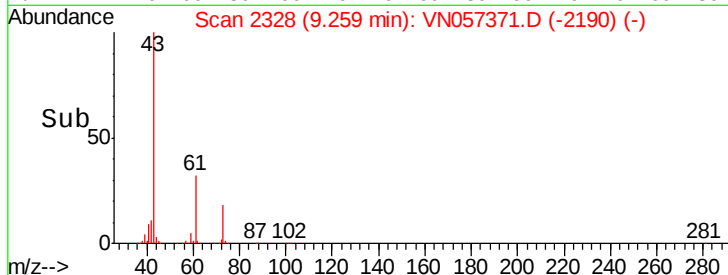
1500

1000

500

0

Time--> 9.20 9.25 9.30



#48

Methyl methacrylate

Concen: 0.942 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

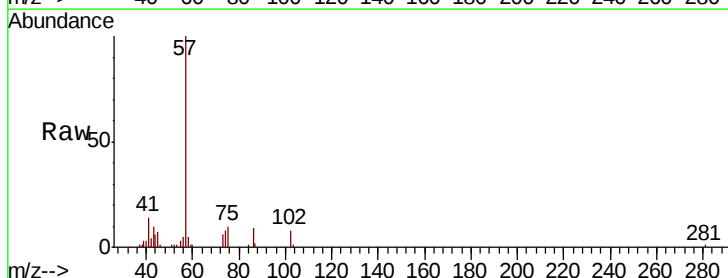
Tgt Ion: 41 Resp: 8786

Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 42.3 63.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

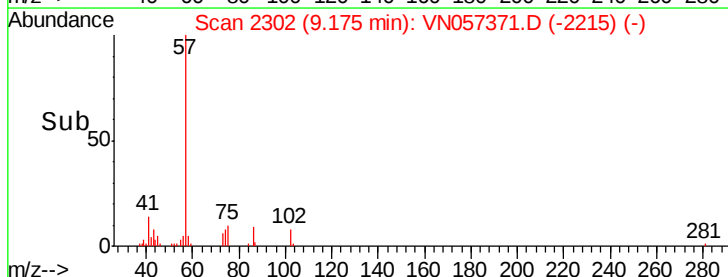
Ion 39.00 (38.70 to 39.70): VN0

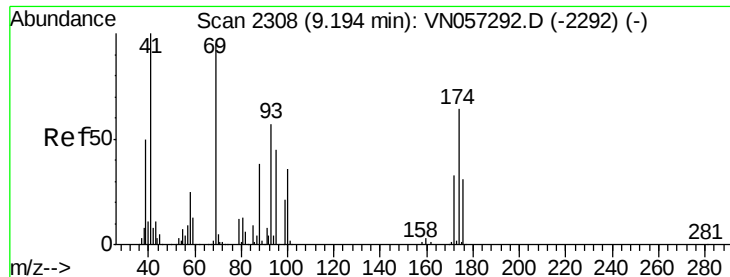
100000

50000

0

Time--> 9.10 9.15 9.20 9.25

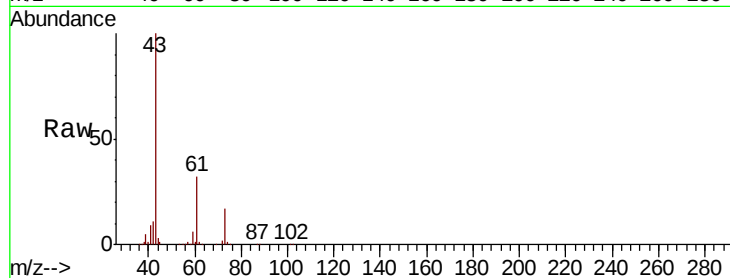




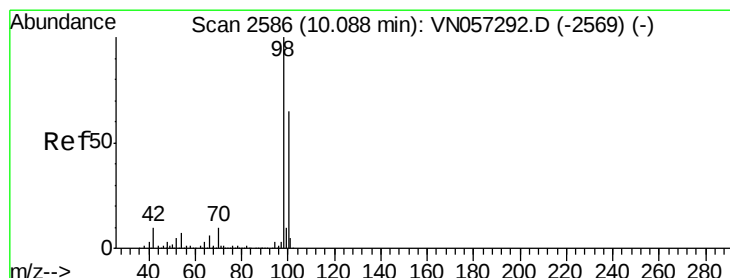
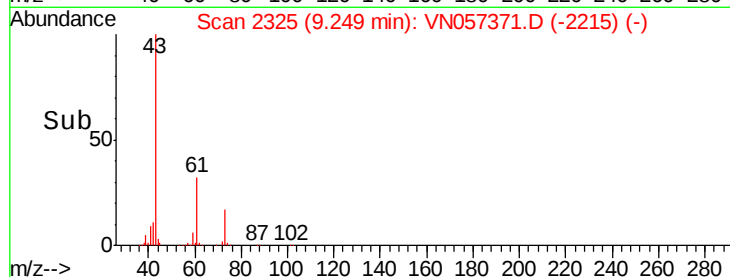
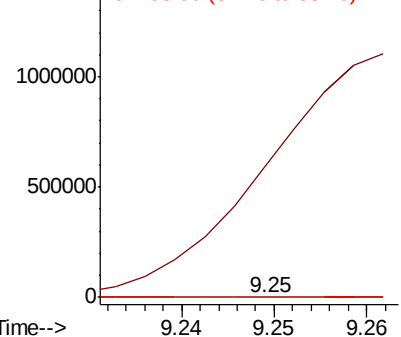
#49
 1,4-Dioxane
 Concen: 0.535 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.05 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

Tgt Ion: 88 Resp: 105
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 52.7 79.1#

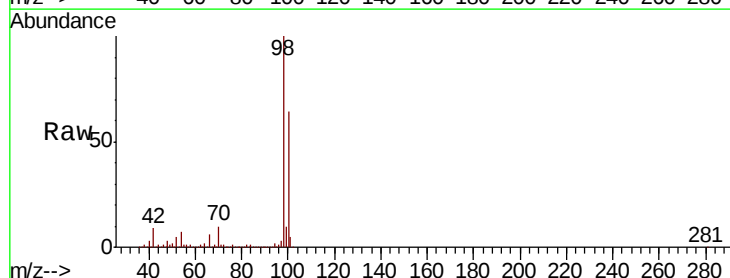


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

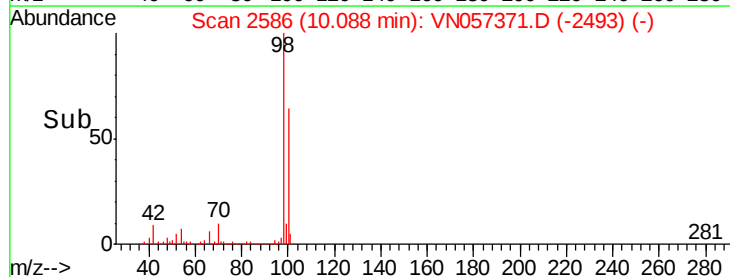
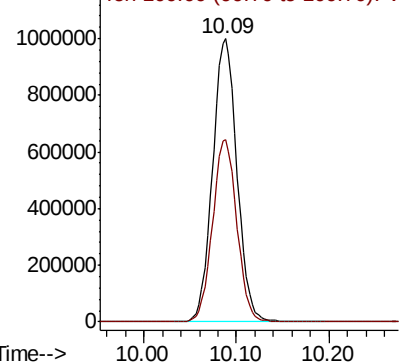


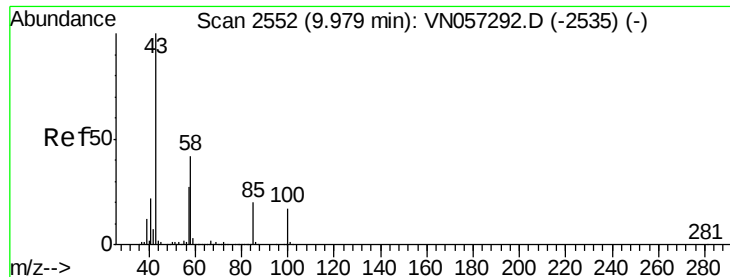
#50
 Toluene-d8
 Concen: 48.479 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Tgt Ion: 98 Resp: 1820148
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.9 77.9



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

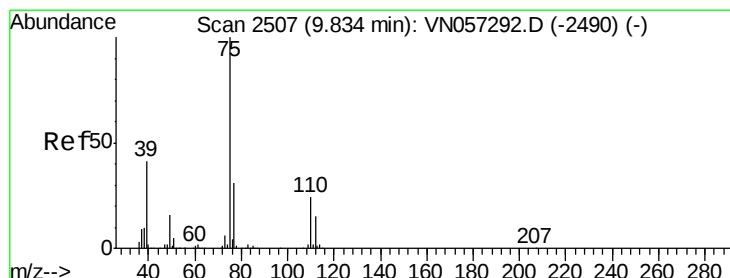
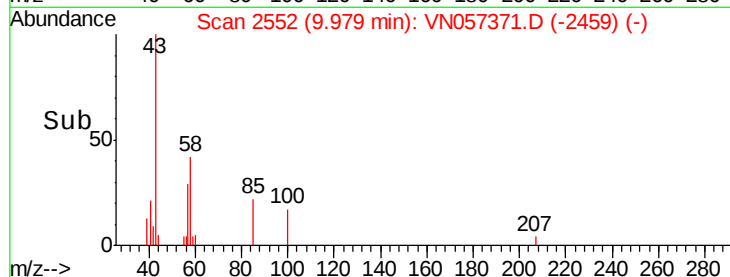
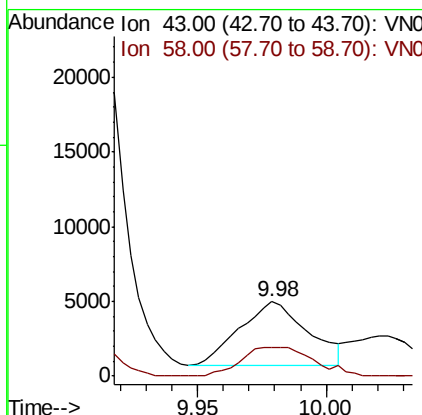
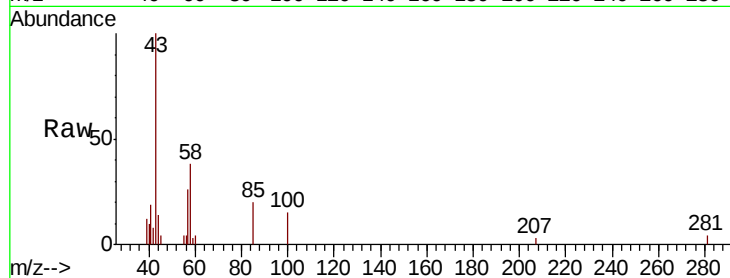




#51
 4-Methyl-2-Pentanone
 Concen: 0.664 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

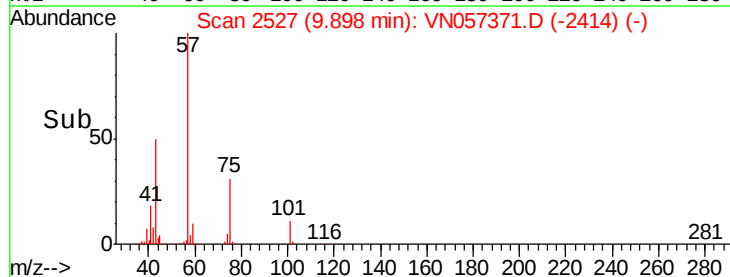
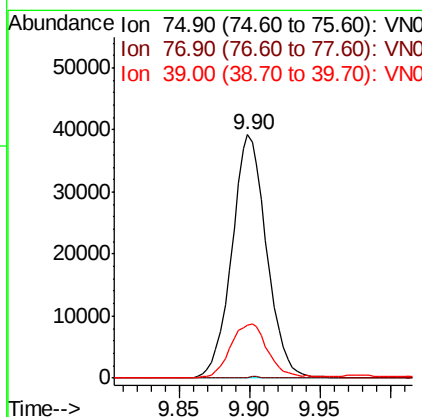
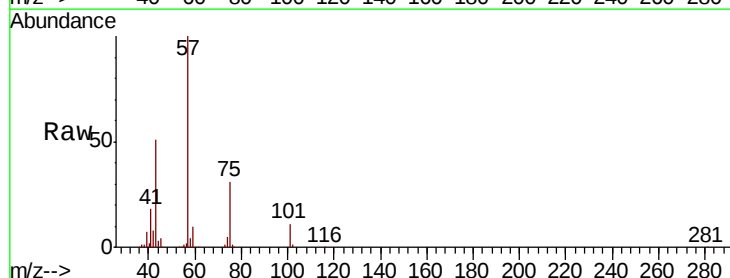
Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

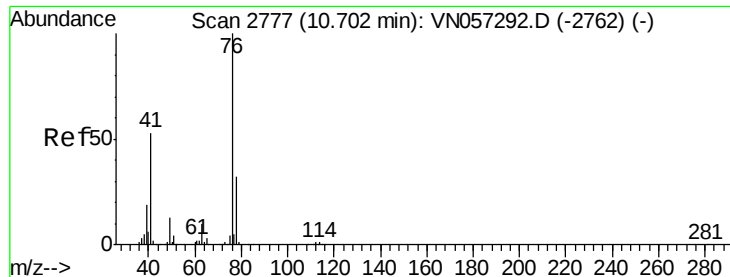
Tgt Ion: 43 Resp: 7755
 Ion Ratio Lower Upper
 43 100
 58 49.1 33.2 49.8



#54
 cis-1,3-Dichloropropene
 Concen: 3.924 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Tgt Ion: 75 Resp: 67435
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.9 37.3#
 39 21.7 32.7 49.1#

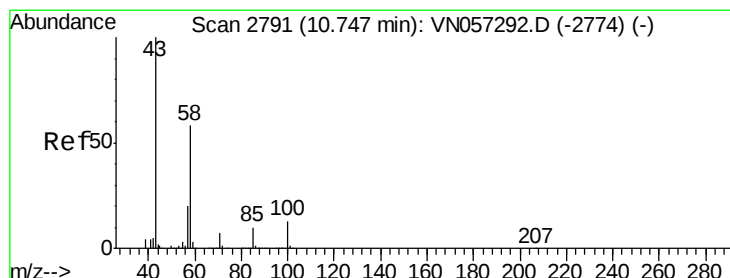
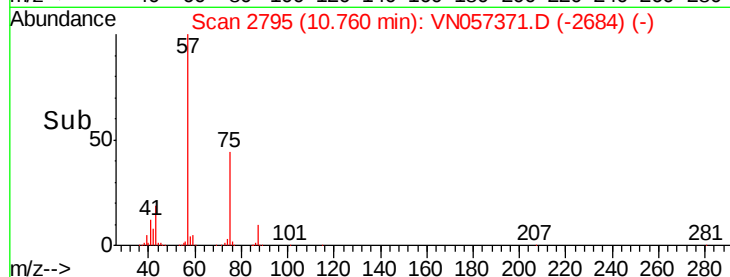
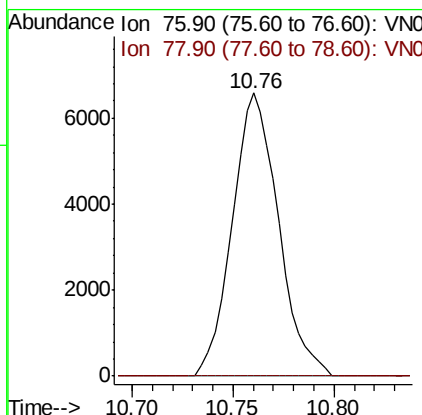
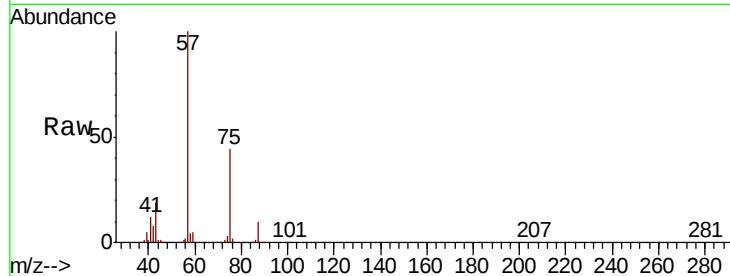




#57
 1,3-Dichloropropane
 Concen: 0.609 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

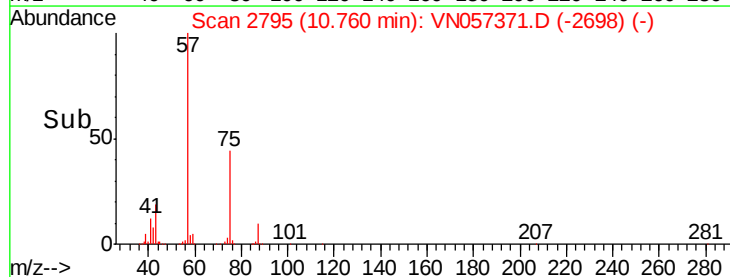
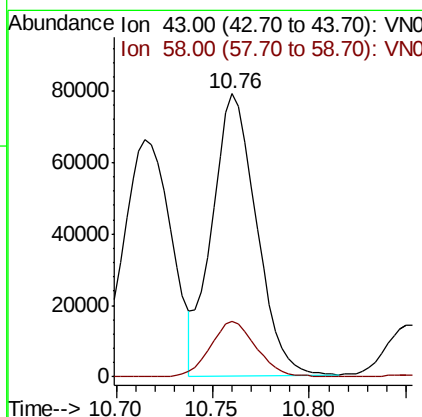
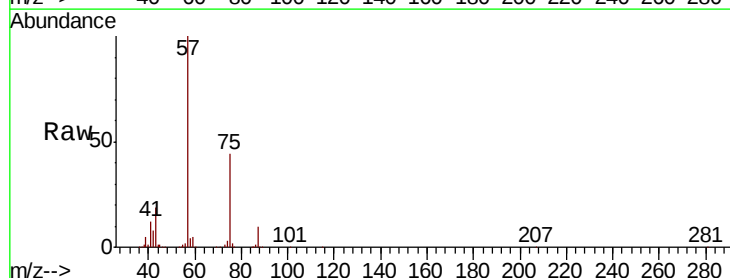
Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

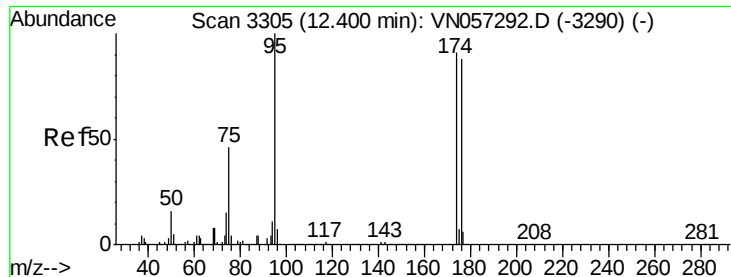
Tgt Ion: 76 Resp: 10525
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 15.030 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Tgt Ion: 43 Resp: 126237
 Ion Ratio Lower Upper
 43 100
 58 20.5 28.6 85.9#





#62

4-Bromofluorobenzene

Concen: 36.258 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampleId :

TP-2

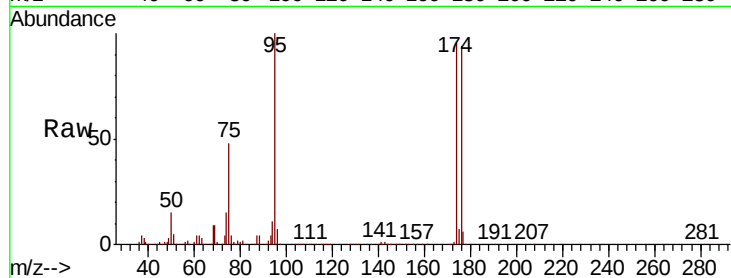
Tgt Ion: 95 Resp: 481084

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.0

176 93.9 0.0 181.0

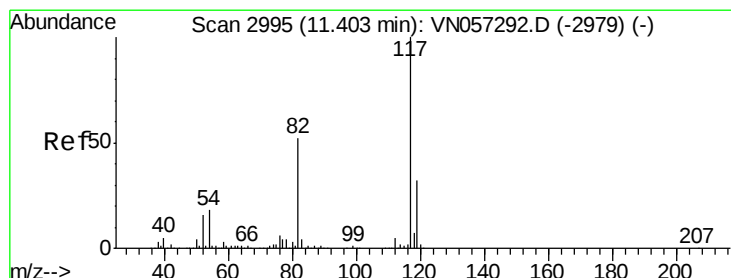
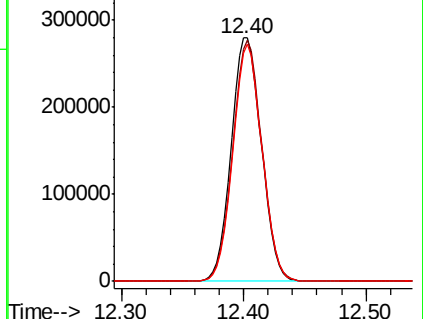
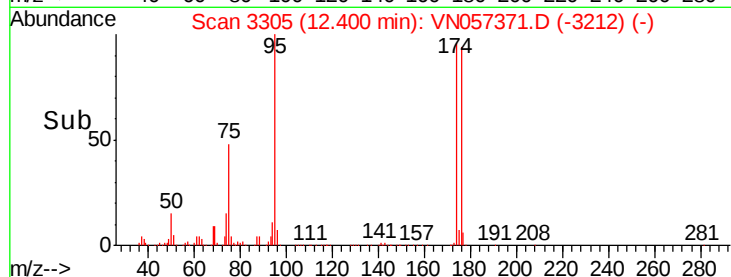


Abundance Ion 94.90 (94.60 to 95.60): VN057292.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057292.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057292.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

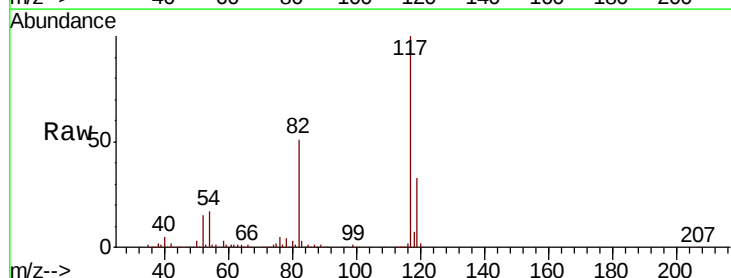
Tgt Ion: 117 Resp: 1299072

Ion Ratio Lower Upper

117 100

82 50.9 41.2 61.8

119 32.9 25.8 38.8

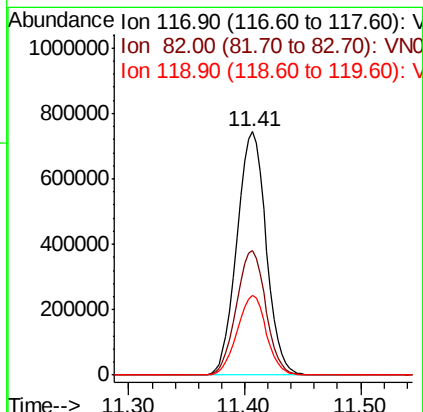
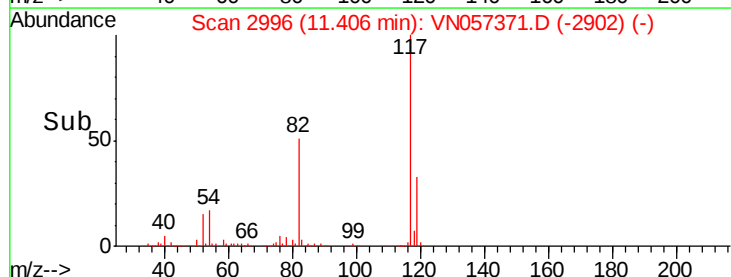


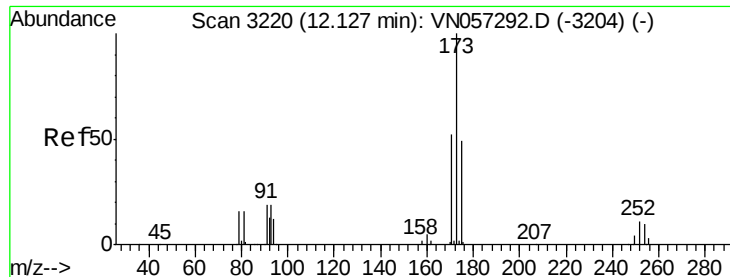
Abundance Ion 116.90 (116.60 to 117.60): VN057292.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057292.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057292.D (-2979) (-)

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.467 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

TP-2

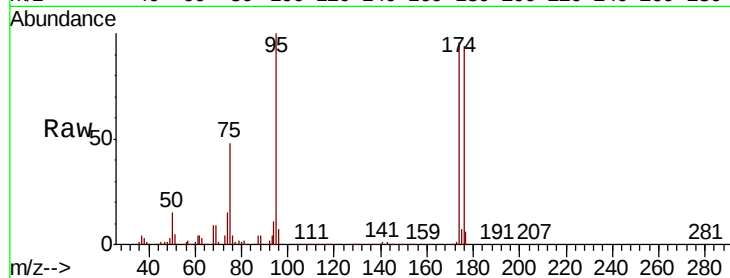
Tgt Ion:173 Resp: 3740

Ion Ratio Lower Upper

173 100

175 767.4 24.2 72.6#

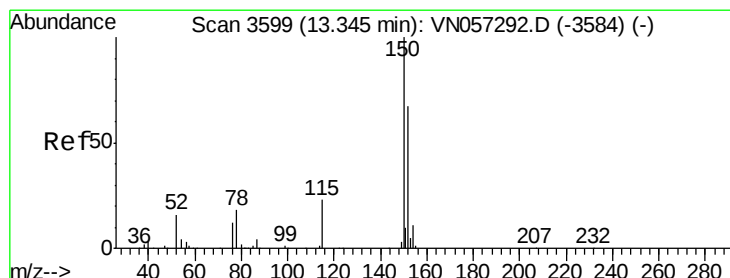
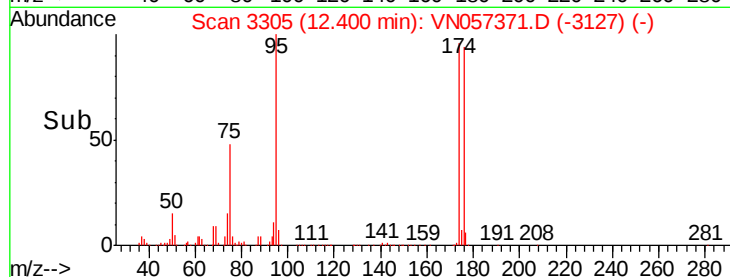
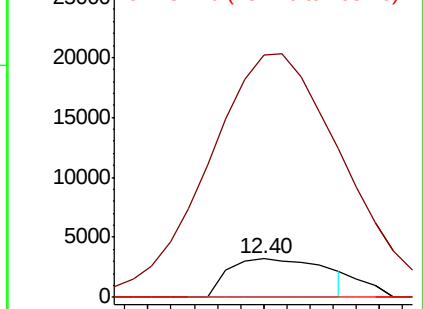
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

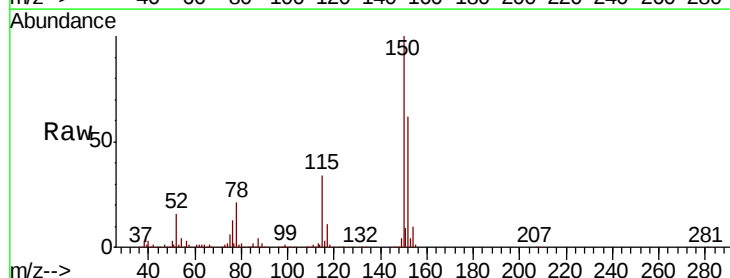
Tgt Ion:152 Resp: 343623

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

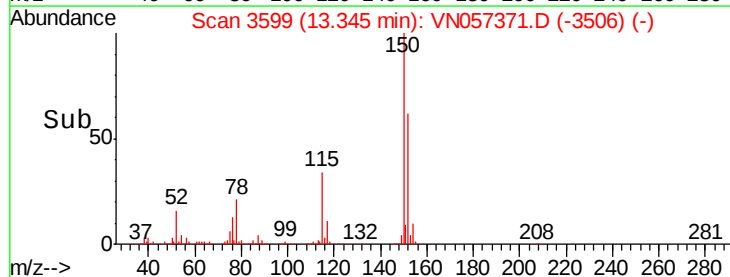
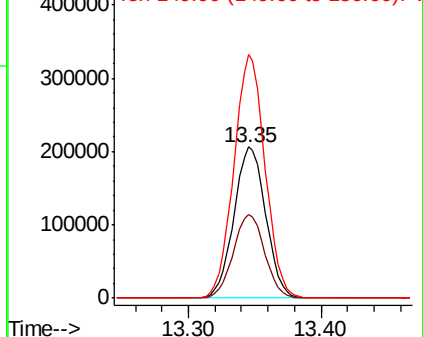
150 157.6 0.0 344.4

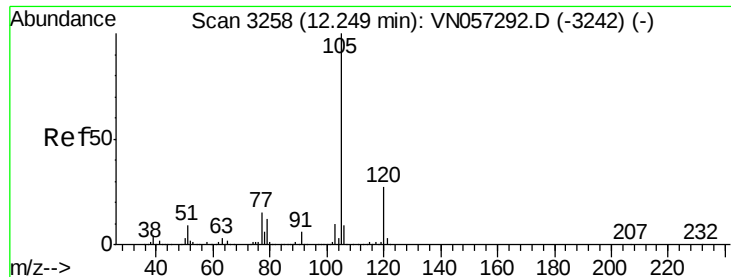


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.23 min Scan# 3253

Delta R.T. -0.02 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampleId :

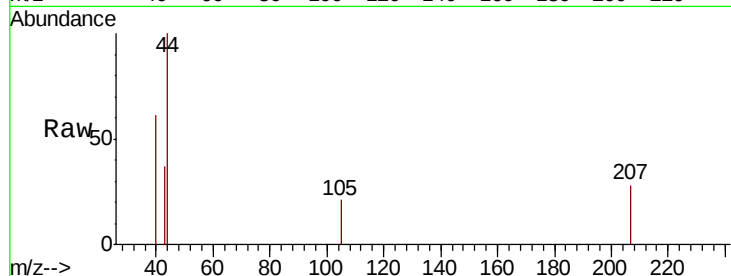
TP-2

Tgt Ion: 105 Resp: 123

Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

200

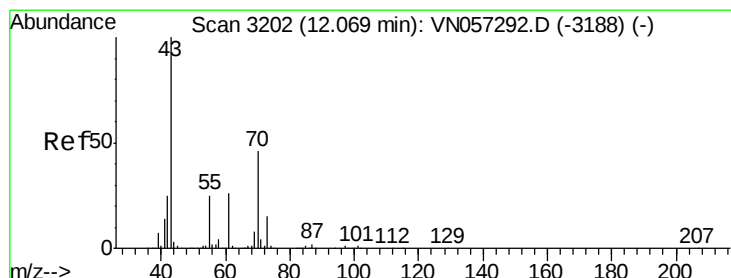
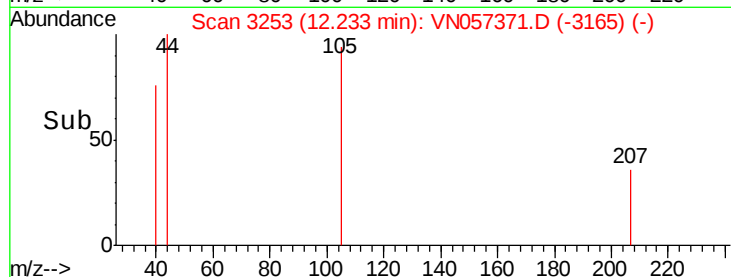
150

100

50

0

Time--> 12.22 12.23 12.24



#74

N-ethyl acetate

Concen: 0.384 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Tgt Ion: 43 Resp: 3827

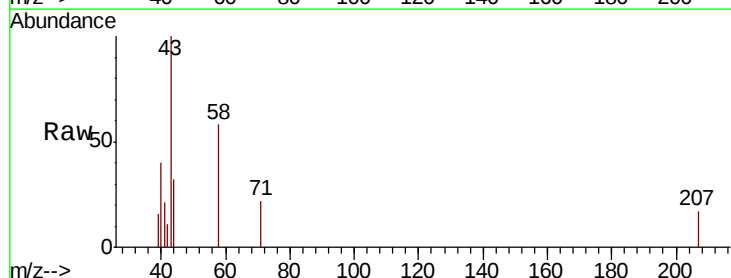
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 3.3 20.1 30.1#

61 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

2500

2000

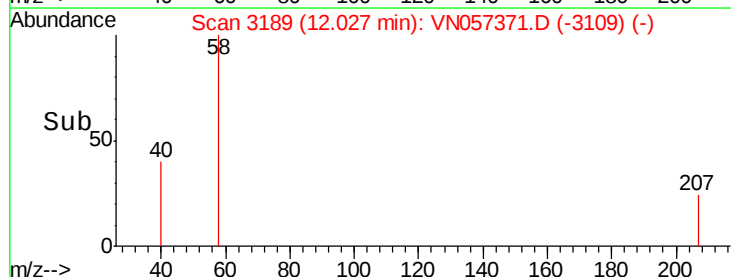
1500

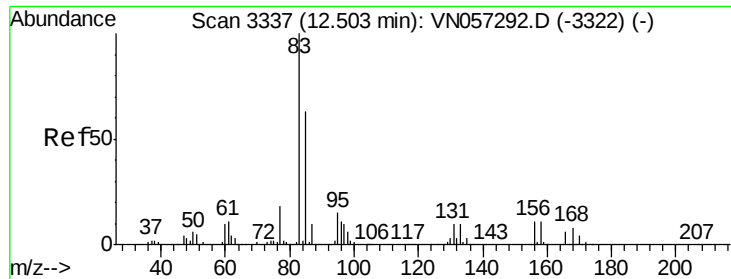
1000

500

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3303

Delta R.T. -0.11 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

TP-2

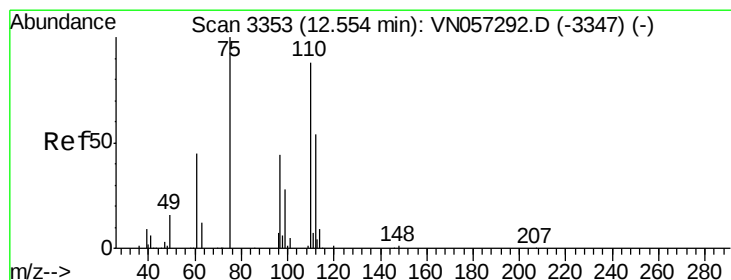
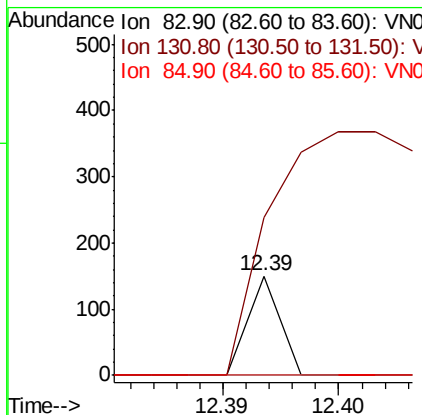
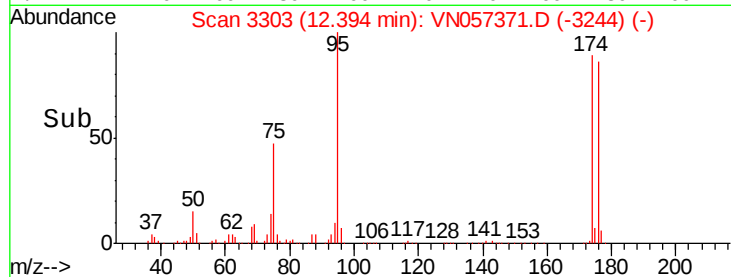
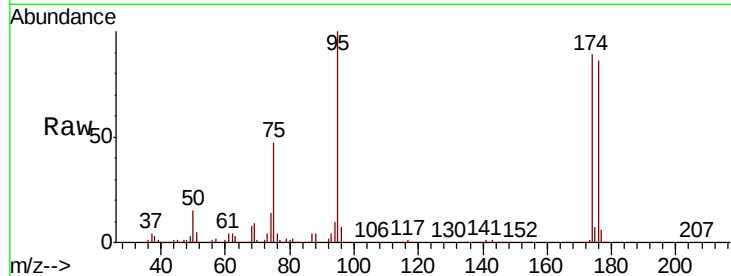
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 1375.9 5.4 16.2#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 32.719 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057371.D

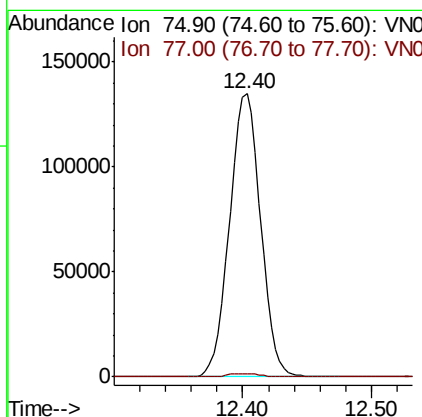
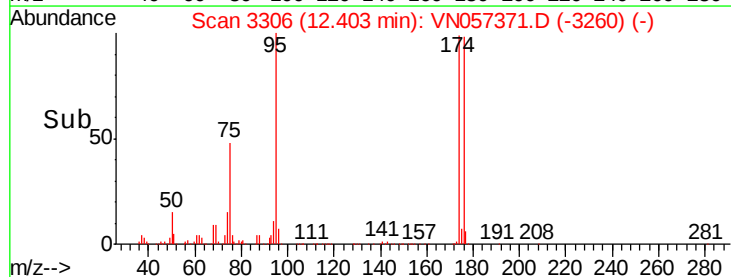
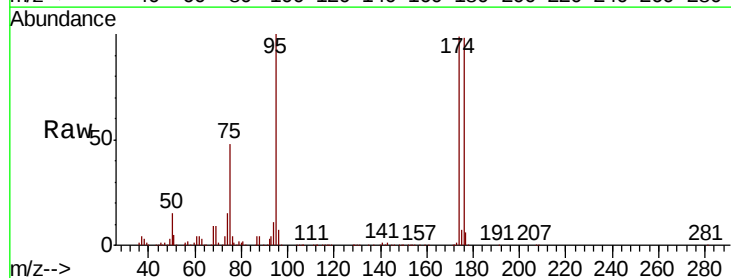
Acq: 16 Aug 2019 22:25

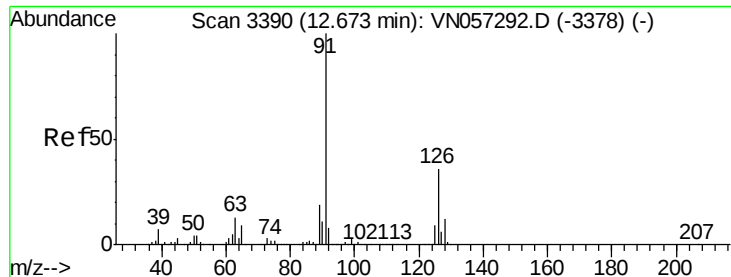
Tgt Ion: 75 Resp: 225738

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

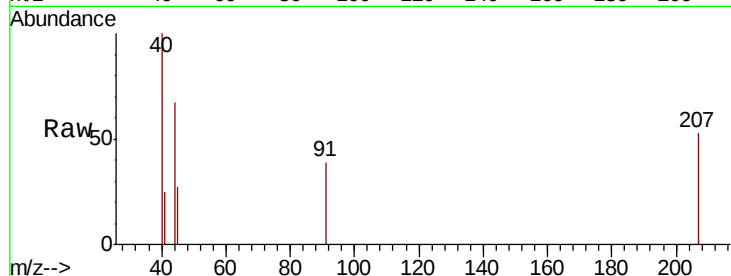
TP-2

Tgt Ion: 91 Resp: 467

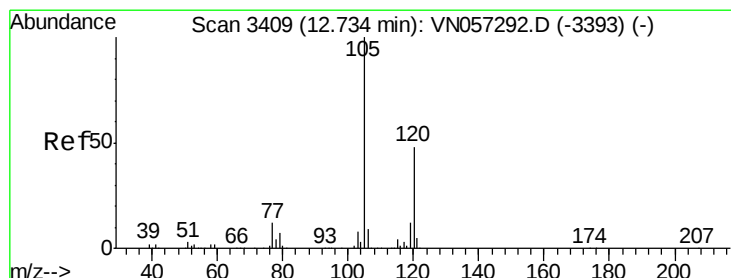
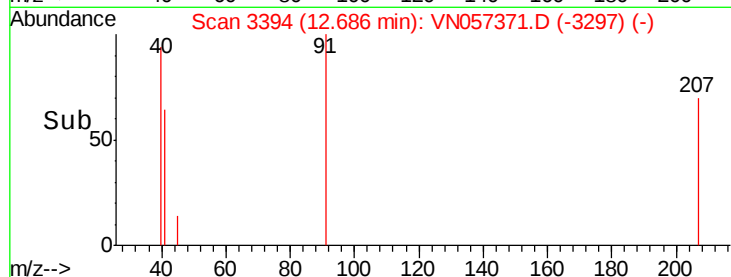
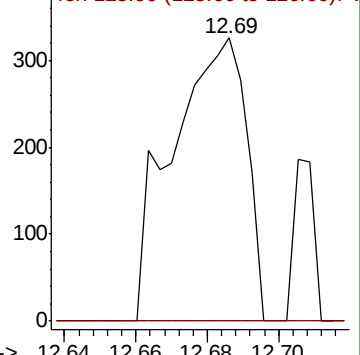
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN057371.D

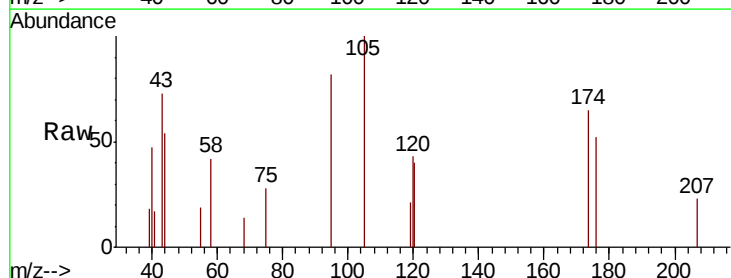
Acq: 16 Aug 2019 22:25

Tgt Ion: 105 Resp: 2072

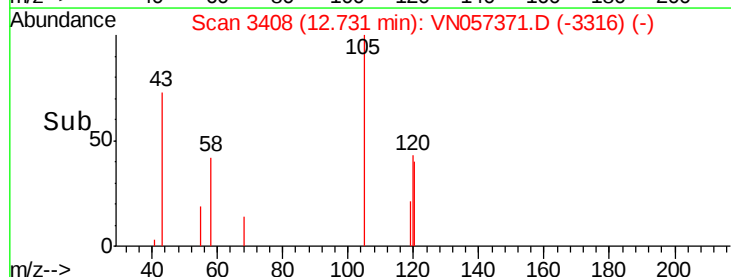
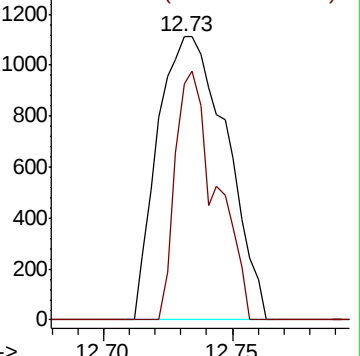
Ion Ratio Lower Upper

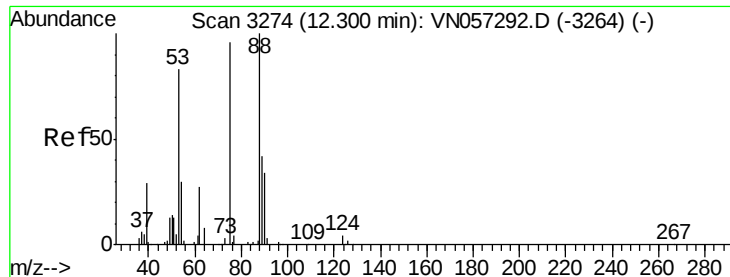
105 100

120 52.4 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 80.105 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

TP-2

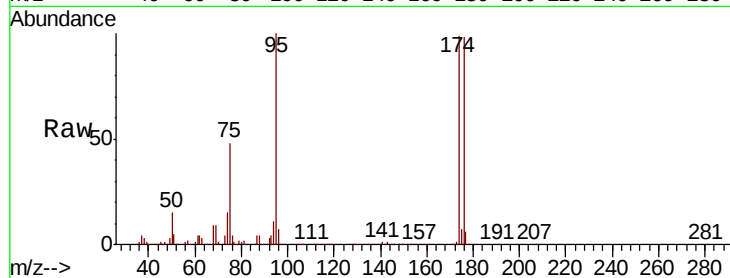
Tgt Ion: 75 Resp: 225738

Ion Ratio Lower Upper

75 100

53 0.0 67.9 101.9#

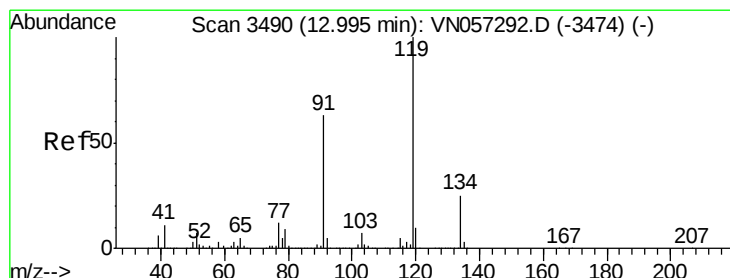
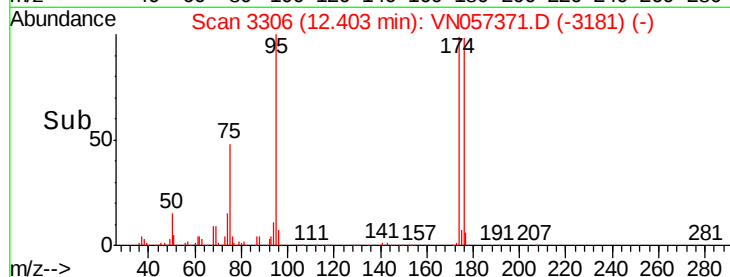
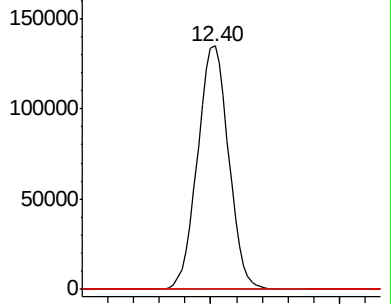
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN057371.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN057371.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN057371.D (-3306) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

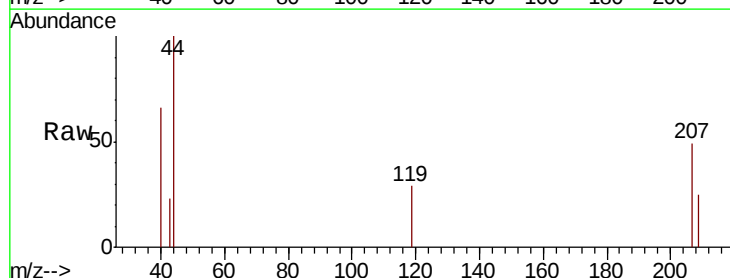
Tgt Ion: 119 Resp: 242

Ion Ratio Lower Upper

119 100

91 0.0 31.3 93.8#

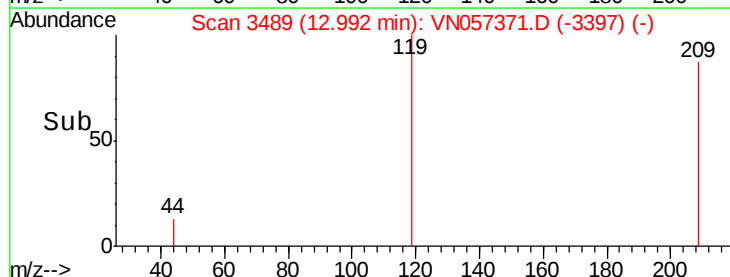
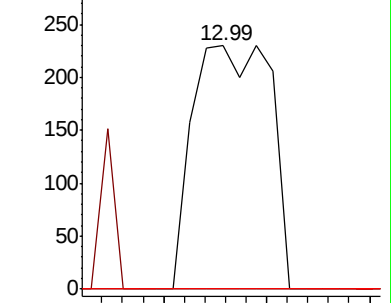
134 0.0 13.1 39.1#

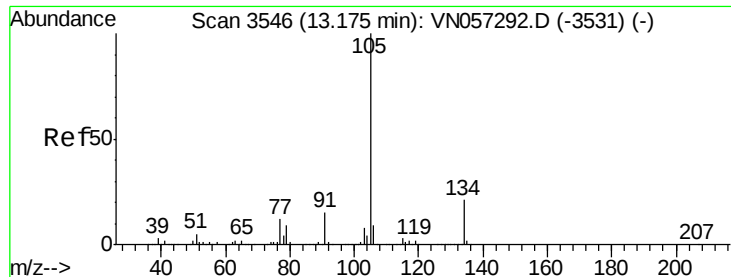


Abundance Ion 119.00 (118.70 to 119.70): VN057371.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN057371.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN057371.D (-3489) (-)





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampled :

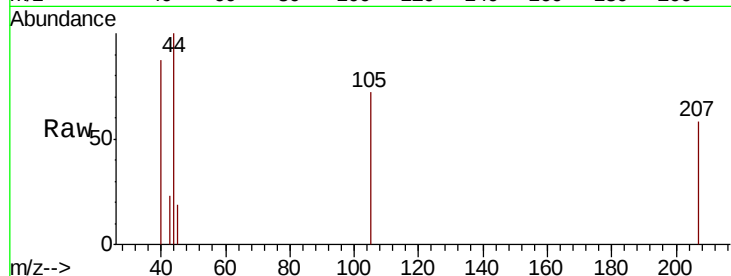
TP-2

Tgt Ion:105 Resp: 680

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

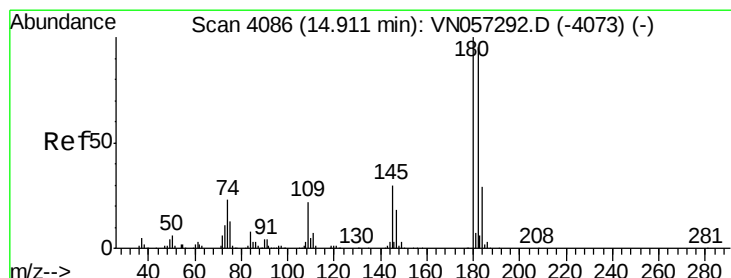
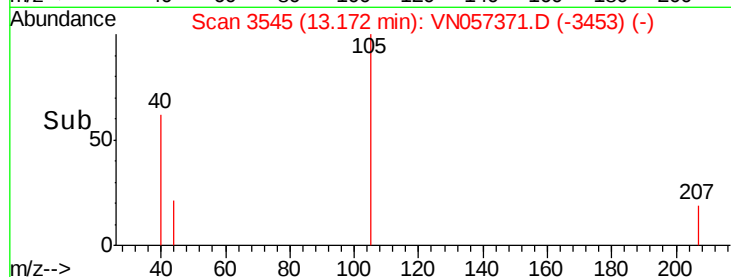
600

400

200

0

Time--> 13.14 13.16 13.18 13.20



#93

1,2,4-Trichlorobenzene

Concen: 5.457 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

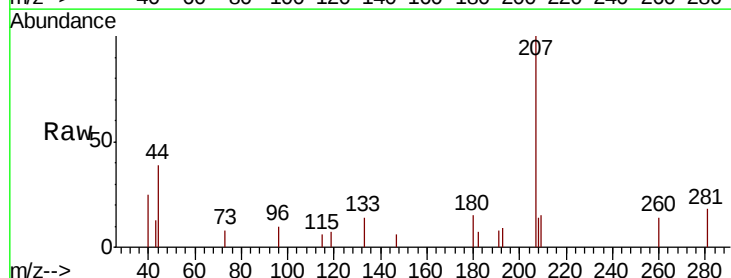
Tgt Ion:180 Resp: 509

Ion Ratio Lower Upper

180 100

182 12.6 48.0 144.2#

145 0.0 14.5 43.6#



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

400

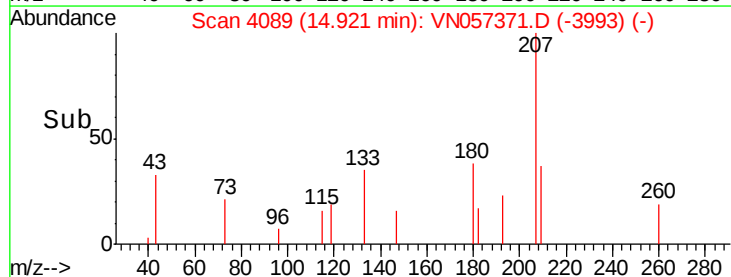
300

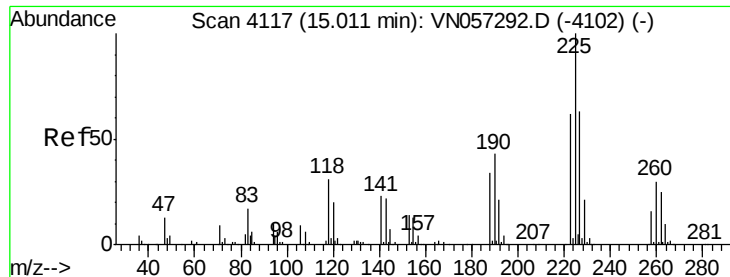
200

100

0

Time--> 14.88 14.90 14.92 14.94





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

Instrument :

MSVOA_N

ClientSampleId :

TP-2

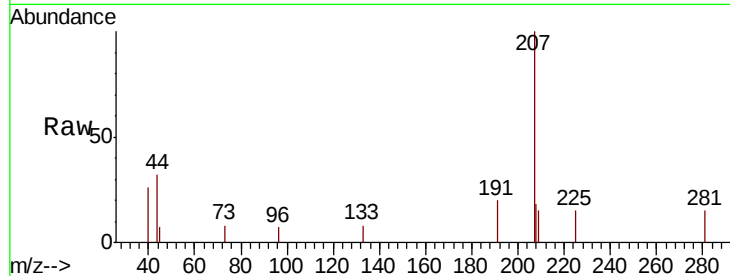
Tgt Ion:225 Resp: 252

Ion Ratio Lower Upper

225 100

223 0.0 30.7 92.1#

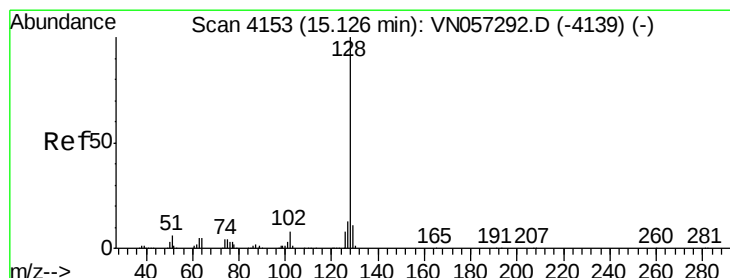
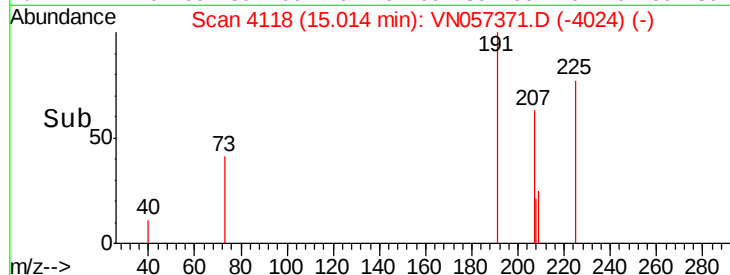
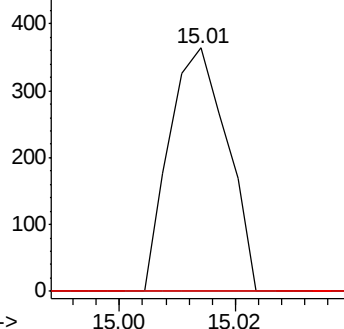
227 0.0 30.9 92.7#



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: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057371.D

Acq: 16 Aug 2019 22:25

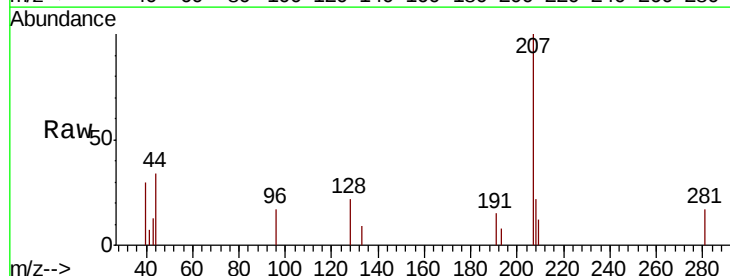
Tgt Ion:128 Resp: 645

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

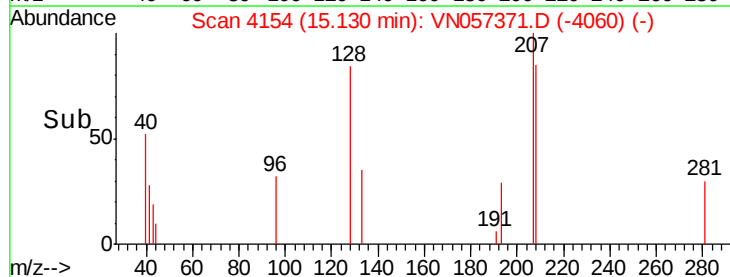
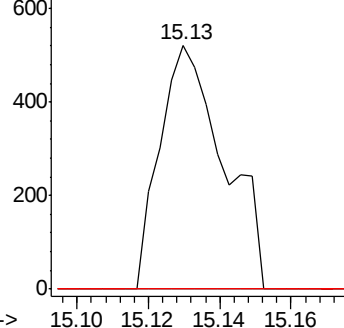
129 0.0 8.8 13.2#

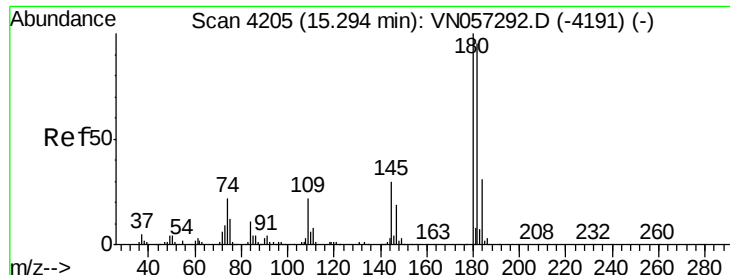


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

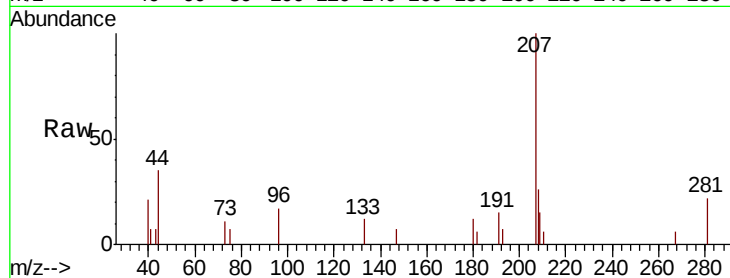




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057371.D
 Acq: 16 Aug 2019 22:25

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	19.0	47.9	143.6#
145	0.0	15.1	45.3#



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

