

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
 Data File : VN057169.D
 Acq On : 10 Aug 2019 11:50
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

Quant Time: Aug 11 03:56:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	184233	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	1016932	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	879425	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	348761	29.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.80%
60) 4-Bromofluorobenzene	11.92	95	370062	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	9.56	98	1228642	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	203949	20.296 ug/l	99
3) Chloromethane	2.00	50	246735	21.196 ug/l	98
4) Vinyl Chloride	2.11	62	245019	20.690 ug/l	97
5) Bromomethane	2.44	94	196064	23.242 ug/l	100
6) Chloroethane	2.55	64	152455	19.853 ug/l	99
7) Trichlorofluoromethane	2.83	101	346416	19.618 ug/l	100
8) Diethyl Ether	3.14	74	131719	20.015 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	207361	19.414 ug/l	98
10) 1,1-Dichloroethene	3.43	96	208939	19.785 ug/l	98
11) Methyl Iodide	3.63	142	305286	18.526 ug/l	95
12) Methyl Acetate	3.89	43	222072	20.187 ug/l	98
13) Acrolein	3.31	56	123608	101.885 ug/l	98
14) Acrylonitrile	4.45	53	470886	102.596 ug/l	99
15) Acetone	3.47	58	146637	96.266 ug/l	96
16) Carbon Disulfide	3.72	76	596193	20.926 ug/l	99
17) Allyl chloride	3.91	41	323855	20.801 ug/l	99
18) Methylene Chloride	4.10	84	234305	19.570 ug/l	98
19) trans-1,2-Dichloroethene	4.51	96	229098	20.235 ug/l	97
20) Diisopropyl ether	5.31	45	642914	20.248 ug/l	97
21) 1,1-Dichloroethane	5.25	63	393211	19.884 ug/l	100
22) cis-1,2-Dichloroethene	6.21	96	261566	20.298 ug/l	99
23) tert-Butyl Alcohol	4.23	59	157312	103.868 ug/l	# 100
24) Methyl tert-Butyl Ether	4.49	73	624117	20.097 ug/l	100
25) Chloroform	6.76	83	400234	19.683 ug/l	99
26) Cyclohexane	7.07	56	336001	19.875 ug/l	# 99
29) 1,1-Dichloropropene	7.20	75	300728	19.664 ug/l	100
30) 2-Butanone	6.20	43	591559	98.252 ug/l	99
31) 2,2-Dichloropropane	6.21	77	326564	19.973 ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	353542	19.962 ug/l	98
33) Carbon Tetrachloride	7.19	117	306353	19.432 ug/l	95
34) Benzene	7.46	78	925241	19.820 ug/l	99
35) Methacrylonitrile	6.55	41	128903	21.183 ug/l	96
36) 1,2-Dichloroethane	7.54	62	286454	19.208 ug/l	99
37) Trichloroethene	8.27	130	262594	19.795 ug/l	100
38) Methylcyclohexane	8.52	83	363598	19.924 ug/l	99
39) 1,2-Dichloropropane	8.56	63	241070	20.034 ug/l	98
40) Dibromomethane	8.65	93	154034	19.884 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	303297	19.691	ug/l	100
42) Vinyl Acetate	5.26	43	2547206	101.766	ug/l	100
43) Ethyl Acetate	6.28	43	221864	19.980	ug/l	95
44) Isopropyl Acetate	7.56	43	406574	20.166	ug/l	96
45) 1,4-Dioxane	8.64	88	77526	412.049	ug/l	98
46) Methyl methacrylate	8.63	41	185111	20.137	ug/l	94
47) n-amyl Acetate	11.59	43	291943	19.682	ug/l	99
48) t-1,3-Dichloropropene	9.86	75	324906	19.782	ug/l	100
49) cis-1,3-Dichloropropene	9.30	75	373249	20.047	ug/l	98
50) 1,1,2-Trichloroethane	10.04	97	219969	19.868	ug/l	98
51) Ethyl methacrylate	9.90	69	319781	20.467	ug/l	96
52) 1,3-Dichloropropane	10.19	76	366990	19.886	ug/l	100
53) Dibromochloromethane	10.39	129	245503	19.679	ug/l	100
54) 1,2-Dibromoethane	10.50	107	230508	19.945	ug/l	99
55) 2-Chloroethyl vinyl ether	9.15	63	410135	92.968	ug/l	99
56) Bromoform	11.64	173	178510	19.363	ug/l	100
58) 4-Methyl-2-Pentanone	9.44	43	1171485	103.694	ug/l	98
59) 2-Hexanone	10.24	43	837902	103.161	ug/l	98
61) Tetrachloroethene	10.11	164	269385	19.958	ug/l	98
62) Toluene	9.63	91	997216	19.922	ug/l	99
64) Chlorobenzene	10.93	112	620350	20.149	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.01	131	238614	20.210	ug/l	98
66) Ethyl Benzene	11.01	91	1072241	19.983	ug/l	100
67) m/p-Xylenes	11.12	106	809846	40.022	ug/l	99
68) o-Xylene	11.46	106	398124	20.265	ug/l	99
69) Styrene	11.47	104	621801	19.739	ug/l	100
70) Isopropylbenzene	11.76	105	1070639	20.242	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.02	83	296042	20.436	ug/l	100
72) 1,2,3-Trichloropropane	12.08	75	354813	27.985	ug/l	62
73) Bromobenzene	12.05	156	272994	19.905	ug/l	96
74) n-propylbenzene	12.11	91	1080963	19.468	ug/l	100
75) 2-Chlorotoluene	12.20	91	687221	20.010	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	890591	19.998	ug/l	88
77) t-1,4-Dichloro-2-butene	11.82	75	82820	19.410	ug/l	94
78) 4-Chlorotoluene	12.30	91	624227	19.570	ug/l	99
79) tert-butylbenzene	12.52	119	797799	20.325	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	840566	20.014	ug/l	99
81) sec-Butylbenzene	12.70	105	959113	19.379	ug/l	98
82) p-Isopropyltoluene	12.82	119	840814	19.079	ug/l	99
83) 1,3-Dichlorobenzene	12.81	146	399402	19.125	ug/l	98
84) 1,4-Dichlorobenzene	12.89	146	361458	18.607	ug/l	99
85) n-Butylbenzene	13.15	91	624251	19.591	ug/l	99
86) Hexachloroethane	13.41	117	152548	19.037	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	402044	19.413	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.81	75	39507	19.438	ug/l	91
89) 1,2,4-Trichlorobenzene	14.45	180	176315	23.197	ug/l	99
90) Hexachlorobutadiene	14.55	225	177122	19.838	ug/l	99
91) Naphthalene	14.67	128	356850	22.699	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	205169	26.875	ug/l	99

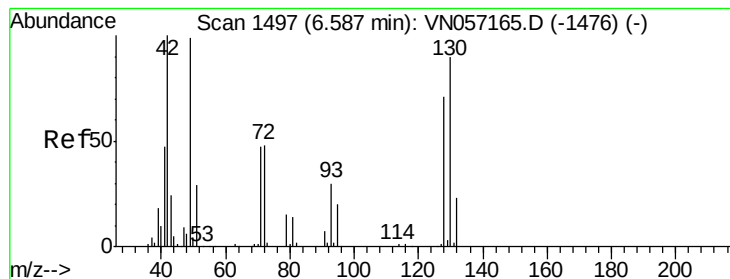
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN081019

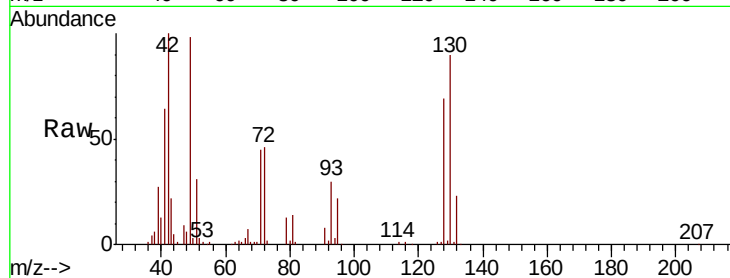
Tgt Ion:128 Resp: 184233

Ion Ratio Lower Upper

128 100

49 139.3 0.0 361.0

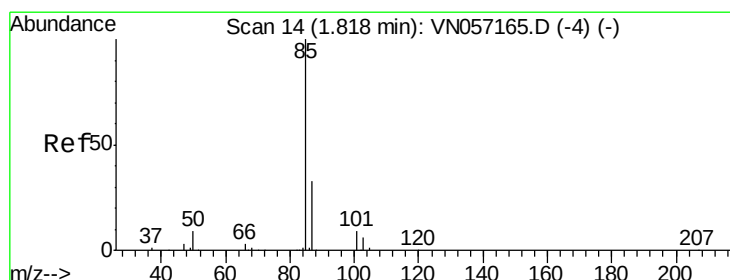
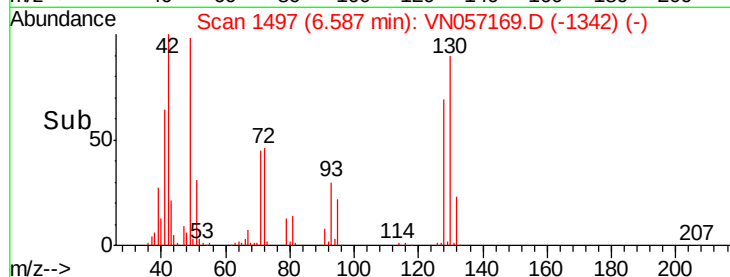
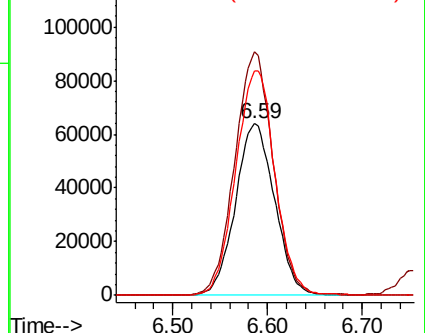
130 131.3 0.0 329.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.296 ug/l

RT: 1.82 min Scan# 14

Delta R.T. -0.00 min

Lab File: VN057169.D

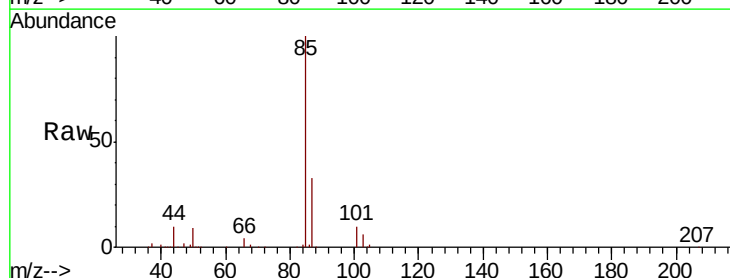
Acq: 10 Aug 2019 11:50

Tgt Ion: 85 Resp: 203949

Ion Ratio Lower Upper

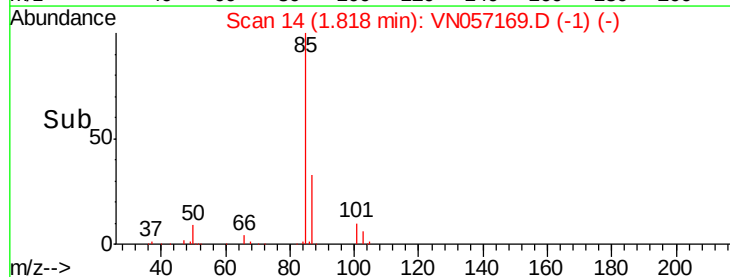
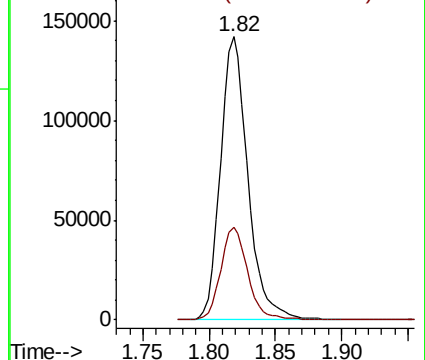
85 100

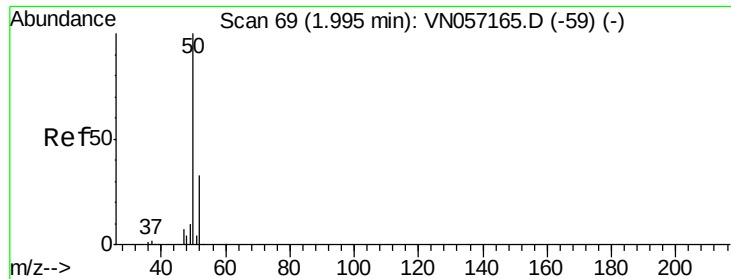
87 32.6 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.196 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

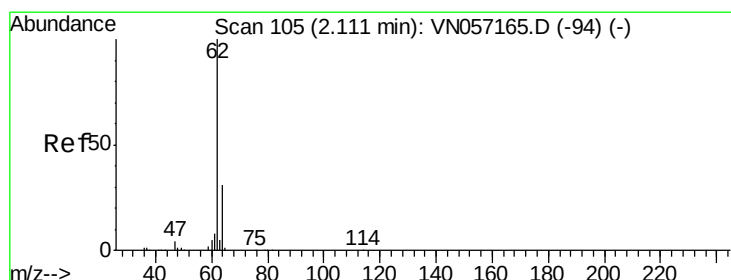
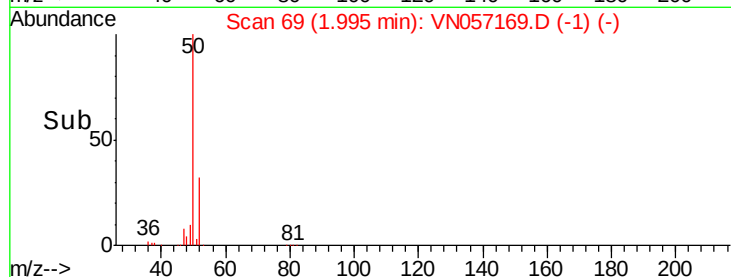
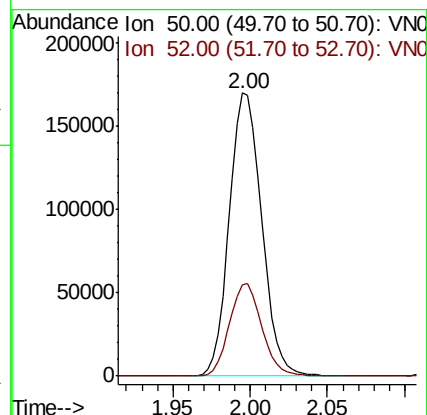
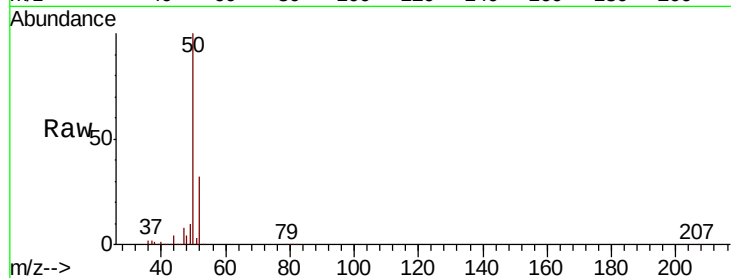
ICVFN081019

Tgt Ion: 50 Resp: 246735

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



#4

Vinyl Chloride

Concen: 20.690 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057169.D

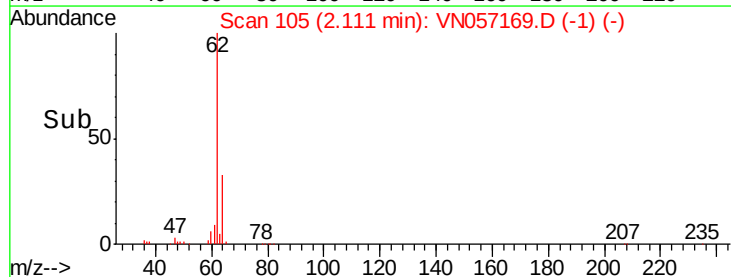
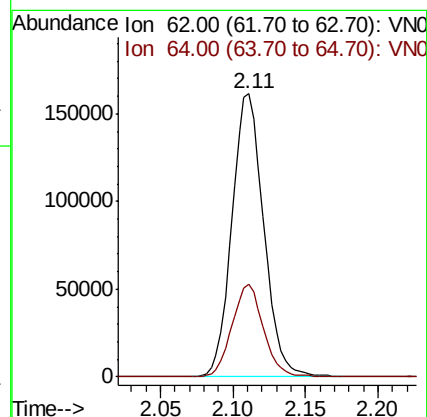
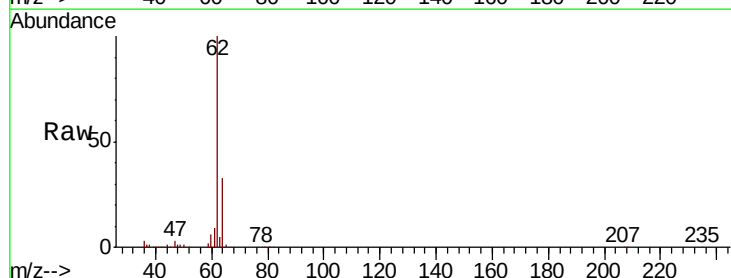
Acq: 10 Aug 2019 11:50

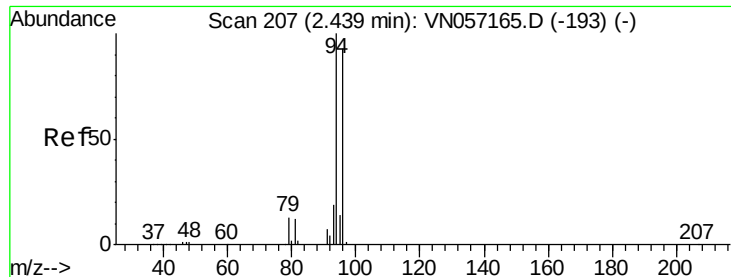
Tgt Ion: 62 Resp: 245019

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 23.242 ug/l

RT: 2.44 min Scan# 206

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

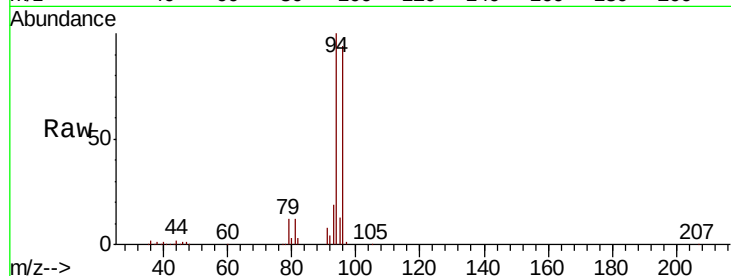
ICVVN081019

Tgt Ion: 94 Resp: 196064

Ion Ratio Lower Upper

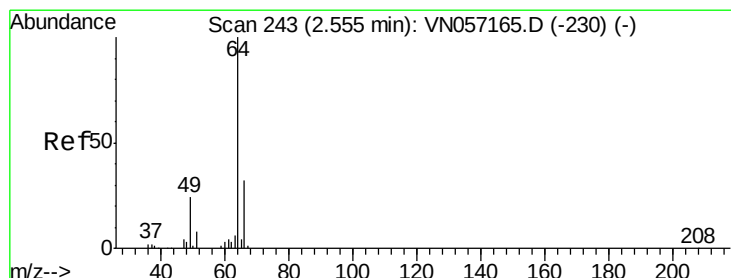
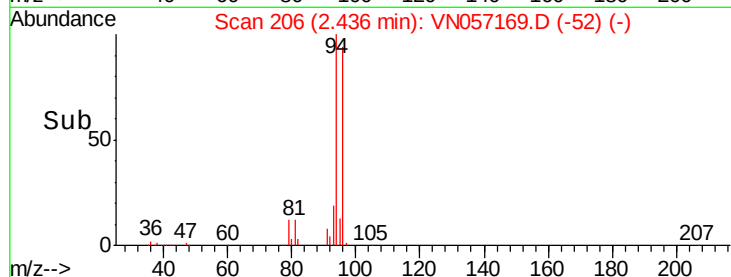
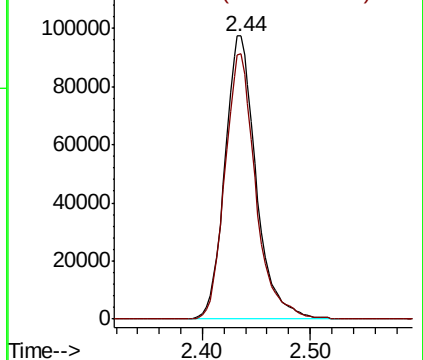
94 100

96 93.4 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.853 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN057169.D

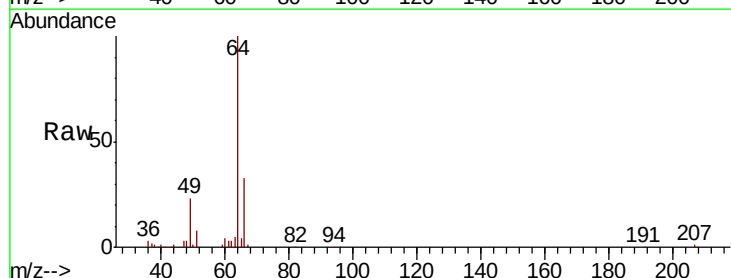
Acq: 10 Aug 2019 11:50

Tgt Ion: 64 Resp: 152455

Ion Ratio Lower Upper

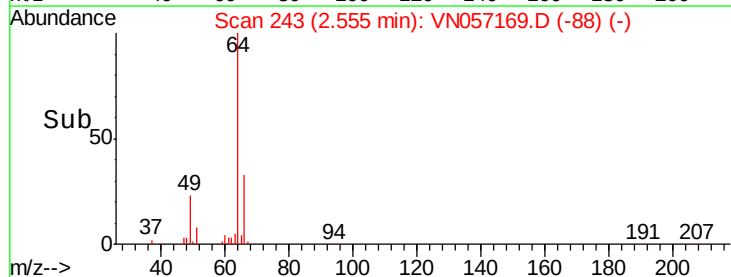
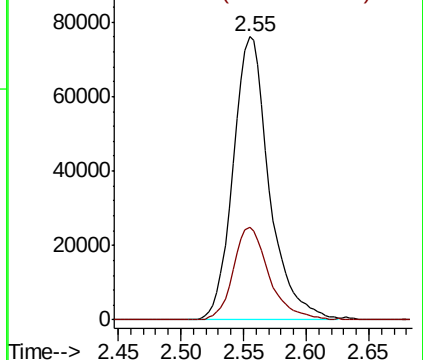
64 100

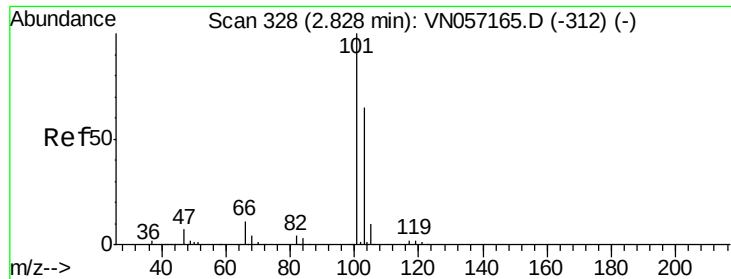
66 32.8 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



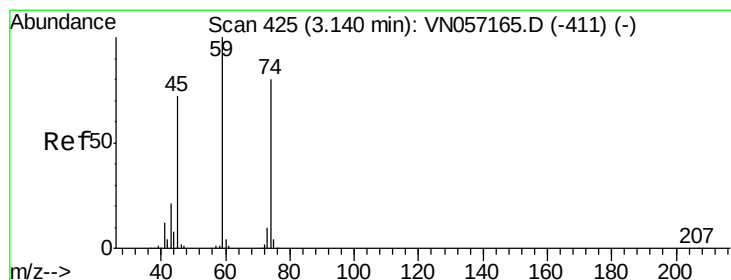
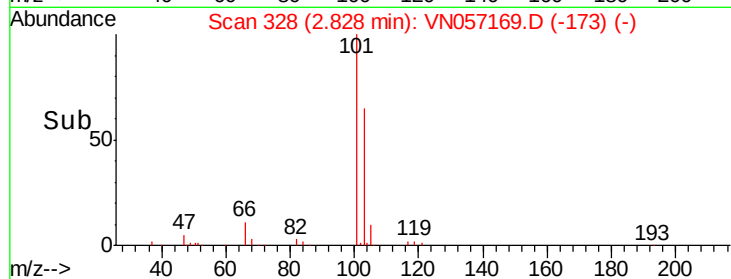
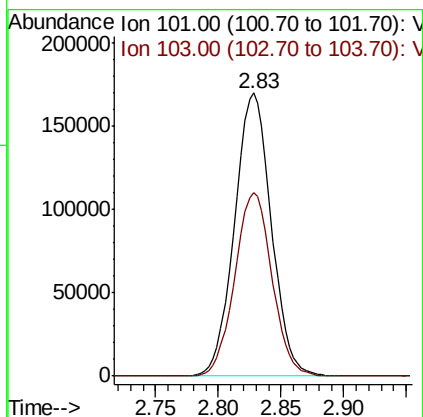
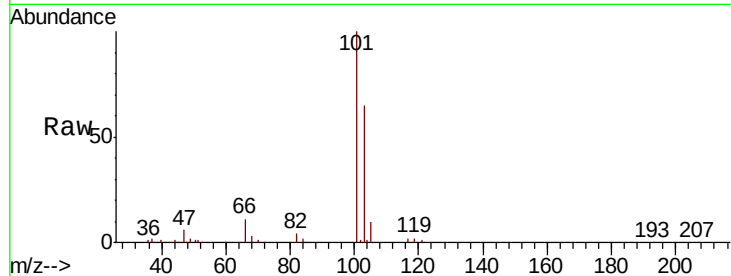


#7

Trichlorofluoromethane
 Concen: 19.618 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VN057169.D
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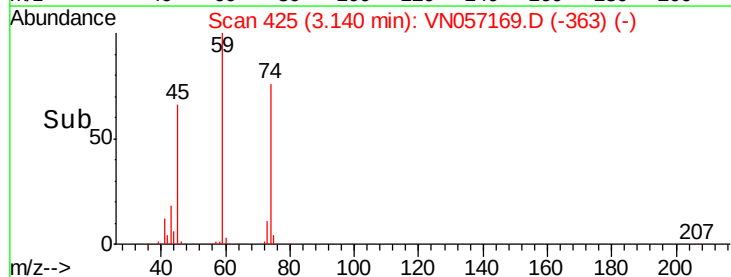
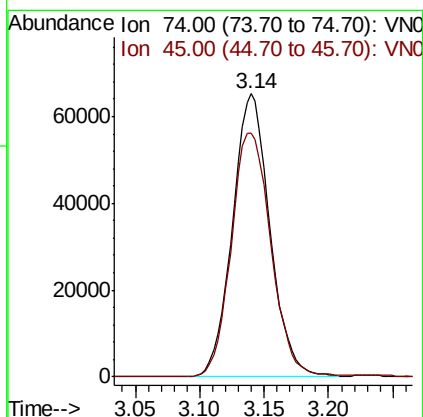
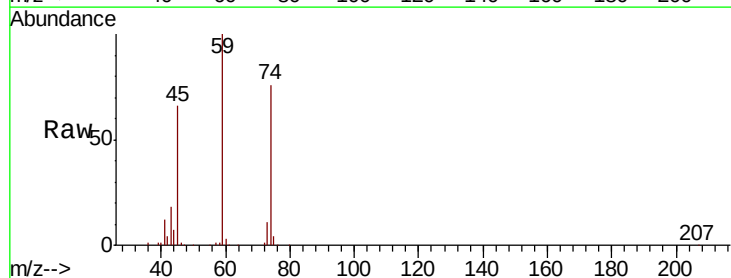
Tgt Ion: 101 Resp: 346416
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8

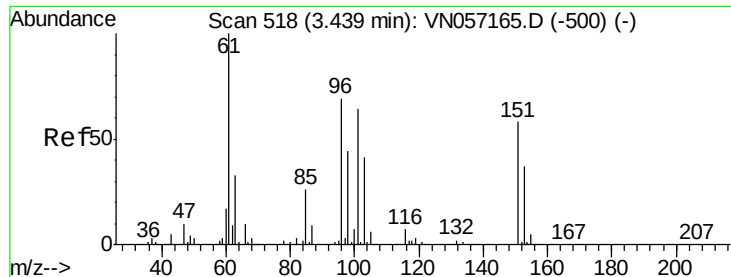


#8

Diethyl Ether
 Concen: 20.015 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 74 Resp: 131719
 Ion Ratio Lower Upper
 74 100
 45 90.8 17.9 161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.414 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

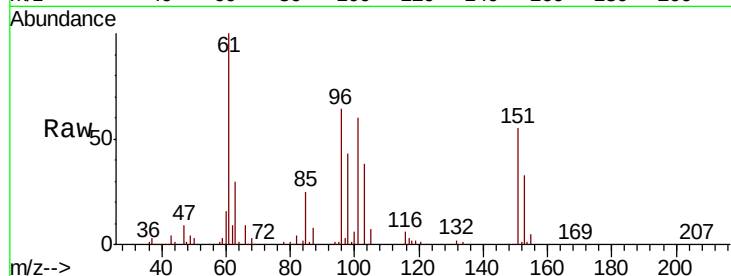
Tgt Ion: 101 Resp: 207361

Ion Ratio Lower Upper

101 100

85 42.2 0.0 84.4

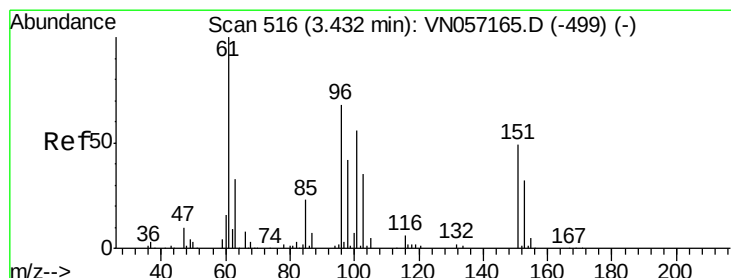
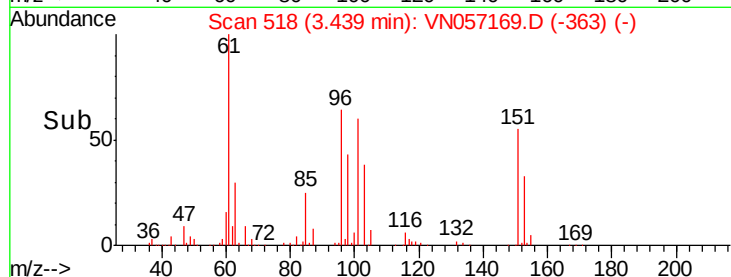
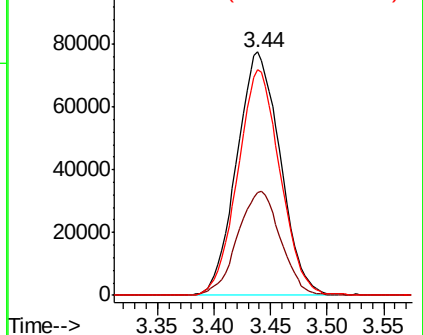
151 90.3 0.0 175.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.785 ug/l

RT: 3.43 min Scan# 516

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

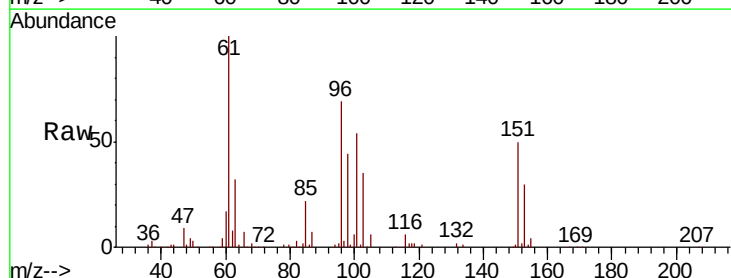
Tgt Ion: 96 Resp: 208939

Ion Ratio Lower Upper

96 100

61 145.9 118.2 177.2

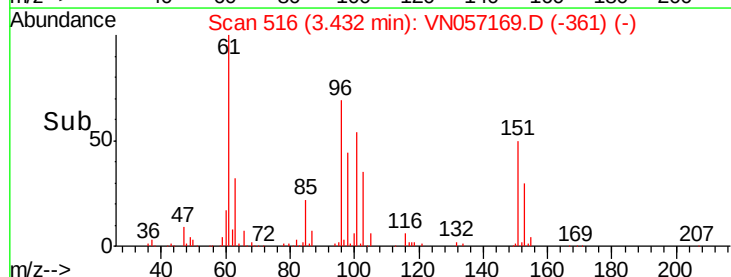
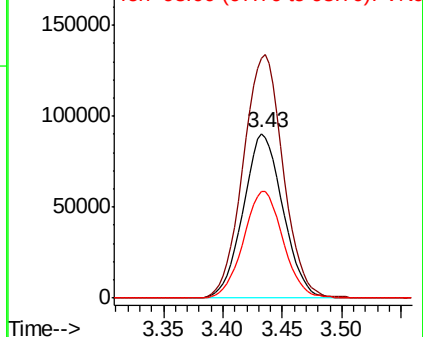
98 64.7 49.3 73.9

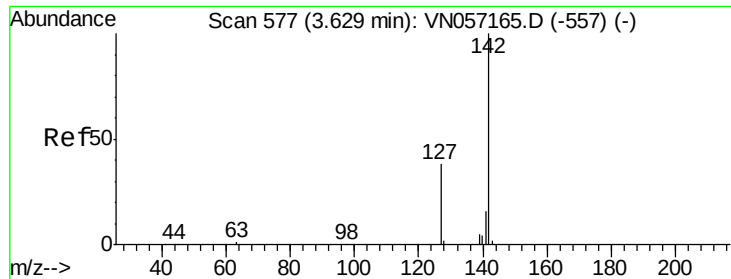


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

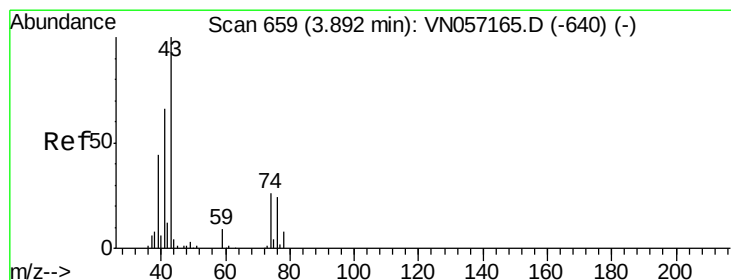
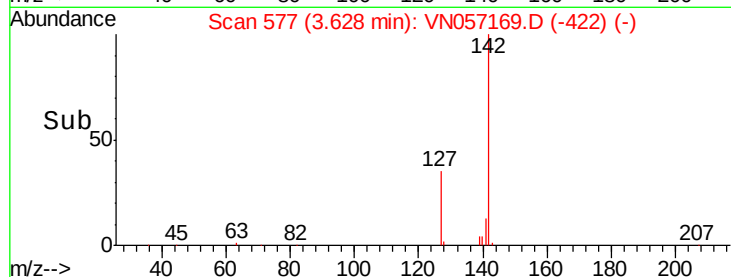
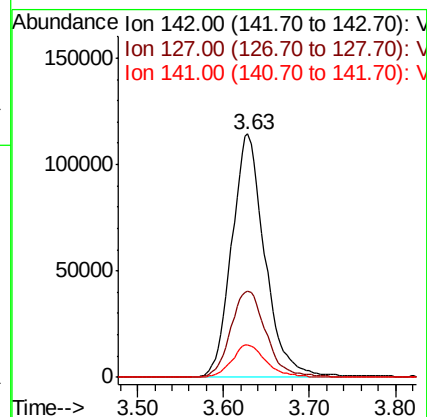
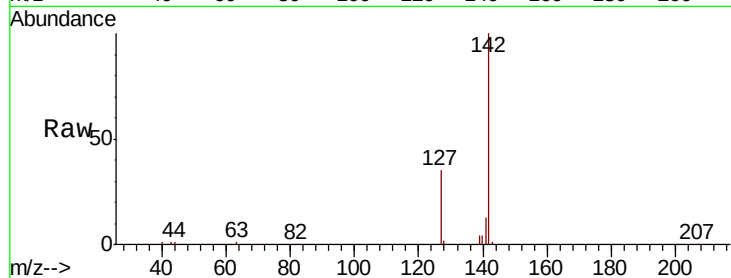




#11
Methyl Iodide
Concen: 18.526 ug/l
RT: 3.63 min Scan# 577
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

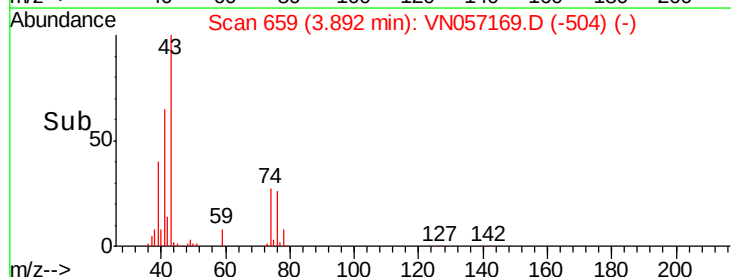
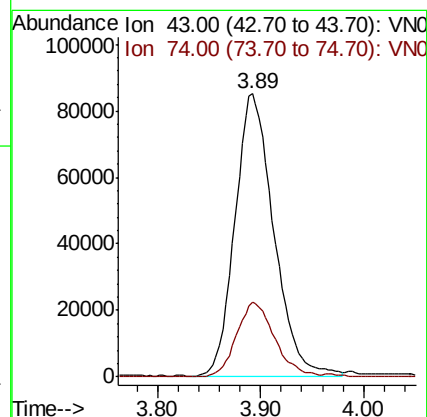
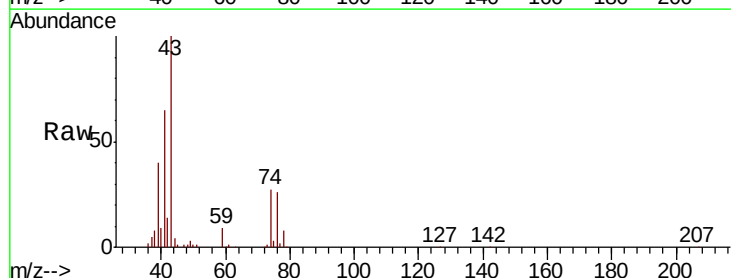
Instrument :
MSVOA_N
ClientSampled :
ICVVN081019

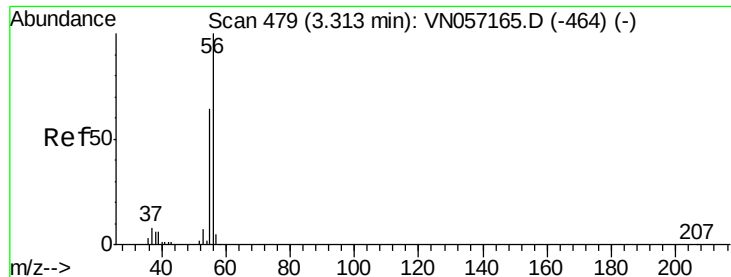
Tgt Ion: 142 Resp: 305286
Ion Ratio Lower Upper
142 100
127 35.2 19.0 57.0
141 13.2 7.8 23.5



#12
Methyl Acetate
Concen: 20.187 ug/l
RT: 3.89 min Scan# 659
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion: 43 Resp: 222072
Ion Ratio Lower Upper
43 100
74 26.6 20.5 30.7





#13

Acrolein

Concen: 101.885 ug/l

RT: 3.31 min Scan# 478

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

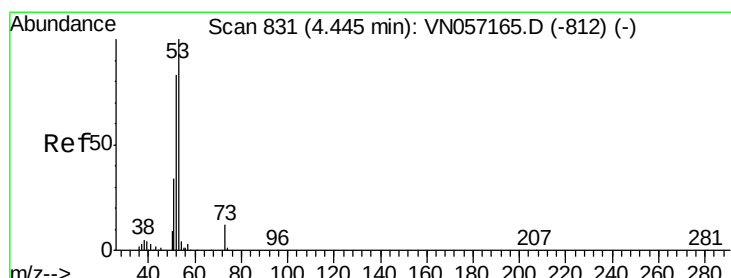
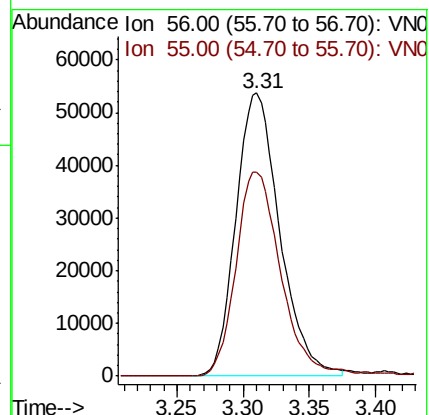
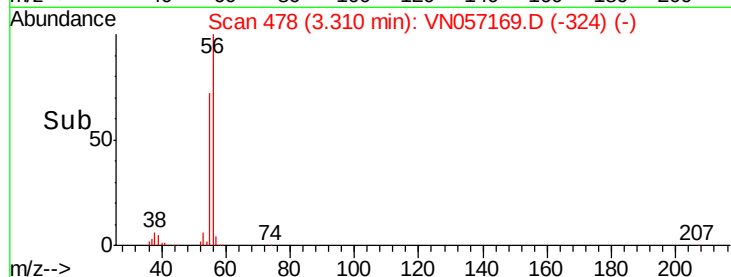
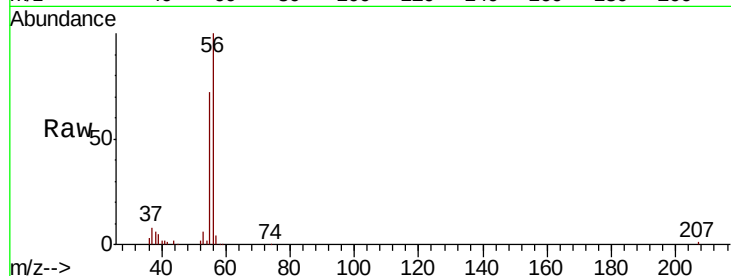
ICVVN081019

Tgt Ion: 56 Resp: 123608

Ion Ratio Lower Upper

56 100

55 72.5 56.5 84.7



#14

Acrylonitrile

Concen: 102.596 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

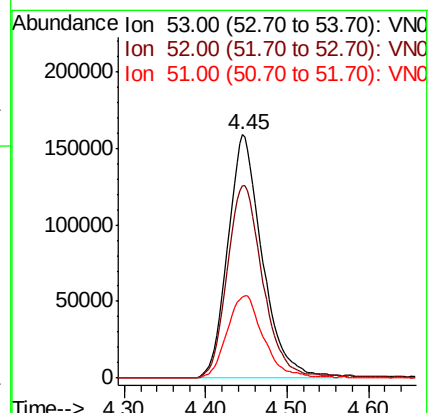
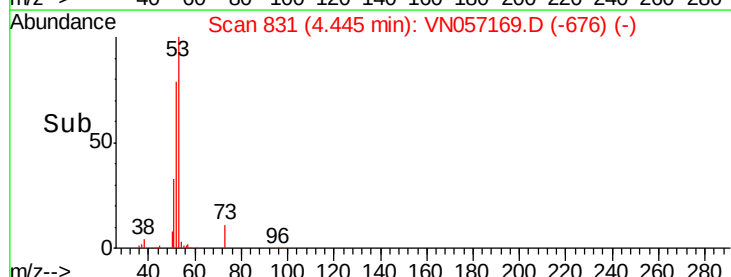
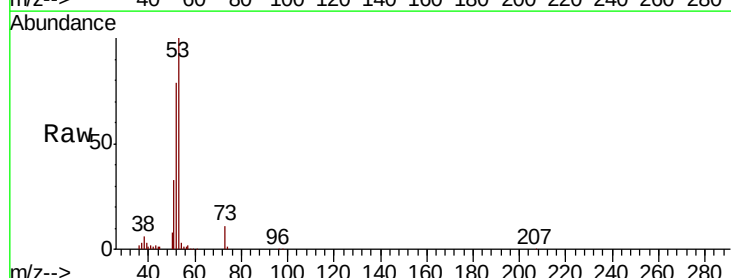
Tgt Ion: 53 Resp: 470886

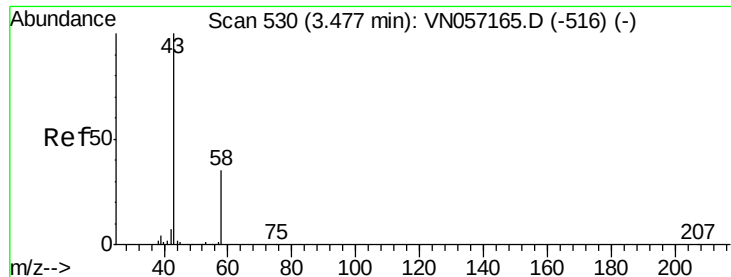
Ion Ratio Lower Upper

53 100

52 81.8 41.1 123.4

51 35.5 17.4 52.3





#15

Acetone

Concen: 96.266 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

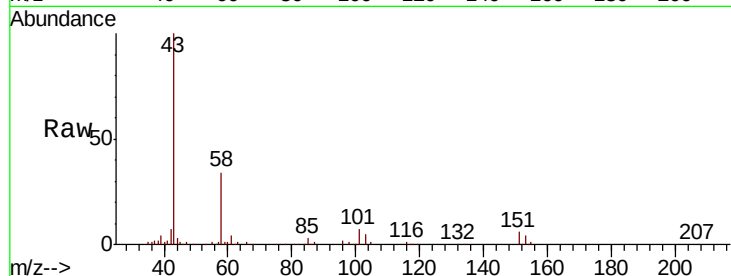
ICVFN081019

Tgt Ion: 58 Resp: 146637

Ion Ratio Lower Upper

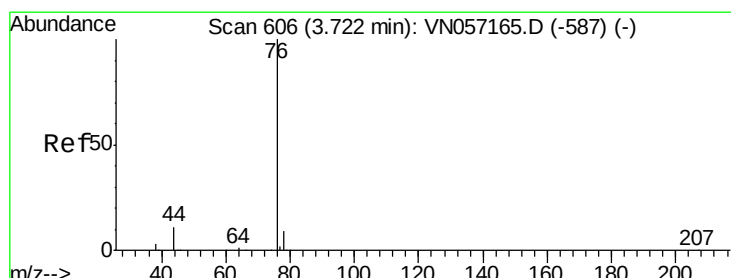
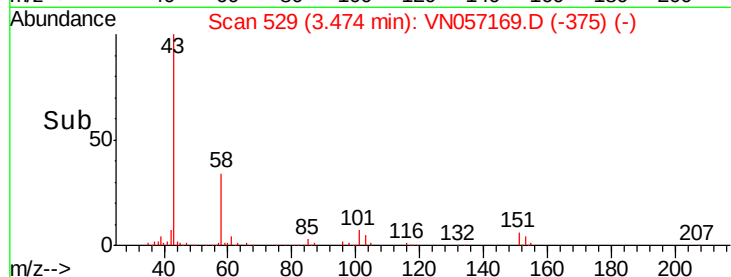
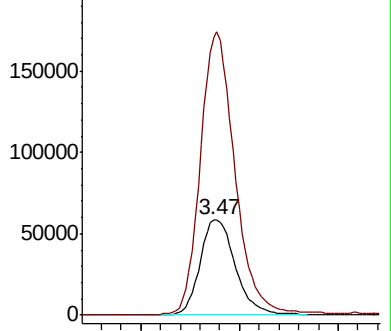
58 100

43 289.4 226.2 339.2



Abundance Ion 58.00 (57.70 to 58.70): VN057169.D (-516) (-)

Ion 43.00 (42.70 to 43.70): VN057169.D (-516) (-)



#16

Carbon Disulfide

Concen: 20.926 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057169.D

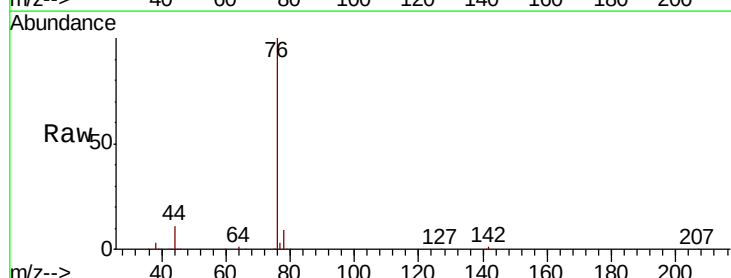
Acq: 10 Aug 2019 11:50

Tgt Ion: 76 Resp: 596193

Ion Ratio Lower Upper

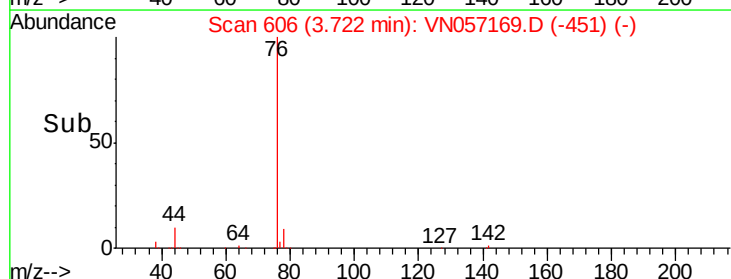
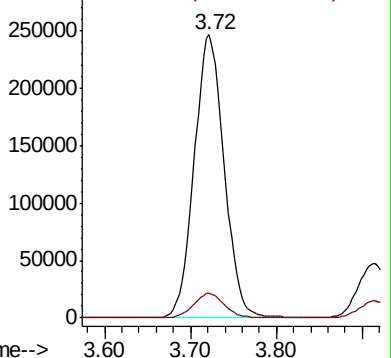
76 100

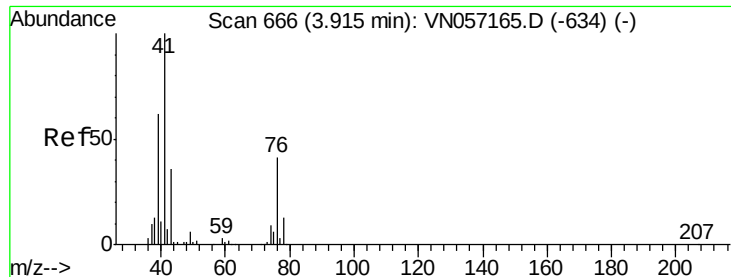
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057169.D (-587) (-)

Ion 78.00 (77.70 to 78.70): VN057169.D (-587) (-)

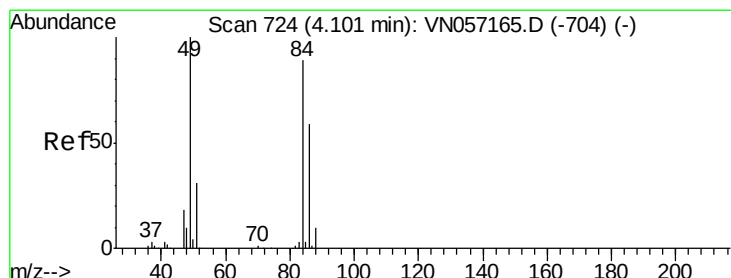
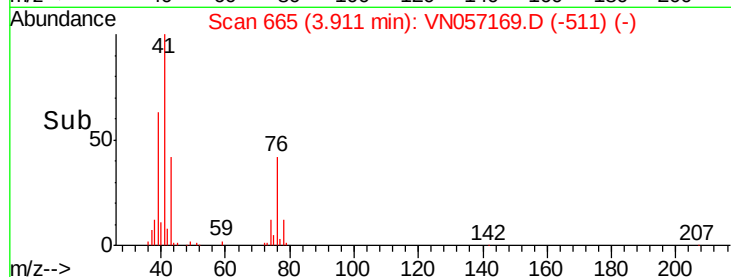
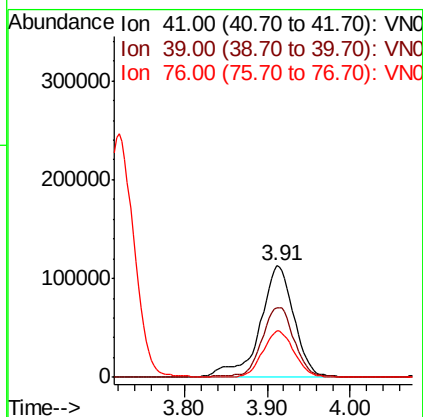
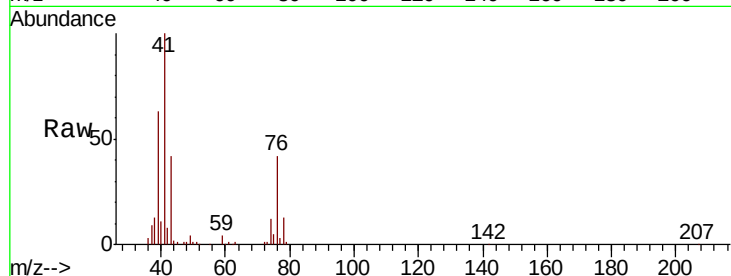




#17
 Allyl chloride
 Concen: 20.801 ug/l
 RT: 3.91 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

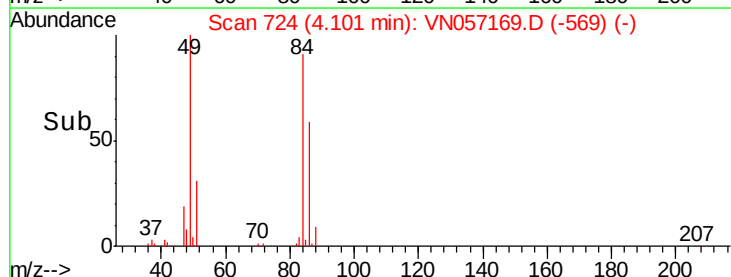
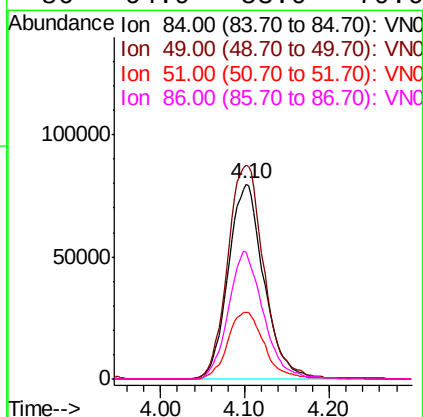
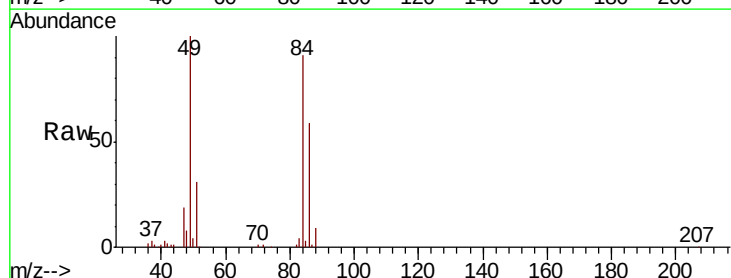
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

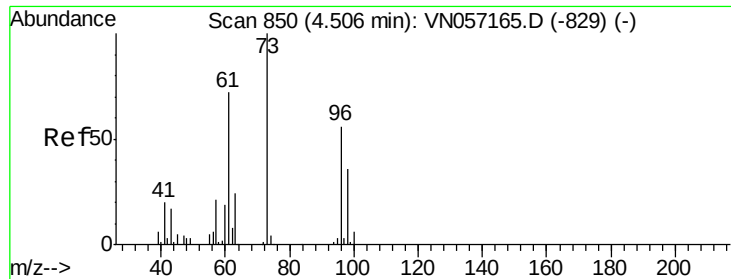
Tgt Ion: 41 Resp: 323855
 Ion Ratio Lower Upper
 41 100
 39 62.6 31.2 93.6
 76 41.6 20.5 61.6



#18
 Methylene Chloride
 Concen: 19.570 ug/l
 RT: 4.10 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 84 Resp: 234305
 Ion Ratio Lower Upper
 84 100
 49 109.6 90.1 135.1
 51 34.5 27.9 41.9
 86 64.9 53.0 79.6





#19

trans-1,2-Dichloroethene

Concen: 20.235 ug/l

RT: 4.51 min Scan# 852

Delta R.T. 0.01 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

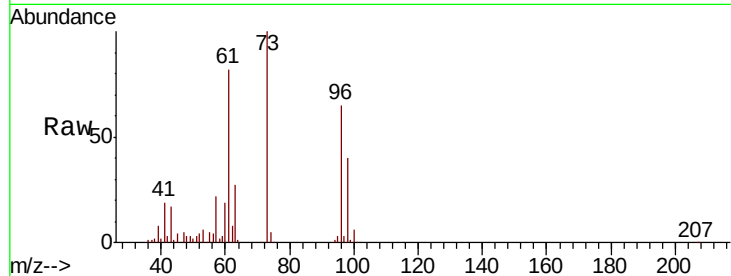
Tgt Ion: 96 Resp: 229098

Ion Ratio Lower Upper

96 100

61 126.2 103.6 155.4

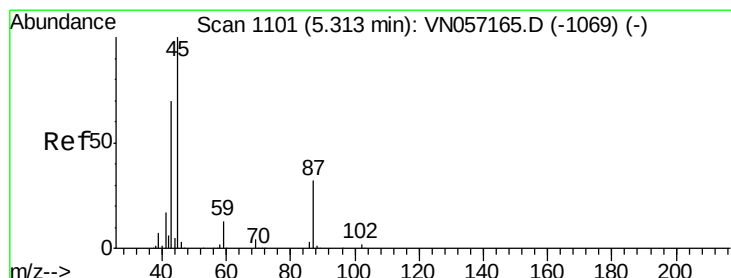
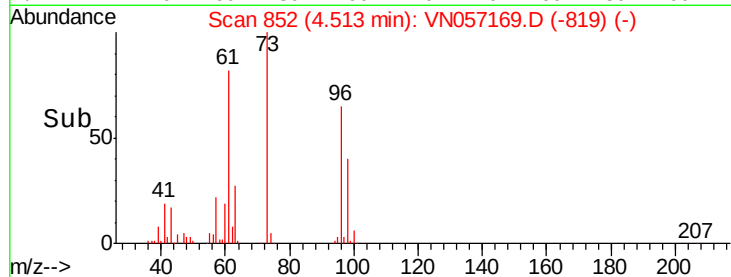
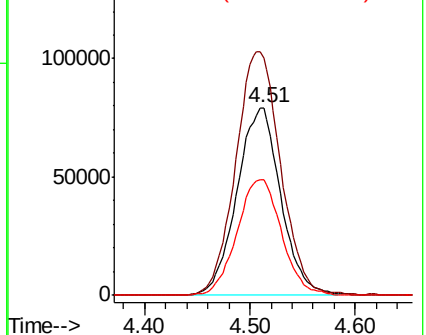
98 61.5 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.248 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Tgt Ion: 45 Resp: 642914

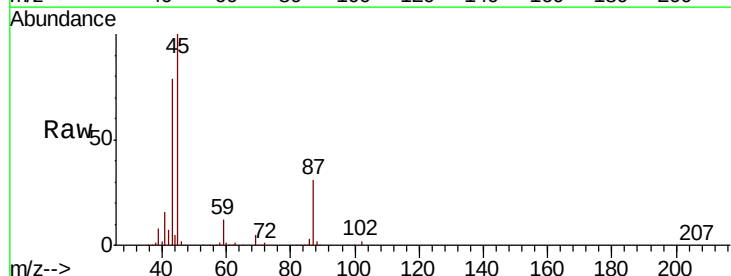
Ion Ratio Lower Upper

45 100

43 77.6 60.0 90.0

87 30.9 25.9 38.9

59 11.8 10.5 15.7

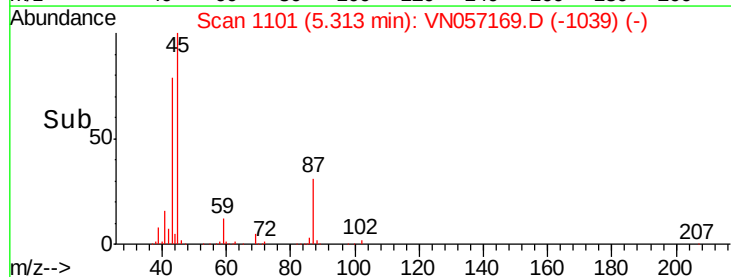
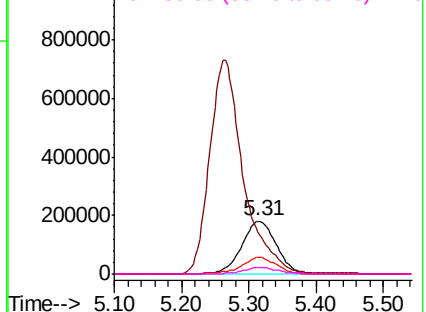


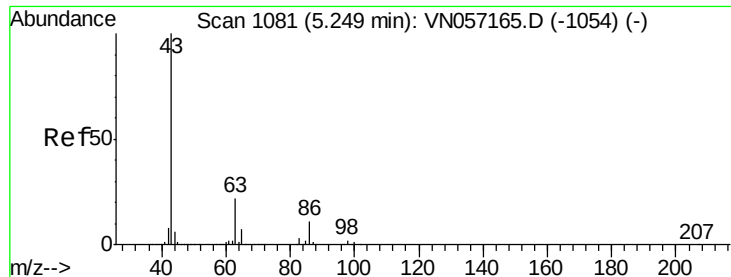
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

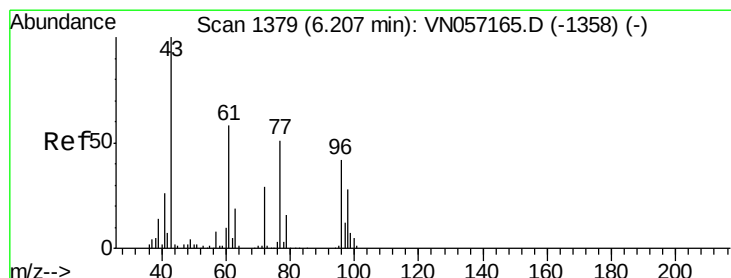
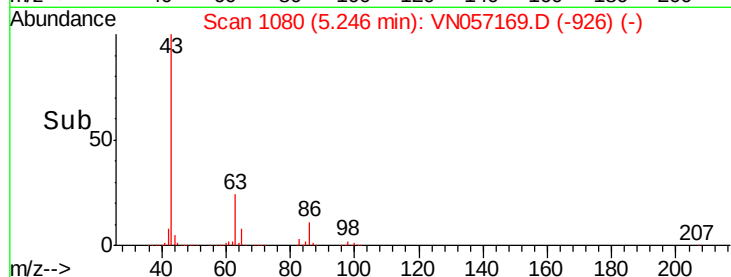
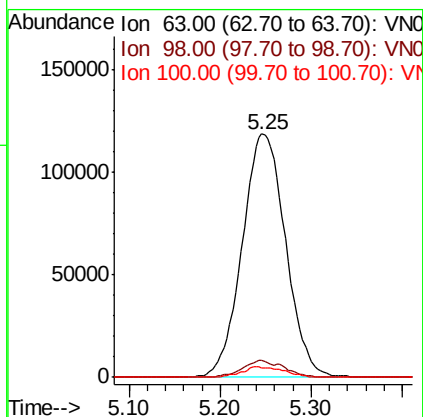
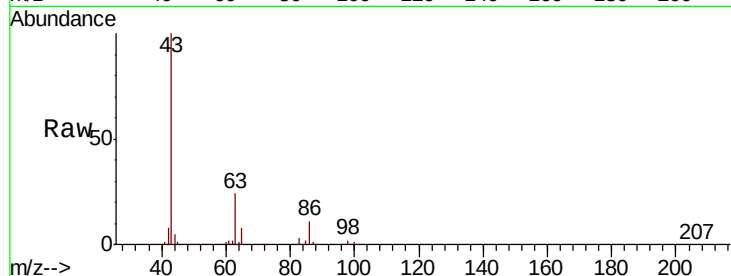




#21
 1,1-Dichloroethane
 Concen: 19.884 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

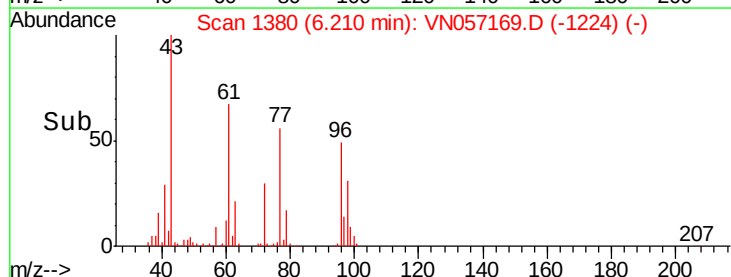
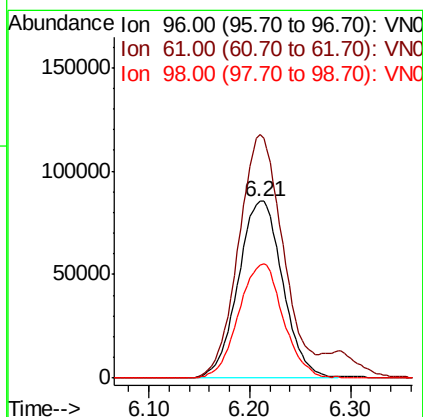
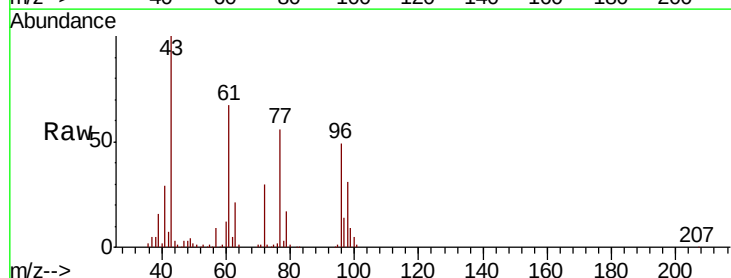
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

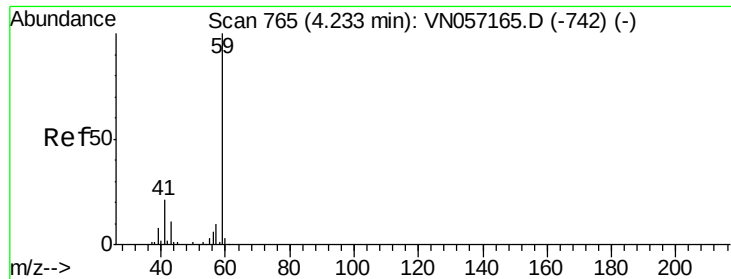
Tgt Ion: 63 Resp: 393211
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.4
 100 4.0 1.9 5.7



#22
 cis-1,2-Dichloroethene
 Concen: 20.298 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 96 Resp: 261566
 Ion Ratio Lower Upper
 96 100
 61 137.7 109.2 163.8
 98 64.4 51.7 77.5

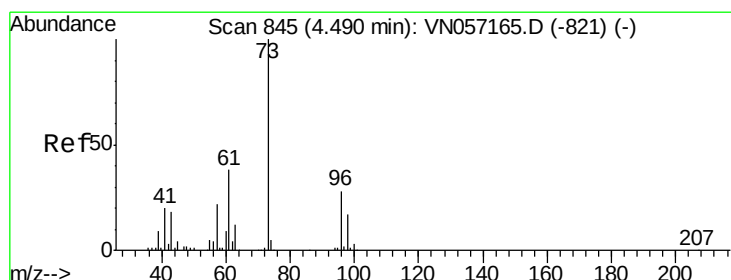
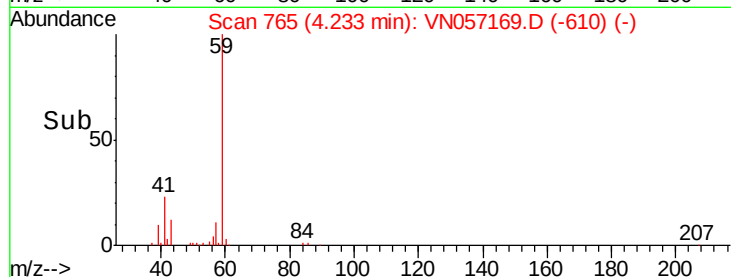
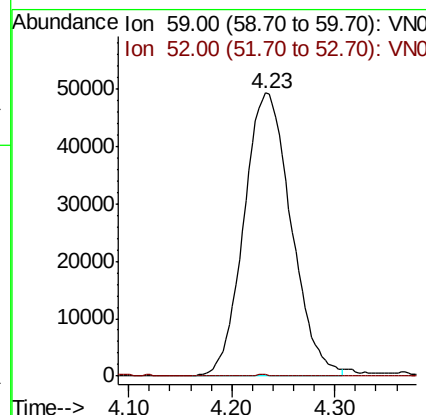
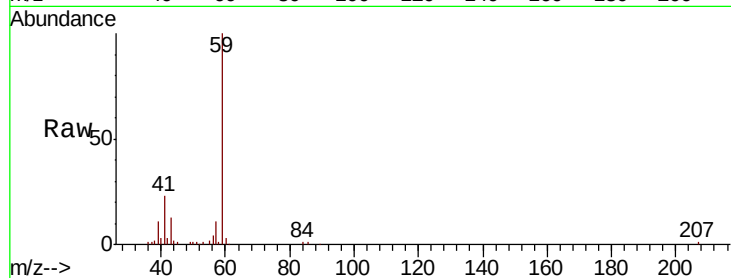




#23
 tert-Butyl Alcohol
 Concen: 103.868 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

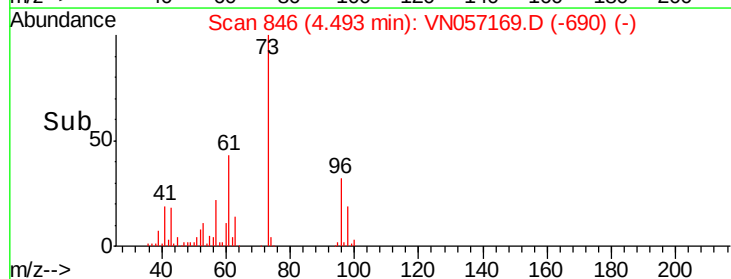
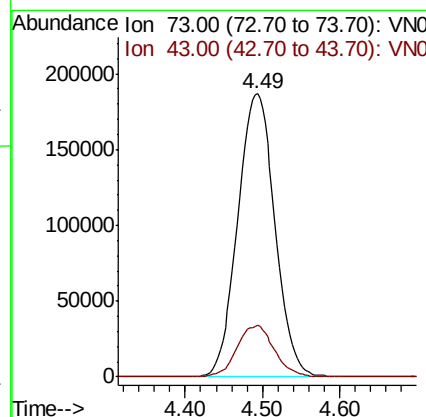
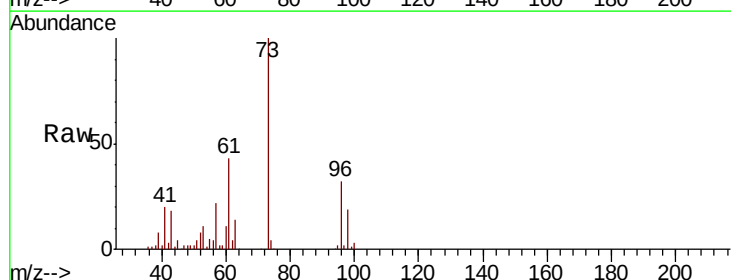
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

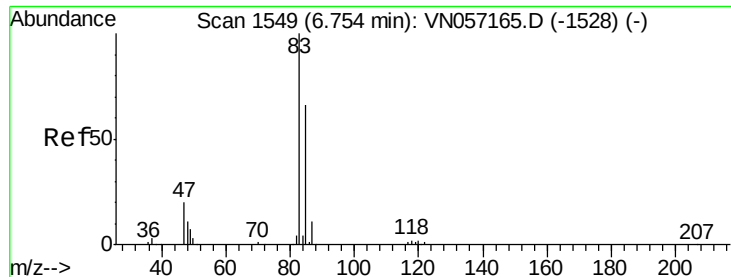
Tgt Ion: 59 Resp: 157312
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2#



#24
 Methyl tert-Butyl Ether
 Concen: 20.097 ug/l
 RT: 4.49 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 73 Resp: 624117
 Ion Ratio Lower Upper
 73 100
 43 18.1 14.3 21.5





#25

Chloroform

Concen: 19.683 ug/l

RT: 6.76 min Scan# 1551

Delta R.T. 0.01 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

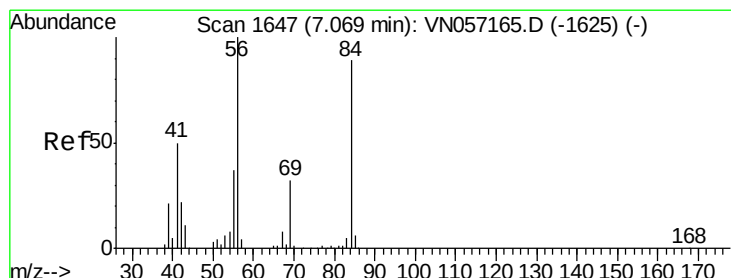
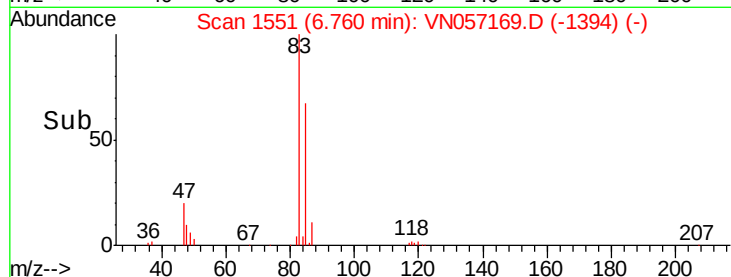
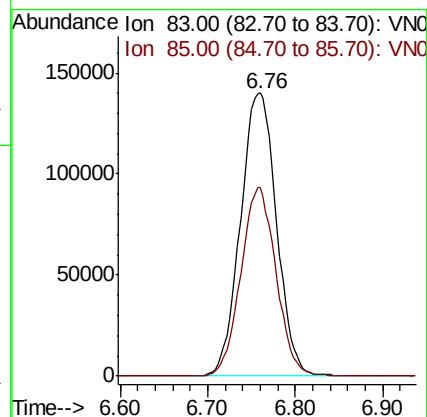
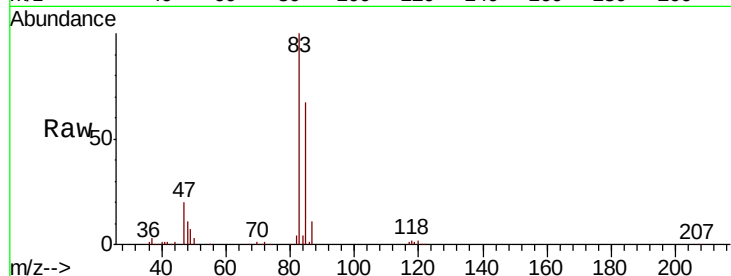
ICVFN081019

Tgt Ion: 83 Resp: 400234

Ion Ratio Lower Upper

83 100

85 66.6 52.5 78.7



#26

Cyclohexane

Concen: 19.875 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

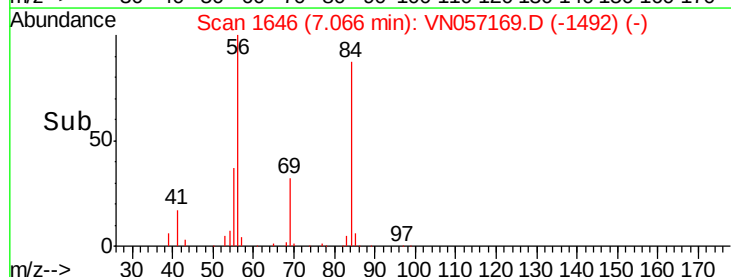
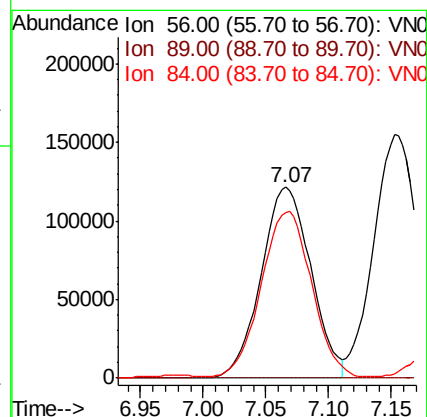
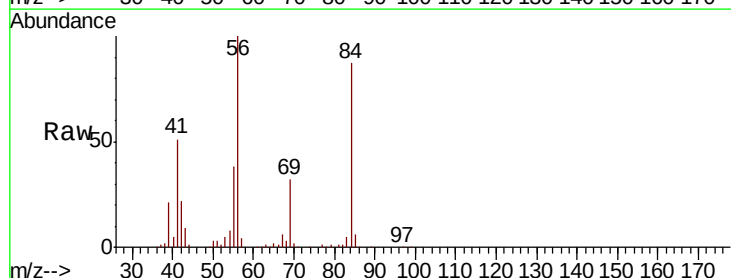
Tgt Ion: 56 Resp: 336001

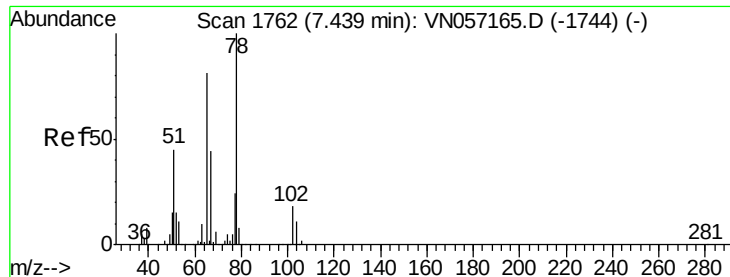
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 89.2 70.8 106.2

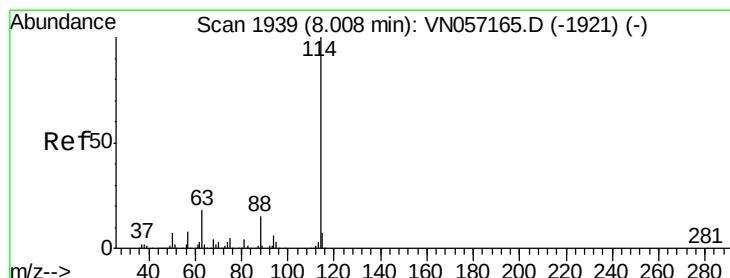
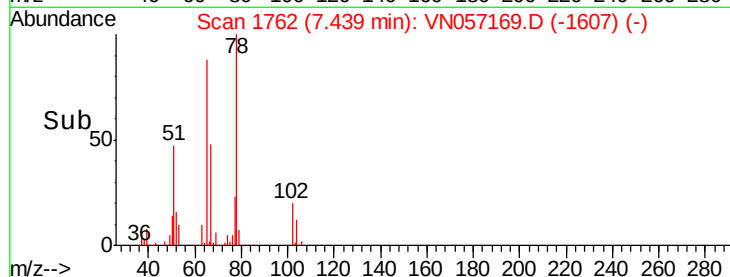
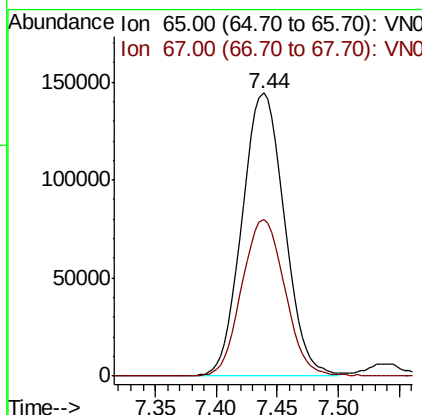
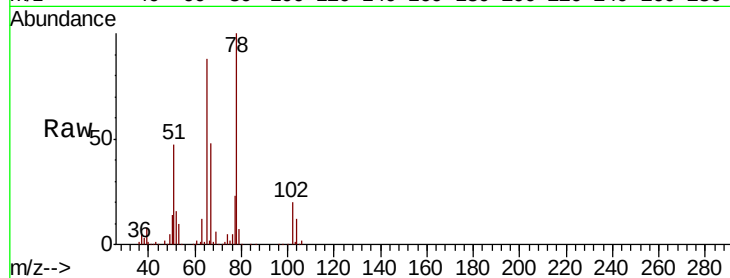




#27
 1,2-Dichloroethane-d4
 Concen: 29.041 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

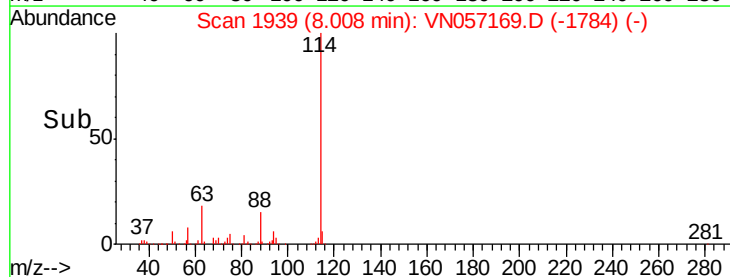
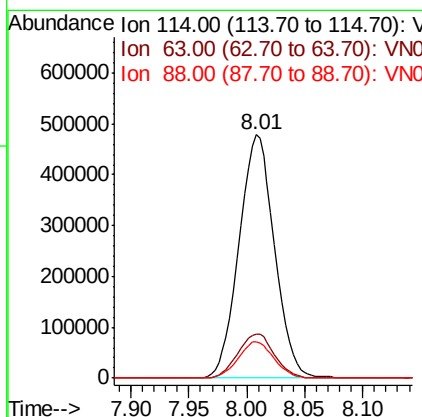
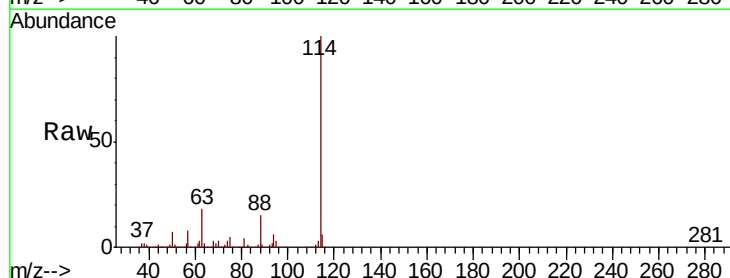
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

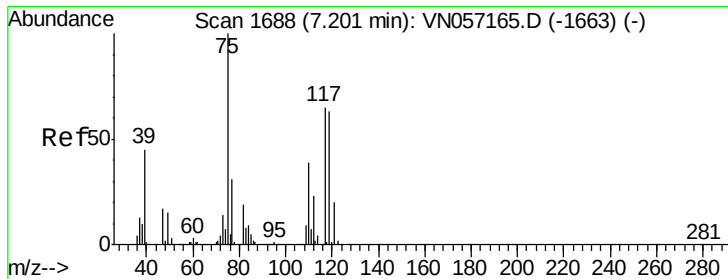
Tgt Ion: 65 Resp: 348761
 Ion Ratio Lower Upper
 65 100
 67 56.1 42.4 63.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 114 Resp: 1016932
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.6 21.8
 88 15.0 12.2 18.2





#29

1,1-Dichloropropene

Concen: 19.664 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

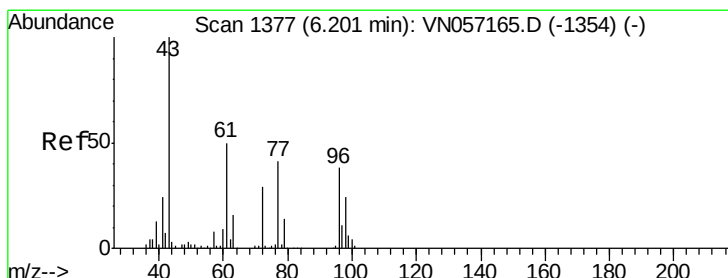
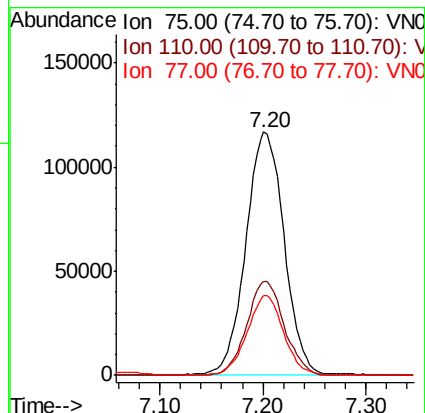
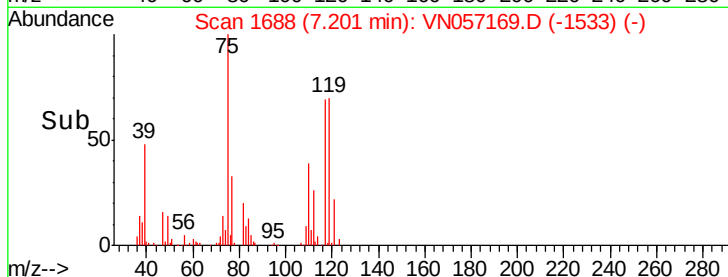
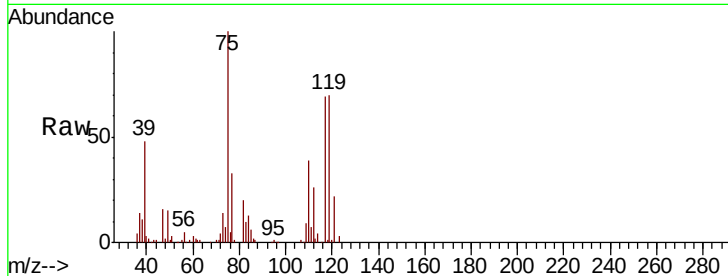
Tgt Ion: 75 Resp: 300728

Ion Ratio Lower Upper

75 100

110 37.9 0.0 75.6

77 31.0 0.0 62.4



#30

2-Butanone

Concen: 98.252 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

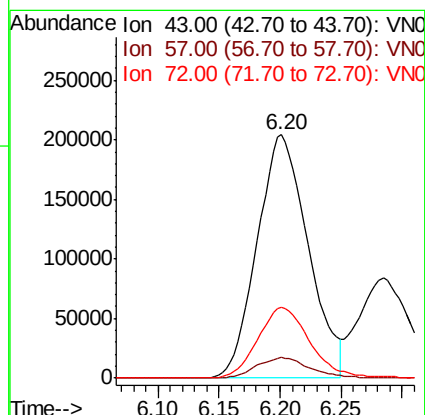
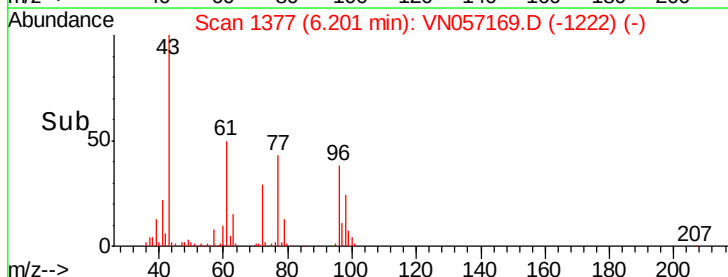
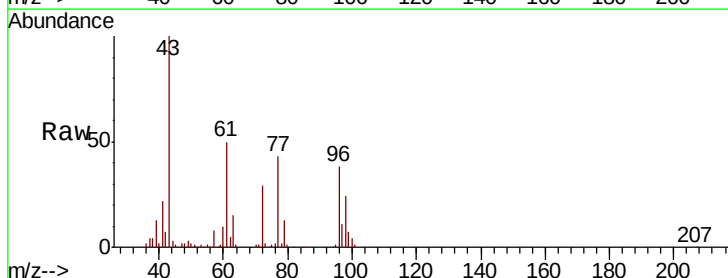
Tgt Ion: 43 Resp: 591559

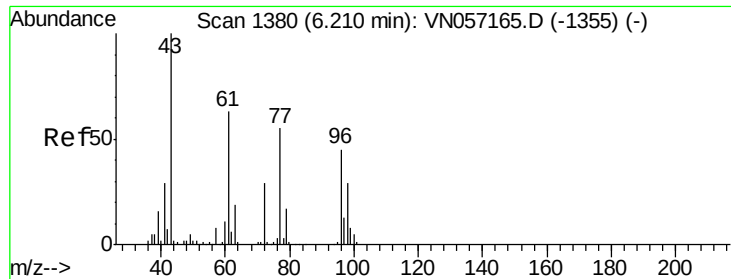
Ion Ratio Lower Upper

43 100

57 8.9 6.8 10.2

72 29.6 23.0 34.6

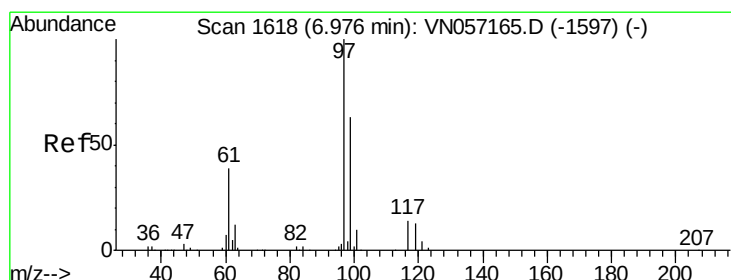
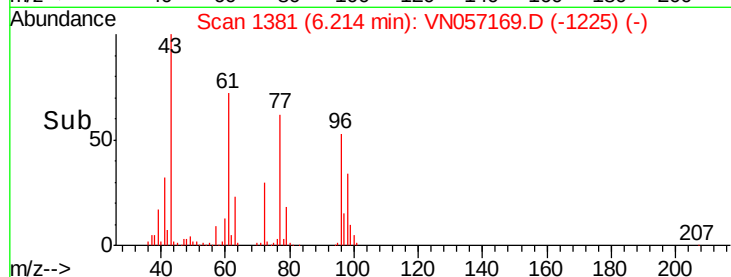
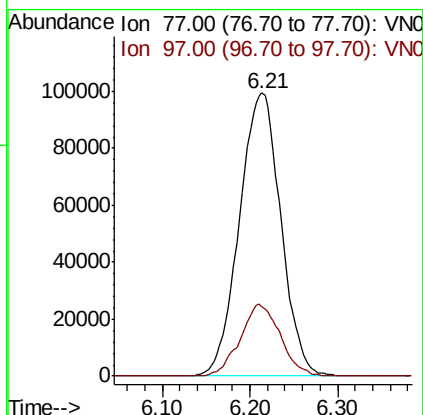
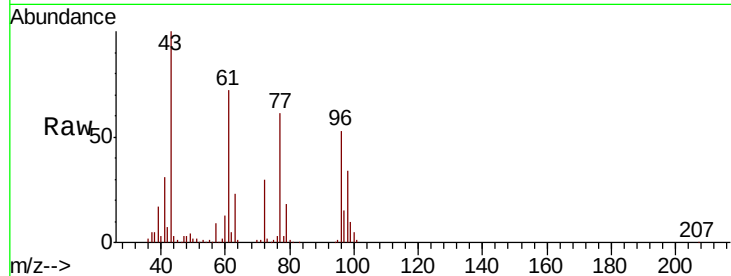




#31
 2,2-Dichloropropane
 Concen: 19.973 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

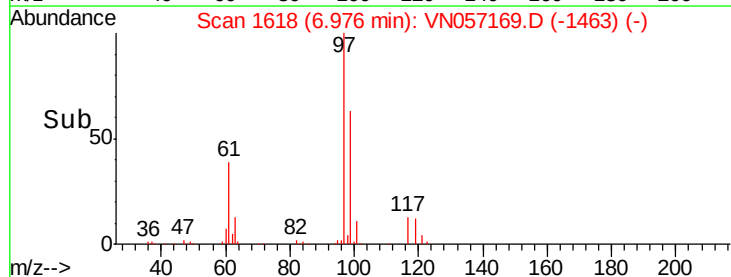
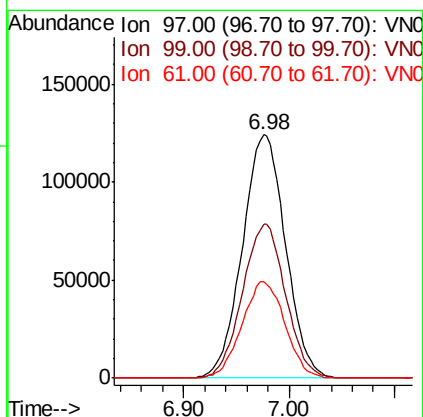
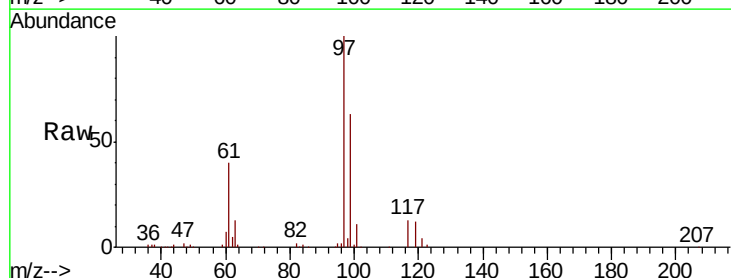
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081019

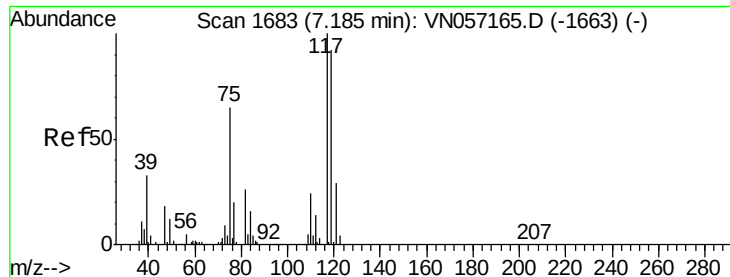
Tgt Ion: 77 Resp: 326564
 Ion Ratio Lower Upper
 77 100
 97 24.7 19.4 29.2



#32
 1,1,1-Trichloroethane
 Concen: 19.962 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 97 Resp: 353542
 Ion Ratio Lower Upper
 97 100
 99 63.2 52.4 78.6
 61 39.7 32.3 48.5

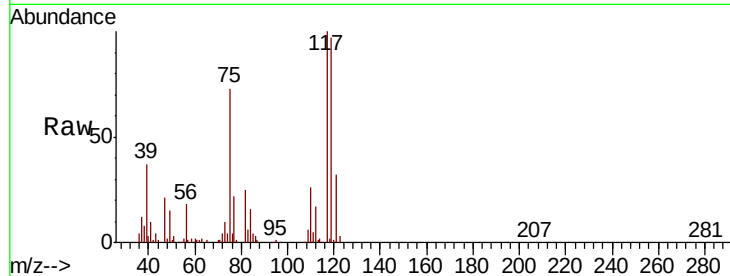




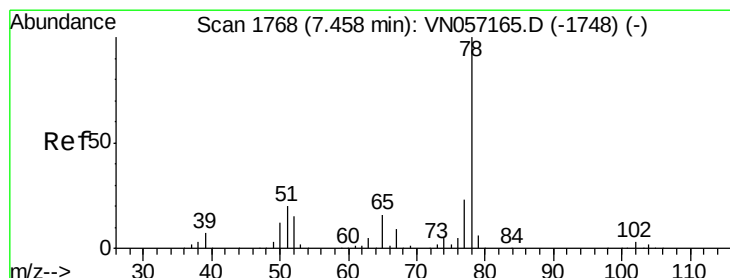
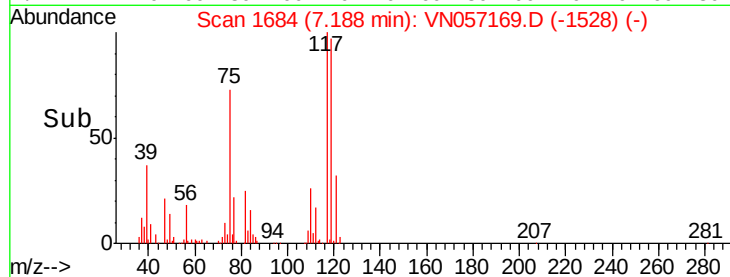
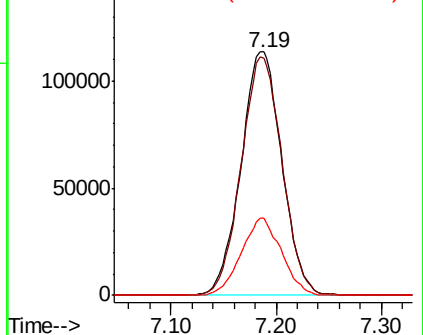
#33
Carbon Tetrachloride
Concen: 19.432 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081019

Tgt Ion:117 Resp: 306353
Ion Ratio Lower Upper
117 100
119 97.2 73.9 110.9
121 31.9 23.4 35.2

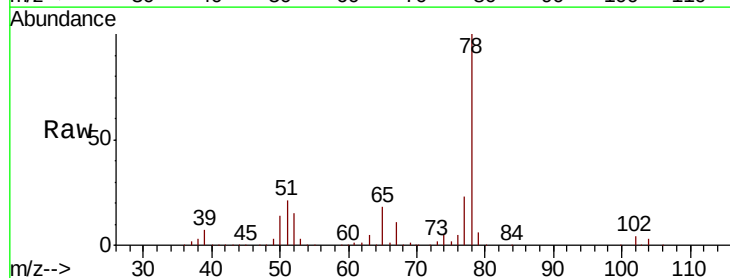


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

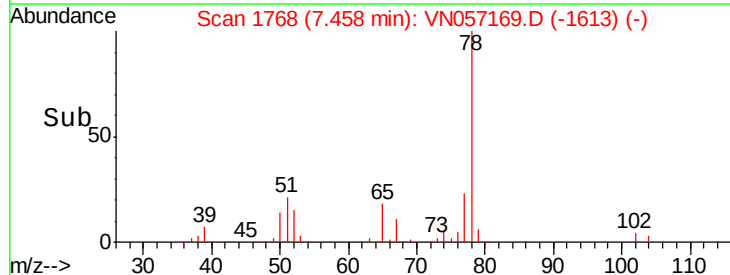
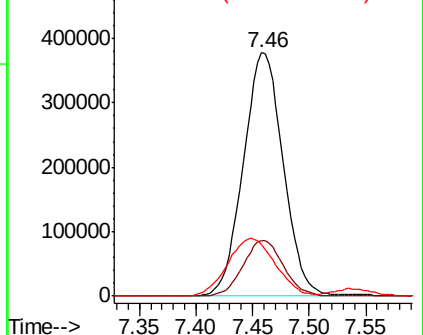


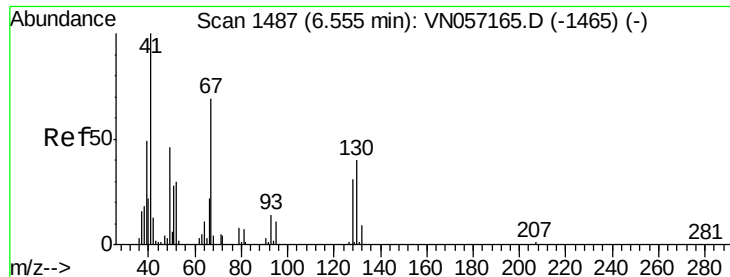
#34
Benzene
Concen: 19.820 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion: 78 Resp: 925241
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5
51 20.9 16.2 24.2



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

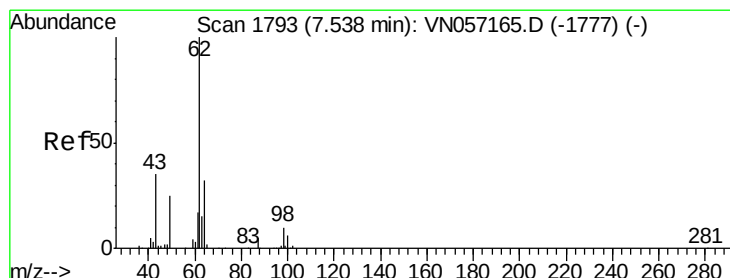
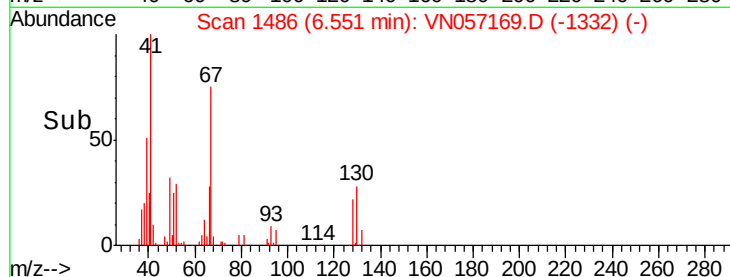
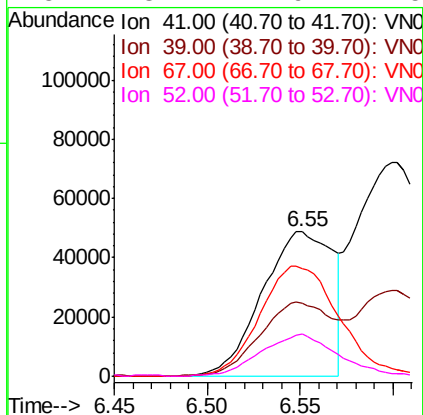
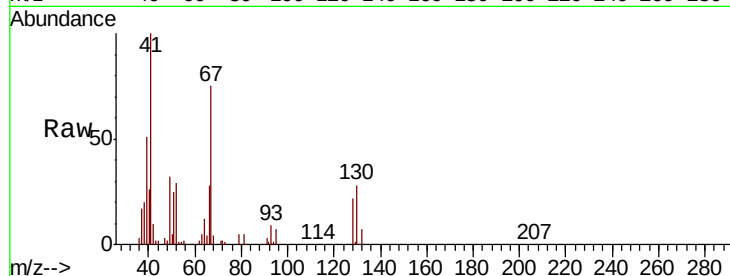




#35
Methacrylonitrile
Concen: 21.183 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

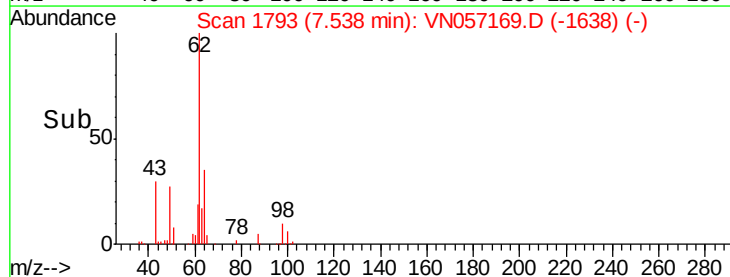
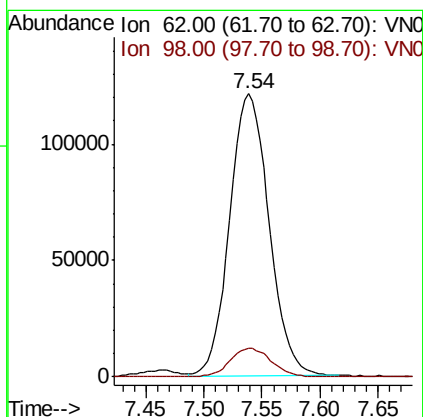
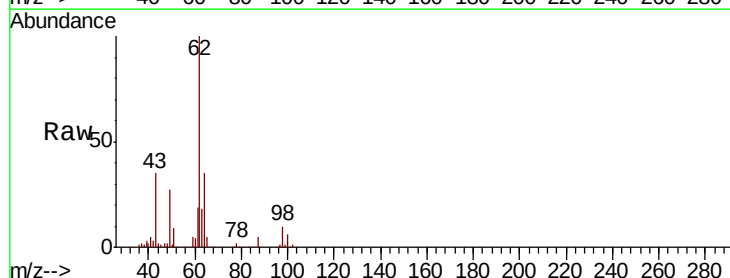
Instrument :
MSVOA_N
ClientSampled :
ICVVO81019

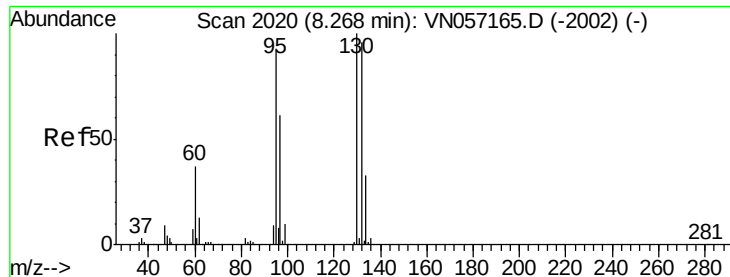
Tgt Ion:	41	Resp:	128903
Ion	Ratio	Lower	Upper
41	100		
39	50.1	24.6	74.0
67	74.6	34.4	103.2
52	28.4	14.9	44.5



#36
1,2-Dichloroethane
Concen: 19.208 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion:	62	Resp:	286454
Ion	Ratio	Lower	Upper
62	100		
98	10.7	8.2	12.4

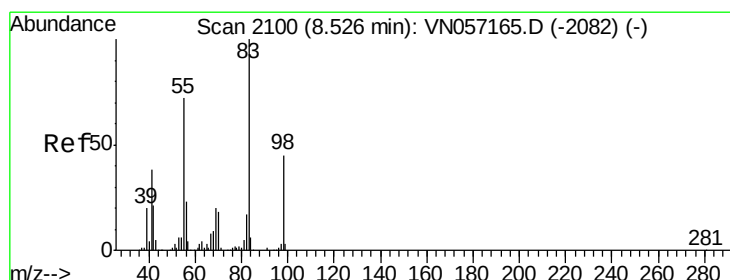
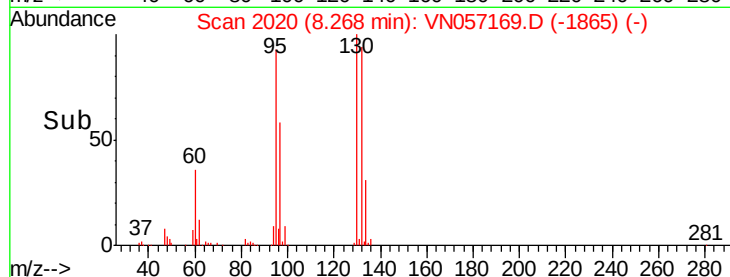
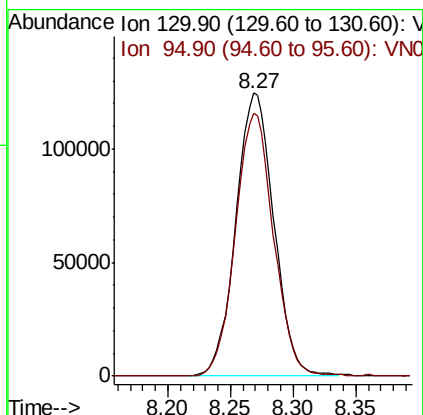
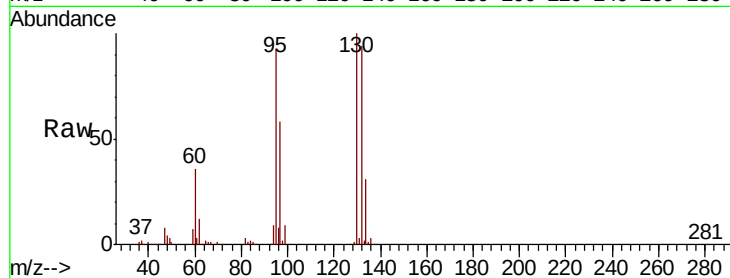




#37
 Trichloroethene
 Concen: 19.795 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

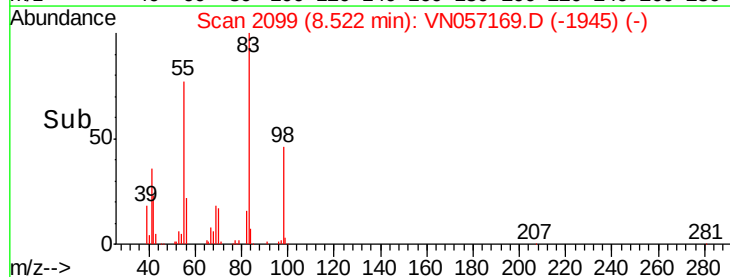
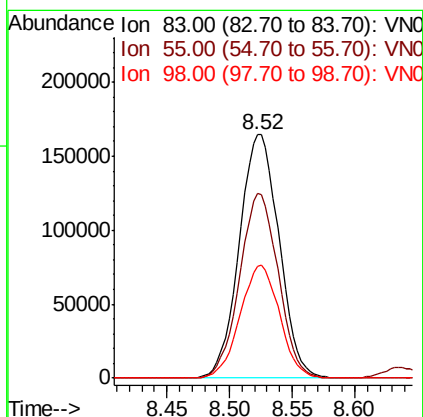
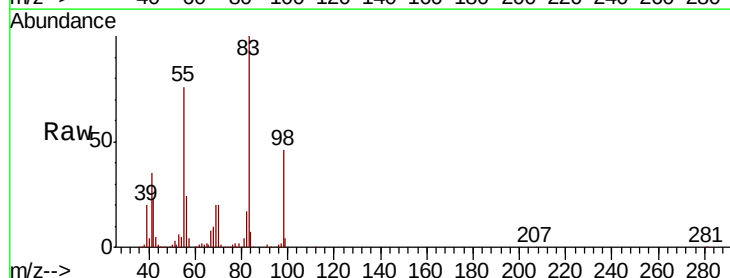
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

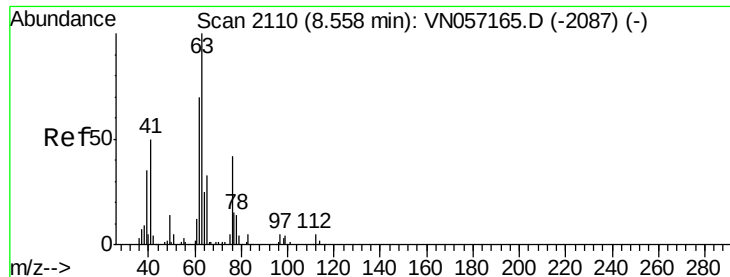
Tgt Ion:130 Resp: 262594
 Ion Ratio Lower Upper
 130 100
 95 92.9 74.6 112.0



#38
 Methylcyclohexane
 Concen: 19.924 ug/l
 RT: 8.52 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 83 Resp: 363598
 Ion Ratio Lower Upper
 83 100
 55 73.6 36.5 109.7
 98 45.9 23.4 70.0





#39

1,2-Dichloropropane

Concen: 20.034 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

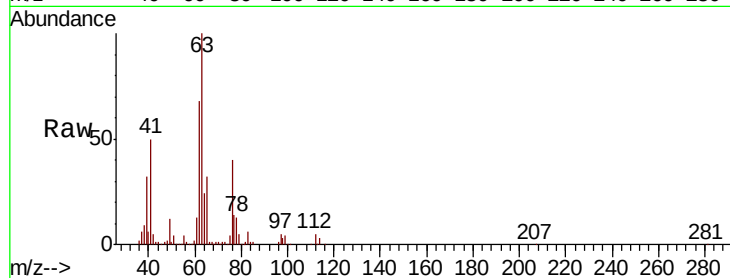
ICVFN081019

Tgt Ion: 63 Resp: 241070

Ion Ratio Lower Upper

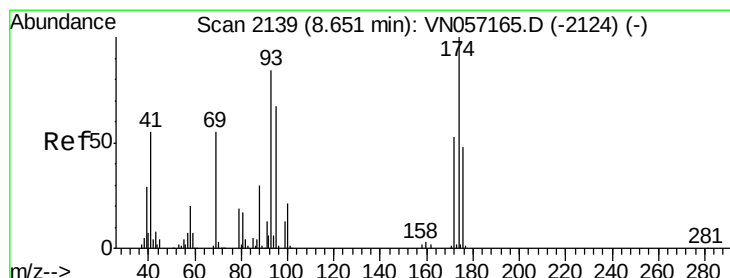
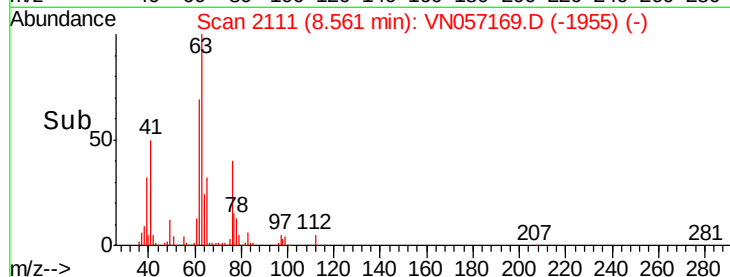
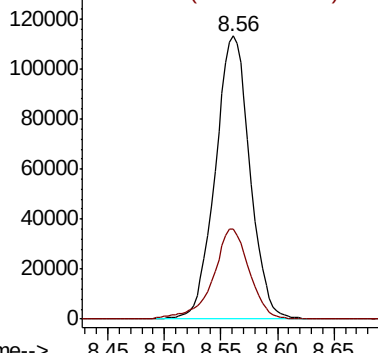
63 100

65 31.6 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.884 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

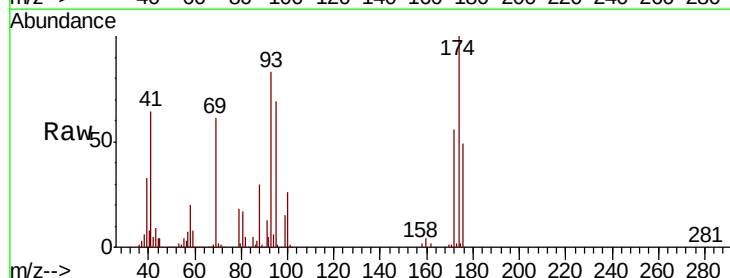
Tgt Ion: 93 Resp: 154034

Ion Ratio Lower Upper

93 100

95 85.0 0.0 165.0

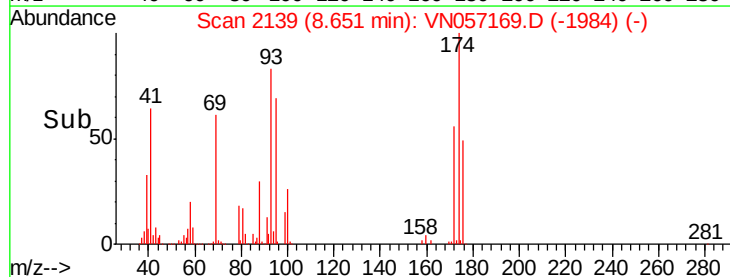
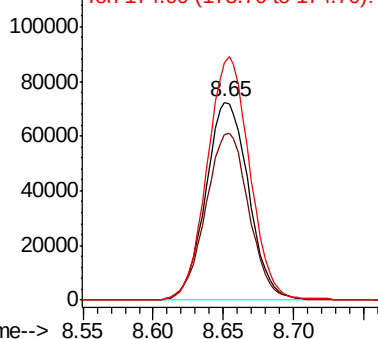
174 121.8 0.0 245.4

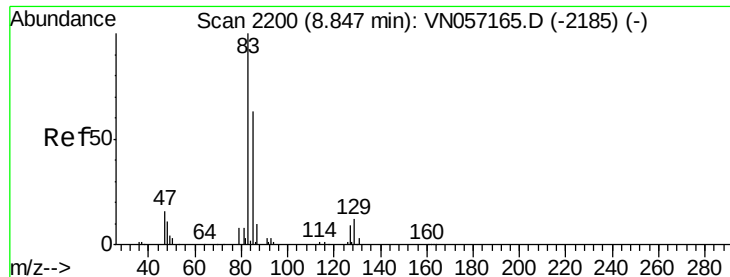


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.691 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

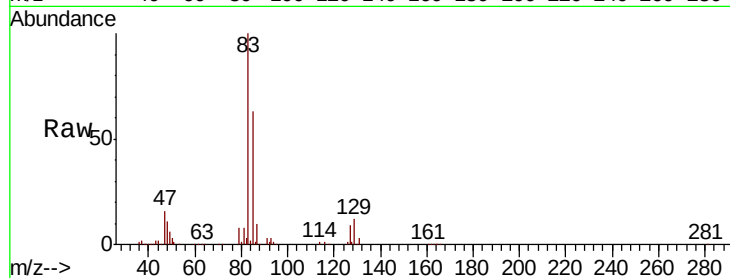
Tgt Ion: 83 Resp: 303297

Ion Ratio Lower Upper

83 100

85 63.4 50.6 76.0

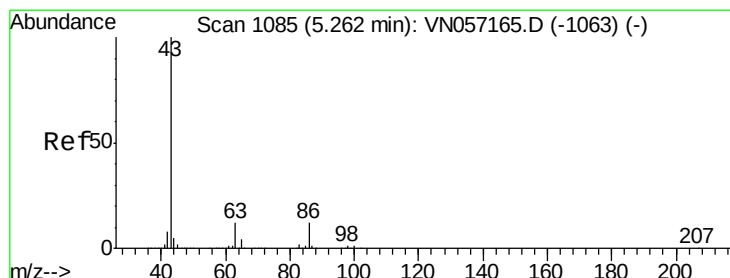
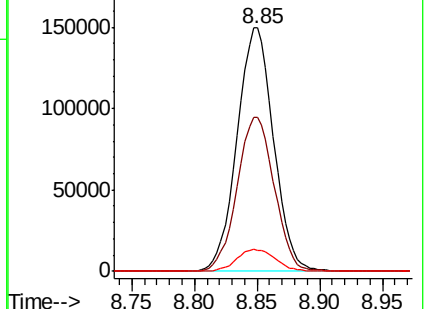
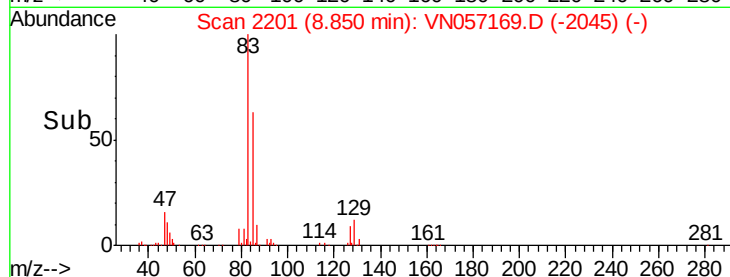
127 8.8 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN057169.D (-2045) (-)

Ion 85.00 (84.70 to 85.70): VN057169.D (-2045) (-)

Ion 127.00 (126.70 to 127.70): VN057169.D (-2045) (-)



#42

Vinyl Acetate

Concen: 101.766 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057169.D

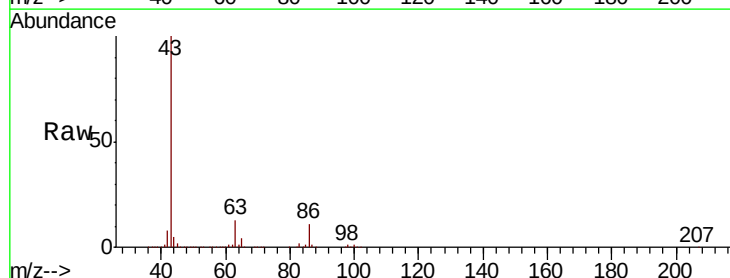
Acq: 10 Aug 2019 11:50

Tgt Ion: 43 Resp: 2547206

Ion Ratio Lower Upper

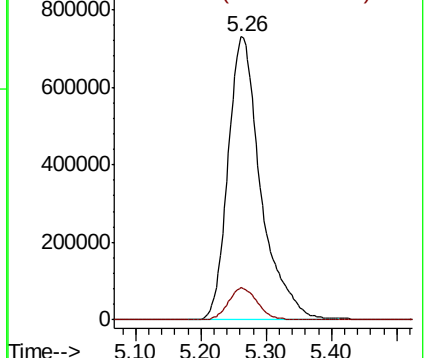
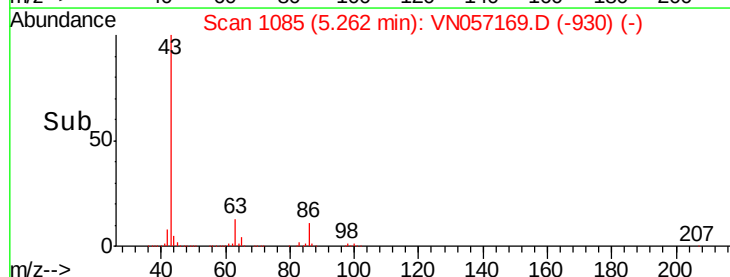
43 100

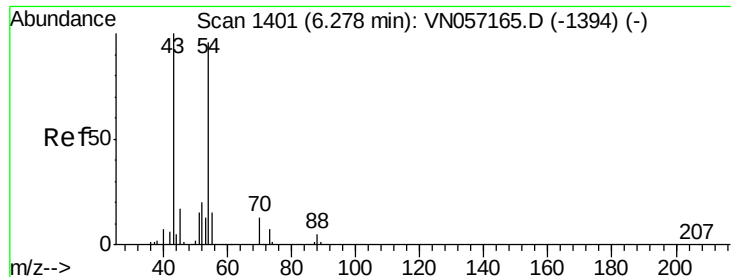
86 9.9 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN057169.D (-930) (-)

Ion 86.00 (85.70 to 86.70): VN057169.D (-930) (-)





#43

Ethyl Acetate

Concen: 19.980 ug/l

RT: 6.28 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

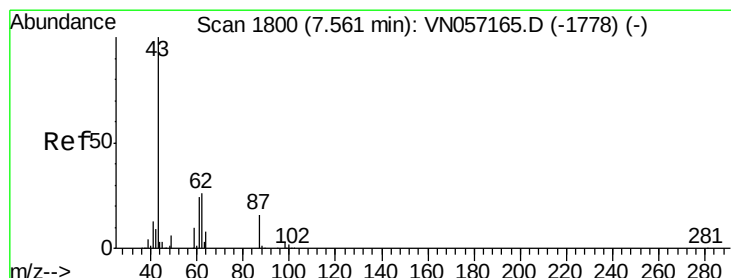
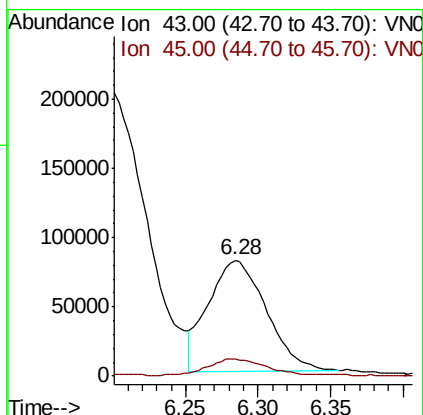
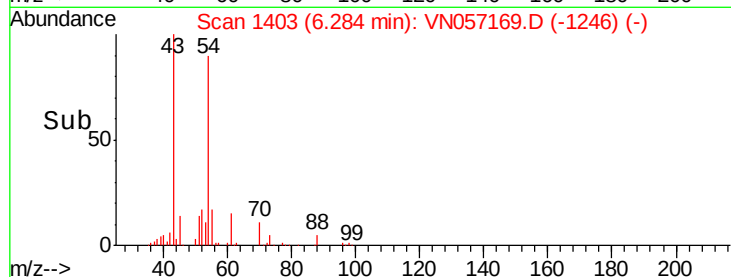
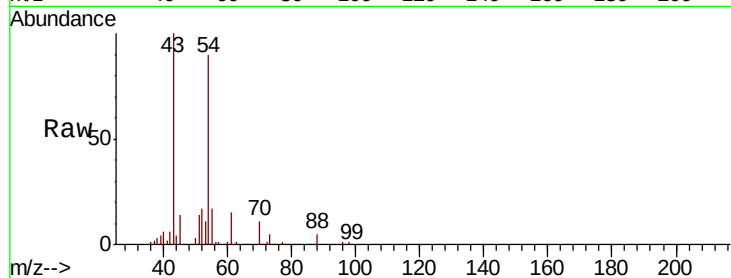
ICVVN081019

Tgt Ion: 43 Resp: 221864

Ion Ratio Lower Upper

43 100

45 14.6 10.1 15.1



#44

Isopropyl Acetate

Concen: 20.166 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057169.D

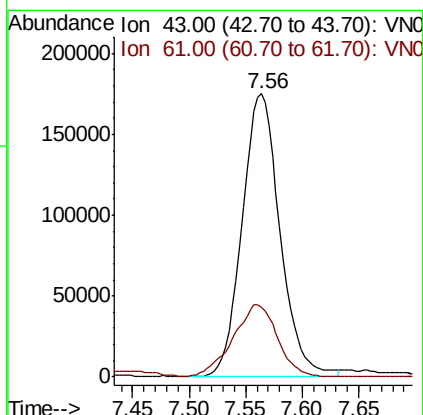
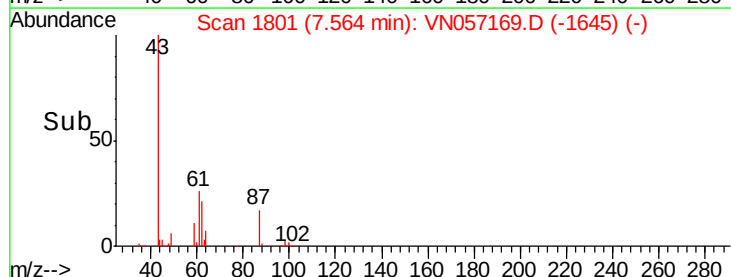
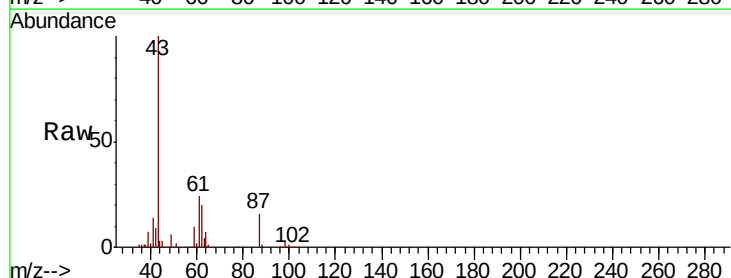
Acq: 10 Aug 2019 11:50

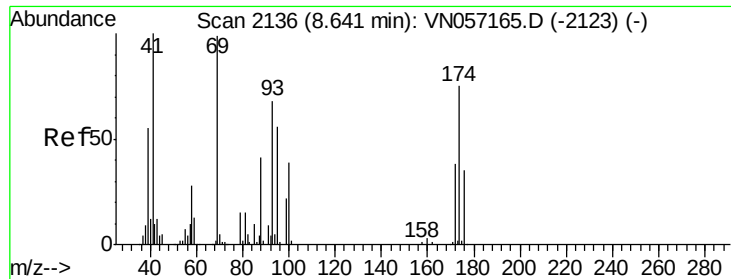
Tgt Ion: 43 Resp: 406574

Ion Ratio Lower Upper

43 100

61 29.8 22.2 33.4

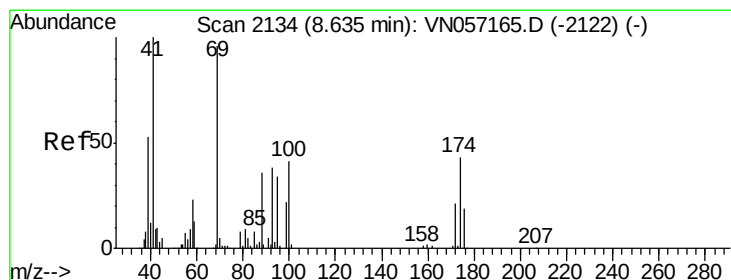
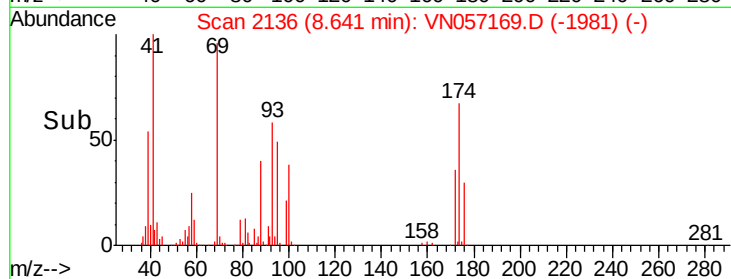
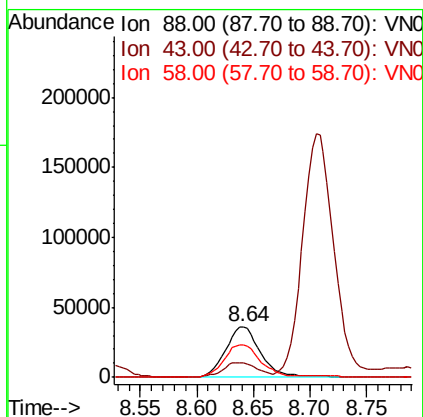
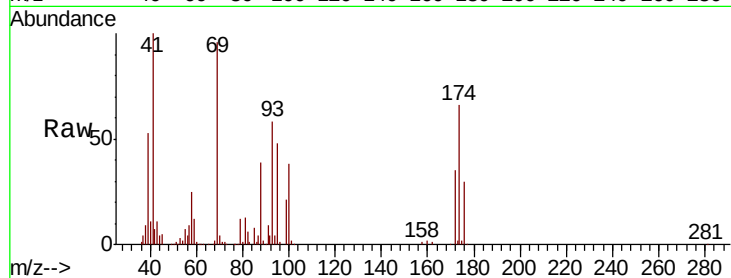




#45
1,4-Dioxane
Concen: 412.049 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

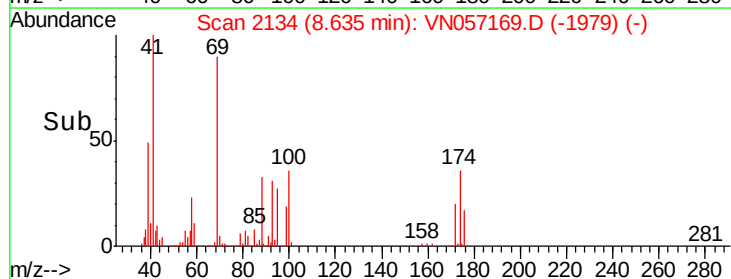
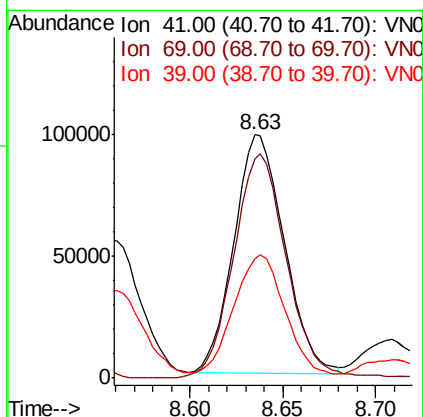
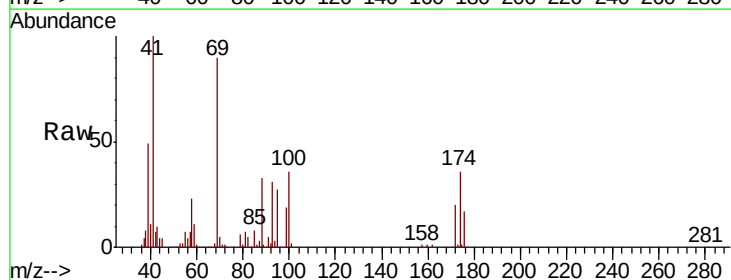
Instrument :
MSVOA_N
ClientSampleId :
ICVVN081019

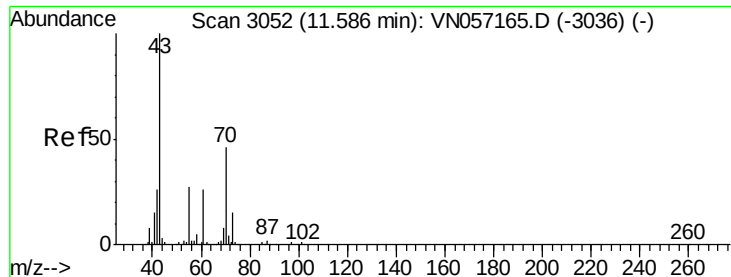
Tgt Ion: 88 Resp: 77526
Ion Ratio Lower Upper
88 100
43 28.1 20.5 30.7
58 67.1 53.8 80.8



#46
Methyl methacrylate
Concen: 20.137 ug/l
RT: 8.63 min Scan# 2134
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion: 41 Resp: 185111
Ion Ratio Lower Upper
41 100
69 91.2 48.1 144.4
39 48.3 26.5 79.5





#47

n-amyl Acetate

Concen: 19.682 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

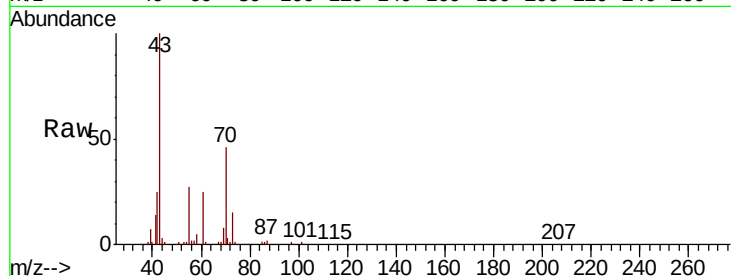
ICVVN081019

Tgt Ion: 43 Resp: 291943

Ion Ratio Lower Upper

43 100

55 26.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

11.59

200000

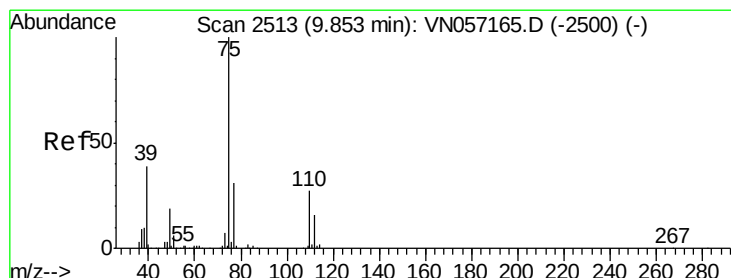
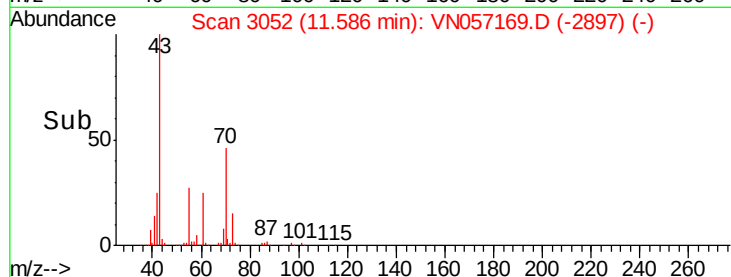
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.782 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057169.D

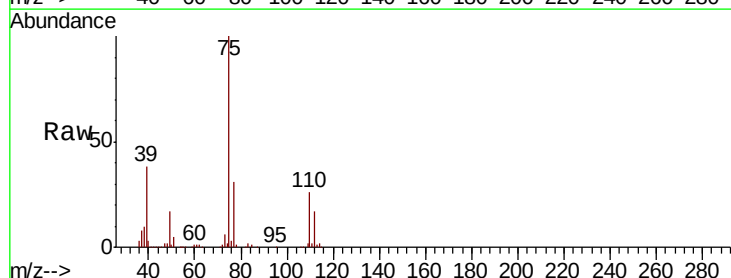
Acq: 10 Aug 2019 11:50

Tgt Ion: 75 Resp: 324906

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

9.86

200000

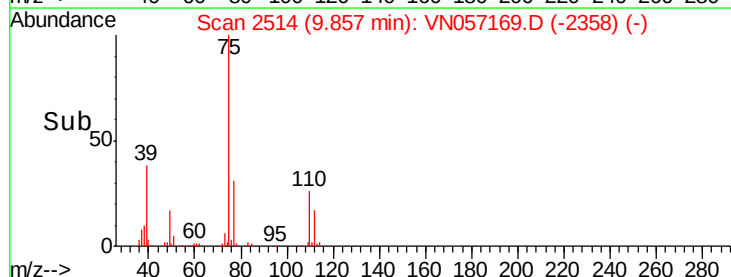
150000

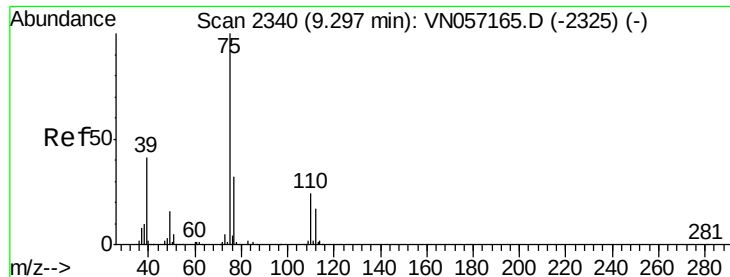
100000

50000

0

Time-->



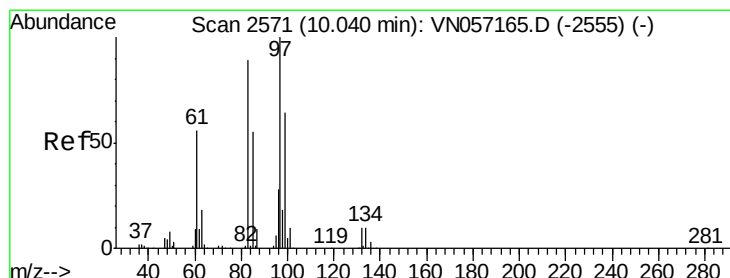
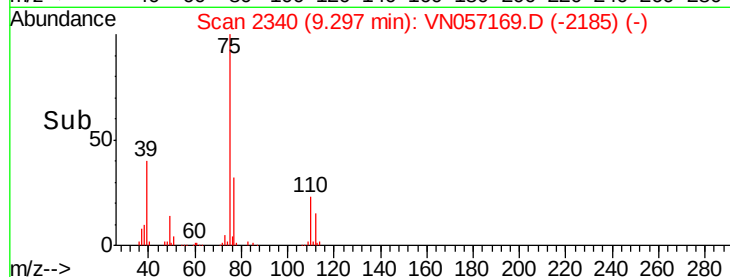
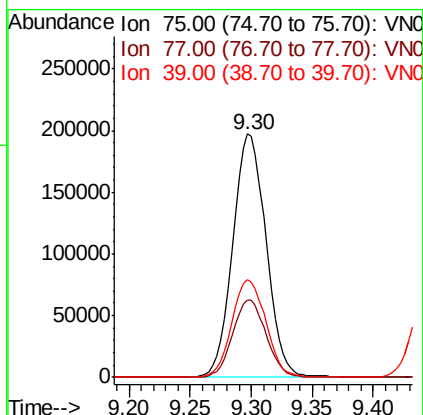
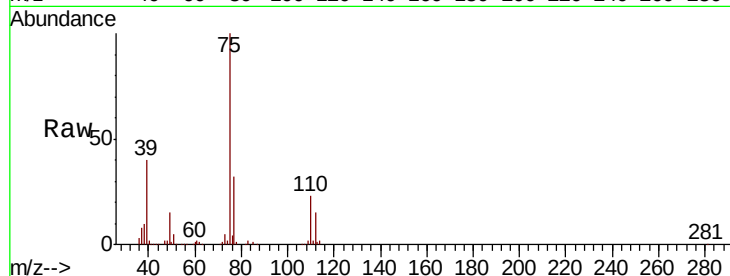


#49

cis-1,3-Dichloropropene
Concen: 20.047 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081019

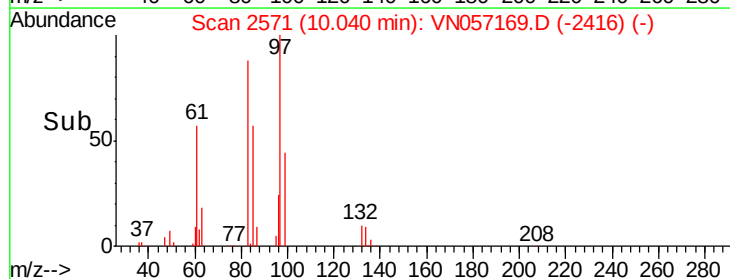
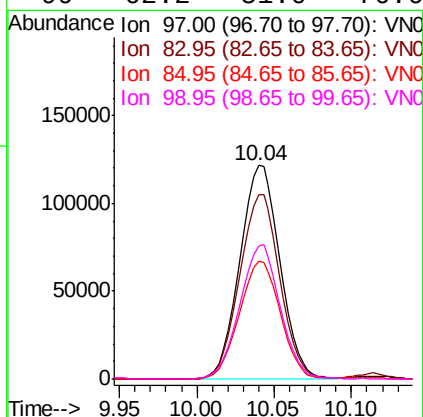
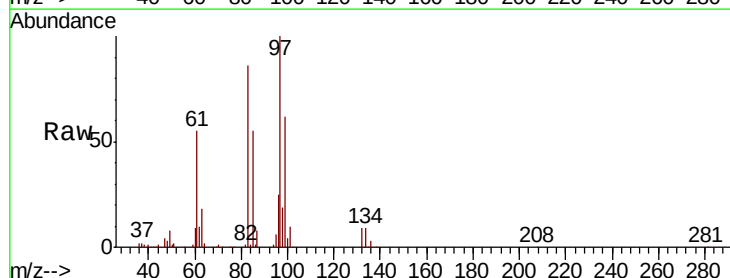
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	40.0	33.0	49.6

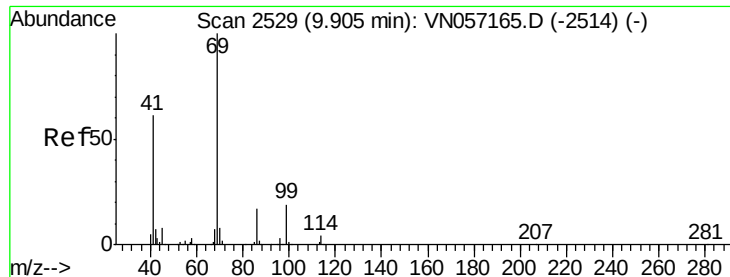


#50

1,1,2-Trichloroethane
Concen: 19.868 ug/l
RT: 10.04 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.4	107.0
85	55.3	43.8	65.8
99	62.2	51.0	76.6

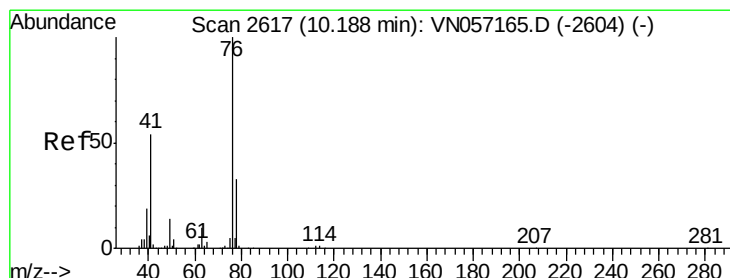
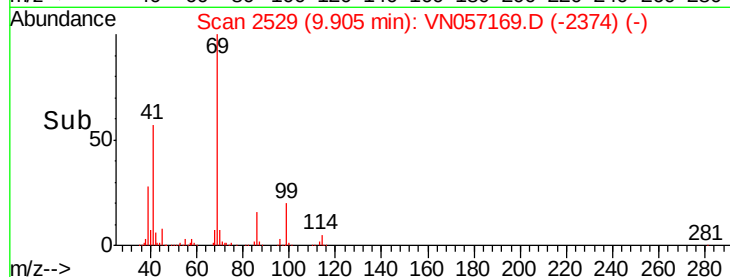
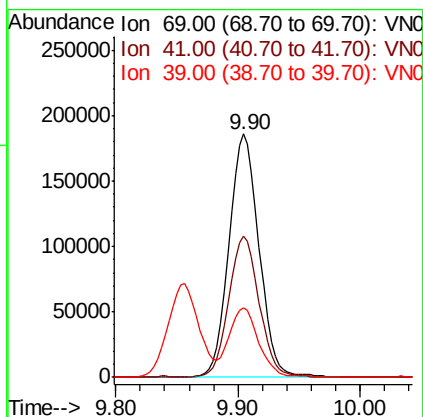
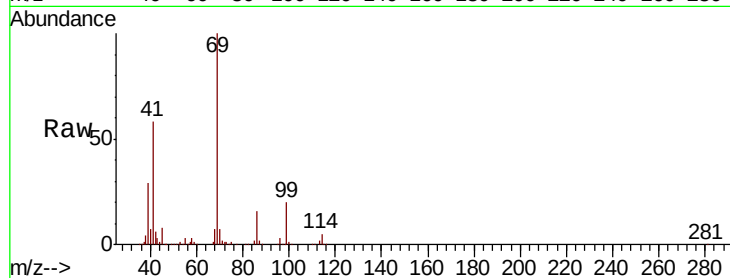




#51
 Ethyl methacrylate
 Concen: 20.467 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

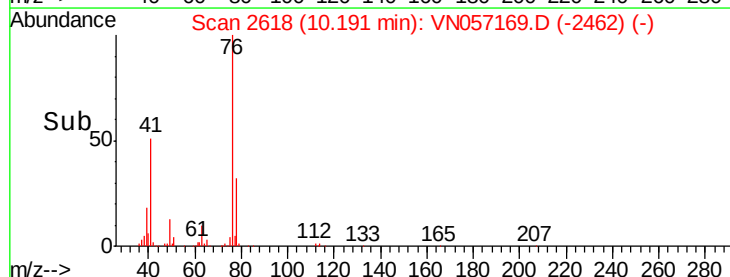
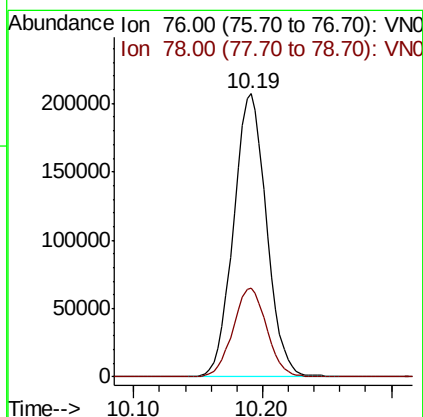
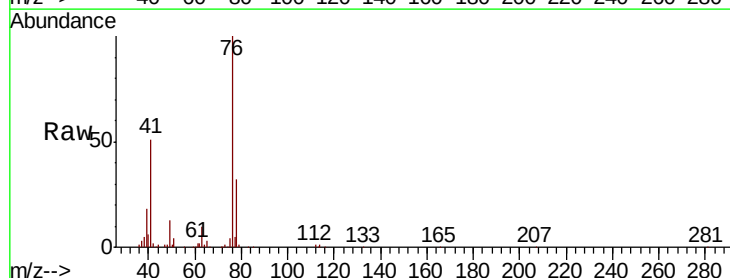
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

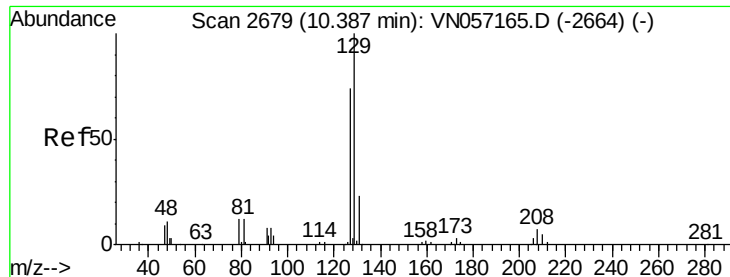
Tgt Ion:	69	Resp:	319781
Ion	Ratio	Lower	Upper
69	100		
41	57.7	30.4	91.2
39	28.4	14.8	44.4



#52
 1,3-Dichloropropane
 Concen: 19.886 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion:	76	Resp:	366990
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.0





#53

Dibromochloromethane

Concen: 19.679 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

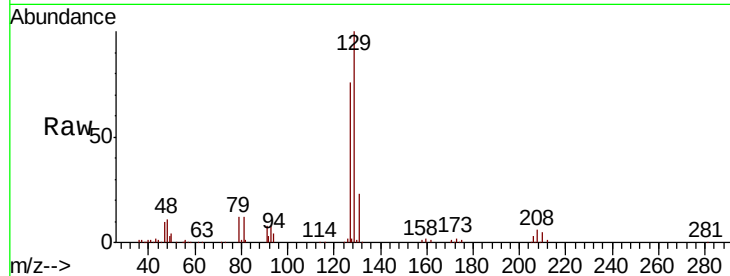
ICVFN081019

Tgt Ion:129 Resp: 245503

Ion Ratio Lower Upper

129 100

127 76.7 38.2 114.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.39

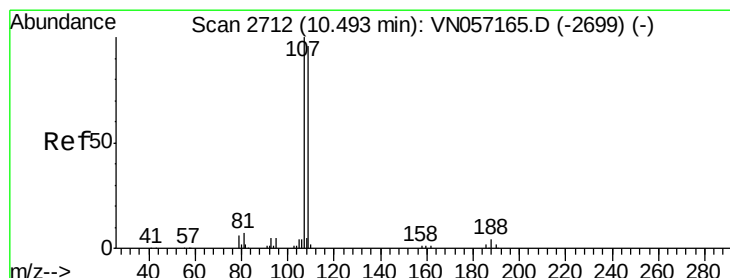
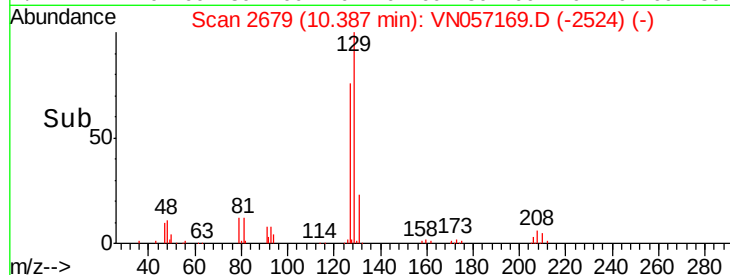
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#54

1,2-Dibromoethane

Concen: 19.945 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. 0.00 min

Lab File: VN057169.D

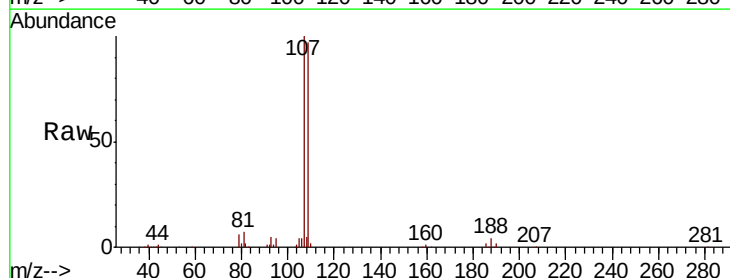
Acq: 10 Aug 2019 11:50

Tgt Ion:107 Resp: 230508

Ion Ratio Lower Upper

107 100

109 95.2 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.50

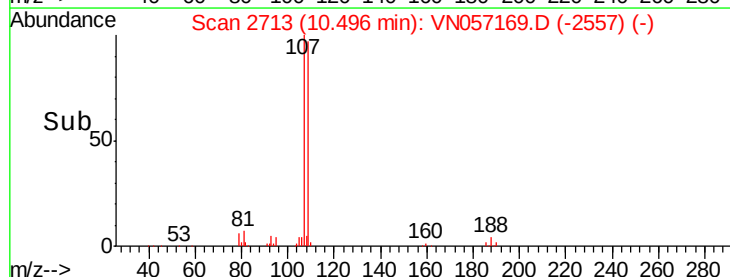
150000

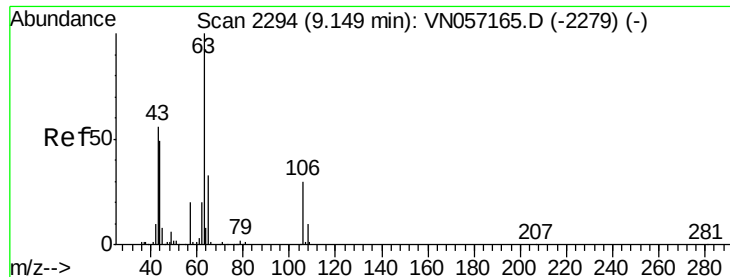
100000

50000

0

Time--> 10.40 10.50 10.60

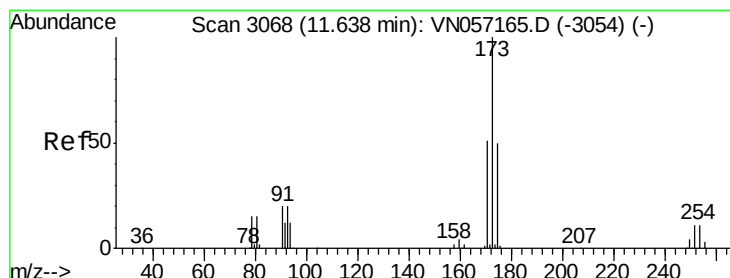
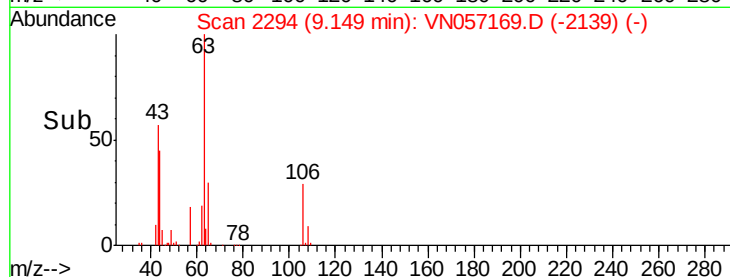
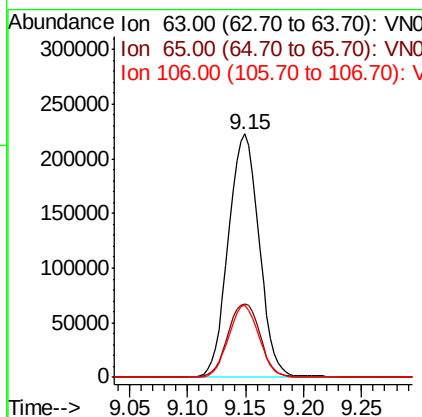
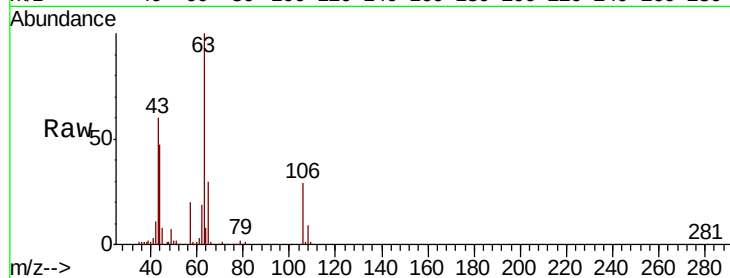




#55
 2-Chloroethyl vinyl ether
 Concen: 92.968 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

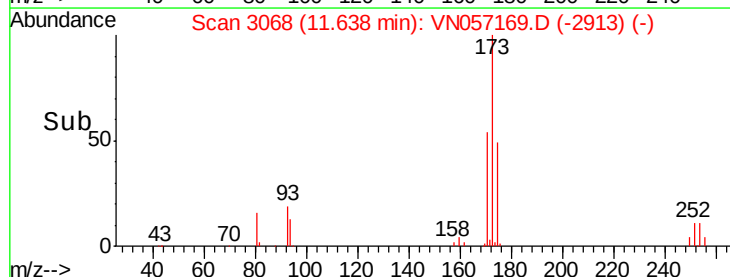
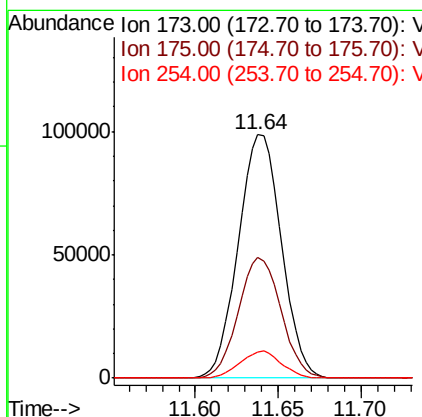
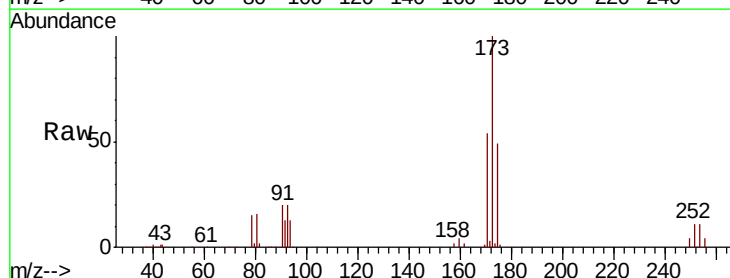
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

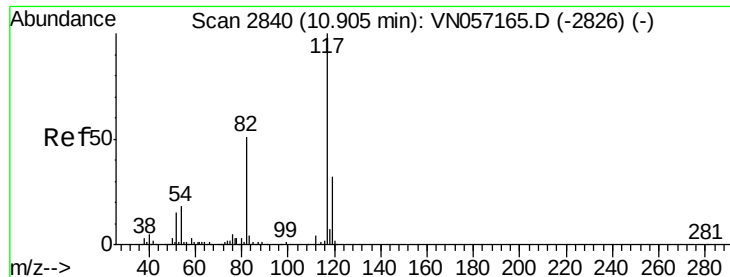
Tgt Ion: 63 Resp: 410135
 Ion Ratio Lower Upper
 63 100
 65 31.6 26.0 39.0
 106 29.1 23.3 34.9



#56
 Bromoform
 Concen: 19.363 ug/l
 RT: 11.64 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 173 Resp: 178510
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.4
 254 10.6 8.6 13.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

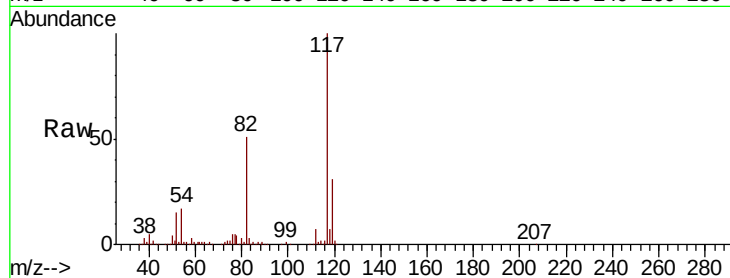
Tgt Ion: 117 Resp: 879425

Ion Ratio Lower Upper

117 100

82 51.8 41.5 62.3

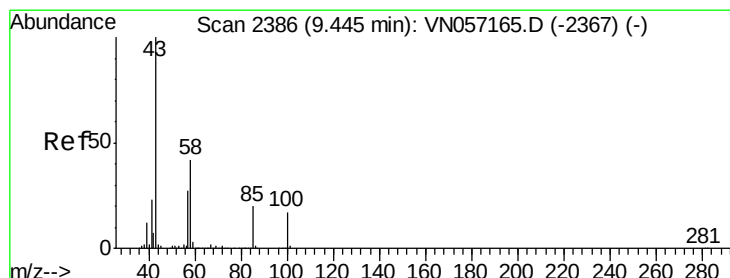
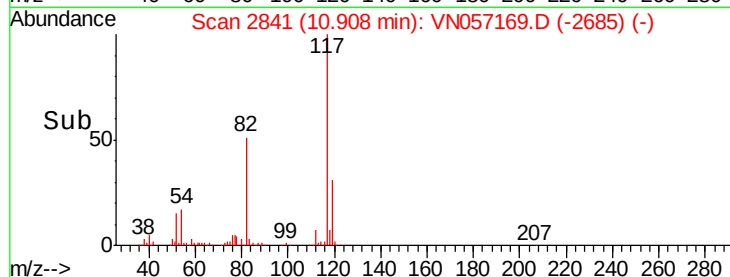
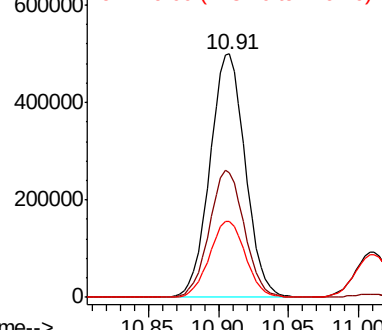
119 31.9 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 103.694 ug/l

RT: 9.44 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

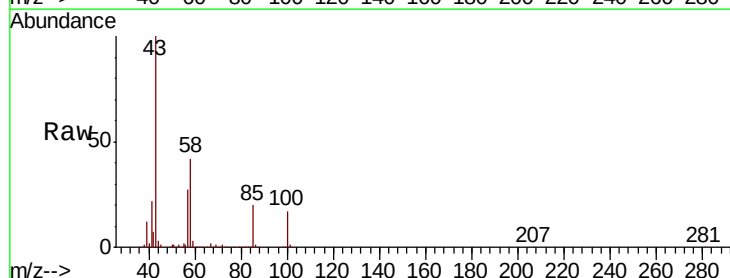
Tgt Ion: 43 Resp: 1171485

Ion Ratio Lower Upper

43 100

58 42.7 32.8 49.2

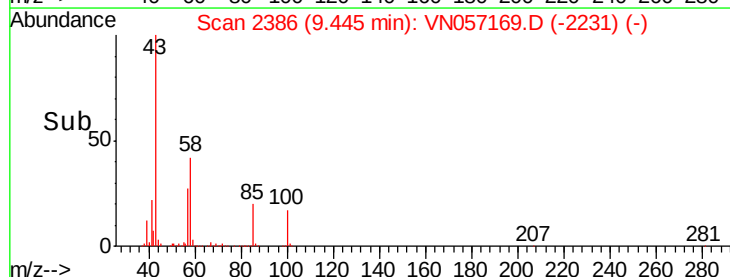
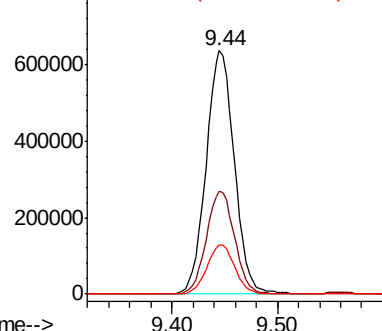
85 20.2 16.4 24.6

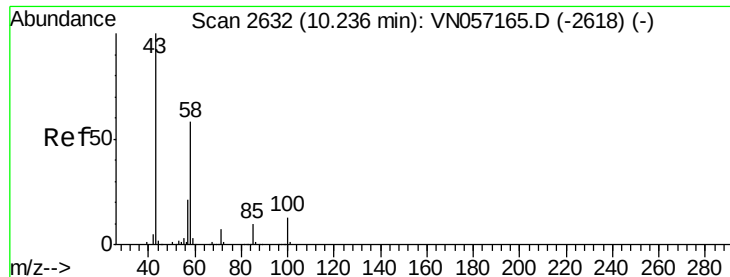


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

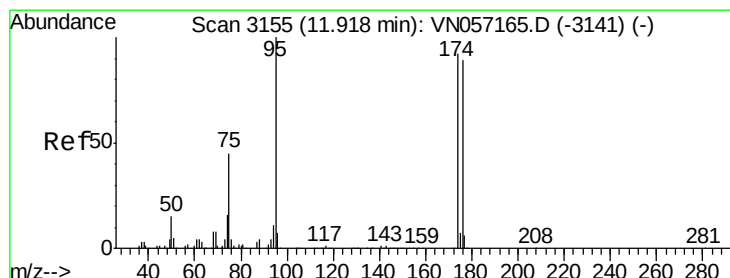
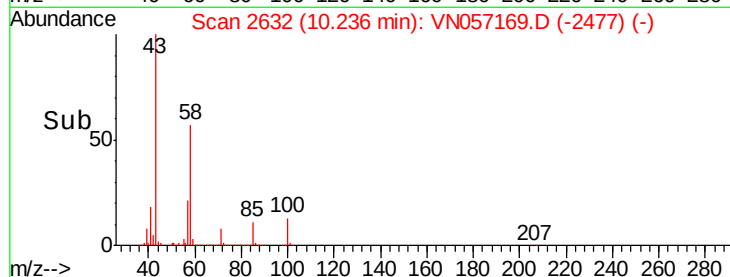
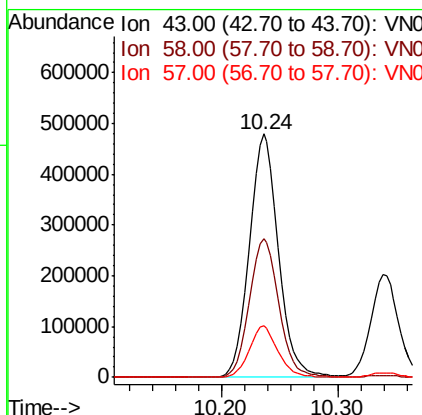
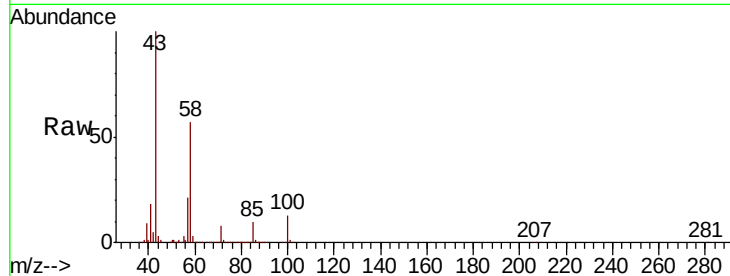




#59
2-Hexanone
Concen: 103.161 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

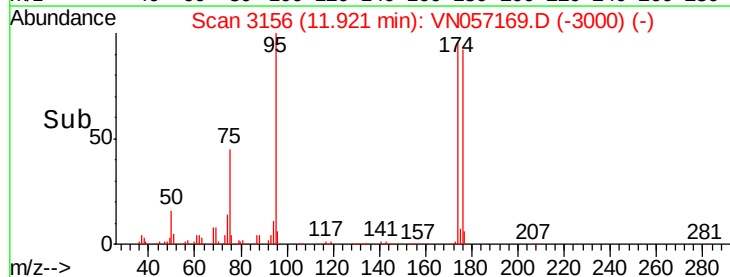
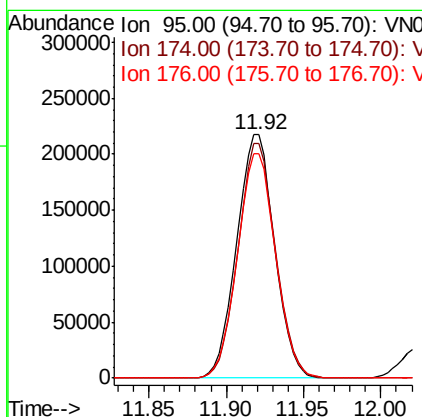
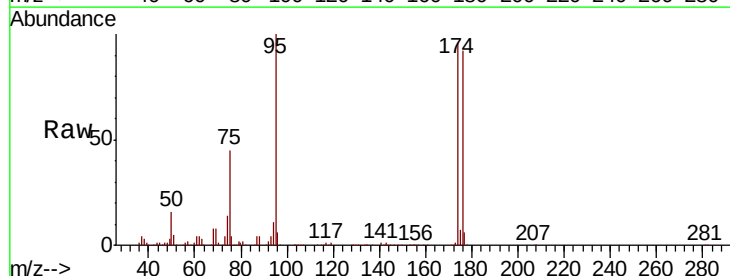
Instrument :
MSVOA_N
ClientSampleId :
ICVVN081019

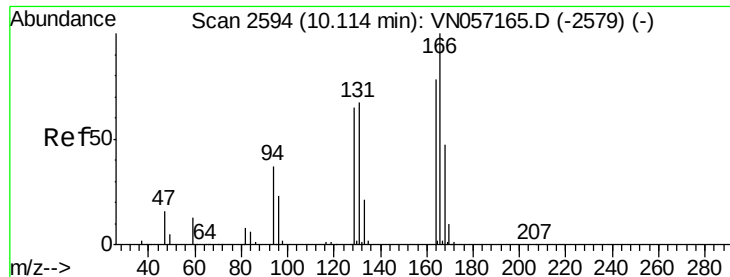
Tgt Ion: 43 Resp: 837902
Ion Ratio Lower Upper
43 100
58 58.1 45.4 68.2
57 20.8 16.1 24.1



#60
4-Bromofluorobenzene
Concen: 28.260 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion: 95 Resp: 370062
Ion Ratio Lower Upper
95 100
174 95.3 74.9 112.3
176 92.9 72.1 108.1

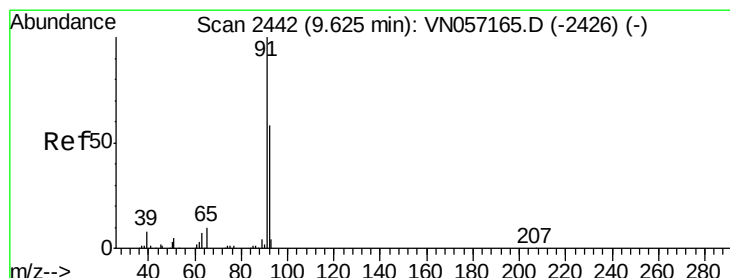
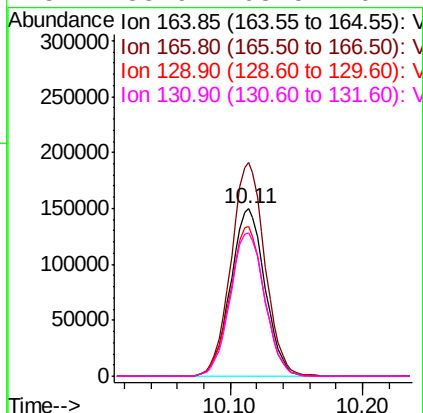
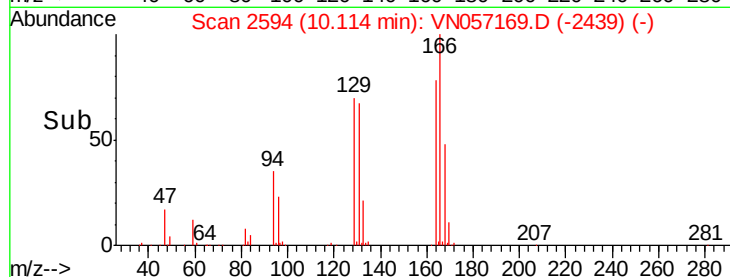
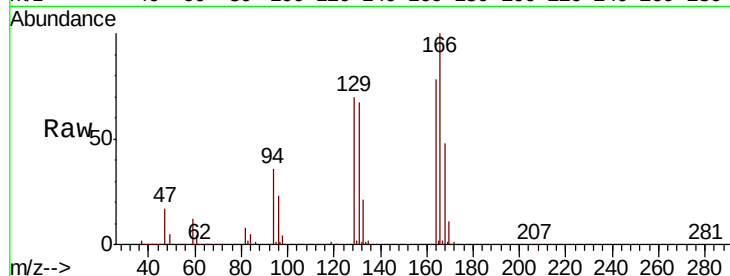




#61
Tetrachloroethene
Concen: 19.958 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

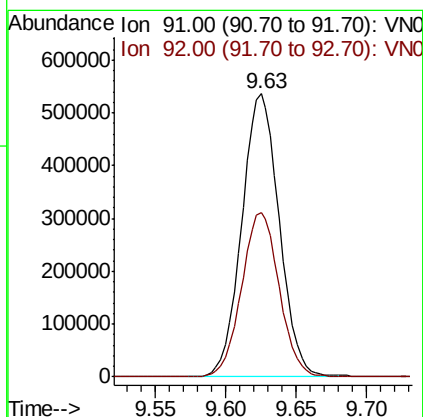
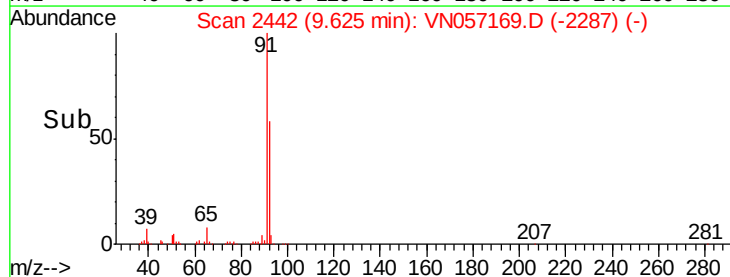
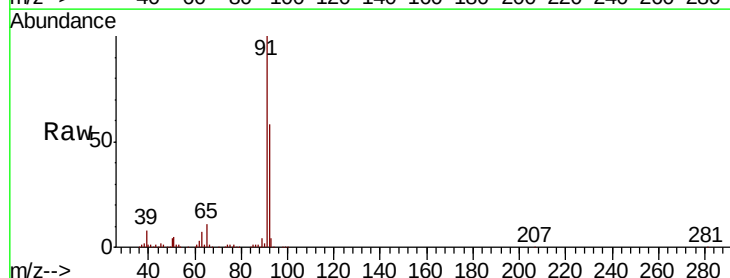
Instrument :
MSVOA_N
ClientSampleId :
ICVVN081019

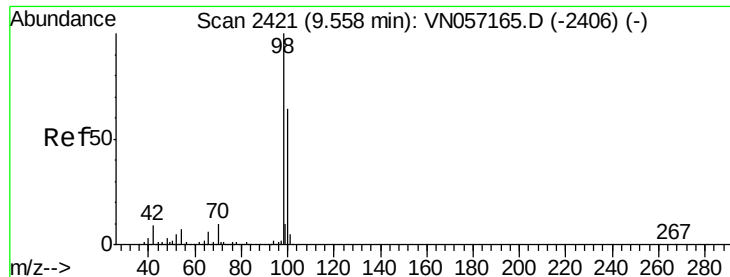
Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.0	154.6
129	89.6	67.3	100.9
131	85.9	68.5	102.7



#62
Toluene
Concen: 19.922 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	46.1	69.1

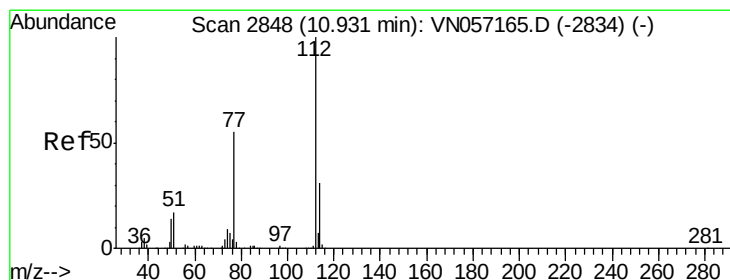
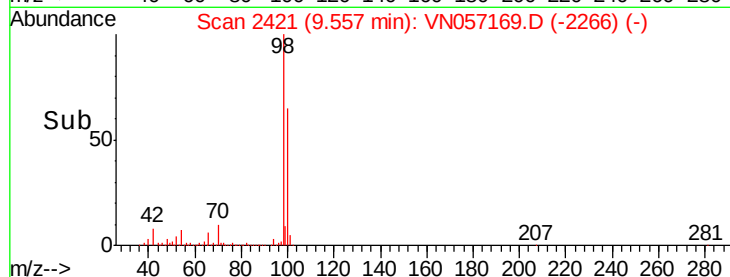
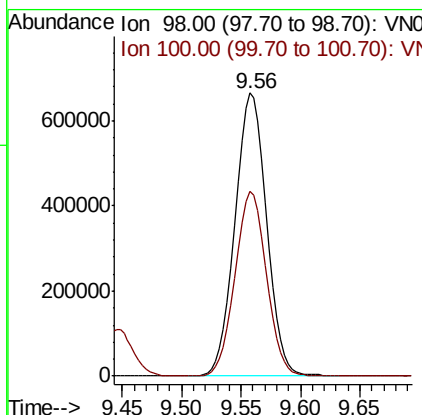
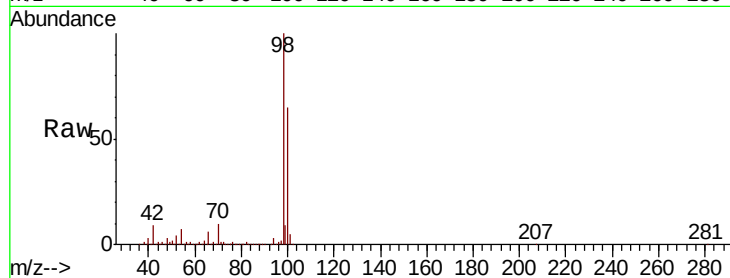




#63
Toluene-d8
Concen: 30.265 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

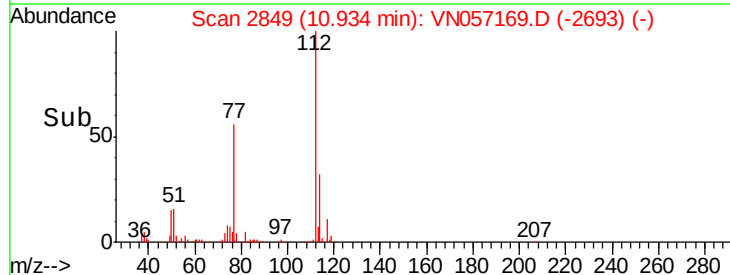
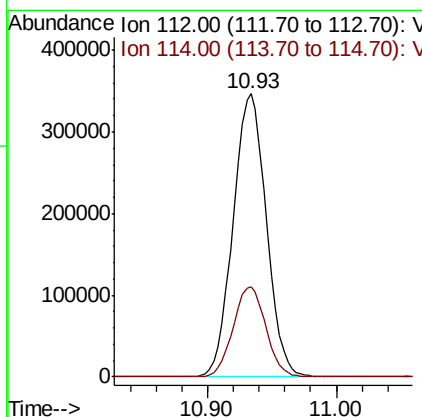
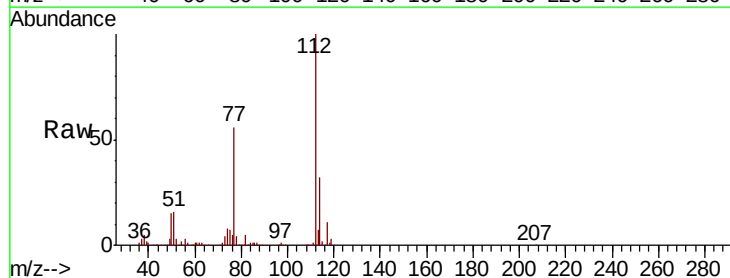
Instrument :
MSVOA_N
ClientSampleId :
ICVFN081019

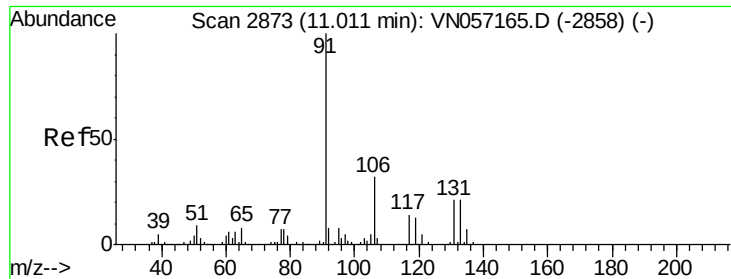
Tgt Ion: 98 Resp: 1228642
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#64
Chlorobenzene
Concen: 20.149 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion: 112 Resp: 620350
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.210 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVO81019

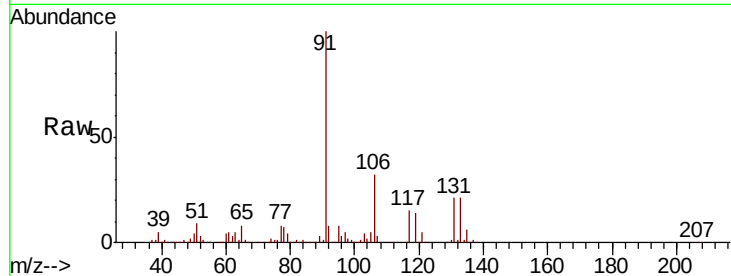
Tgt Ion:131 Resp: 238614

Ion Ratio Lower Upper

131 100

133 95.6 0.0 196.0

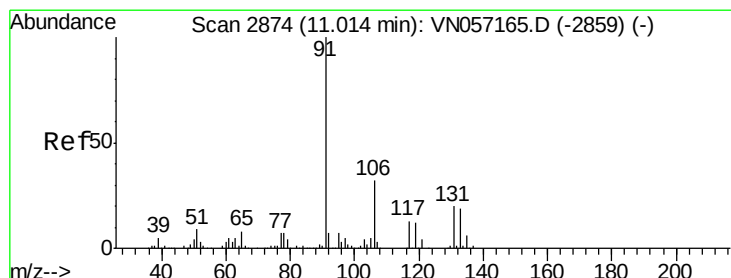
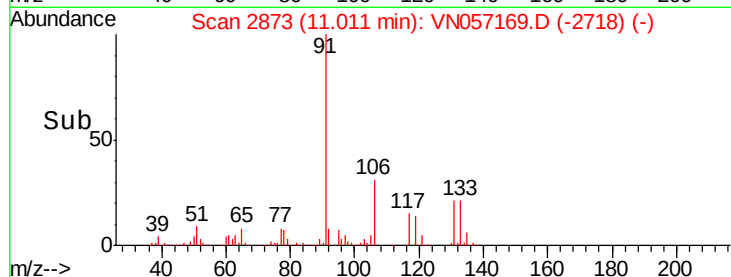
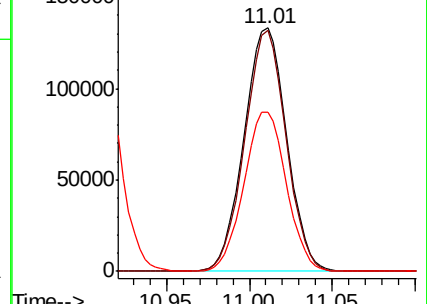
119 65.0 0.0 132.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.983 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057169.D

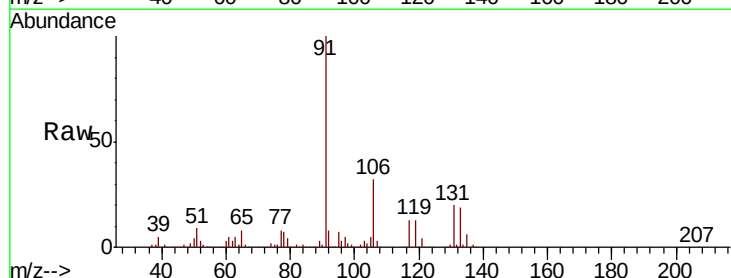
Acq: 10 Aug 2019 11:50

Tgt Ion: 91 Resp: 1072241

Ion Ratio Lower Upper

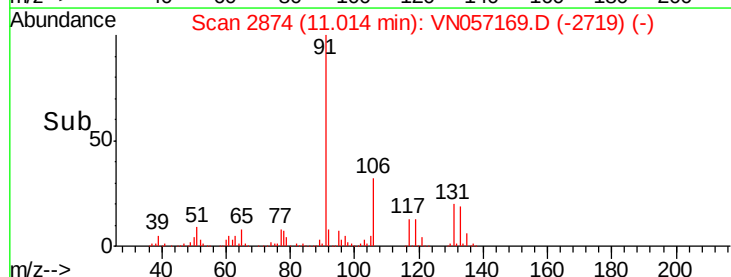
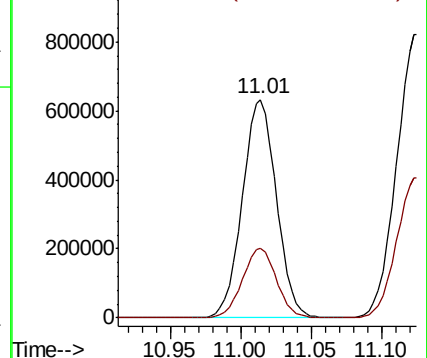
91 100

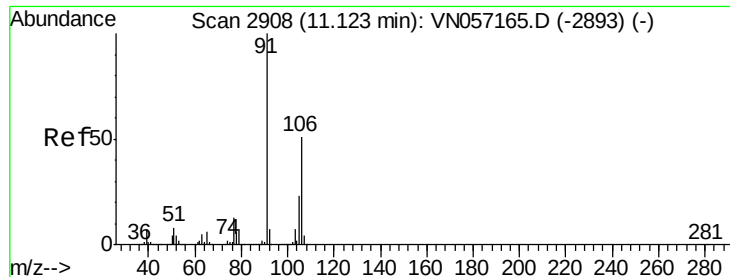
106 31.8 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

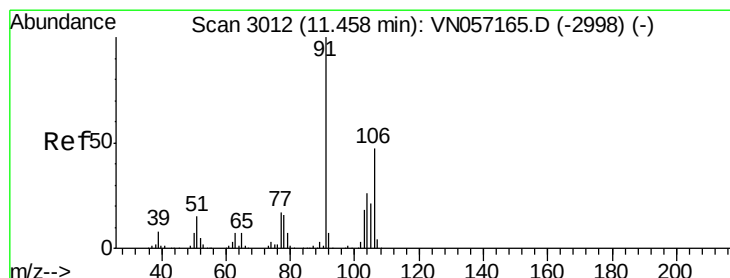
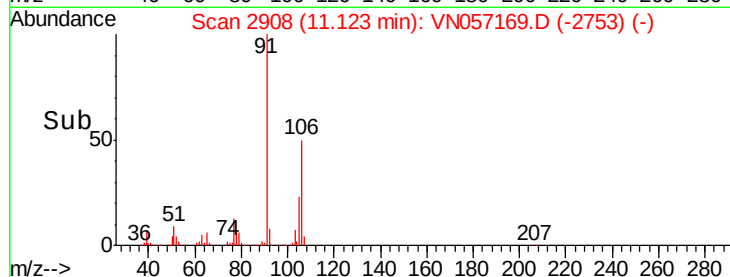
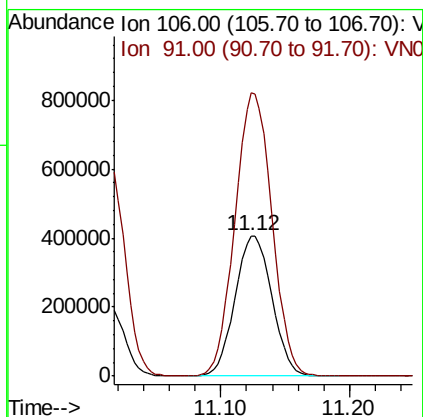
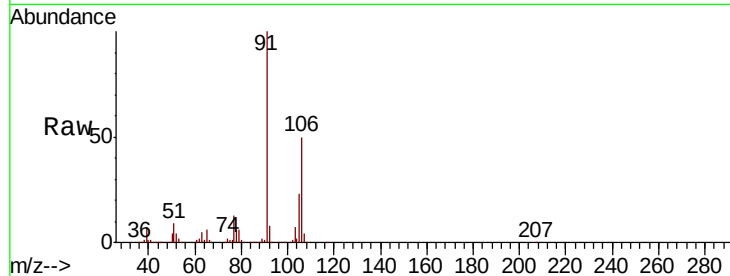




#67
m/p-Xylenes
Concen: 40.022 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

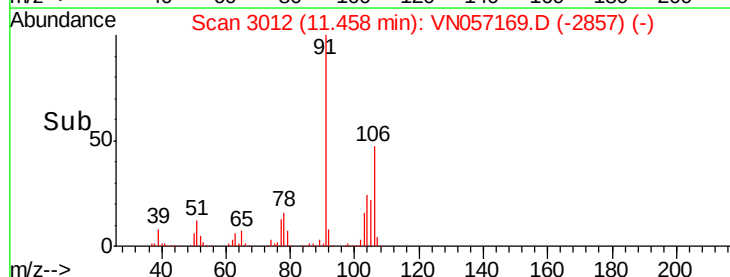
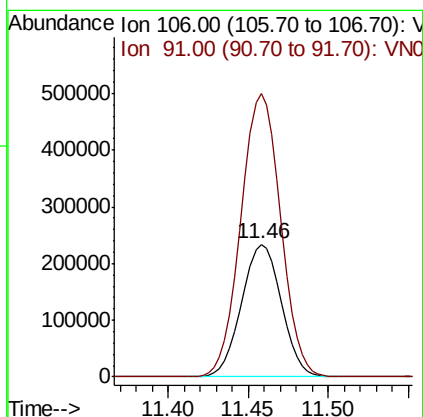
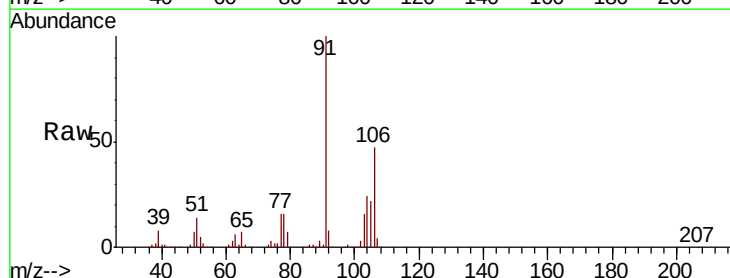
Instrument :
MSVOA_N
ClientSampleId :
ICVFN081019

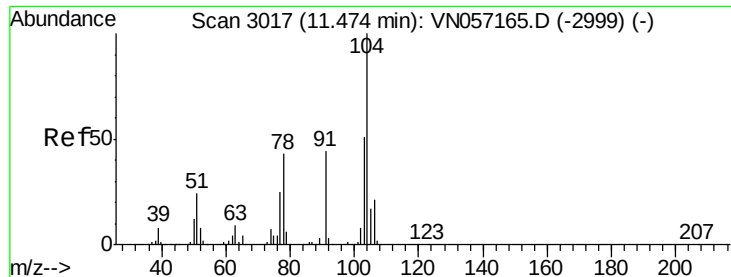
Tgt Ion:106 Resp: 809846
Ion Ratio Lower Upper
106 100
91 201.7 160.5 240.7



#68
o-Xylene
Concen: 20.265 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion:106 Resp: 398124
Ion Ratio Lower Upper
106 100
91 212.6 105.3 315.8





#69

Styrene

Concen: 19.739 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

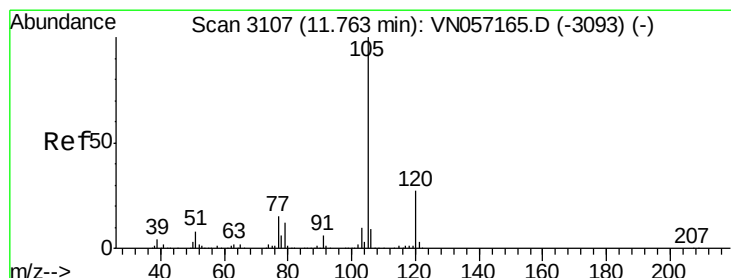
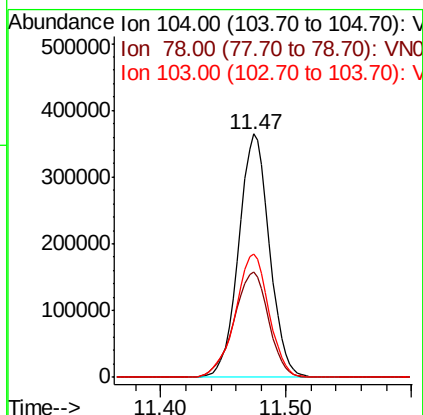
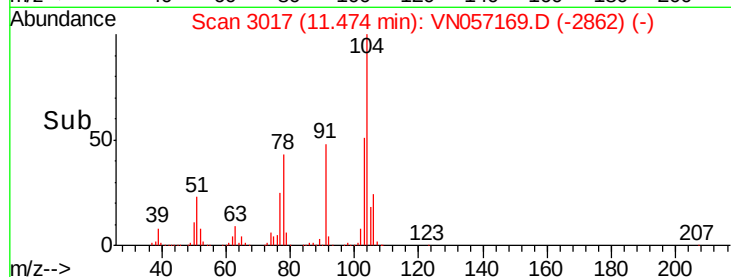
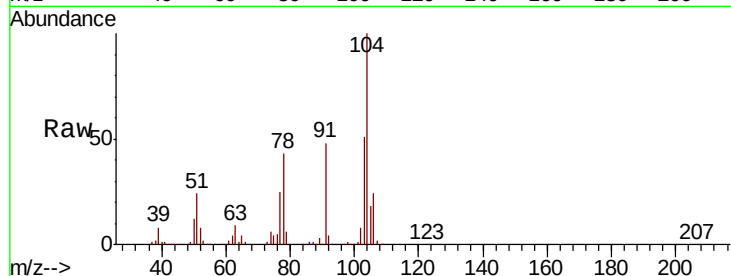
Tgt Ion:104 Resp: 621801

Ion Ratio Lower Upper

104 100

78 48.8 38.7 58.1

103 55.4 44.3 66.5



#70

Isopropylbenzene

Concen: 20.242 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VN057169.D

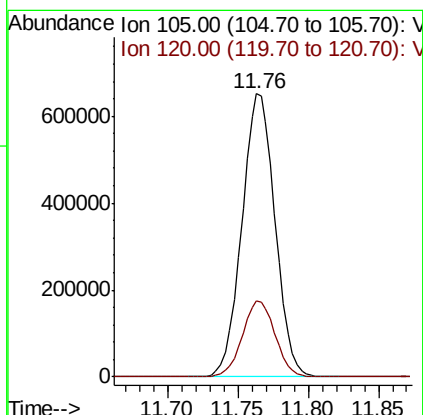
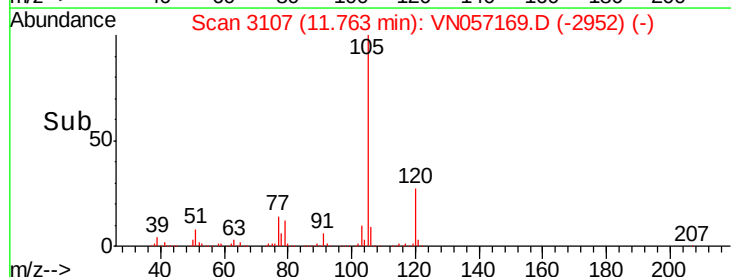
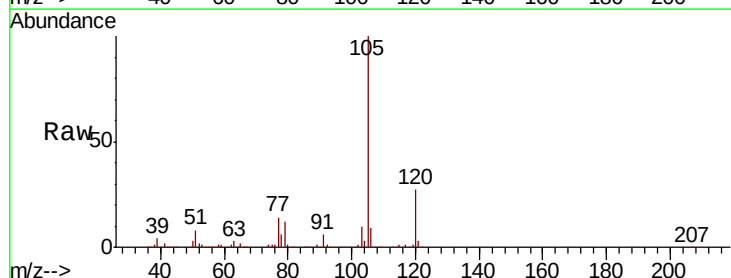
Acq: 10 Aug 2019 11:50

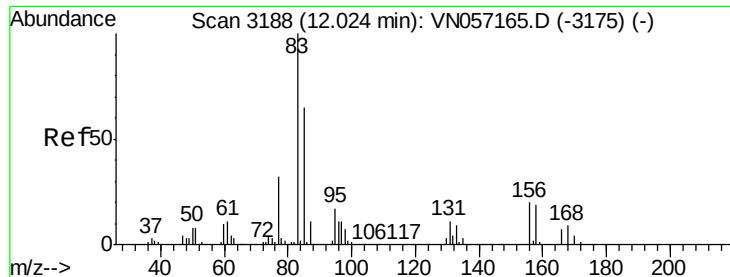
Tgt Ion:105 Resp: 1070639

Ion Ratio Lower Upper

105 100

120 26.6 19.1 35.5

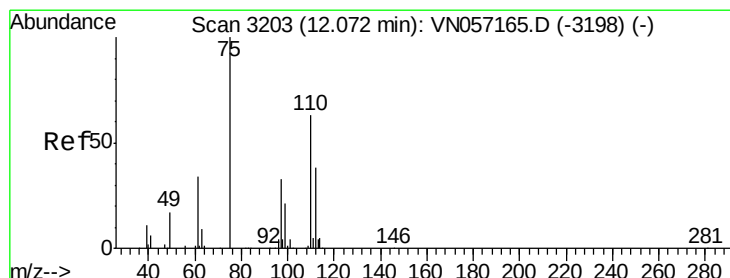
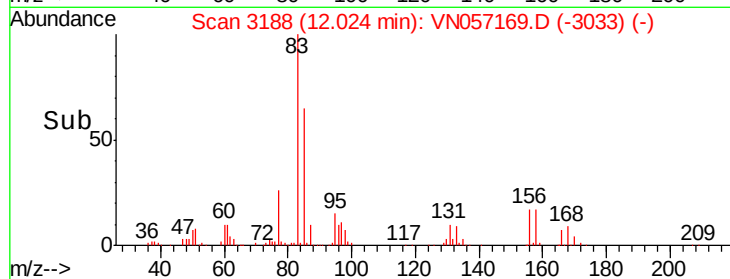
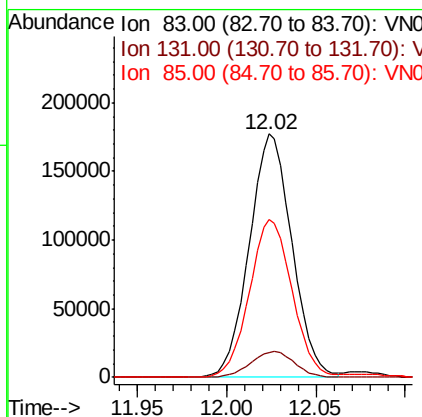
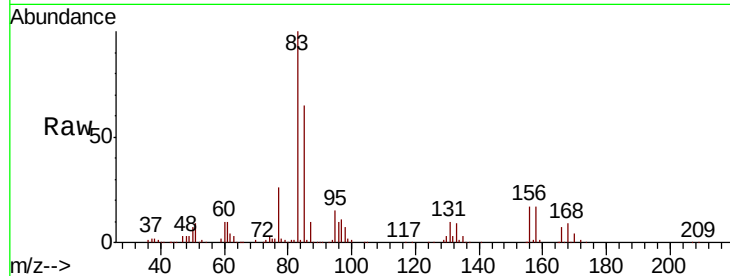




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.436 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

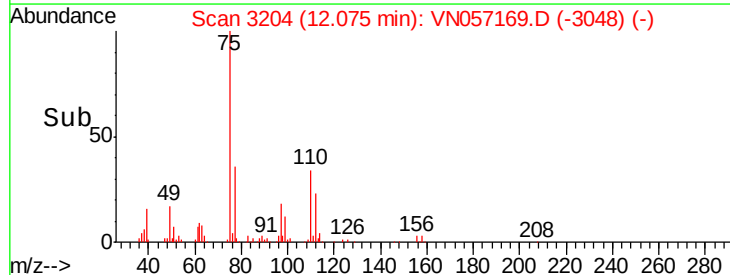
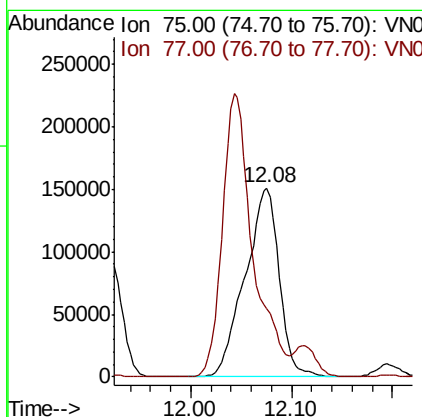
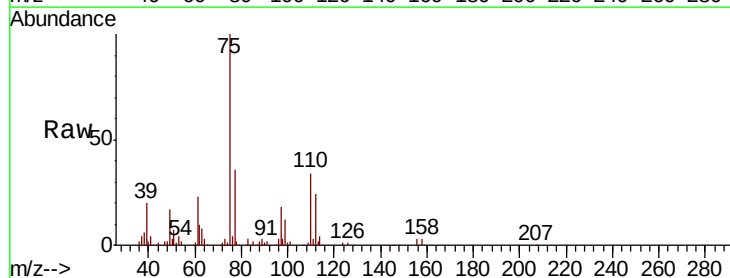
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

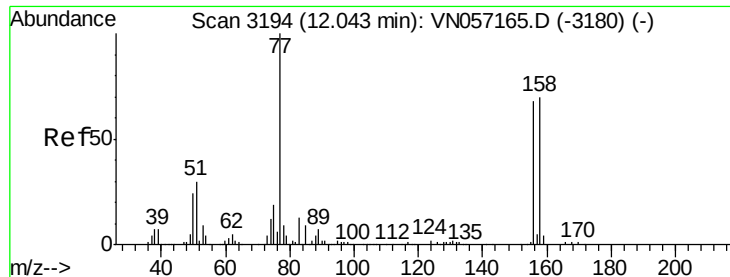
Tgt Ion: 83 Resp: 296042
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.5 16.5
 85 64.9 32.6 98.0



#72
 1,2,3-Trichloropropane
 Concen: 27.985 ug/l
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion: 75 Resp: 354813
 Ion Ratio Lower Upper
 75 100
 77 134.7 0.0 379.4





#73

Bromobenzene

Concen: 19.905 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN081019

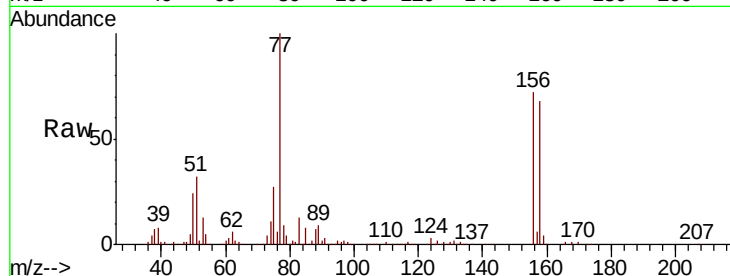
Tgt Ion:156 Resp: 272994

Ion Ratio Lower Upper

156 100

77 175.0 0.0 361.6

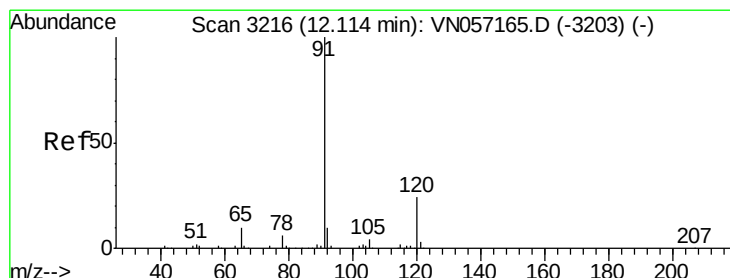
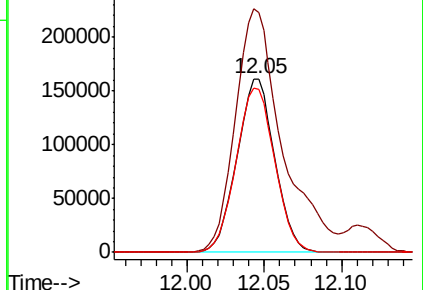
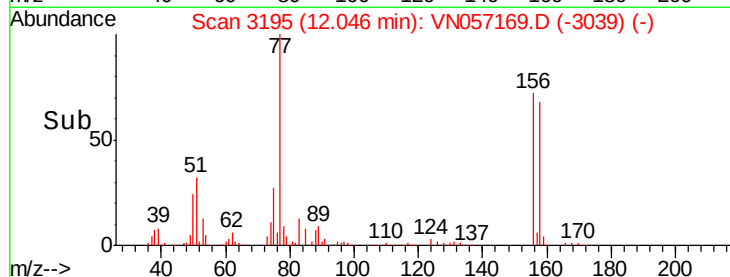
158 97.5 0.0 200.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.468 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VN057169.D

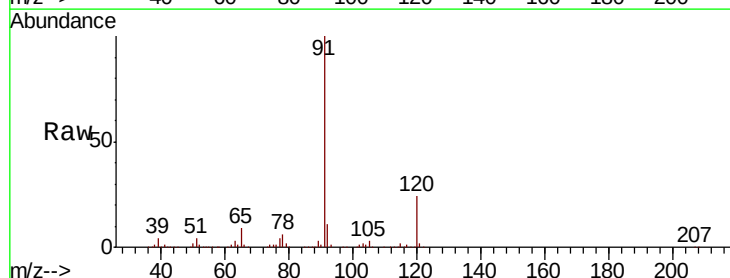
Acq: 10 Aug 2019 11:50

Tgt Ion: 91 Resp: 1080963

Ion Ratio Lower Upper

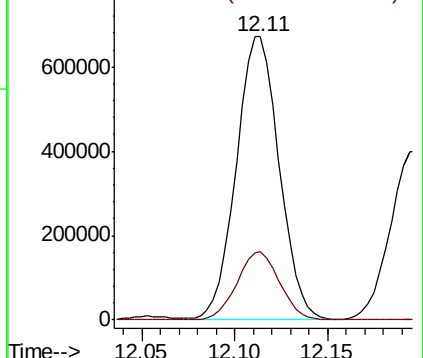
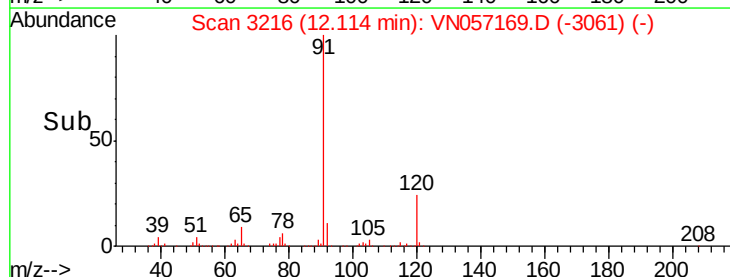
91 100

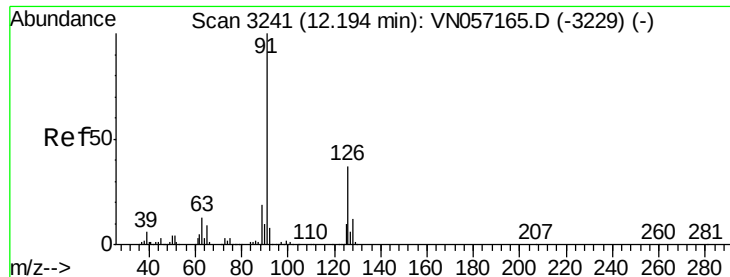
120 23.9 0.0 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.010 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

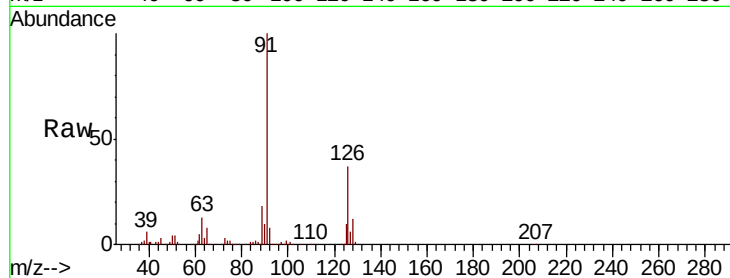
ICVVN081019

Tgt Ion: 91 Resp: 687221

Ion Ratio Lower Upper

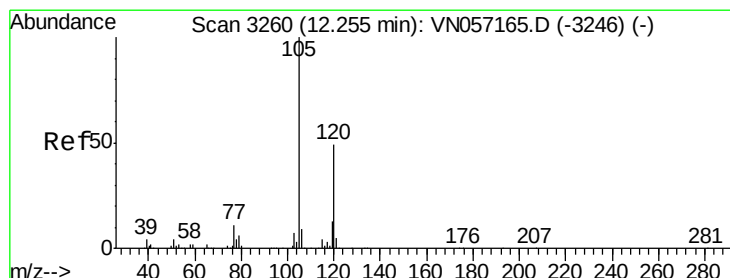
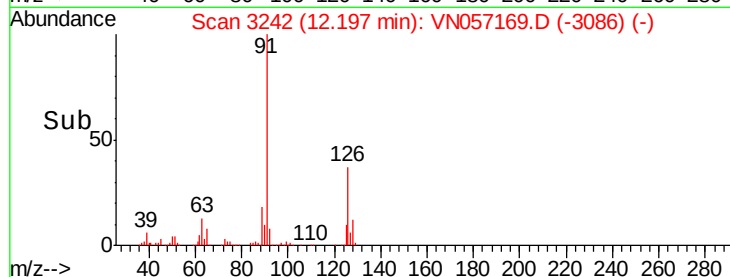
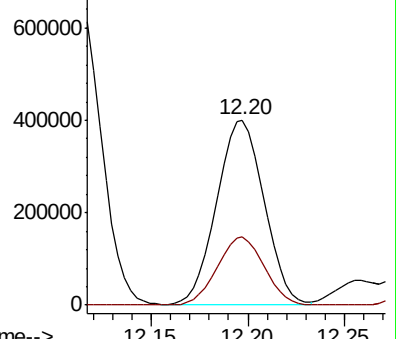
91 100

126 36.3 0.0 73.4



Abundance Ion 91.00 (90.70 to 91.70): VN057165.D (-3229) (-)

Ion 126.00 (125.70 to 126.70): VN057165.D (-3229) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.998 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057169.D

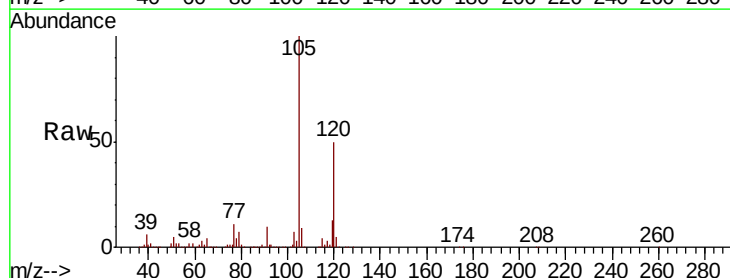
Acq: 10 Aug 2019 11:50

Tgt Ion: 105 Resp: 890591

Ion Ratio Lower Upper

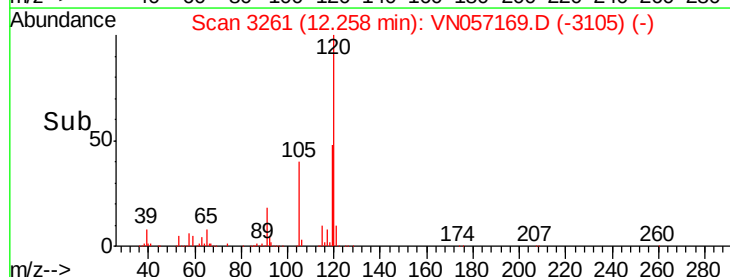
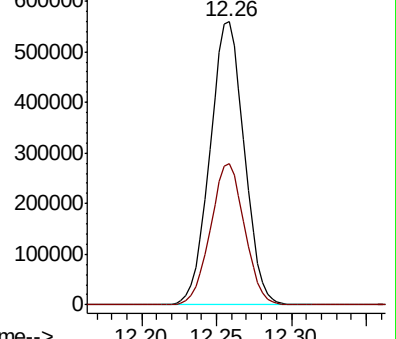
105 100

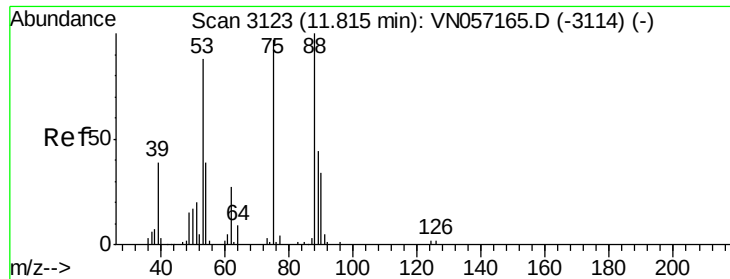
120 49.4 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057165.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN057165.D (-3246) (-)

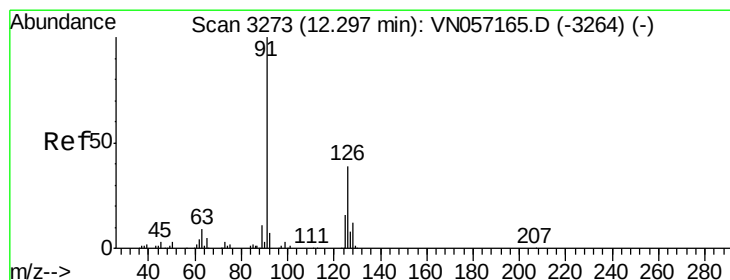
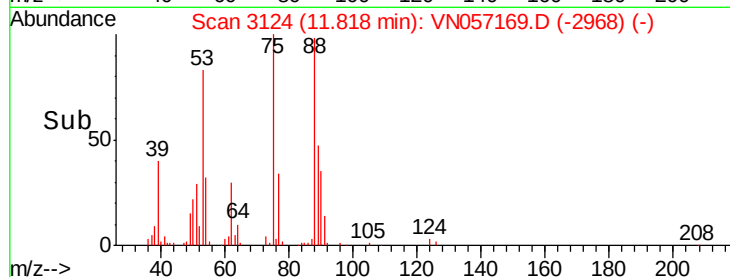
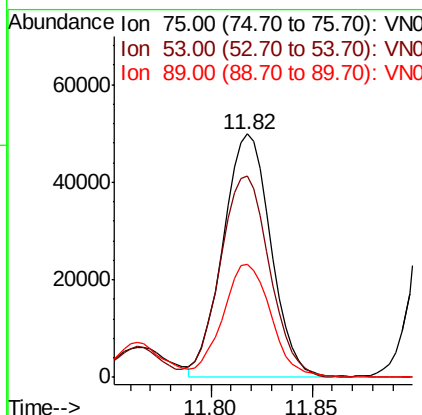
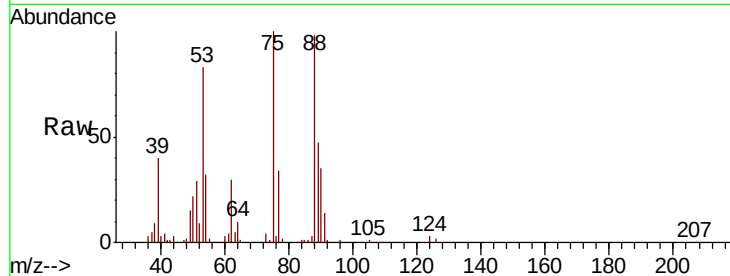




#77
t-1,4-Dichloro-2-butene
Concen: 19.410 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

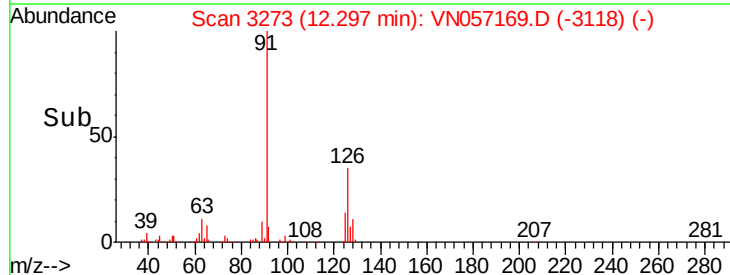
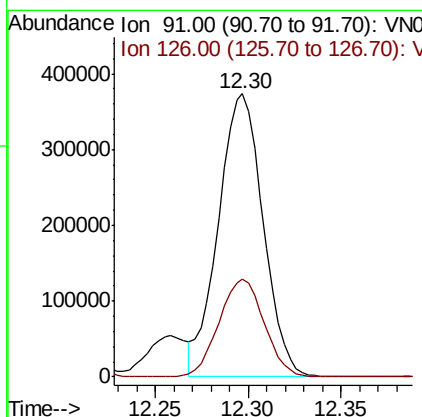
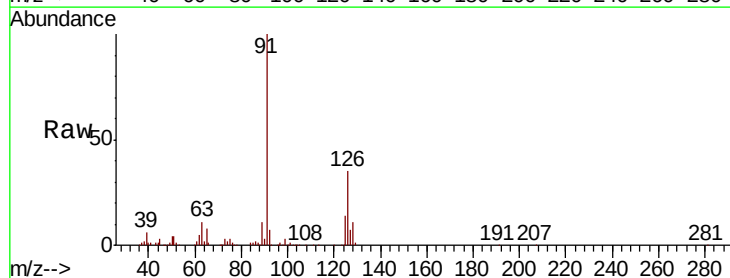
Instrument :
MSVOA_N
ClientSampleId :
ICVFN081019

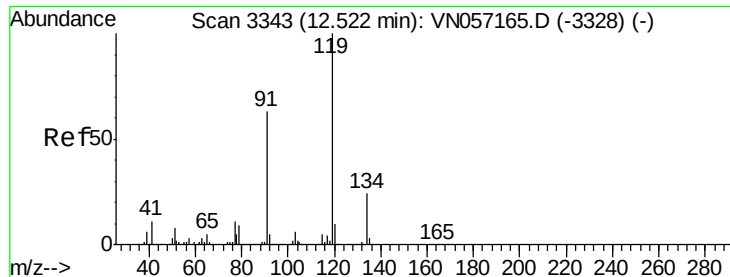
Tgt Ion: 75 Resp: 82820
Ion Ratio Lower Upper
75 100
53 82.3 45.4 136.2
89 46.4 23.5 70.6



#78
4-Chlorotoluene
Concen: 19.570 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion: 91 Resp: 624227
Ion Ratio Lower Upper
91 100
126 34.6 0.0 70.2





#79

tert-butylbenzene

Concen: 20.325 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

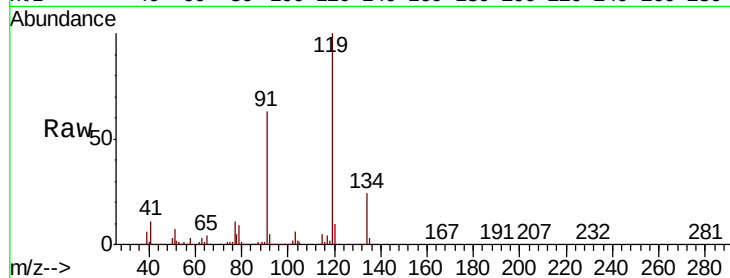
Tgt Ion:119 Resp: 797799

Ion Ratio Lower Upper

119 100

91 61.3 0.0 123.8

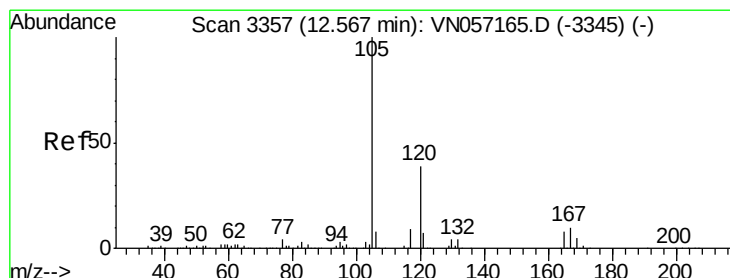
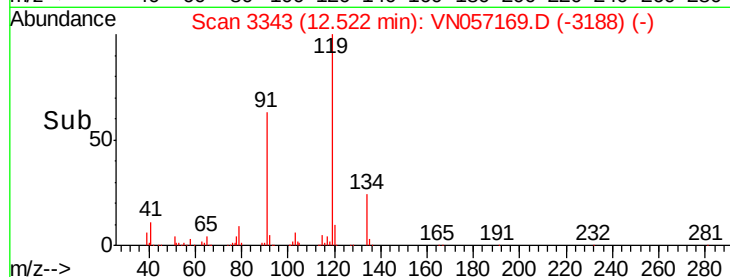
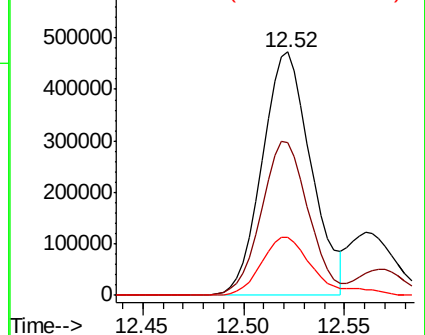
134 24.0 0.0 48.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.014 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057169.D

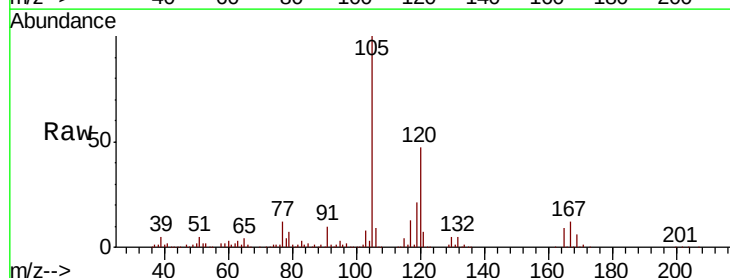
Acq: 10 Aug 2019 11:50

Tgt Ion:105 Resp: 840566

Ion Ratio Lower Upper

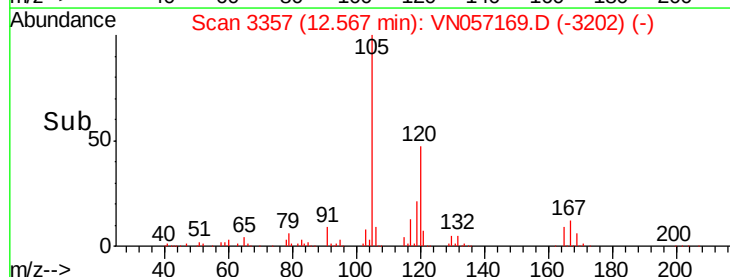
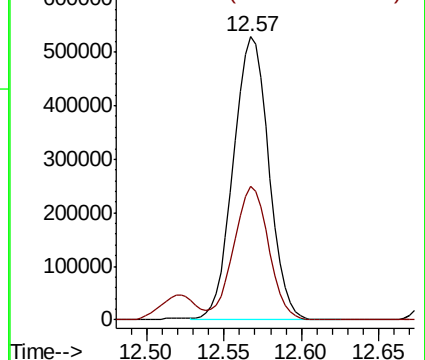
105 100

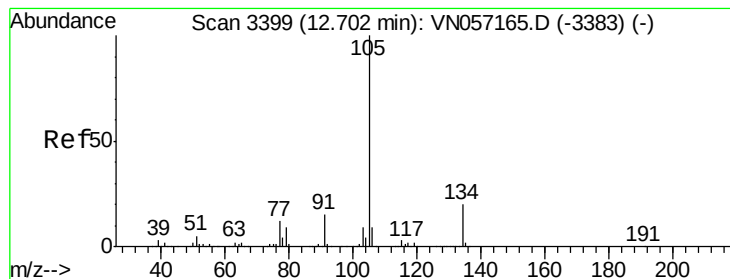
120 46.6 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.379 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

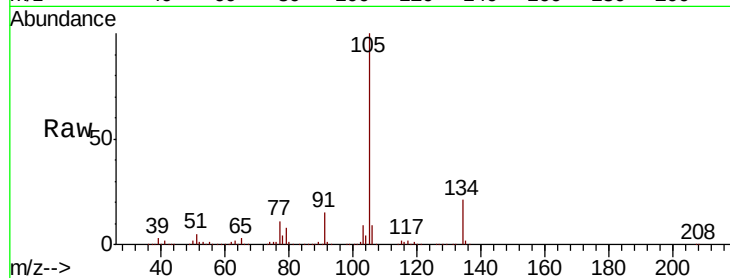
ICVVN081019

Tgt Ion:105 Resp: 959113

Ion Ratio Lower Upper

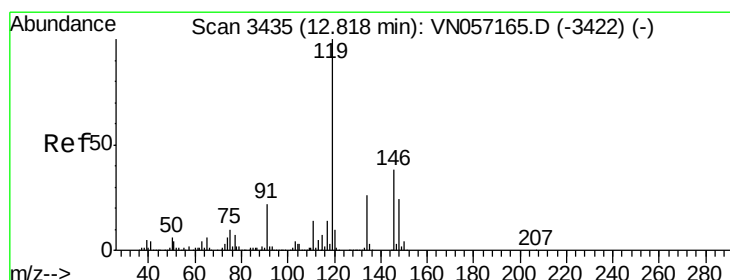
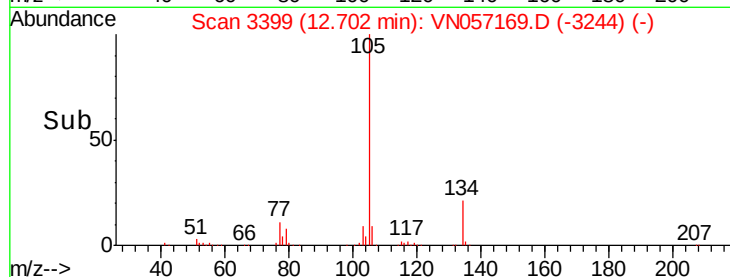
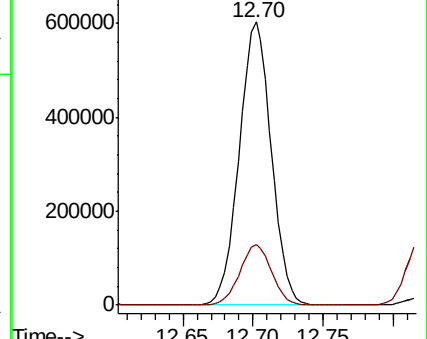
105 100

134 21.2 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.079 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

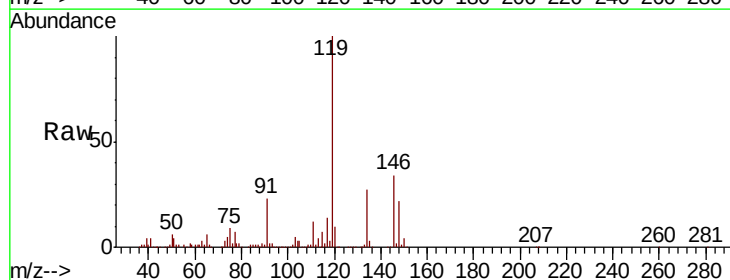
Tgt Ion:119 Resp: 840814

Ion Ratio Lower Upper

119 100

134 26.7 0.0 54.2

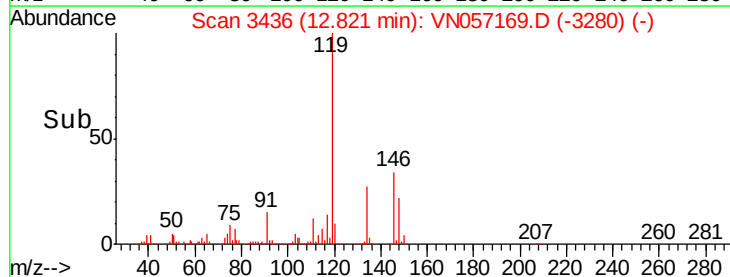
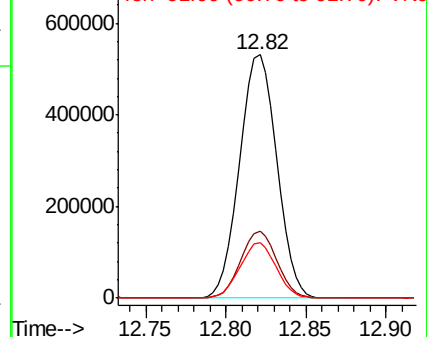
91 22.0 0.0 44.4

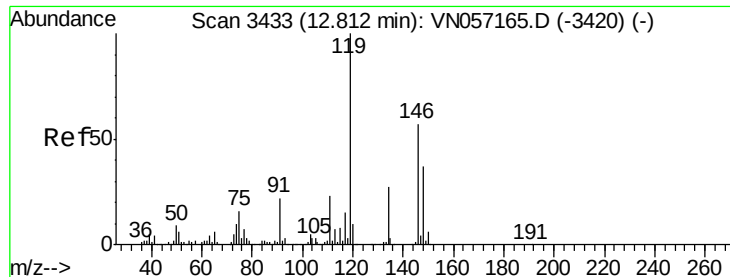


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 19.125 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081019

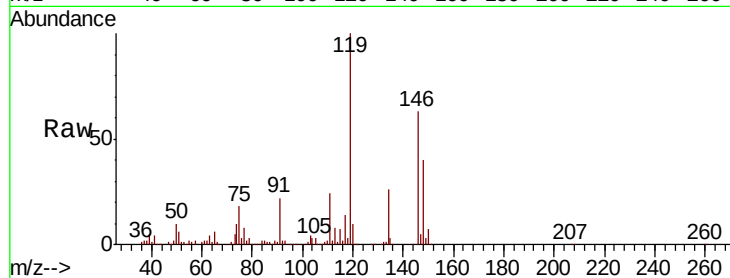
Tgt Ion:146 Resp: 399402

Ion Ratio Lower Upper

146 100

111 37.1 19.1 57.1

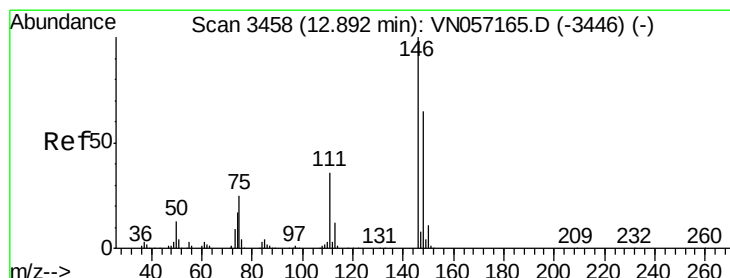
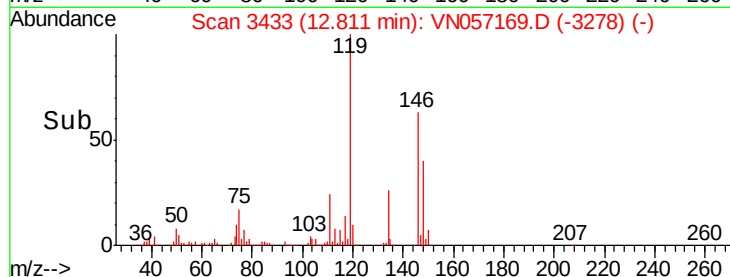
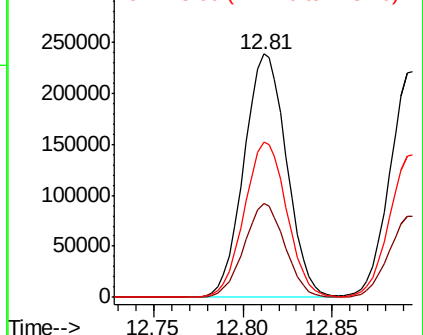
148 63.7 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.607 ug/l

RT: 12.89 min Scan# 3459

Delta R.T. 0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

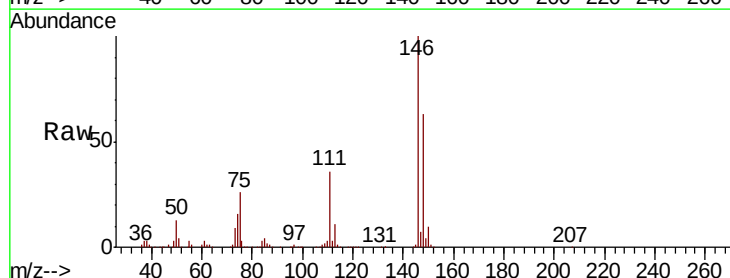
Tgt Ion:146 Resp: 361458

Ion Ratio Lower Upper

146 100

111 36.5 18.0 54.0

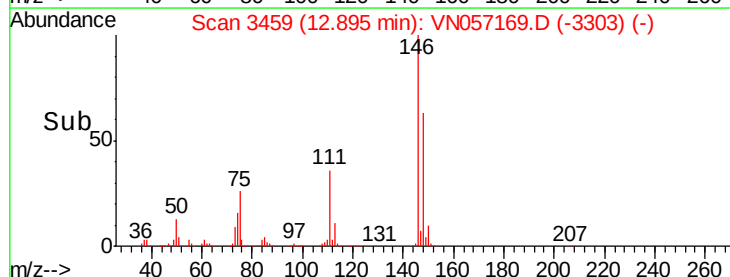
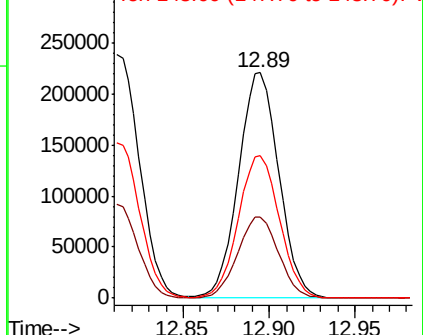
148 64.0 32.3 96.9

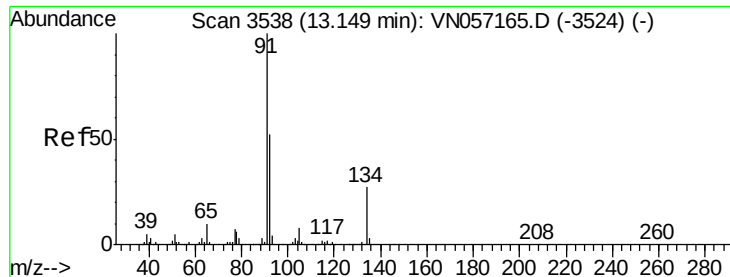


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 19.591 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057169.D

Acq: 10 Aug 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

ICVVN081019

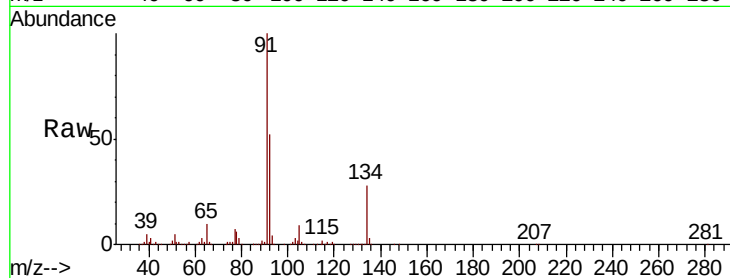
Tgt Ion: 91 Resp: 624251

Ion Ratio Lower Upper

91 100

92 52.9 0.0 104.4

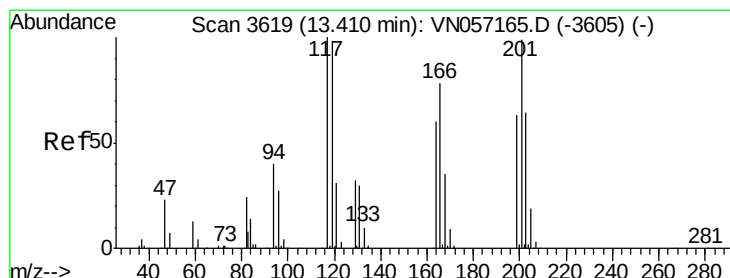
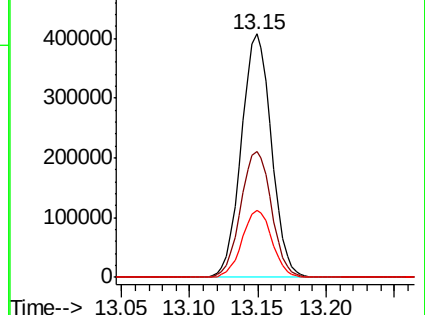
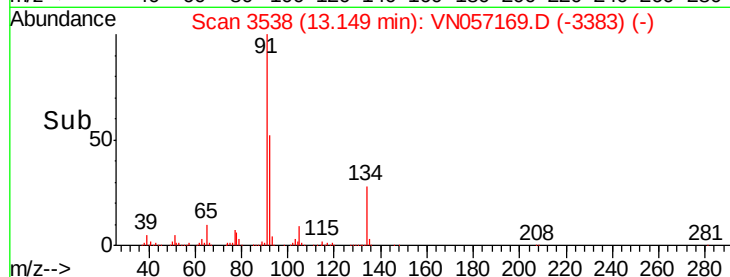
134 27.5 0.0 55.0



Abundance Ion 91.00 (90.70 to 91.70): VN057169.D (-3538) (-)

Ion 92.00 (91.70 to 92.70): VN057169.D (-3538) (-)

Ion 134.00 (133.70 to 134.70): VN057169.D (-3538) (-)



#86

Hexachloroethane

Concen: 19.037 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VN057169.D

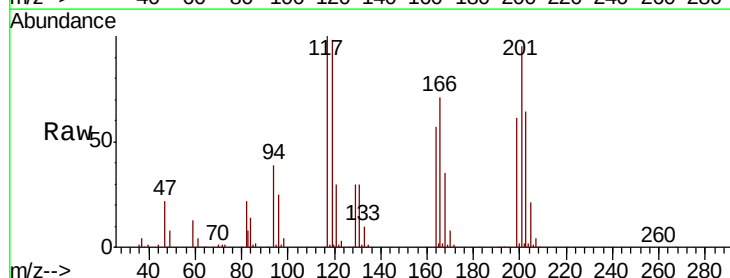
Acq: 10 Aug 2019 11:50

Tgt Ion: 117 Resp: 152548

Ion Ratio Lower Upper

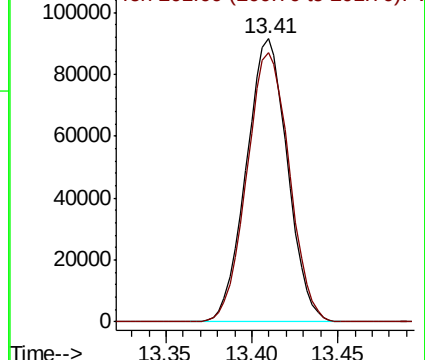
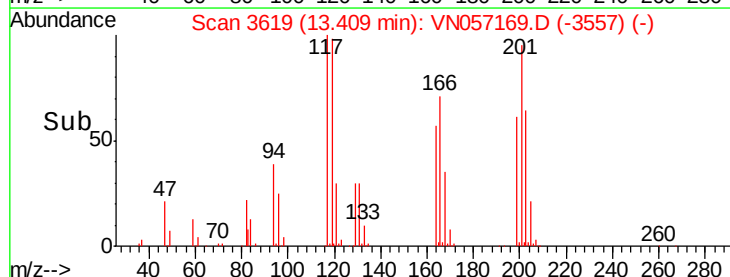
117 100

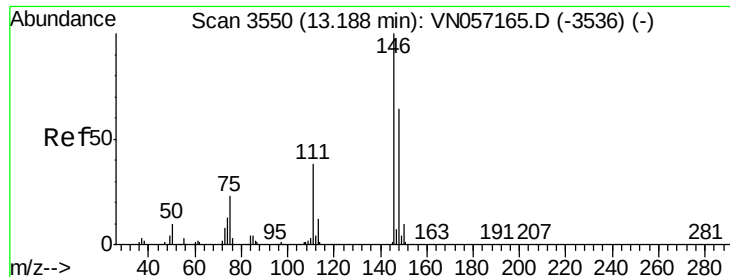
201 97.8 49.3 147.9



Abundance Ion 117.00 (116.70 to 117.70): VN057169.D (-3619) (-)

Ion 201.00 (200.70 to 201.70): VN057169.D (-3619) (-)

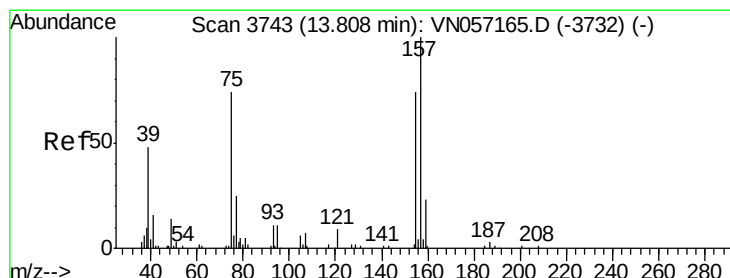
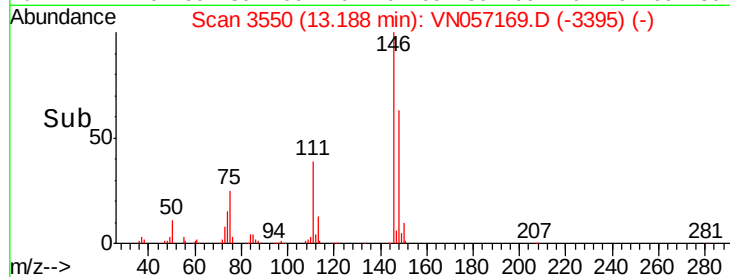
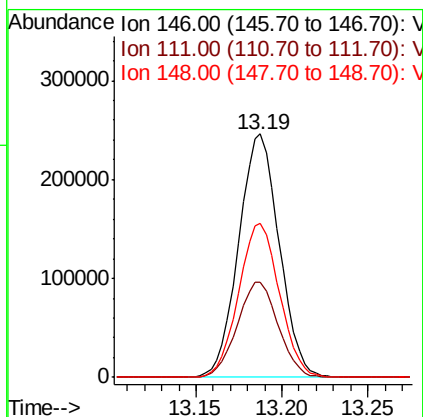
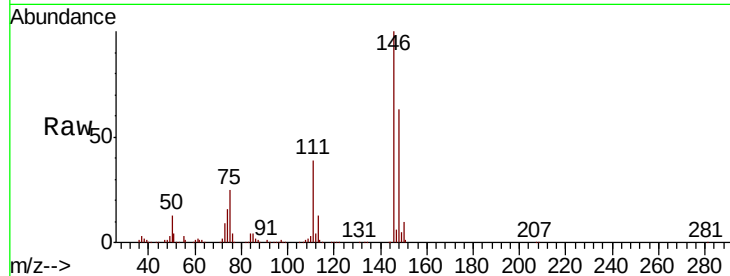




#87
 1,2-Dichlorobenzene
 Concen: 19.413 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

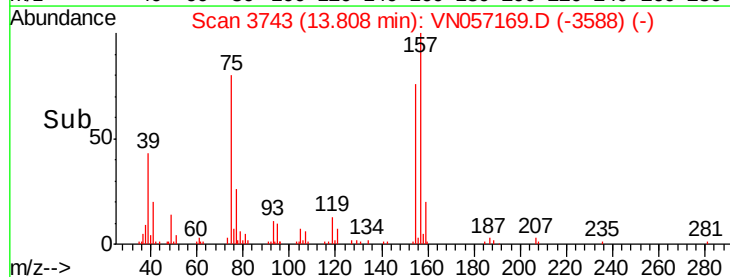
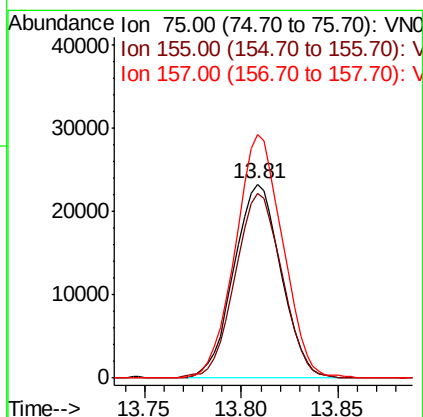
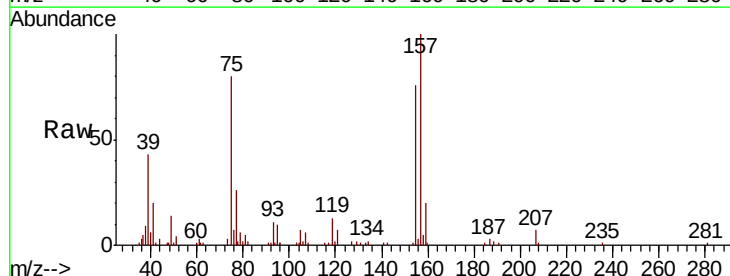
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

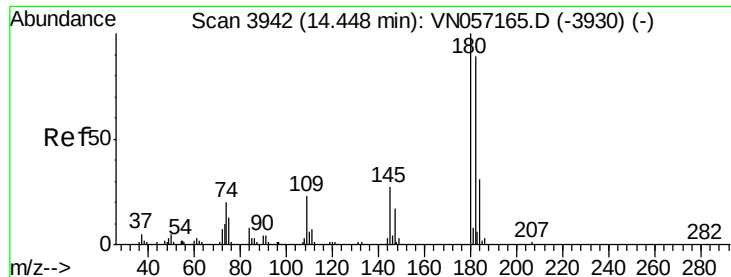
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.5
148	63.9	32.4	97.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.438 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	80.9	121.3
157	125.9	111.3	166.9

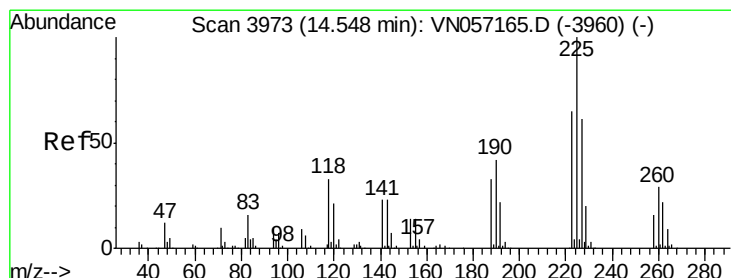
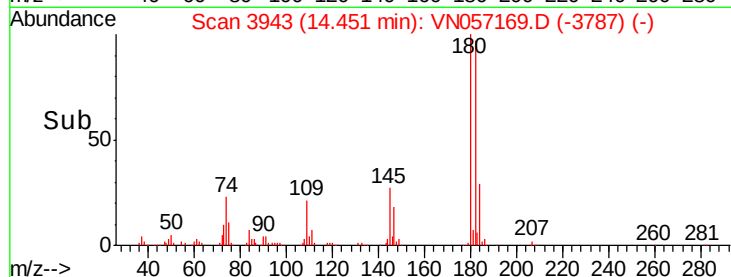
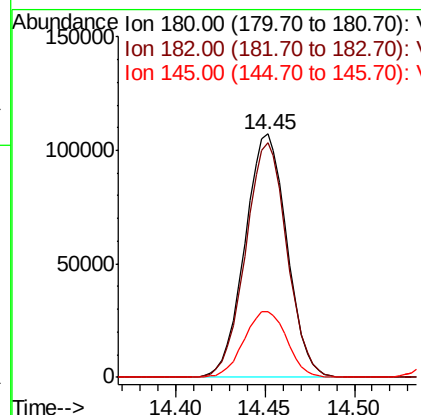
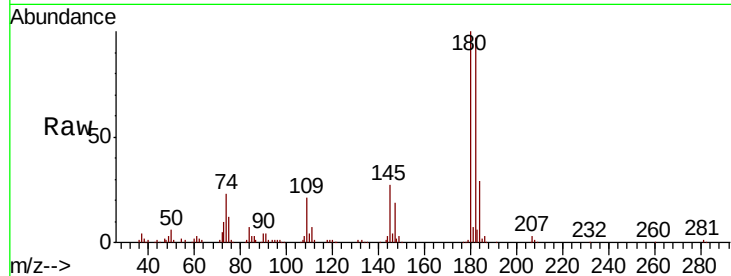




#89
 1,2,4-Trichlorobenzene
 Concen: 23.197 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

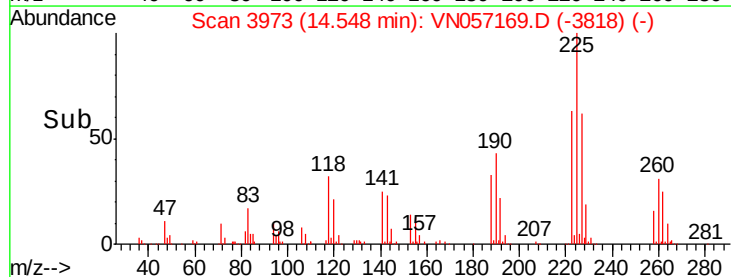
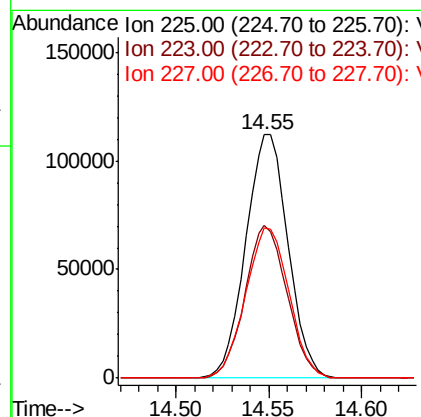
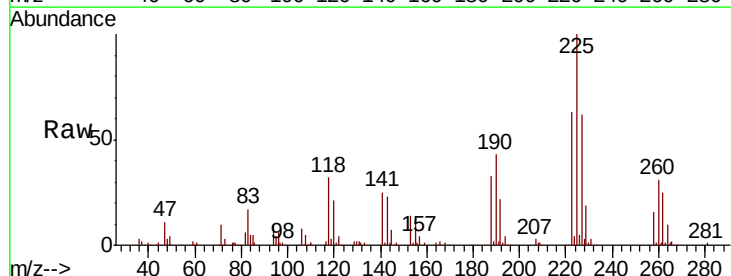
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081019

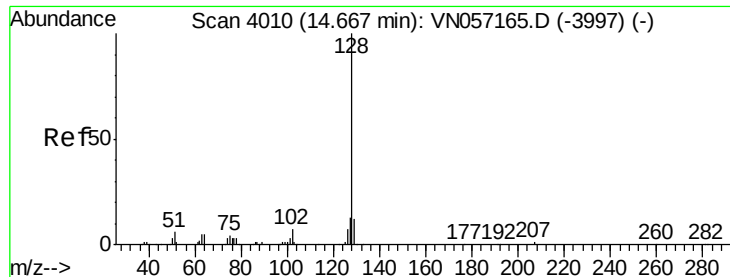
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.0	112.6
145	27.6	21.7	32.5



#90
 Hexachlorobutadiene
 Concen: 19.838 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VN057169.D
 Acq: 10 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	128.0
227	63.4	0.0	125.6

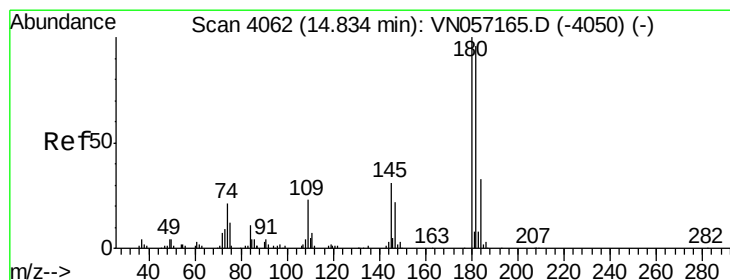
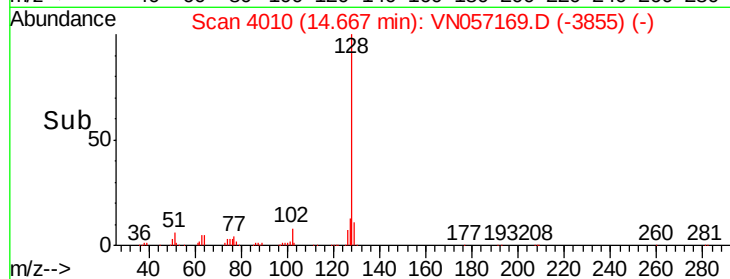
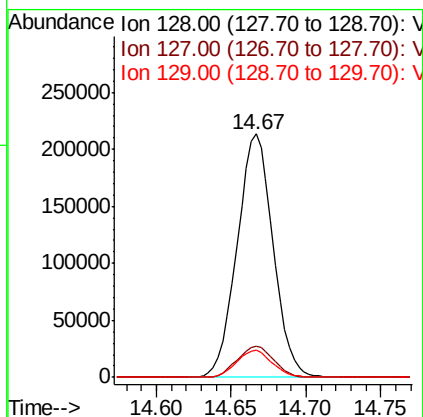
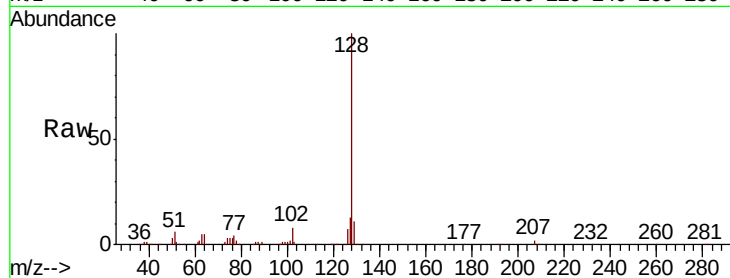




#91
Naphthalene
Concen: 22.699 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
ICVVN081019

Tgt Ion	Resp	Lower	Upper
128	356850		
127	13.0	10.2	15.4
129	11.2	8.6	13.0



#92
1,2,3-Trichlorobenzene
Concen: 26.875 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057169.D
Acq: 10 Aug 2019 11:50

Tgt Ion	Resp	Lower	Upper
180	205169		
182	96.6	0.0	195.8
145	29.9	0.0	61.2

