

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057520.D
 Acq On : 26 Aug 2019 19:31
 Operator : JC/SP
 Sample : K4475-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-B-(0)

Quant Time: Aug 27 07:16:59 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	401549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	700100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	147651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	338375	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	7.58	113	224691	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	10.08	98	932580	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.40	95	248251	40.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.94%	

Target Compounds

						Qvalue
3) Chloromethane	2.05	50	1421	0.210	ug/l #	27
5) Bromomethane	2.55	94	3219	0.634	ug/l #	71
8) Diethyl Ether	3.38	74	1464	Below Cal		90
9) 1,1,2-Trichlorotrifluoroet	3.73	101	30	Below Cal	#	1
10) Methyl Iodide	3.93	142	1416	0.271	ug/l #	77
11) Tert butyl alcohol	4.80	59	308	0.351	ug/l #	50
13) Acrolein	3.57	56	514	0.666	ug/l #	61
16) Acetone	3.80	43	12445	3.836	ug/l	100
18) Methyl Acetate	4.31	43	11876	0.757	ug/l	92
20) Methylene Chloride	4.52	84	16986	3.462	ug/l	92
25) 2-Butanone	6.82	43	829	0.235	ug/l #	53
31) Cyclohexane	7.65	56	12883	1.298	ug/l #	27
36) 1,1-Dichloropropene	7.65	75	40165	5.615	ug/l #	51
38) Carbon Tetrachloride	7.65	117	42719	6.011	ug/l #	15
43) Isopropyl Acetate	8.15	43	111552	8.606	ug/l	100
48) Methyl methacrylate	9.18	41	4897	0.795	ug/l #	16
49) 1,4-Dioxane	9.26	88	35	0.439	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7499	1.038	ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	43732	4.700	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.67	63	63	17.091	ug/l #	52
59) 2-Hexanone	10.76	43	100462	20.277	ug/l #	55
73) Isopropylbenzene	12.25	105	1577	Below Cal	#	64
74) N-amyl acetate	12.04	43	2130	Below Cal	#	55
75) 1,1,2,2-Tetrachloroethane	12.52	83	69	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	143457	43.402	ug/l #	100
77) Bromobenzene	12.53	156	284	Below Cal		62
78) n-propylbenzene	12.60	91	3205	Below Cal	#	75
79) 2-Chlorotoluene	12.68	91	2062	Below Cal		82
80) 1,3,5-Trimethylbenzene	12.73	105	1816	Below Cal		77
81) trans-1,4-Dichloro-2-buten	12.40	75	143457	111.487	ug/l #	9
82) 4-Chlorotoluene	12.78	91	2466	Below Cal		88
83) tert-Butylbenzene	12.99	119	1260	Below Cal	#	86
85) sec-Butylbenzene	13.18	105	2524	Below Cal		94
87) 1,3-Dichlorobenzene	13.28	146	1192	0.250	ug/l	76

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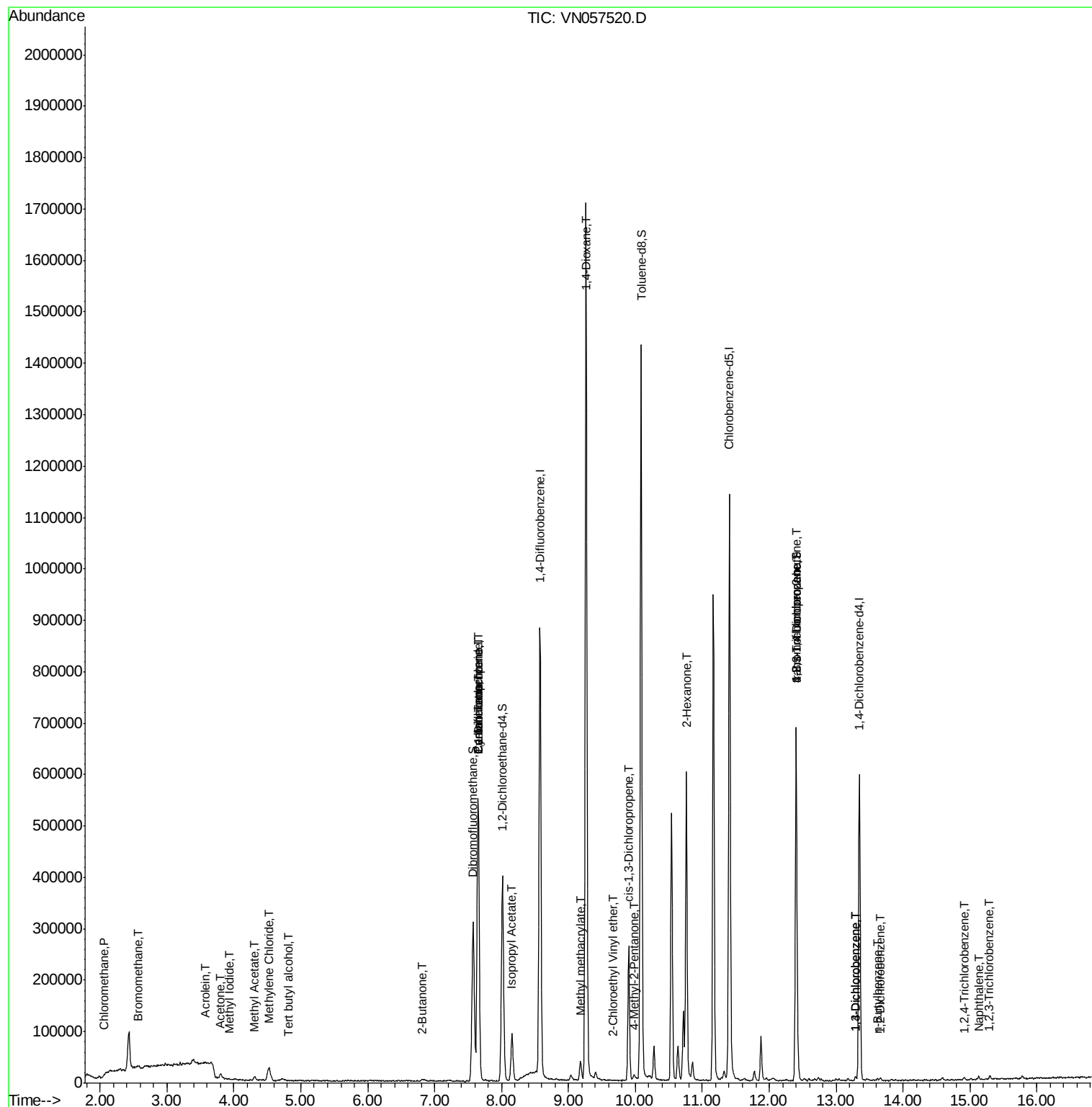
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.28	146	1192	0.255	ug/l	74
89) n-Butylbenzene	13.62	91	2501	0.256	ug/l	73
90) Hexachloroethane	13.63	117	34	Below Cal	#	17
91) 1,2-Dichlorobenzene	13.65	146	1710	0.376	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	119	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	1309	6.006	ug/l	98
94) Hexachlorobutadiene	15.00	225	356	Below Cal		96
95) Naphthalene	15.13	128	4211	4.994	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.30	180	1514	5.854	ug/l #	88

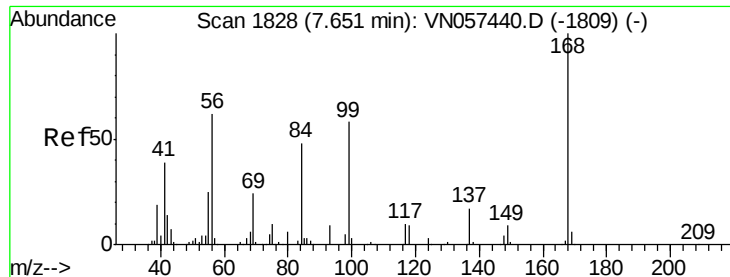
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

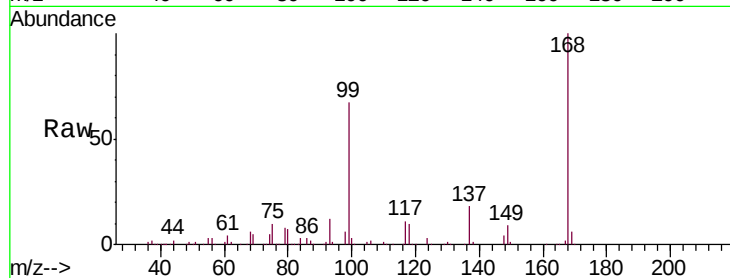
T1-2-B-(0)

Tgt Ion:168 Resp: 401549

Ion Ratio Lower Upper

168 100

99 66.9 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

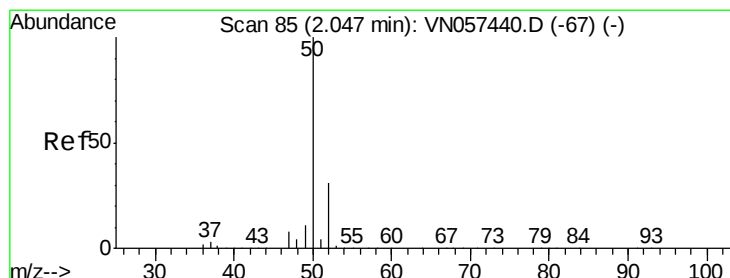
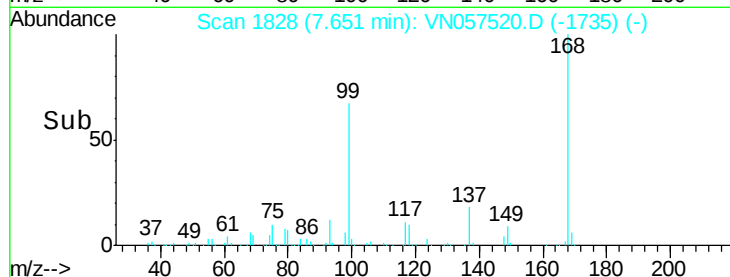
100000

50000

0

Time-->

7.60 7.70



#3

Chloromethane

Concen: 0.210 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057520.D

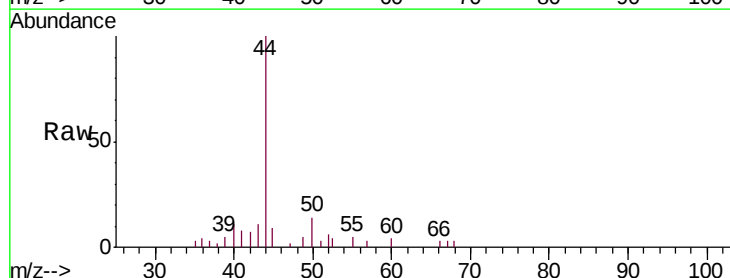
Acq: 26 Aug 2019 19:31

Tgt Ion: 50 Resp: 1421

Ion Ratio Lower Upper

50 100

52 71.8 25.1 37.7#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.05

1000

800

600

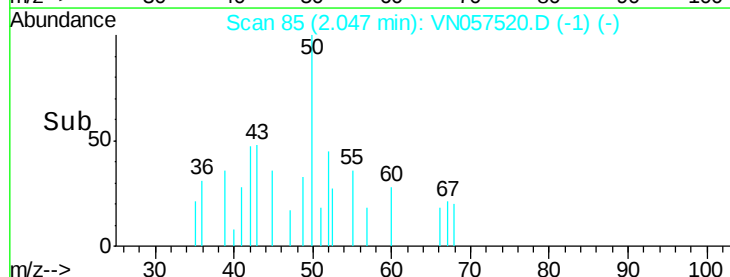
400

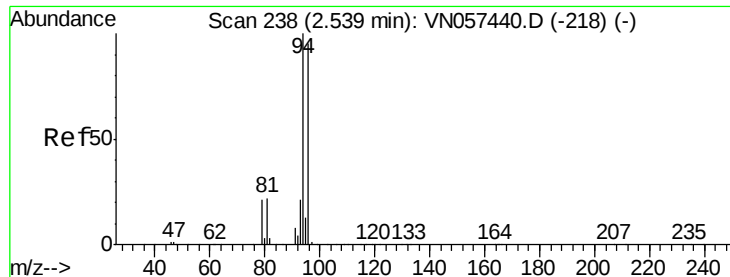
200

0

Time-->

2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: 0.634 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

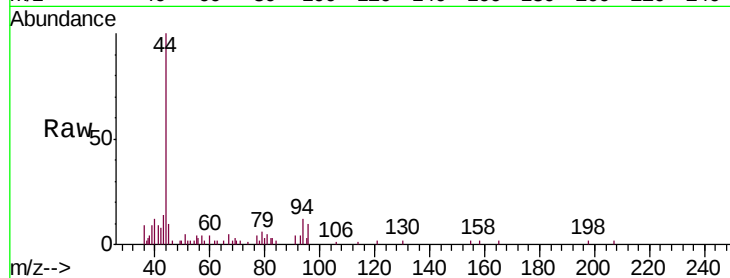
T1-2-B-(0)

Tgt Ion: 94 Resp: 3219

Ion Ratio Lower Upper

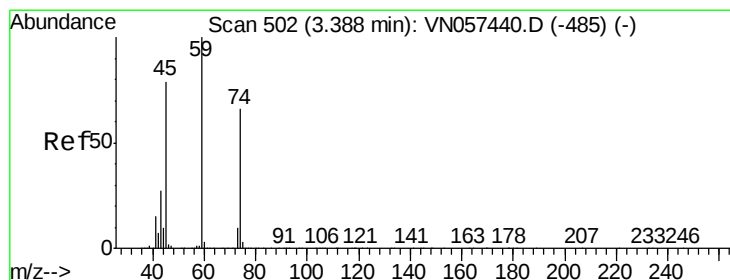
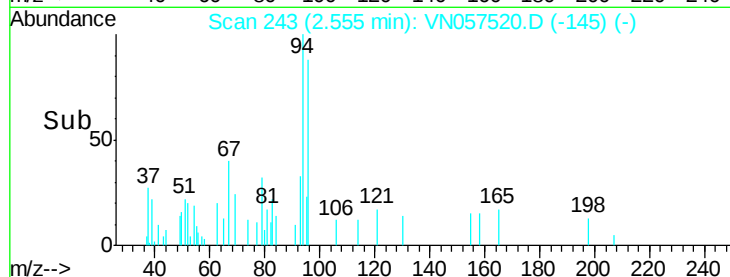
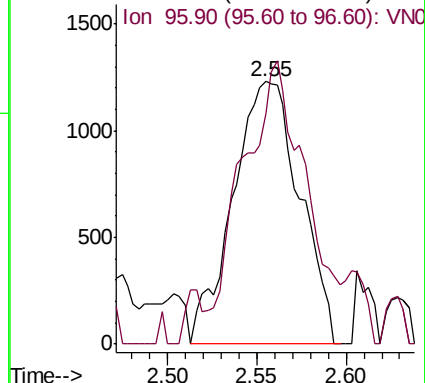
94 100

96 67.1 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: Below Cal

RT: 3.38 min Scan# 500

Delta R.T. -0.01 min

Lab File: VN057520.D

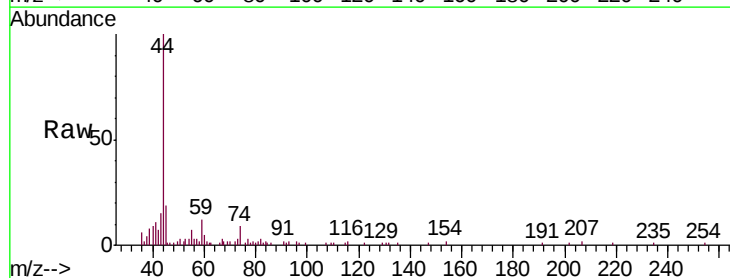
Acq: 26 Aug 2019 19:31

Tgt Ion: 74 Resp: 1464

Ion Ratio Lower Upper

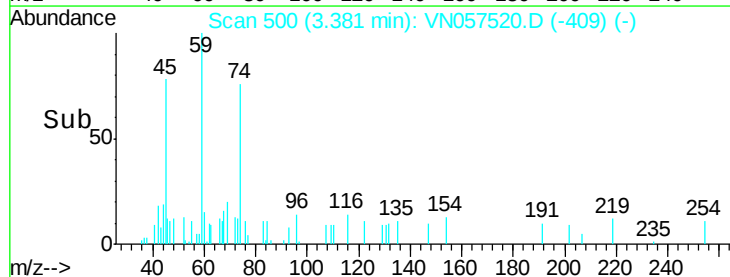
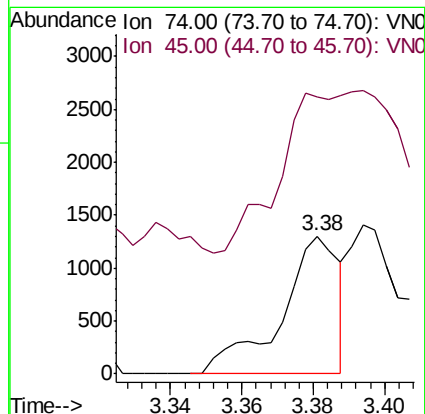
74 100

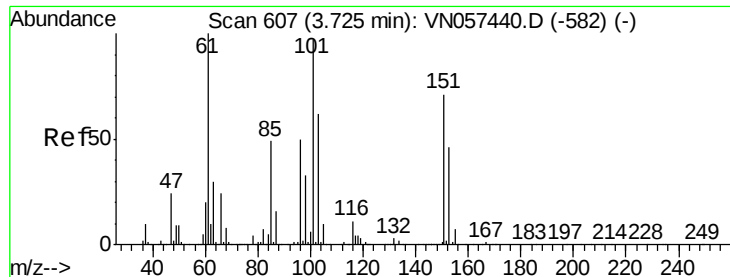
45 105.1 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T1-2-B-(0)

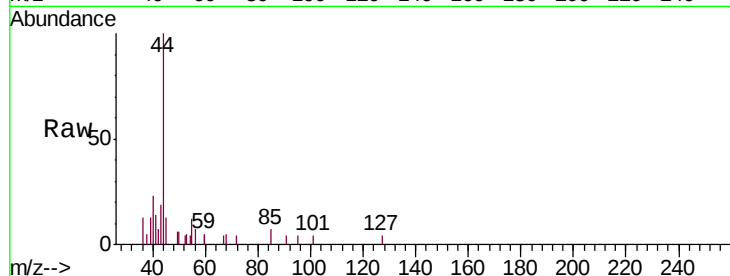
Tgt Ion:101 Resp: 30

Ion Ratio Lower Upper

101 100

85 446.7 40.0 60.0#

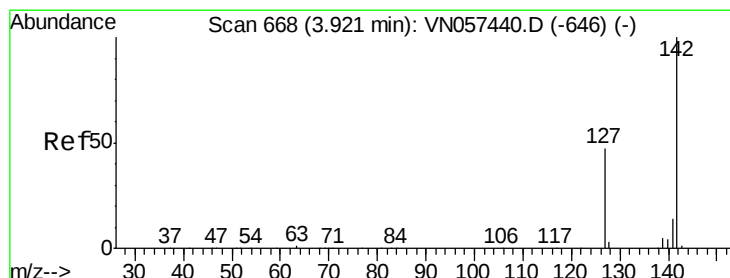
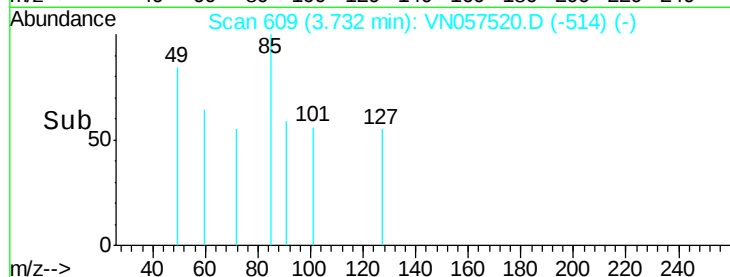
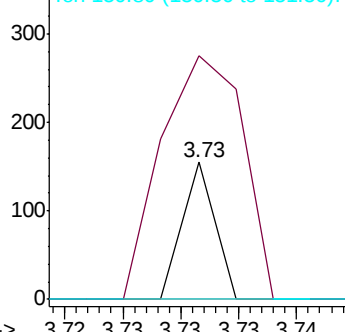
151 0.0 57.0 85.6#



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



#10

Methyl Iodide

Concen: 0.271 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

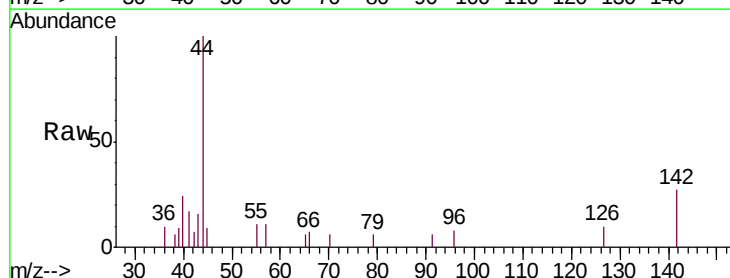
Tgt Ion:142 Resp: 1416

Ion Ratio Lower Upper

142 100

127 33.8 37.8 56.8#

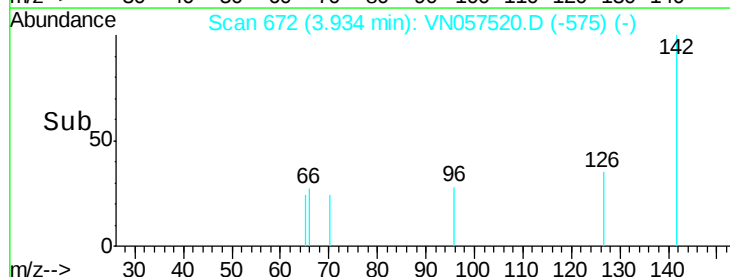
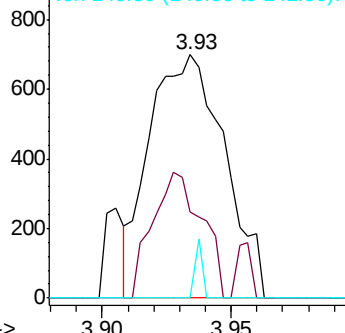
141 2.3 11.9 17.9#

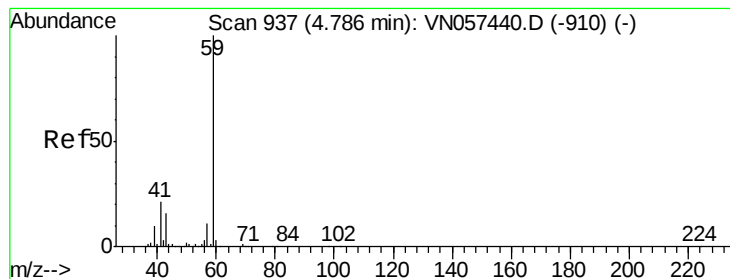


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.351 ug/l

RT: 4.80 min Scan# 942

Delta R.T. 0.02 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

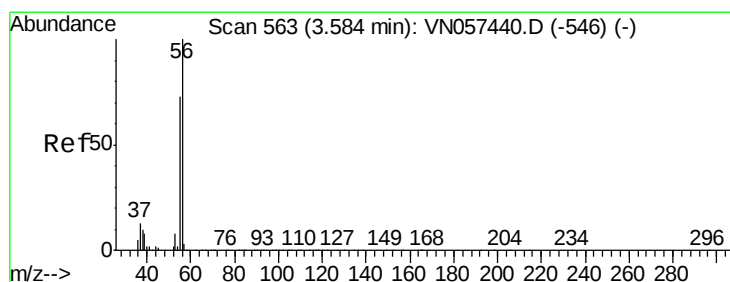
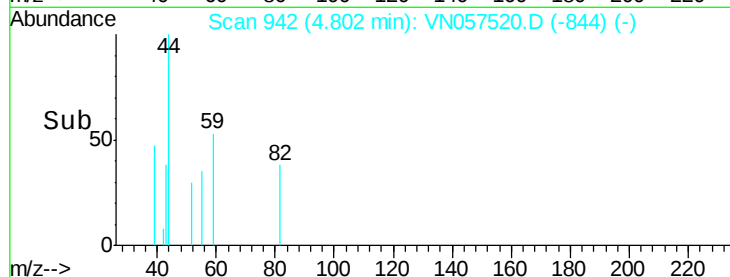
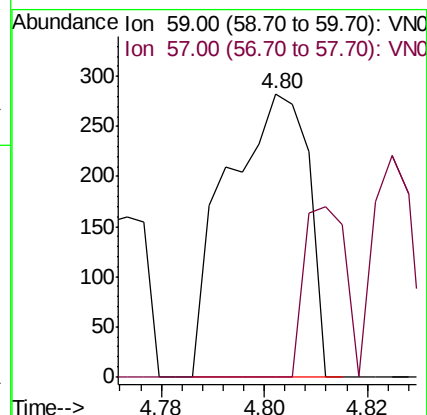
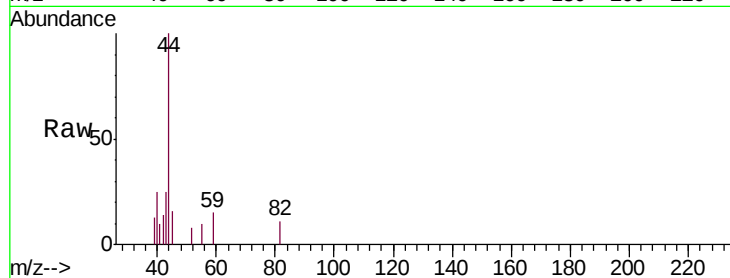
T1-2-B-(0)

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

57 30.5 9.1 13.7#



#13

Acrolein

Concen: 0.666 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN057520.D

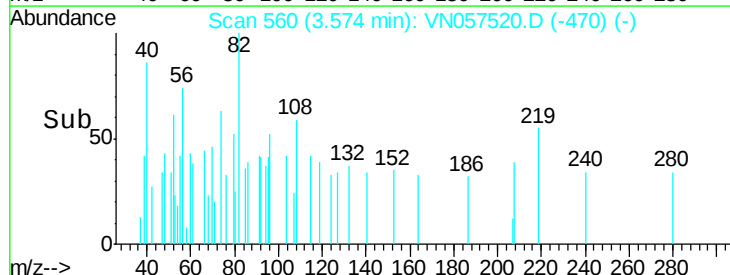
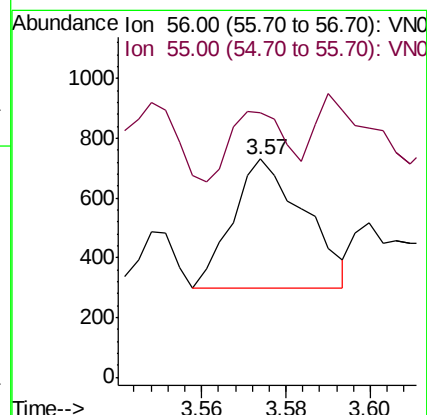
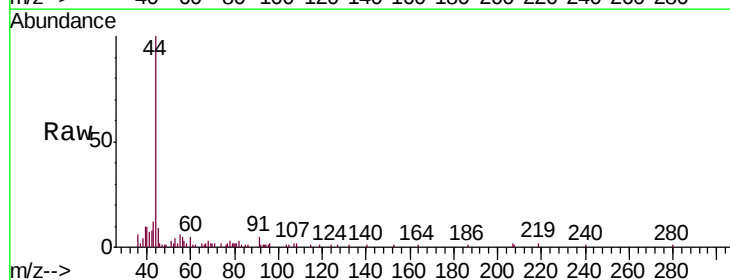
Acq: 26 Aug 2019 19:31

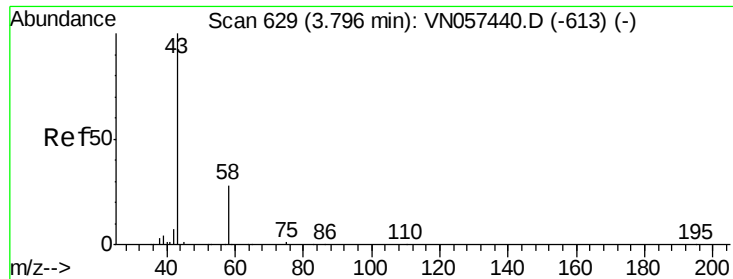
Tgt Ion: 56 Resp: 514

Ion Ratio Lower Upper

56 100

55 41.1 59.0 88.4#





#16

Acetone

Concen: 3.836 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

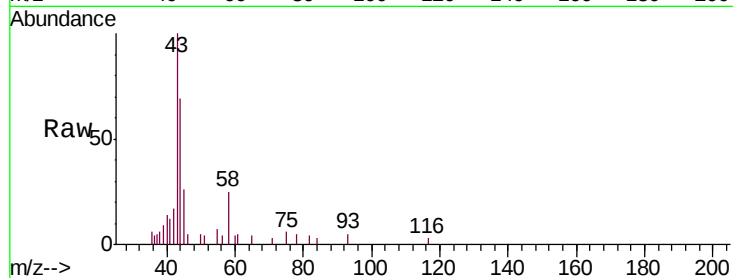
T1-2-B-(0)

Tgt Ion: 43 Resp: 12445

Ion Ratio Lower Upper

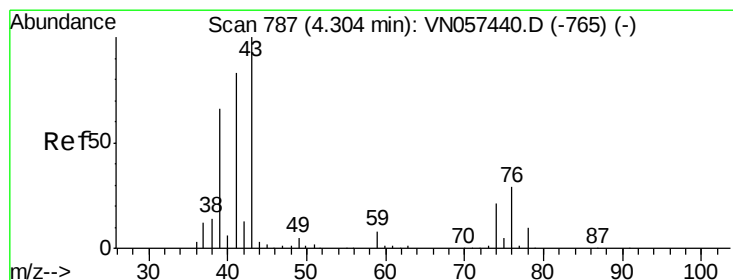
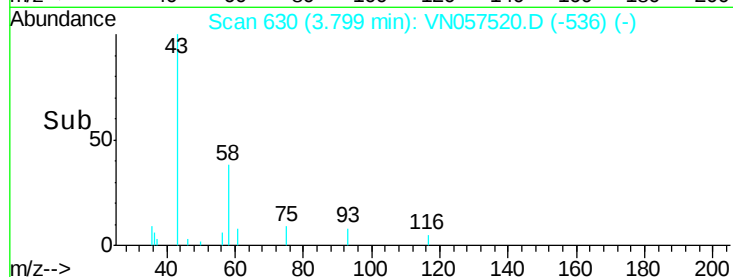
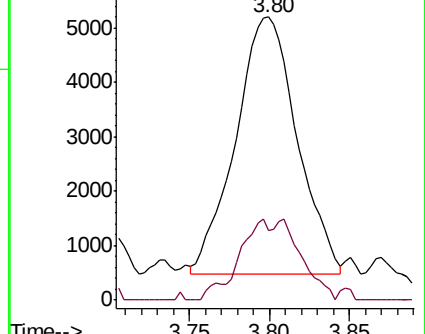
43 100

58 27.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN057520.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN057520.D (-536) (-)



#18

Methyl Acetate

Concen: 0.757 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN057520.D

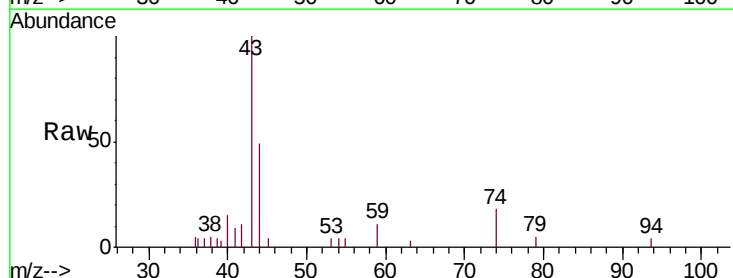
Acq: 26 Aug 2019 19:31

Tgt Ion: 43 Resp: 11876

Ion Ratio Lower Upper

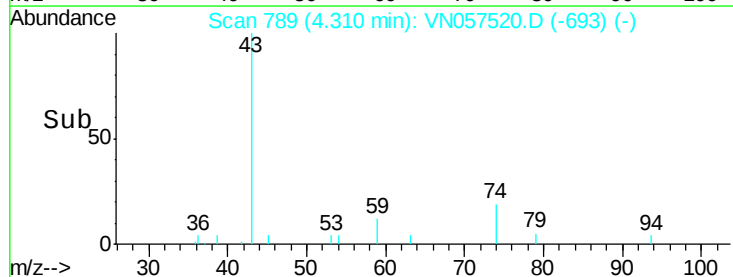
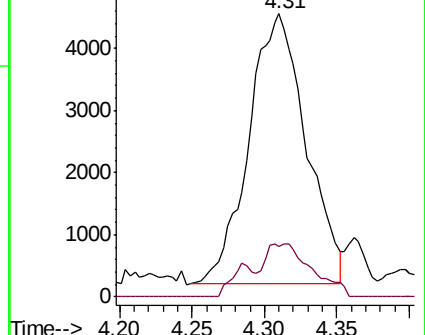
43 100

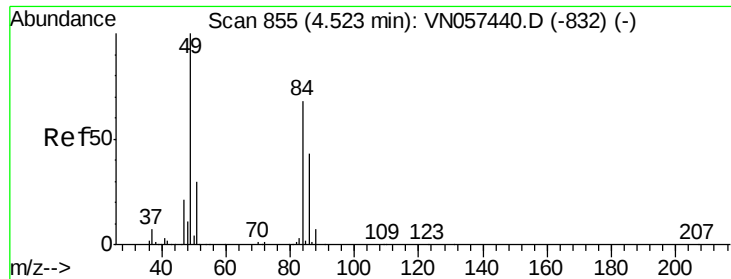
74 16.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN057520.D (-693) (-)

Ion 74.00 (73.70 to 74.70): VN057520.D (-693) (-)

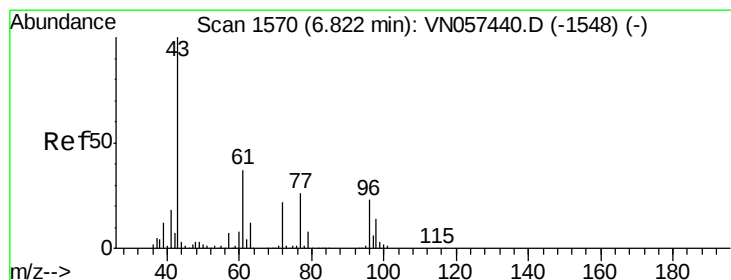
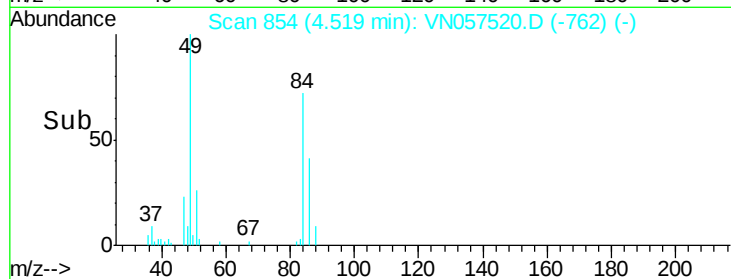
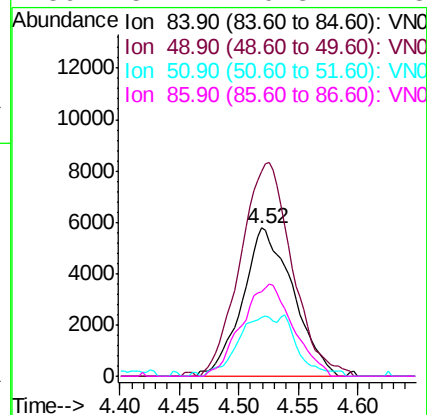
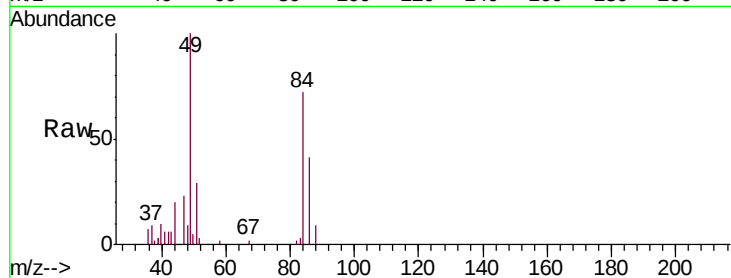




#20
Methylene Chloride
Concen: 3.462 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

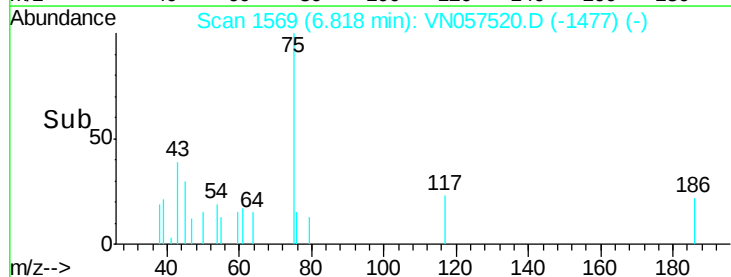
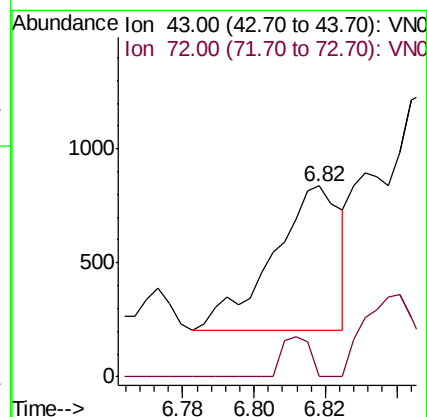
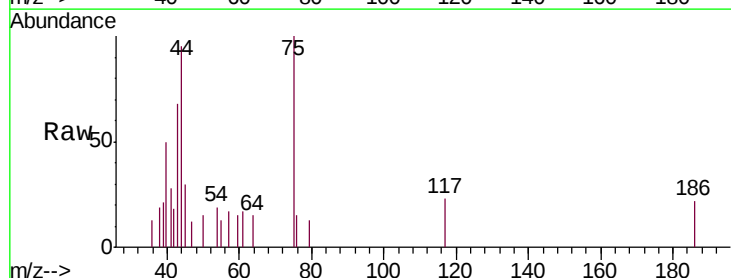
Instrument :
MSVOA_N
ClientSampled :
T1-2-B-(0)

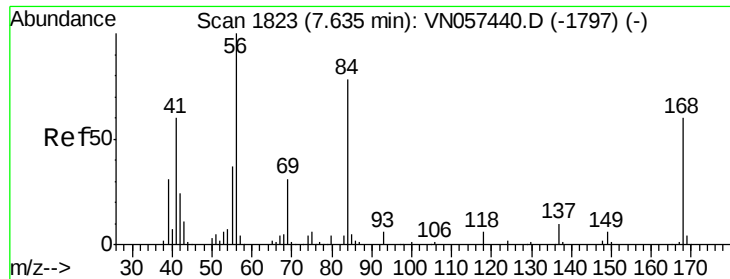
Tgt Ion: 84 Resp: 16986
Ion Ratio Lower Upper
84 100
49 136.1 117.0 175.4
51 36.9 35.5 53.3
86 57.1 49.8 74.8



#25
2-Butanone
Concen: 0.235 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8#

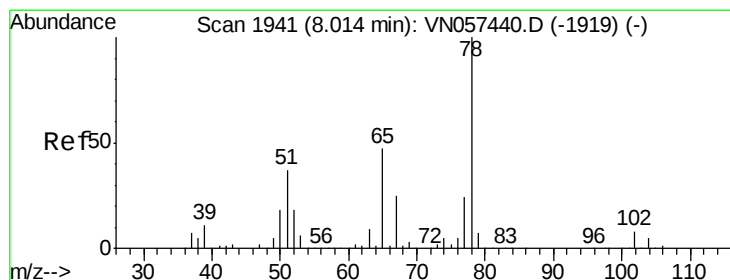
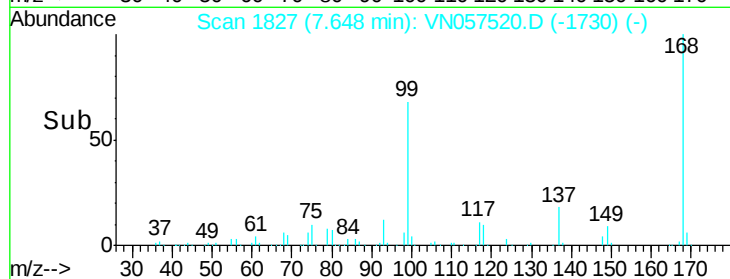
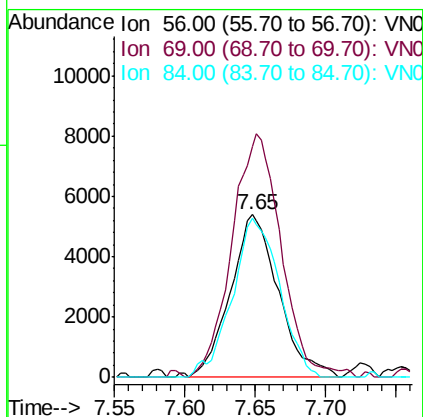
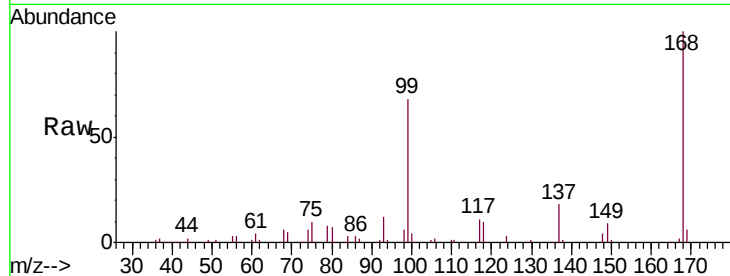




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

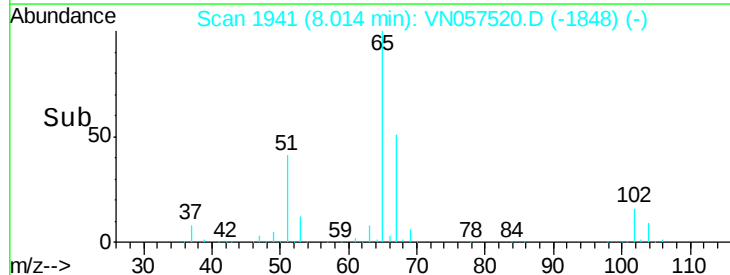
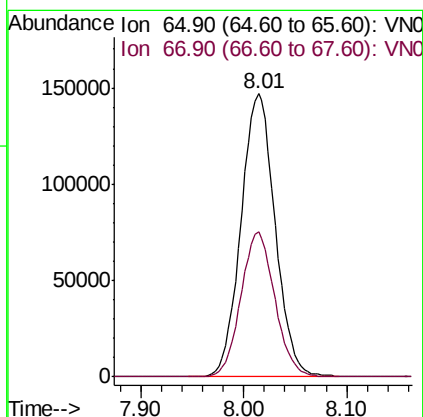
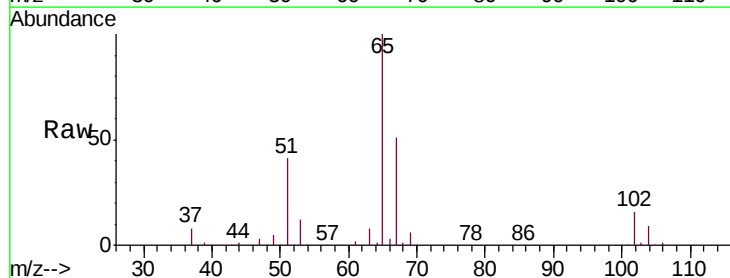
Instrument :
MSVOA_N
ClientSampled :
T1-2-B-(0)

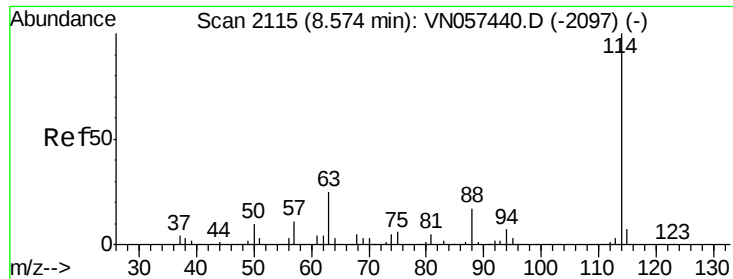
Tgt Ion: 56 Resp: 12883
Ion Ratio Lower Upper
56 100
69 142.1 25.0 37.6#
84 97.6 62.5 93.7#



#33
1,2-Dichloroethane-d4
Concen: 47.903 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

Tgt Ion: 65 Resp: 338375
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.8

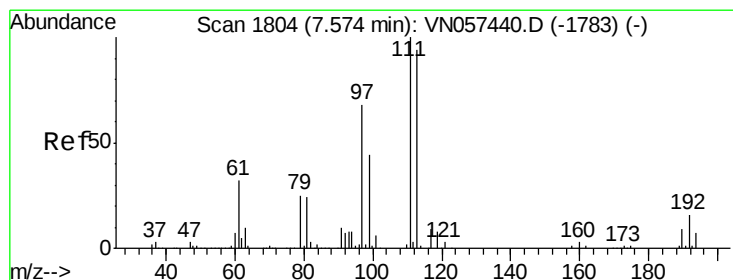
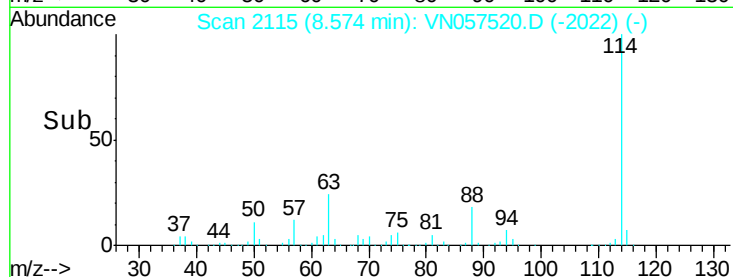
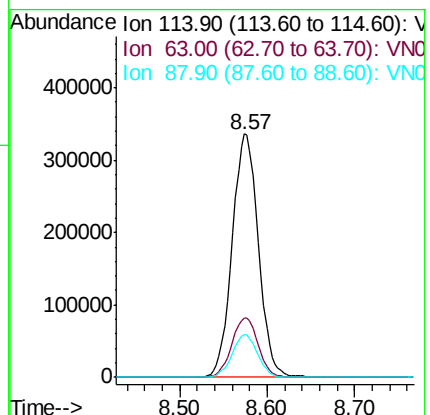
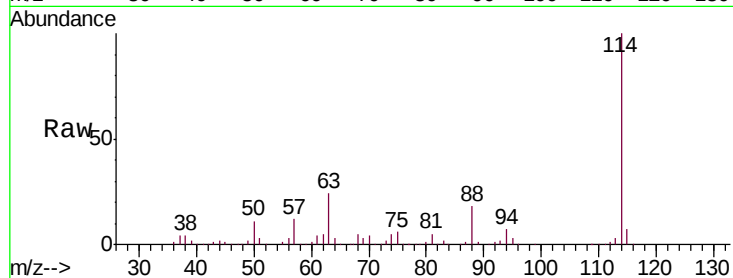




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

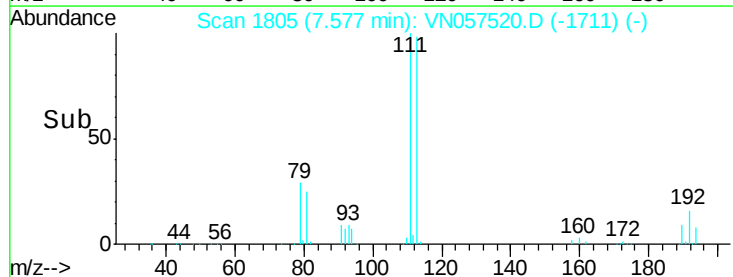
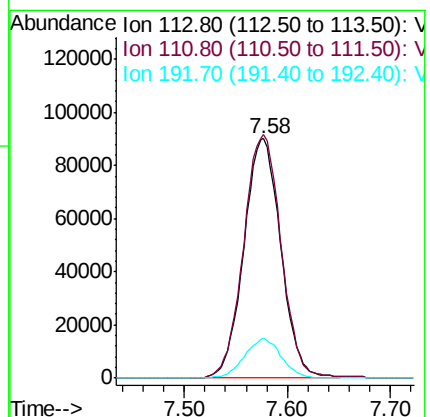
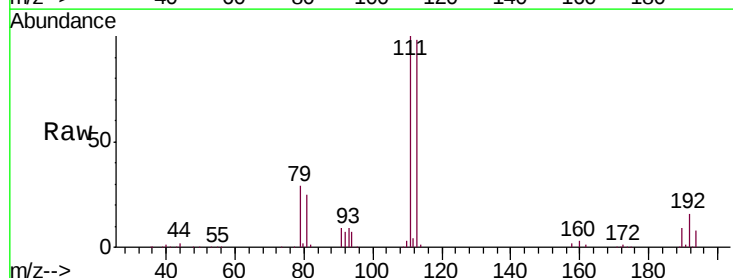
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-B-(0)

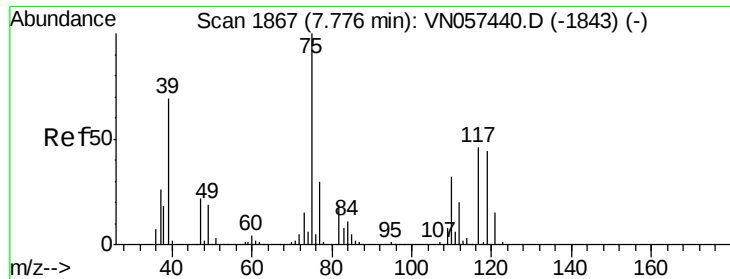
Tgt Ion:114 Resp: 700100
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.2
 88 17.7 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 47.515 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Tgt Ion:113 Resp: 224691
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.8 125.6
 192 16.6 13.5 20.3

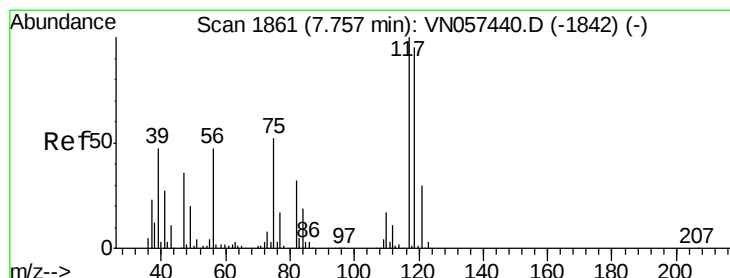
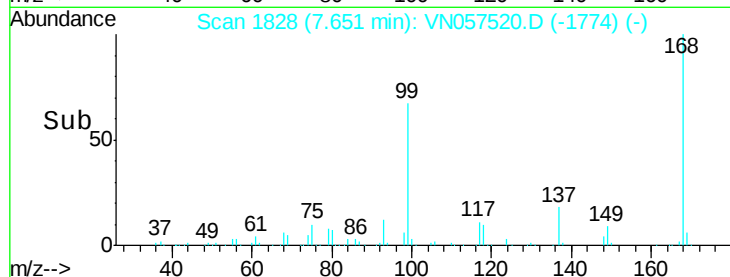
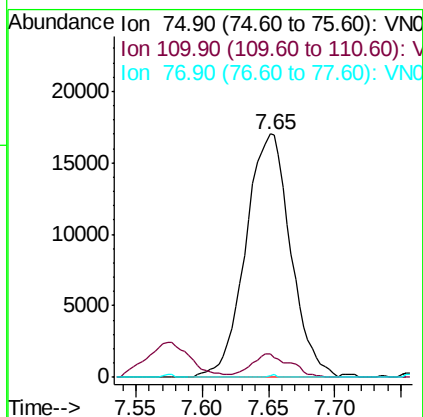
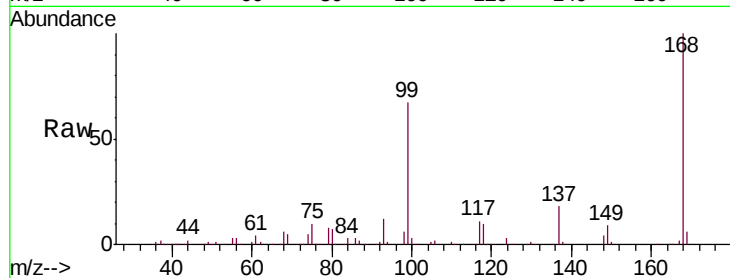




#36
 1,1-Dichloropropene
 Concen: 5.615 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

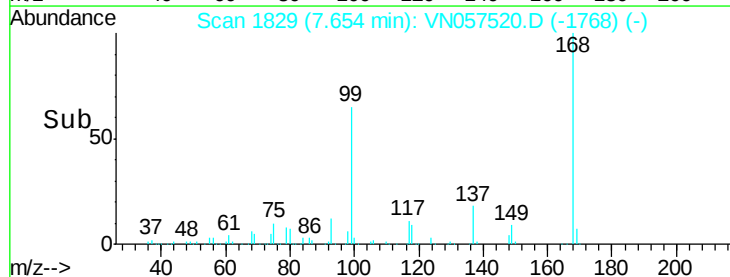
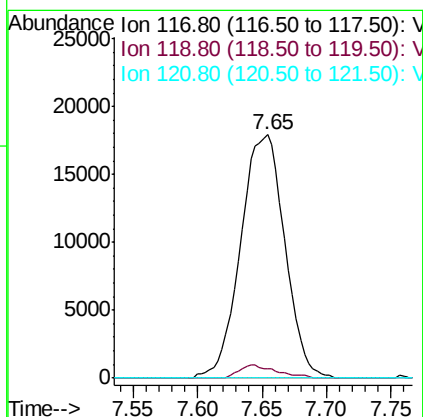
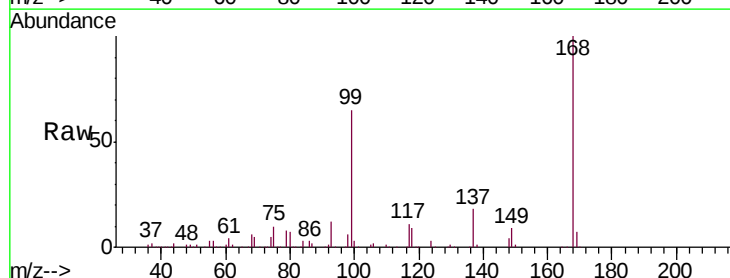
Instrument :
 MSVOA_N
 ClientSampled :
 T1-2-B-(0)

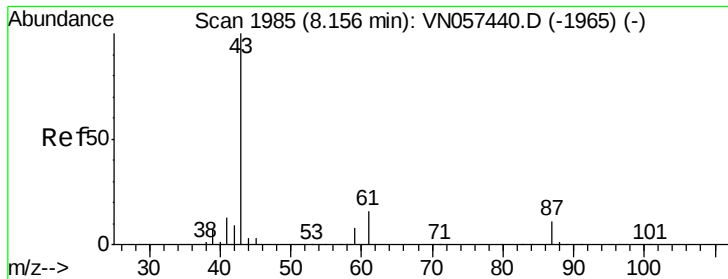
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.1	48.3#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.011 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.2	114.4#
121	0.0	23.8	35.6#

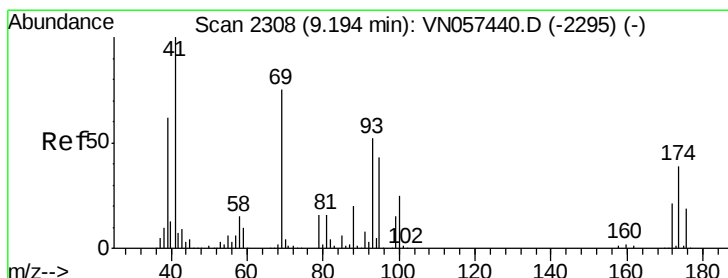
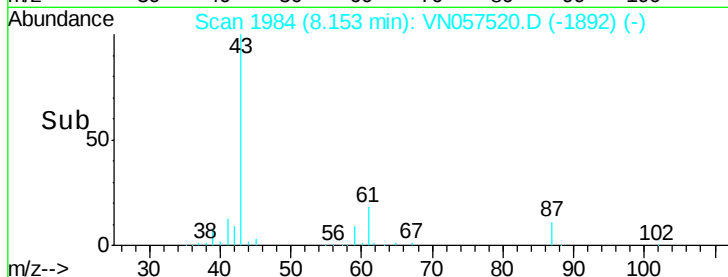
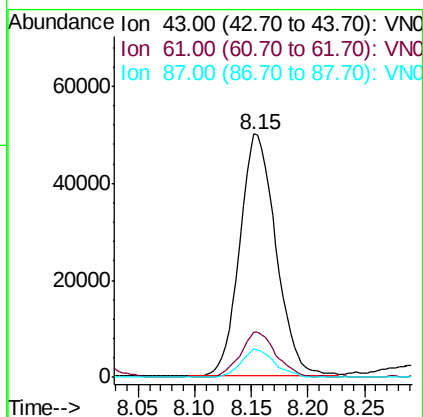
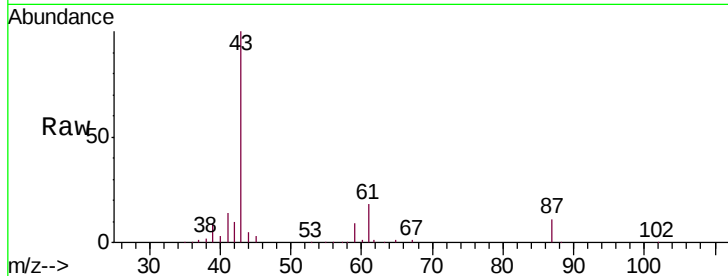




#43
Isopropyl Acetate
Concen: 8.606 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

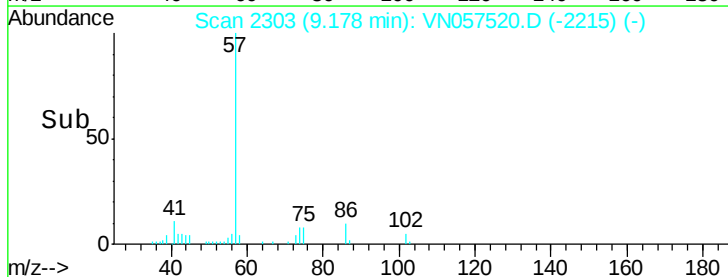
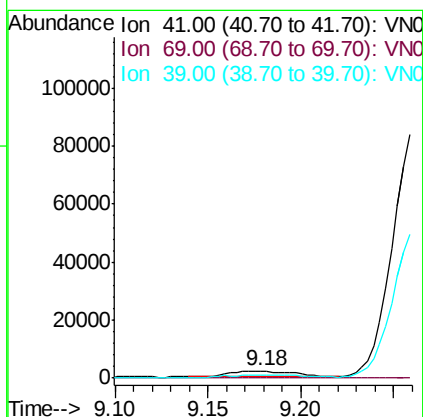
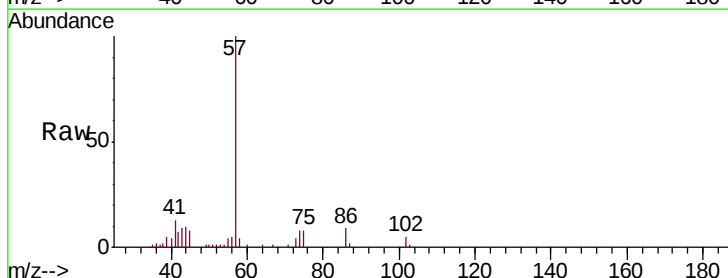
Instrument :
MSVOA_N
ClientSampleId :
T1-2-B-(0)

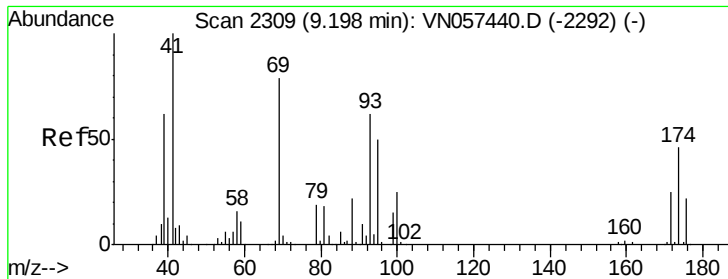
Tgt Ion: 43 Resp: 111552
Ion Ratio Lower Upper
43 100
61 18.3 14.5 21.7
87 10.8 8.6 12.8



#48
Methyl methacrylate
Concen: 0.795 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

Tgt Ion: 41 Resp: 4897
Ion Ratio Lower Upper
41 100
69 1.2 59.3 88.9#
39 0.0 50.6 75.8#





#49

1,4-Dioxane

Concen: 0.439 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T1-2-B-(0)

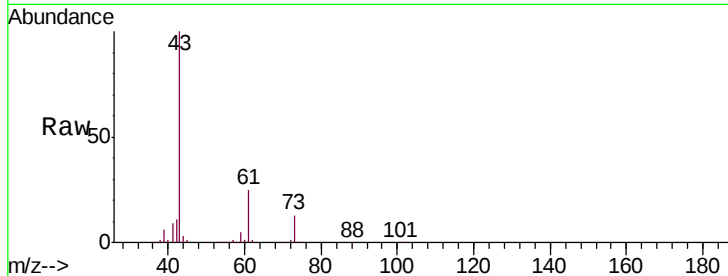
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 4956568.6 31.0 46.6#

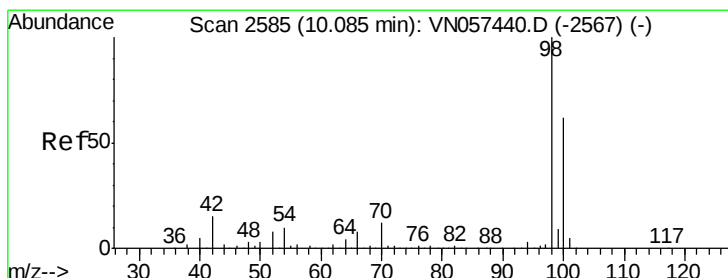
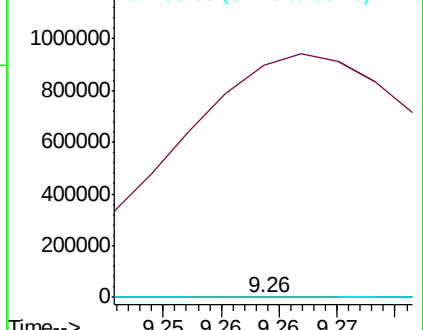
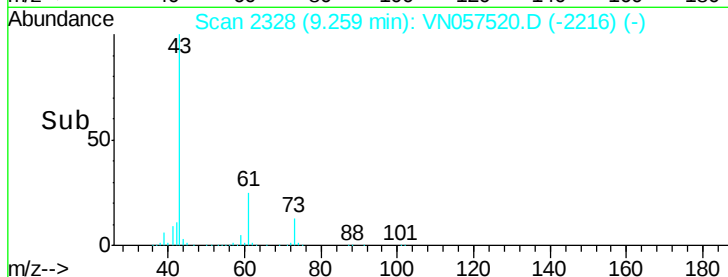
58 17748.6 64.5 96.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.155 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057520.D

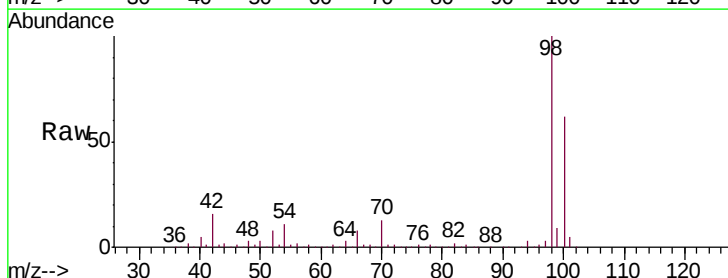
Acq: 26 Aug 2019 19:31

Tgt Ion: 98 Resp: 932580

Ion Ratio Lower Upper

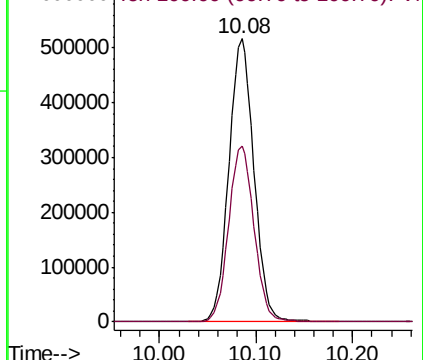
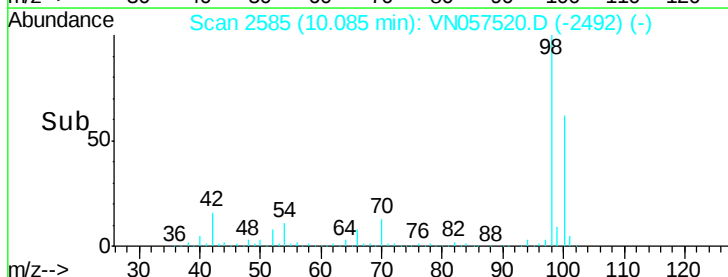
98 100

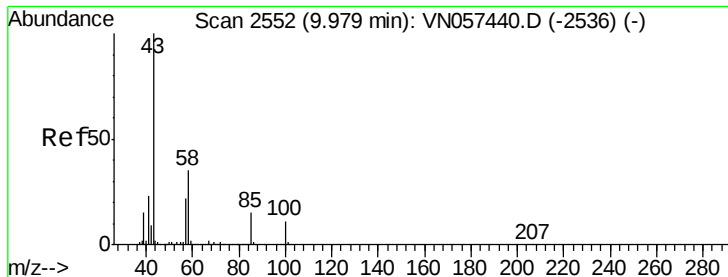
100 62.7 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.038 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

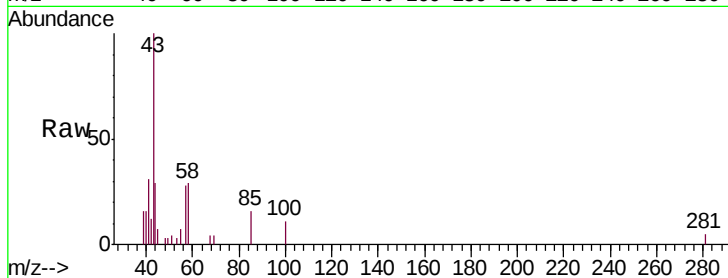
T1-2-B-(0)

Tgt Ion: 43 Resp: 7499

Ion Ratio Lower Upper

43 100

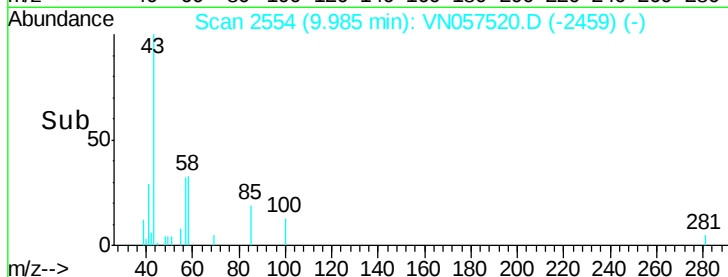
58 40.7 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-2536) (-)

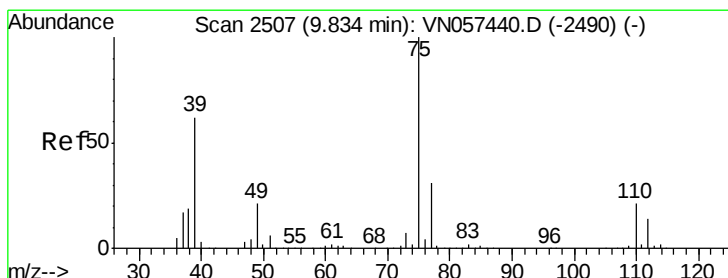
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN057520.D (-2459) (-)

Ion 58.00 (57.70 to 58.70): VN057520.D (-2459) (-)

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.700 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

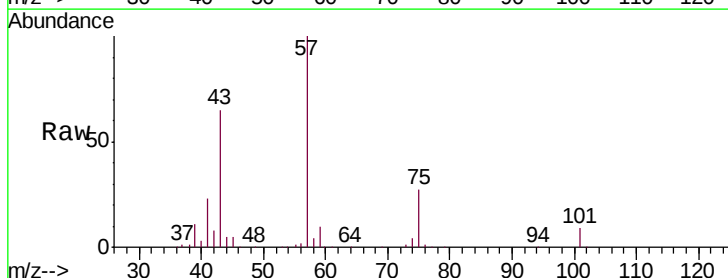
Tgt Ion: 75 Resp: 43732

Ion Ratio Lower Upper

75 100

77 1.0 25.0 37.6#

39 39.9 49.2 73.8#

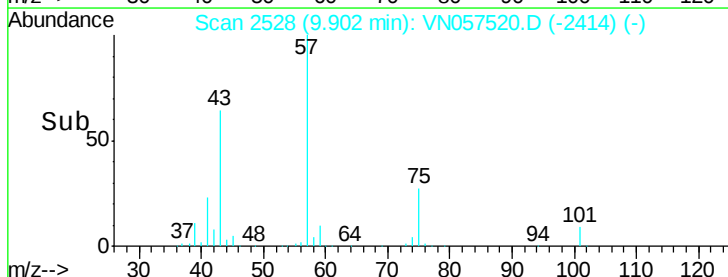


Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-2490) (-)

Ion 76.90 (76.60 to 77.60): VN057440.D (-2490) (-)

Ion 39.00 (38.70 to 39.70): VN057440.D (-2490) (-)

Time-->

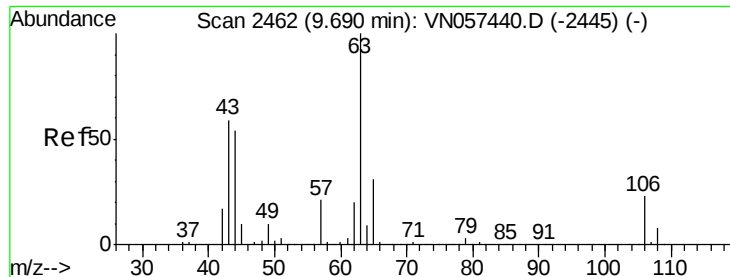


Abundance Ion 74.90 (74.60 to 75.60): VN057520.D (-2414) (-)

Ion 76.90 (76.60 to 77.60): VN057520.D (-2414) (-)

Ion 39.00 (38.70 to 39.70): VN057520.D (-2414) (-)

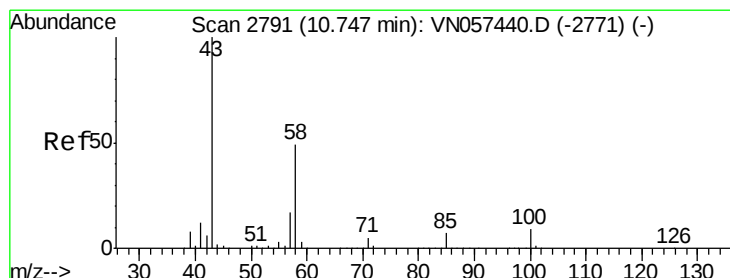
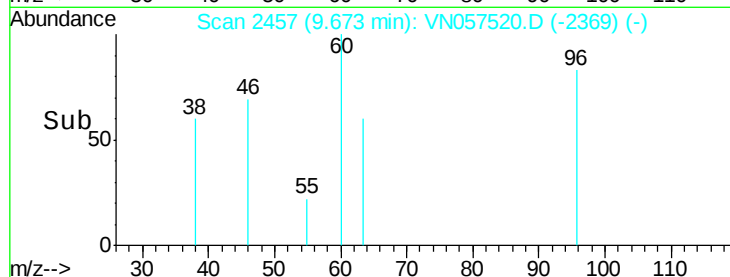
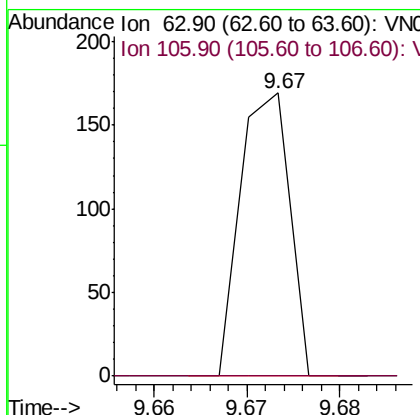
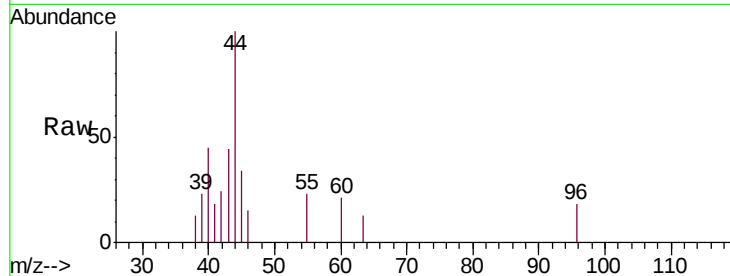
Time-->



#58
 2-Chloroethyl Vinyl ether
 Concen: 17.091 ug/l
 RT: 9.67 min Scan# 2457
 Delta R.T. -0.02 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

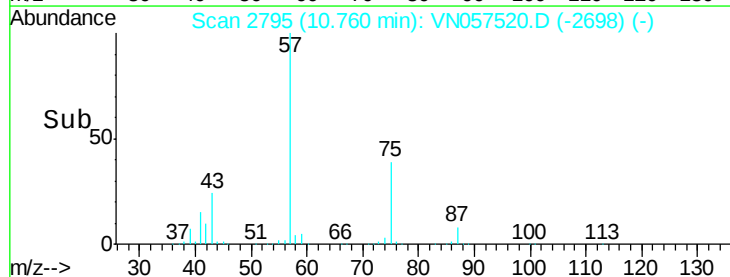
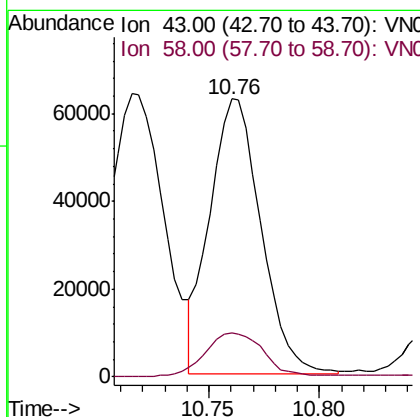
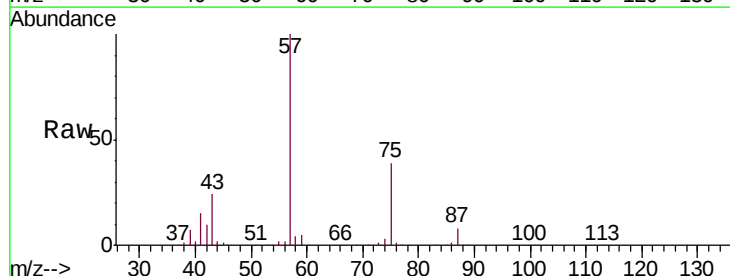
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-B-(0)

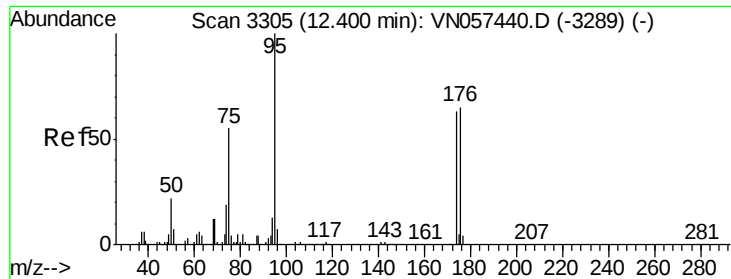
Tgt Ion: 63 Resp: 63
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#59
 2-Hexanone
 Concen: 20.277 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Tgt Ion: 43 Resp: 100462
 Ion Ratio Lower Upper
 43 100
 58 18.4 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 40.969 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

T1-2-B-(0)

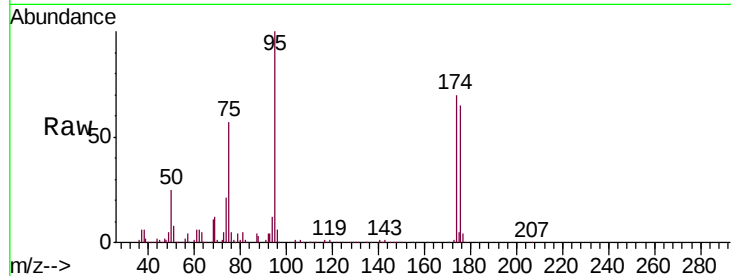
Tgt Ion: 95 Resp: 248251

Ion Ratio Lower Upper

95 100

174 66.7 0.0 133.0

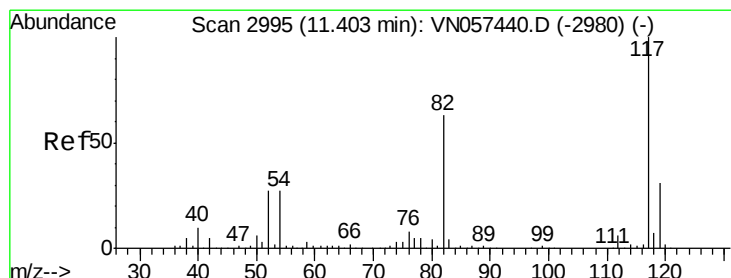
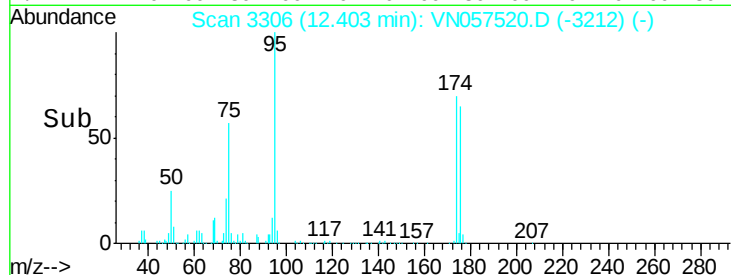
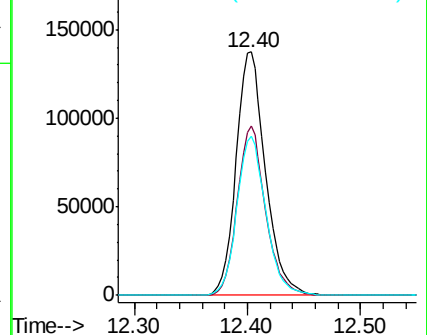
176 64.4 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN057520.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN057520.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057520.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

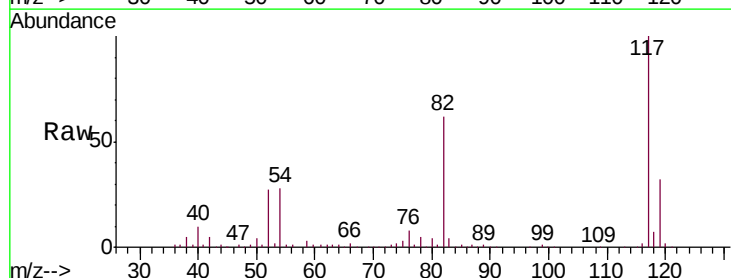
Tgt Ion: 117 Resp: 606219

Ion Ratio Lower Upper

117 100

82 62.0 50.6 75.8

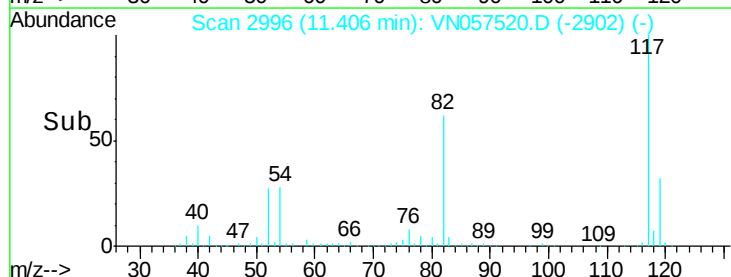
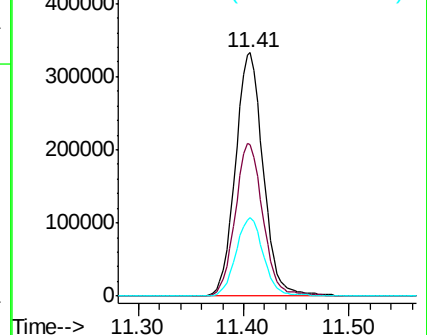
119 32.2 24.6 36.8

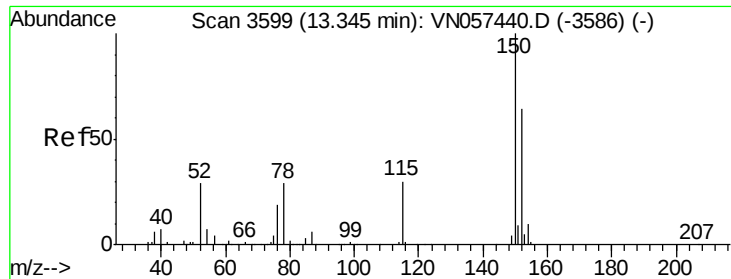


Abundance Ion 116.90 (116.60 to 117.60): VN057520.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN057520.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN057520.D (-2902) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T1-2-B-(0)

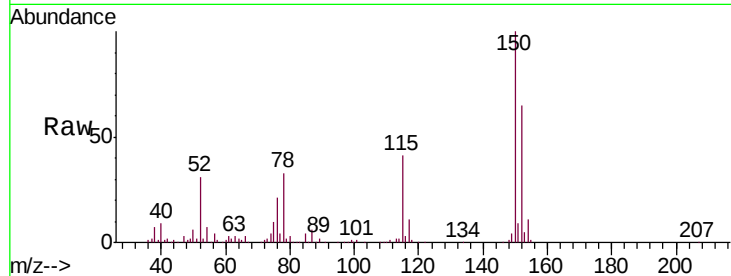
Tgt Ion:152 Resp: 147651

Ion Ratio Lower Upper

152 100

115 64.6 32.0 96.0

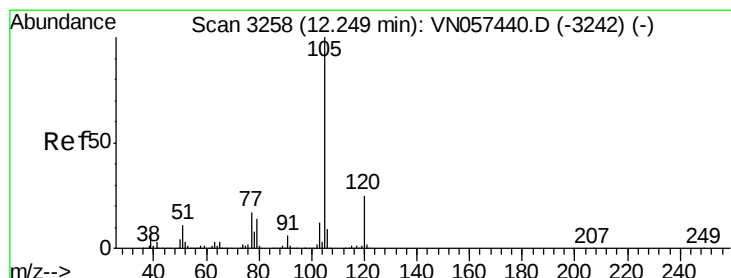
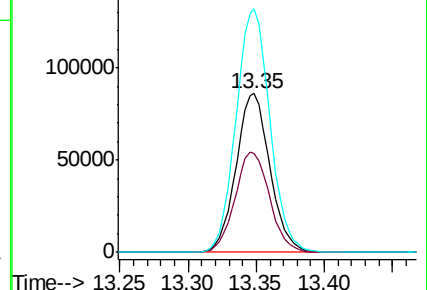
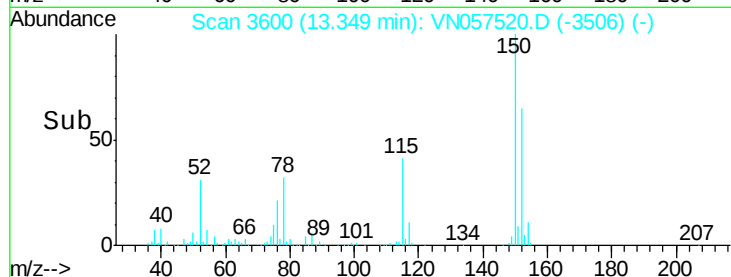
150 154.3 0.0 346.6



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# 3258

Delta R.T. 0.00 min

Lab File: VN057520.D

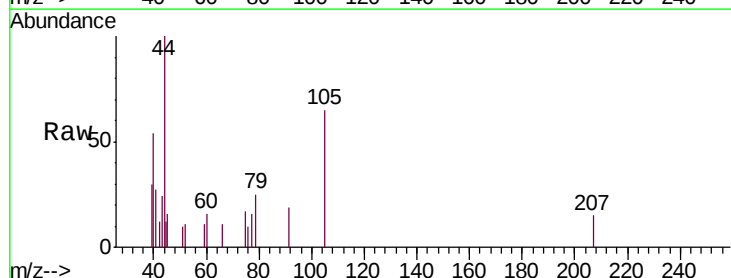
Acq: 26 Aug 2019 19:31

Tgt Ion:105 Resp: 1577

Ion Ratio Lower Upper

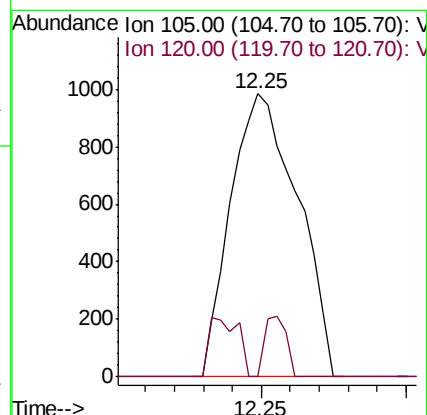
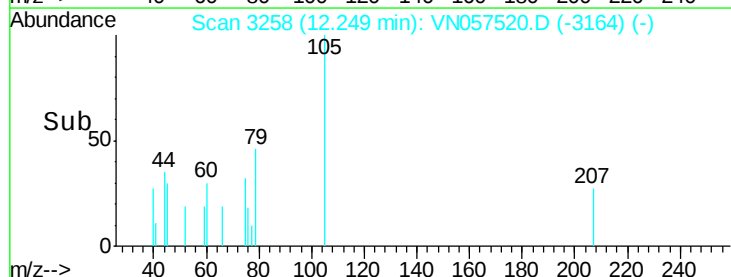
105 100

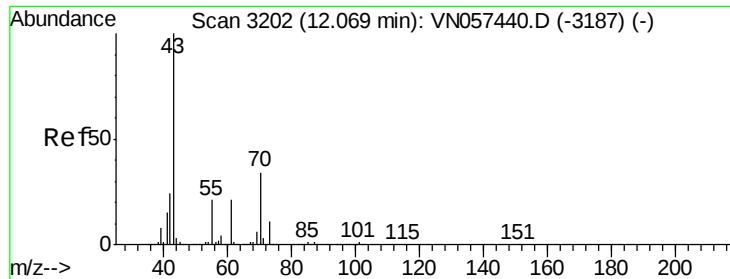
120 6.9 12.7 38.0#



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: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T1-2-B-(0)

Tgt Ion: 43 Resp: 2130

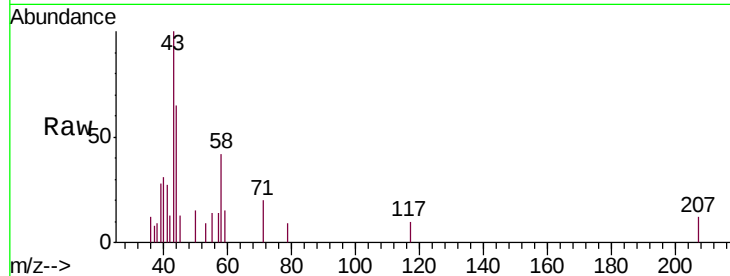
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 11.8 17.0 25.4#

61 0.0 17.0 25.6#

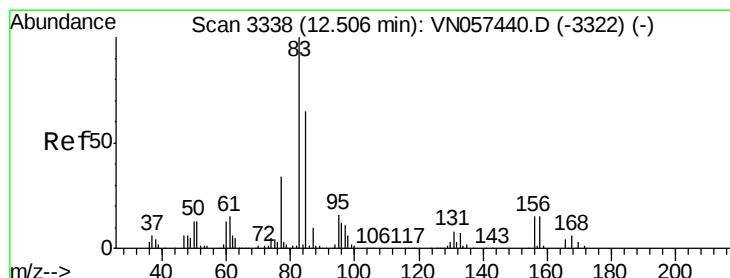
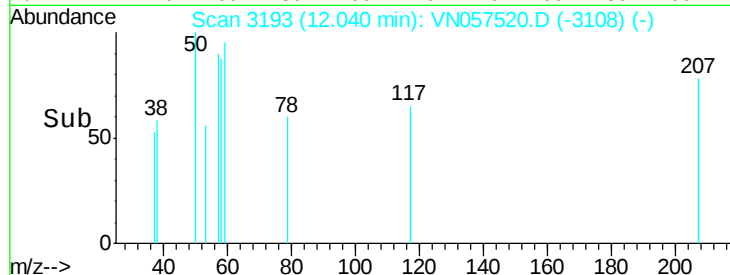
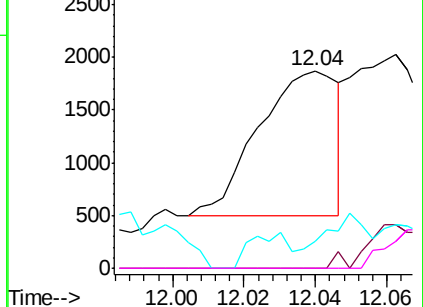


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. 0.01 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

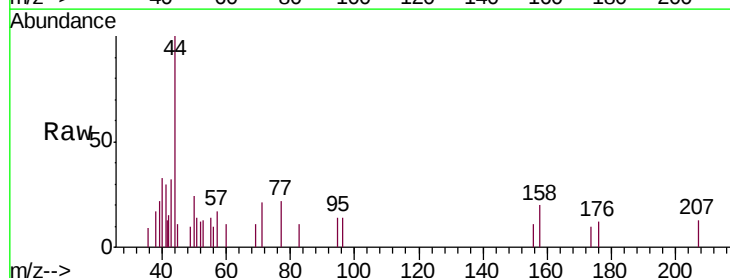
Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

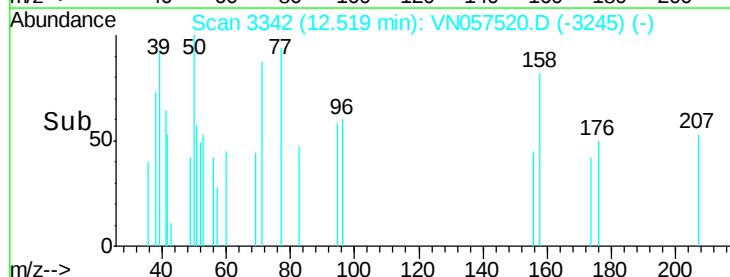
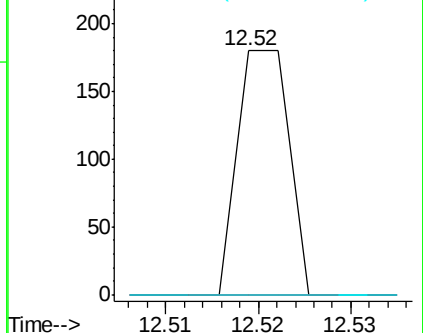
85 0.0 32.3 96.8#

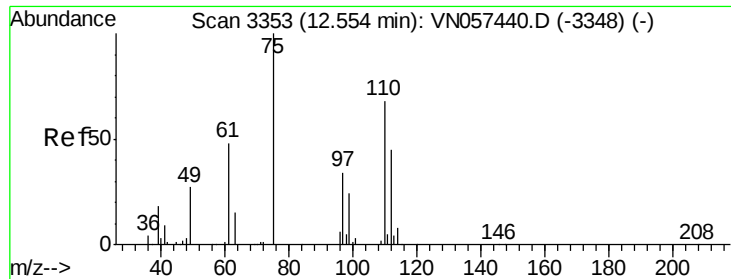


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

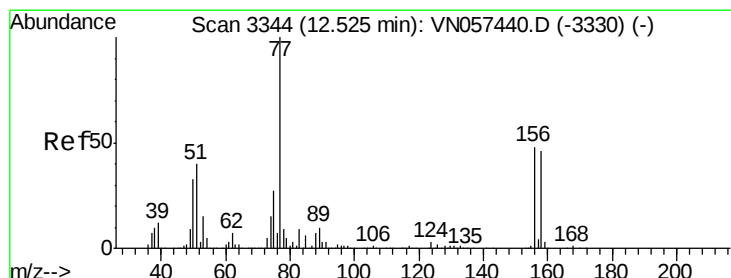
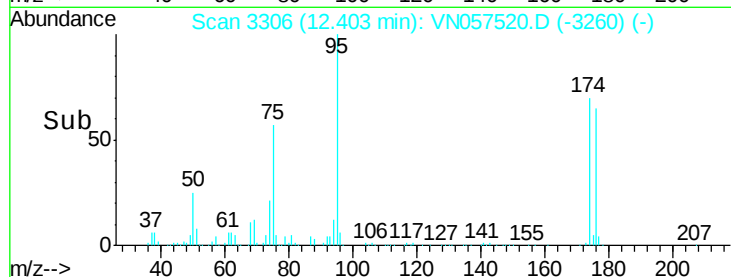
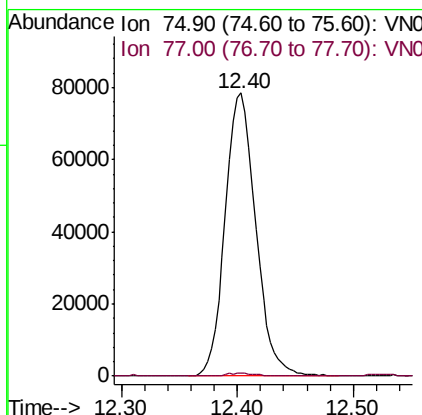
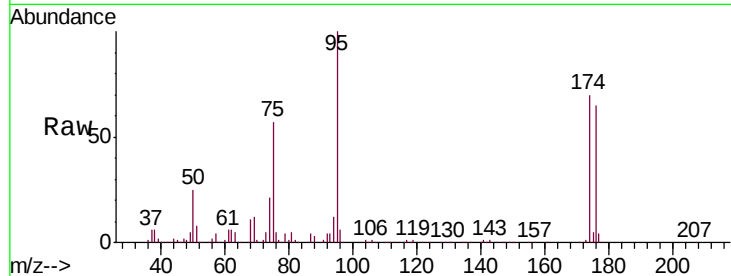




#76
 1,2,3-Trichloropropane
 Concen: 43.402 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

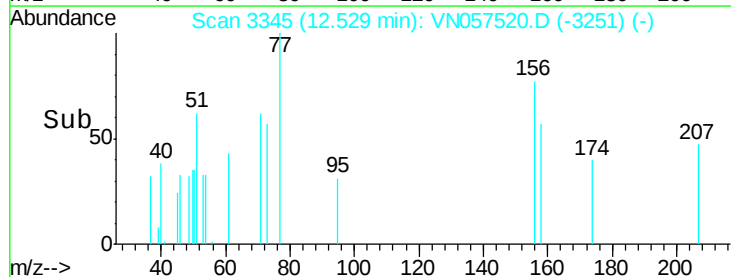
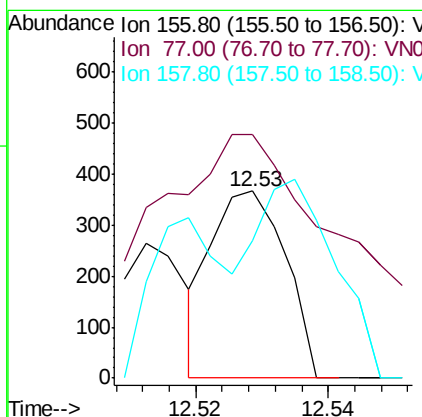
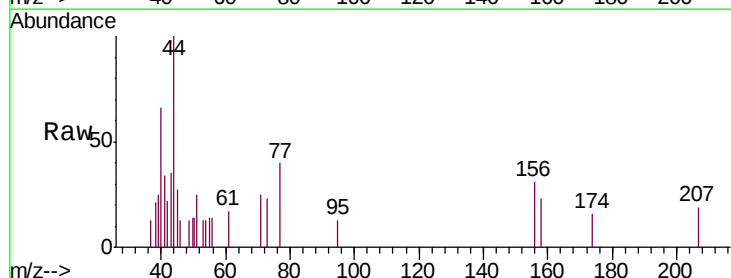
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-B-(0)

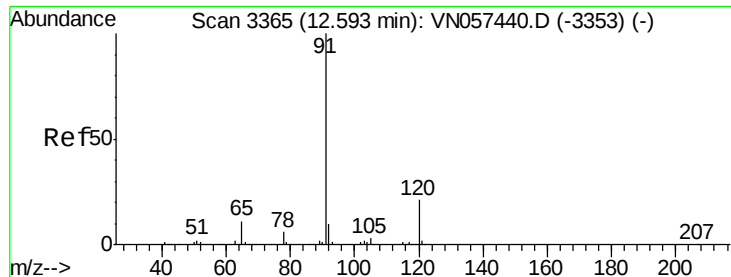
Tgt Ion: 75 Resp: 143457
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Tgt Ion: 156 Resp: 284
 Ion Ratio Lower Upper
 156 100
 77 327.8 124.4 373.3
 158 115.8 48.3 144.8

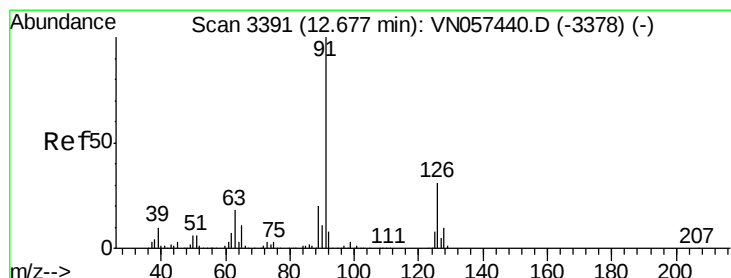
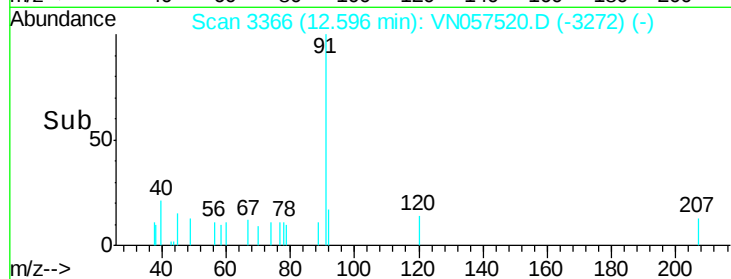
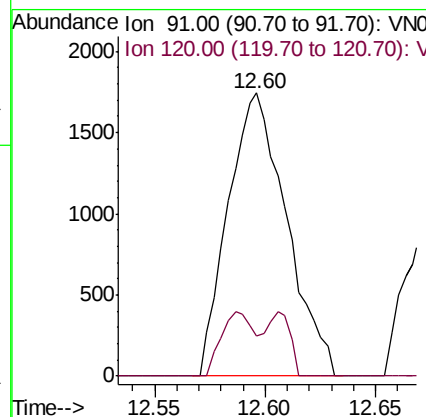
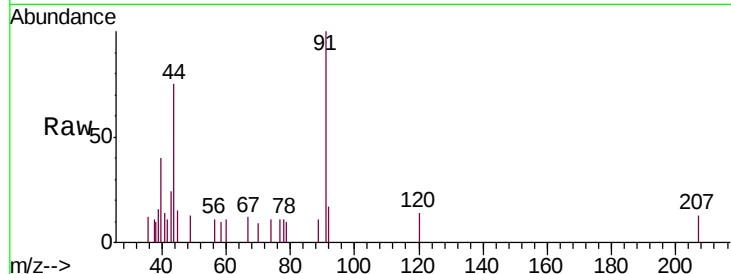




#78
n-propylbenzene
Concen: Below Cal
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

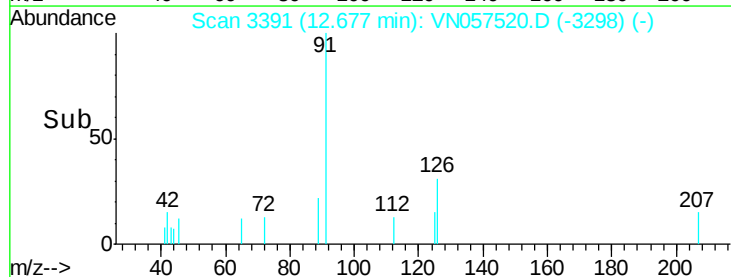
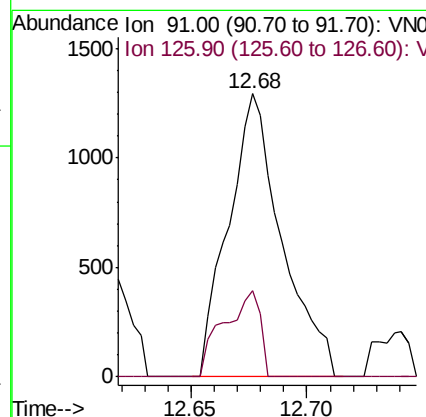
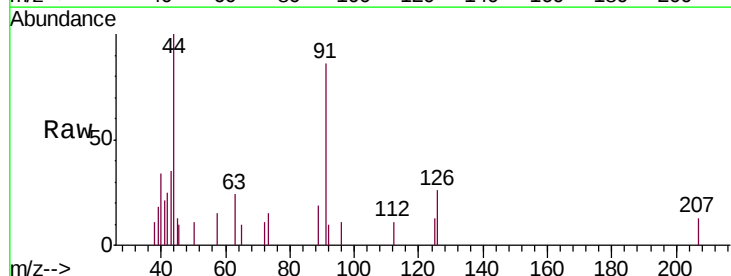
Instrument :
MSVOA_N
ClientSampled :
T1-2-B-(0)

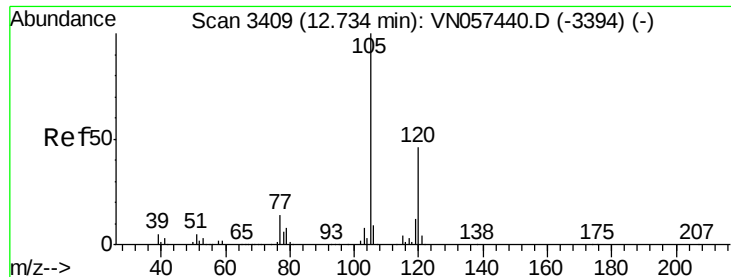
Tgt Ion: 91 Resp: 3205
Ion Ratio Lower Upper
91 100
120 9.6 10.7 32.1#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

Tgt Ion: 91 Resp: 2062
Ion Ratio Lower Upper
91 100
126 20.5 15.3 45.8

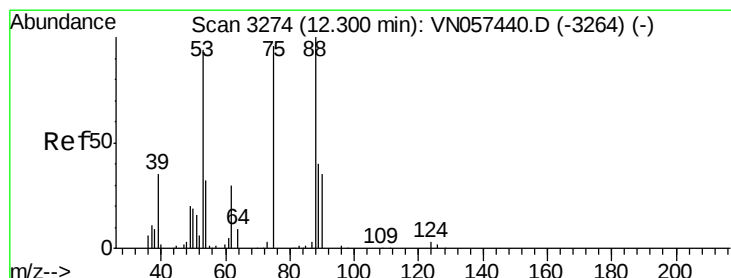
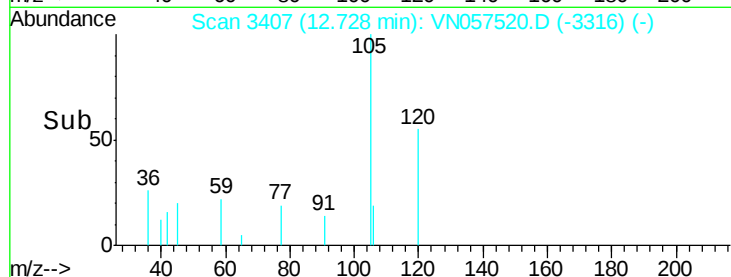
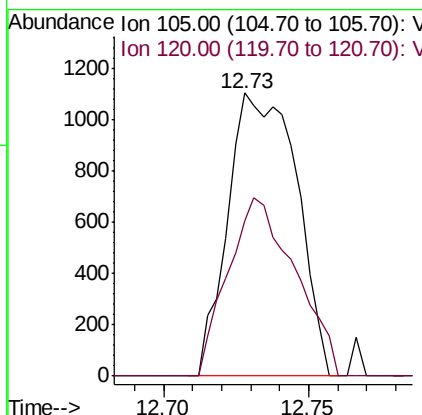
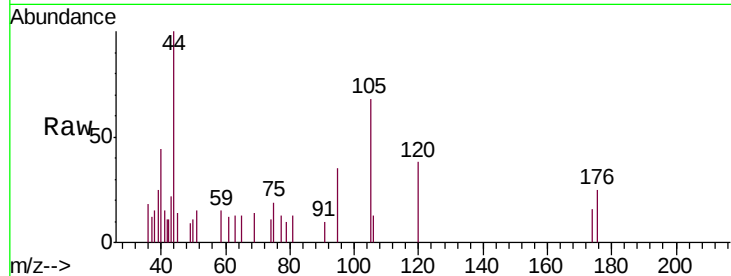




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.01 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

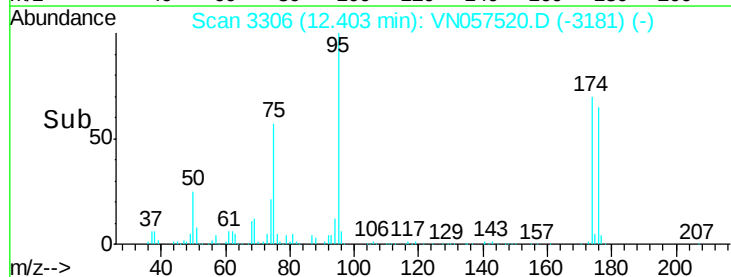
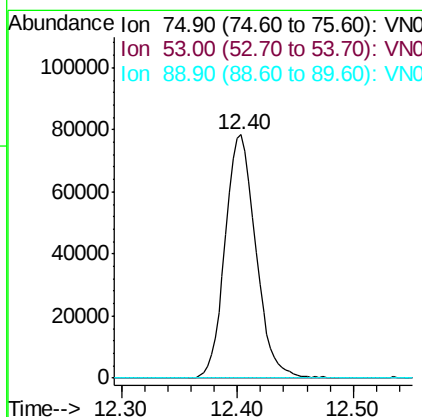
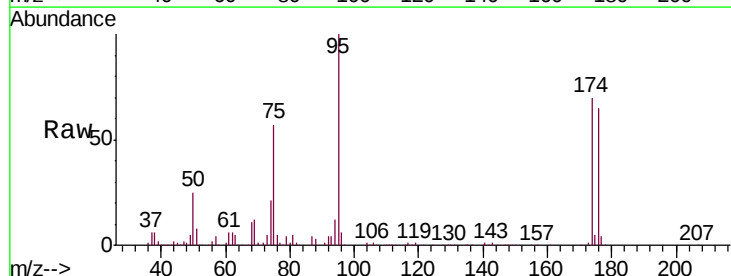
Instrument :
 MSVOA_N
 ClientSampled :
 T1-2-B-(0)

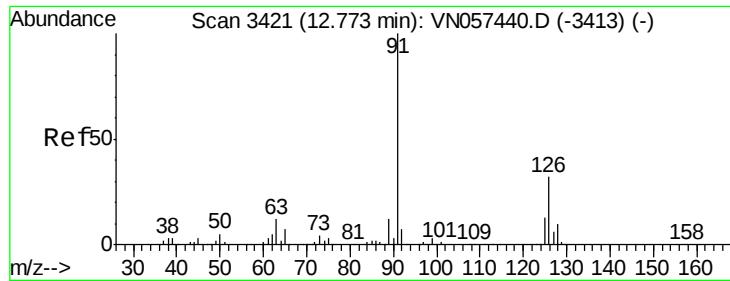
Tgt Ion: 105 Resp: 1816
 Ion Ratio Lower Upper
 105 100
 120 61.8 23.3 69.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.487 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Tgt Ion: 75 Resp: 143457
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.7 124.1#
 89 0.0 35.8 53.8#

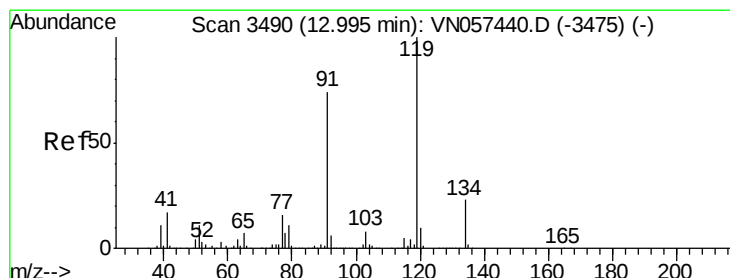
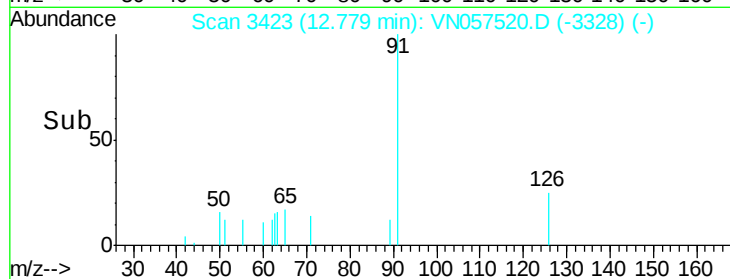
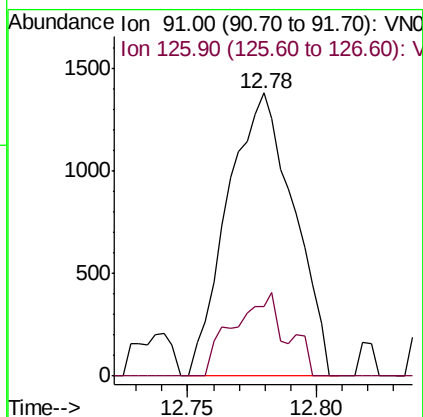
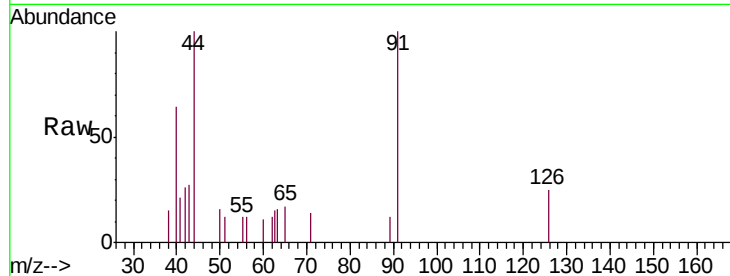




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.78 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

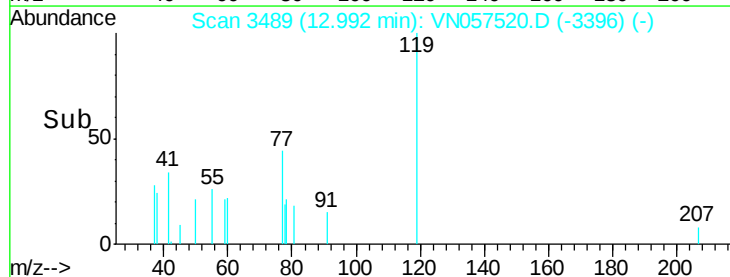
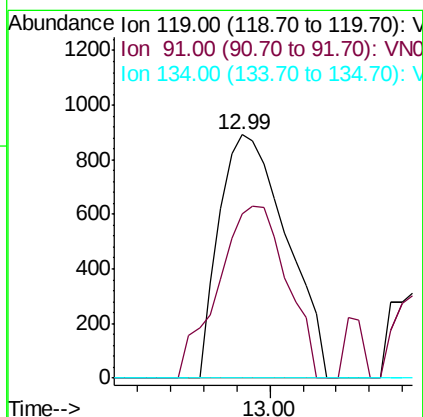
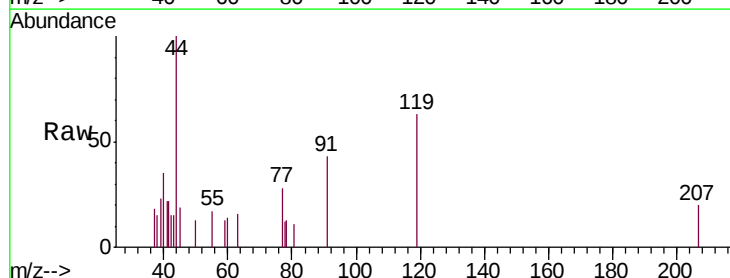
Instrument :
MSVOA_N
ClientSampleId :
T1-2-B-(0)

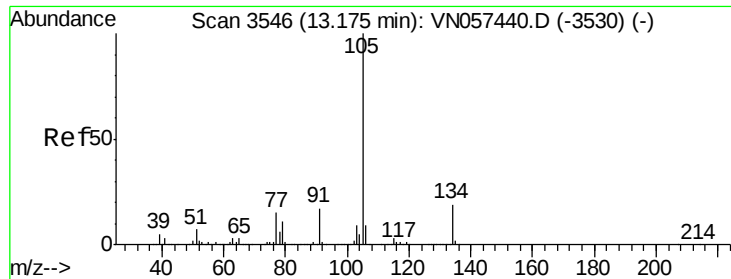
Tgt Ion: 91 Resp: 2466
Ion Ratio Lower Upper
91 100
126 23.5 15.0 45.0



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN057520.D
Acq: 26 Aug 2019 19:31

Tgt Ion: 119 Resp: 1260
Ion Ratio Lower Upper
119 100
91 71.7 37.0 111.0
134 0.0 12.2 36.6#

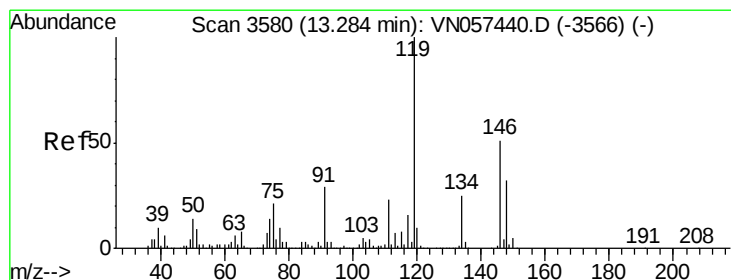
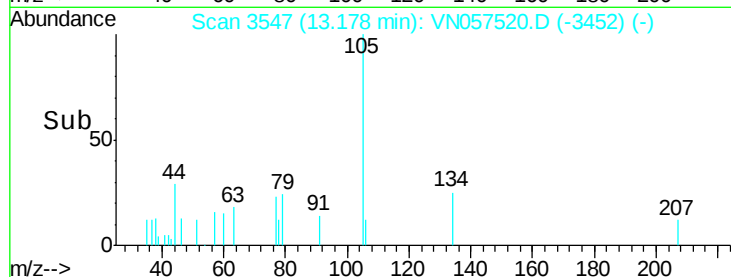
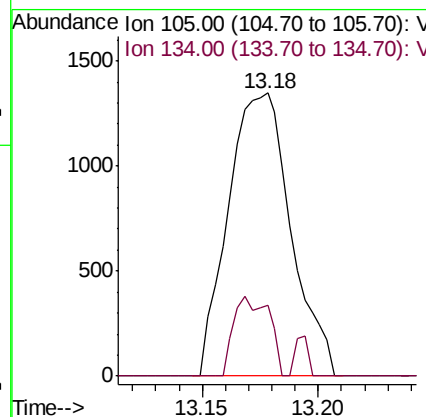
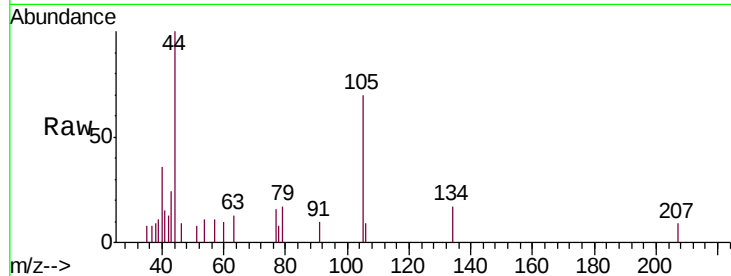




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

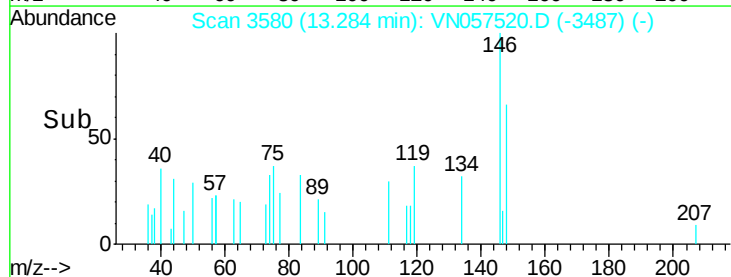
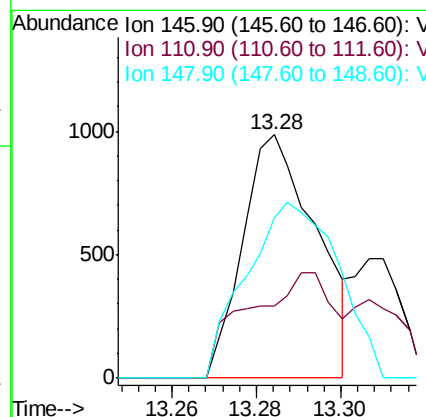
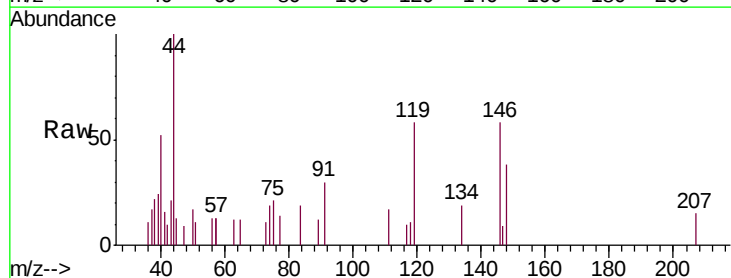
Instrument :
 MSVOA_N
 ClientSampled :
 T1-2-B-(0)

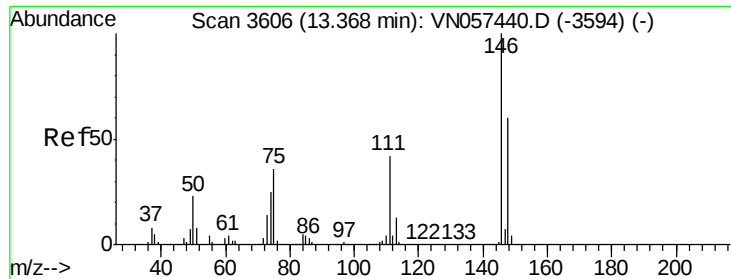
Tgt Ion:105 Resp: 2524
 Ion Ratio Lower Upper
 105 100
 134 16.0 9.3 27.9



#87
 1,3-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Tgt Ion:146 Resp: 1192
 Ion Ratio Lower Upper
 146 100
 111 50.2 22.1 66.1
 148 90.3 31.9 95.9





#88

1,4-Dichlorobenzene

Concen: 0.255 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

T1-2-B-(0)

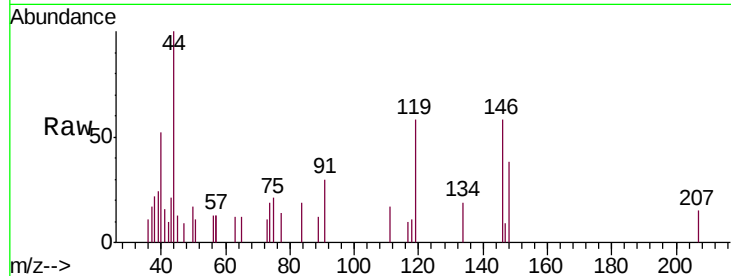
Tgt Ion:146 Resp: 1192

Ion Ratio Lower Upper

146 100

111 50.2 21.9 65.5

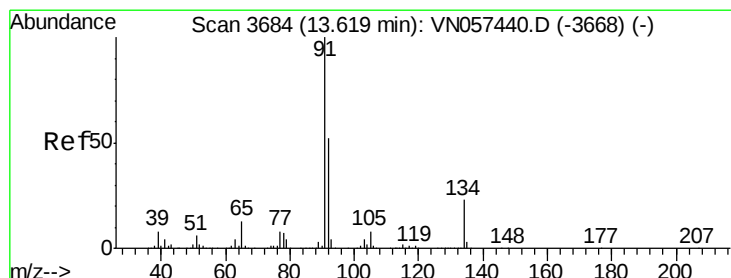
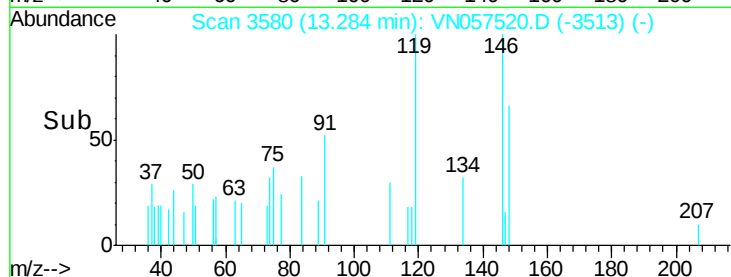
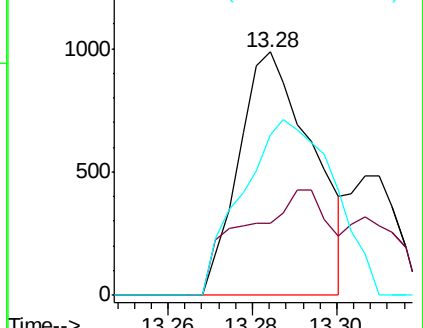
148 90.3 31.1 93.2



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: 0.256 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

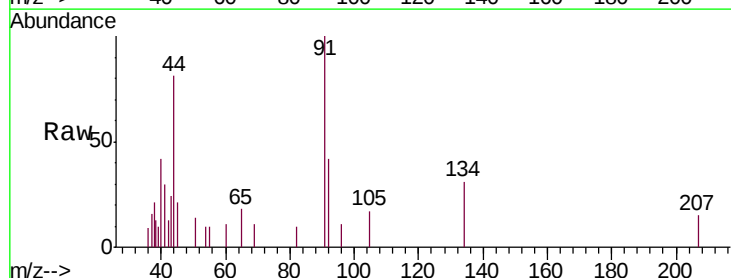
Tgt Ion: 91 Resp: 2501

Ion Ratio Lower Upper

91 100

92 26.5 25.7 77.0

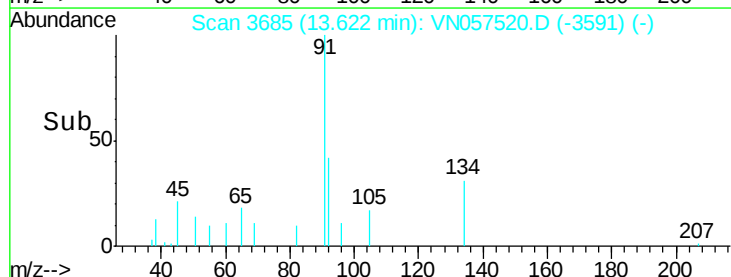
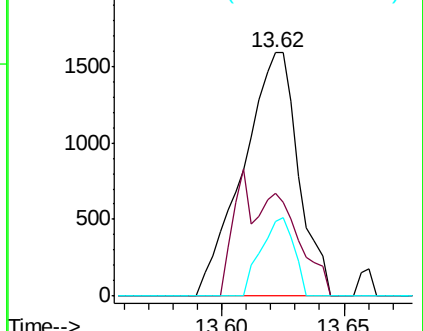
134 19.1 11.4 34.1

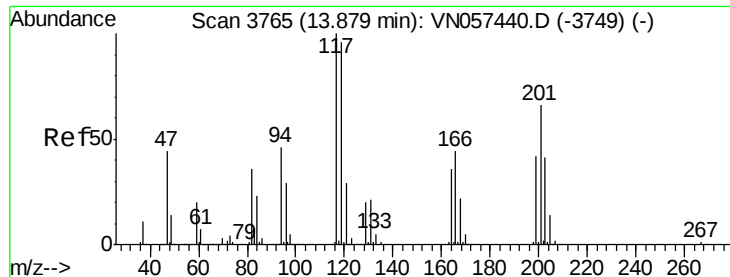


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.63 min Scan# 3686

Delta R.T. -0.25 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

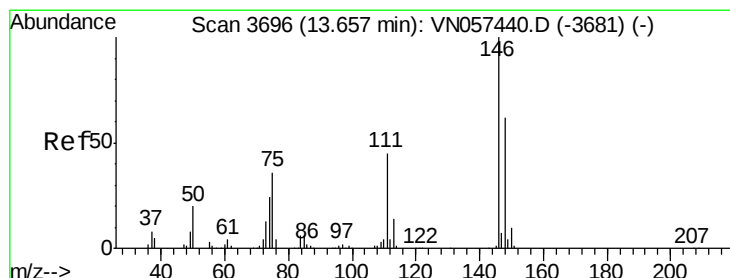
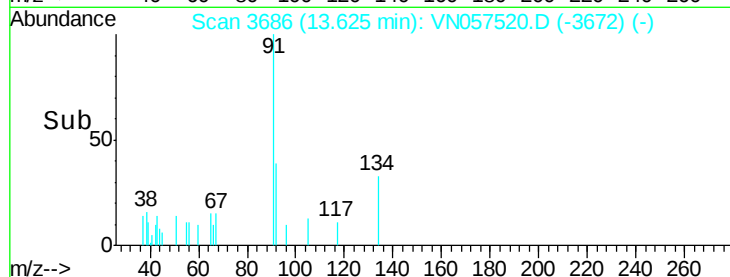
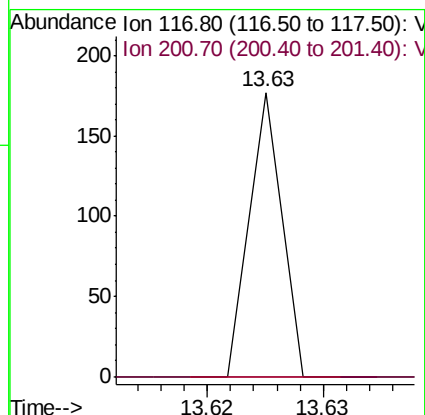
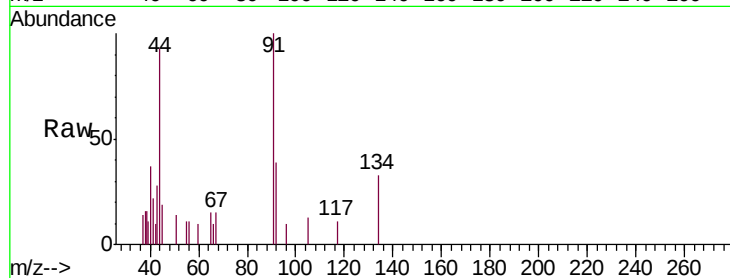
T1-2-B-(0)

Tgt Ion:117 Resp: 34

Ion Ratio Lower Upper

117 100

201 0.0 33.1 99.3#



#91

1,2-Dichlorobenzene

Concen: 0.376 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

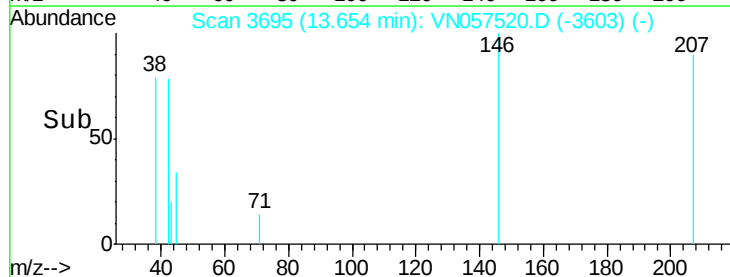
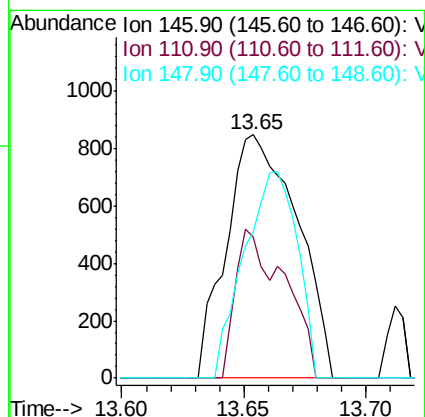
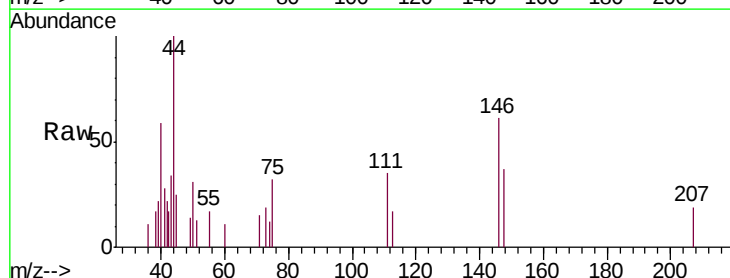
Tgt Ion:146 Resp: 1710

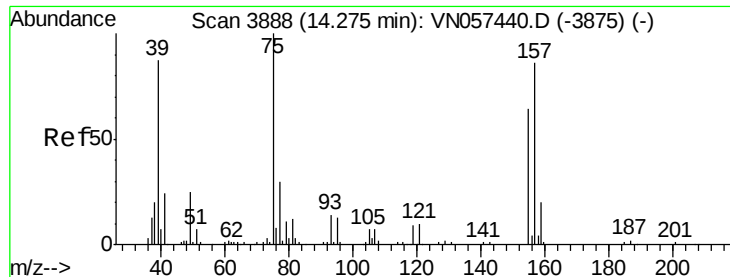
Ion Ratio Lower Upper

146 100

111 42.6 23.1 69.2

148 63.6 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3890

Delta R.T. 0.01 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T1-2-B-(0)

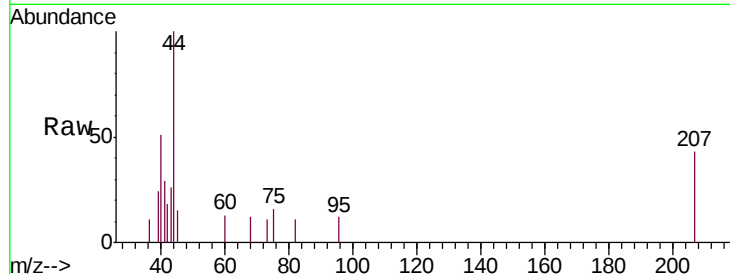
Tgt Ion: 75 Resp: 119

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

157 0.0 43.3 129.8#

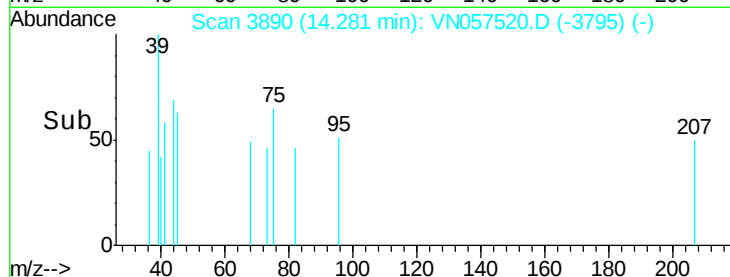


Abundance Ion 74.90 (74.60 to 75.60): VN057520.D (-3994) (-)

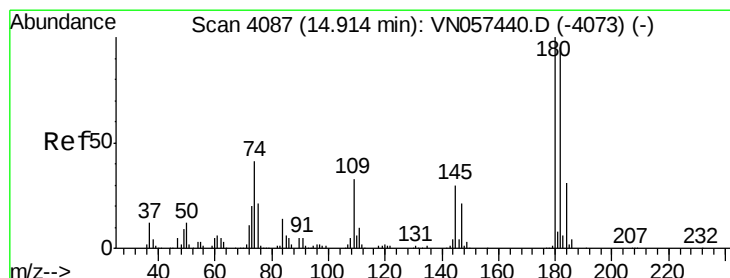
Ion 154.80 (154.50 to 155.50): VN057520.D (-3994) (-)

Ion 156.80 (156.50 to 157.50): VN057520.D (-3994) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 6.006 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

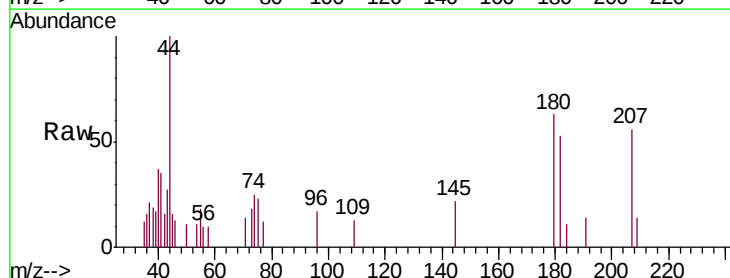
Tgt Ion: 180 Resp: 1309

Ion Ratio Lower Upper

180 100

182 94.4 46.7 140.1

145 28.3 15.6 46.8

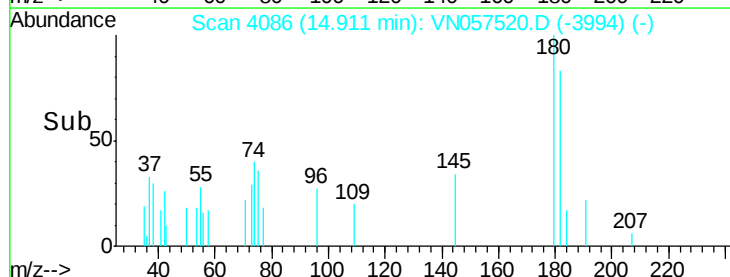


Abundance Ion 179.80 (179.50 to 180.50): VN057520.D (-3994) (-)

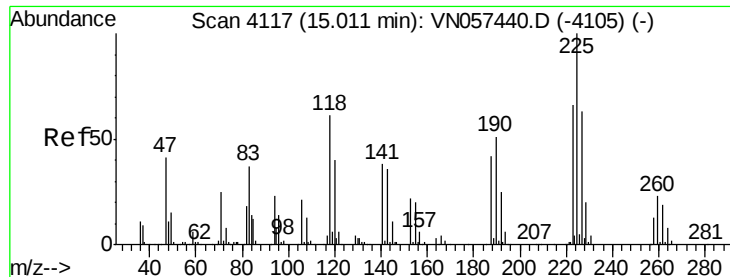
Ion 181.80 (181.50 to 182.50): VN057520.D (-3994) (-)

Ion 144.80 (144.50 to 145.50): VN057520.D (-3994) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

T1-2-B-(0)

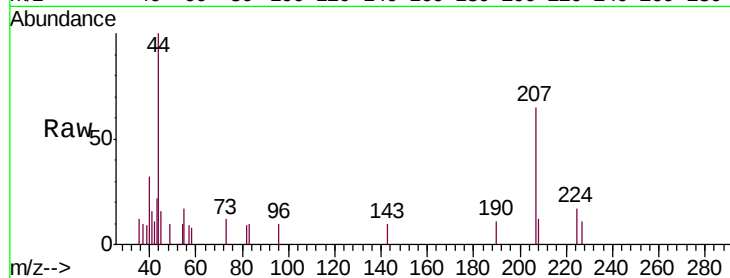
Tgt Ion:225 Resp: 356

Ion Ratio Lower Upper

225 100

223 66.9 32.0 96.2

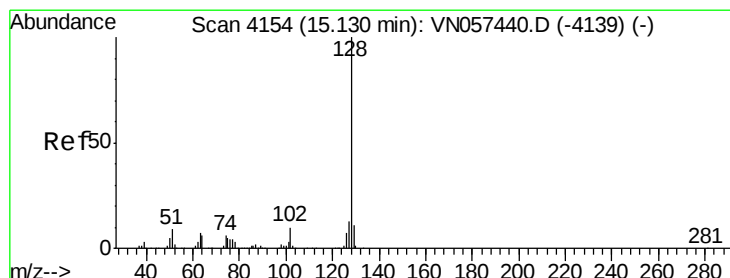
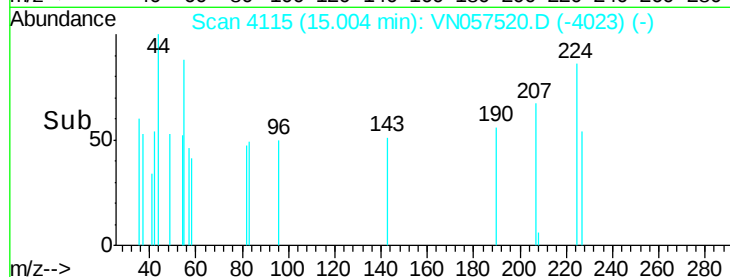
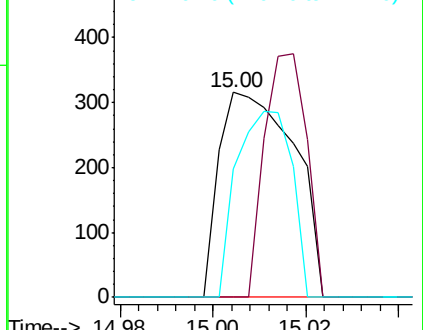
227 66.6 31.5 94.5



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: 4.994 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057520.D

Acq: 26 Aug 2019 19:31

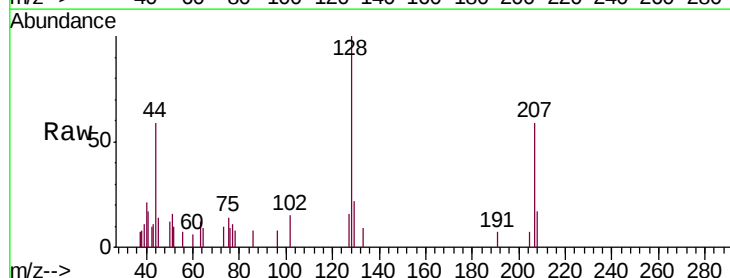
Tgt Ion:128 Resp: 4211

Ion Ratio Lower Upper

128 100

127 11.3 10.5 15.7

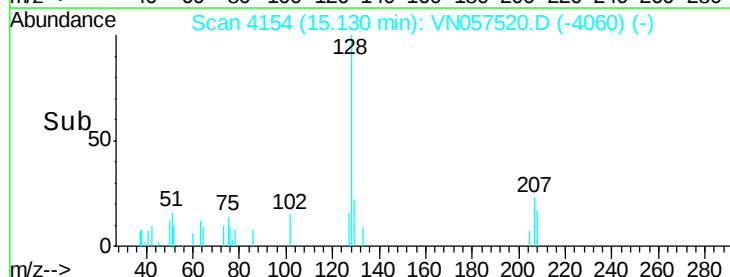
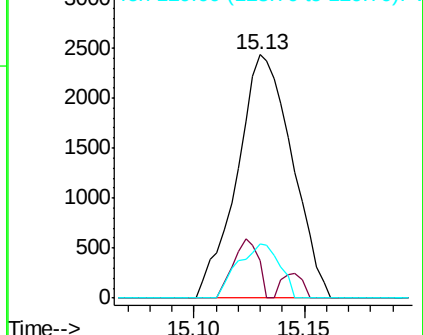
129 16.9 8.6 13.0#

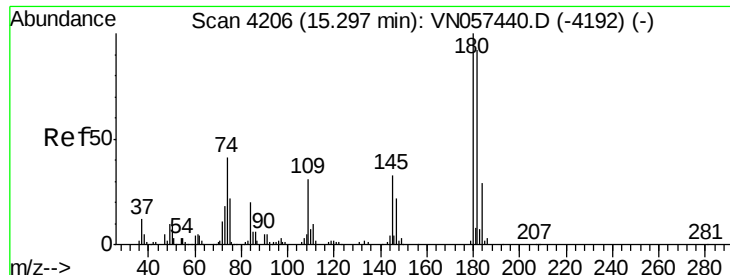


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 5.854 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057520.D
 Acq: 26 Aug 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-B-(0)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.7	140.1
145	12.9	16.8	50.3

