

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
 Data File : VN057479.D
 Acq On : 23 Aug 2019 18:20
 Operator : JC/SP
 Sample : K4472-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

Quant Time: Aug 26 05:11:56 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	415972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	724238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	578808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	138523	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	334518	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	7.57	113	228778	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.08	98	897915	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	240402	38.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.70%	

Target Compounds					Qvalue
8) Diethyl Ether	3.33	74	69	Below Cal	83
9) 1,1,2-Trichlorotrifluoroet	3.73	101	196	Below Cal #	38
13) Acrolein	3.59	56	212	0.265 ug/l #	1
16) Acetone	3.80	43	23422	6.970 ug/l	97
17) Carbon Disulfide	4.02	76	2786	0.206 ug/l #	75
20) Methylene Chloride	4.53	84	14645	2.869 ug/l	86
31) Cyclohexane	7.65	56	13938	1.356 ug/l #	31
36) 1,1-Dichloropropene	7.65	75	40752	5.507 ug/l #	52
38) Carbon Tetrachloride	7.65	117	46207	6.285 ug/l #	17
43) Isopropyl Acetate	8.16	43	75393	5.623 ug/l	100
46) Dibromomethane	9.19	93	65	Below Cal #	35
48) Methyl methacrylate	9.18	41	4489	0.704 ug/l #	19
49) 1,4-Dioxane	9.19	88	65	0.788 ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7347	0.983 ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	32905	3.419 ug/l #	67
57) 1,3-Dichloropropane	10.76	76	4060	0.451 ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.68	63	290	17.184 ug/l #	52
59) 2-Hexanone	10.76	43	67896	13.247 ug/l #	58
73) Isopropylbenzene	12.25	105	840	Below Cal	83
74) N-amyl acetate	12.07	43	2294	Below Cal #	72
75) 1,1,2,2-Tetrachloroethane	12.53	83	30	Below Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	138265	44.698 ug/l #	100
77) Bromobenzene	12.53	156	293	Below Cal #	1
78) n-propylbenzene	12.59	91	2879	Below Cal	90
79) 2-Chlorotoluene	12.67	91	1283	Below Cal	92
80) 1,3,5-Trimethylbenzene	12.74	105	2382	Below Cal	98
81) trans-1,4-Dichloro-2-buten	12.40	75	138265	114.621 ug/l #	9
82) 4-Chlorotoluene	12.77	91	2050	Below Cal	77
83) tert-Butylbenzene	12.99	119	1349	Below Cal	88
84) 1,2,4-Trimethylbenzene	13.05	105	2279	0.212 ug/l	81
85) sec-Butylbenzene	13.17	105	2376	Below Cal	94
86) p-Isopropyltoluene	13.29	119	2669	0.246 ug/l	86
87) 1,3-Dichlorobenzene	13.29	146	1558	0.348 ug/l #	73
88) 1,4-Dichlorobenzene	13.36	146	1561	0.356 ug/l #	1

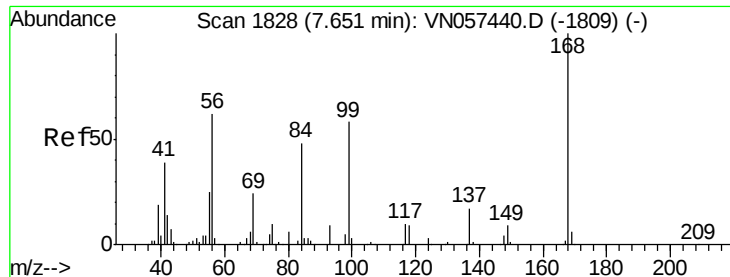
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
Data File : VN057479.D
Acq On : 23 Aug 2019 18:20
Operator : JC/SP
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Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	3237	0.353	ug/l	91
90) Hexachloroethane	13.78	117	78	Below Cal	#	17
91) 1,2-Dichlorobenzene	13.66	146	1497	0.350	ug/l	75
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1536	6.165	ug/l	64
94) Hexachlorobutadiene	15.01	225	305	Below Cal	#	24
95) Naphthalene	15.14	128	6016	5.336	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	2070	6.191	ug/l	93

(#) = 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: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

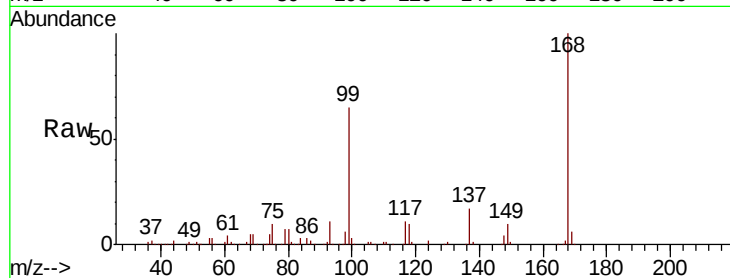
T1-S2(0)

Tgt Ion:168 Resp: 415972

Ion Ratio Lower Upper

168 100

99 64.7 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

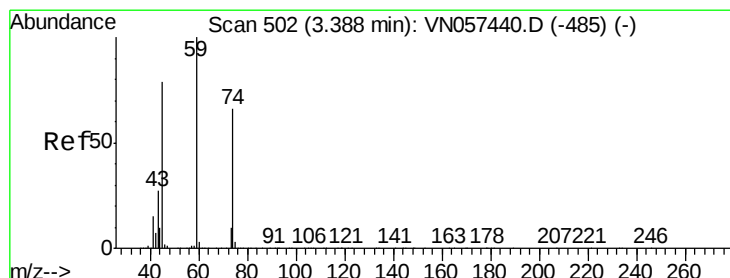
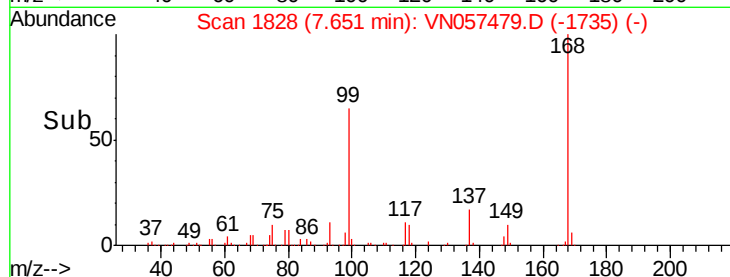
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.33 min Scan# 483

Delta R.T. -0.06 min

Lab File: VN057479.D

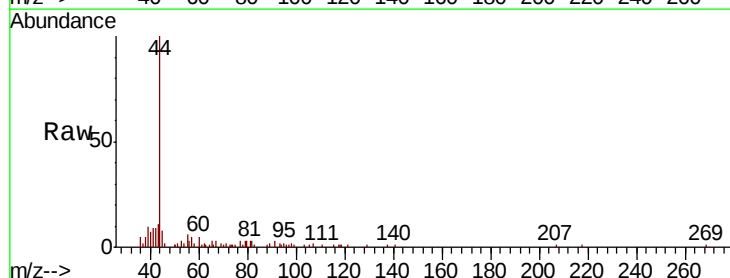
Acq: 23 Aug 2019 18:20

Tgt Ion: 74 Resp: 69

Ion Ratio Lower Upper

74 100

45 97.1 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) (-)

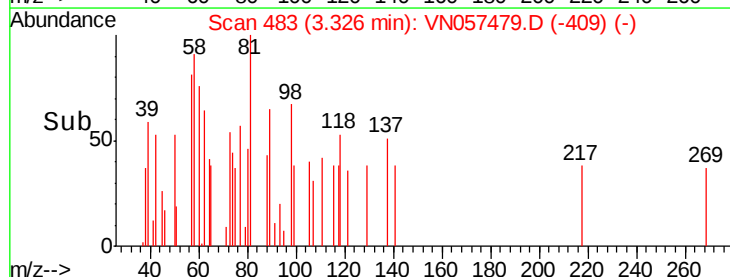
1500

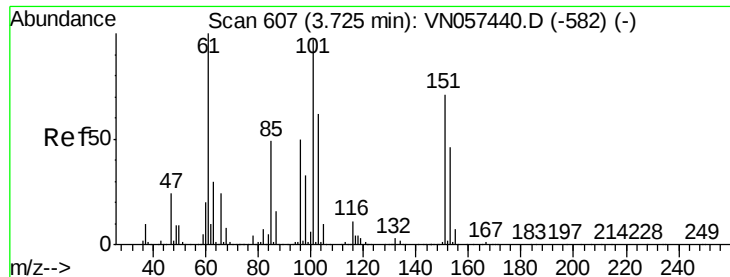
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.73 min Scan# 610

Delta R.T. 0.01 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

T1-S2(0)

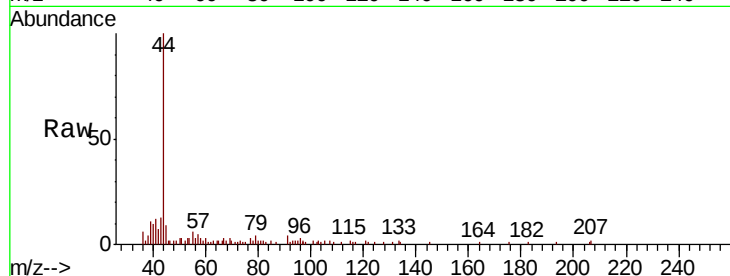
Tgt Ion:101 Resp: 196

Ion Ratio Lower Upper

101 100

85 126.0 40.0 60.0#

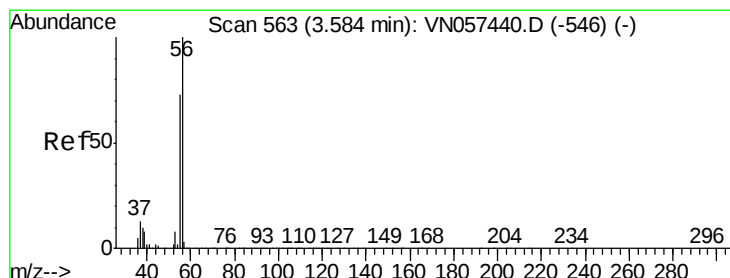
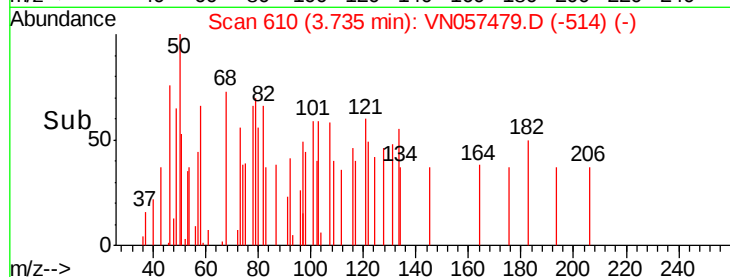
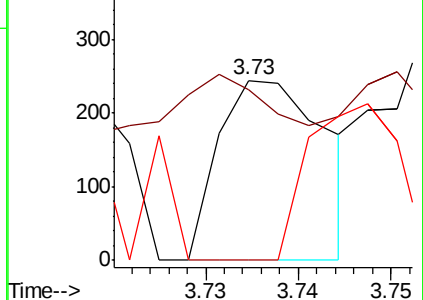
151 48.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#13

Acrolein

Concen: 0.265 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057479.D

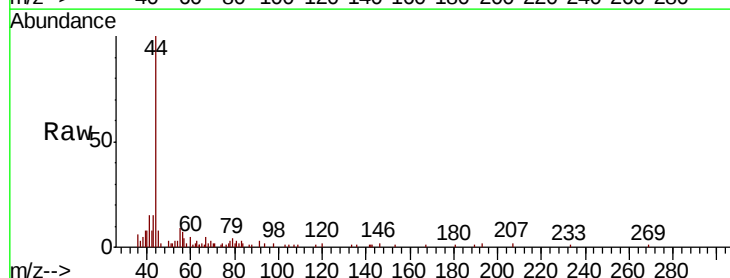
Acq: 23 Aug 2019 18:20

Tgt Ion: 56 Resp: 212

Ion Ratio Lower Upper

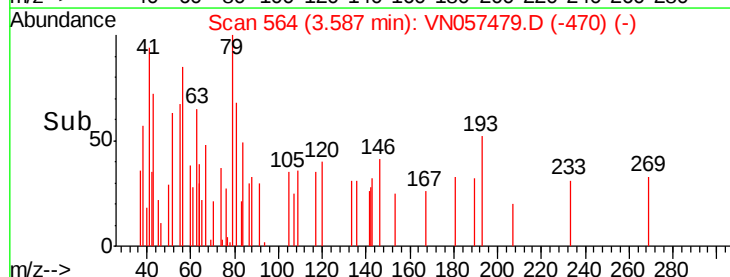
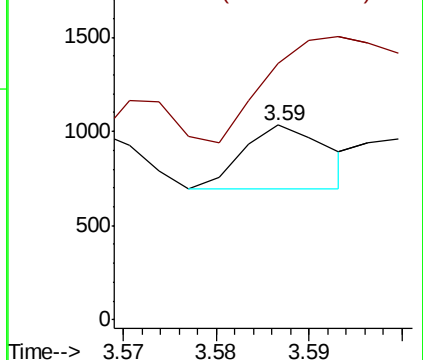
56 100

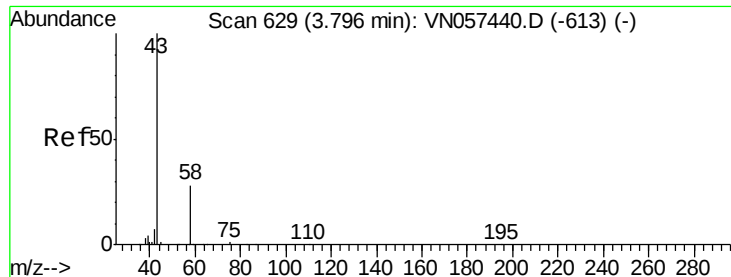
55 356.1 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 6.970 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

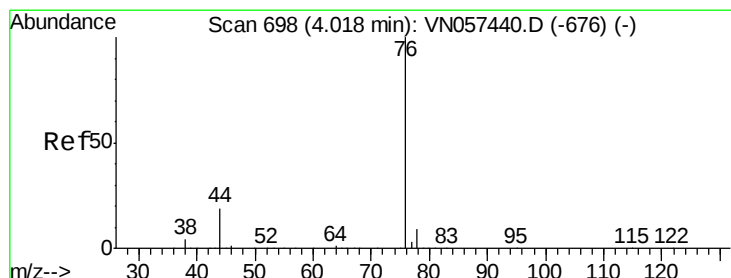
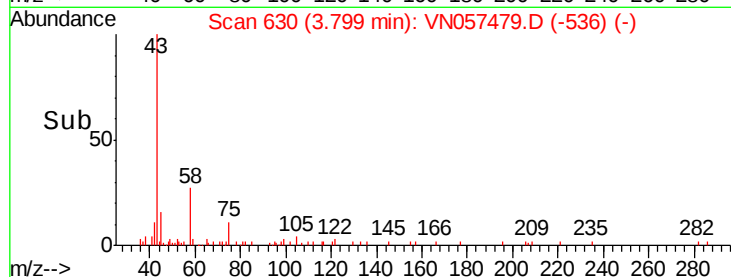
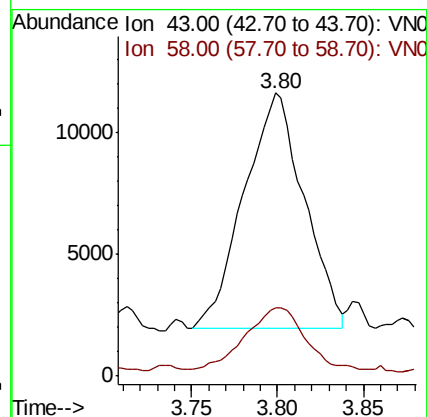
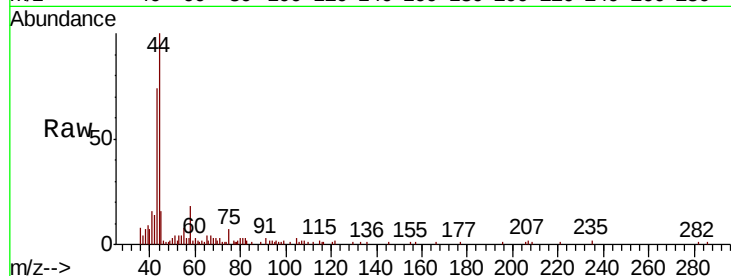
T1-S2(0)

Tgt Ion: 43 Resp: 23422

Ion Ratio Lower Upper

43 100

58 26.3 22.1 33.1



#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057479.D

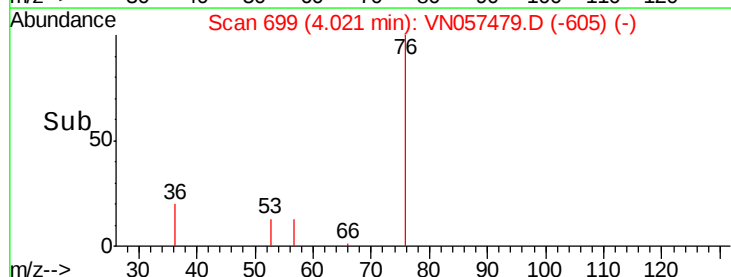
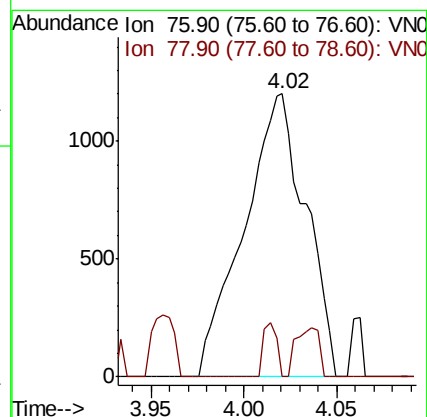
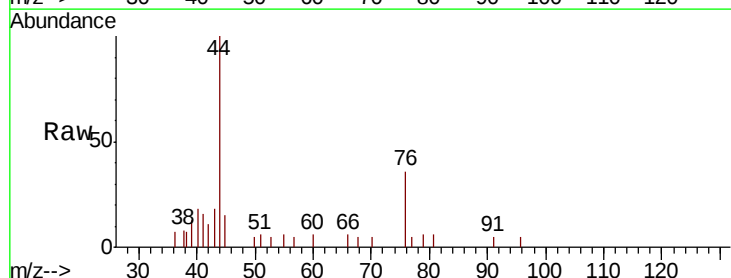
Acq: 23 Aug 2019 18:20

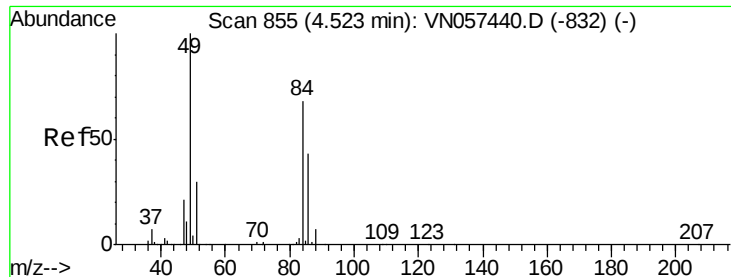
Tgt Ion: 76 Resp: 2786

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

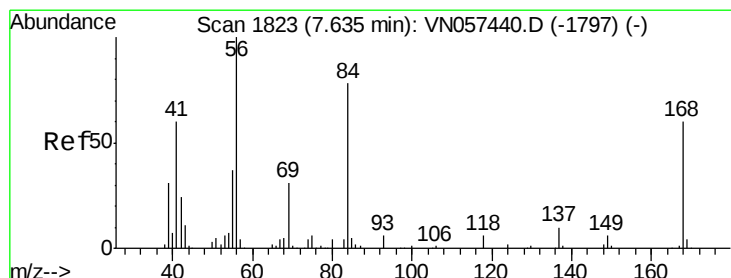
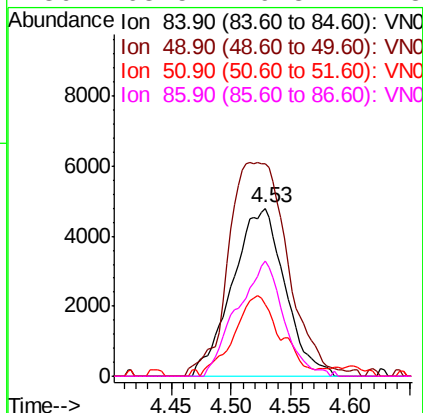
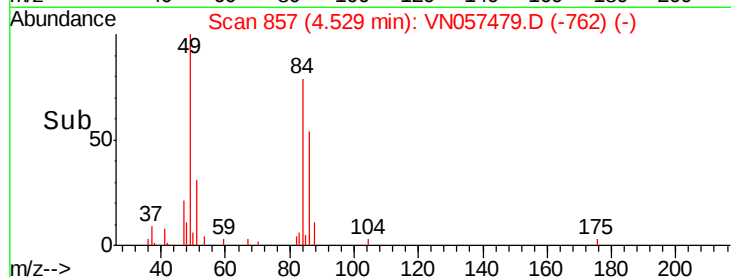
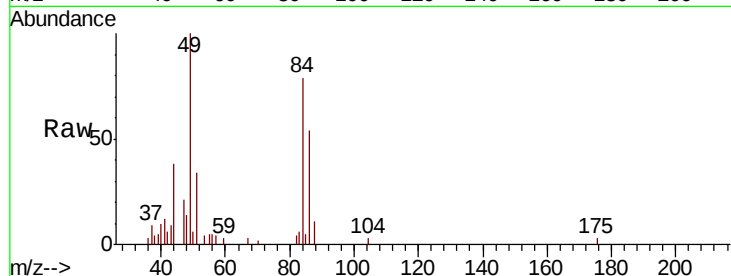




#20
Methylene Chloride
Concen: 2.869 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN057479.D
Acq: 23 Aug 2019 18:20

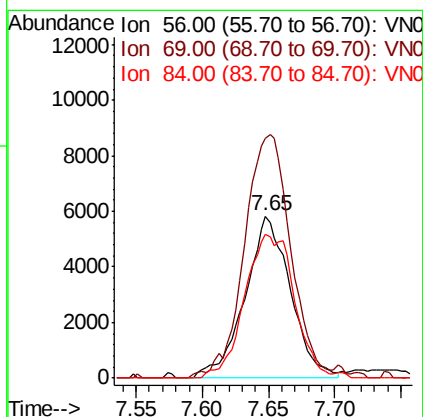
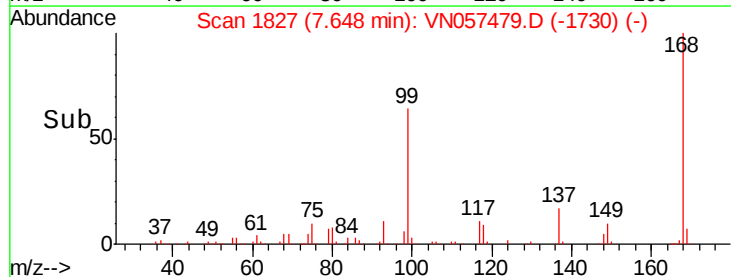
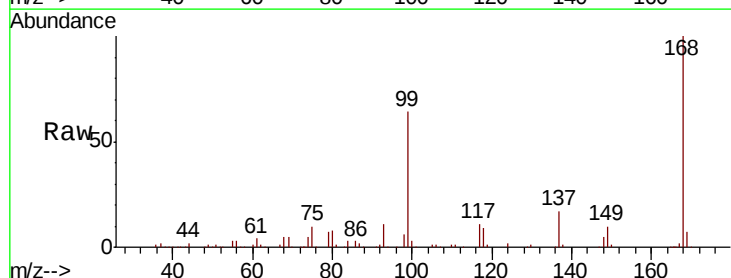
Instrument :
MSVOA_N
ClientSampleId :
T1-S2(0)

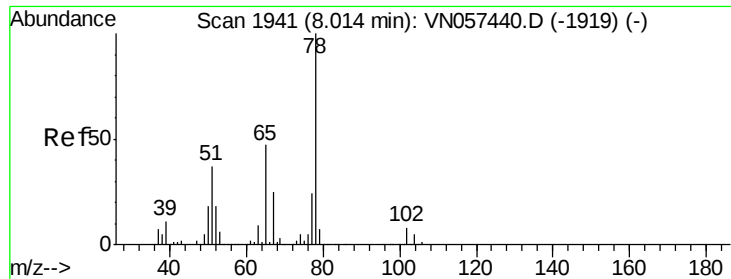
Tgt Ion:	84	Resp:	14645
Ion	Ratio	Lower	Upper
84	100		
49	122.0	117.0	175.4
51	42.8	35.5	53.3
86	68.5	49.8	74.8



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057479.D
Acq: 23 Aug 2019 18:20

Tgt Ion:	56	Resp:	13938
Ion	Ratio	Lower	Upper
56	100		
69	148.1	25.0	37.6#
84	88.6	62.5	93.7





#33

1,2-Dichloroethane-d4

Concen: 45.715 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

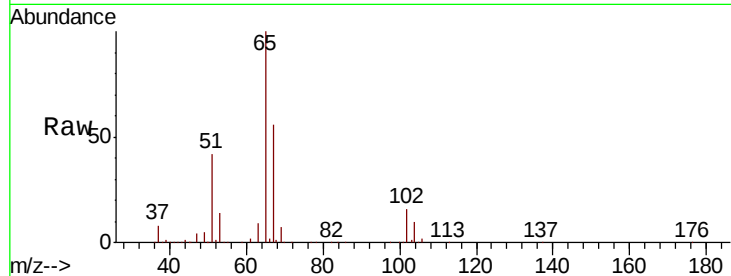
T1-S2(0)

Tgt Ion: 65 Resp: 334518

Ion Ratio Lower Upper

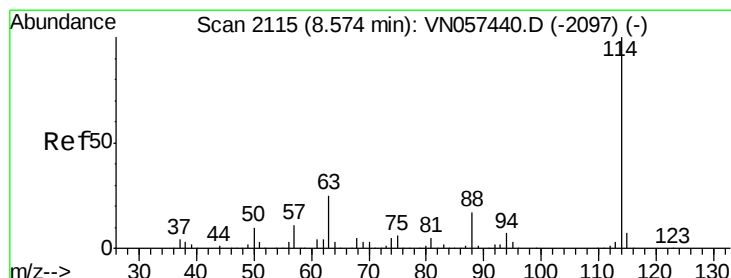
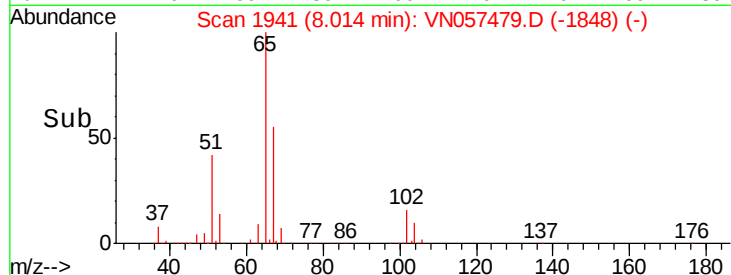
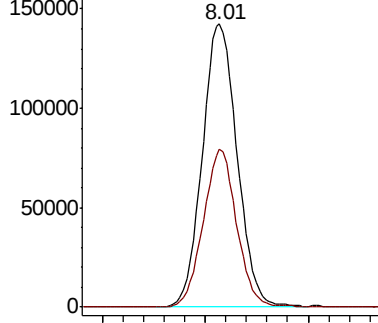
65 100

67 52.8 0.0 103.8



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: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

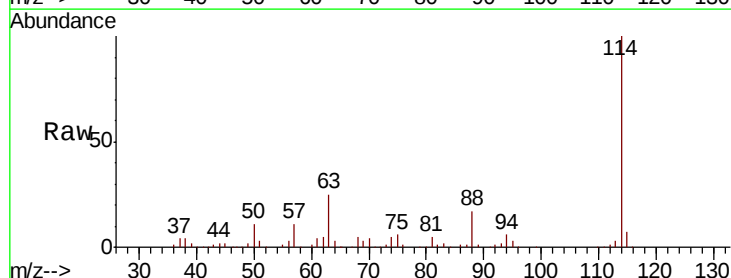
Tgt Ion: 114 Resp: 724238

Ion Ratio Lower Upper

114 100

63 24.9 0.0 50.2

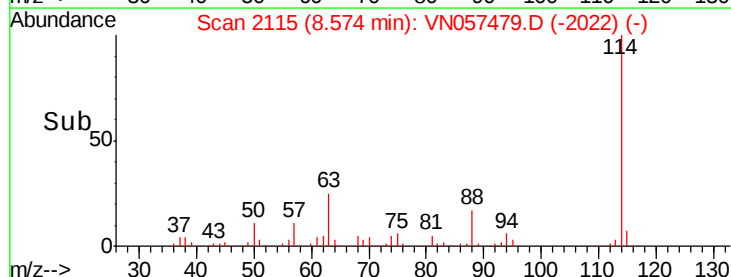
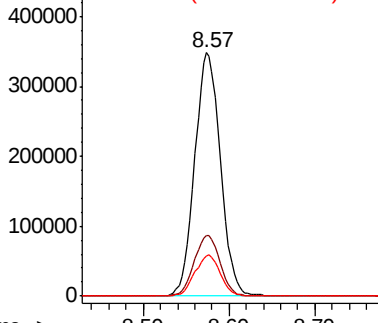
88 16.7 0.0 34.6

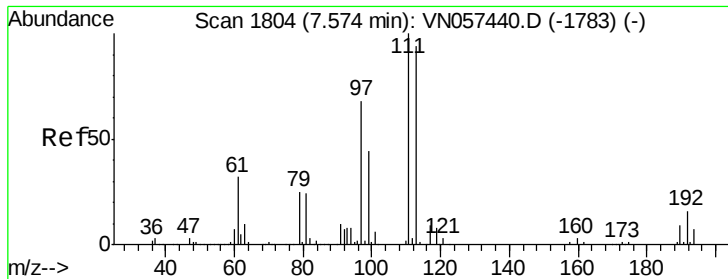


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

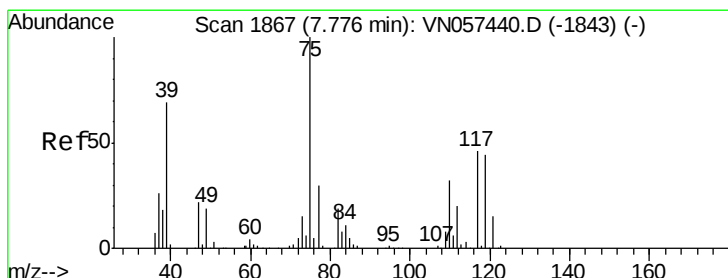
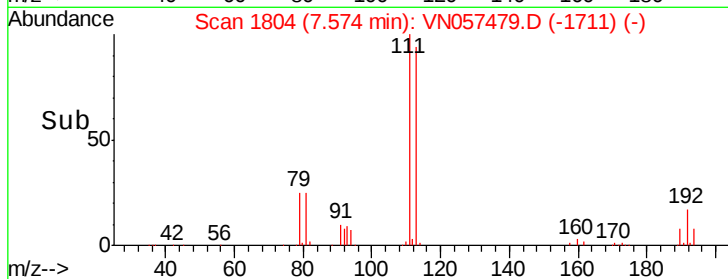
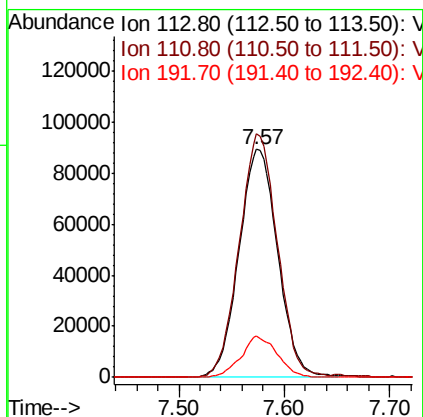
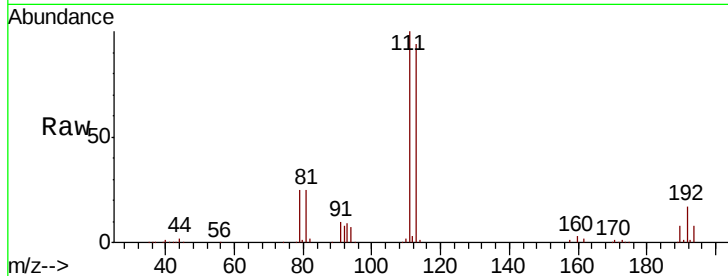




#35
 Dibromofluoromethane
 Concen: 46.767 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

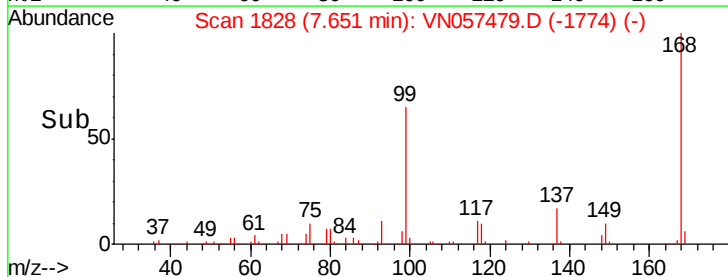
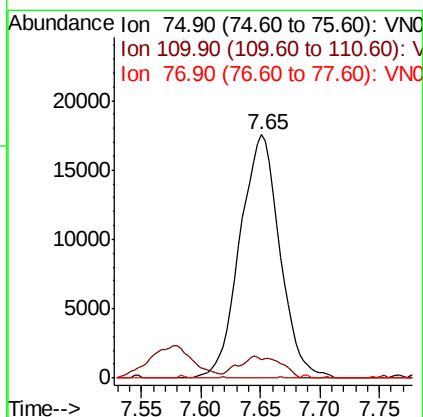
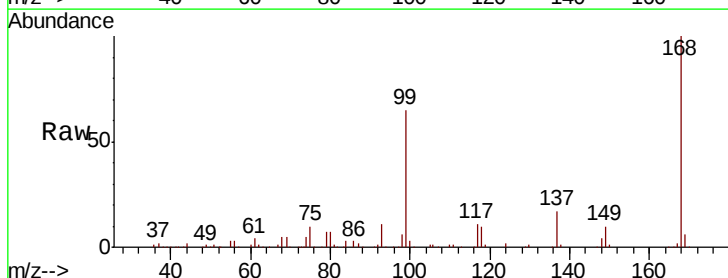
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

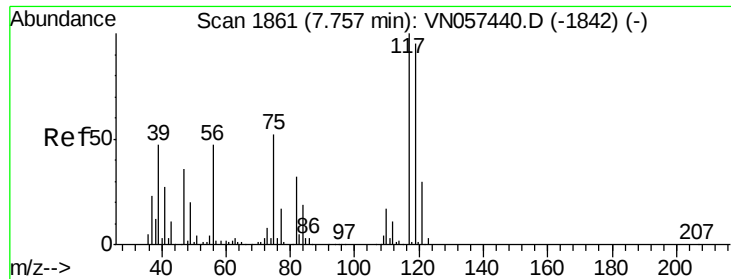
Tgt Ion: 113 Resp: 228778
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.8 125.6
 192 17.1 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 5.507 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion: 75 Resp: 40752
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.1 48.3#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

T1-S2(0)

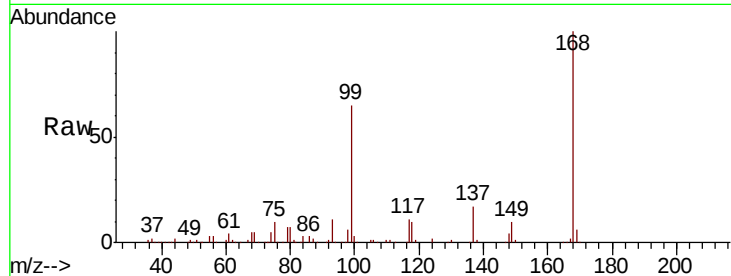
Tgt Ion:117 Resp: 46207

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

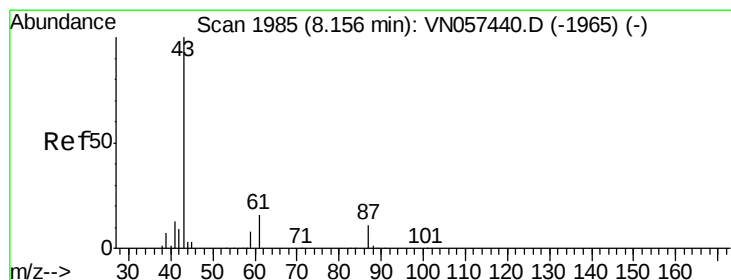
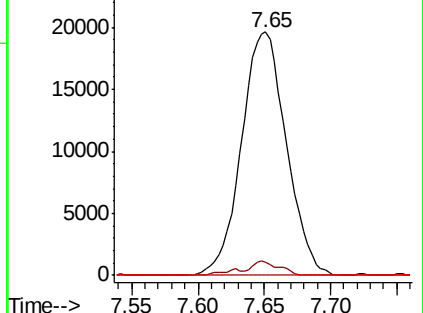
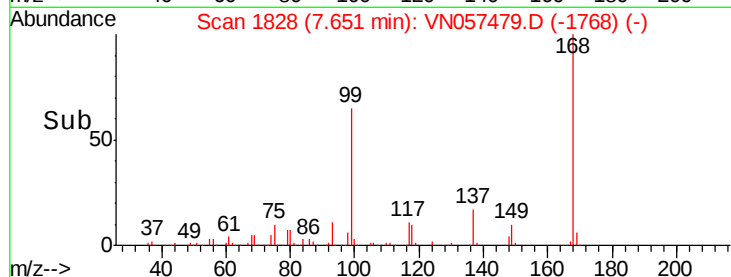
121 0.0 23.8 35.6#



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: 5.623 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

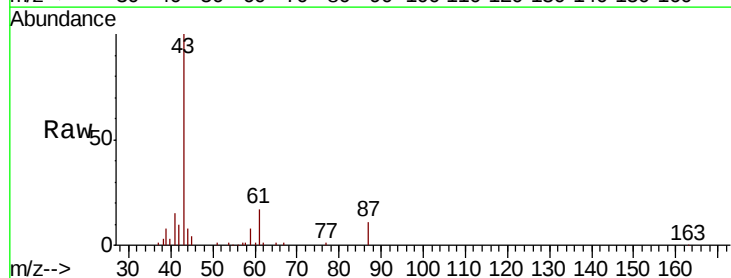
Tgt Ion: 43 Resp: 75393

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

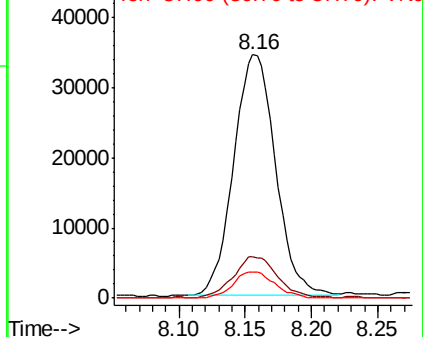
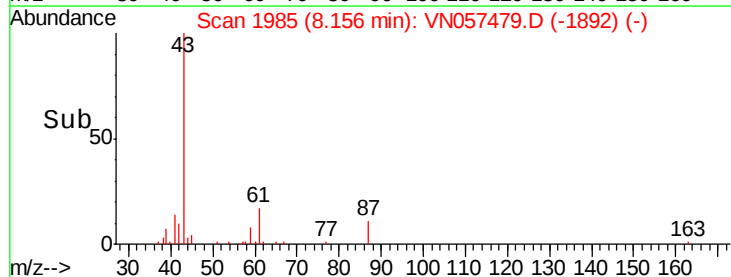
87 10.8 8.6 12.8

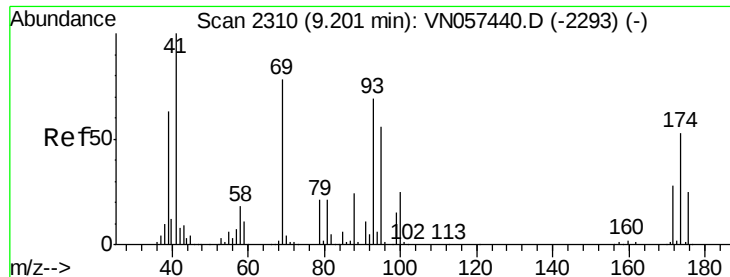


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(0)

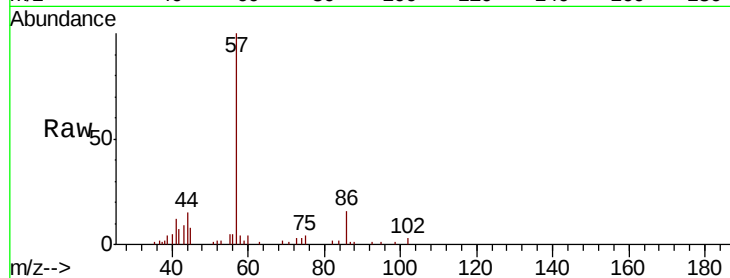
Tgt Ion: 93 Resp: 65

Ion Ratio Lower Upper

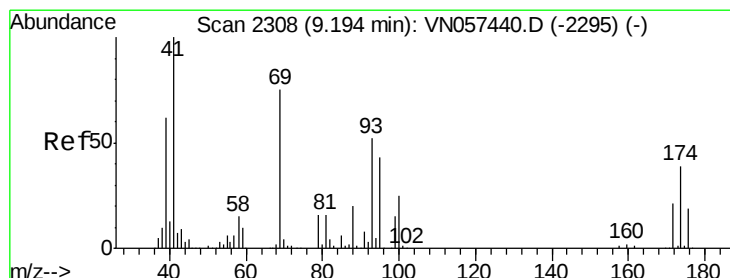
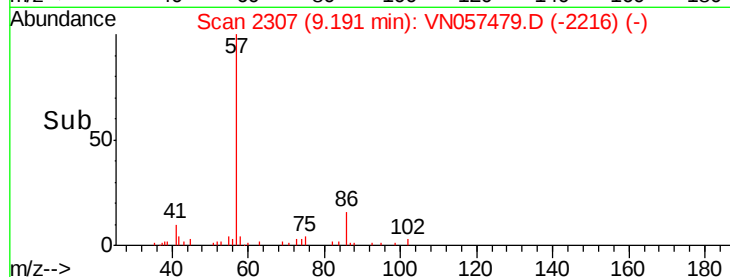
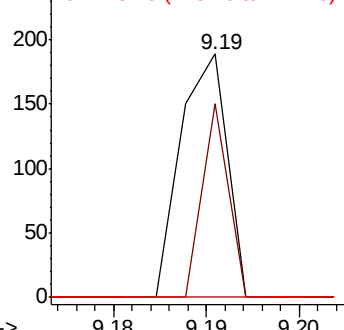
93 100

95 44.6 64.7 97.1#

174 0.0 62.3 93.5#



Abundance Ion 92.80 (92.50 to 93.50): VNC
Ion 94.80 (94.50 to 95.50): VNC
Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 0.704 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.01 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

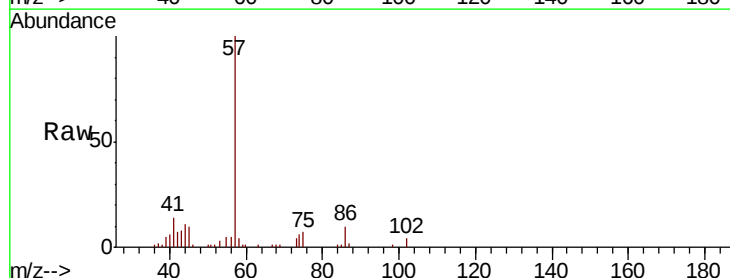
Tgt Ion: 41 Resp: 4489

Ion Ratio Lower Upper

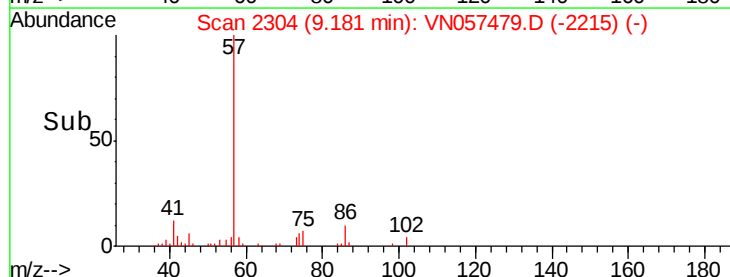
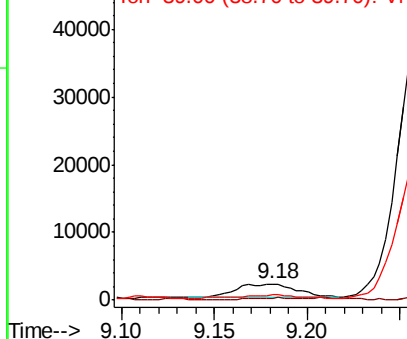
41 100

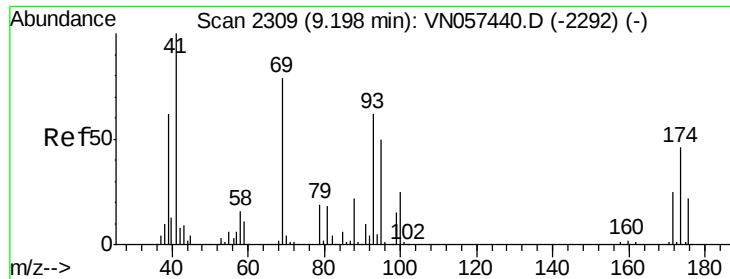
69 5.2 59.3 88.9#

39 0.0 50.6 75.8#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

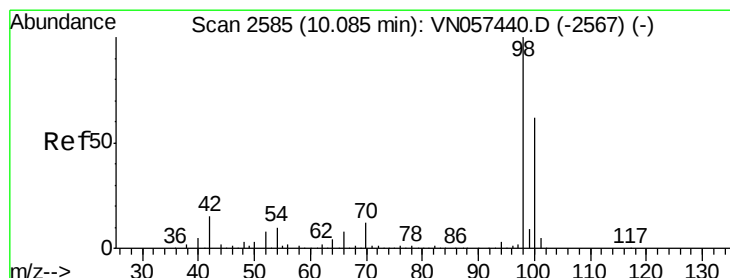
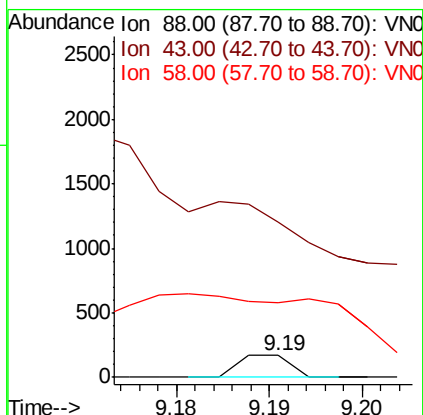
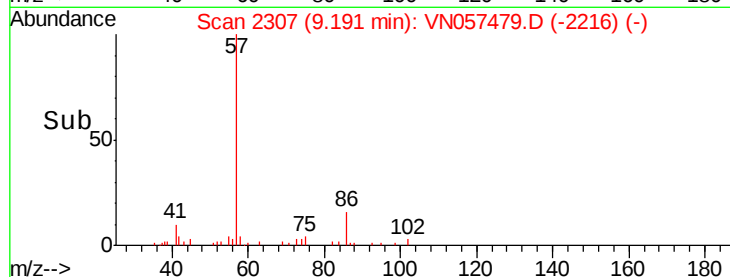
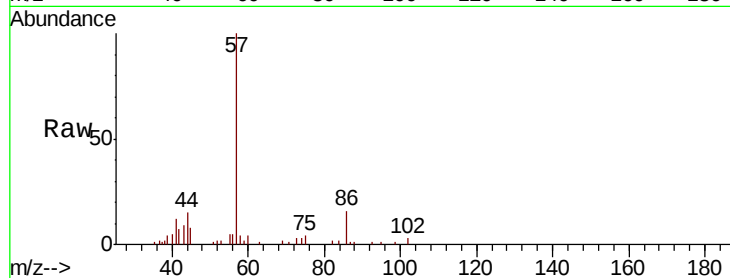




#49
 1,4-Dioxane
 Concen: 0.788 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

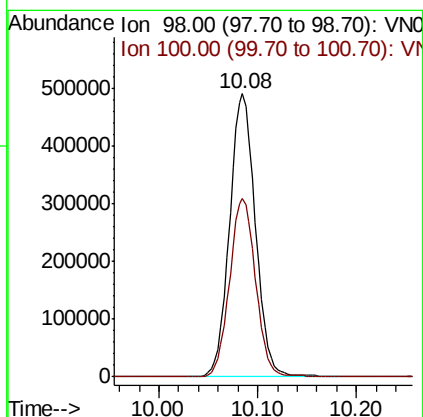
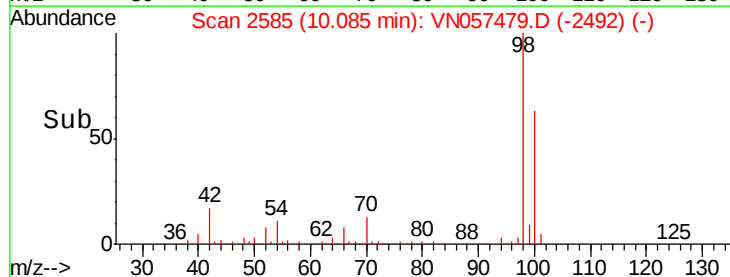
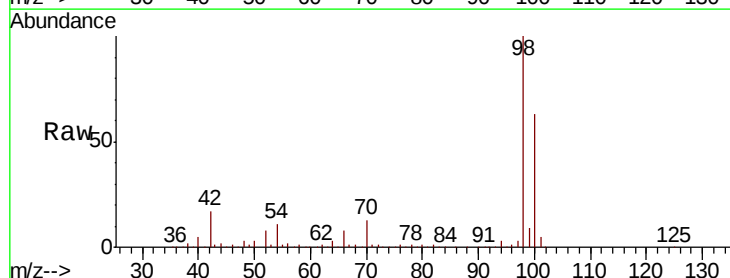
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

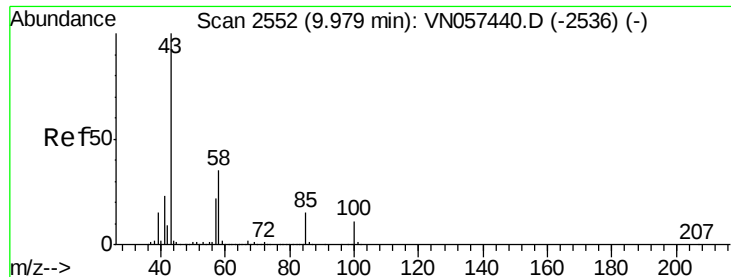
Tgt Ion: 88 Resp: 65
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.6#
 58 2266.2 64.5 96.7#



#50
 Toluene-d8
 Concen: 48.543 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion: 98 Resp: 897915
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.4 75.6

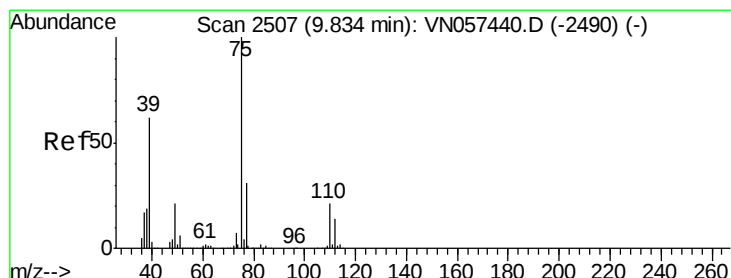
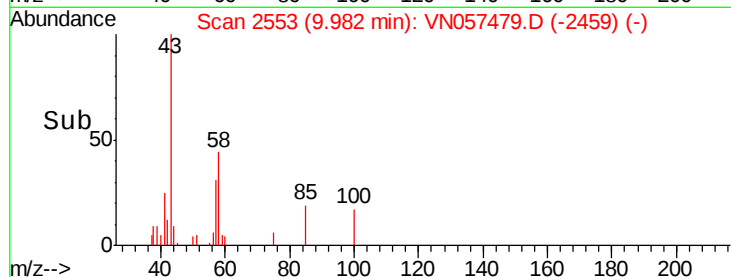
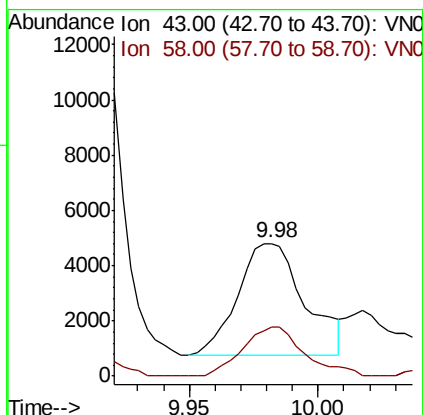
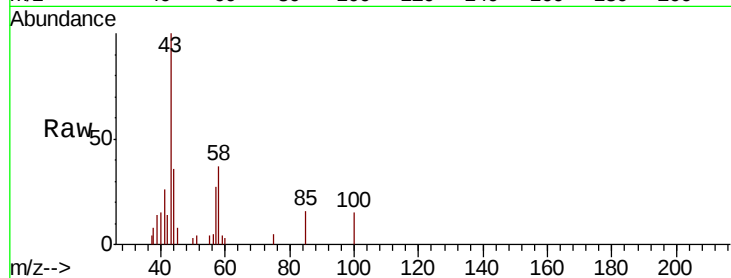




#51
 4-Methyl-2-Pentanone
 Concen: 0.983 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

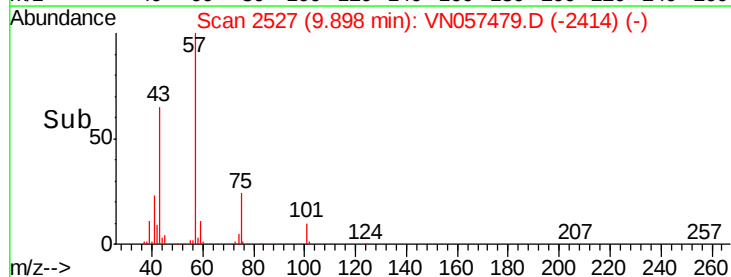
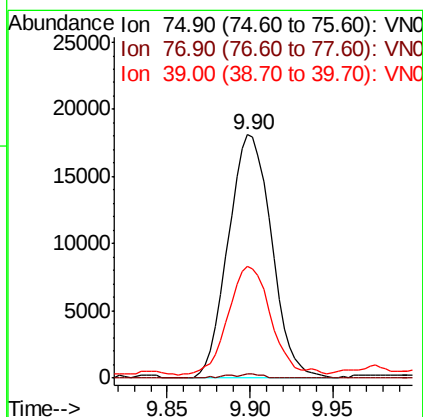
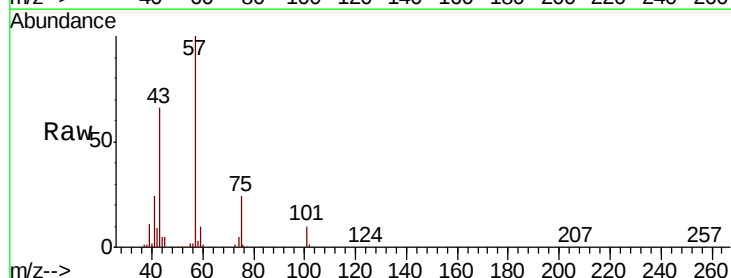
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

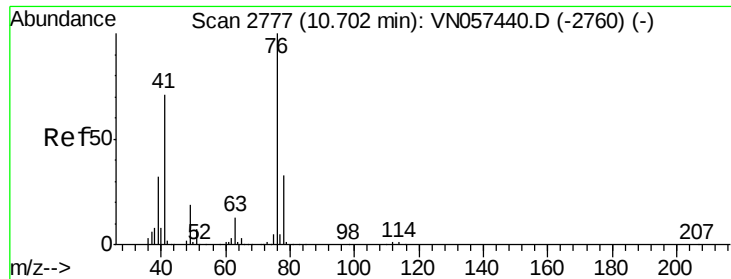
Tgt Ion: 43 Resp: 7347
 Ion Ratio Lower Upper
 43 100
 58 40.6 27.9 41.9



#54
 cis-1,3-Dichloropropene
 Concen: 3.419 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion: 75 Resp: 32905
 Ion Ratio Lower Upper
 75 100
 77 1.6 25.0 37.6#
 39 44.3 49.2 73.8#





#57

1,3-Dichloropropane

Concen: 0.451 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

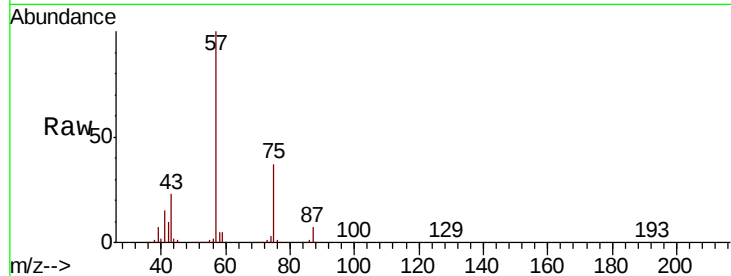
T1-S2(0)

Tgt Ion: 76 Resp: 4060

Ion Ratio Lower Upper

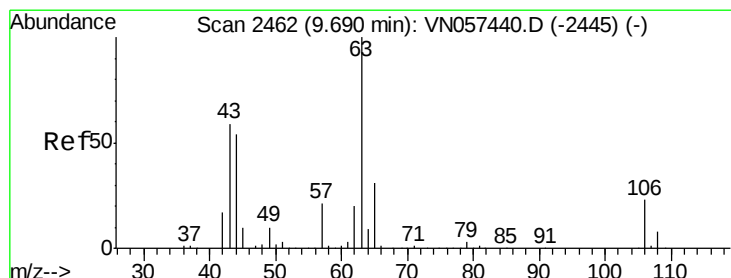
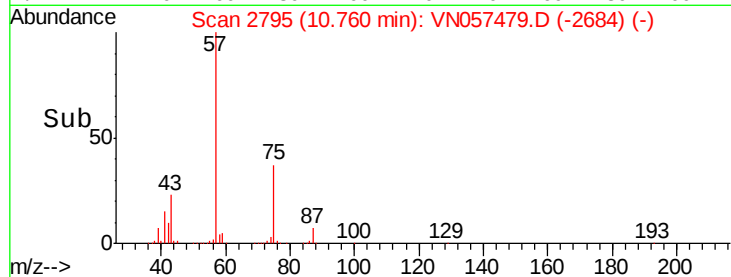
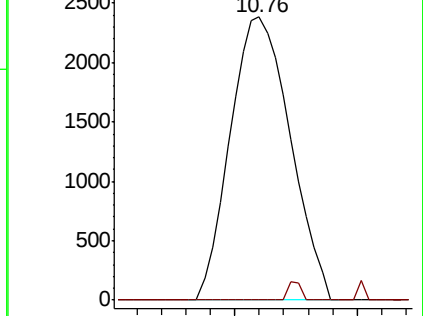
76 100

78 1.4 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 17.184 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.01 min

Lab File: VN057479.D

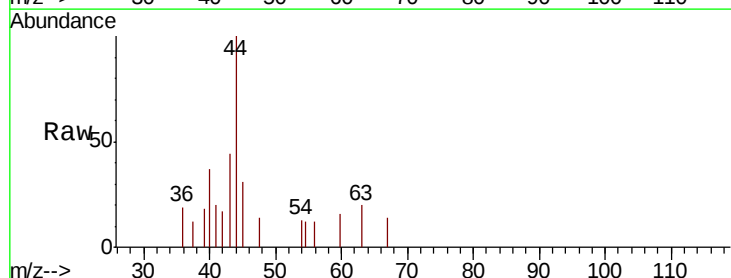
Acq: 23 Aug 2019 18:20

Tgt Ion: 63 Resp: 290

Ion Ratio Lower Upper

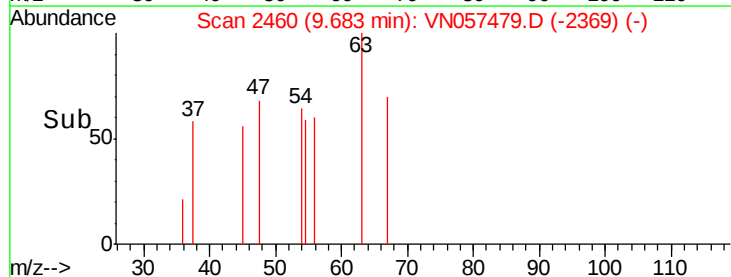
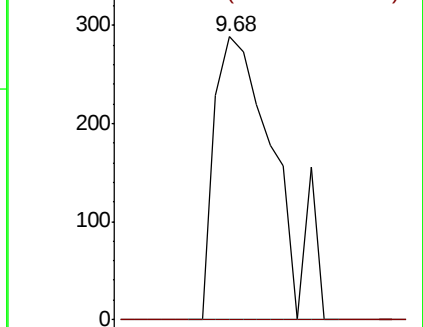
63 100

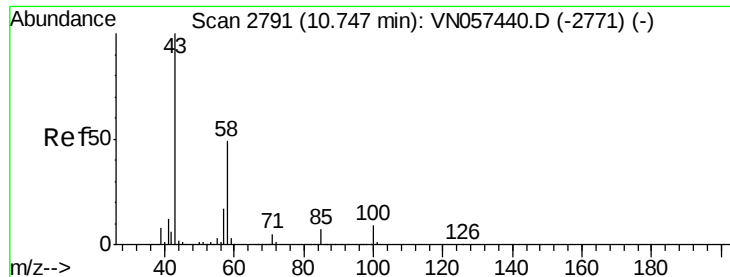
106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 13.247 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

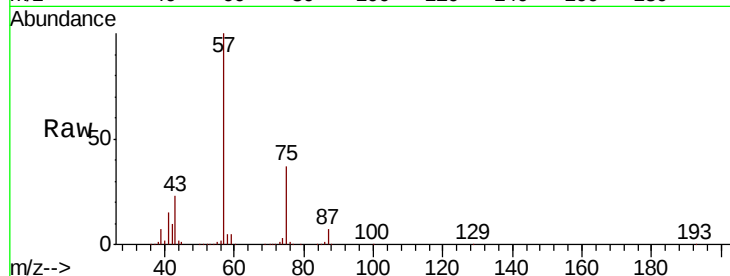
T1-S2(0)

Tgt Ion: 43 Resp: 67896

Ion Ratio Lower Upper

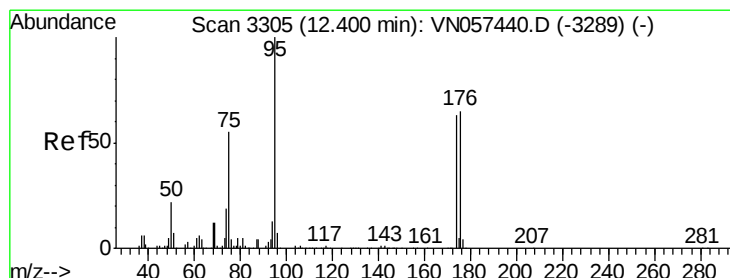
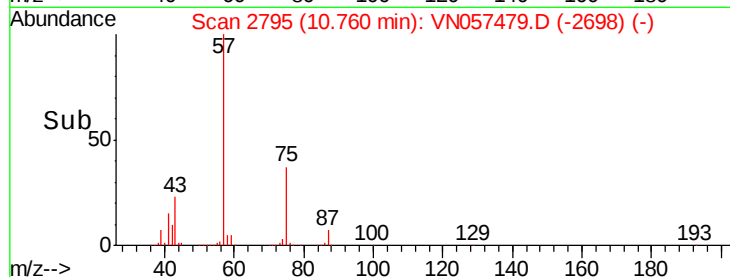
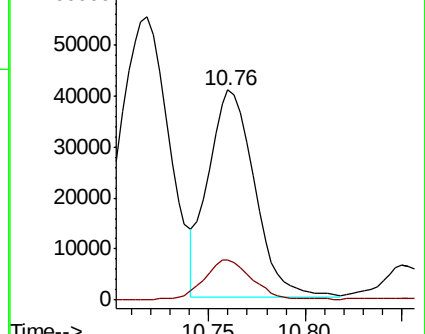
43 100

58 20.4 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 38.351 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

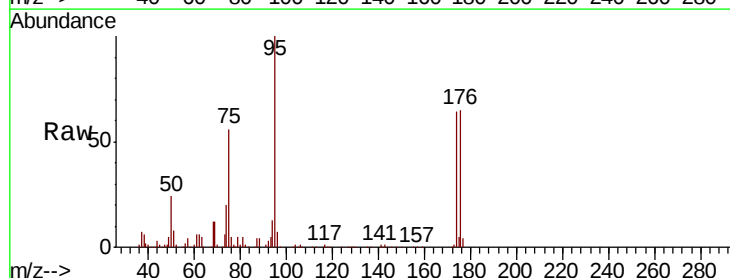
Tgt Ion: 95 Resp: 240402

Ion Ratio Lower Upper

95 100

174 66.3 0.0 133.0

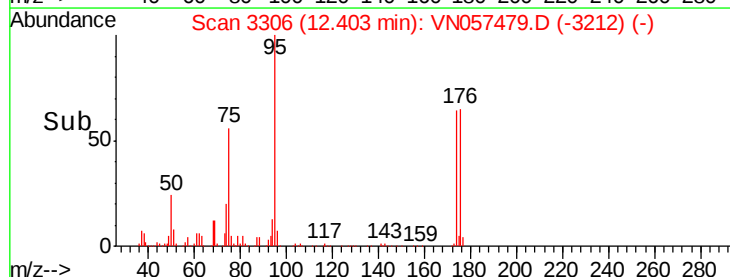
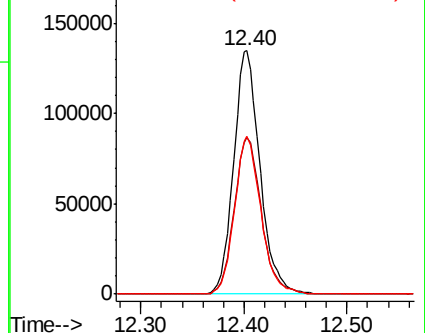
176 64.8 0.0 130.8

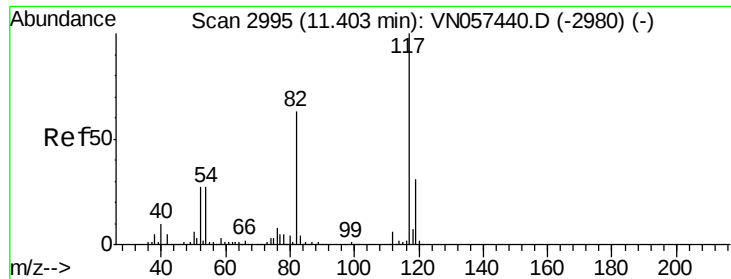


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

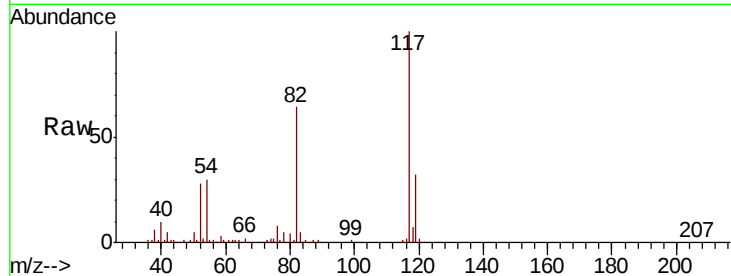




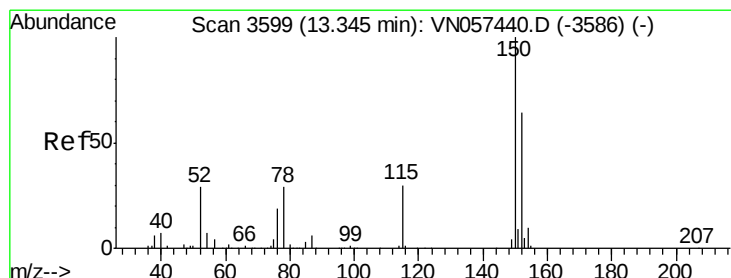
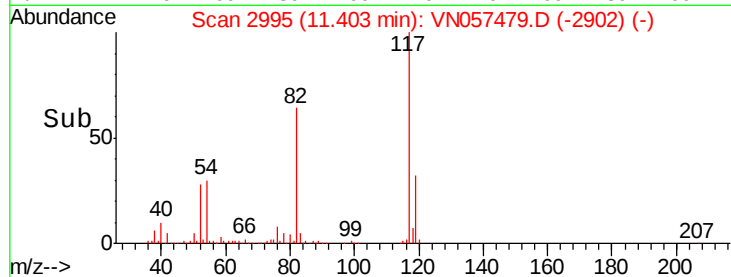
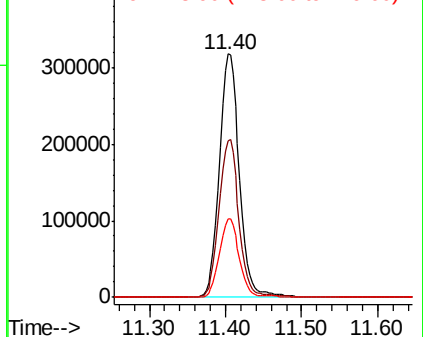
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057479.D
Acq: 23 Aug 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
T1-S2(0)

Tgt Ion:117 Resp: 578808
Ion Ratio Lower Upper
117 100
82 64.5 50.6 75.8
119 32.3 24.6 36.8

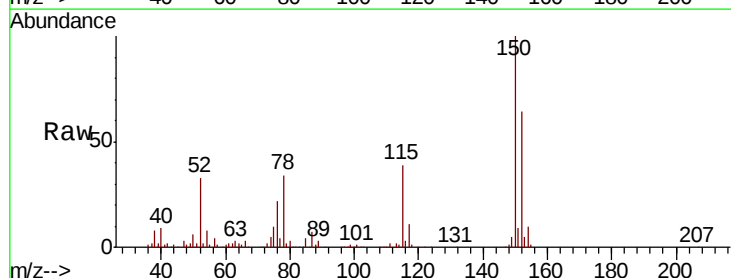


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

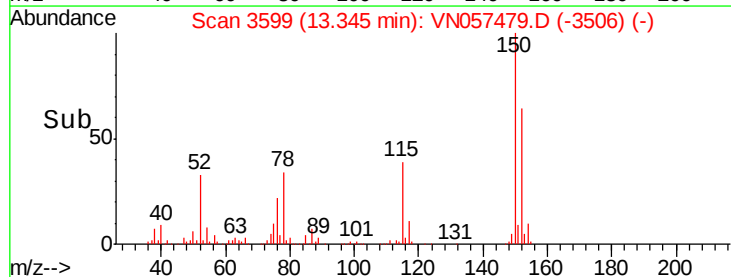
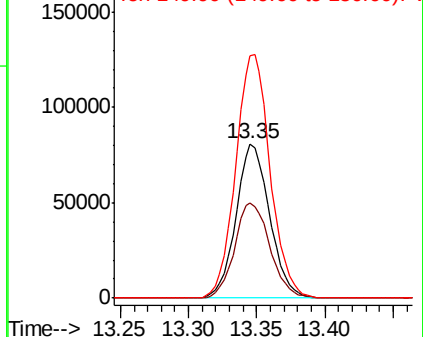


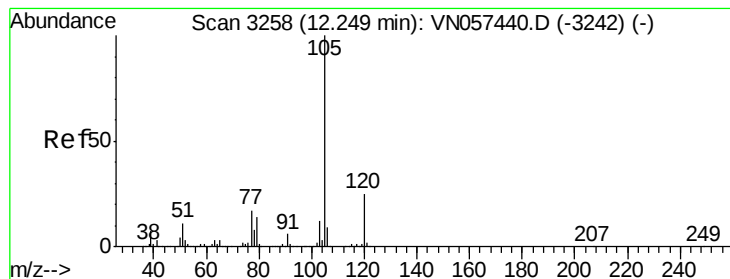
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057479.D
Acq: 23 Aug 2019 18:20

Tgt Ion:152 Resp: 138523
Ion Ratio Lower Upper
152 100
115 64.7 32.0 96.0
150 161.0 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: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

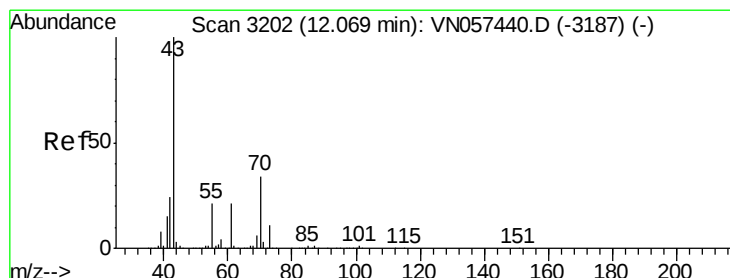
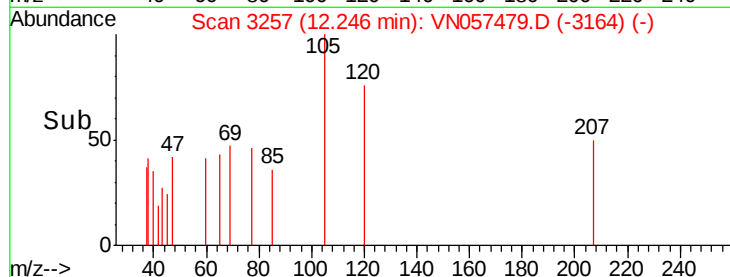
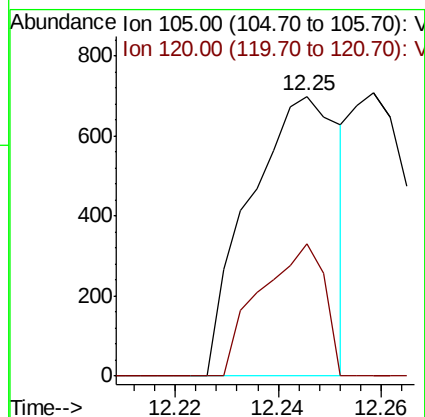
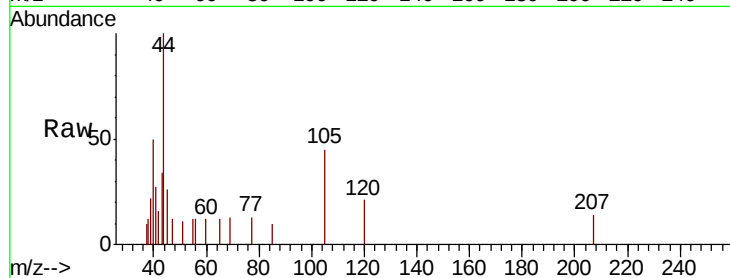
T1-S2(0)

Tgt Ion:105 Resp: 840

Ion Ratio Lower Upper

105 100

120 33.8 12.7 38.0



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Tgt Ion: 43 Resp: 2294

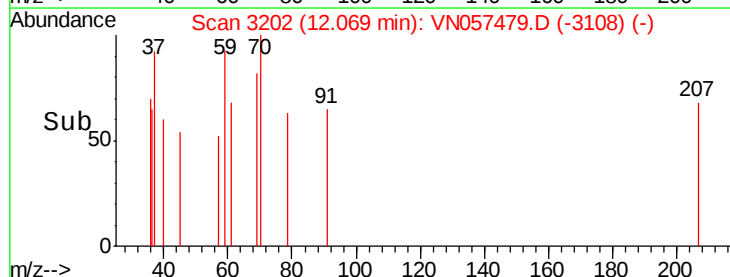
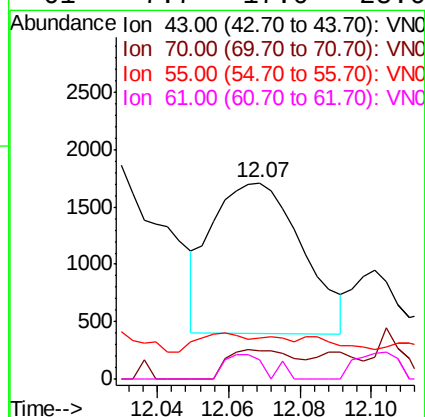
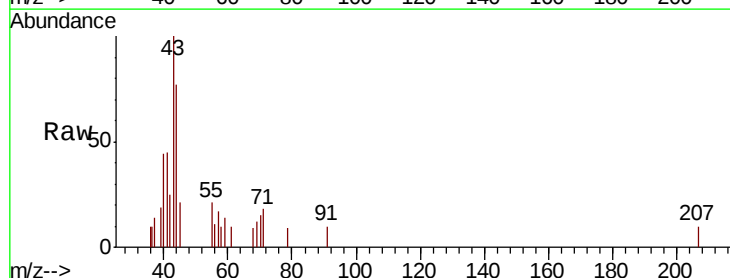
Ion Ratio Lower Upper

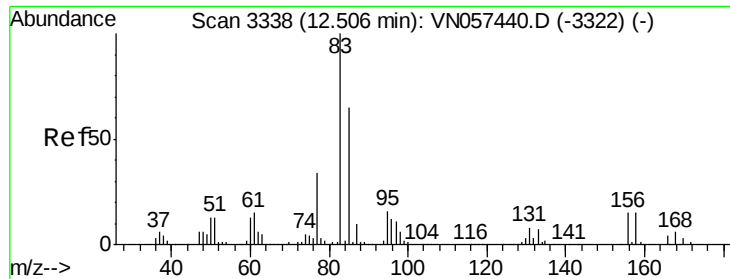
43 100

70 14.6 27.8 41.6#

55 13.5 17.0 25.4#

61 7.7 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.02 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(0)

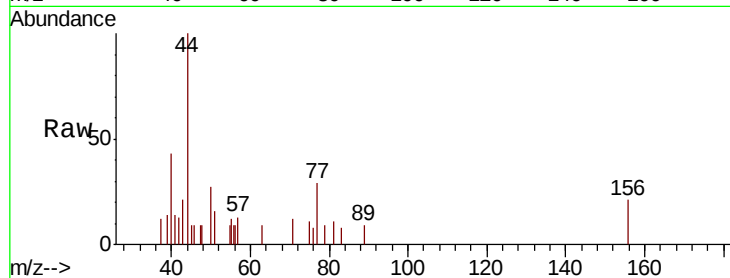
Tgt Ion: 83 Resp: 30

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): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.53

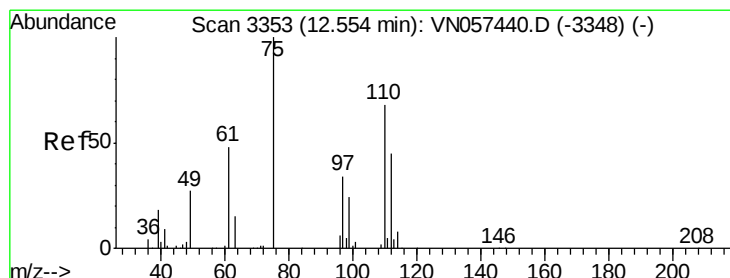
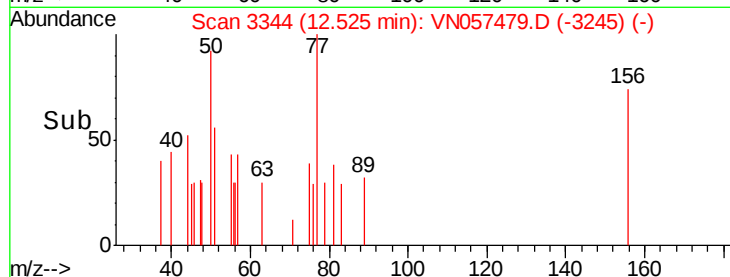
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.698 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057479.D

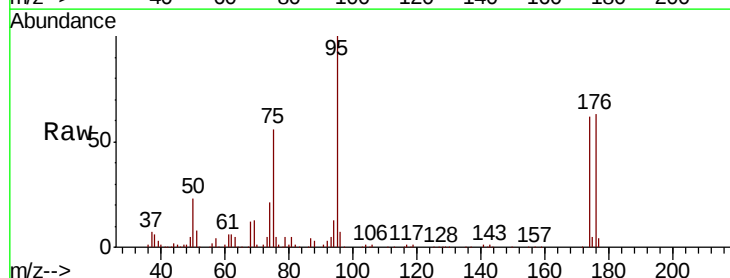
Acq: 23 Aug 2019 18:20

Tgt Ion: 75 Resp: 138265

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

80000

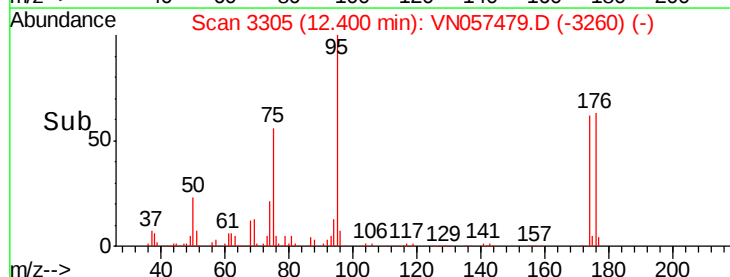
60000

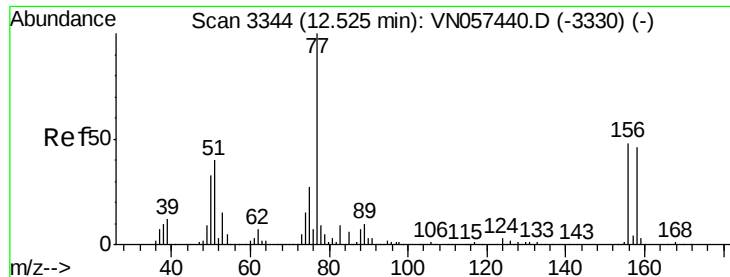
40000

20000

0

Time-->





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

T1-S2(0)

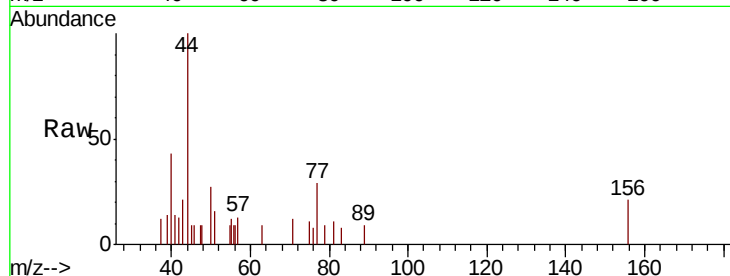
Tgt Ion:156 Resp: 293

Ion Ratio Lower Upper

156 100

77 445.4 124.4 373.3#

158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

600

400

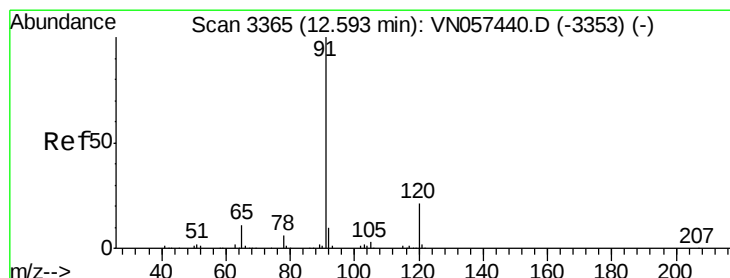
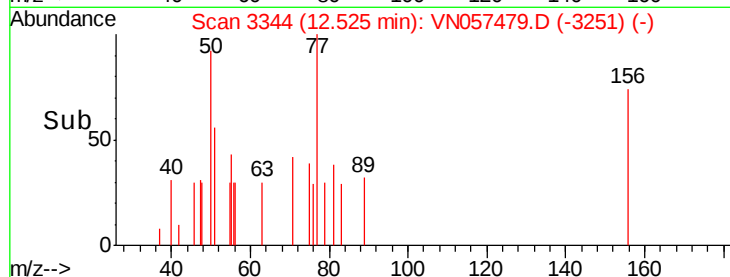
200

0

12.50 12.52 12.54

12.53

Time-->



#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057479.D

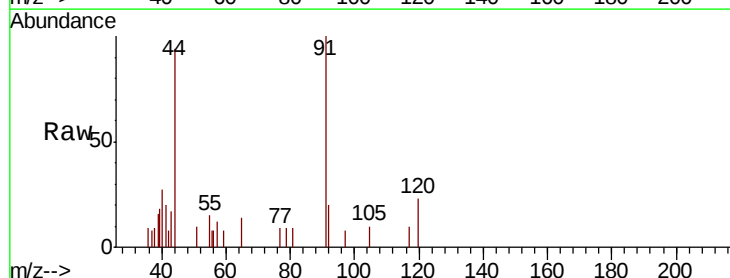
Acq: 23 Aug 2019 18:20

Tgt Ion: 91 Resp: 2879

Ion Ratio Lower Upper

91 100

120 16.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

2000

1500

1000

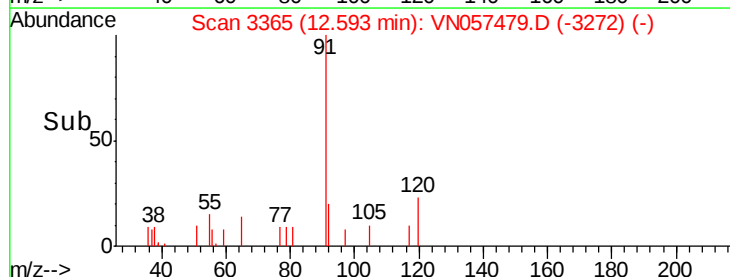
500

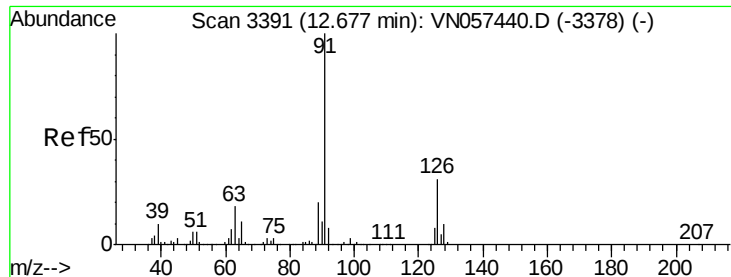
0

12.55 12.60

12.59

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

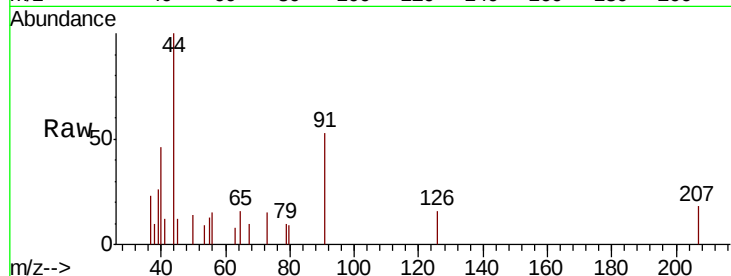
T1-S2(0)

Tgt Ion: 91 Resp: 1283

Ion Ratio Lower Upper

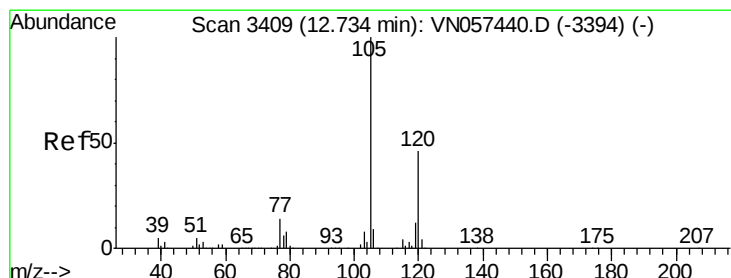
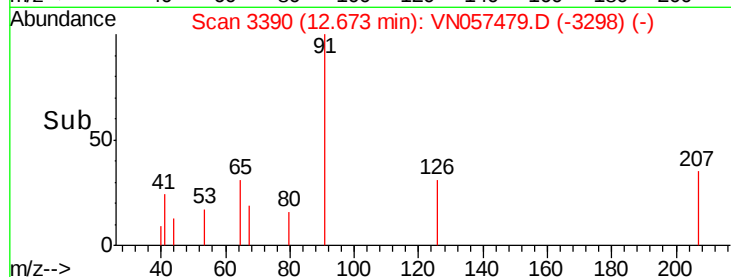
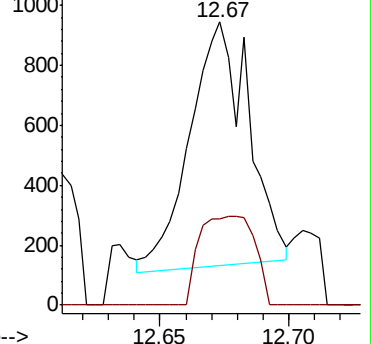
91 100

126 34.6 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057440.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057479.D

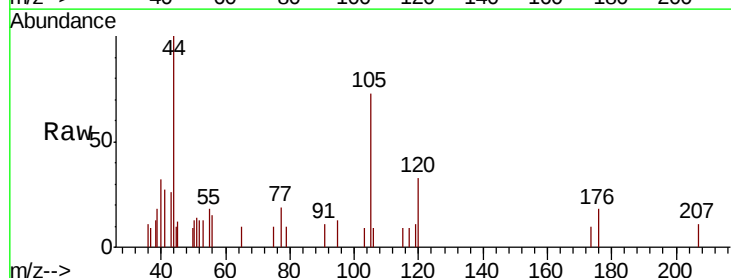
Acq: 23 Aug 2019 18:20

Tgt Ion: 105 Resp: 2382

Ion Ratio Lower Upper

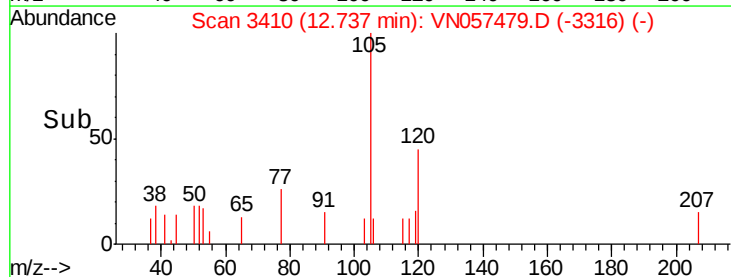
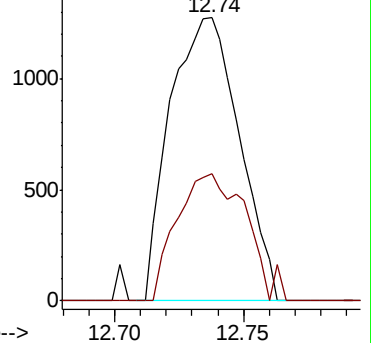
105 100

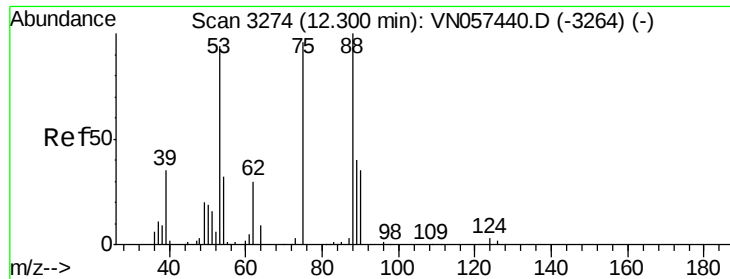
120 45.1 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057440.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057440.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 114.621 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(0)

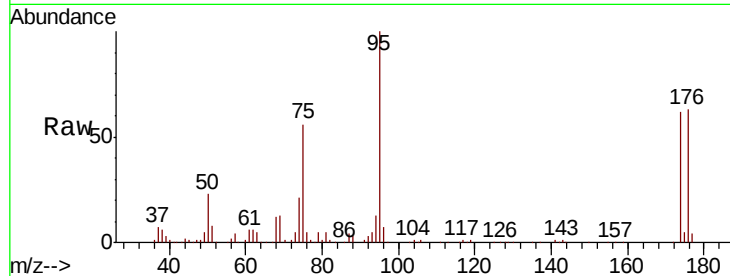
Tgt Ion: 75 Resp: 138265

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

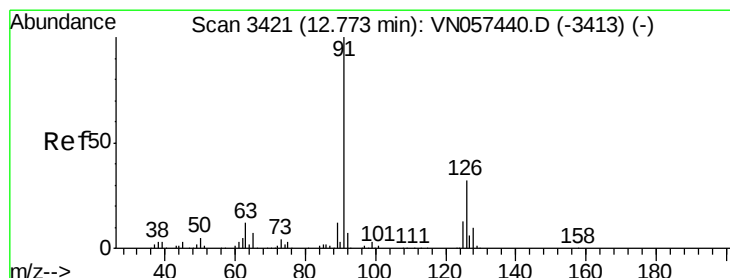
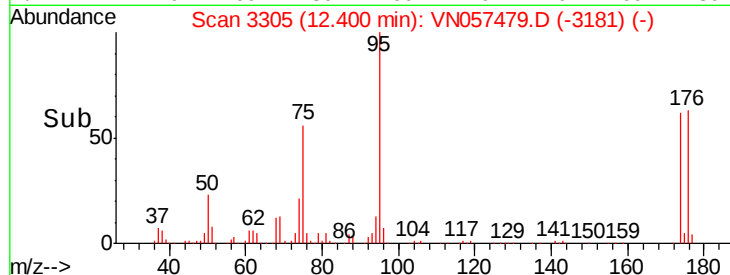
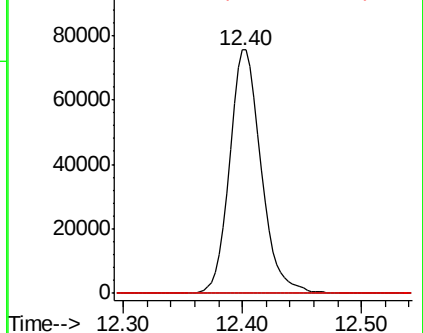
89 0.1 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN057479.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN057479.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN057479.D (-3181) (-)



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057479.D

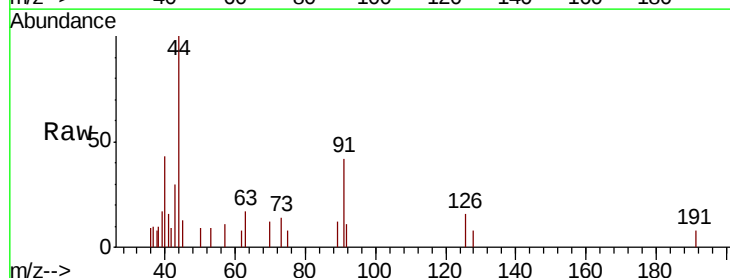
Acq: 23 Aug 2019 18:20

Tgt Ion: 91 Resp: 2050

Ion Ratio Lower Upper

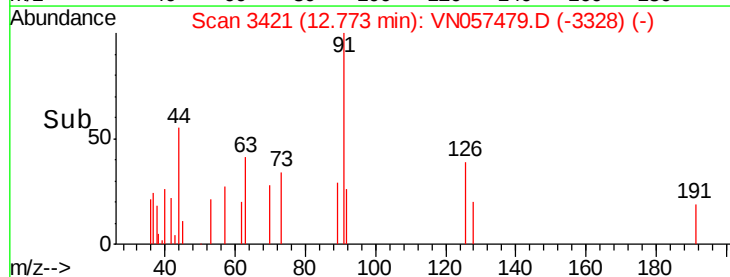
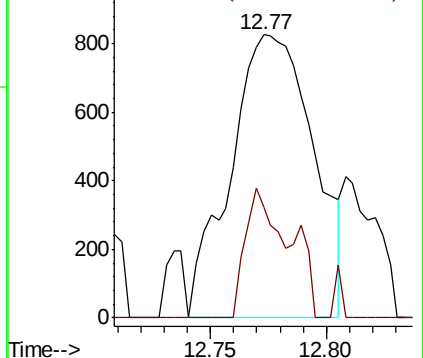
91 100

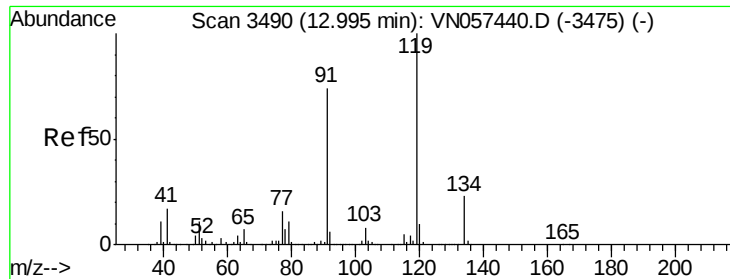
126 17.7 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN057479.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN057479.D (-3328) (-)

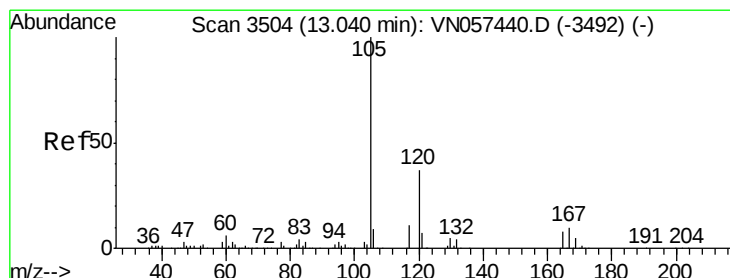
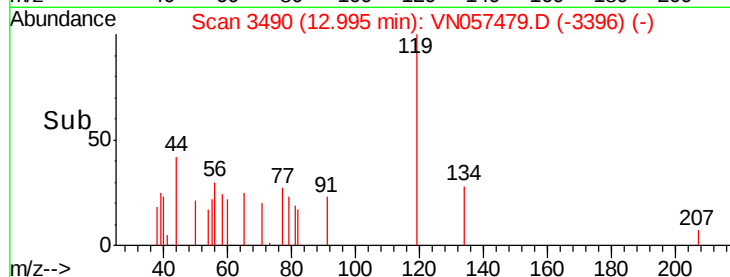
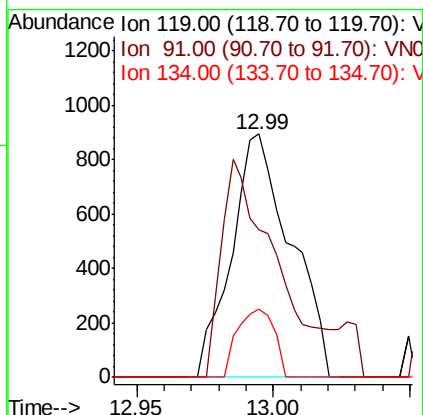
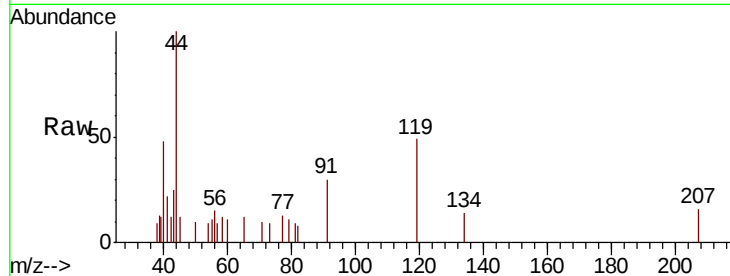




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

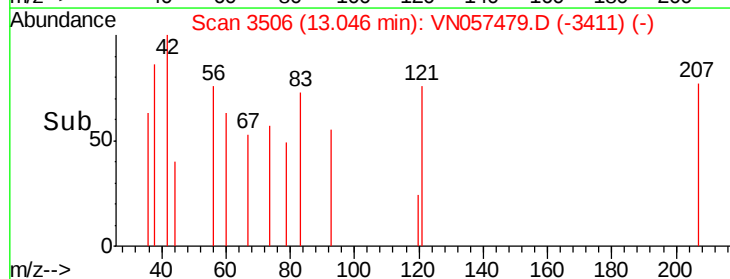
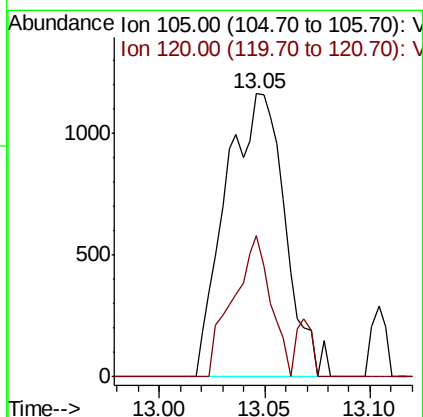
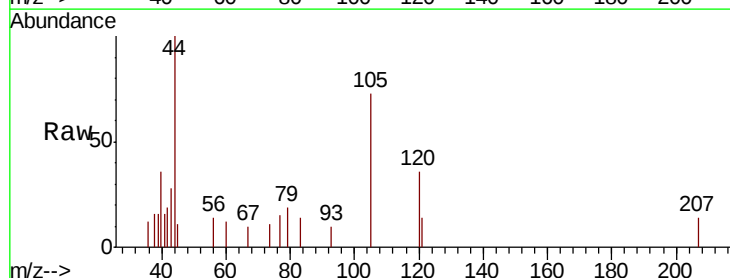
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

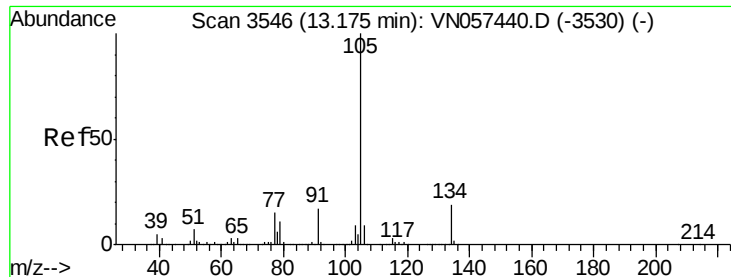
Tgt Ion:119 Resp: 1349
 Ion Ratio Lower Upper
 119 100
 91 83.5 37.0 111.0
 134 17.3 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 0.212 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.01 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion:105 Resp: 2279
 Ion Ratio Lower Upper
 105 100
 120 31.5 21.9 65.7

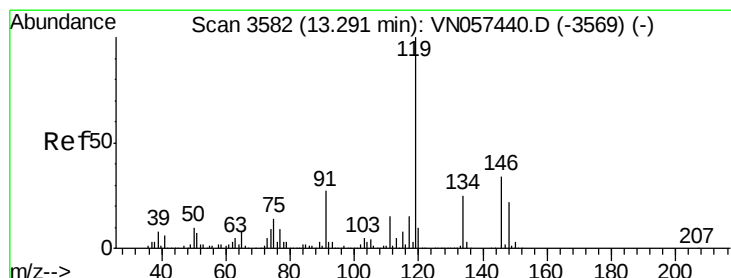
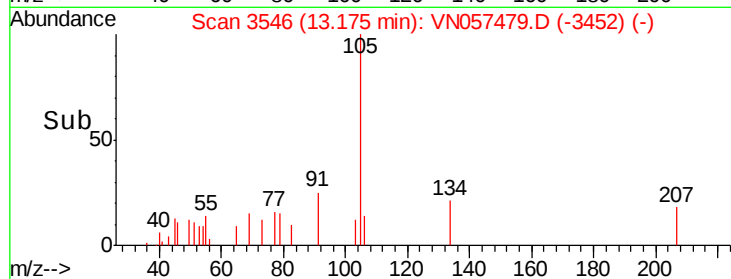
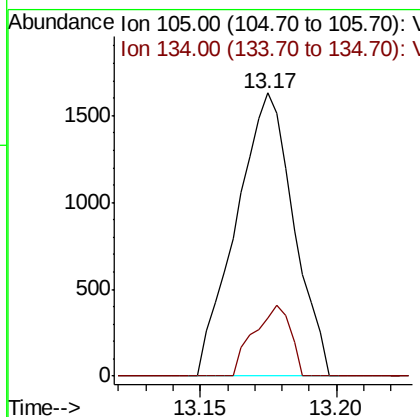
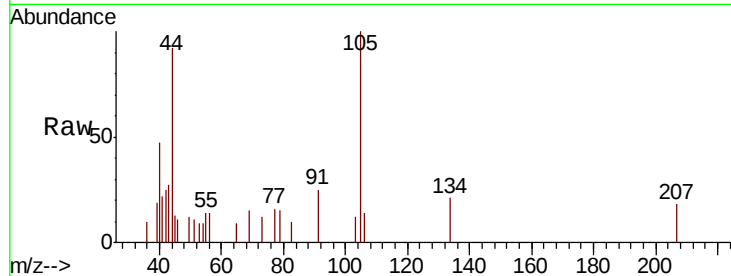




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

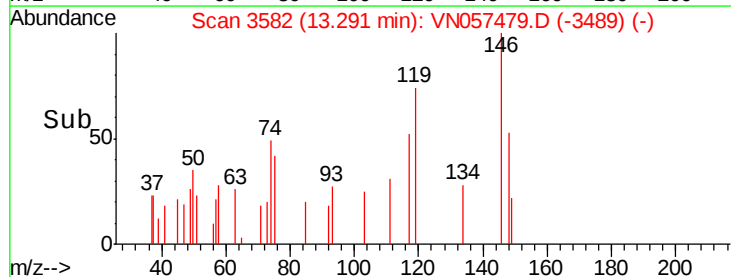
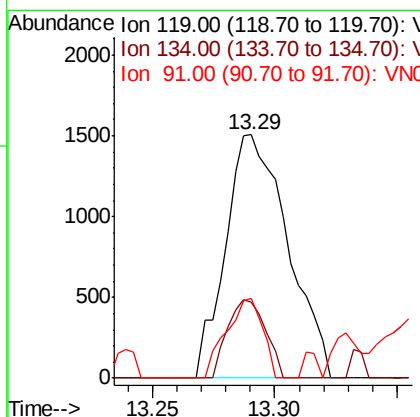
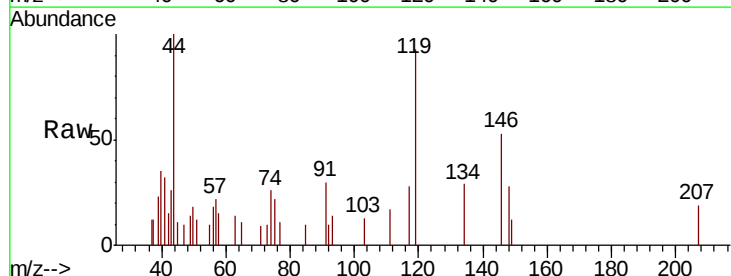
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

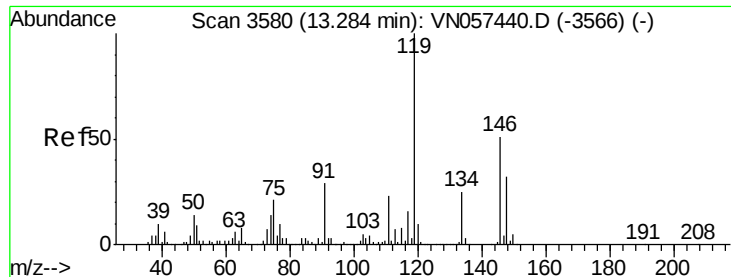
Tgt Ion:105 Resp: 2376
 Ion Ratio Lower Upper
 105 100
 134 15.9 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 0.246 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion:119 Resp: 2669
 Ion Ratio Lower Upper
 119 100
 134 19.7 12.7 38.1
 91 19.1 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 0.348 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(0)

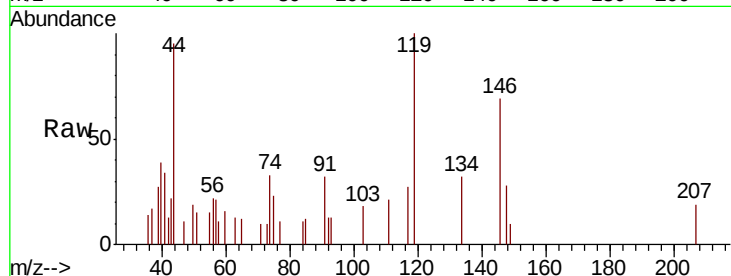
Tgt Ion:146 Resp: 1558

Ion Ratio Lower Upper

146 100

111 20.3 22.1 66.1#

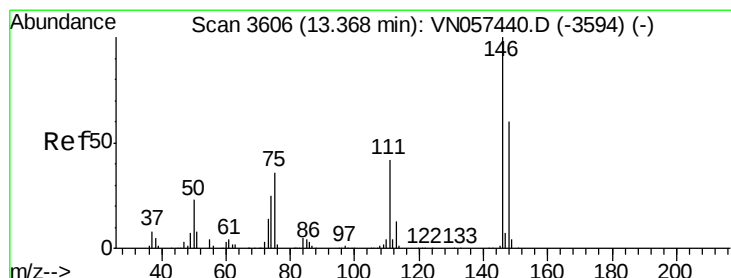
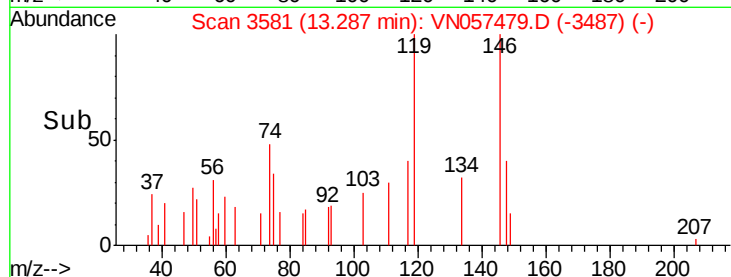
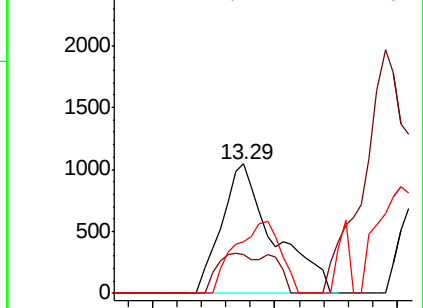
148 48.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.356 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

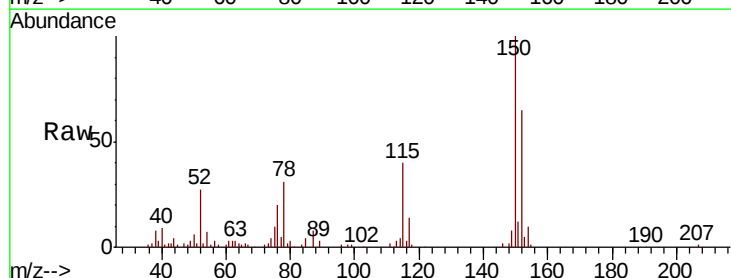
Tgt Ion:146 Resp: 1561

Ion Ratio Lower Upper

146 100

111 224.2 21.9 65.5#

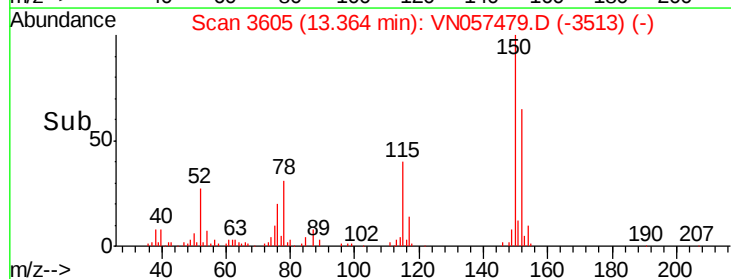
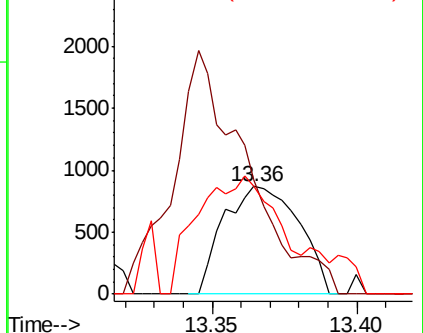
148 116.8 31.1 93.2#

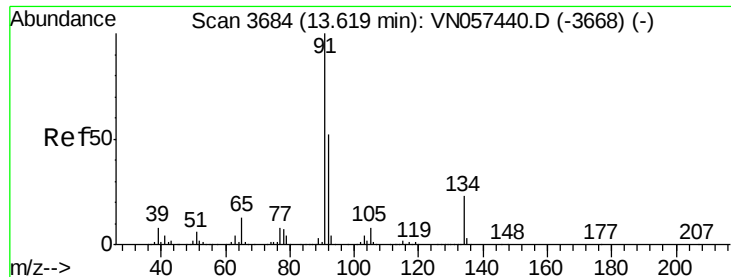


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.353 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

T1-S2(0)

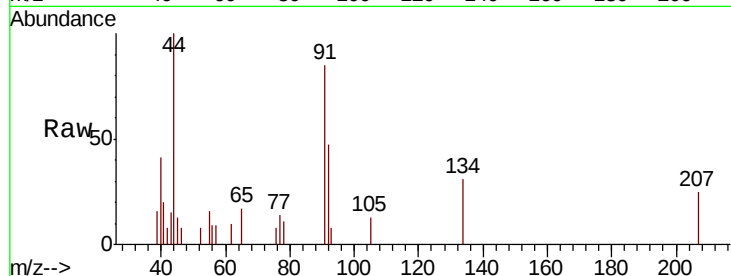
Tgt Ion: 91 Resp: 3237

Ion Ratio Lower Upper

91 100

92 46.0 25.7 77.0

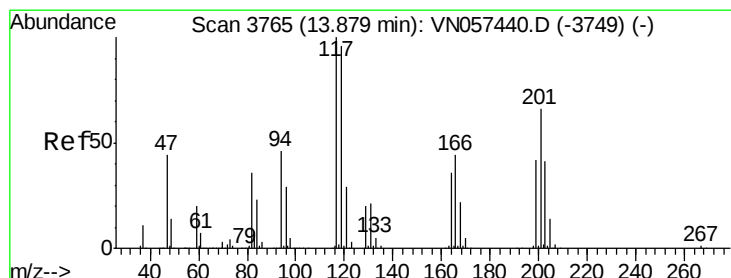
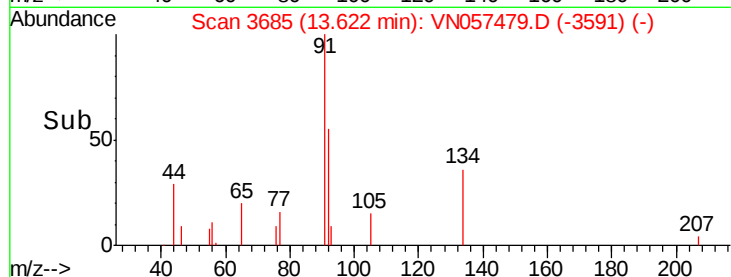
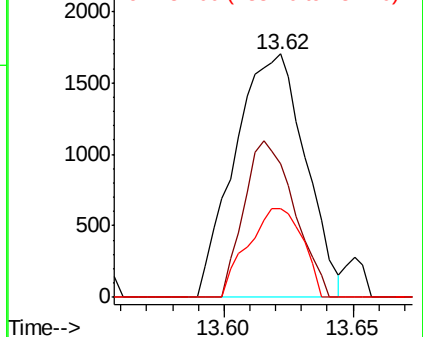
134 28.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.78 min Scan# 3734

Delta R.T. -0.10 min

Lab File: VN057479.D

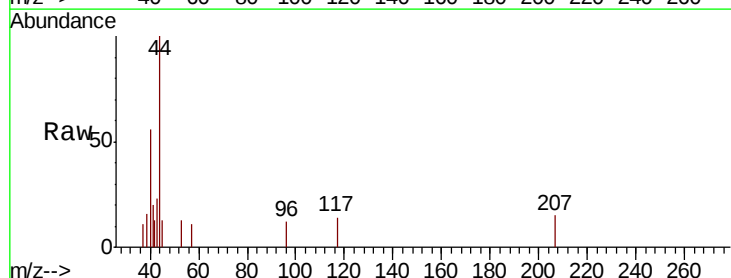
Acq: 23 Aug 2019 18:20

Tgt Ion: 117 Resp: 78

Ion Ratio Lower Upper

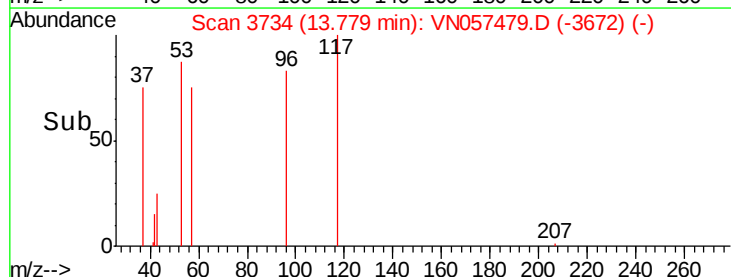
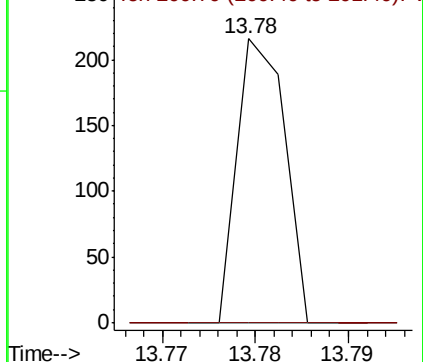
117 100

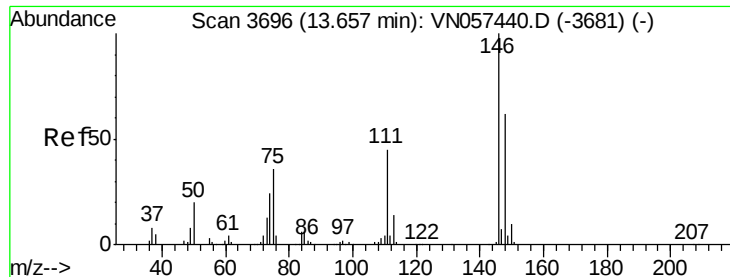
201 0.0 33.1 99.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

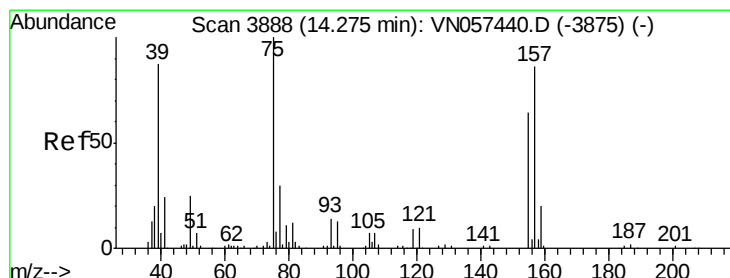
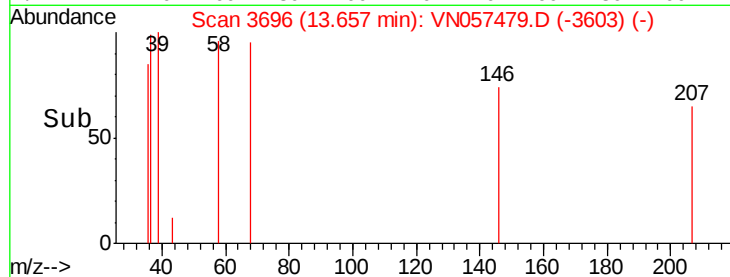
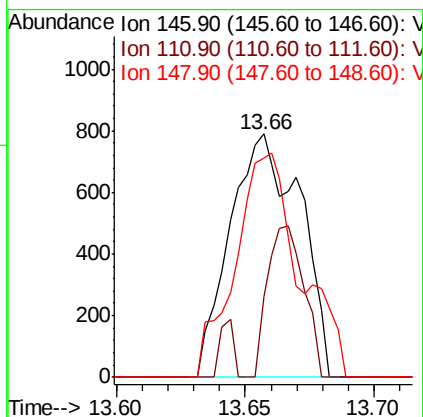
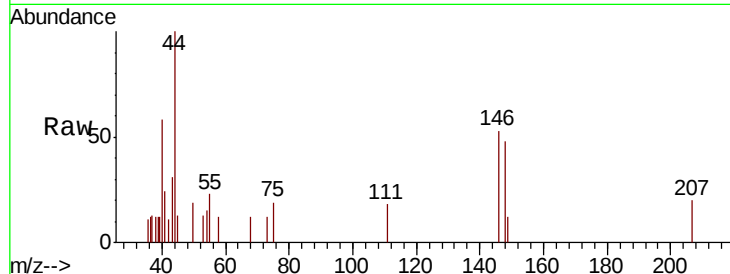




#91
 1,2-Dichlorobenzene
 Concen: 0.350 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

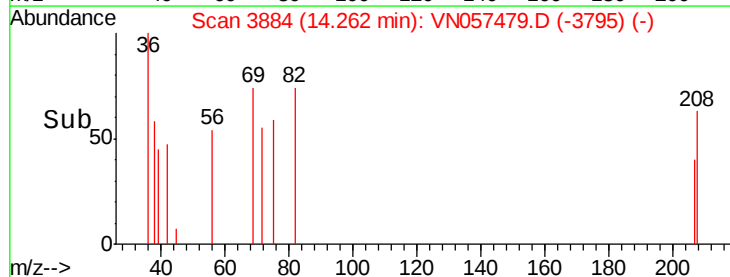
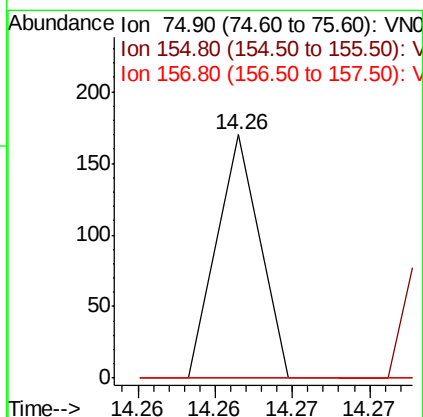
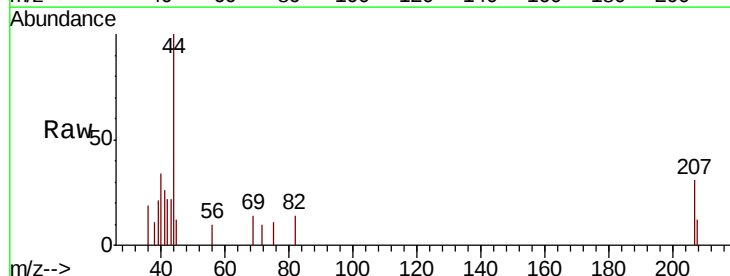
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S2(0)

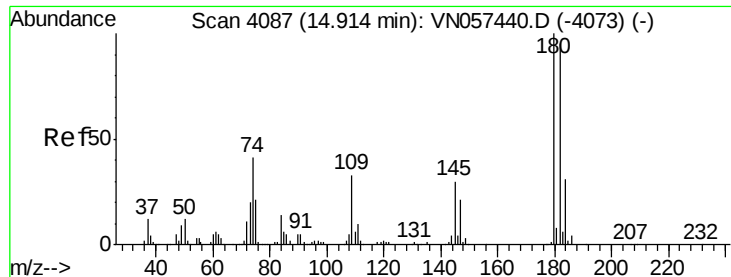
Tgt Ion: 146 Resp: 1497
 Ion Ratio Lower Upper
 146 100
 111 32.5 23.1 69.2
 148 85.0 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion: 75 Resp: 33
 Ion Ratio Lower Upper
 75 100
 155 178.8 31.6 94.7#
 157 0.0 43.3 129.8#

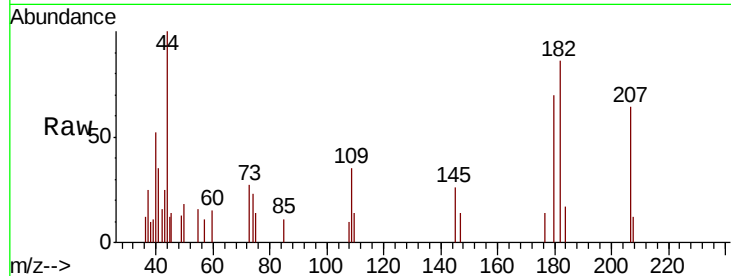




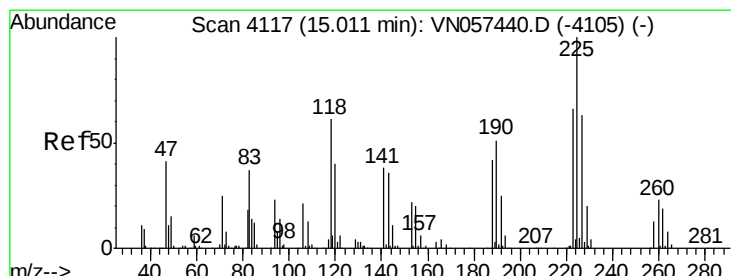
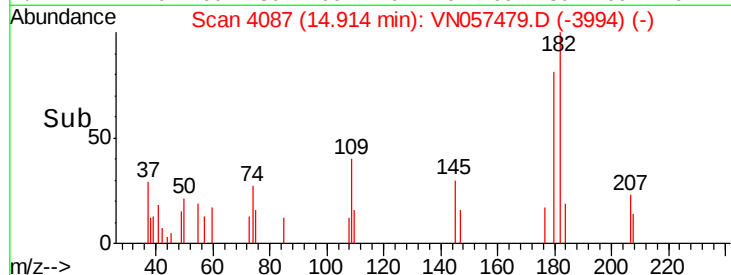
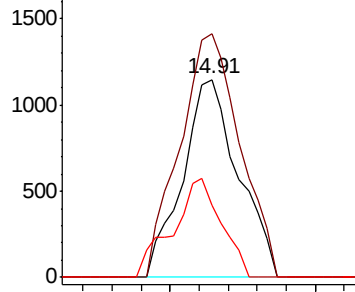
#93
 1,2,4-Trichlorobenzene
 Concen: 6.165 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 T1-S2(0)

Tgt Ion:180 Resp: 1536
 Ion Ratio Lower Upper
 180 100
 182 132.8 46.7 140.1
 145 43.7 15.6 46.8

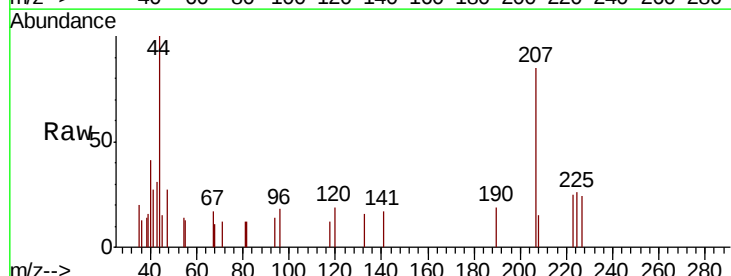


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

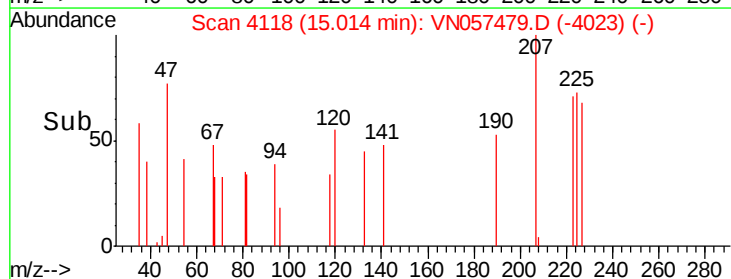
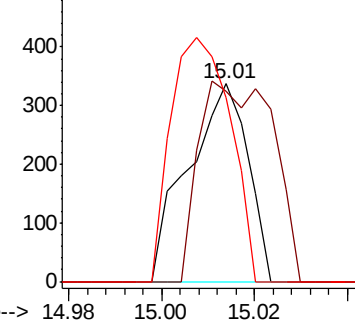


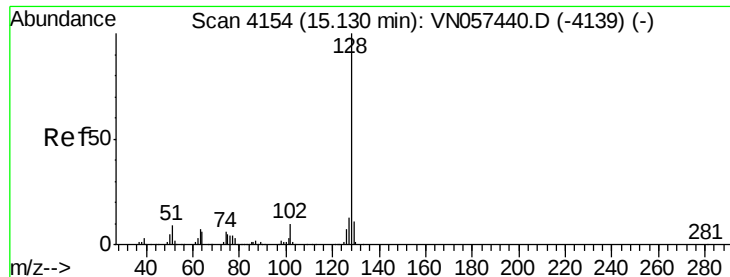
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057479.D
 Acq: 23 Aug 2019 18:20

Tgt Ion:225 Resp: 305
 Ion Ratio Lower Upper
 225 100
 223 124.3 32.0 96.2#
 227 122.0 31.5 94.5#



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: 5.336 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

T1-S2(0)

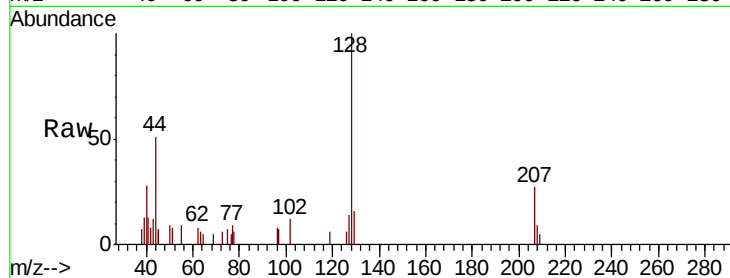
Tgt Ion:128 Resp: 6016

Ion Ratio Lower Upper

128 100

127 10.7 10.5 15.7

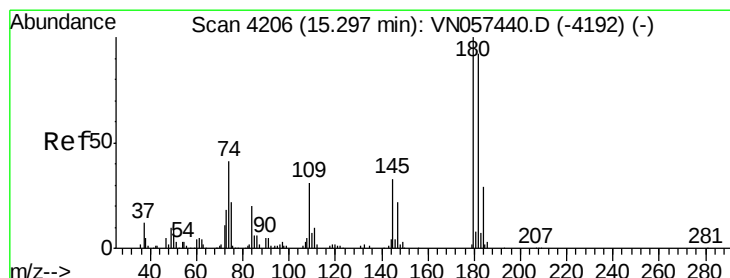
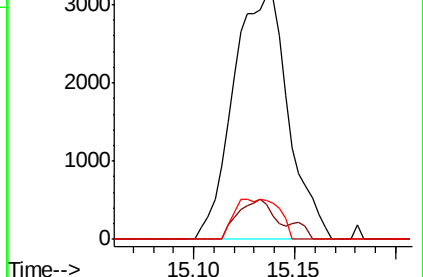
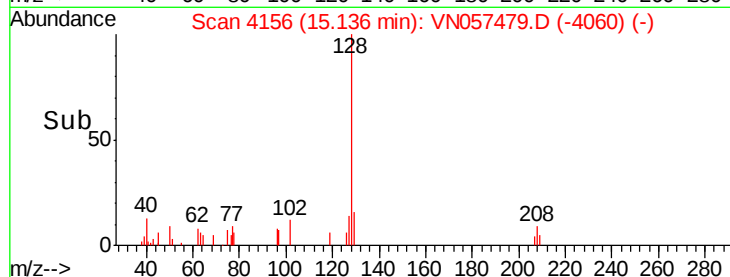
129 6.5 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 6.191 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057479.D

Acq: 23 Aug 2019 18:20

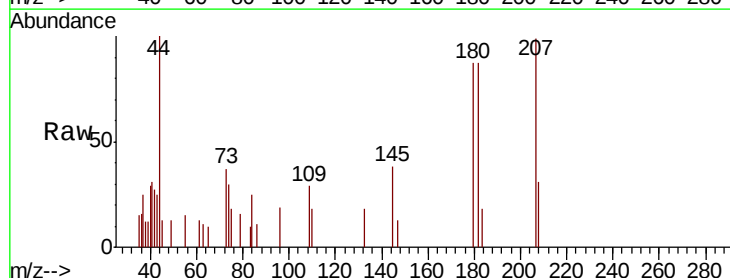
Tgt Ion:180 Resp: 2070

Ion Ratio Lower Upper

180 100

182 101.8 46.7 140.1

145 31.4 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

