

Data File : VN057406.D
Acq On : 19 Aug 2019 17:33
Operator : JC/SP
Sample : K4389-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T6-E2-(2)

Quant Time: Aug 20 07:14:32 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	1060640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1470104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1243735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	495517	42.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	
35) Dibromofluoromethane	7.58	113	448647	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
50) Toluene-d8	10.08	98	1714976	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	453609	36.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.84%	

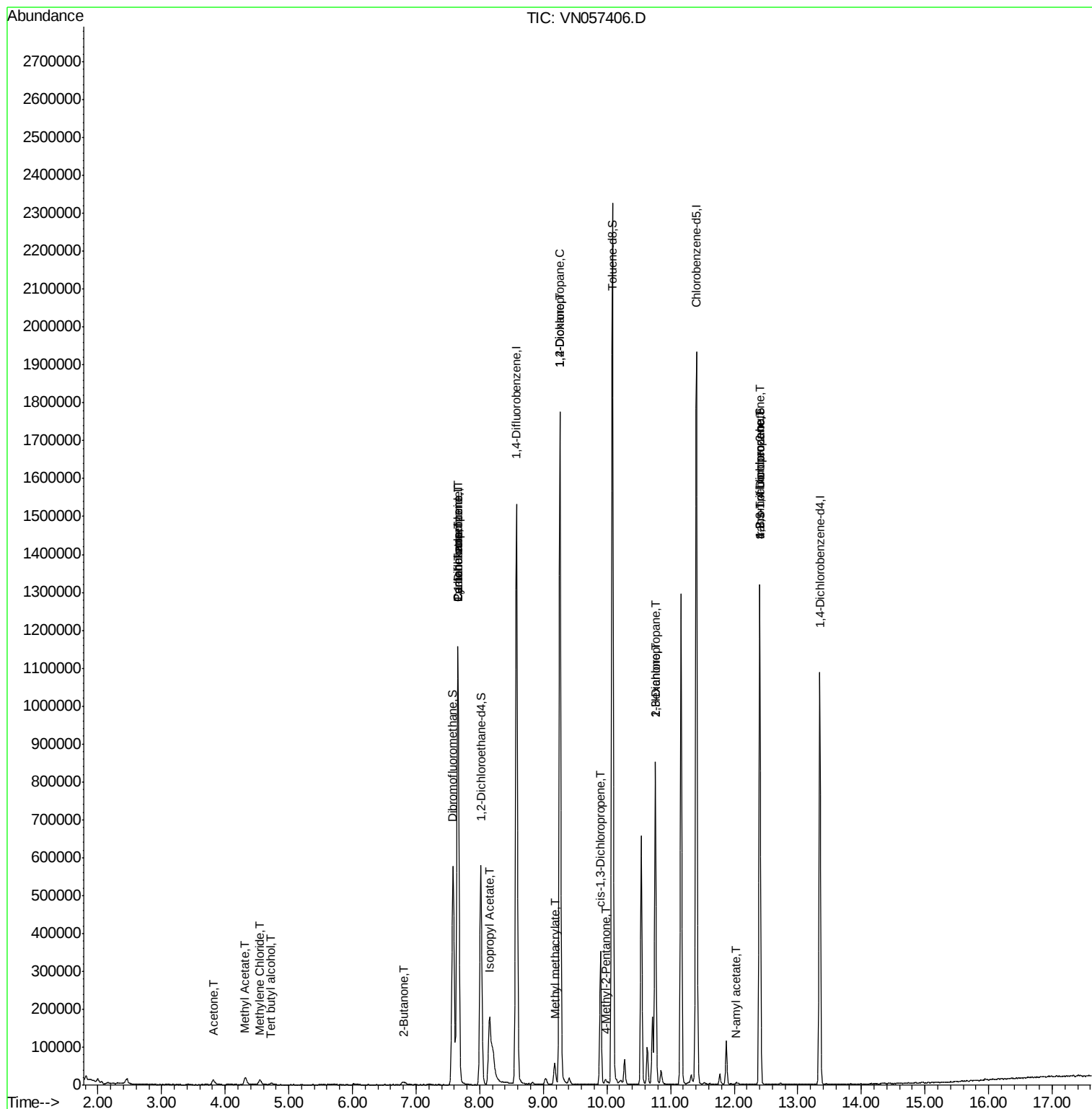
Target Compounds						Qvalue
11) Tert butyl alcohol	4.72	59	620	0.378	ug/l #	73
16) Acetone	3.81	43	21547	5.387	ug/l	96
18) Methyl Acetate	4.32	43	37097	1.105	ug/l	95
20) Methylene Chloride	4.54	84	9994	0.893	ug/l	91
25) 2-Butanone	6.82	43	1185	0.205	ug/l #	48
31) Cyclohexane	7.65	56	15627	0.995	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	63155	4.866	ug/l #	47
38) Carbon Tetrachloride	7.66	117	91084	6.754	ug/l #	17
43) Isopropyl Acetate	8.16	43	327007	16.054	ug/l #	71
45) 1,2-Dichloropropane	9.26	63	2456	0.240	ug/l #	44
48) Methyl methacrylate	9.17	41	7915	0.904	ug/l #	11
49) 1,4-Dioxane	9.27	88	313	1.700	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7527	0.686	ug/l #	83
54) cis-1,3-Dichloropropene	9.90	75	69312	4.296	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	9953	0.613	ug/l #	43
59) 2-Hexanone	10.76	43	116748	14.806	ug/l #	51
73) Isopropylbenzene	12.40	105	597	Below Cal	#	49
74) N-amyl acetate	12.03	43	4406	0.474	ug/l #	42
76) 1,2,3-Trichloropropane	12.40	75	208974	32.472	ug/l #	100
79) 2-Chlorotoluene	12.59	91	158	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	1116	Below Cal		95
81) trans-1,4-Dichloro-2-buten	12.40	75	208974	79.534	ug/l #	15
85) sec-Butylbenzene	13.18	105	118	Below Cal	#	55
95) Naphthalene	15.13	128	206	Below Cal	#	69

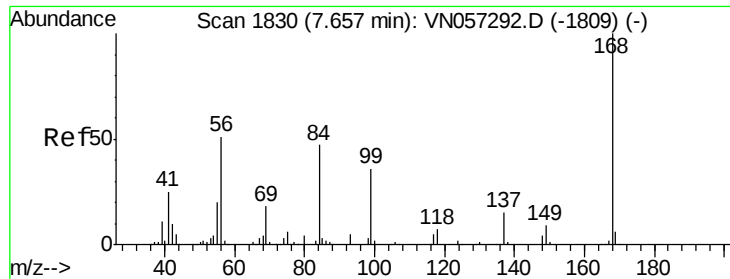
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN057406.D
Acq On : 19 Aug 2019 17:33
Operator : JC/SP
Sample : K4389-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T6-E2-(2)

Quant Time: Aug 20 07:14:32 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

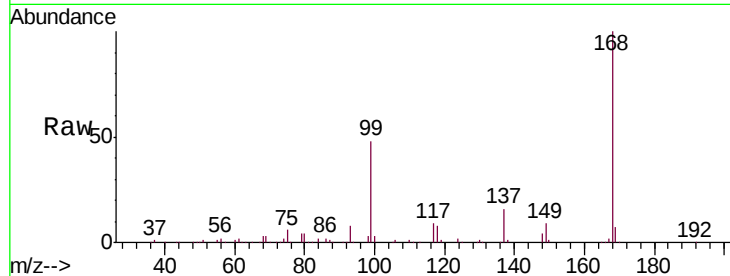
T6-E2-(2)

Tgt Ion:168 Resp: 1060640

Ion Ratio Lower Upper

168 100

99 48.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

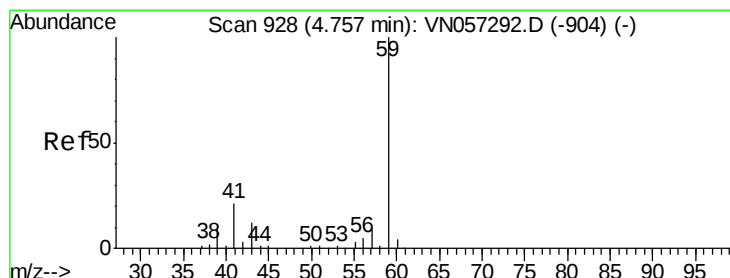
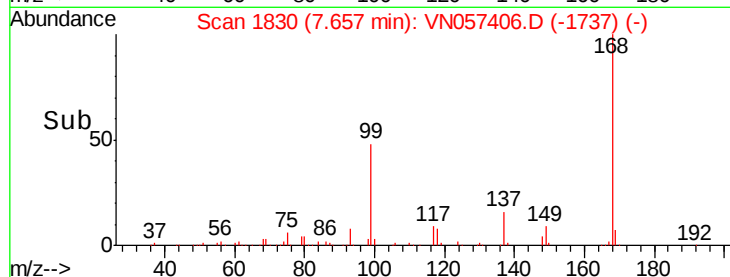
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 0.378 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.04 min

Lab File: VN057406.D

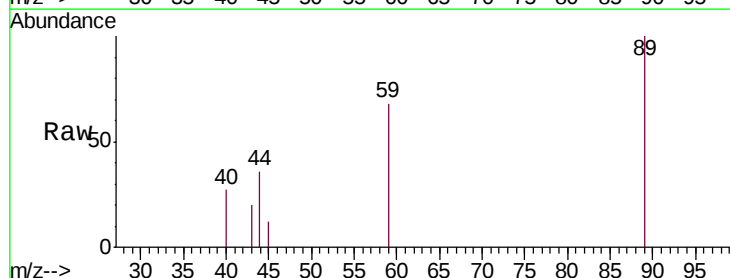
Acq: 19 Aug 2019 17:33

Tgt Ion: 59 Resp: 620

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

1200

1000

800

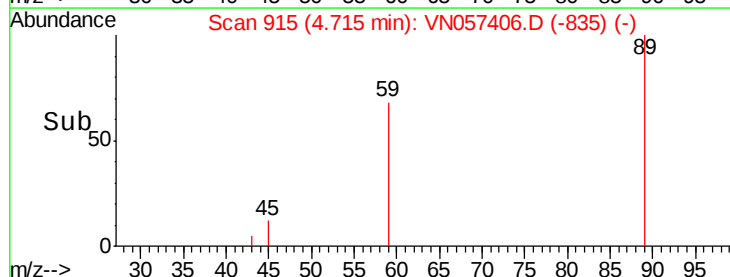
600

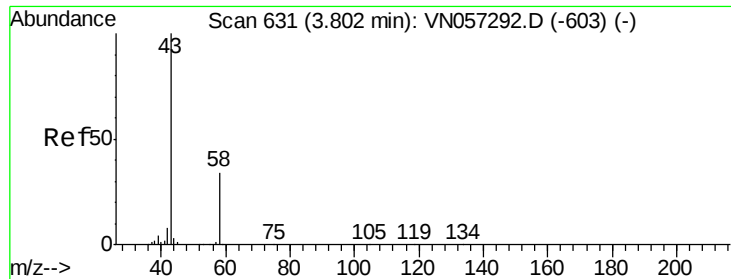
400

200

0

Time--> 4.70 4.71 4.72

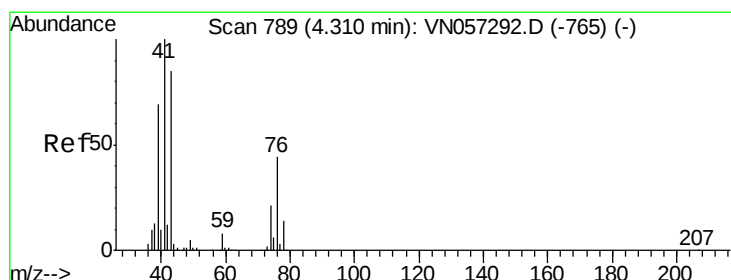
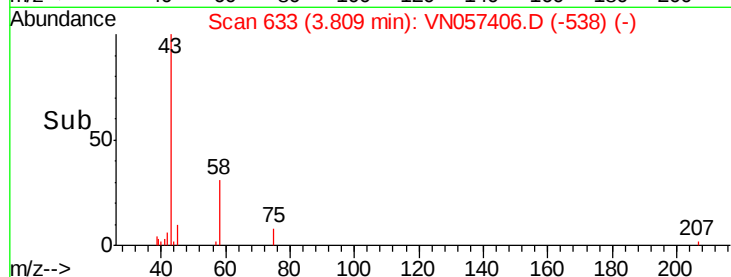
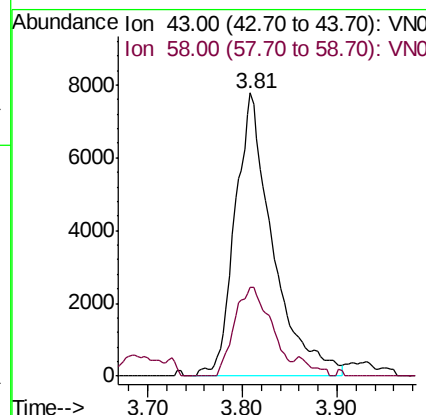
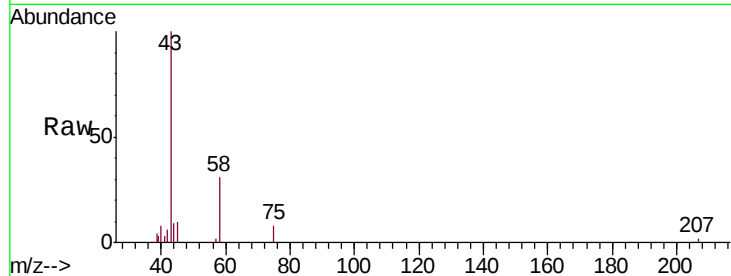




#16
Acetone
Concen: 5.387 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

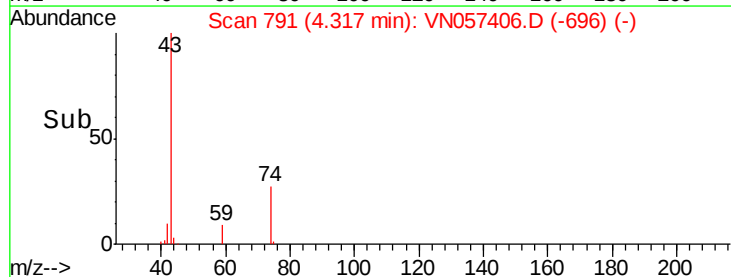
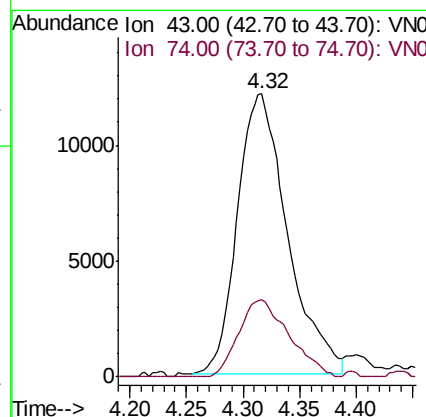
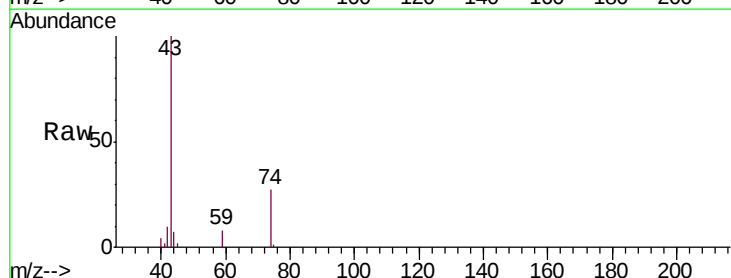
Instrument :
MSVOA_N
ClientSampleId :
T6-E2-(2)

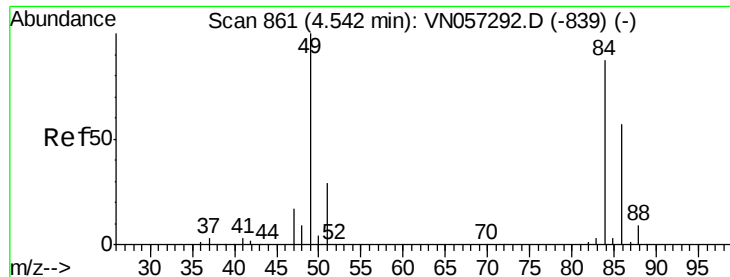
Tgt Ion: 43 Resp: 21547
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.6



#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

Tgt Ion: 43 Resp: 37097
Ion Ratio Lower Upper
43 100
74 27.9 20.2 30.2





#20

Methylene Chloride

Concen: 0.893 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.00 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :
MSVOA_N
ClientSampled :
T6-E2-(2)

Tgt Ion: 84 Resp: 9994

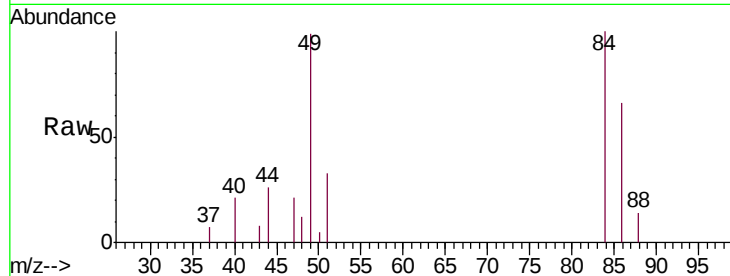
Ion Ratio Lower Upper

84 100

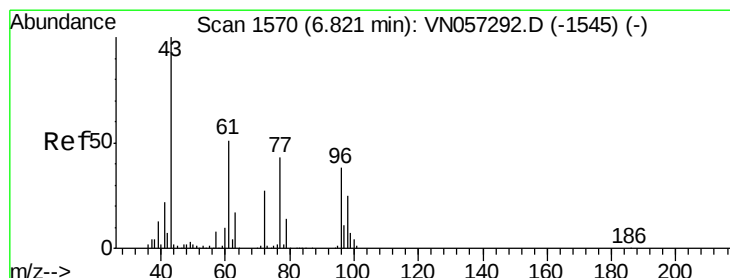
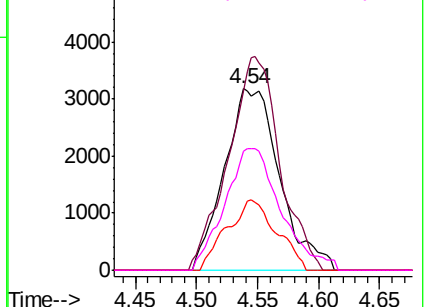
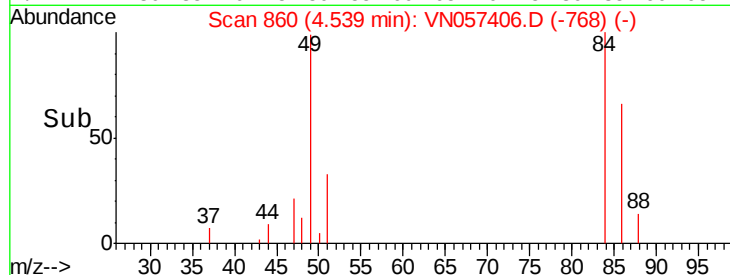
49 98.6 92.0 138.0

51 33.2 27.1 40.7

86 65.9 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.205 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057406.D

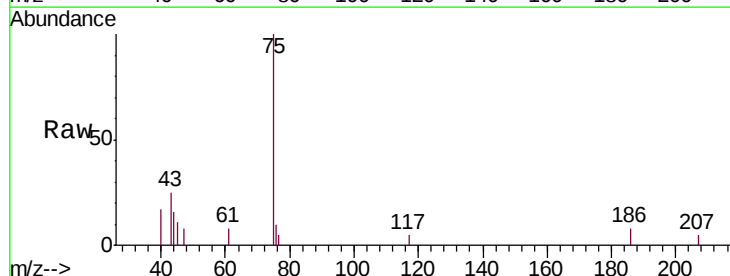
Acq: 19 Aug 2019 17:33

Tgt Ion: 43 Resp: 1185

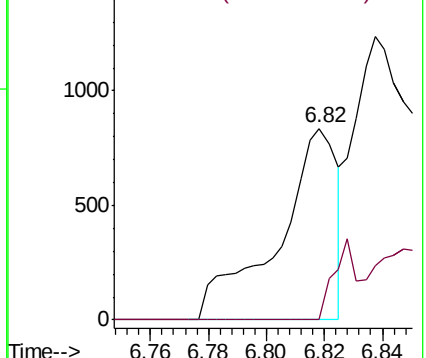
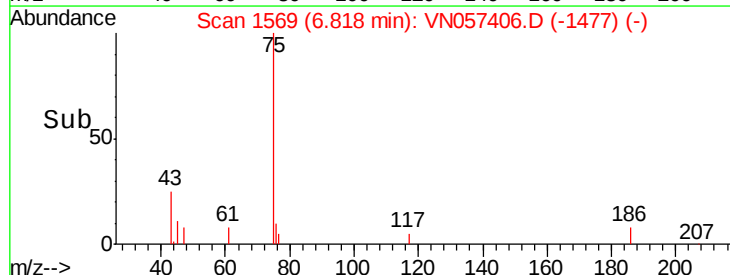
Ion Ratio Lower Upper

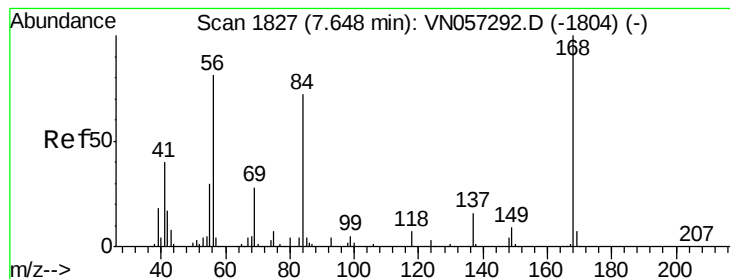
43 100

72 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 0.995 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

T6-E2-(2)

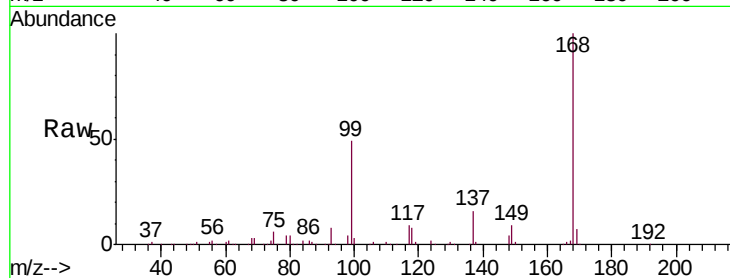
Tgt Ion: 56 Resp: 15627

Ion Ratio Lower Upper

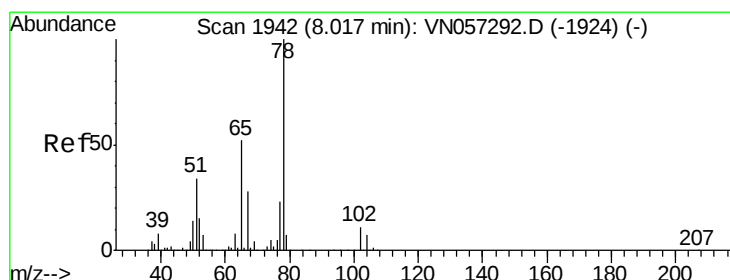
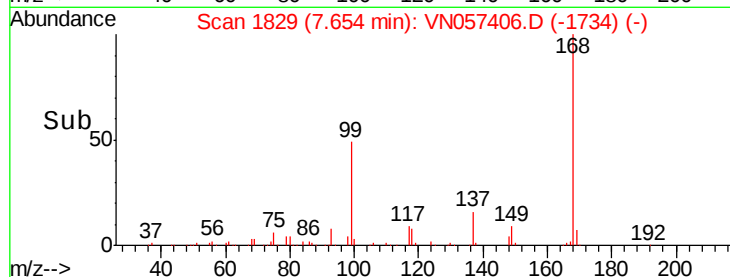
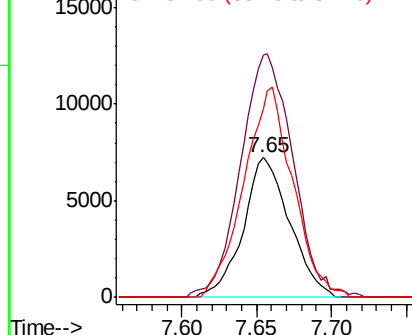
56 100

69 170.6 27.3 40.9#

84 134.7 71.0 106.6#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 42.975 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057406.D

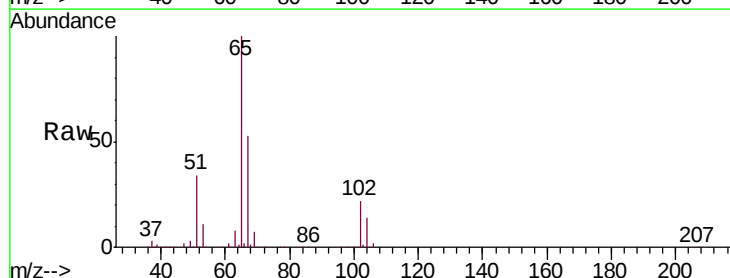
Acq: 19 Aug 2019 17:33

Tgt Ion: 65 Resp: 495517

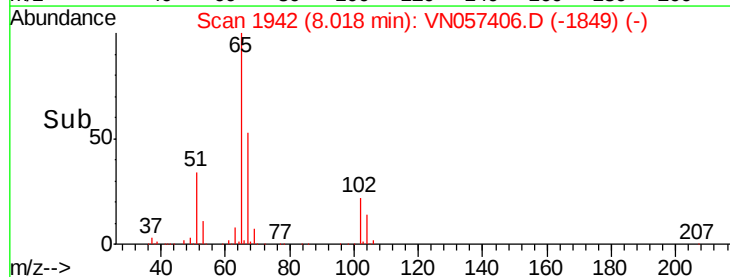
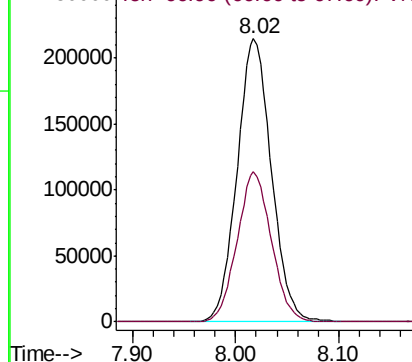
Ion Ratio Lower Upper

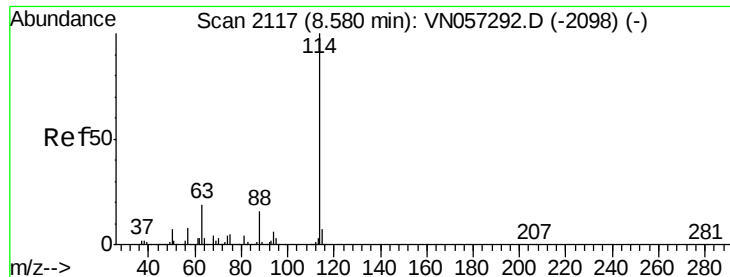
65 100

67 53.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

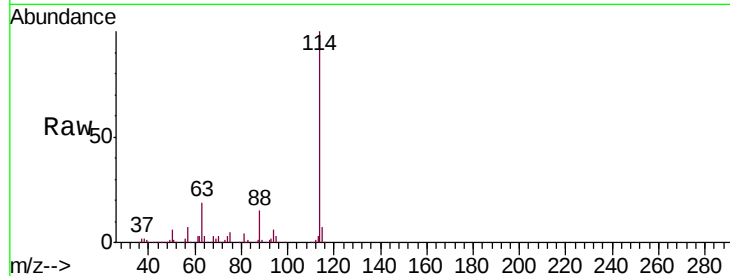




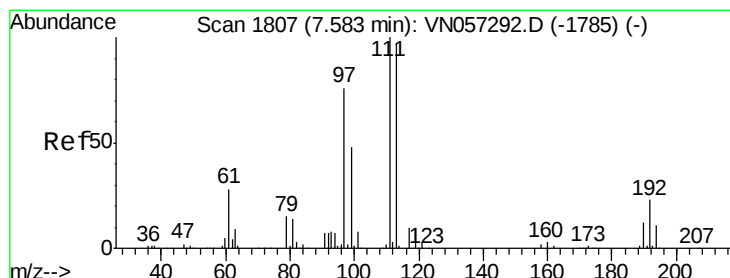
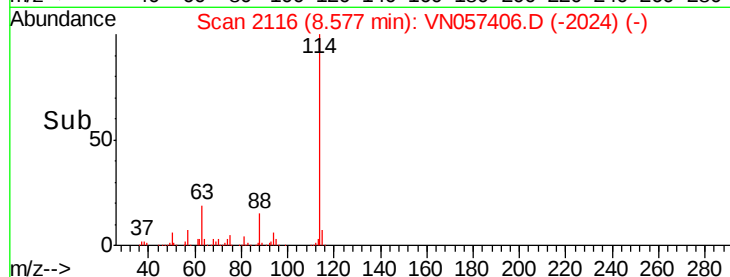
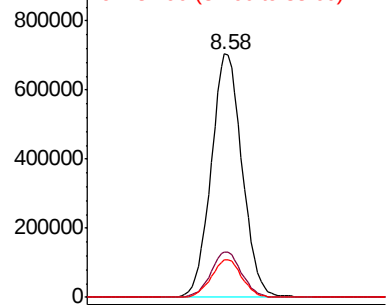
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 T6-E2-(2)

Tgt Ion:114 Resp: 1470104
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.8
 88 15.2 0.0 31.4

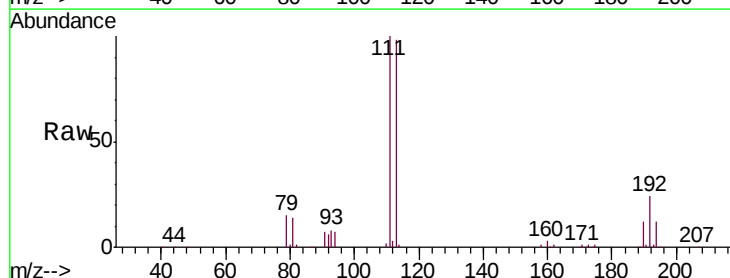


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

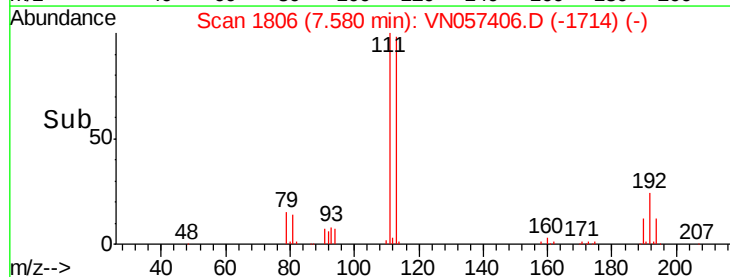
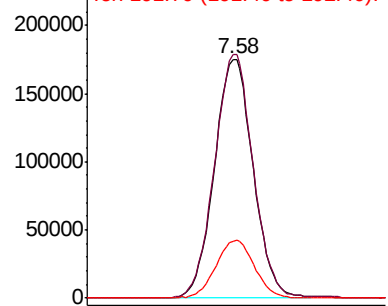


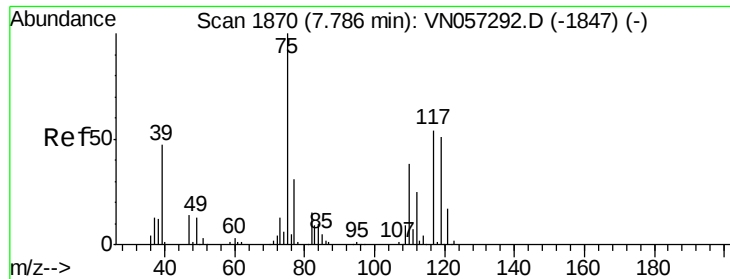
#35
 Dibromofluoromethane
 Concen: 46.555 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Tgt Ion:113 Resp: 448647
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.1 123.1
 192 24.1 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

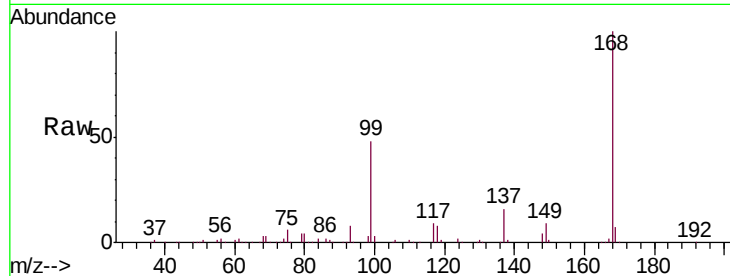




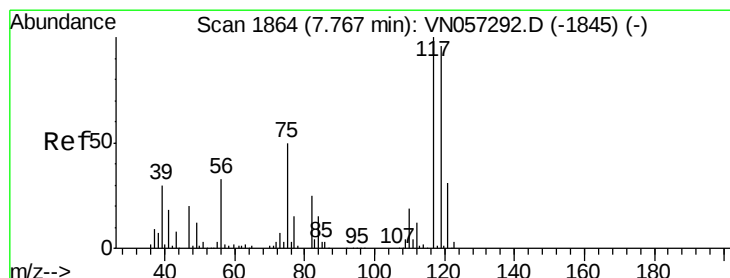
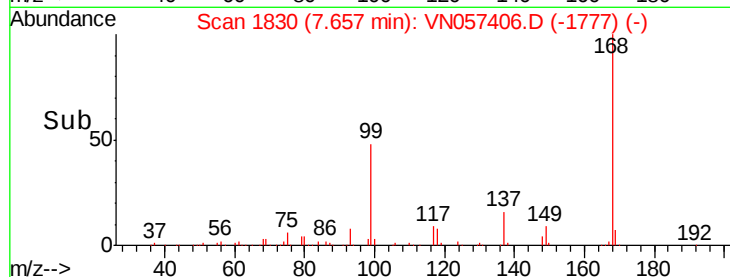
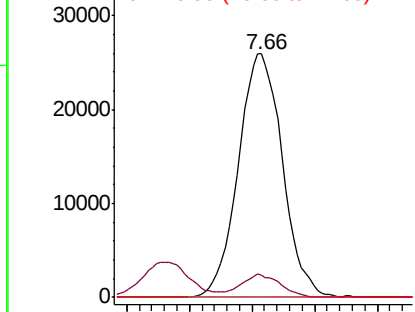
#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 T6-E2-(2)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	19.5	58.5#
77	0.0	25.0	37.6#

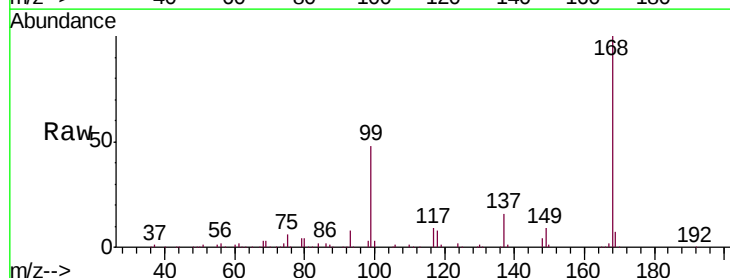


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

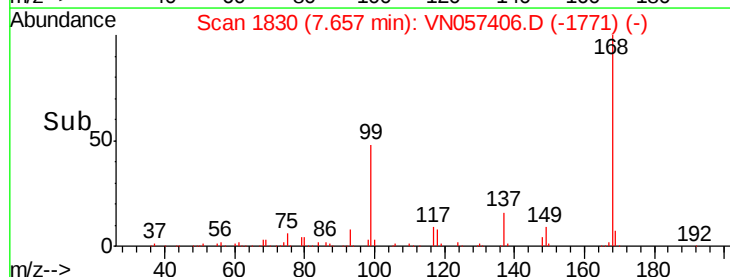
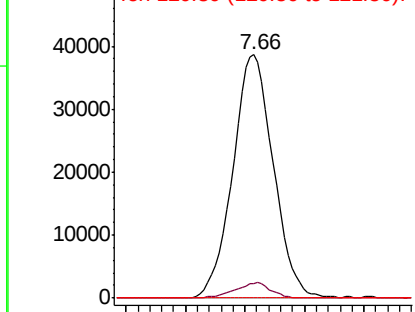


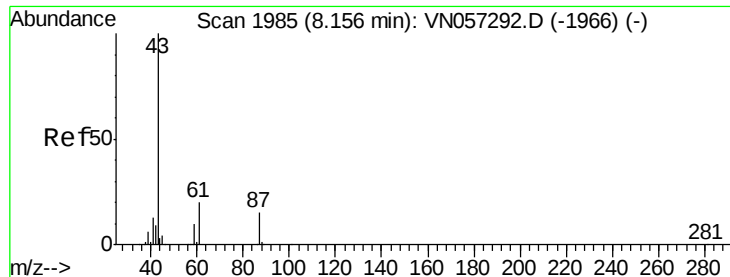
#38
 Carbon Tetrachloride
 Concen: 6.754 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	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: 16.054 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

T6-E2-(2)

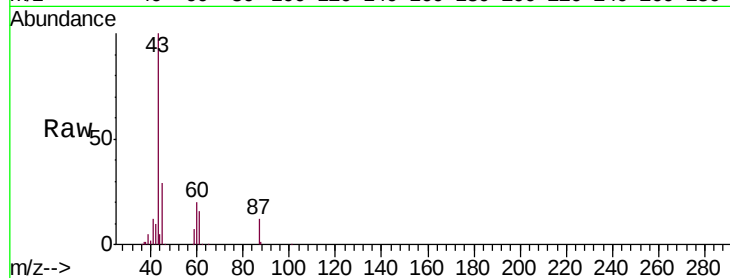
Tgt Ion: 43 Resp: 327007

Ion Ratio Lower Upper

43 100

61 9.2 21.6 32.4#

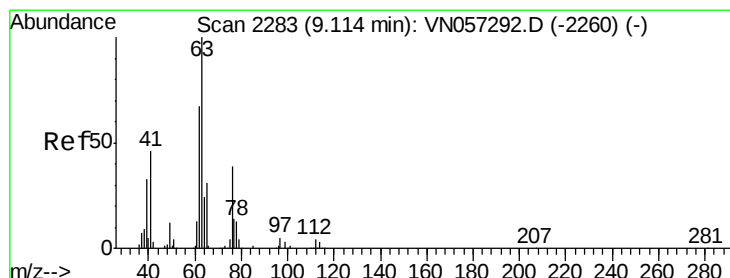
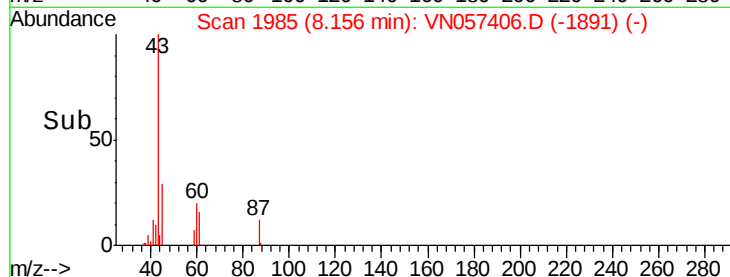
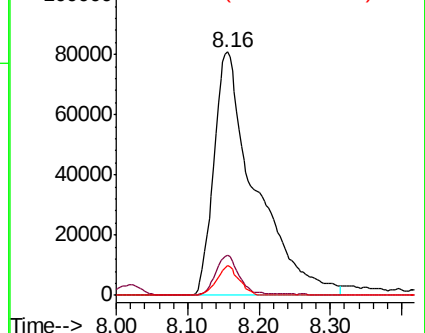
87 6.5 11.4 17.0#



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: 0.240 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.14 min

Lab File: VN057406.D

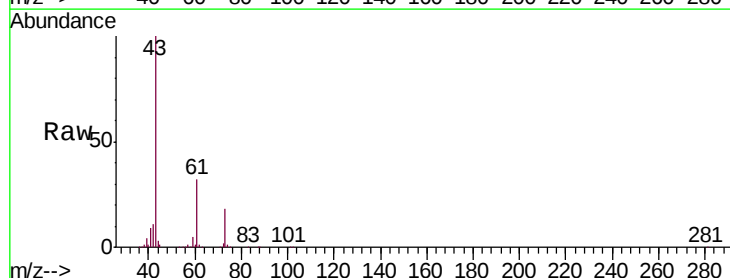
Acq: 19 Aug 2019 17:33

Tgt Ion: 63 Resp: 2456

Ion Ratio Lower Upper

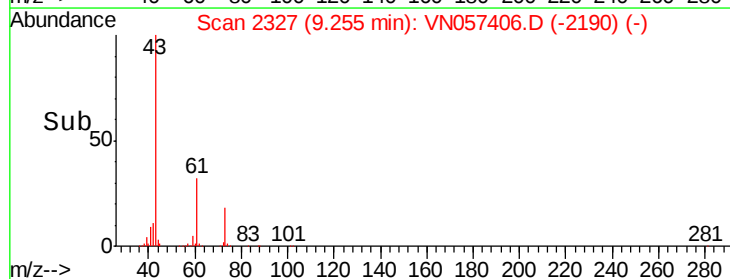
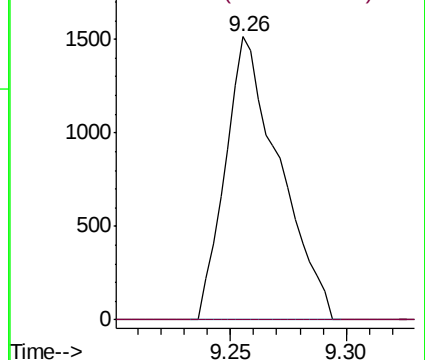
63 100

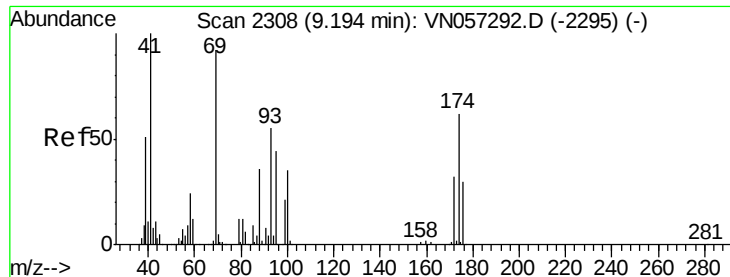
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

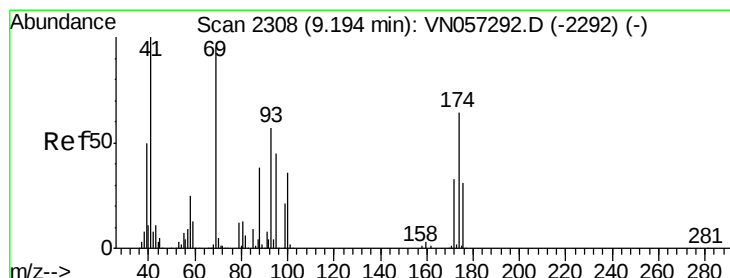
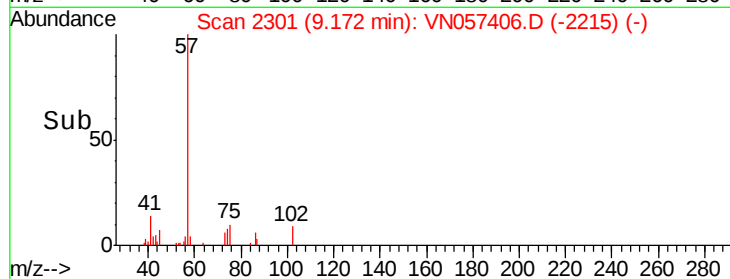
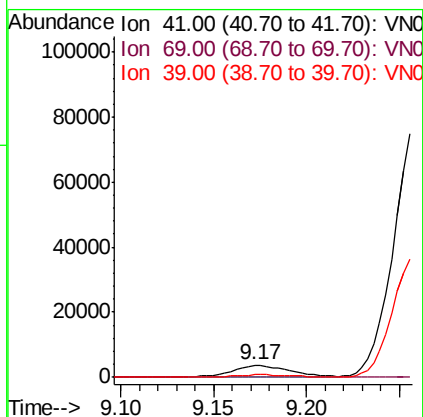
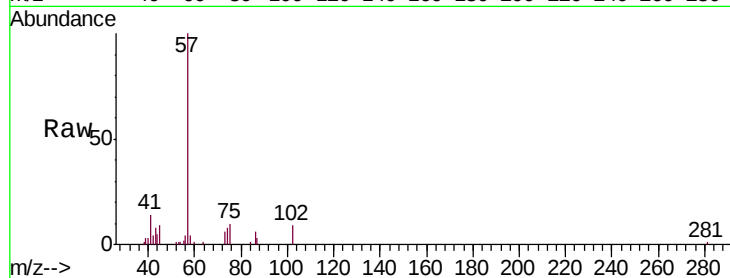




#48
Methyl methacrylate
Concen: 0.904 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

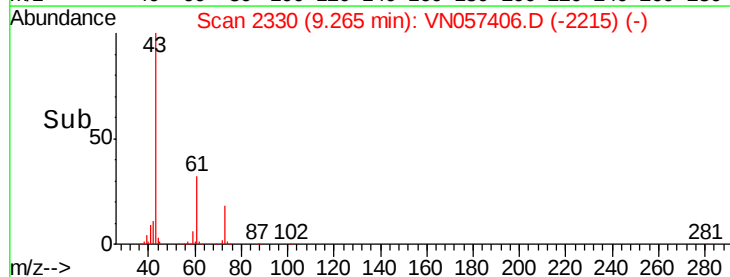
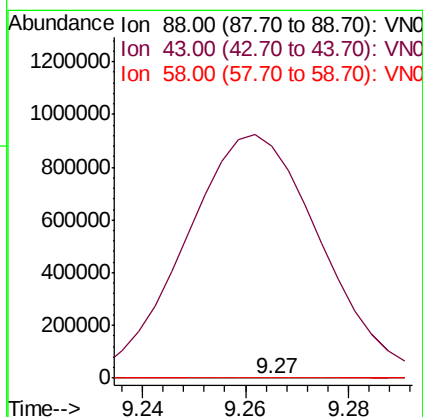
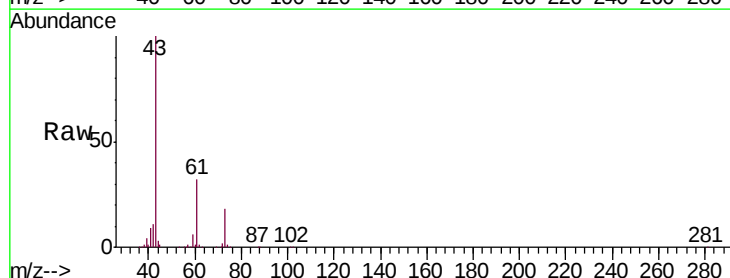
Instrument :
MSVOA_N
ClientSampleId :
T6-E2-(2)

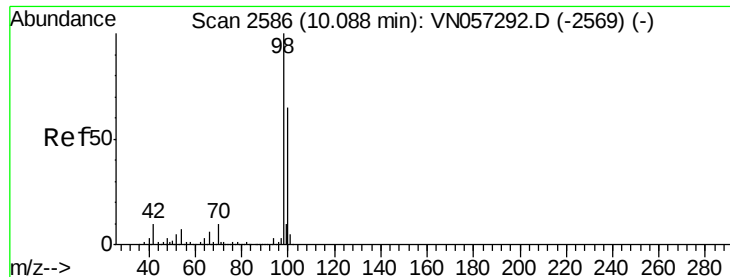
Tgt Ion: 41 Resp: 7915
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 42.3 63.5#



#49
1,4-Dioxane
Concen: 1.700 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

Tgt Ion: 88 Resp: 313
Ion Ratio Lower Upper
88 100
43 549106.7 22.9 34.3#
58 2673.2 52.7 79.1#





#50

Toluene-d8

Concen: 48.656 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

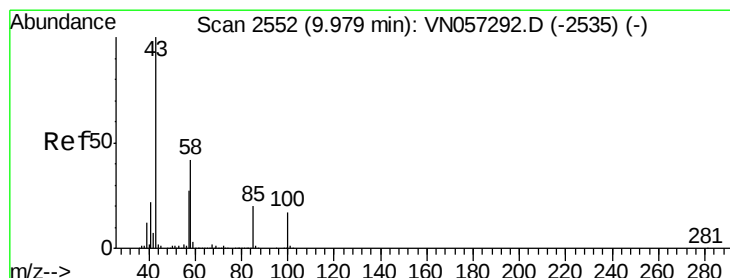
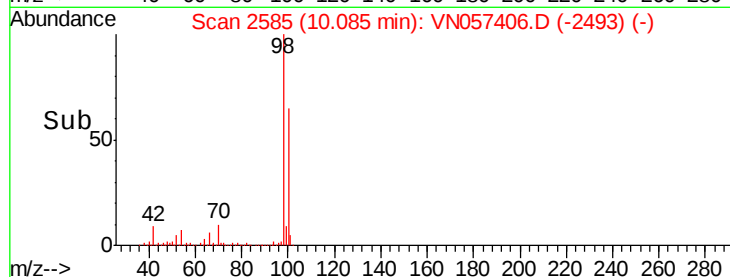
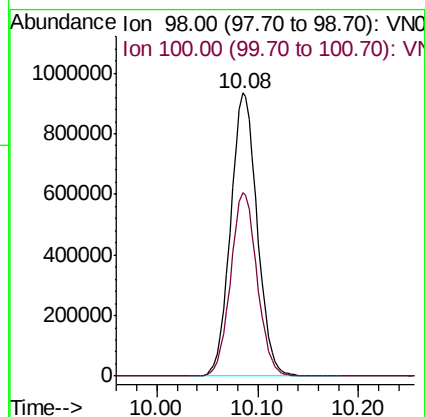
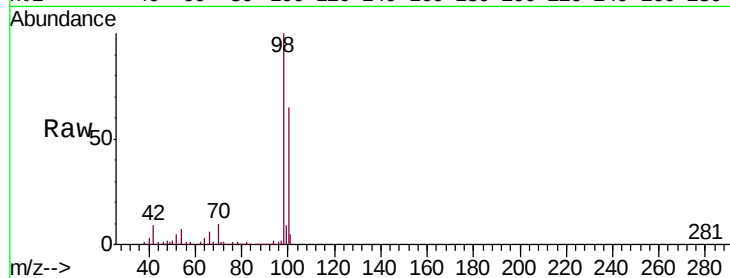
T6-E2-(2)

Tgt Ion: 98 Resp: 1714976

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.686 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057406.D

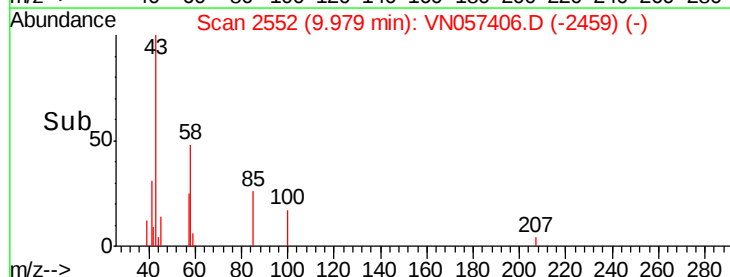
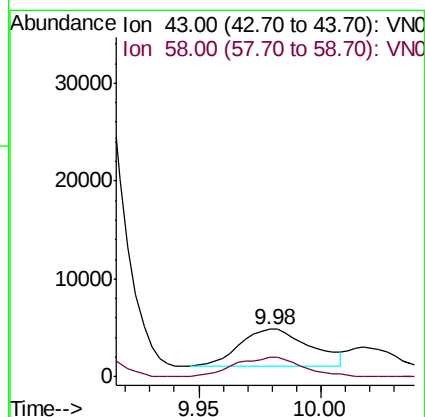
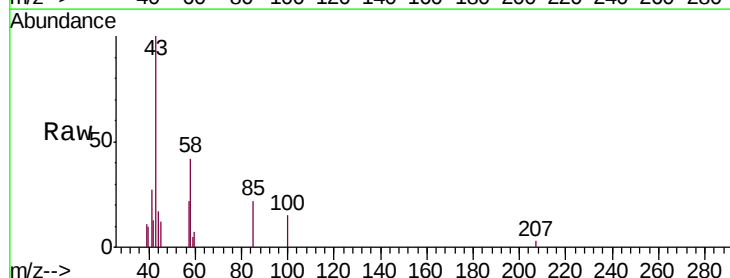
Acq: 19 Aug 2019 17:33

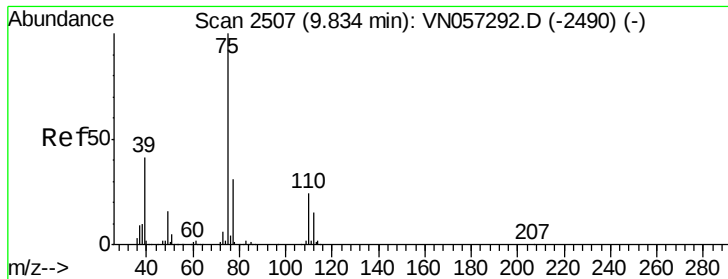
Tgt Ion: 43 Resp: 7527

Ion Ratio Lower Upper

43 100

58 52.4 33.2 49.8#



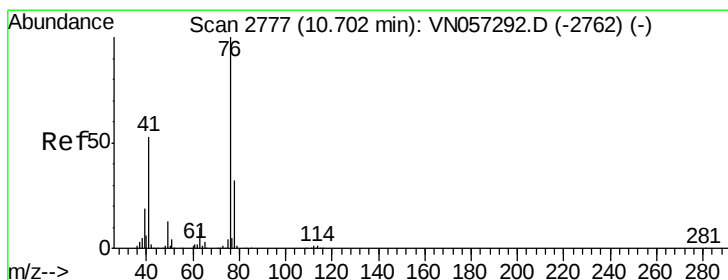
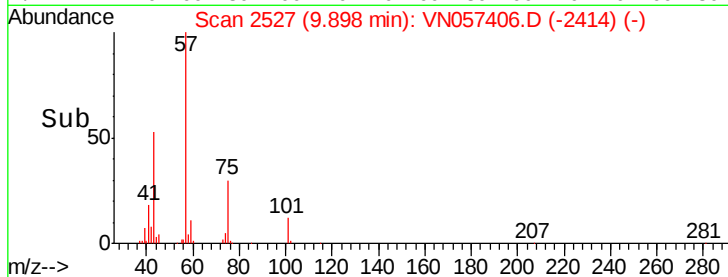
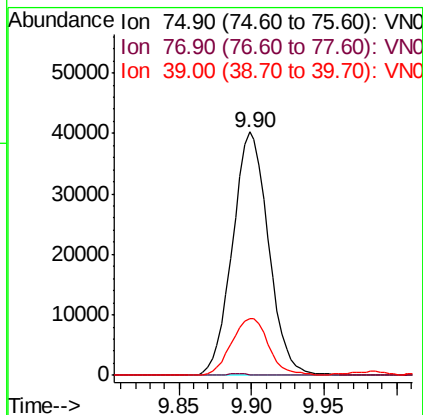
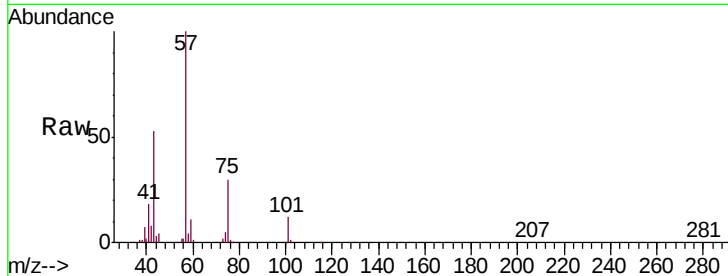


#54

cis-1,3-Dichloropropene
 Concen: 4.296 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Instrument :
 MSVOA_N
 ClientSampled :
 T6-E2-(2)

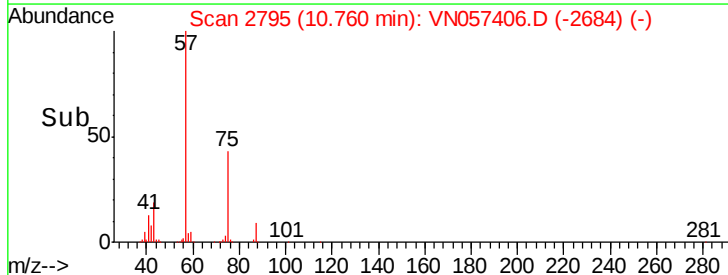
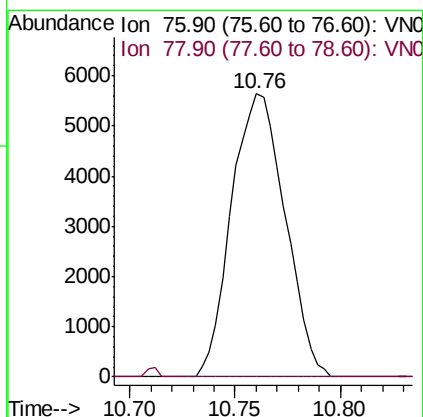
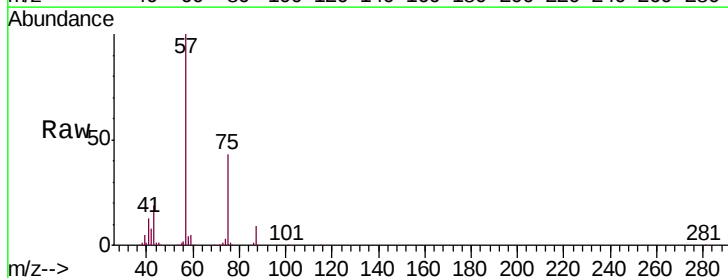
Tgt Ion: 75 Resp: 69312
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.9 37.3#
 39 23.5 32.7 49.1#

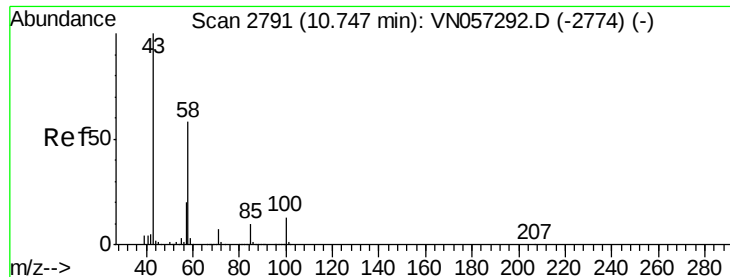


#57

1,3-Dichloropropane
 Concen: 0.613 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Tgt Ion: 76 Resp: 9953
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

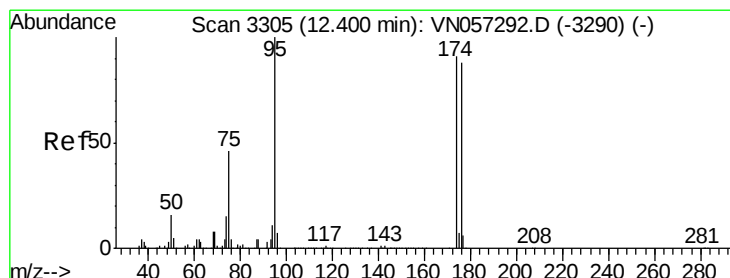
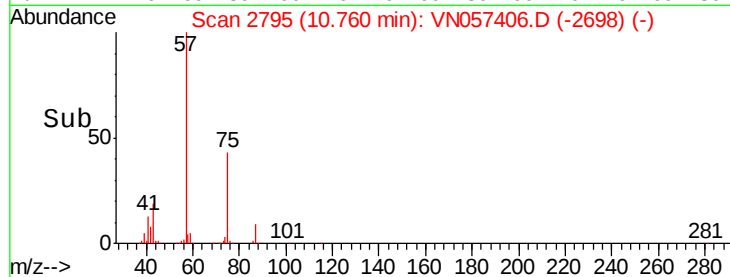
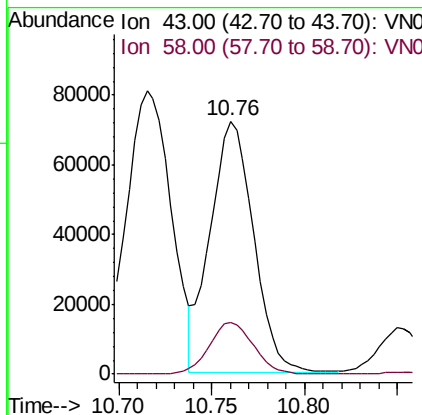
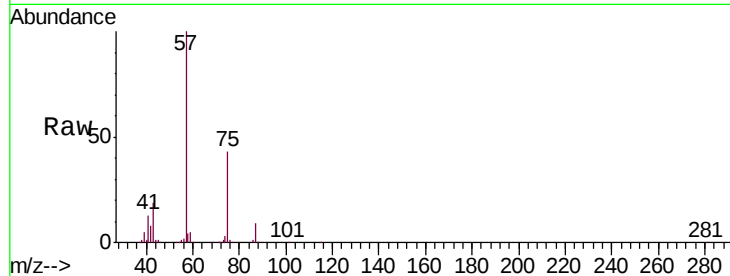




#59
2-Hexanone
Concen: 14.806 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

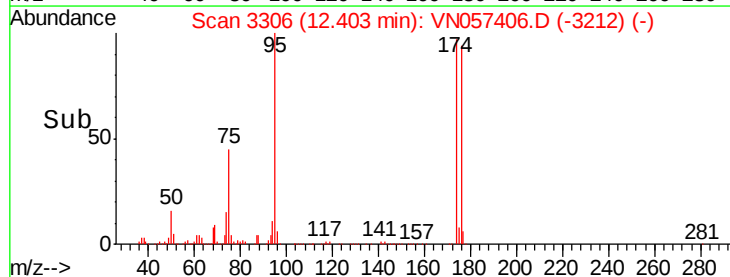
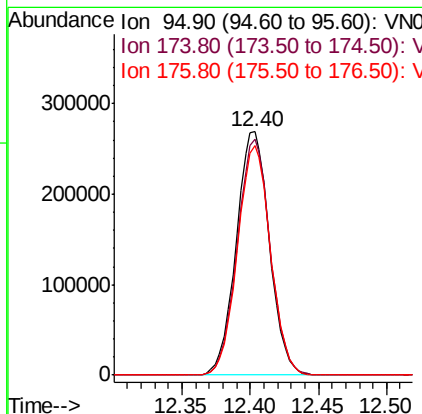
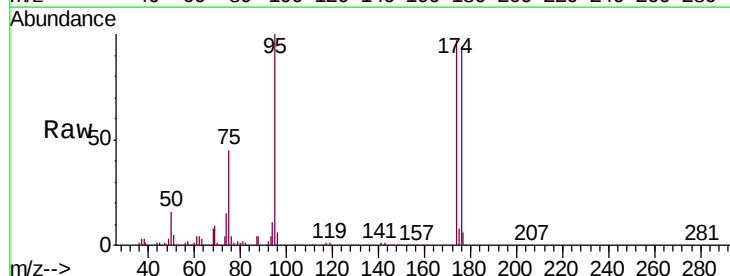
Instrument :
MSVOA_N
ClientSampled :
T6-E2-(2)

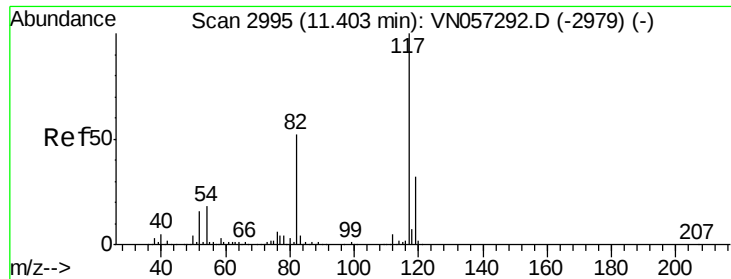
Tgt Ion: 43 Resp: 116748
Ion Ratio Lower Upper
43 100
58 21.1 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 36.417 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

Tgt Ion: 95 Resp: 453609
Ion Ratio Lower Upper
95 100
174 96.3 0.0 185.0
176 93.7 0.0 181.0

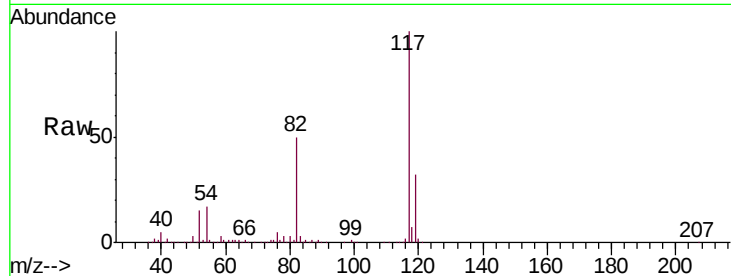




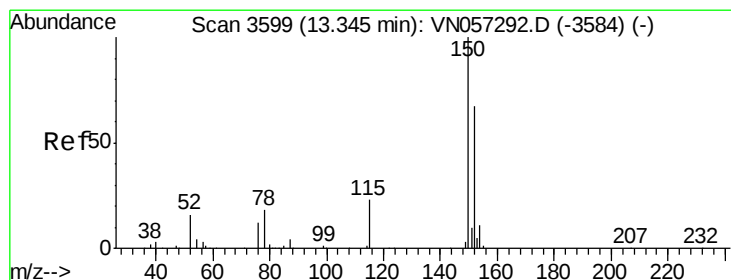
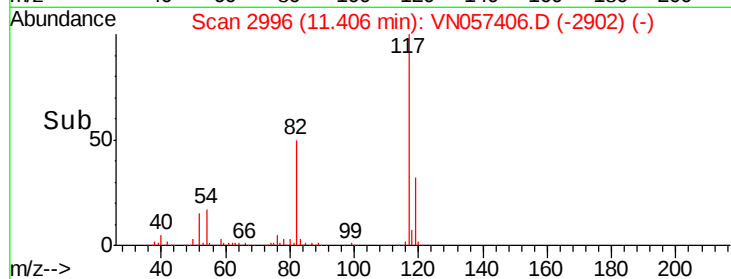
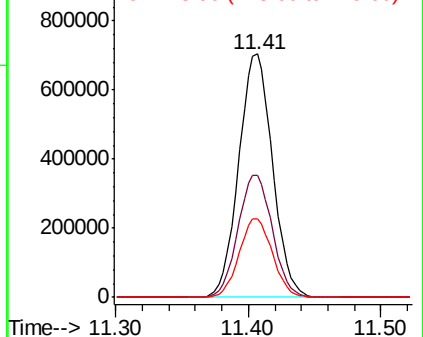
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

Instrument :
MSVOA_N
ClientSampled :
T6-E2-(2)

Tgt Ion:117 Resp: 1243735
Ion Ratio Lower Upper
117 100
82 50.0 41.2 61.8
119 32.4 25.8 38.8

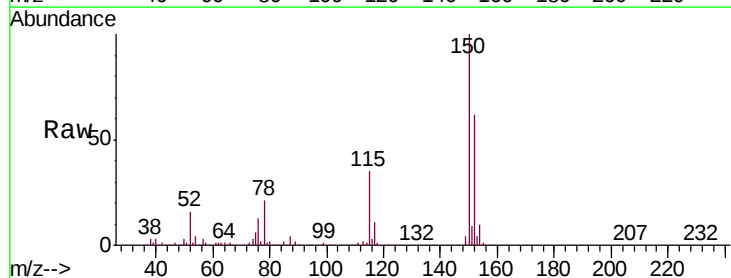


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

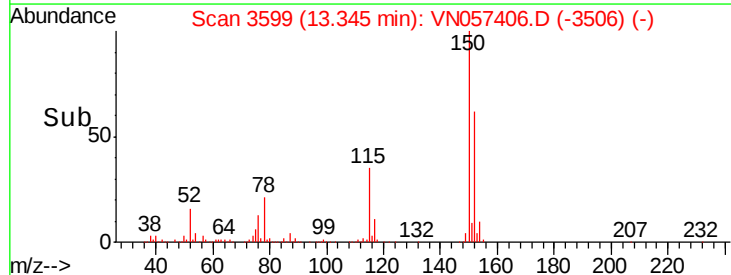
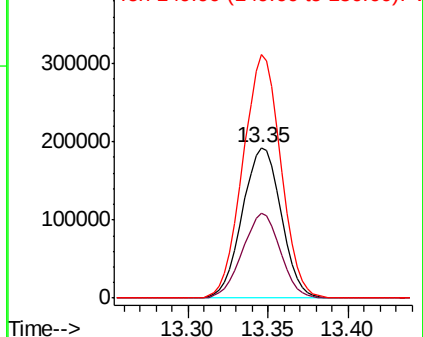


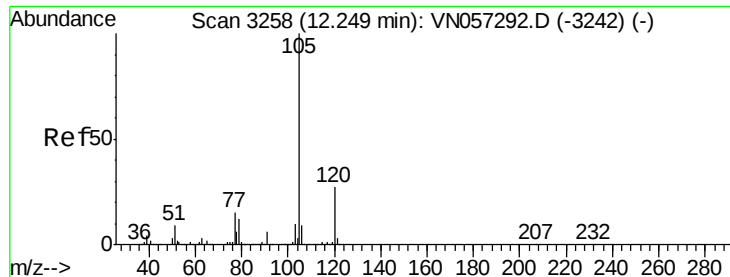
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057406.D
Acq: 19 Aug 2019 17:33

Tgt Ion:152 Resp: 320389
Ion Ratio Lower Upper
152 100
115 55.1 27.3 81.9
150 158.0 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: 12.40 min Scan# 3306

Delta R.T. 0.15 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

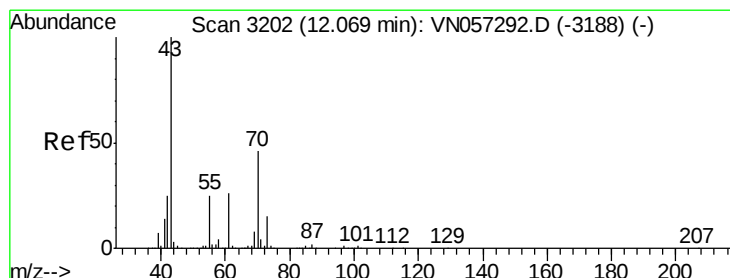
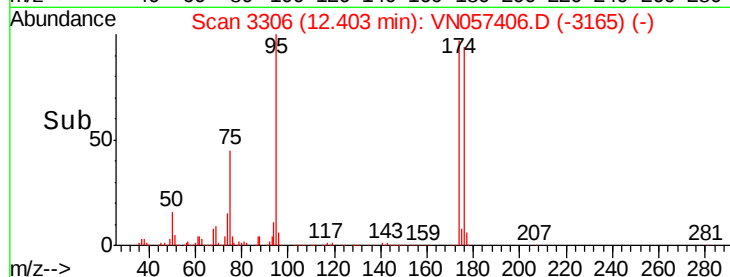
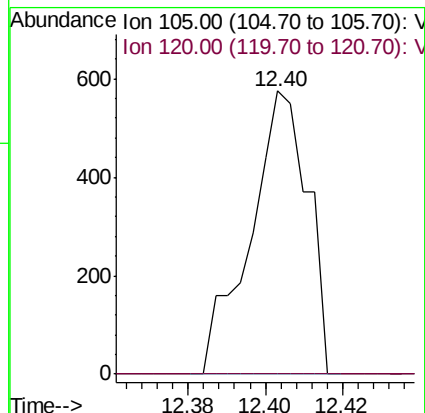
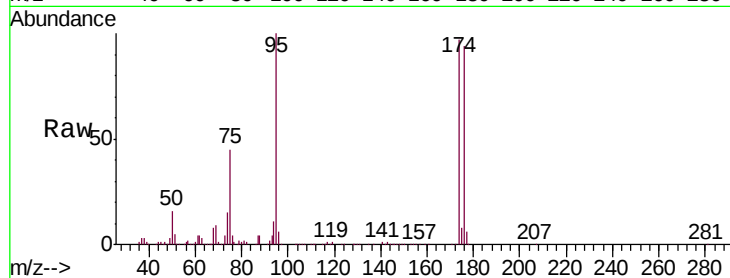
T6-E2-(2)

Tgt Ion: 105 Resp: 597

Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.6#



#74

N-ethyl acetate

Concen: 0.474 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Tgt Ion: 43 Resp: 4406

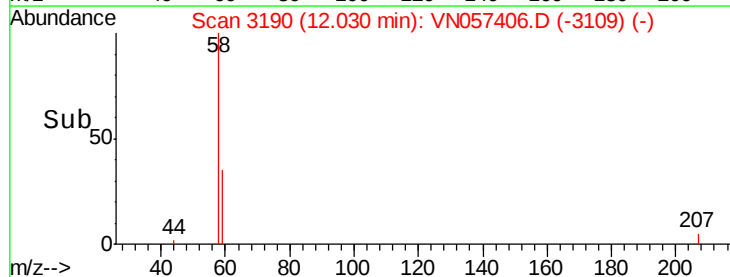
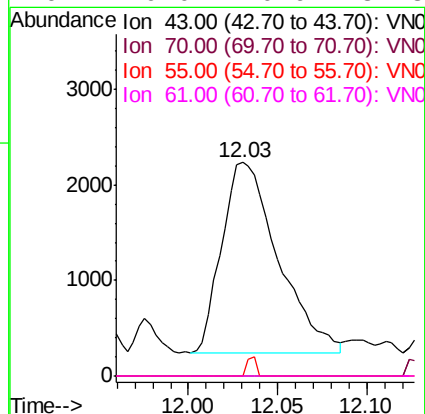
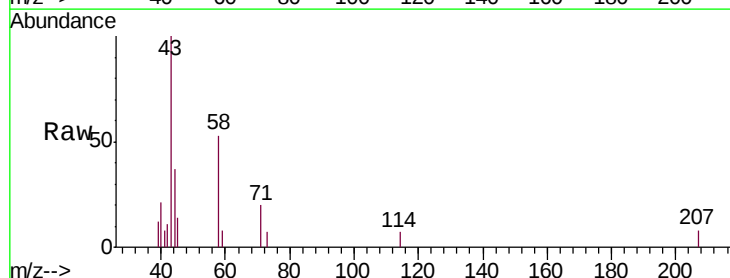
Ion Ratio Lower Upper

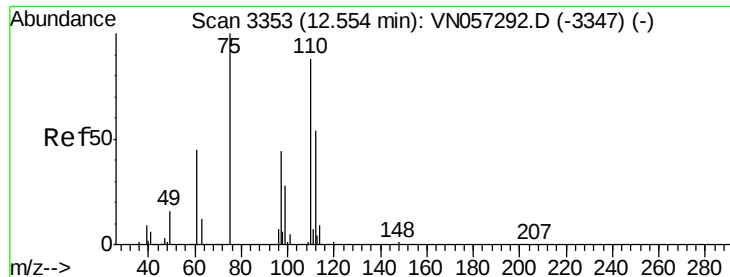
43 100

70 0.0 36.2 54.2#

55 1.6 20.1 30.1#

61 0.0 20.9 31.3#





#76

1,2,3-Trichloropropane

Concen: 32.472 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057406.D

Acq: 19 Aug 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

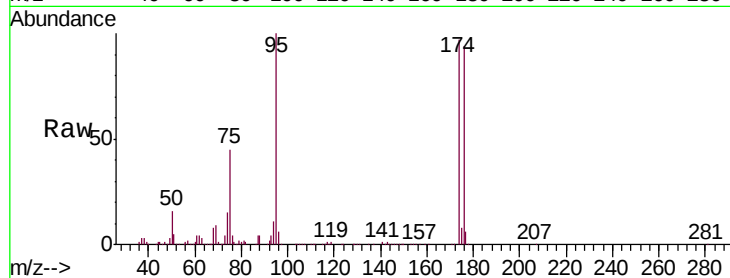
T6-E2-(2)

Tgt Ion: 75 Resp: 208974

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

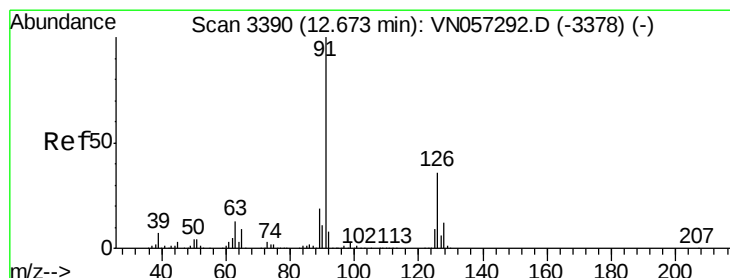
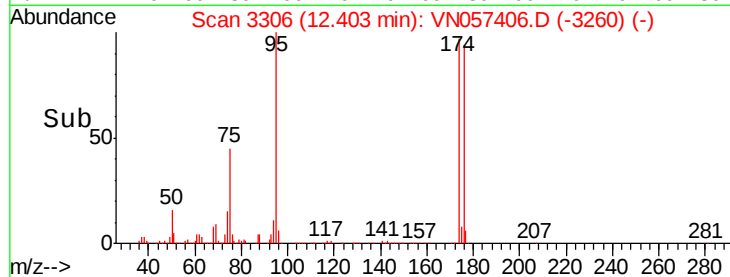
12.40

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN057406.D

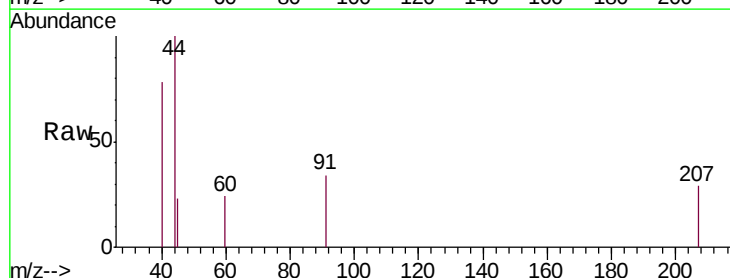
Acq: 19 Aug 2019 17:33

Tgt Ion: 91 Resp: 158

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.59

250

200

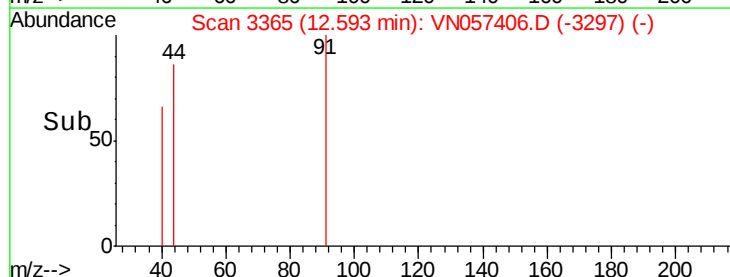
150

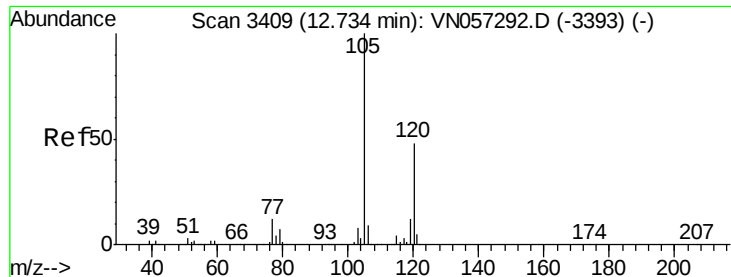
100

50

0

Time-->

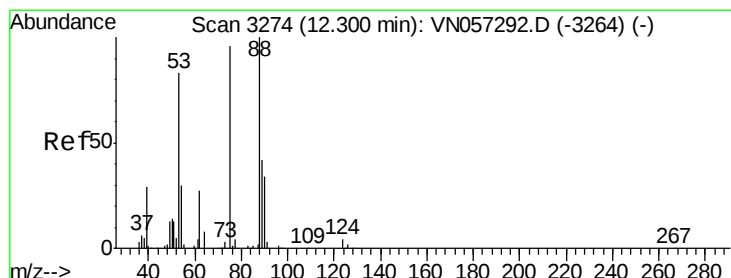
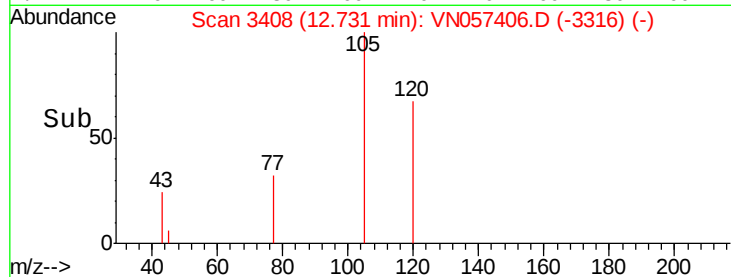
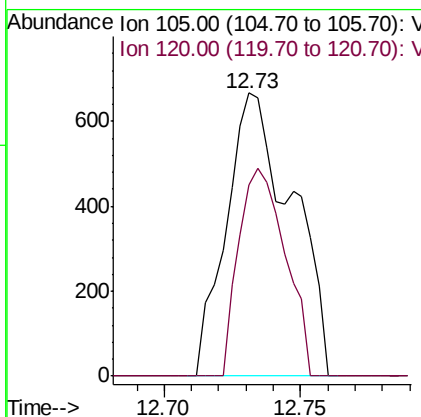
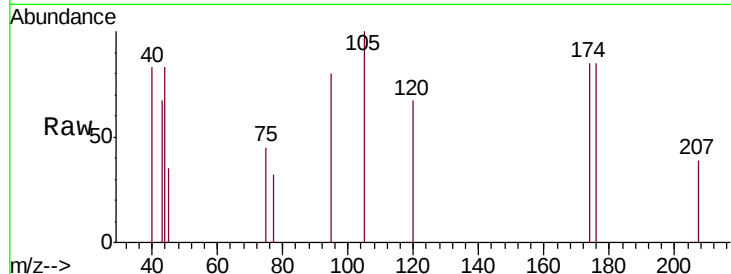




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

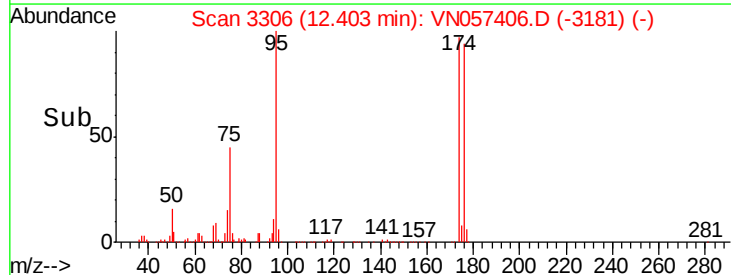
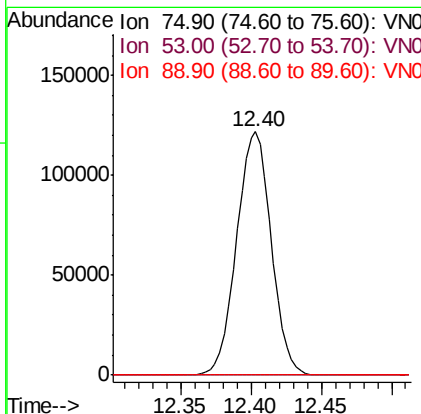
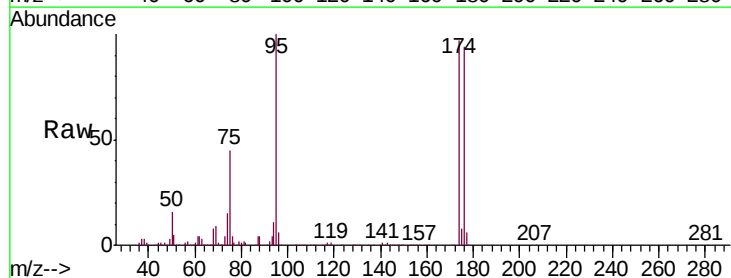
Instrument :
 MSVOA_N
 ClientSampleId :
 T6-E2-(2)

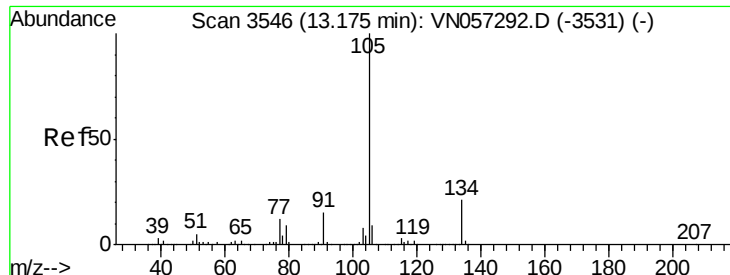
Tgt Ion: 105 Resp: 1116
 Ion Ratio Lower Upper
 105 100
 120 52.1 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.534 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Tgt Ion: 75 Resp: 208974
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.9 101.9#
 89 0.0 36.2 54.4#

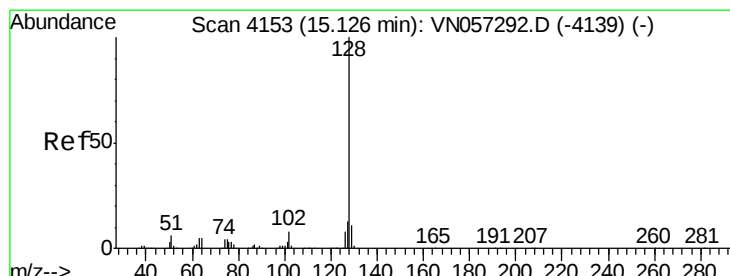
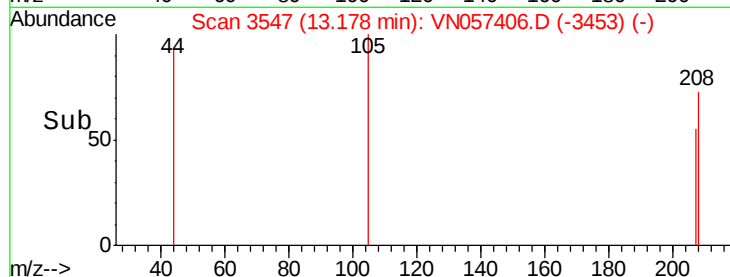
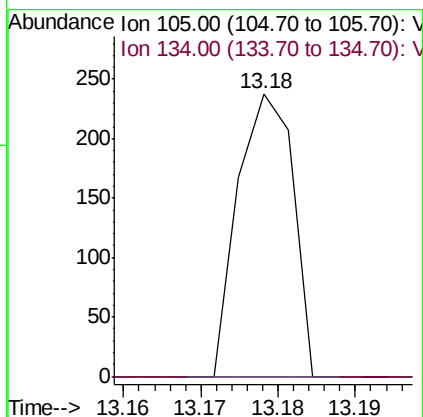
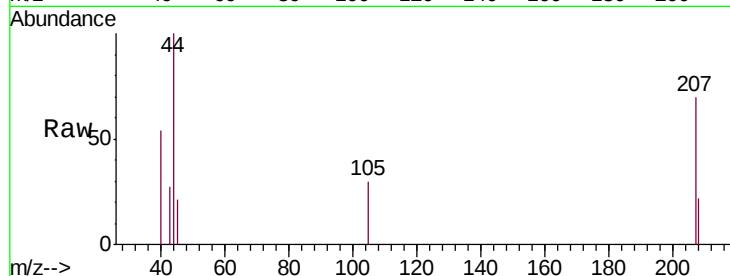




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Instrument :
 MSVOA_N
 ClientSampled :
 T6-E2-(2)

Tgt Ion:105 Resp: 118
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4153
 Delta R.T. 0.00 min
 Lab File: VN057406.D
 Acq: 19 Aug 2019 17:33

Tgt Ion:128 Resp: 206
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.8 13.2#

