

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
 Data File : VN057483.D
 Acq On : 23 Aug 2019 20:02
 Operator : JC/SP
 Sample : K4472-27
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S4(0)

Quant Time: Aug 26 05:13:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	406597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	716100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	145836	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	343380	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	7.57	113	232642	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.08	98	904895	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	241383	38.95	ug/l	0.00
Spiked Amount			Recovery	=	77.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	1863	Below Cal		85
9) 1,1,2-Trichlorotrifluoroet	3.73	101	146	Below Cal	#	34
11) Tert butyl alcohol	4.78	59	312	0.351	ug/l #	1
13) Acrolein	3.57	56	167	0.214	ug/l #	1
16) Acetone	3.80	43	32532	9.904	ug/l #	86
18) Methyl Acetate	4.30	43	4044	Below Cal		95
20) Methylene Chloride	4.52	84	9092	1.795	ug/l #	92
25) 2-Butanone	6.84	43	931	0.261	ug/l #	86
31) Cyclohexane	7.65	56	12876	1.282	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	40381	5.519	ug/l #	51
38) Carbon Tetrachloride	7.65	117	45782	6.298	ug/l #	15
43) Isopropyl Acetate	8.16	43	82688	6.237	ug/l	98
46) Dibromomethane	9.19	93	77	Below Cal	#	15
48) Methyl methacrylate	9.17	41	4889	0.776	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	6338	0.858	ug/l	91
52) Toluene	10.15	92	2776	0.219	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	36627	3.849	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	3691	0.414	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.65	63	30	17.077	ug/l #	52
59) 2-Hexanone	10.76	43	67347	13.289	ug/l #	55
71) Bromoform	12.40	173	709	0.231	ug/l #	1
73) Isopropylbenzene	12.26	105	73	Below Cal	#	50
74) N-amyl acetate	12.03	43	1880	Below Cal	#	56
75) 1,1,2,2-Tetrachloroethane	12.50	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	144333	44.286	ug/l #	100
78) n-propylbenzene	12.60	91	549	Below Cal		84
79) 2-Chlorotoluene	12.81	91	73	Below Cal		81
80) 1,3,5-Trimethylbenzene	12.74	105	989	Below Cal		86
81) trans-1,4-Dichloro-2-buten	12.40	75	144333	113.624	ug/l #	8
82) 4-Chlorotoluene	12.81	91	73	Below Cal		80
83) tert-Butylbenzene	13.00	119	260	Below Cal	#	22
85) sec-Butylbenzene	13.18	105	578	Below Cal	#	58
90) Hexachloroethane	14.06	117	36	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.14	75	30	Below Cal	#	11

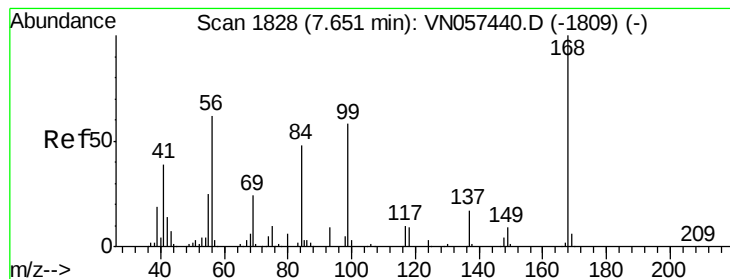
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
Data File : VN057483.D
Acq On : 23 Aug 2019 20:02
Operator : JC/SP
Sample : K4472-27
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T1-S4(0)

Quant Time: Aug 26 05:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	384	5.560	ug/l #	58
94) Hexachlorobutadiene	15.01	225	186	Below Cal	#	18
95) Naphthalene	15.12	128	508	4.419	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.30	180	311	5.269	ug/l #	73

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

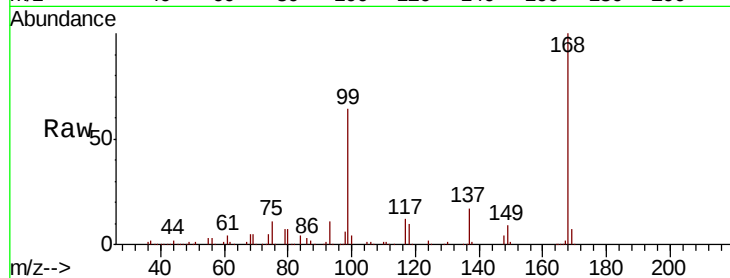
T1-S4(0)

Tgt Ion:168 Resp: 406597

Ion Ratio Lower Upper

168 100

99 64.2 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

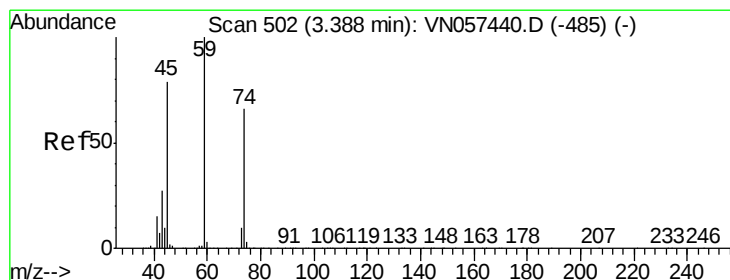
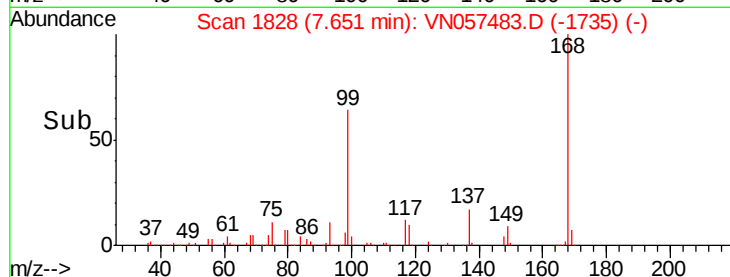
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN057483.D

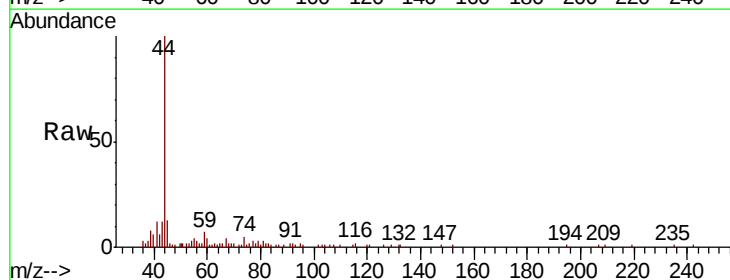
Acq: 23 Aug 2019 20:02

Tgt Ion: 74 Resp: 1863

Ion Ratio Lower Upper

74 100

45 98.9 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN057440.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN057440.D (-485) (-)

3.39

2500

2000

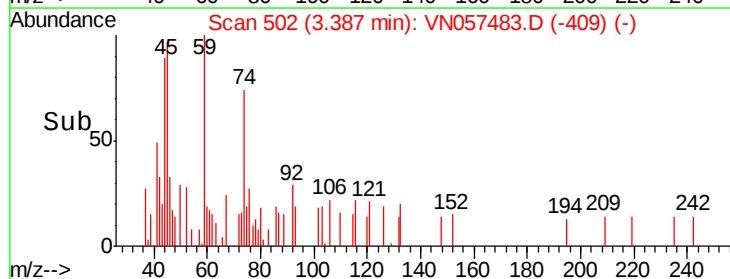
1500

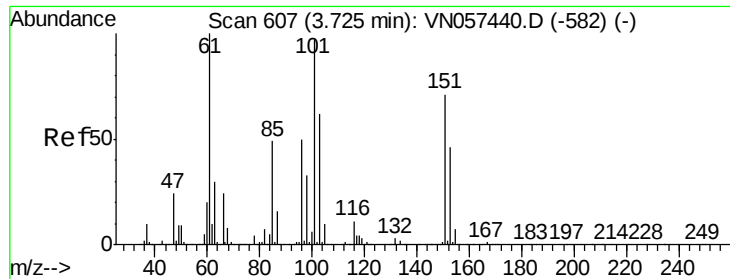
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

T1-S4(0)

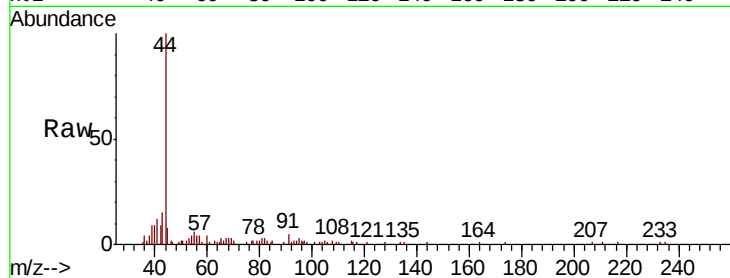
Tgt Ion:101 Resp: 146

Ion Ratio Lower Upper

101 100

85 0.0 40.0 60.0#

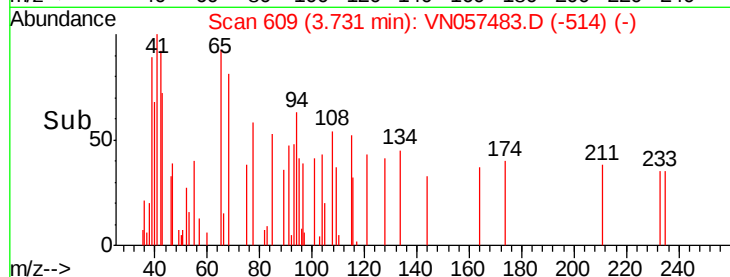
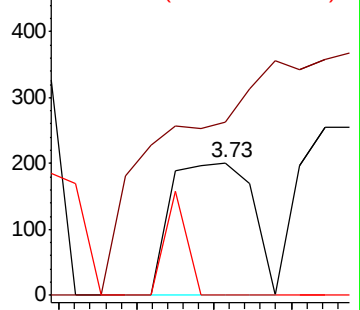
151 20.5 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.351 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.01 min

Lab File: VN057483.D

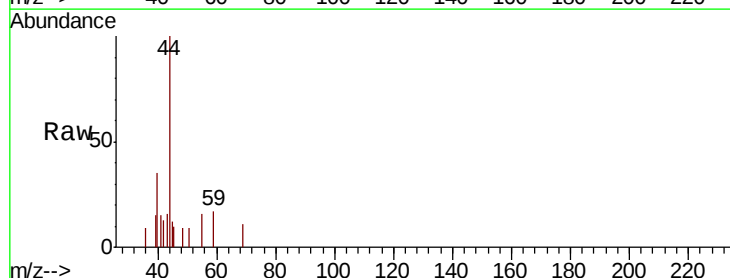
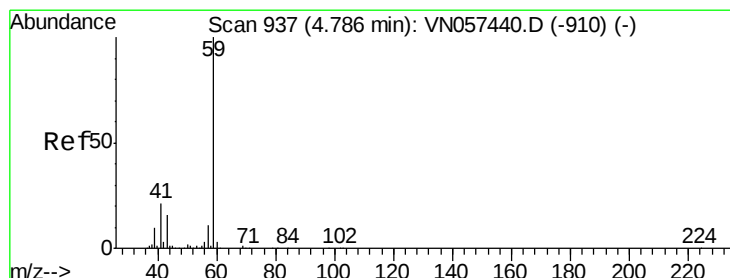
Acq: 23 Aug 2019 20:02

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

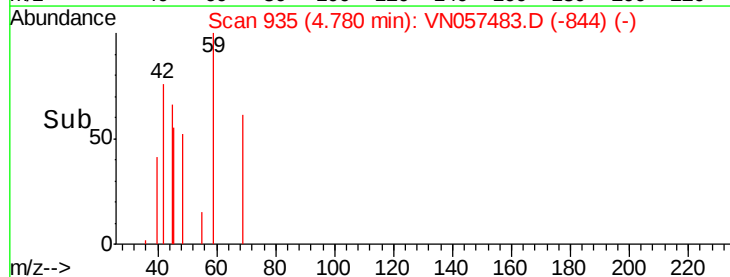
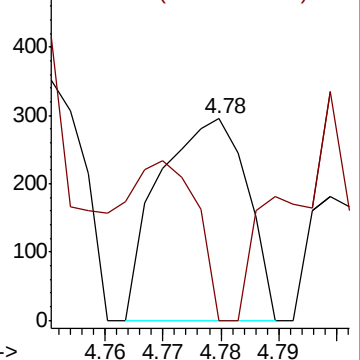
59 100

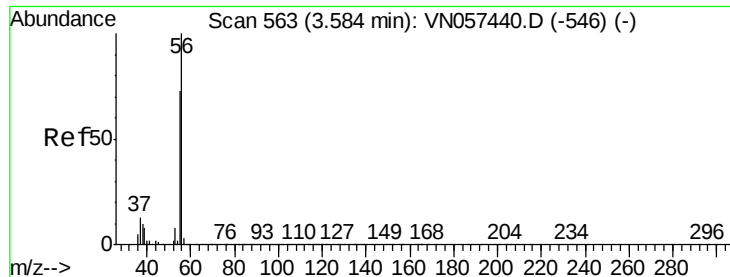
57 61.9 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.214 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

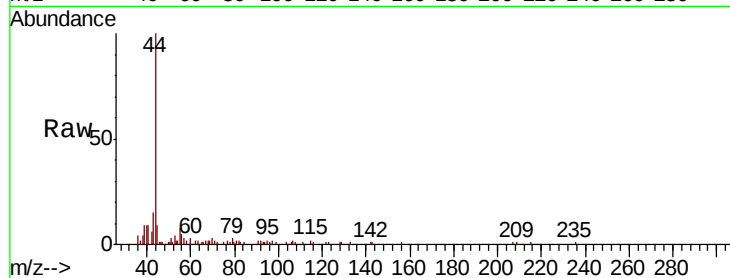
T1-S4(0)

Tgt Ion: 56 Resp: 167

Ion Ratio Lower Upper

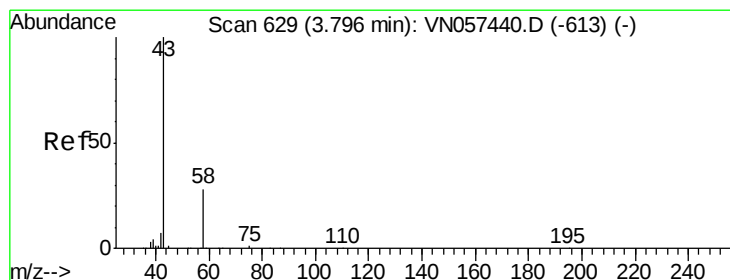
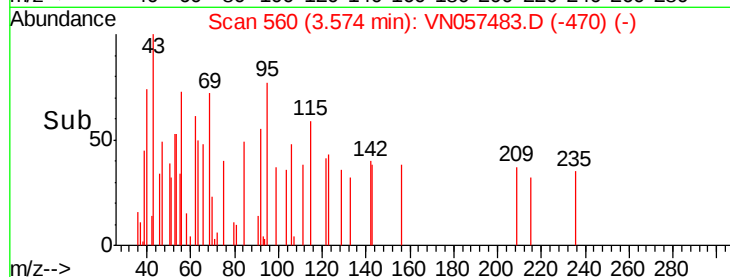
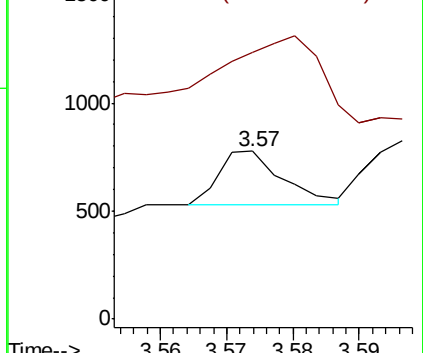
56 100

55 555.7 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 9.904 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057483.D

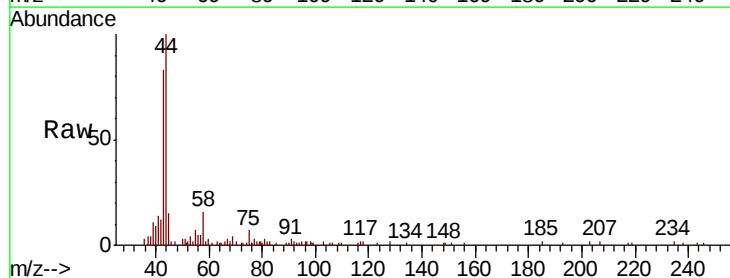
Acq: 23 Aug 2019 20:02

Tgt Ion: 43 Resp: 32532

Ion Ratio Lower Upper

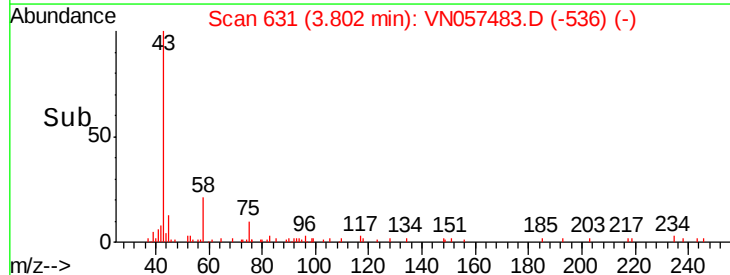
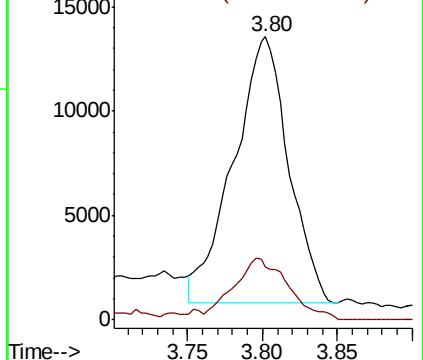
43 100

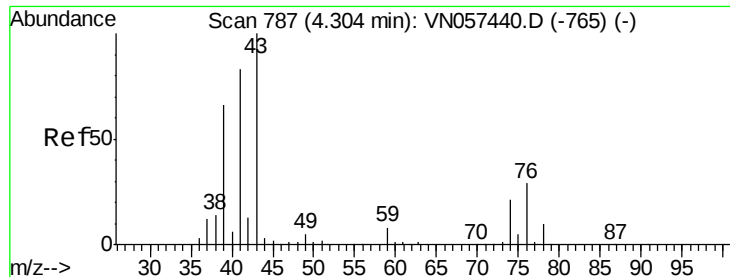
58 20.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

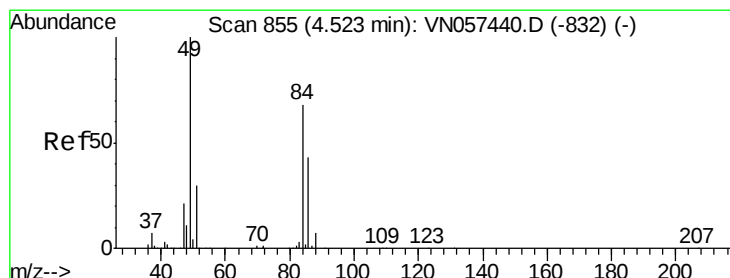
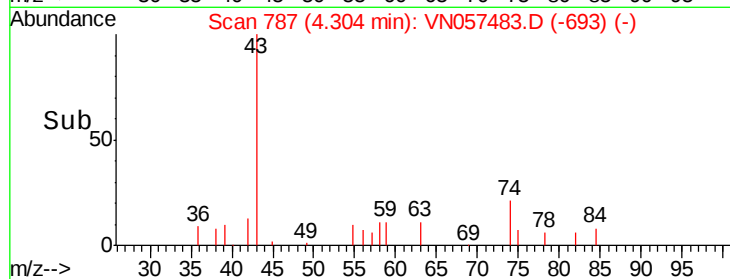
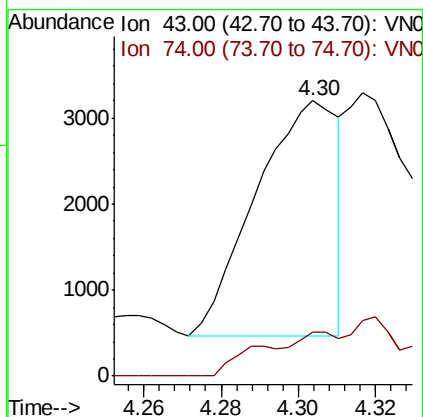
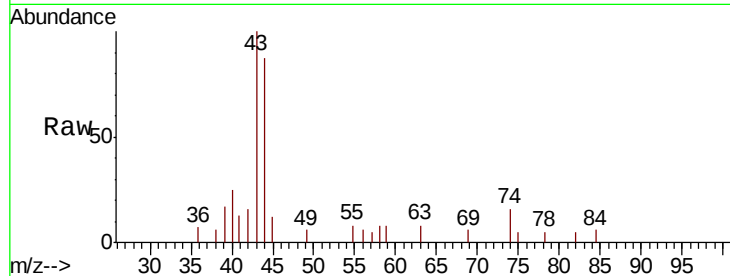




#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

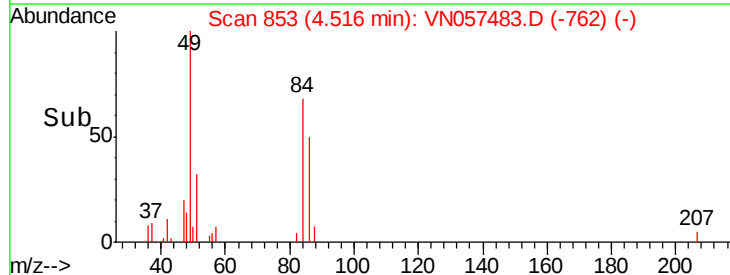
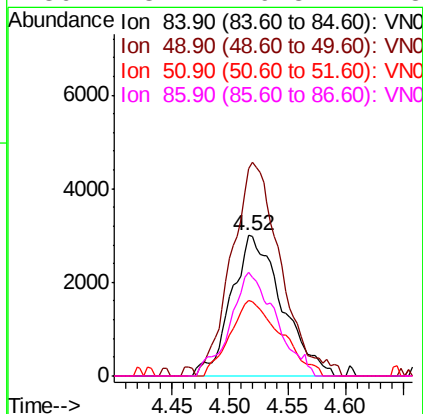
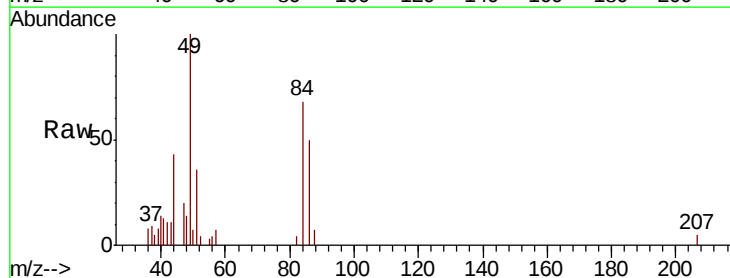
Instrument :
MSVOA_N
ClientSampled :
T1-S4(0)

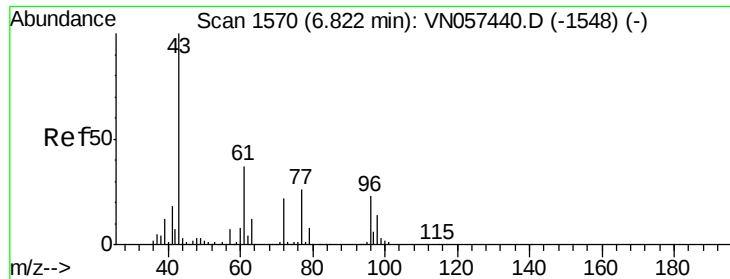
Tgt Ion: 43 Resp: 4044
Ion Ratio Lower Upper
43 100
74 17.4 15.9 23.9



#20
Methylene Chloride
Concen: 1.795 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

Tgt Ion: 84 Resp: 9092
Ion Ratio Lower Upper
84 100
49 141.3 117.0 175.4
51 53.6 35.5 53.3#
86 73.4 49.8 74.8

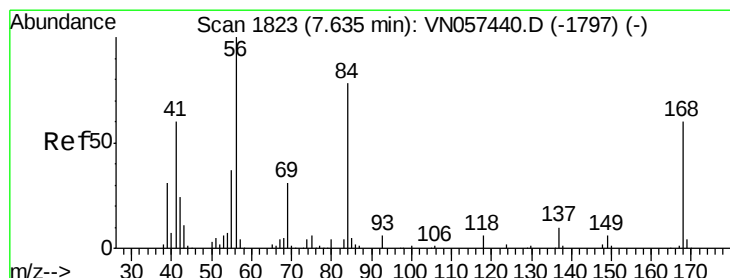
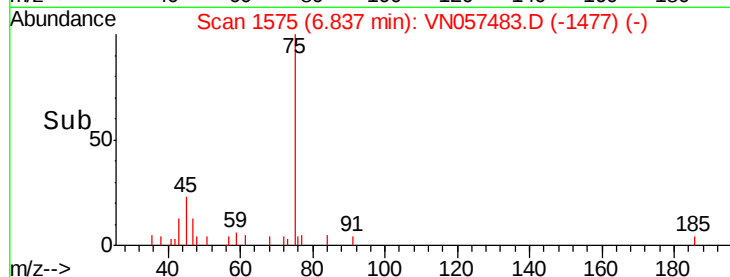
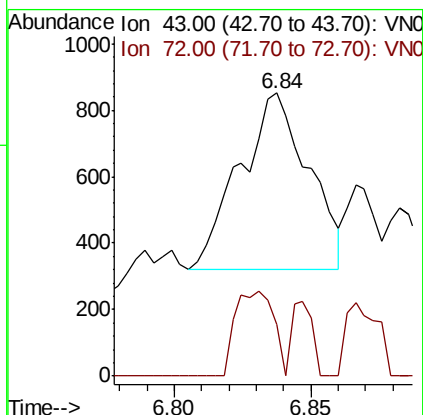
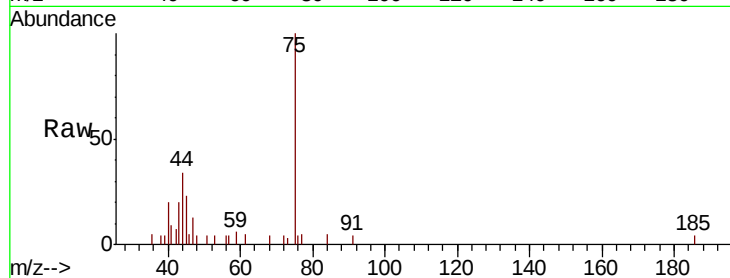




#25
2-Butanone
Concen: 0.261 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

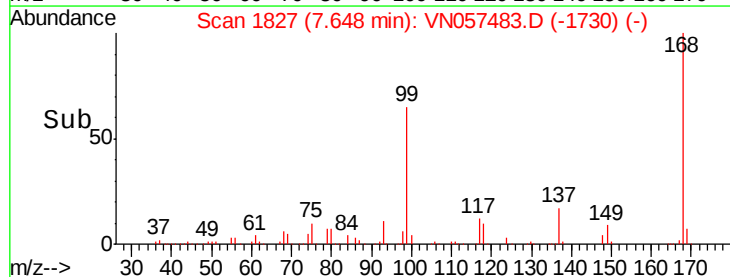
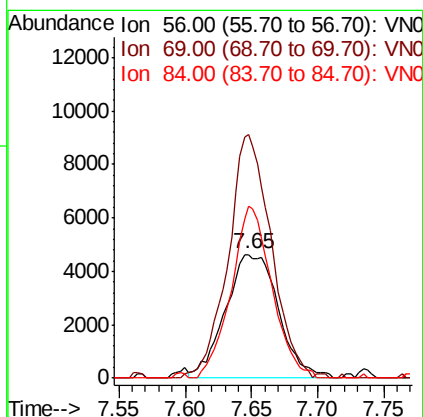
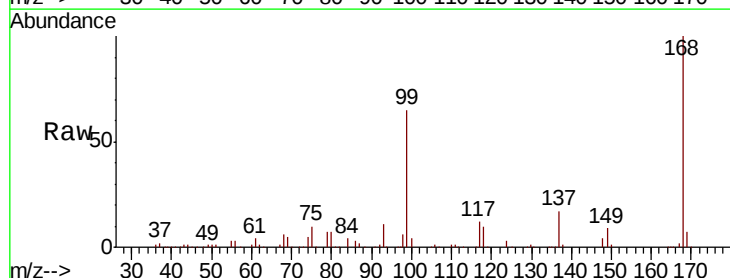
Instrument :
MSVOA_N
ClientSampleId :
T1-S4(0)

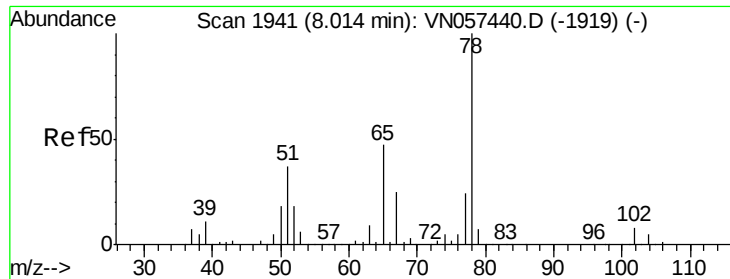
Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
72 29.0 17.8 26.8#



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

Tgt Ion: 56 Resp: 12876
Ion Ratio Lower Upper
56 100
69 196.5 25.0 37.6#
84 138.5 62.5 93.7#

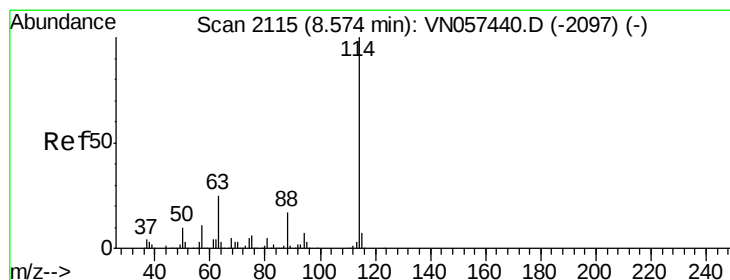
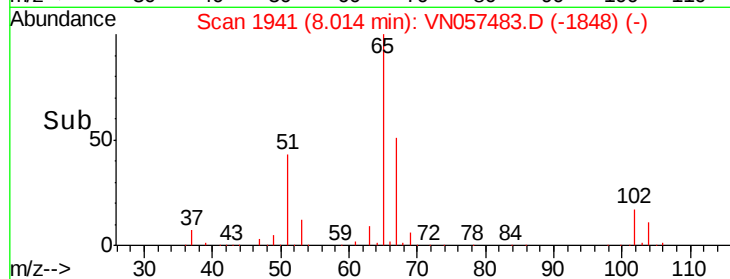
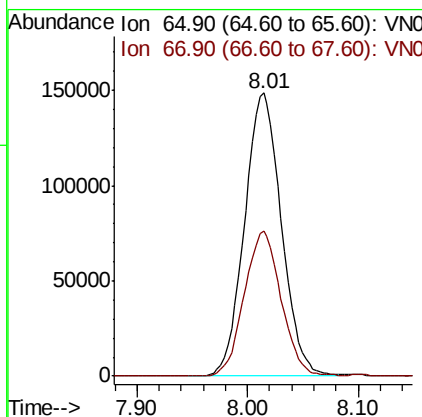
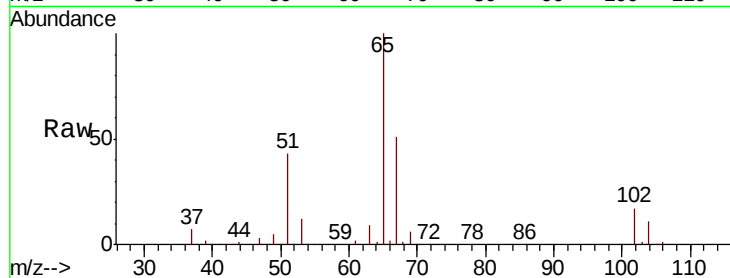




#33
 1,2-Dichloroethane-d4
 Concen: 48.008 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

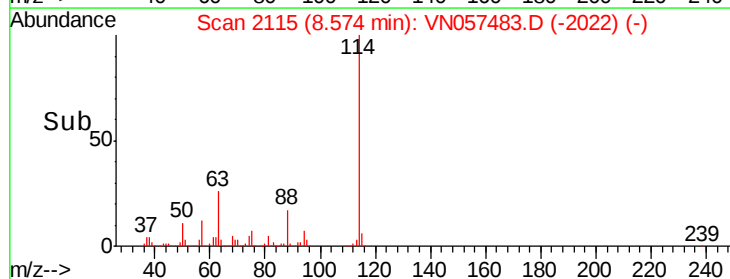
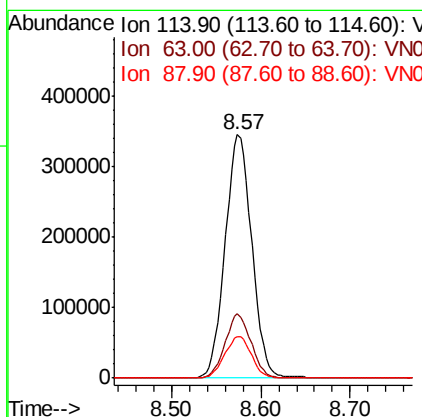
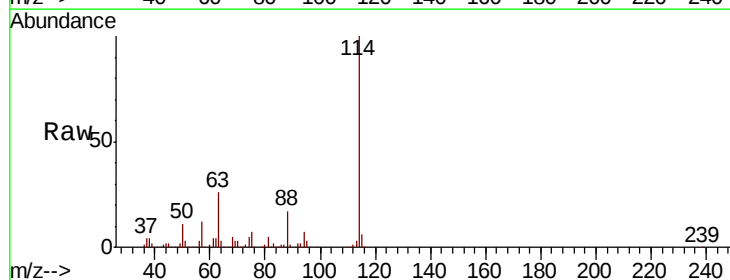
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S4(0)

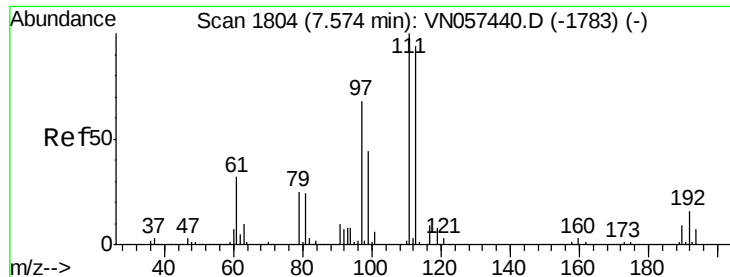
Tgt Ion: 65 Resp: 343380
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

Tgt Ion: 114 Resp: 716100
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 50.2
 88 17.1 0.0 34.6

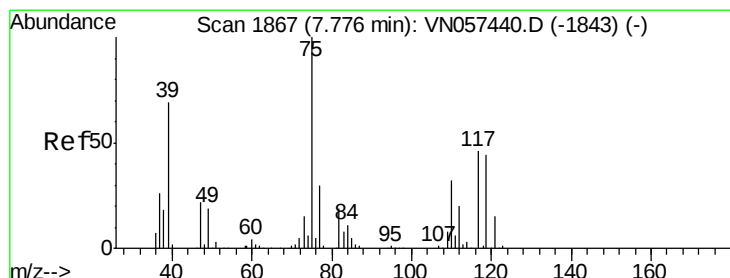
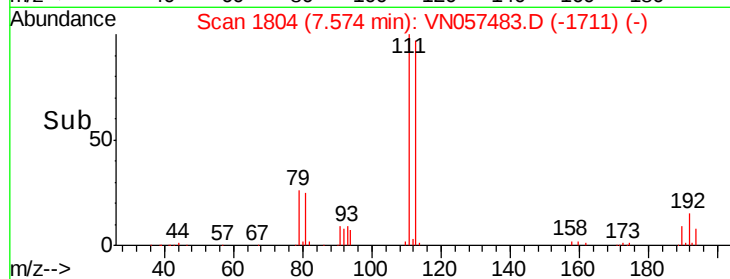
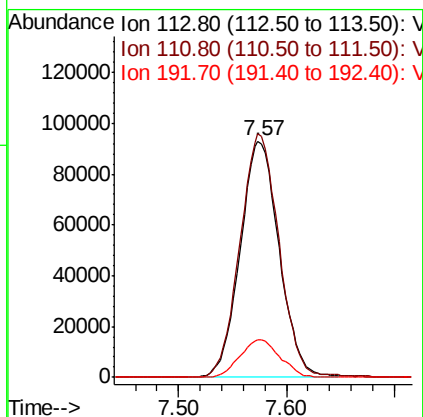
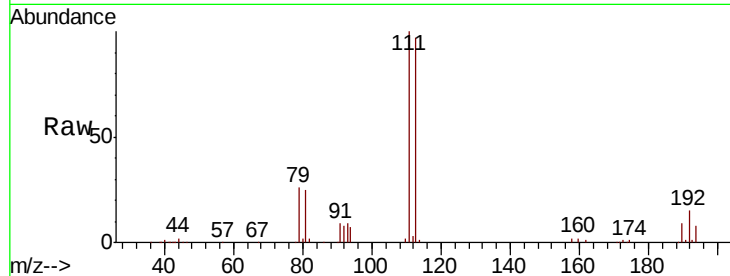




#35
 Dibromofluoromethane
 Concen: 48.097 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

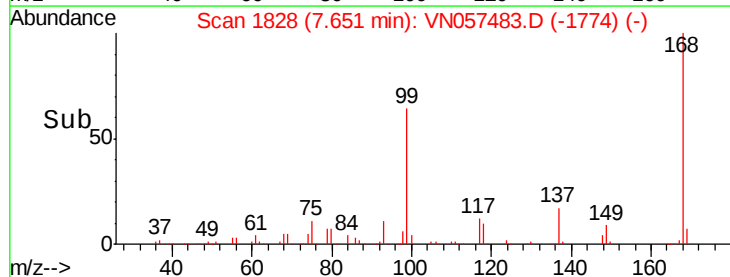
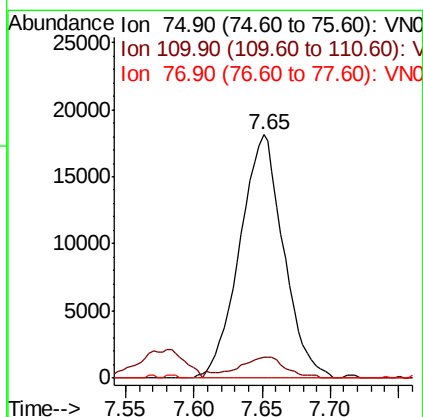
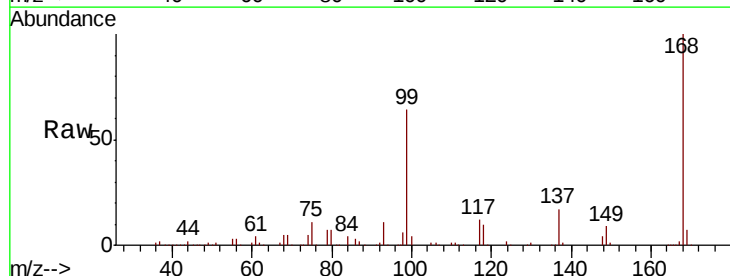
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S4(0)

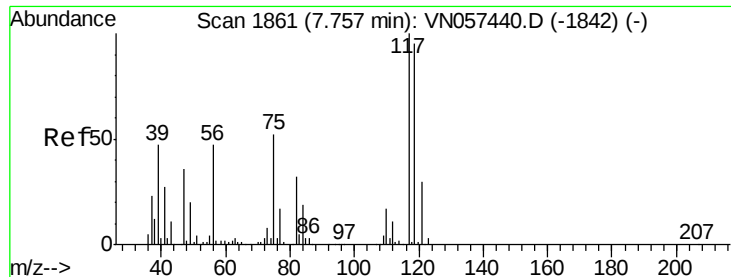
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.8	125.6
192	16.4	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 5.519 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.1	48.3#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.298 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampled :

T1-S4(0)

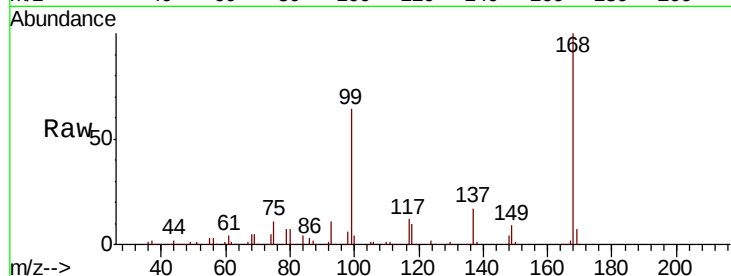
Tgt Ion:117 Resp: 45782

Ion Ratio Lower Upper

117 100

119 3.5 76.2 114.4#

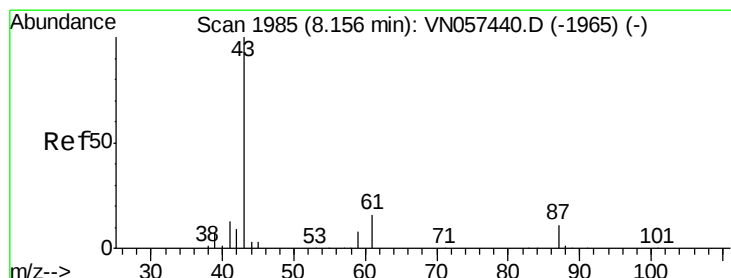
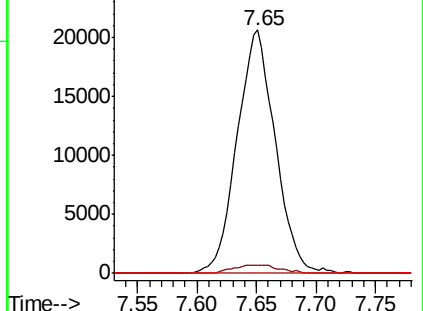
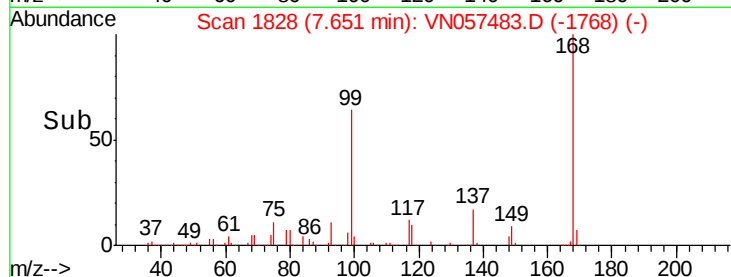
121 0.0 23.8 35.6#



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: 6.237 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

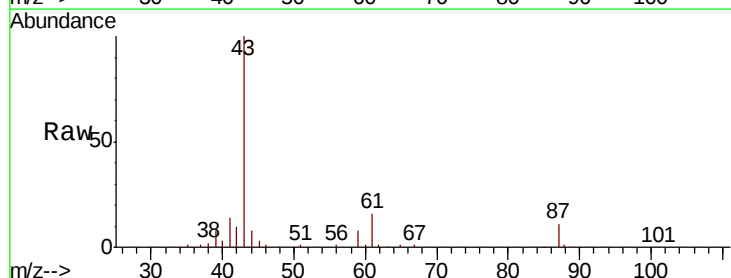
Tgt Ion: 43 Resp: 82688

Ion Ratio Lower Upper

43 100

61 17.6 14.5 21.7

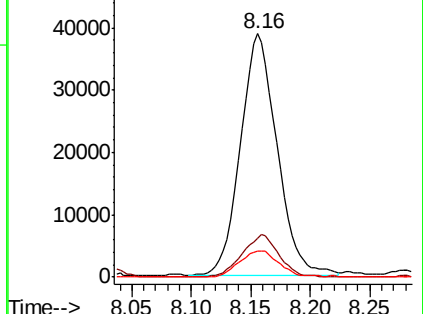
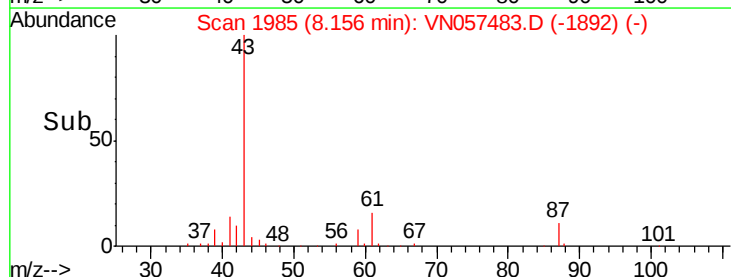
87 11.6 8.6 12.8

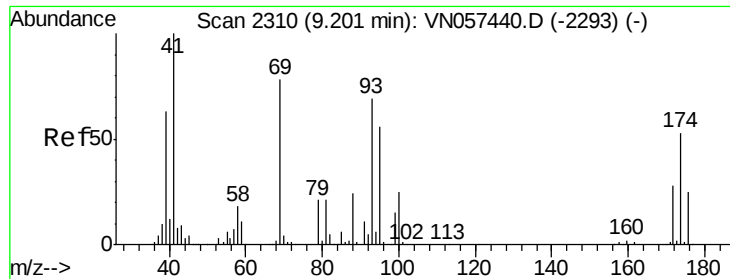


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

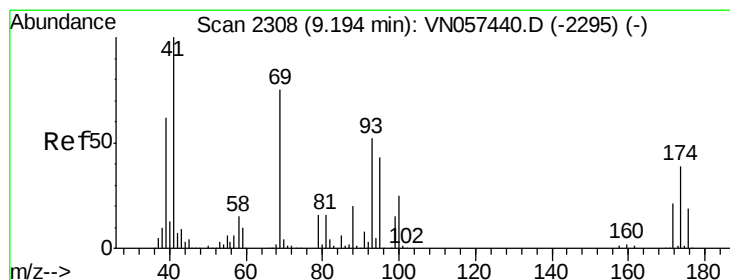
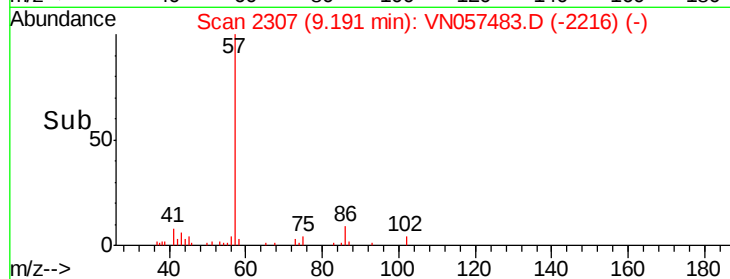
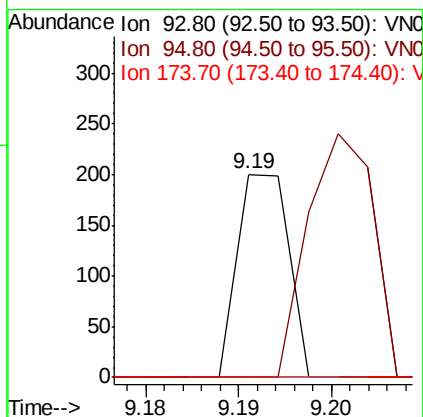
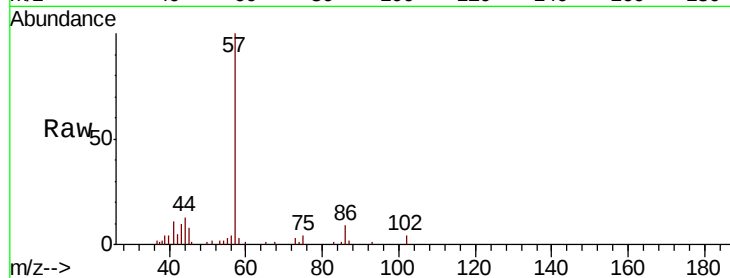




#46
 Dibromomethane
 Concen: Below Cal
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

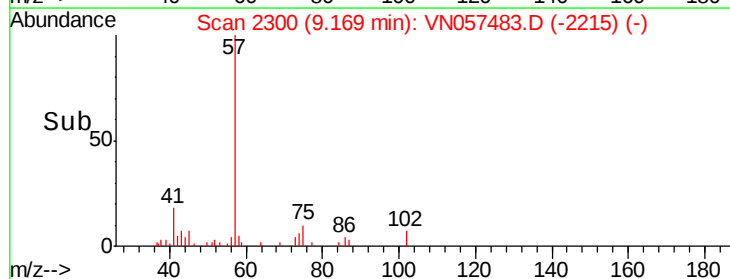
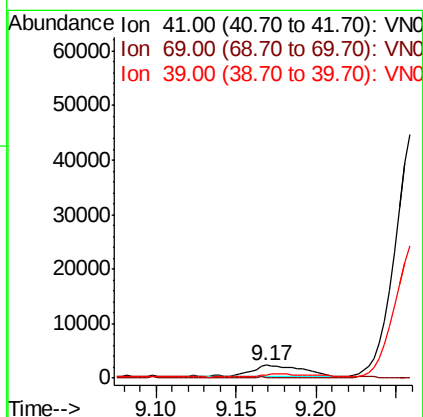
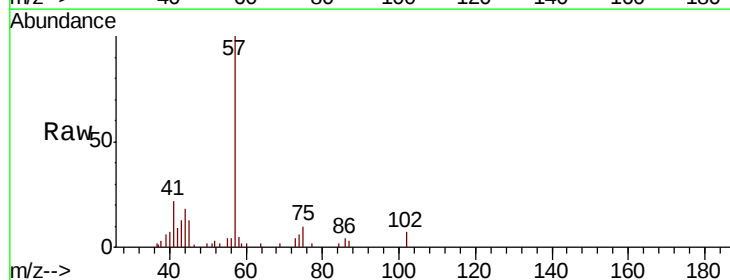
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S4(0)

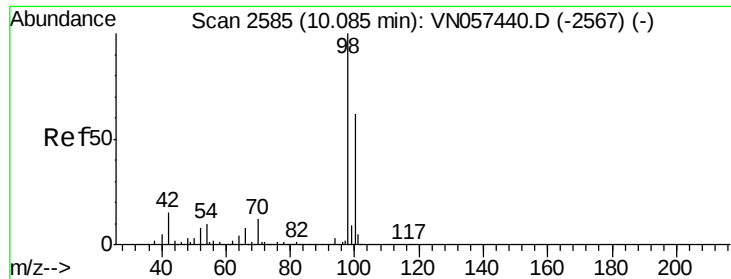
Tgt Ion: 93 Resp: 77
 Ion Ratio Lower Upper
 93 100
 95 153.2 64.7 97.1#
 174 0.0 62.3 93.5#



#48
 Methyl methacrylate
 Concen: 0.776 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.03 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

Tgt Ion: 41 Resp: 4889
 Ion Ratio Lower Upper
 41 100
 69 1.5 59.3 88.9#
 39 0.0 50.6 75.8#

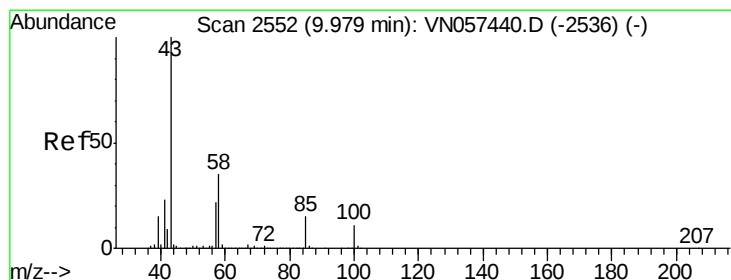
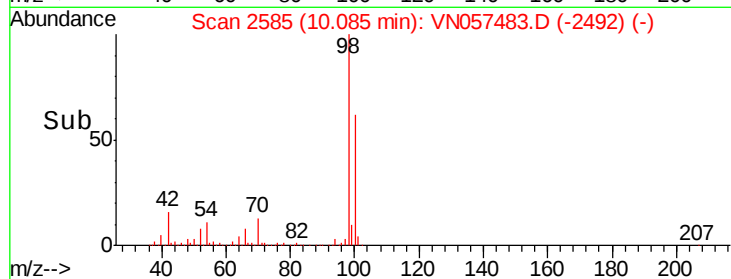
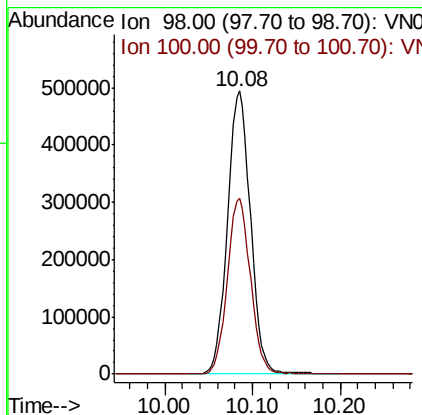
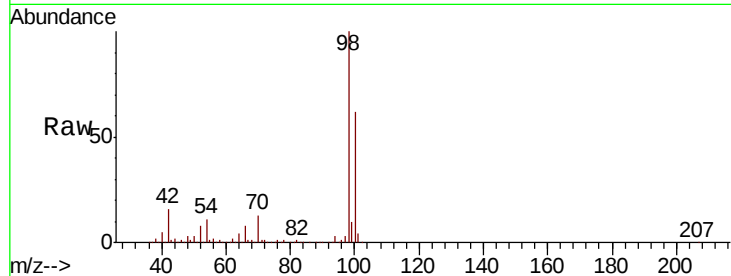




#50
Toluene-d8
Concen: 49.476 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

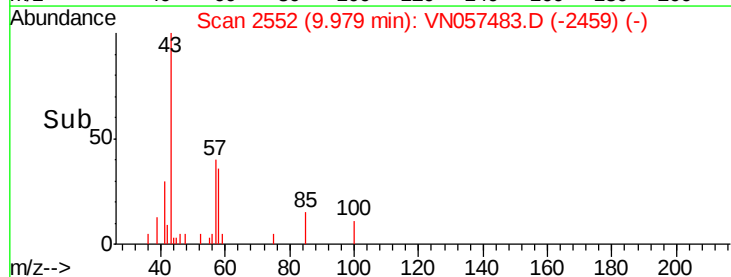
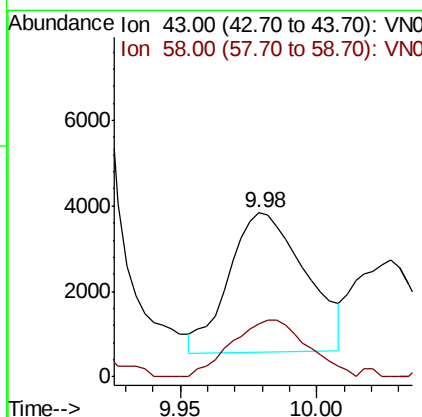
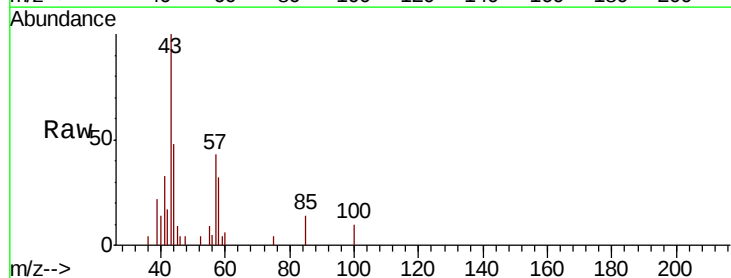
Instrument :
MSVOA_N
ClientSampled :
T1-S4(0)

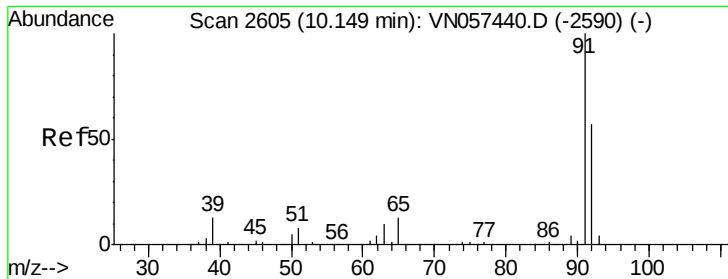
Tgt Ion: 98 Resp: 904895
Ion Ratio Lower Upper
98 100
100 62.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.858 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

Tgt Ion: 43 Resp: 6338
Ion Ratio Lower Upper
43 100
58 40.3 27.9 41.9





#52

Toluene

Concen: 0.219 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampled :

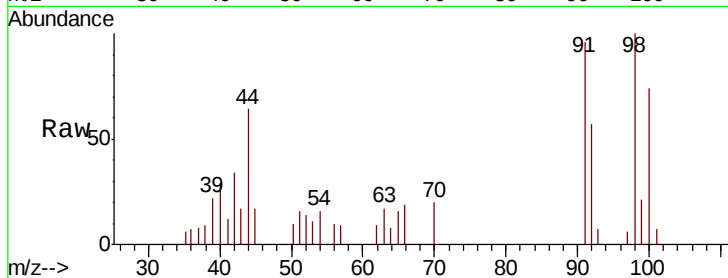
T1-S4(0)

Tgt Ion: 92 Resp: 2776

Ion Ratio Lower Upper

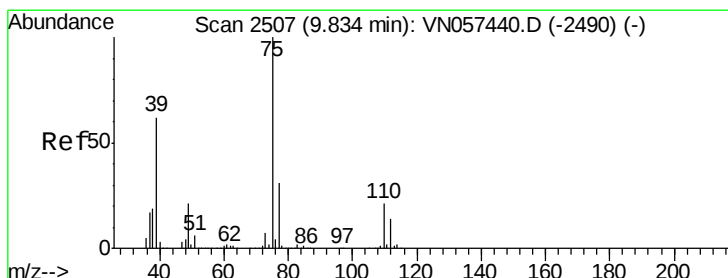
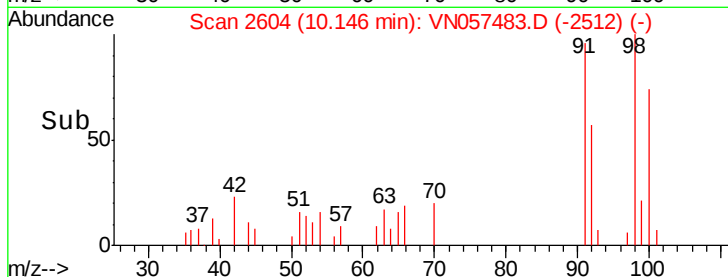
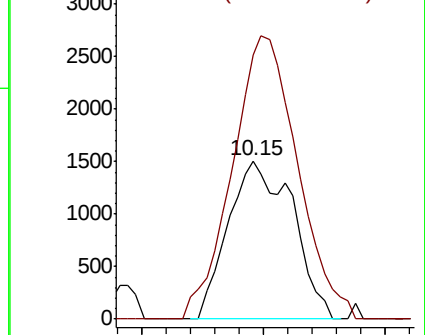
92 100

91 180.4 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 3.849 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

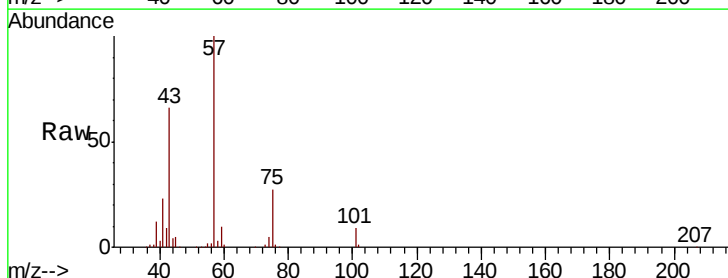
Tgt Ion: 75 Resp: 36627

Ion Ratio Lower Upper

75 100

77 0.7 25.0 37.6#

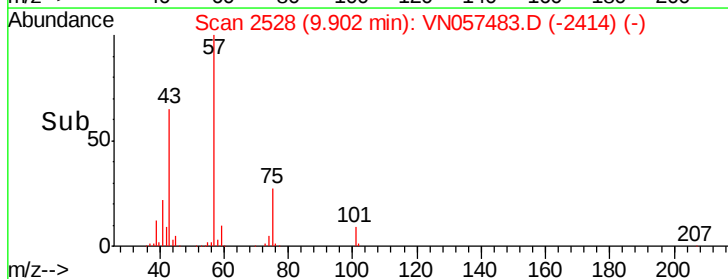
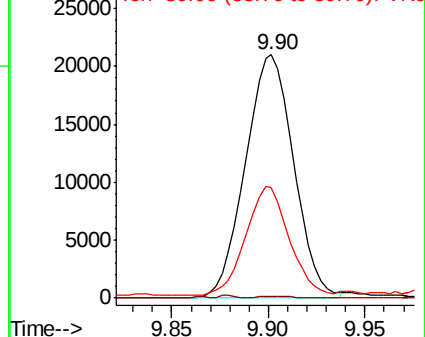
39 44.1 49.2 73.8#

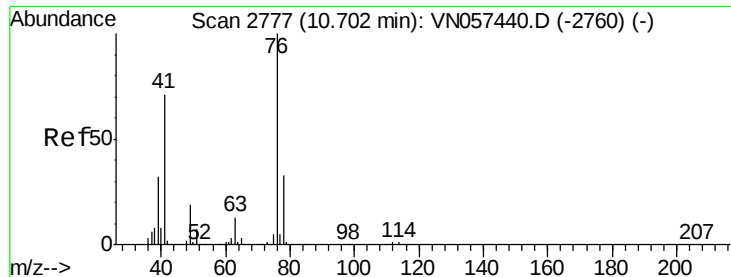


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.414 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

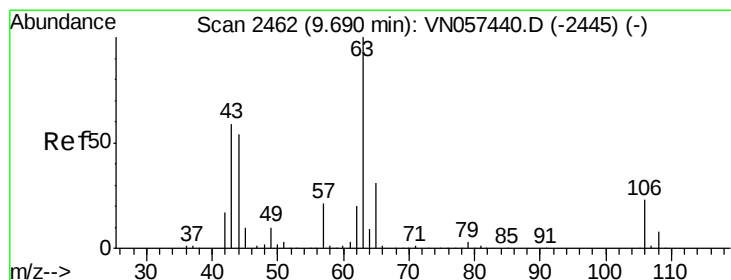
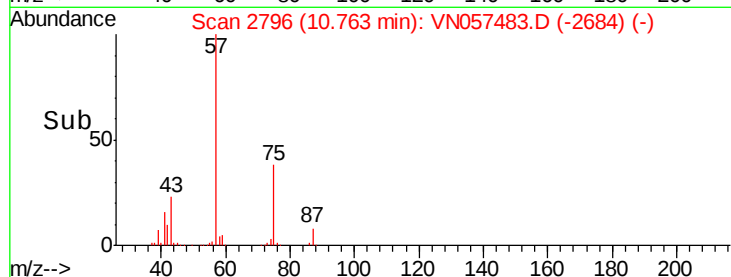
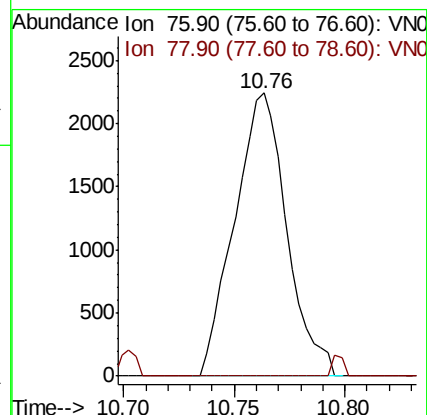
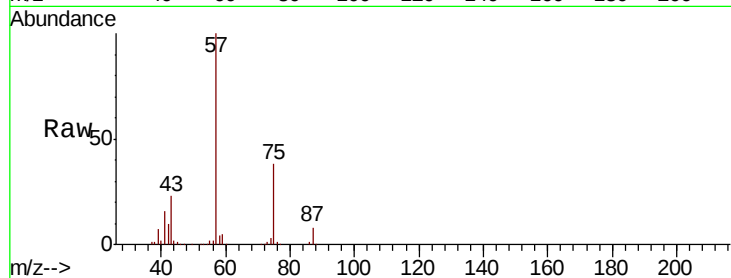
T1-S4(0)

Tgt Ion: 76 Resp: 3691

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#58

2-Chloroethyl Vinyl ether

Concen: 17.077 ug/l

RT: 9.65 min Scan# 2451

Delta R.T. -0.03 min

Lab File: VN057483.D

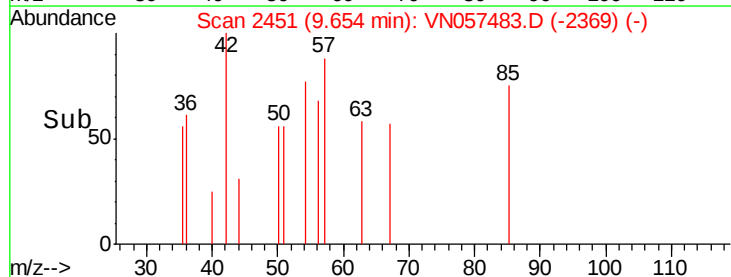
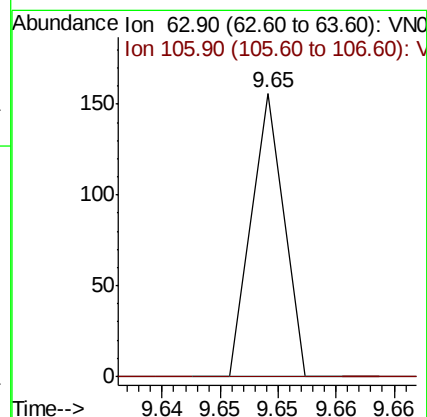
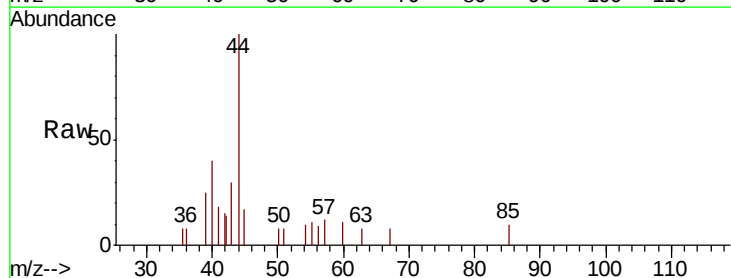
Acq: 23 Aug 2019 20:02

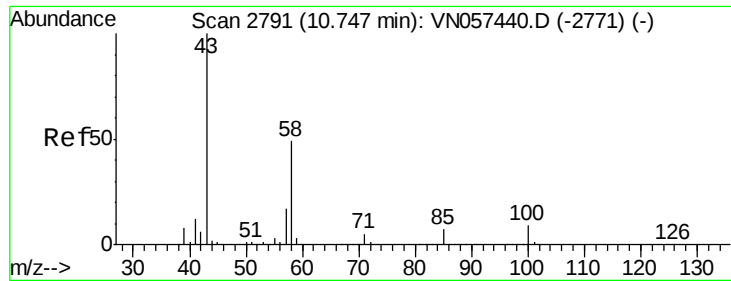
Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#

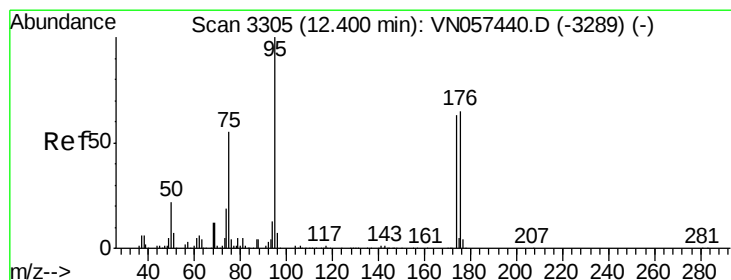
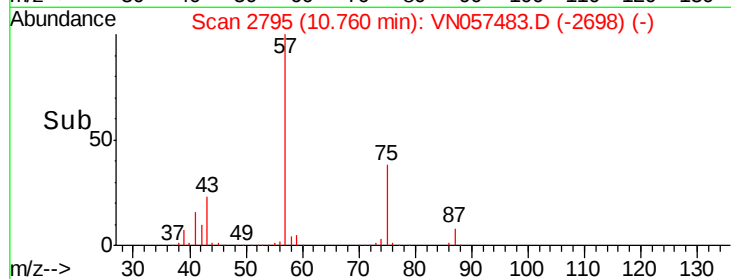
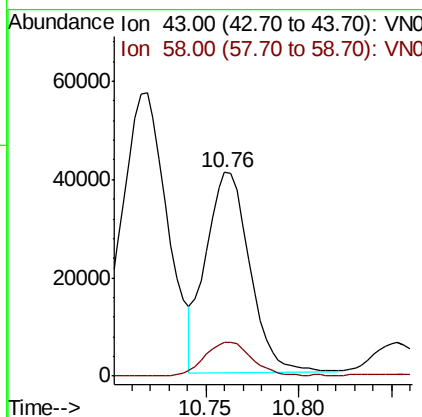
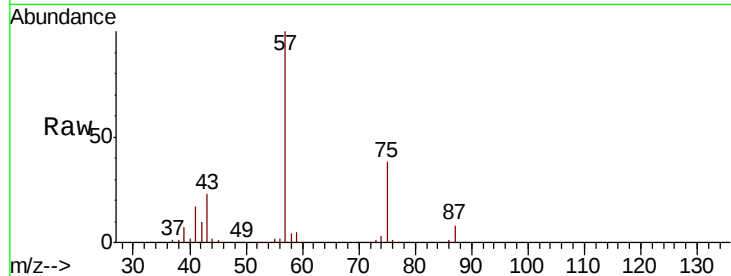




#59
2-Hexanone
Concen: 13.289 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

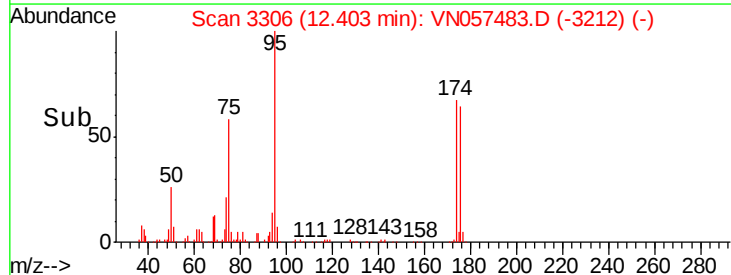
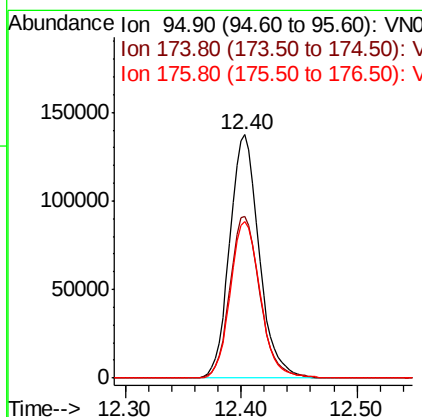
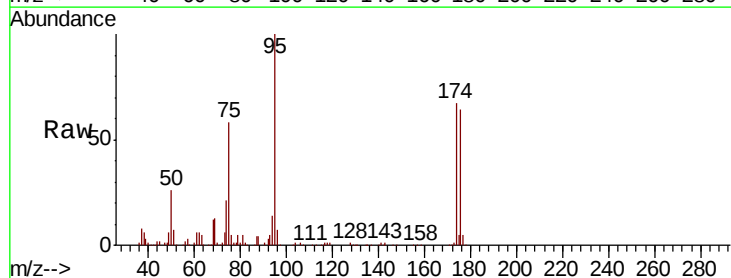
Instrument :
MSVOA_N
ClientSampled :
T1-S4(0)

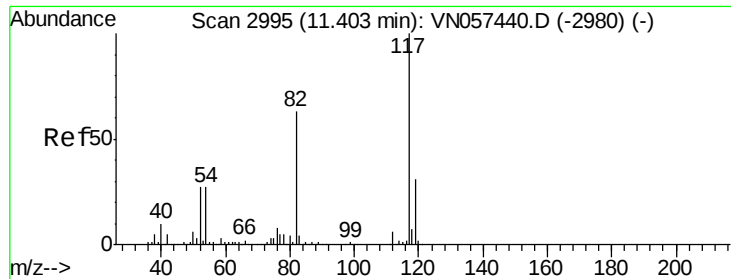
Tgt Ion: 43 Resp: 67347
Ion Ratio Lower Upper
43 100
58 18.3 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 38.945 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

Tgt Ion: 95 Resp: 241383
Ion Ratio Lower Upper
95 100
174 67.6 0.0 133.0
176 65.8 0.0 130.8

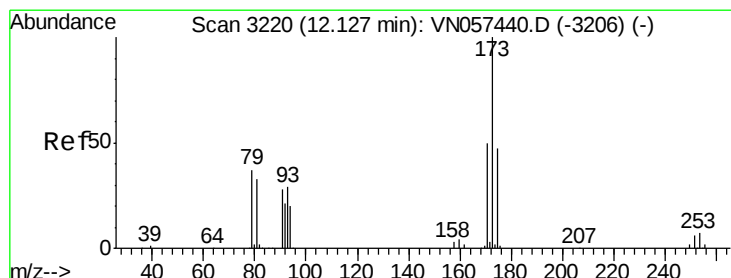
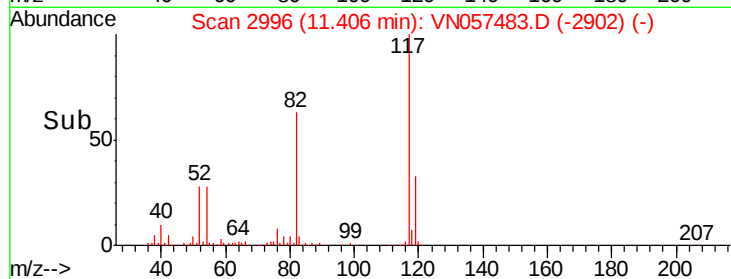
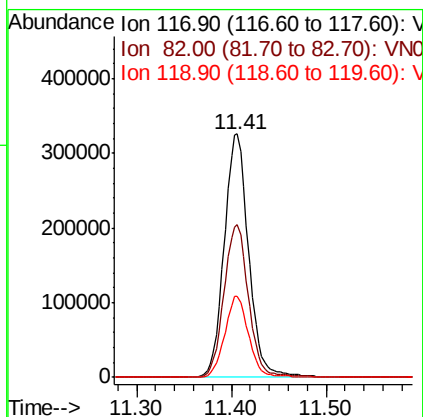
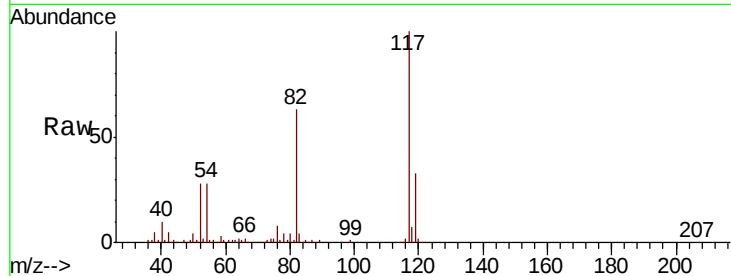




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

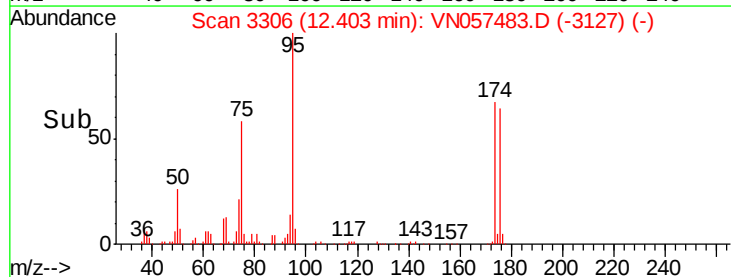
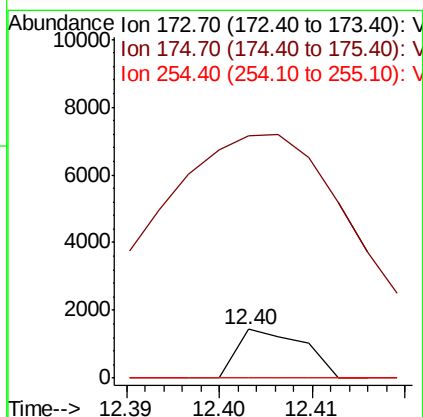
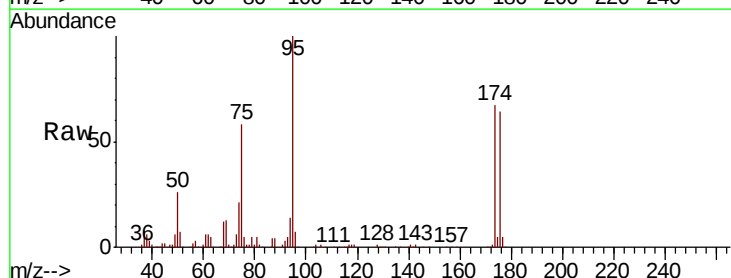
Instrument :
MSVOA_N
ClientSampleId :
T1-S4(0)

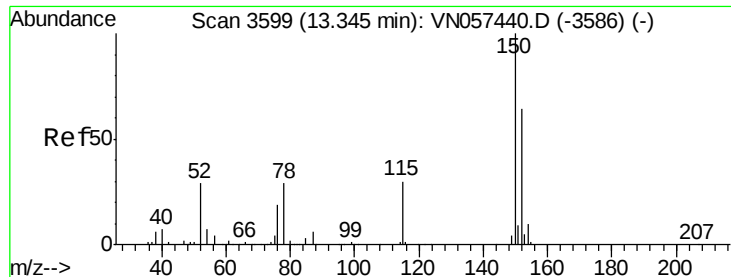
Tgt Ion:117 Resp: 585264
Ion Ratio Lower Upper
117 100
82 62.7 50.6 75.8
119 33.4 24.6 36.8



#71
Bromoform
Concen: 0.231 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

Tgt Ion:173 Resp: 709
Ion Ratio Lower Upper
173 100
175 1464.7 23.9 71.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

T1-S4(0)

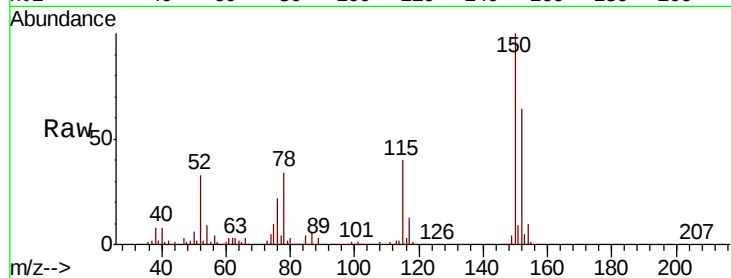
Tgt Ion:152 Resp: 145836

Ion Ratio Lower Upper

152 100

115 61.2 32.0 96.0

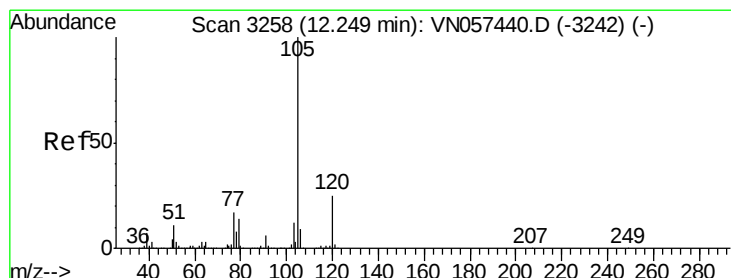
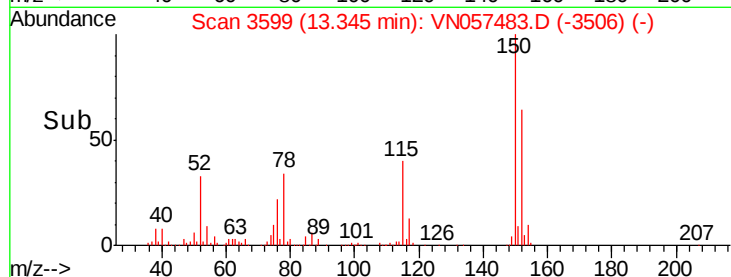
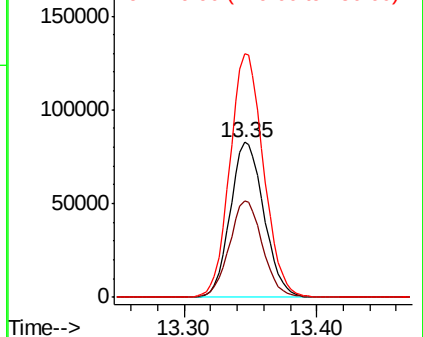
150 156.7 0.0 346.6



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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057483.D

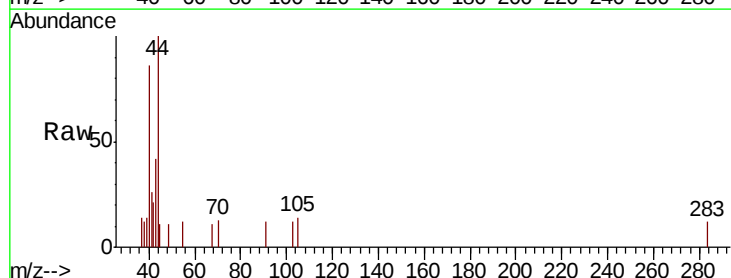
Acq: 23 Aug 2019 20:02

Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

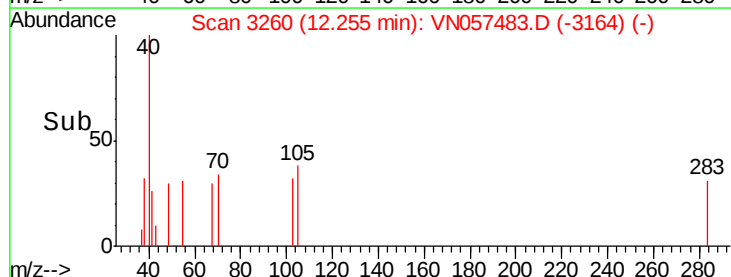
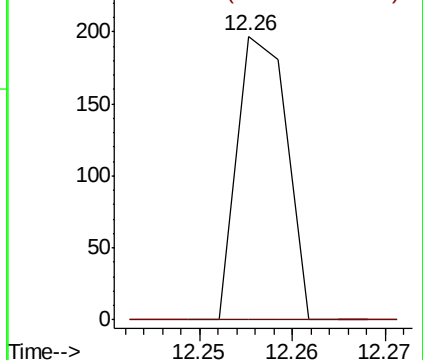
105 100

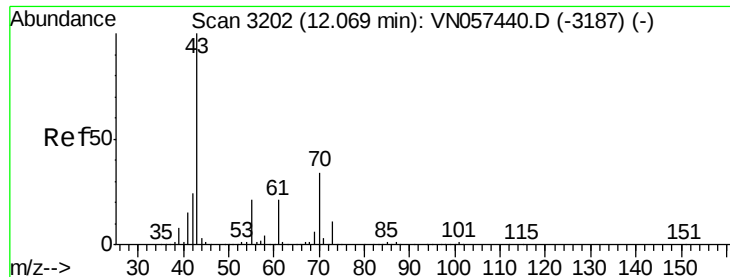
120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: Below Cal

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

T1-S4(0)

Tgt Ion: 43 Resp: 1880

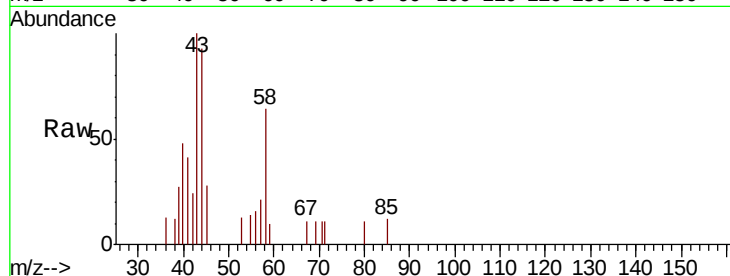
Ion Ratio Lower Upper

43 100

70 5.9 27.8 41.6#

55 5.6 17.0 25.4#

61 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

2000

1500

1000

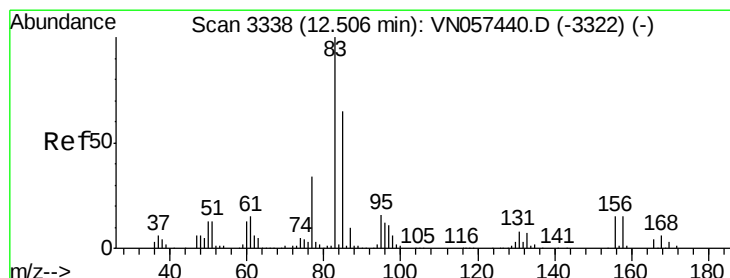
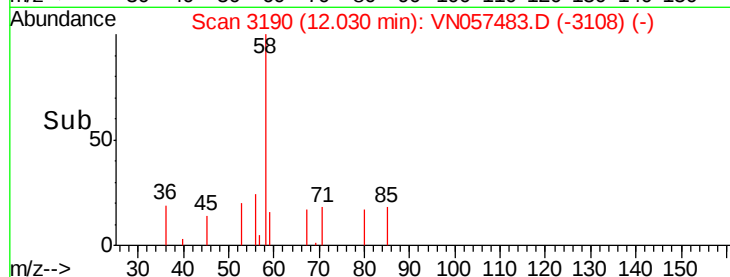
500

0

12.00

12.05

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.01 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

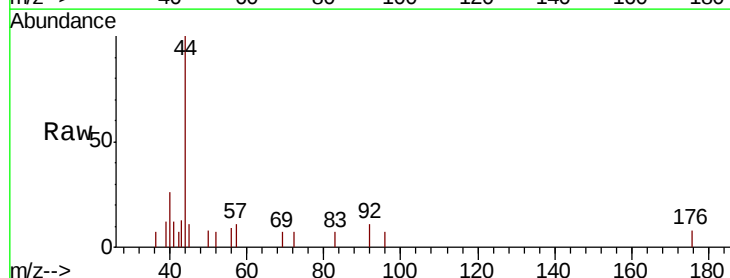
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

200

150

100

50

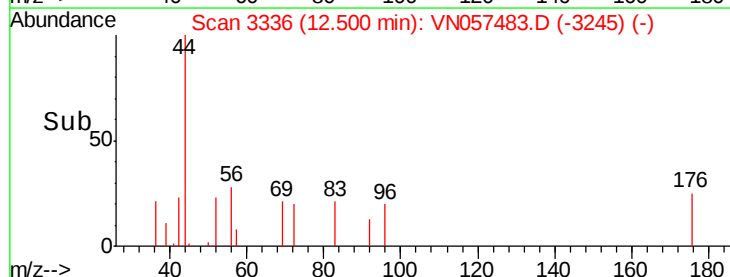
0

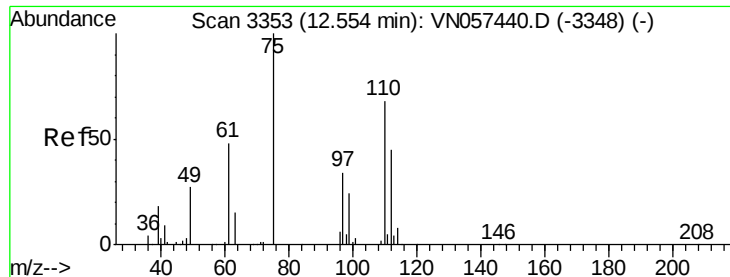
12.49

12.50

12.51

Time-->





#76

1,2,3-Trichloropropane

Concen: 44.286 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

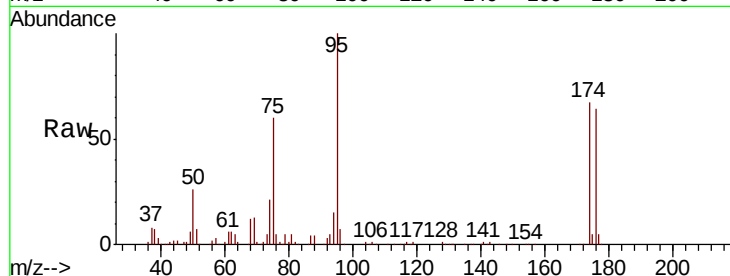
T1-S4(0)

Tgt Ion: 75 Resp: 144333

Ion Ratio Lower Upper

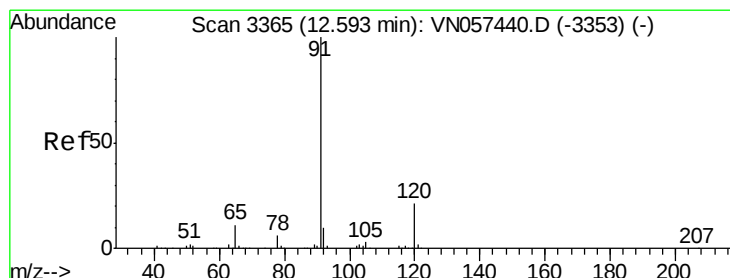
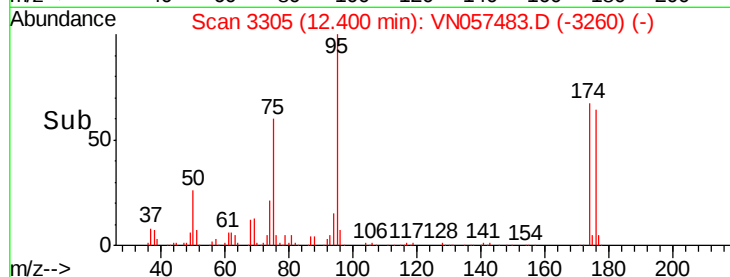
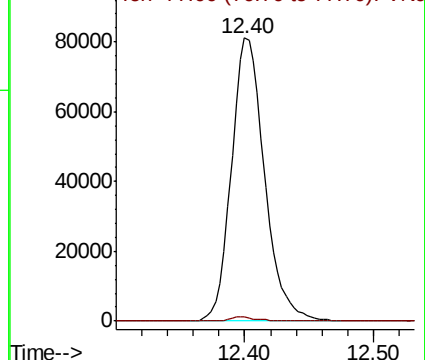
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057483.D

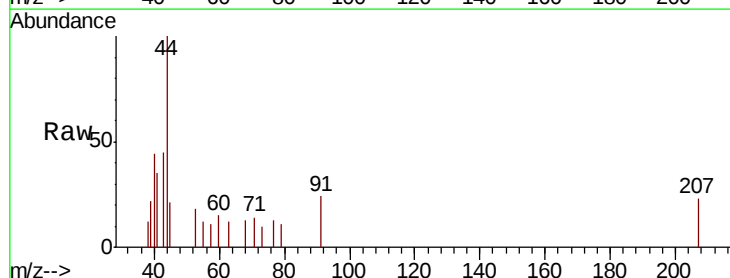
Acq: 23 Aug 2019 20:02

Tgt Ion: 91 Resp: 549

Ion Ratio Lower Upper

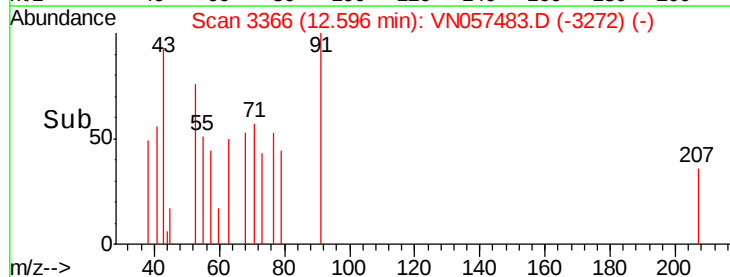
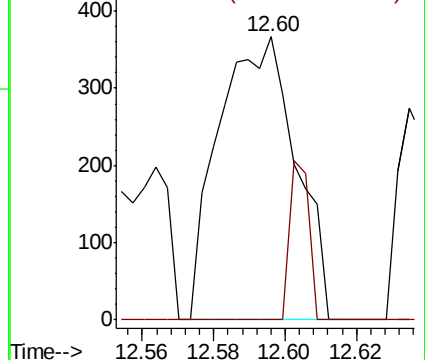
91 100

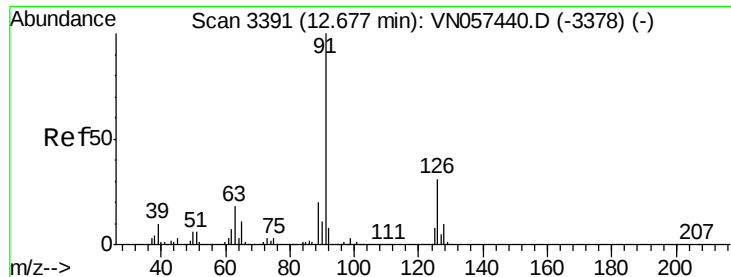
120 13.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

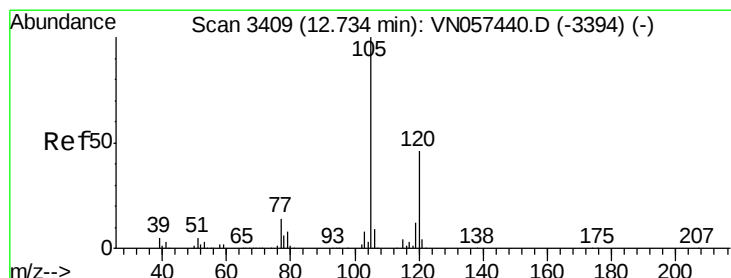
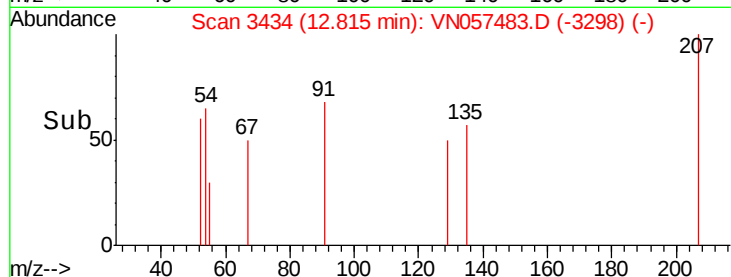
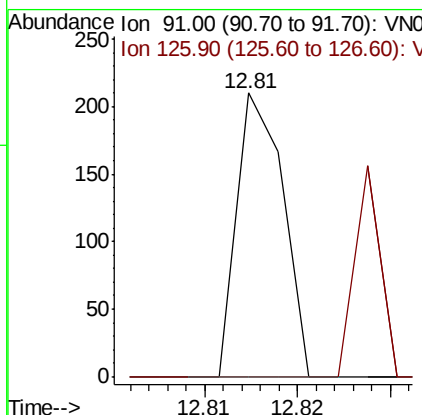
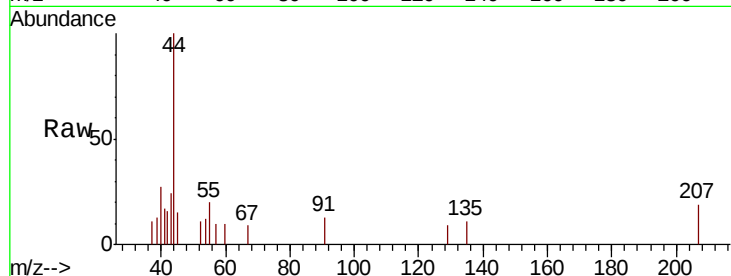




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.14 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

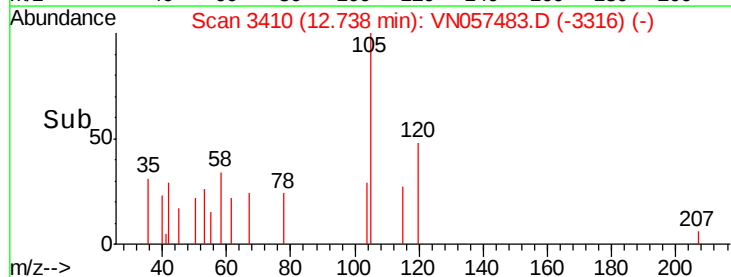
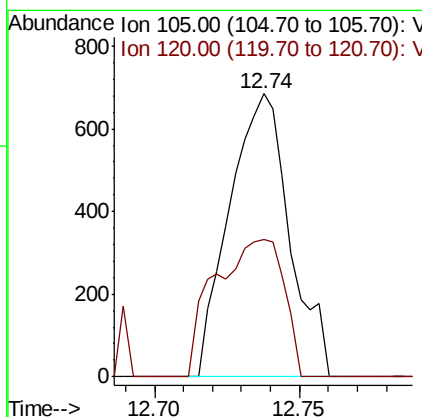
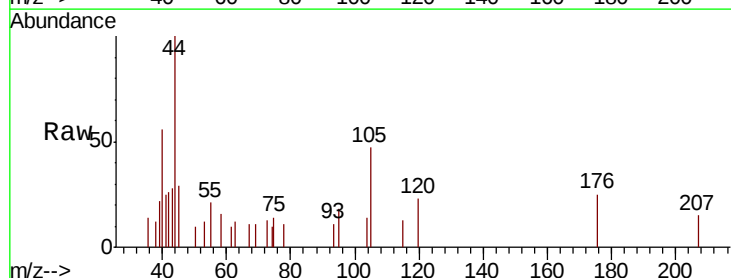
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S4(0)

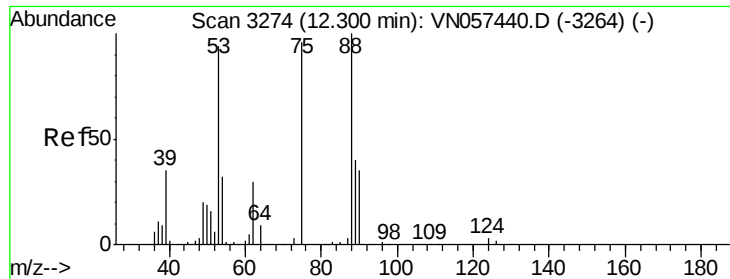
Tgt Ion: 91 Resp: 73
 Ion Ratio Lower Upper
 91 100
 126 41.1 15.3 45.8



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

Tgt Ion: 105 Resp: 989
 Ion Ratio Lower Upper
 105 100
 120 55.8 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 113.624 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

T1-S4(0)

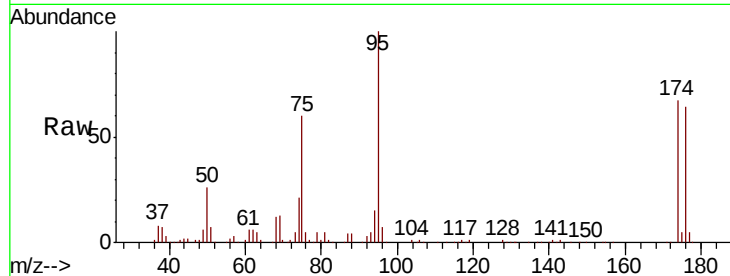
Tgt Ion: 75 Resp: 144333

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

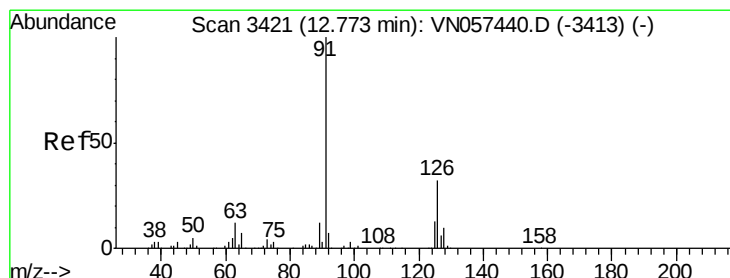
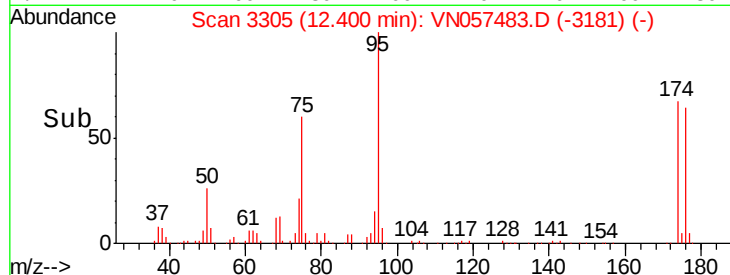
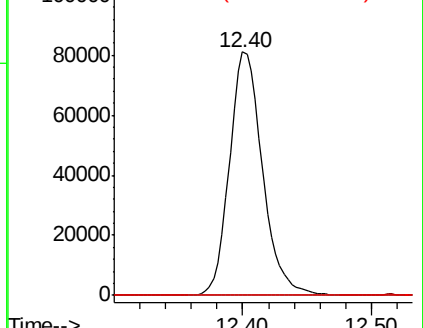
89 0.0 35.8 53.8#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.81 min Scan# 3434

Delta R.T. 0.04 min

Lab File: VN057483.D

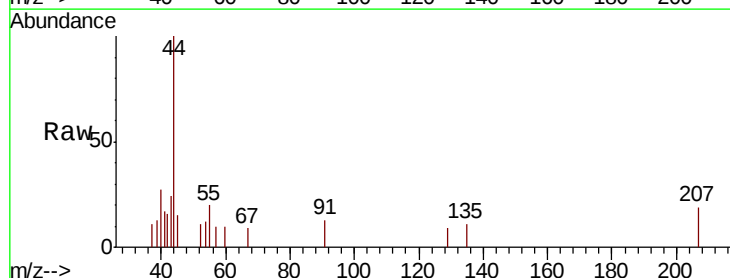
Acq: 23 Aug 2019 20:02

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

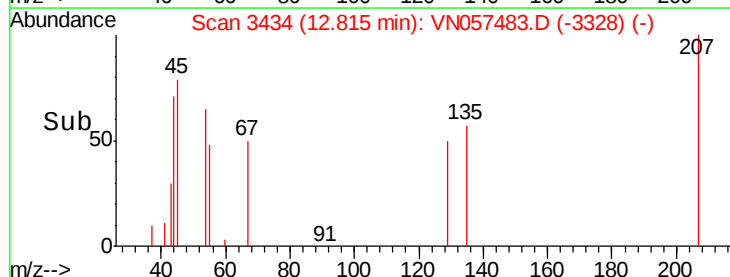
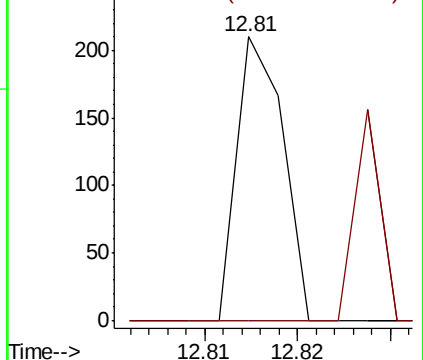
91 100

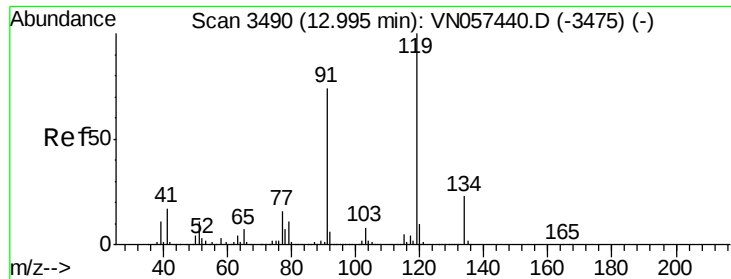
126 41.1 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

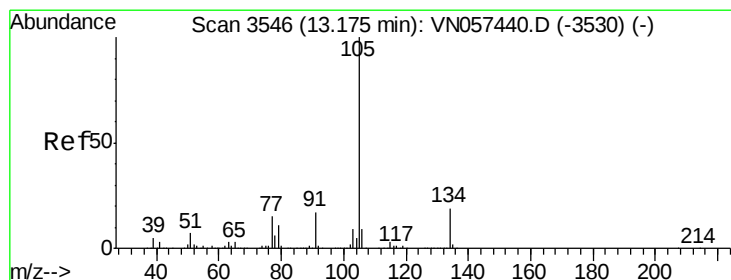
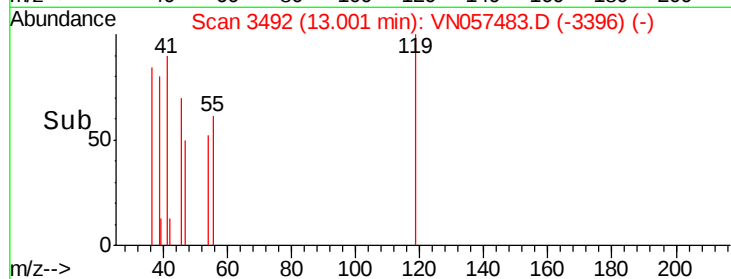
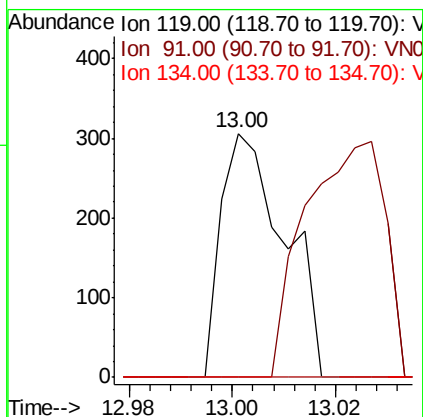
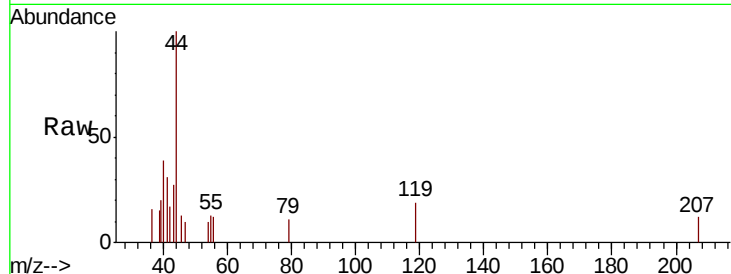




#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

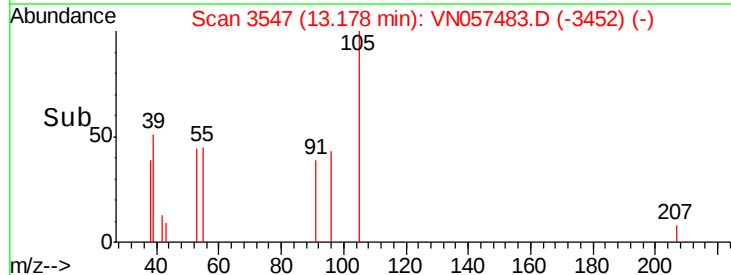
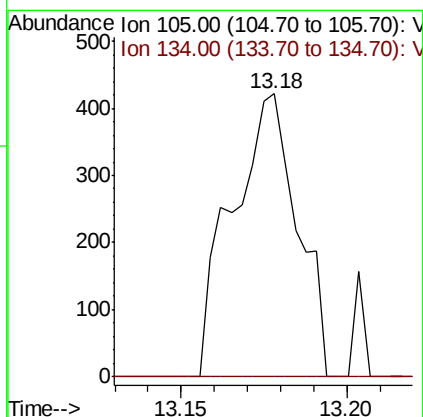
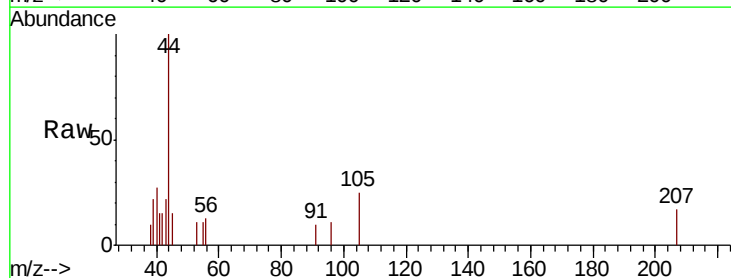
Instrument :
MSVOA_N
ClientSampled :
T1-S4(0)

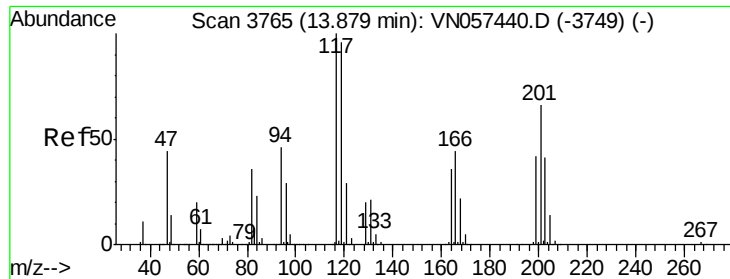
Tgt Ion:119 Resp: 260
Ion Ratio Lower Upper
119 100
91 0.0 37.0 111.0#
134 0.0 12.2 36.6#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN057483.D
Acq: 23 Aug 2019 20:02

Tgt Ion:105 Resp: 578
Ion Ratio Lower Upper
105 100
134 0.0 9.3 27.9#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.06 min Scan# 3820

Delta R.T. 0.18 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampled :

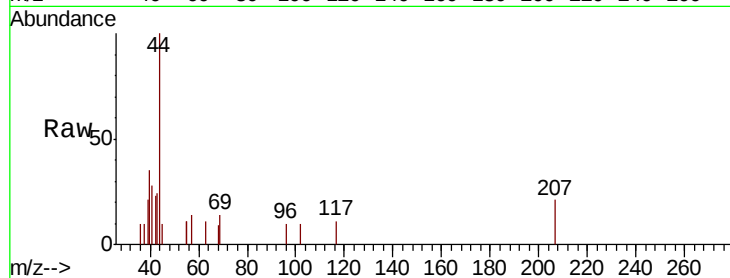
T1-S4(0)

Tgt Ion:117 Resp: 36

Ion Ratio Lower Upper

117 100

201 0.0 33.1 99.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.06

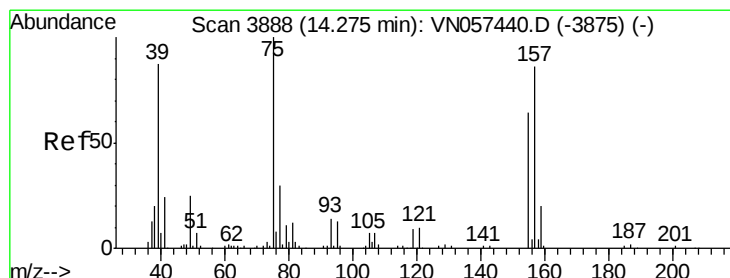
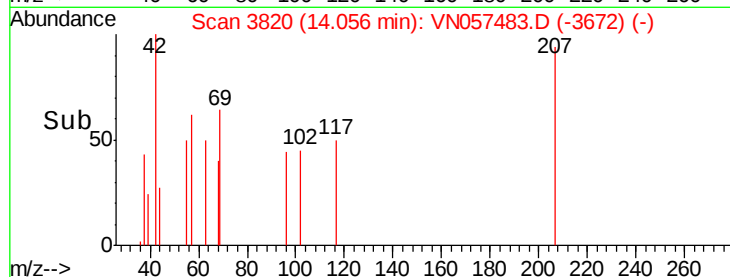
150

100

50

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.14 min Scan# 3847

Delta R.T. -0.13 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

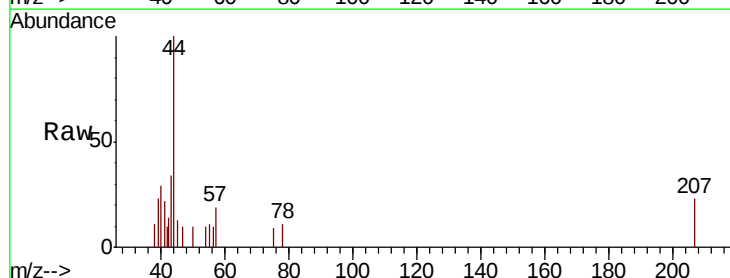
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

157 0.0 43.3 129.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.14

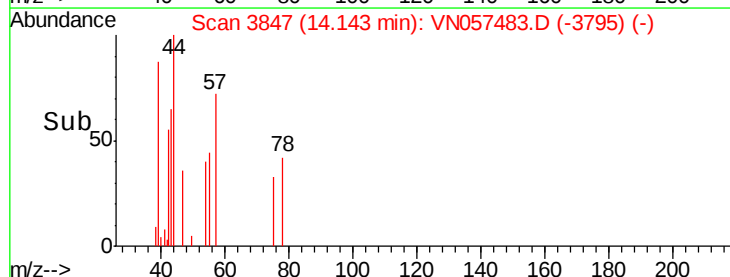
150

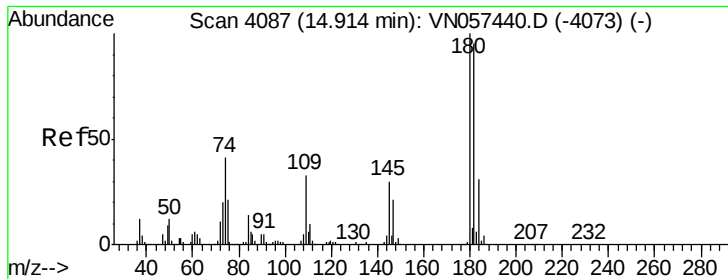
100

50

0

Time-->

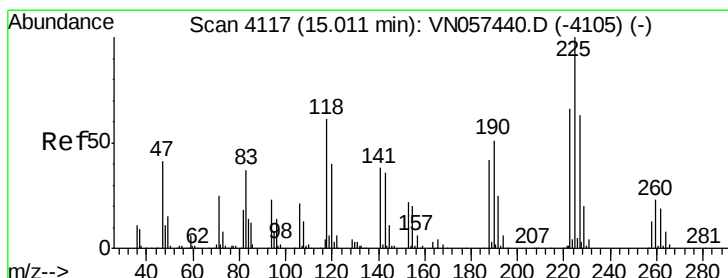
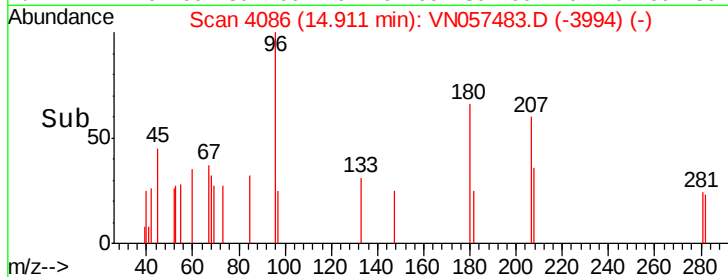
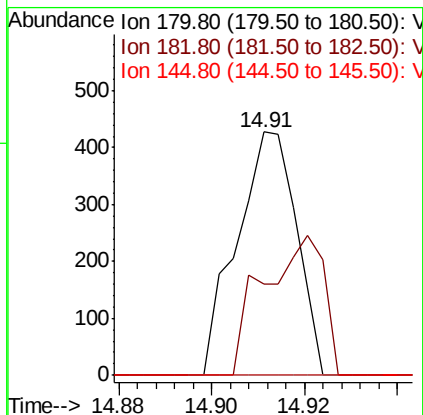
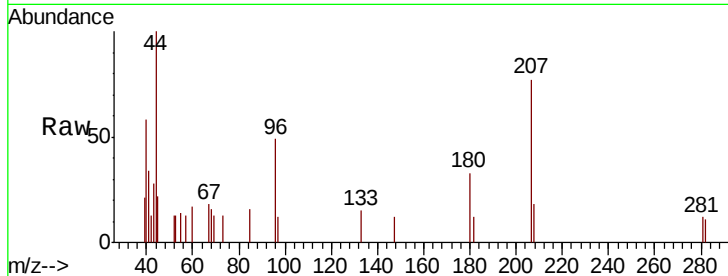




#93
 1,2,4-Trichlorobenzene
 Concen: 5.560 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

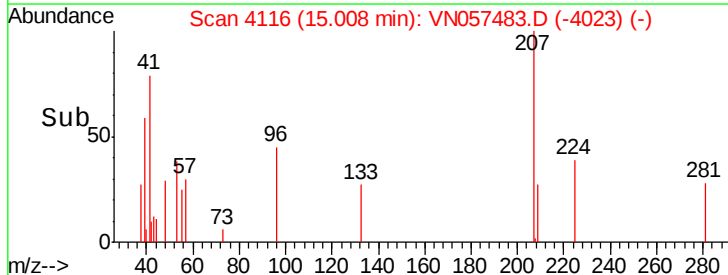
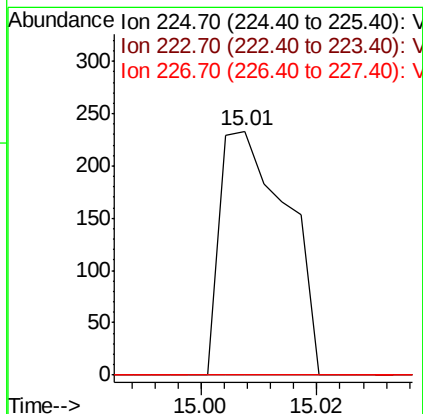
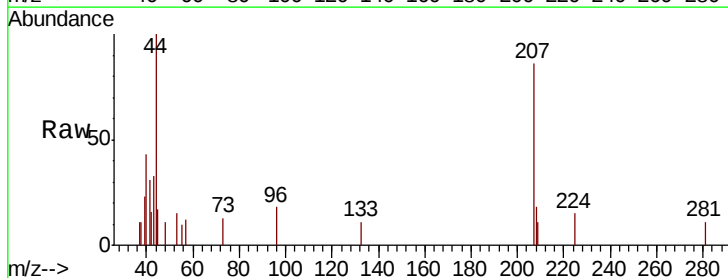
Instrument :
 MSVOA_N
 ClientSampled :
 T1-S4(0)

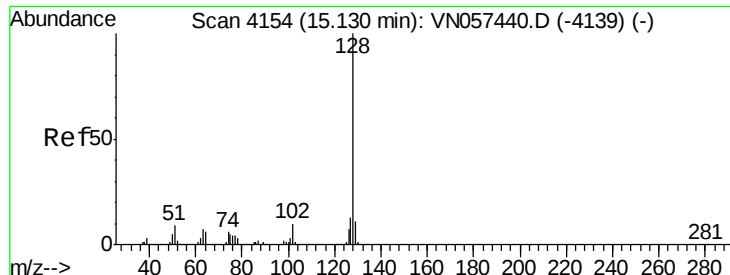
Tgt Ion:180 Resp: 384
 Ion Ratio Lower Upper
 180 100
 182 58.1 46.7 140.1
 145 0.0 15.6 46.8#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057483.D
 Acq: 23 Aug 2019 20:02

Tgt Ion:225 Resp: 186
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.0 96.2#
 227 0.0 31.5 94.5#





#95

Naphthalene

Concen: 4.419 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

Instrument :

MSVOA_N

ClientSampled :

T1-S4(0)

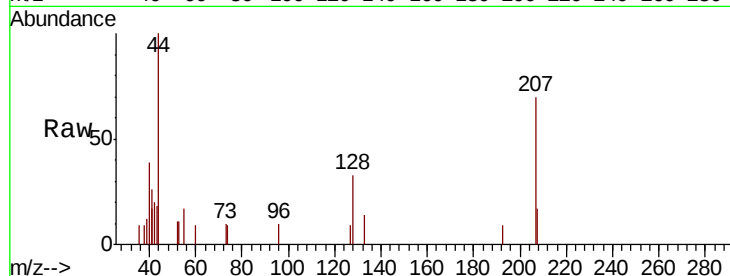
Tgt Ion:128 Resp: 508

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 0.0 8.6 13.0#



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

15.12

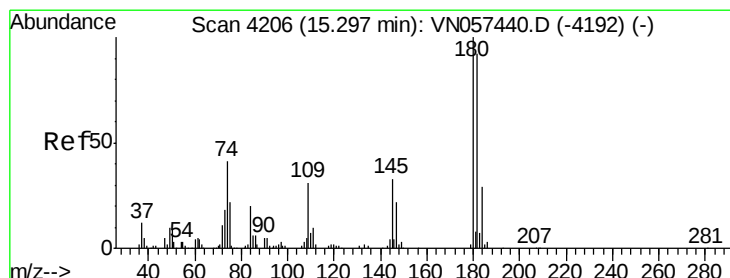
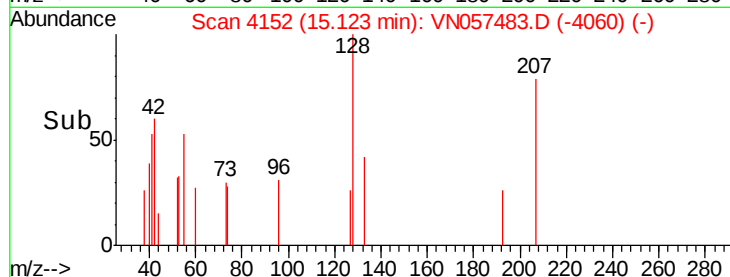
600

400

200

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 5.269 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.01 min

Lab File: VN057483.D

Acq: 23 Aug 2019 20:02

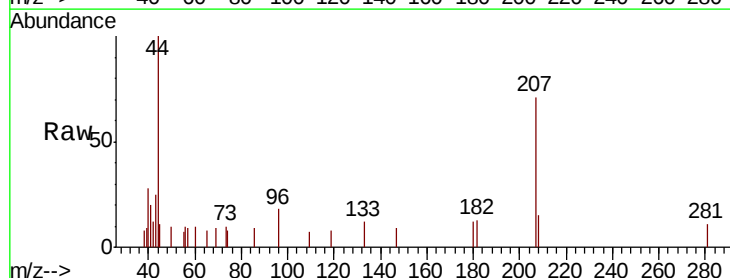
Tgt Ion:180 Resp: 311

Ion Ratio Lower Upper

180 100

182 78.1 46.7 140.1

145 0.0 16.8 50.3#



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

15.30

400

300

200

100

0

Time-->

