

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057581.D
 Acq On : 30 Aug 2019 11:15
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

Quant Time: Aug 31 00:05:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	103486	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	634209	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	552555	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	241689	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	12.40	95	240421	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	772344	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	130289	23.672 ug/l	98
3) Chloromethane	2.06	50	106536	21.876 ug/l	98
4) Vinyl Chloride	2.19	62	157035	20.784 ug/l	97
5) Bromomethane	2.56	94	149678	21.565 ug/l	99
6) Chloroethane	2.70	64	98846	19.328 ug/l	95
7) Trichlorofluoromethane	3.01	101	327991	19.646 ug/l	100
8) Diethyl Ether	3.40	74	103892	19.343 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	196847	19.700 ug/l	95
10) 1,1-Dichloroethene	3.72	96	177427	19.329 ug/l	99
11) Methyl Iodide	3.93	142	290599	18.313 ug/l	99
12) Methyl Acetate	4.31	43	96716	19.541 ug/l	94
13) Acrolein	3.59	56	58141	92.186 ug/l	93
14) Acrylonitrile	4.98	53	195408	100.489 ug/l #	90
15) Acetone	3.81	58	102593	97.752 ug/l	94
16) Carbon Disulfide	4.03	76	214736	22.422 ug/l	98
17) Allyl chloride	4.30	41	133558	20.392 ug/l	98
18) Methylene Chloride	4.53	84	110871	21.023 ug/l	93
19) trans-1,2-Dichloroethene	5.02	96	109539	20.896 ug/l	97
20) Diisopropyl ether	5.94	45	305828	19.554 ug/l	98
21) 1,1-Dichloroethane	5.83	63	200753	20.330 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	145581	20.839 ug/l	96
23) tert-Butyl Alcohol	4.80	59	74096	102.747 ug/l	100
24) Methyl tert-Butyl Ether	5.03	73	345986	20.482 ug/l	93
25) Chloroform	7.36	83	243985	20.335 ug/l	99
26) Cyclohexane	7.64	56	163597	19.868 ug/l #	91
29) 1,1-Dichloropropene	7.78	75	165198	19.247 ug/l	99
30) 2-Butanone	6.83	43	265035	95.207 ug/l #	95
31) 2,2-Dichloropropane	6.81	77	198156	19.299 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	218525	18.990 ug/l	98
33) Carbon Tetrachloride	7.76	117	185172	18.966 ug/l	95
34) Benzene	8.03	78	499186	19.399 ug/l	99
35) Methacrylonitrile	7.16	41	46807	16.988 ug/l	93
36) 1,2-Dichloroethane	8.11	62	182620	19.235 ug/l	100
37) Trichloroethene	8.83	130	149041	19.998 ug/l	97
38) Methylcyclohexane	9.07	83	207347	19.834 ug/l	98
39) 1,2-Dichloropropane	9.11	63	119852	19.035 ug/l	96
40) Dibromomethane	9.20	93	96291	19.863 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	186179	18.746	ug/l	99
42) Vinyl Acetate	5.88	43	1216260	98.341	ug/l	98
43) Ethyl Acetate	6.92	43	100660	18.749	ug/l	100
44) Isopropyl Acetate	8.16	43	199299	18.557	ug/l	99
45) 1,4-Dioxane	9.20	88	38726	418.781	ug/l	96
46) Methyl methacrylate	9.19	41	86515	17.369	ug/l	87
47) n-amyl Acetate	12.07	43	162151	18.237	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	181870	18.448	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	199510	18.686	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	127976	18.497	ug/l	98
51) Ethyl methacrylate	10.43	69	168029	18.659	ug/l	87
52) 1,3-Dichloropropane	10.71	76	201812	18.720	ug/l	98
53) Dibromochloromethane	10.90	129	141436	18.156	ug/l	100
54) 1,2-Dibromoethane	11.00	107	135428	18.885	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	197104	89.174	ug/l	97
56) Bromoform	12.13	173	87301	17.138	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	557046	99.765	ug/l	97
59) 2-Hexanone	10.75	43	380498	96.380	ug/l	93
61) Tetrachloroethene	10.63	164	138931	19.667	ug/l	99
62) Toluene	10.15	91	584139	20.849	ug/l	99
64) Chlorobenzene	11.43	112	357787	19.830	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	138868	19.395	ug/l	98
66) Ethyl Benzene	11.51	91	641228	21.274	ug/l	99
67) m/p-Xylenes	11.62	106	476990	39.553	ug/l	100
68) o-Xylene	11.95	106	232076	19.153	ug/l	98
69) Styrene	11.96	104	377295	19.646	ug/l	98
70) Isopropylbenzene	12.25	105	640082	21.074	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	157836	19.537	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	190601	27.791	ug/l	63
73) Bromobenzene	12.53	156	150931	19.439	ug/l	96
74) n-propylbenzene	12.59	91	671190	21.437	ug/l	100
75) 2-Chlorotoluene	12.68	91	406950	20.123	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	539365	20.985	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38986	17.948	ug/l	95
78) 4-Chlorotoluene	12.78	91	390041	20.049	ug/l	99
79) tert-butylbenzene	12.99	119	472285	20.105	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	517297	21.350	ug/l	98
81) sec-Butylbenzene	13.17	105	598367	20.954	ug/l	100
82) p-Isopropyltoluene	13.29	119	519460	20.513	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	242562	19.314	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	236950	19.671	ug/l	98
85) n-Butylbenzene	13.62	91	404179	20.494	ug/l	98
86) Hexachloroethane	13.88	117	88291	18.232	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	246362	20.410	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22829	18.817	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	101416	22.801	ug/l	99
90) Hexachlorobutadiene	15.01	225	84666	22.131	ug/l	96
91) Naphthalene	15.13	128	284135	22.952	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	102320	23.221	ug/l	94

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QLast Update : Sat Aug 31 00:00:09 2019
Response via : Initial Calibration

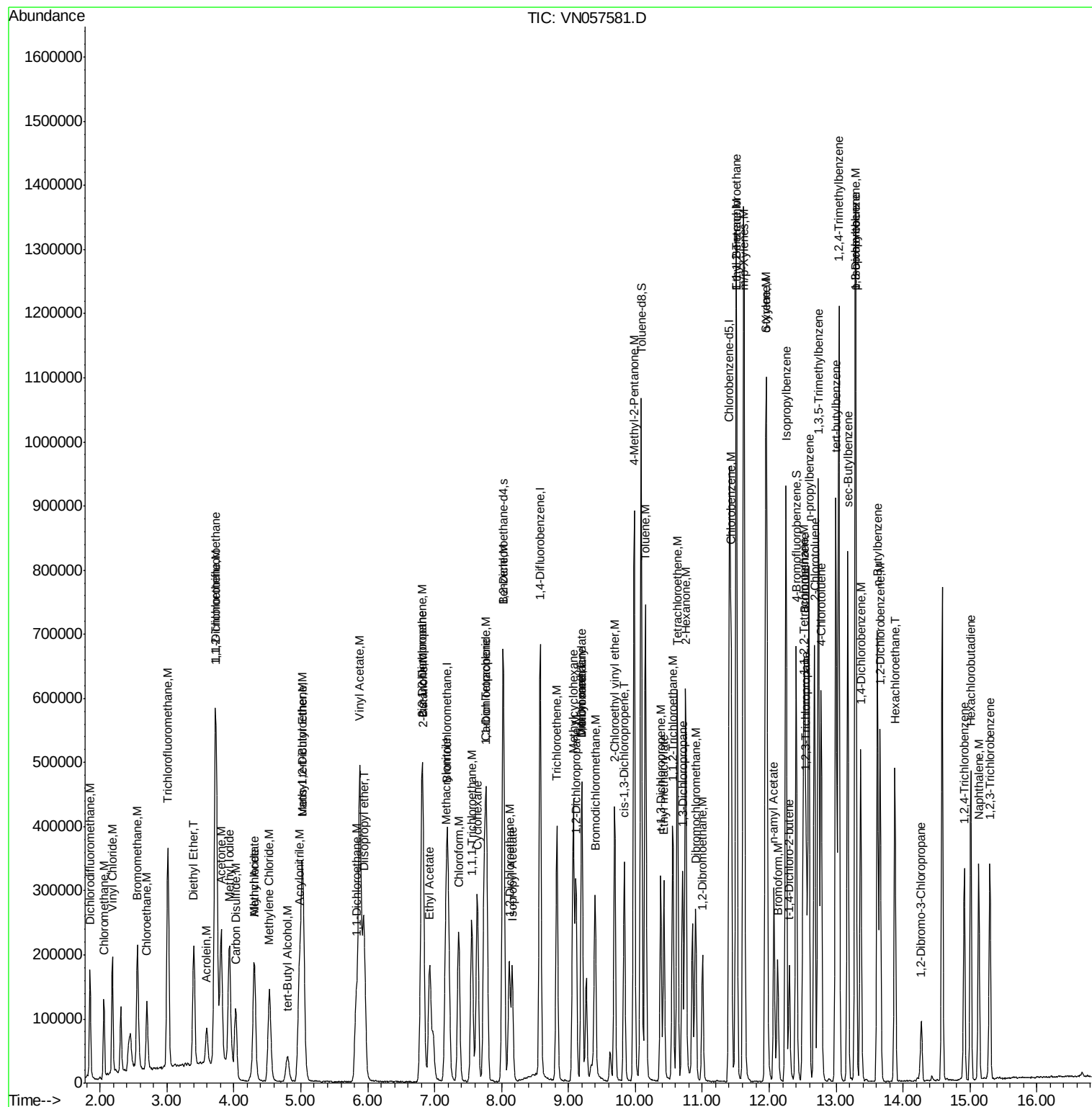
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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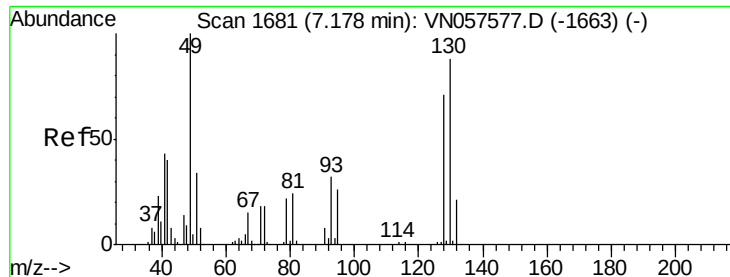
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 31 00:05:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

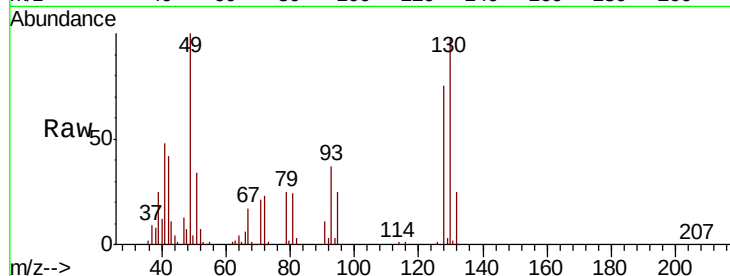
Tgt Ion:128 Resp: 103486

Ion Ratio Lower Upper

128 100

49 132.1 0.0 352.3

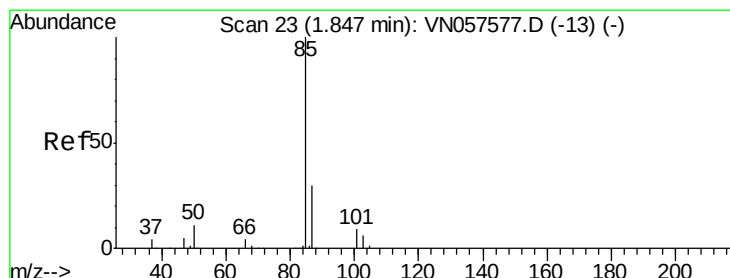
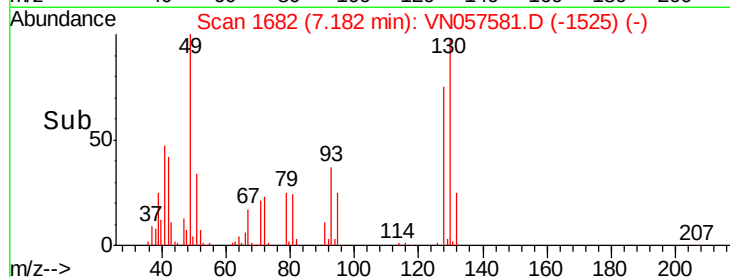
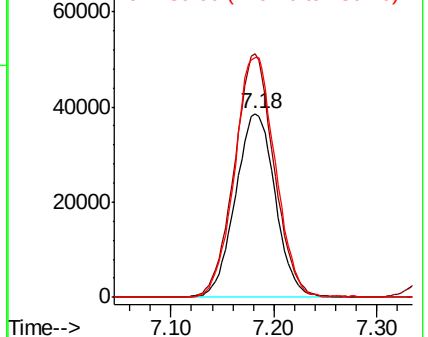
130 133.3 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 23.672 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057581.D

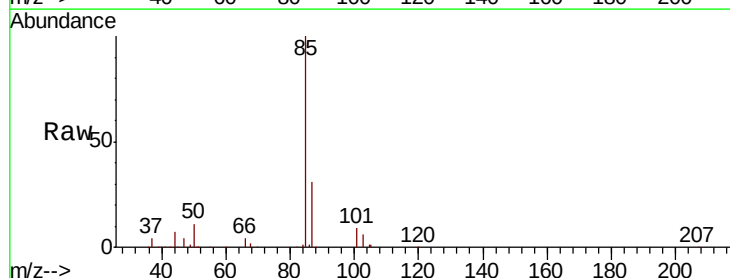
Acq: 30 Aug 2019 11:15

Tgt Ion: 85 Resp: 130289

Ion Ratio Lower Upper

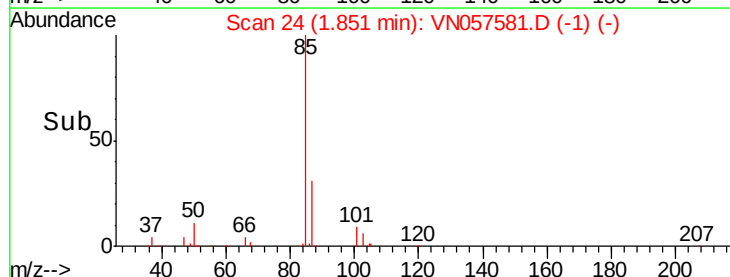
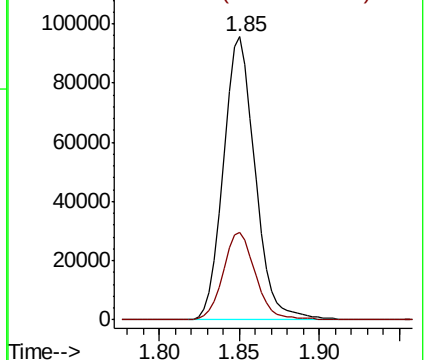
85 100

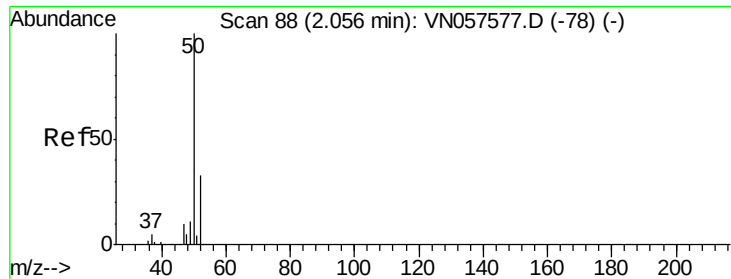
87 31.1 15.0 45.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.876 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

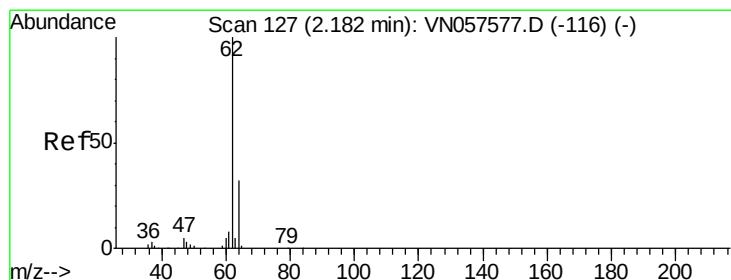
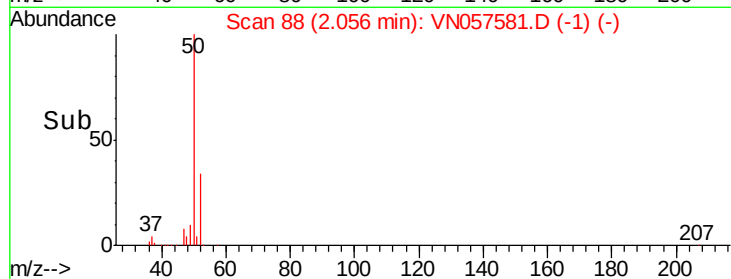
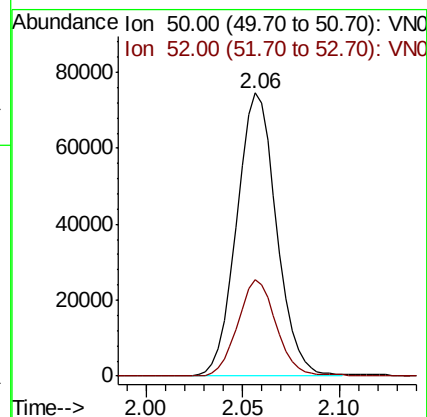
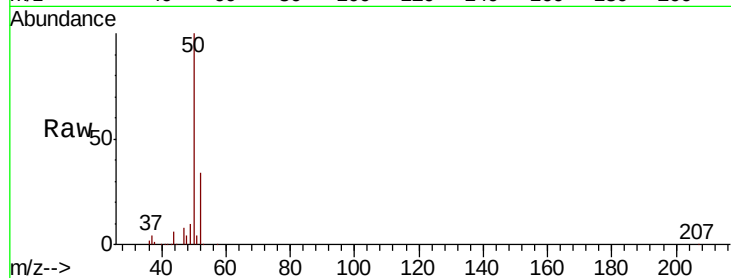
ICVVN083019

Tgt Ion: 50 Resp: 106536

Ion Ratio Lower Upper

50 100

52 34.1 26.2 39.2



#4

Vinyl Chloride

Concen: 20.784 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057581.D

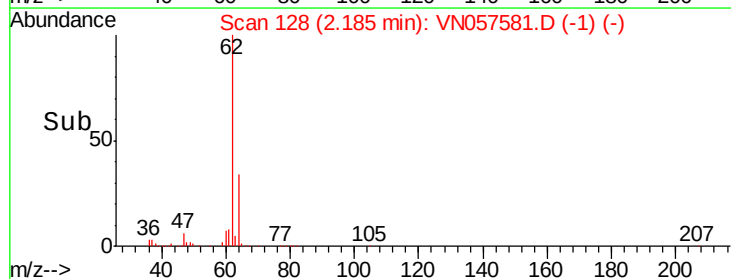
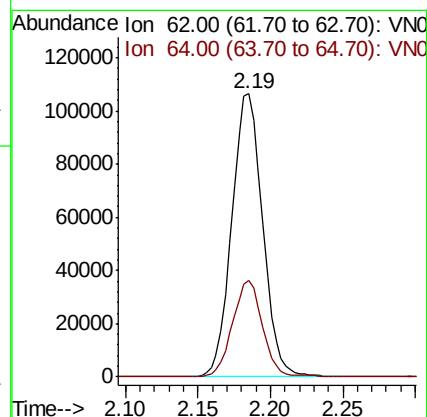
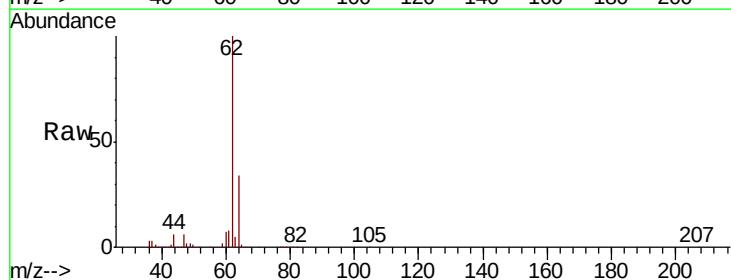
Acq: 30 Aug 2019 11:15

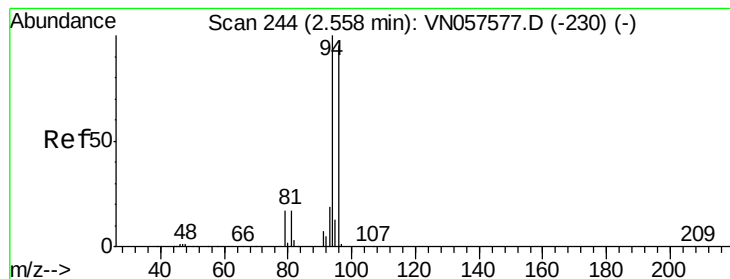
Tgt Ion: 62 Resp: 157035

Ion Ratio Lower Upper

62 100

64 34.2 25.9 38.9





#5

Bromomethane

Concen: 21.565 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

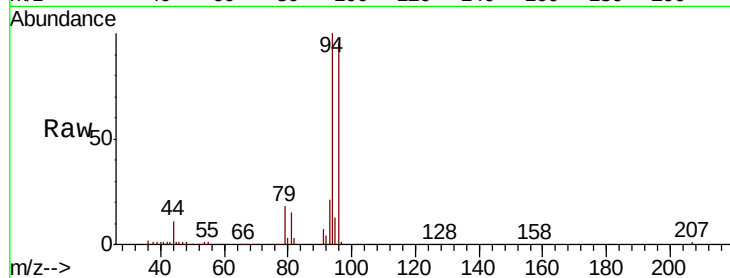
ICVFN083019

Tgt Ion: 94 Resp: 149678

Ion Ratio Lower Upper

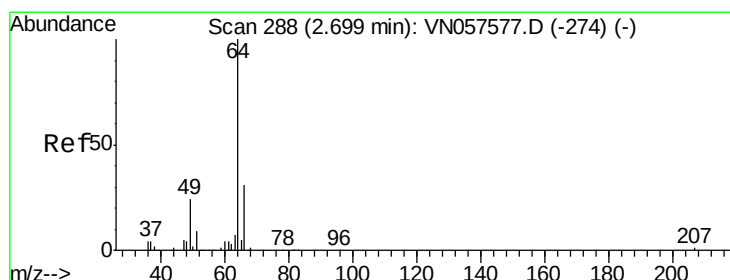
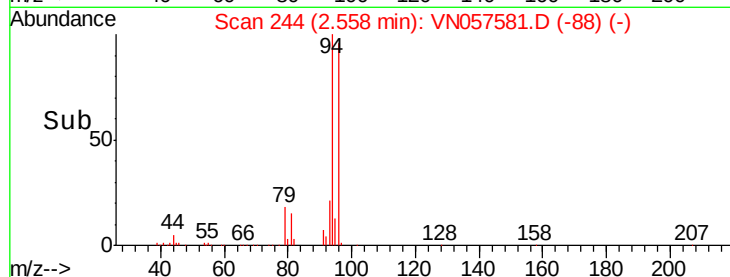
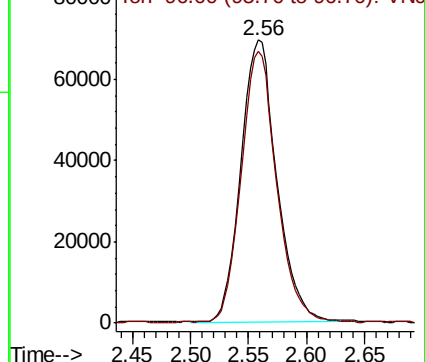
94 100

96 95.8 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.328 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057581.D

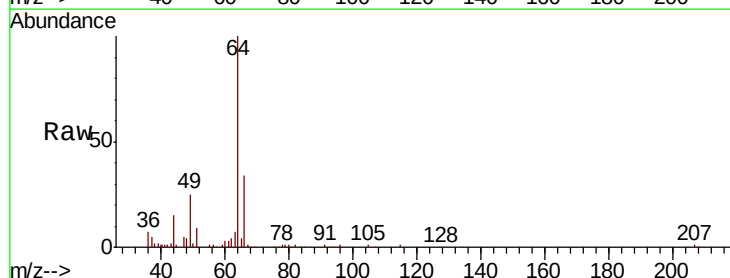
Acq: 30 Aug 2019 11:15

Tgt Ion: 64 Resp: 98846

Ion Ratio Lower Upper

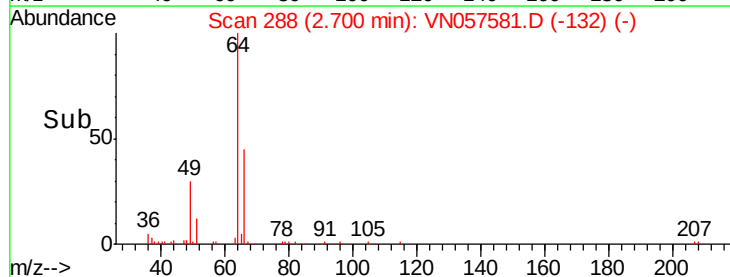
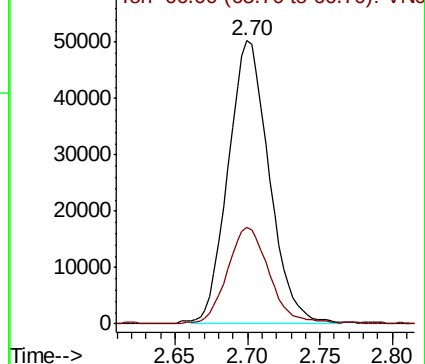
64 100

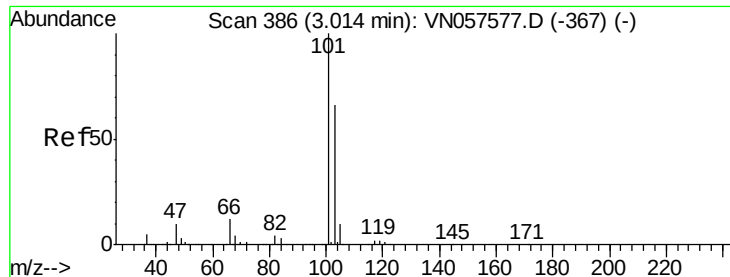
66 34.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



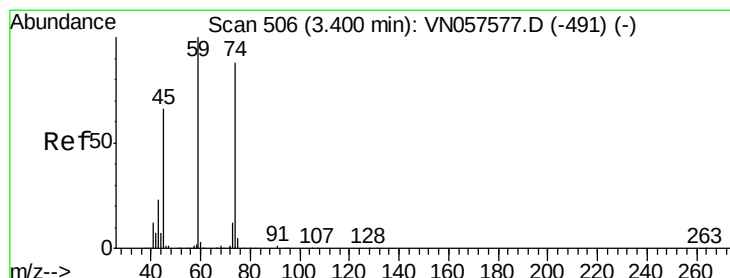
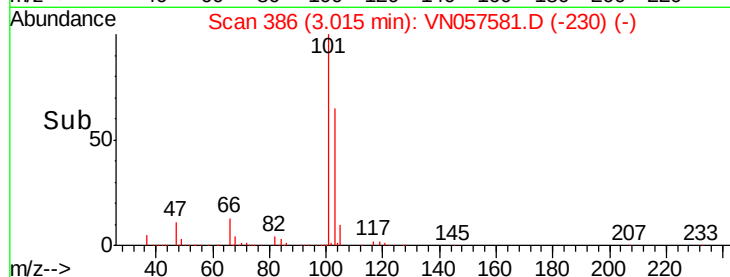
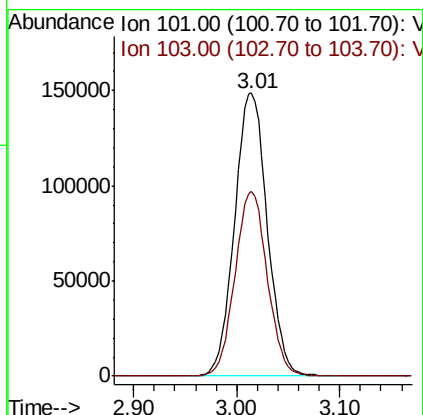
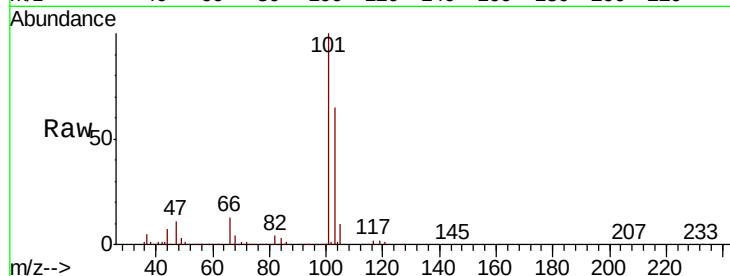


#7

Trichlorofluoromethane
 Concen: 19.646 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057581.D
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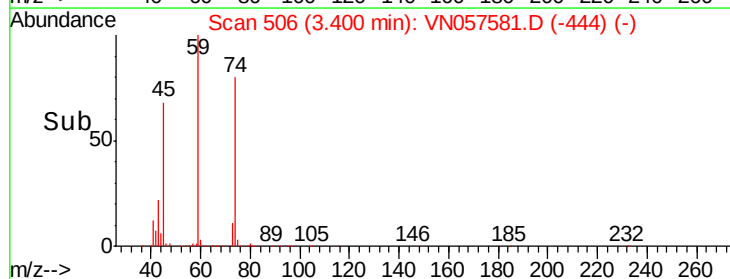
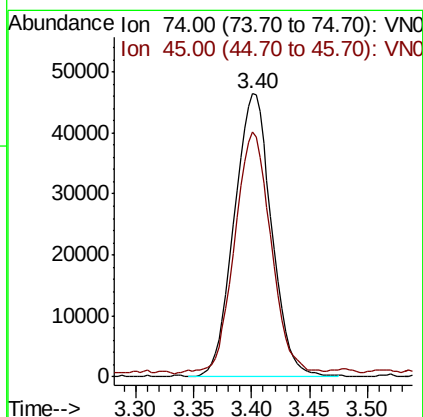
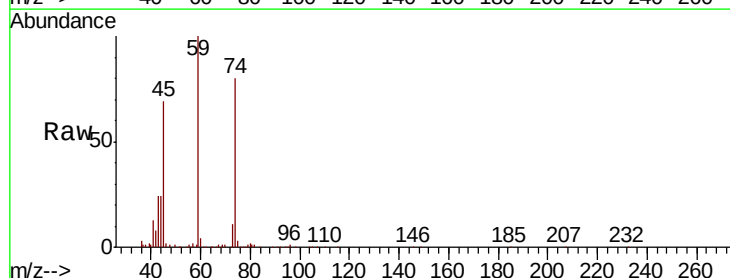
Tgt Ion:101 Resp: 327991
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.4 78.6

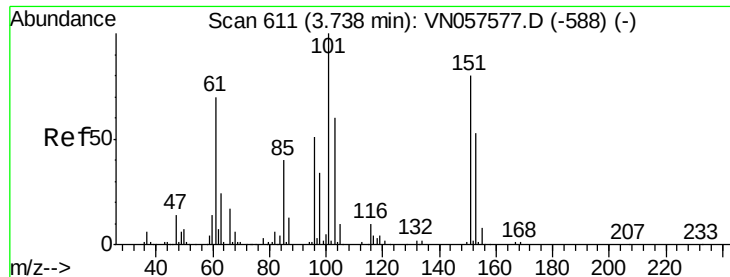


#8

Diethyl Ether
 Concen: 19.343 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 74 Resp: 103892
 Ion Ratio Lower Upper
 74 100
 45 83.4 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.700 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

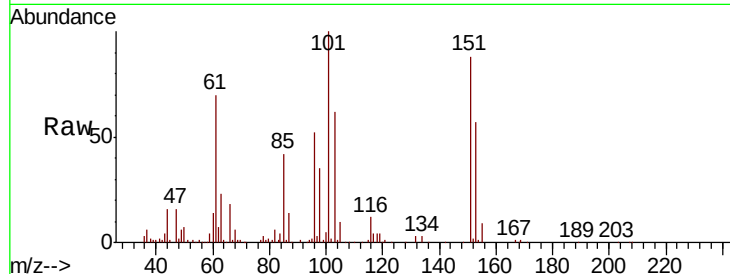
Tgt Ion: 101 Resp: 196847

Ion Ratio Lower Upper

101 100

85 41.9 0.0 83.2

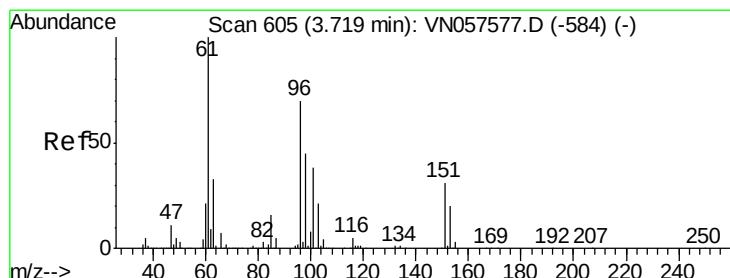
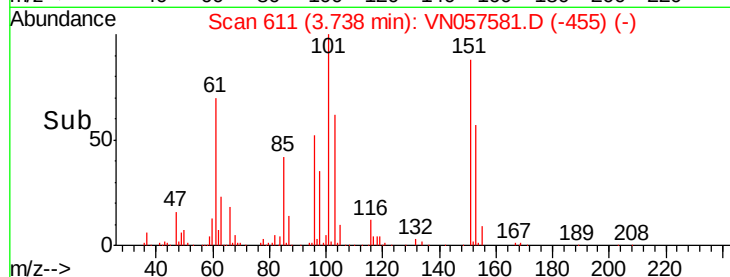
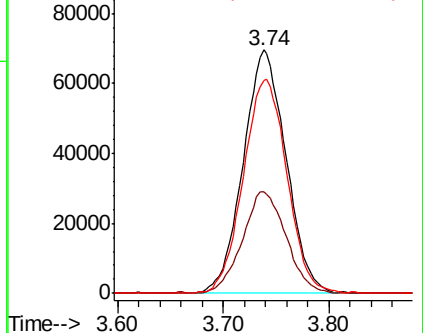
151 89.5 0.0 166.6



Abundance Ion 101.00 (100.70 to 101.70): VN057577.D (-588) (-)

Ion 85.00 (84.70 to 85.70): VN057577.D (-588) (-)

Ion 151.00 (150.70 to 151.70): VN057577.D (-588) (-)



#10

1,1-Dichloroethene

Concen: 19.329 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

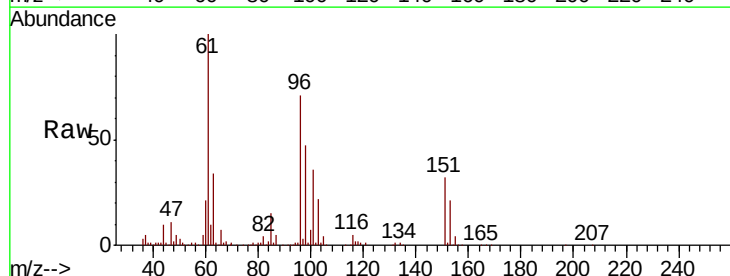
Tgt Ion: 96 Resp: 177427

Ion Ratio Lower Upper

96 100

61 141.9 114.2 171.4

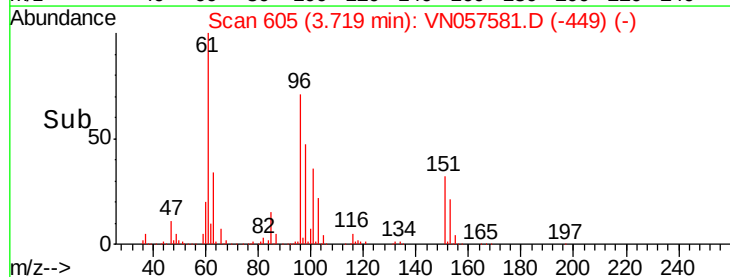
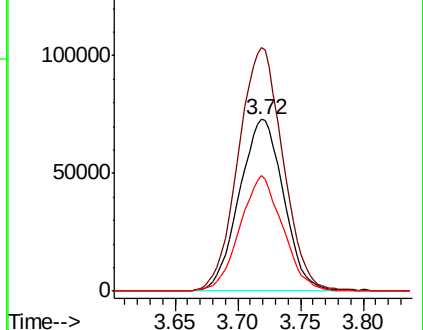
98 67.1 51.8 77.6

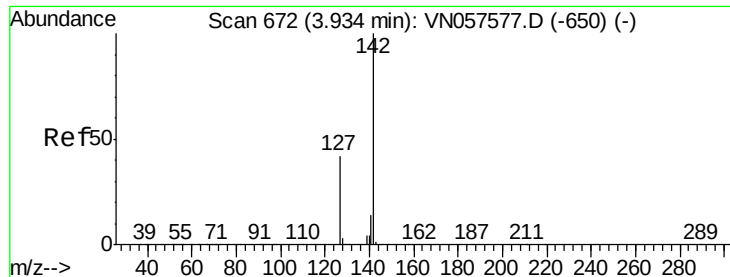


Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-584) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-584) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-584) (-)

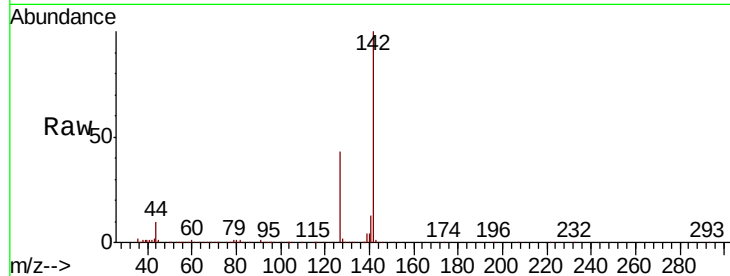




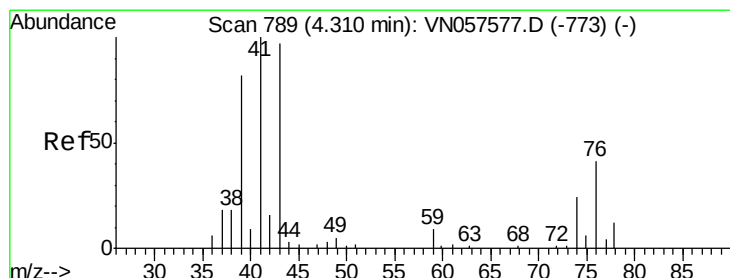
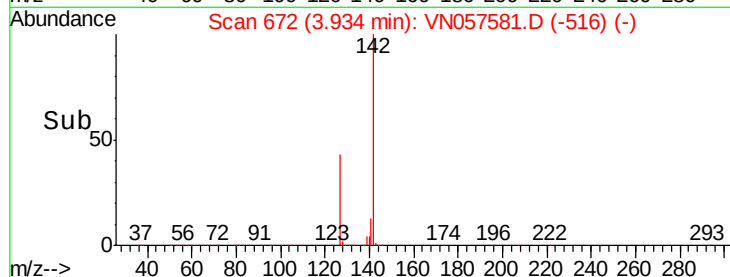
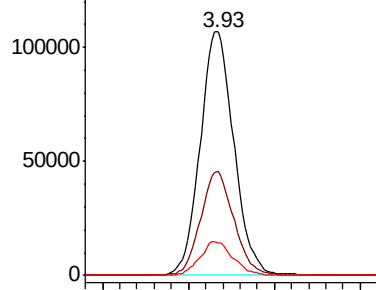
#11
Methyl Iodide
Concen: 18.313 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Instrument :
MSVOA_N
ClientSampled :
ICVVN083019

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	20.8	62.4
141	13.4	6.8	20.4

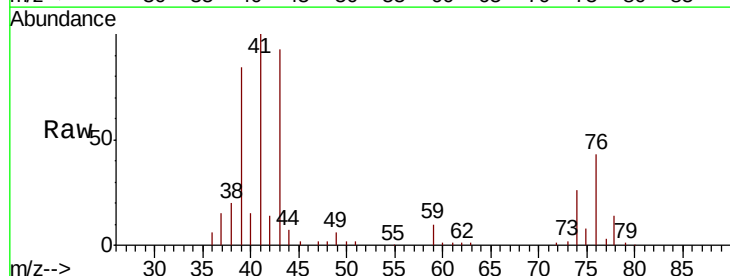


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

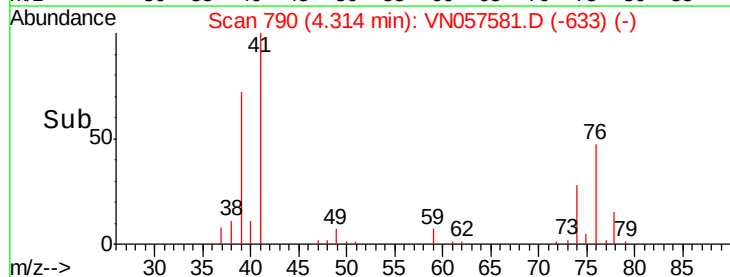
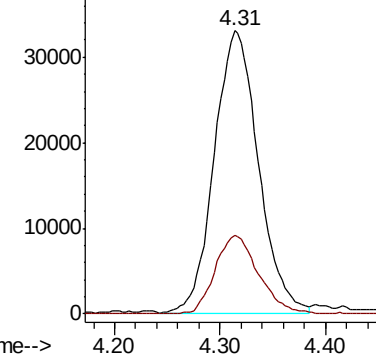


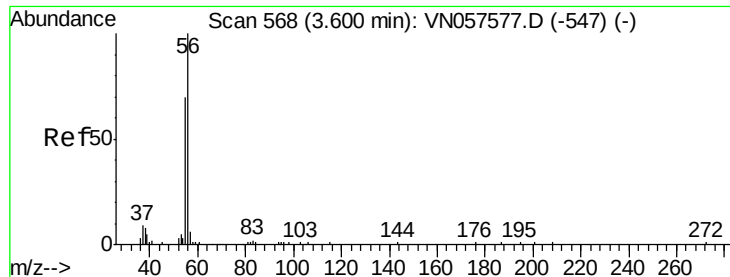
#12
Methyl Acetate
Concen: 19.541 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	19.6	29.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 92.186 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampled :

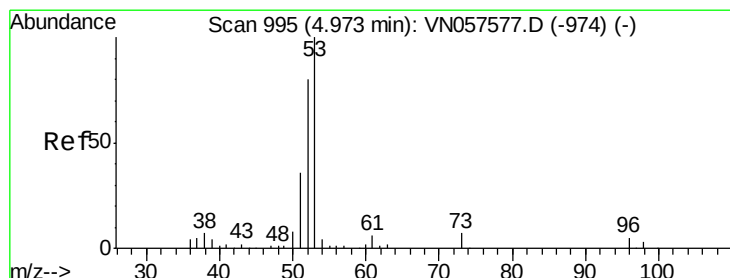
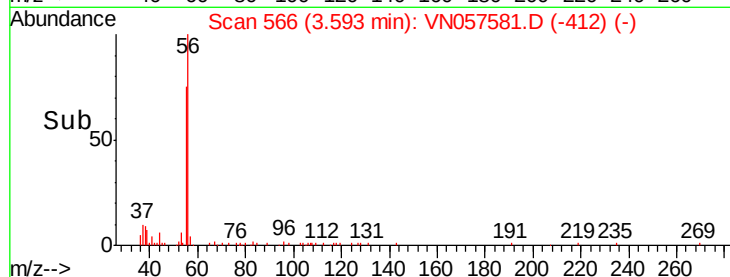
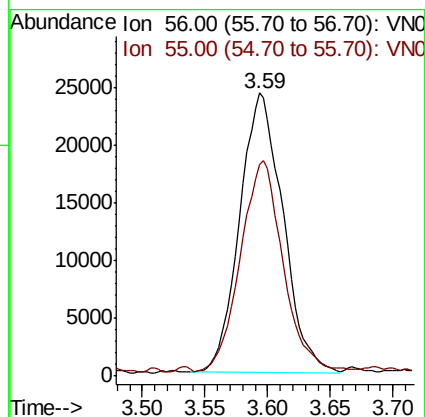
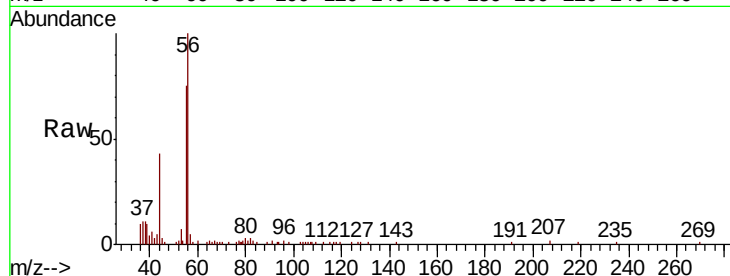
ICV083019

Tgt Ion: 56 Resp: 58141

Ion Ratio Lower Upper

56 100

55 73.9 54.5 81.7



#14

Acrylonitrile

Concen: 100.489 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

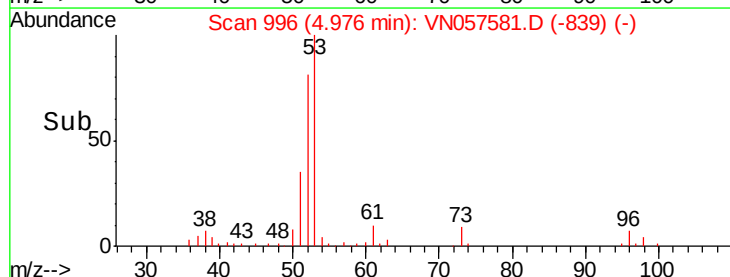
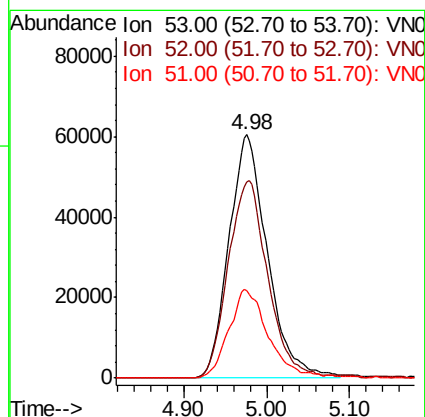
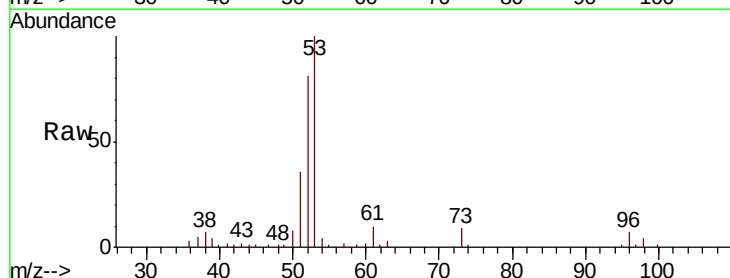
Tgt Ion: 53 Resp: 195408

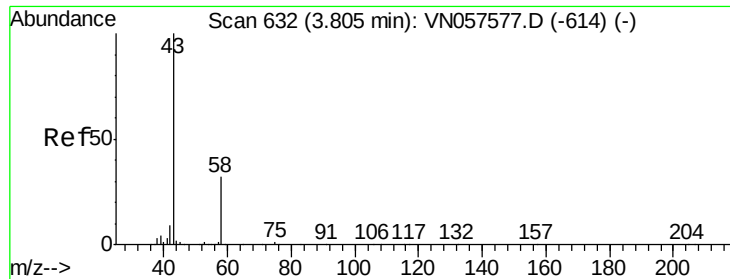
Ion Ratio Lower Upper

53 100

52 83.2 40.6 122.0

51 37.1 8.3 24.9#





#15

Acetone

Concen: 97.752 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

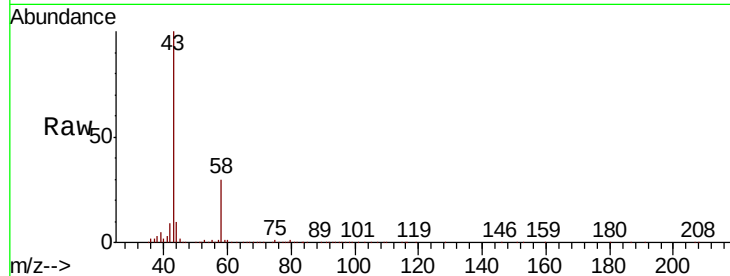
ICVFN083019

Tgt Ion: 58 Resp: 102593

Ion Ratio Lower Upper

58 100

43 328.5 252.8 379.2



Abundance Ion 58.00 (57.70 to 58.70): VN057577.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057577.D (-614) (-)

150000

100000

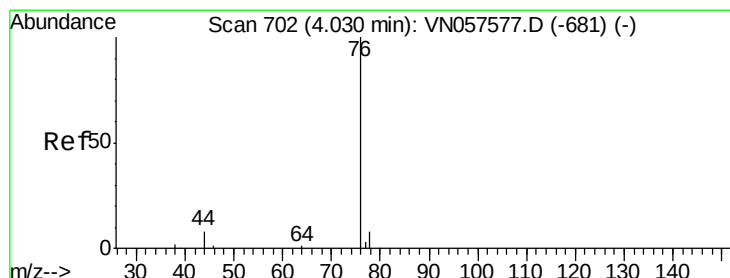
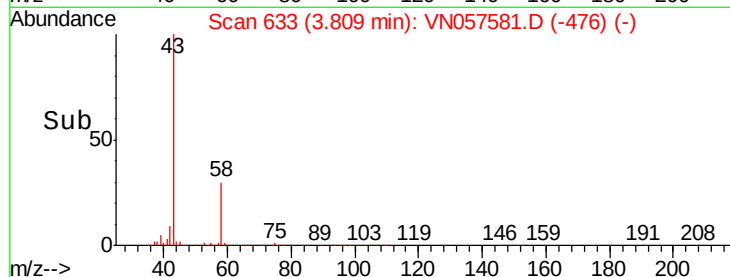
50000

0

3.70 3.75 3.80 3.85 3.90

3.81

Time-->



#16

Carbon Disulfide

Concen: 22.422 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057581.D

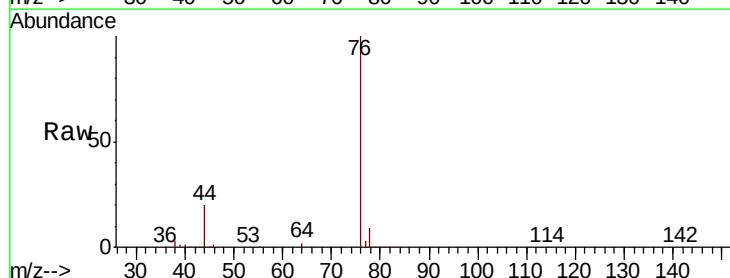
Acq: 30 Aug 2019 11:15

Tgt Ion: 76 Resp: 214736

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN057577.D (-681) (-)

Ion 78.00 (77.70 to 78.70): VN057577.D (-681) (-)

80000

60000

40000

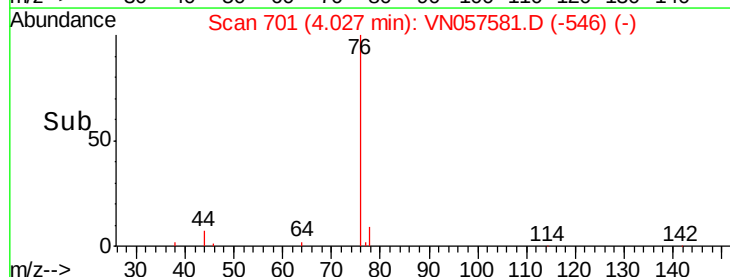
20000

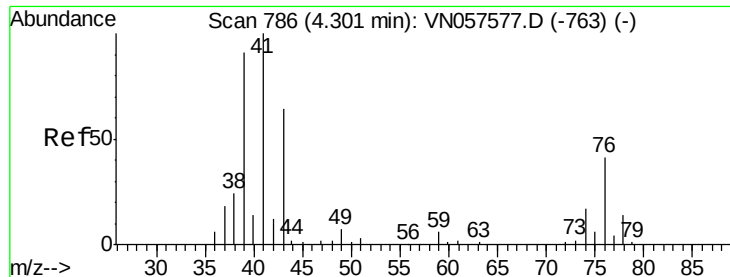
0

3.90 4.00 4.10

4.03

Time-->





#17

Allyl chloride

Concen: 20.392 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

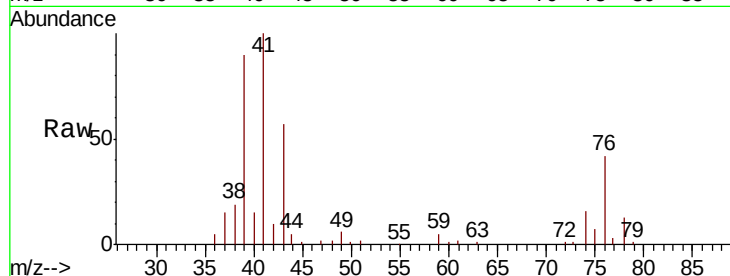
Tgt Ion: 41 Resp: 133558

Ion Ratio Lower Upper

41 100

39 90.0 44.6 134.0

76 42.3 19.8 59.3

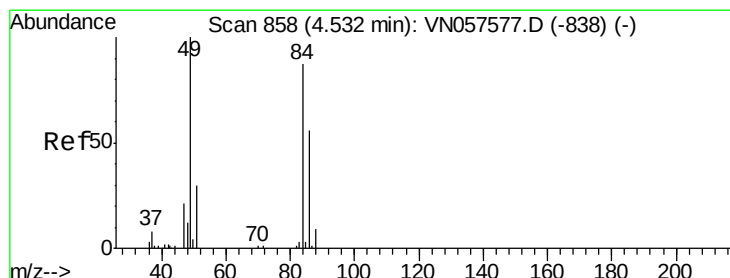
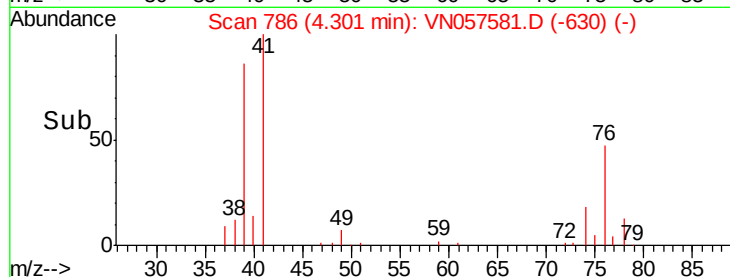
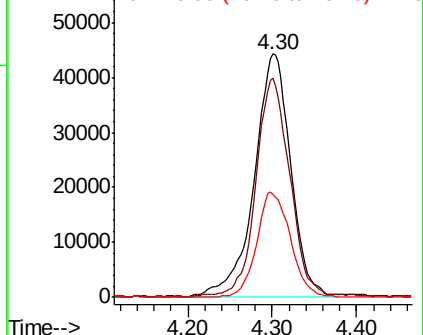


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 21.023 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Tgt Ion: 84 Resp: 110871

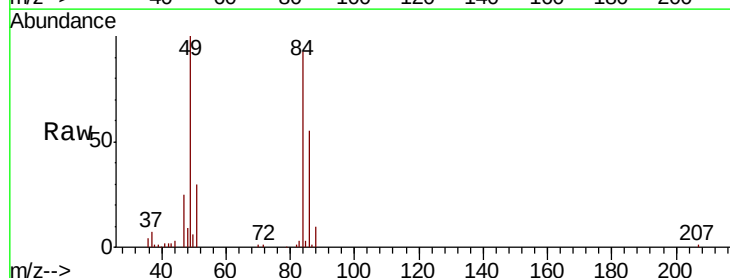
Ion Ratio Lower Upper

84 100

49 107.9 92.4 138.6

51 31.9 27.9 41.9

86 59.0 52.2 78.2



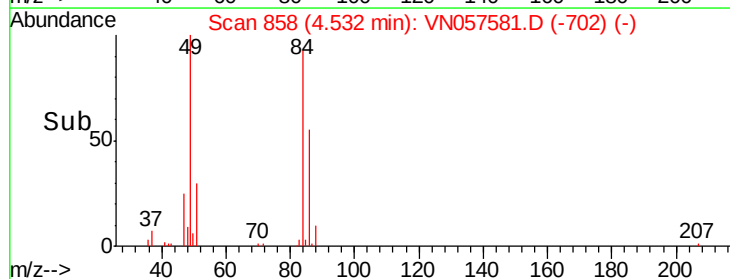
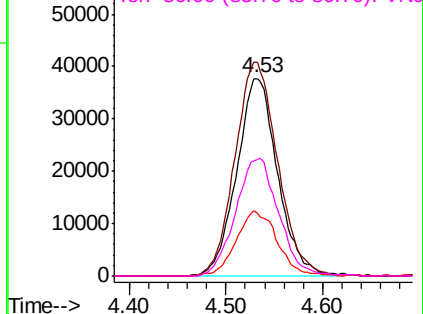
Abundance

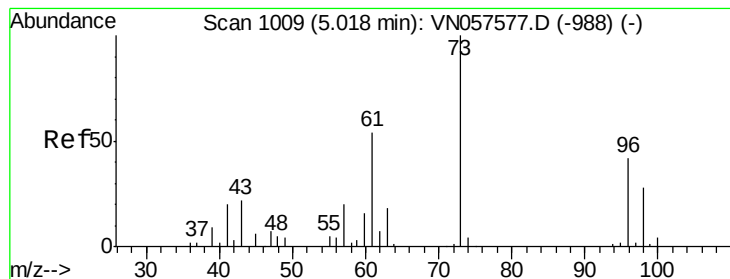
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 20.896 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

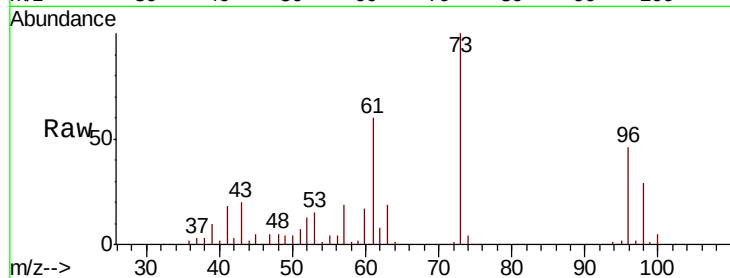
Tgt Ion: 96 Resp: 109539

Ion Ratio Lower Upper

96 100

61 130.9 102.6 153.8

98 63.3 52.6 79.0

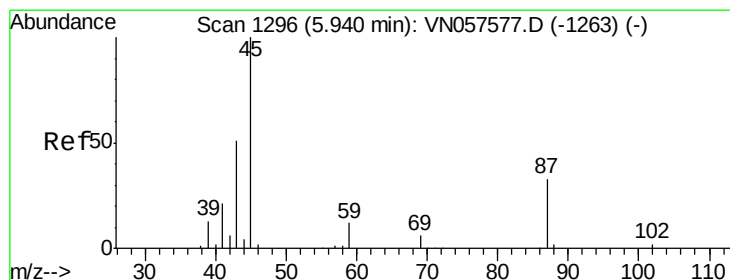
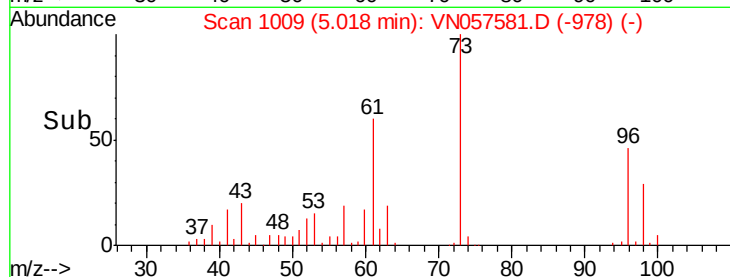
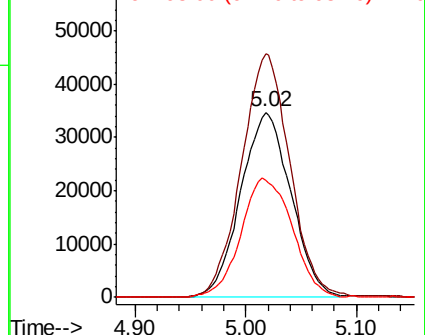


Abundance

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: 19.554 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Tgt Ion: 45 Resp: 305828

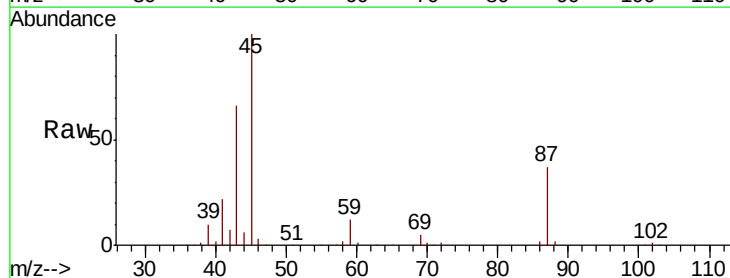
Ion Ratio Lower Upper

45 100

43 64.4 51.9 77.9

87 37.1 27.3 40.9

59 11.8 9.6 14.4



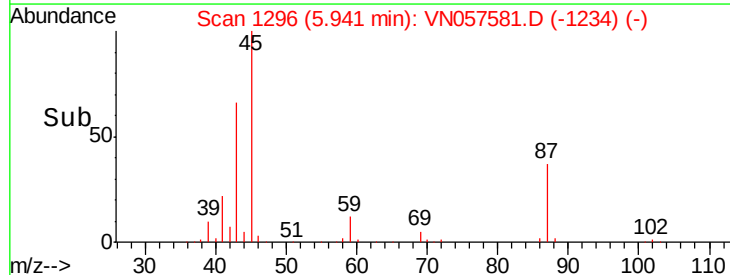
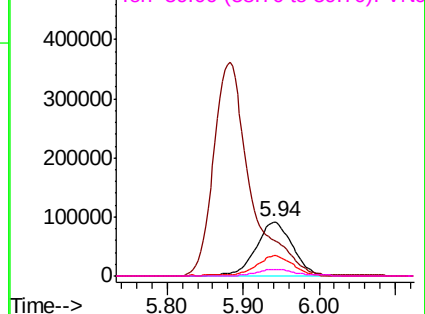
Abundance

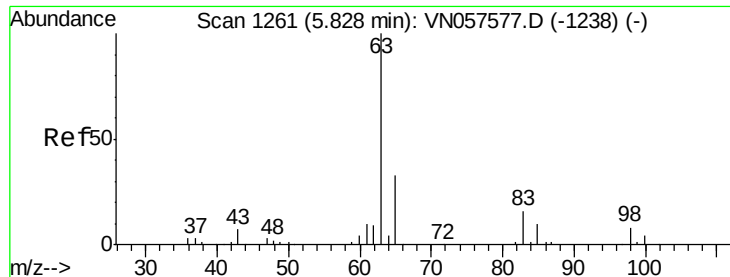
Ion 45.00 (44.70 to 45.70): VN0

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

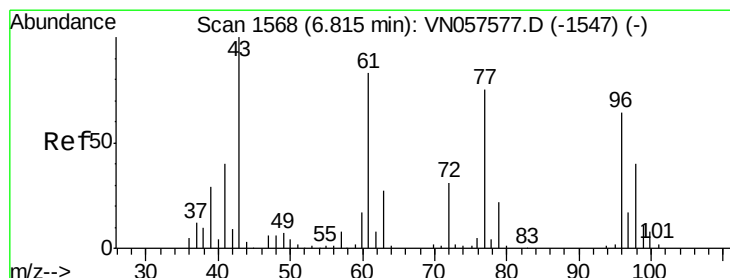
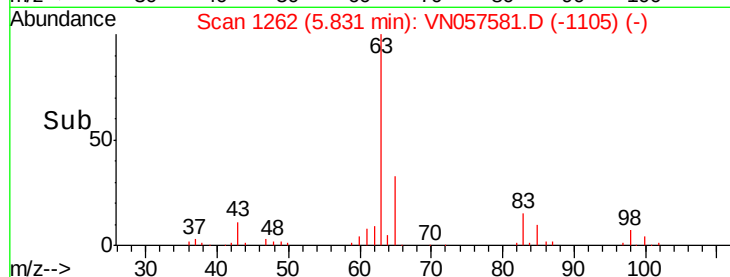
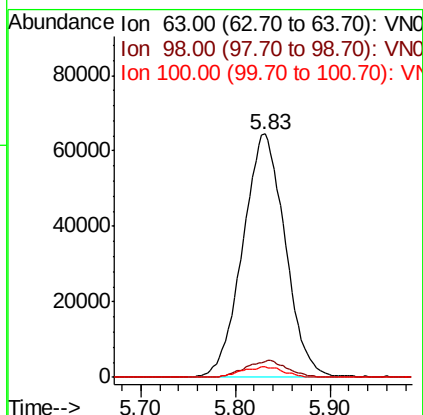
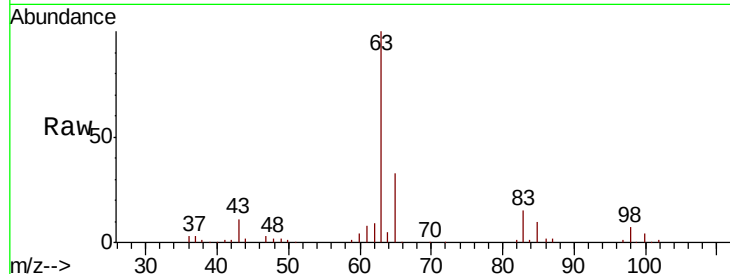




#21
1,1-Dichloroethane
Concen: 20.330 ug/l
RT: 5.83 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

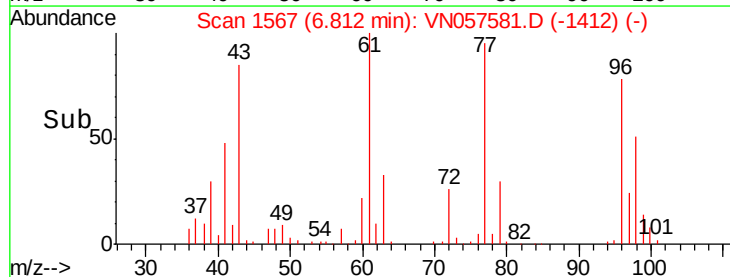
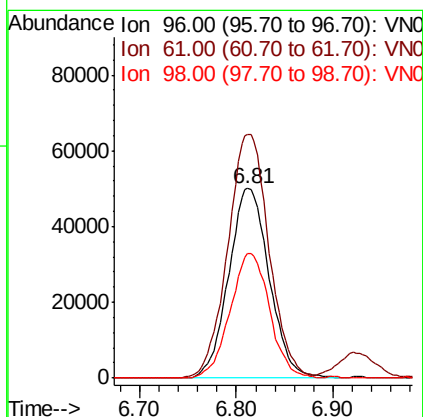
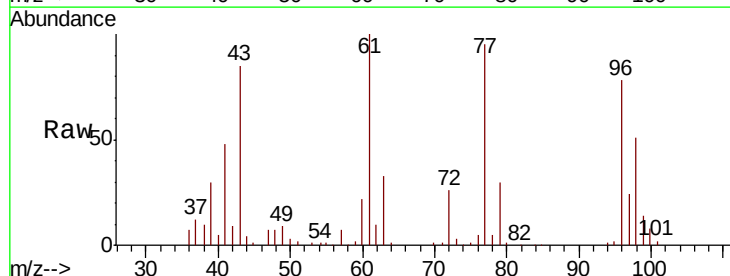
Instrument :
MSVOA_N
ClientSampleId :
ICVVN083019

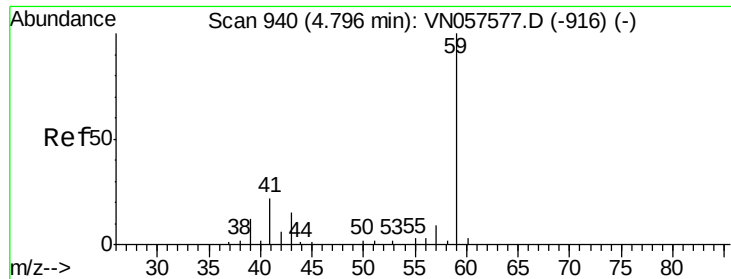
Tgt Ion:	63	Resp:	200753
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	4.2	2.0	6.0



#22
cis-1,2-Dichloroethene
Concen: 20.839 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion:	96	Resp:	145581
Ion	Ratio	Lower	Upper
96	100		
61	130.7	110.5	165.7
98	64.1	51.1	76.7



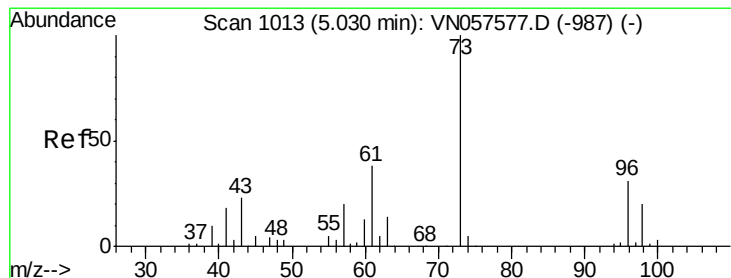
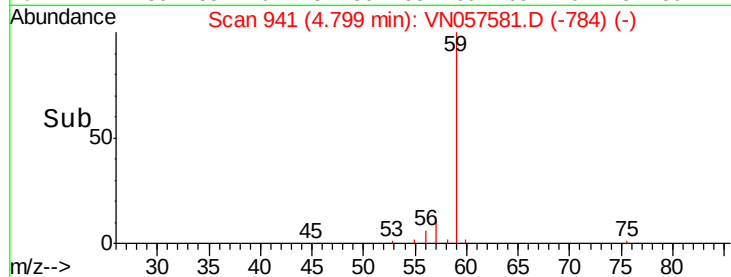
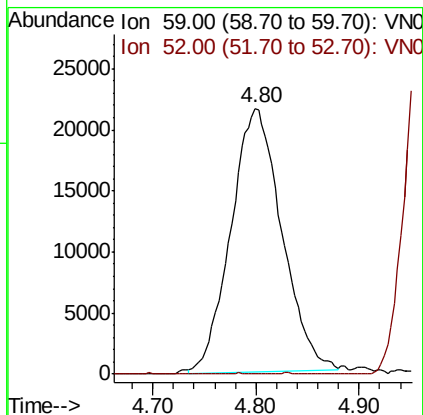
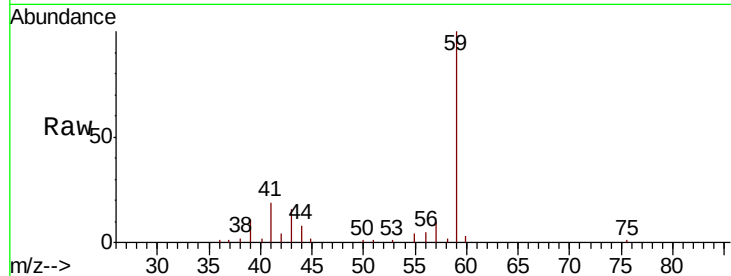


#23

tert-Butyl Alcohol
 Concen: 102.747 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN083019

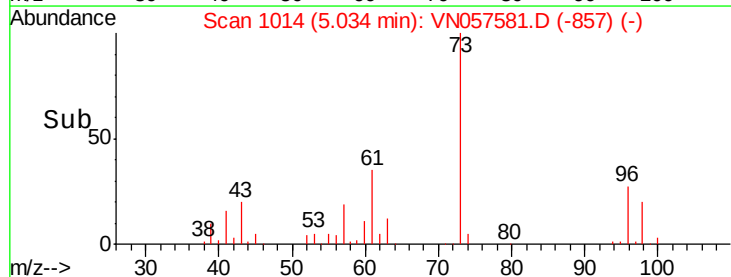
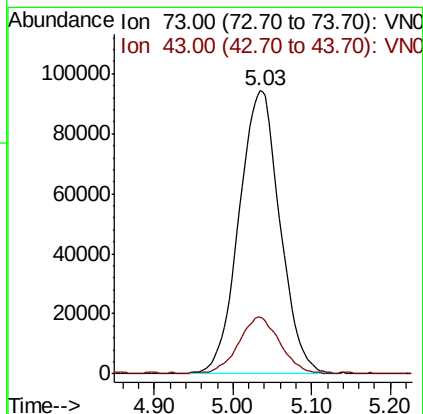
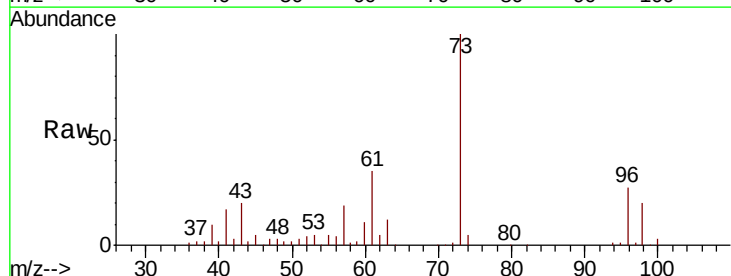
Tgt Ion: 59 Resp: 74096
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

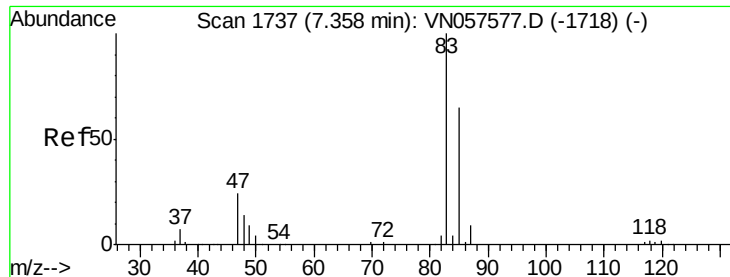


#24

Methyl tert-Butyl Ether
 Concen: 20.482 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 73 Resp: 345986
 Ion Ratio Lower Upper
 73 100
 43 19.7 18.4 27.6

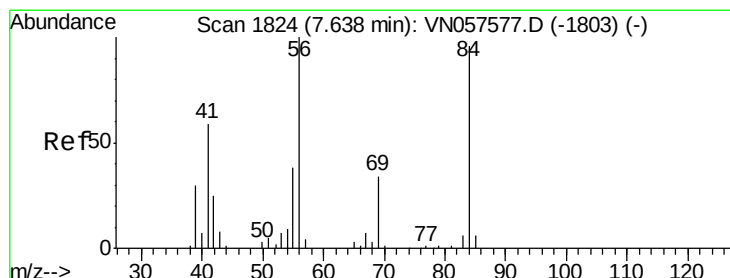
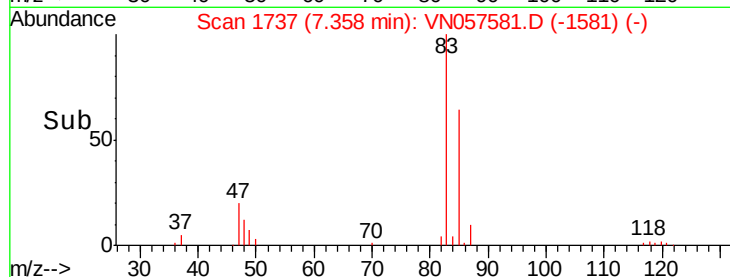
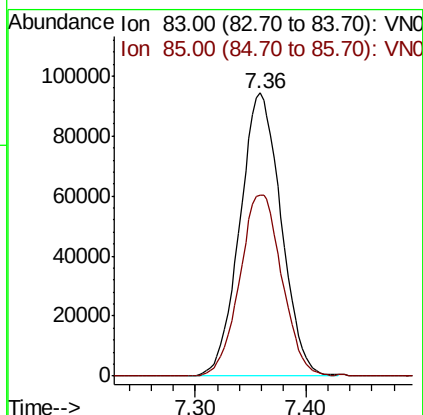
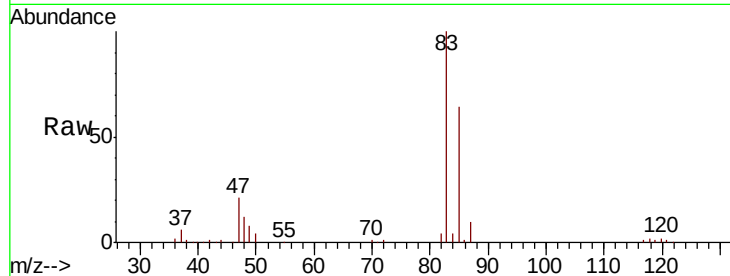




#25
Chloroform
Concen: 20.335 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

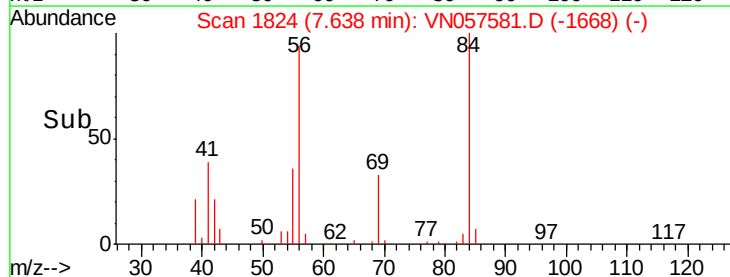
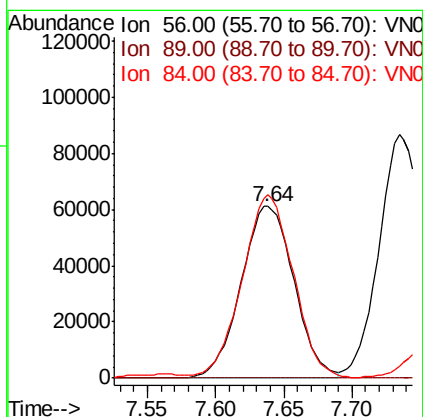
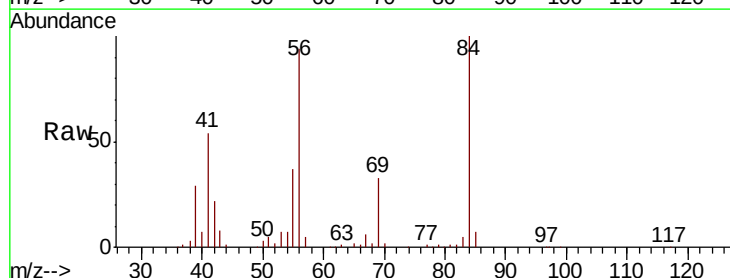
Instrument :
MSVOA_N
ClientSampleId :
ICVVN083019

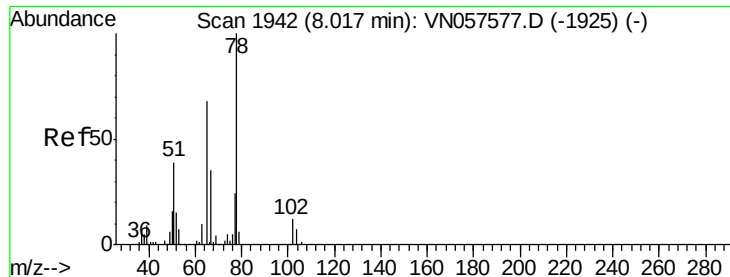
Tgt Ion: 83 Resp: 243985
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.6



#26
Cyclohexane
Concen: 19.868 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion: 56 Resp: 163597
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 103.6 75.9 113.9

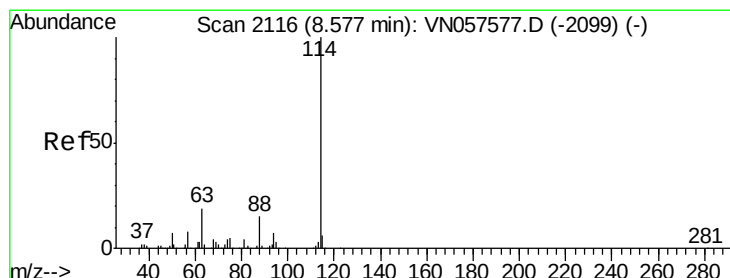
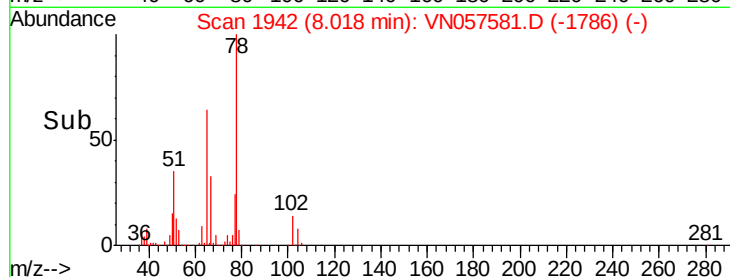
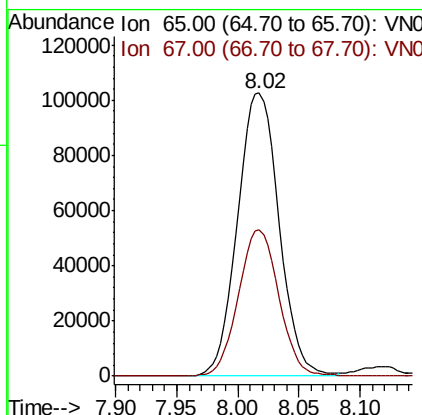
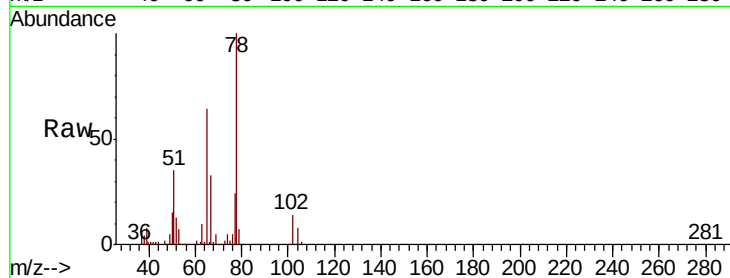




#27
 1,2-Dichloroethane-d4
 Concen: 30.310 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

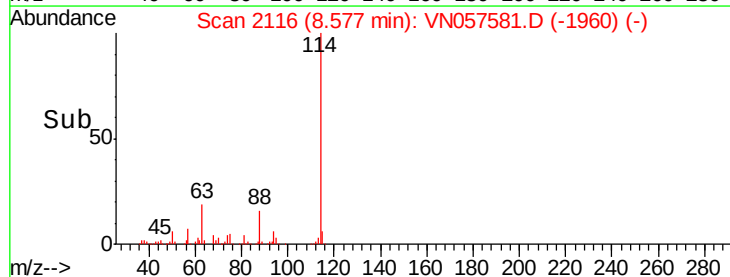
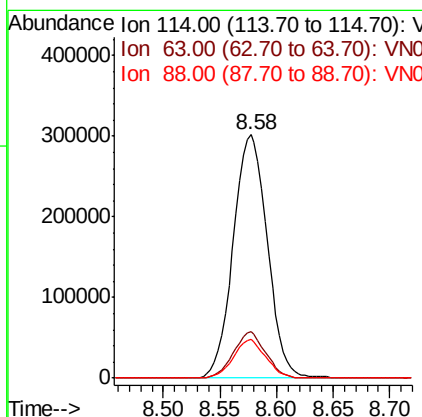
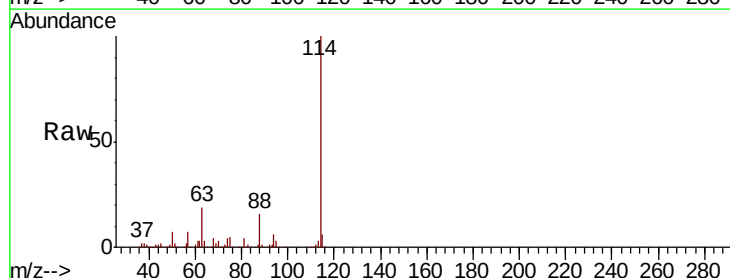
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

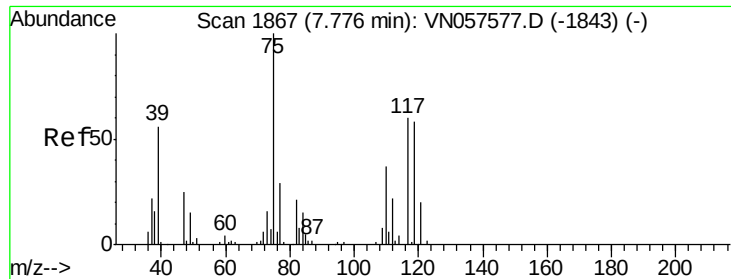
Tgt Ion: 65 Resp: 241689
 Ion Ratio Lower Upper
 65 100
 67 50.4 39.8 59.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 114 Resp: 634209
 Ion Ratio Lower Upper
 114 100
 63 18.0 15.4 23.0
 88 15.1 11.8 17.8

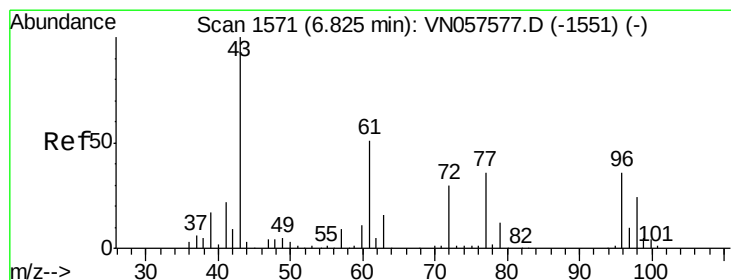
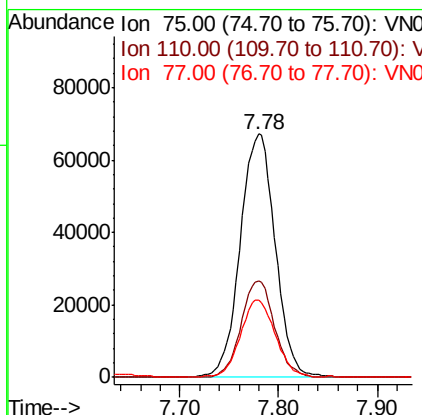
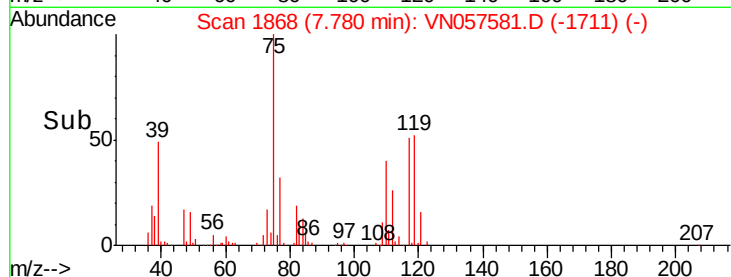
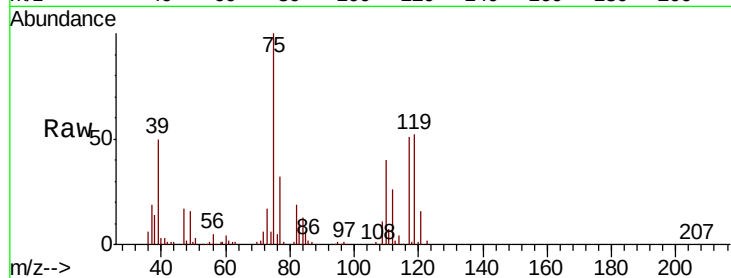




#29
 1,1-Dichloropropene
 Concen: 19.247 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

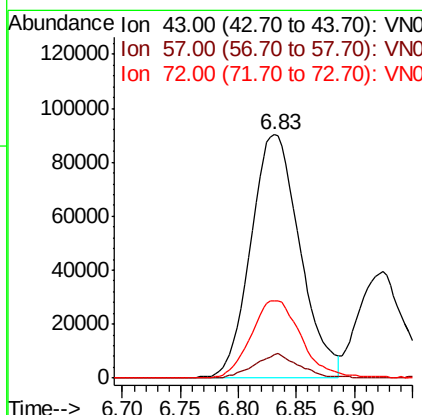
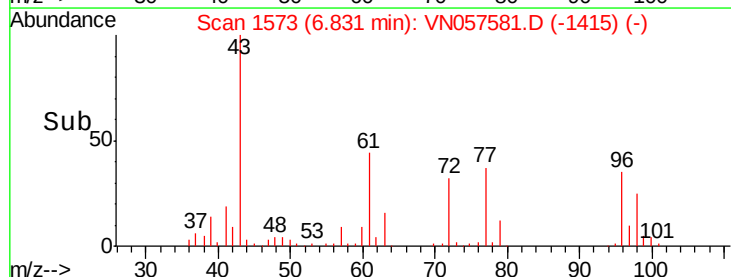
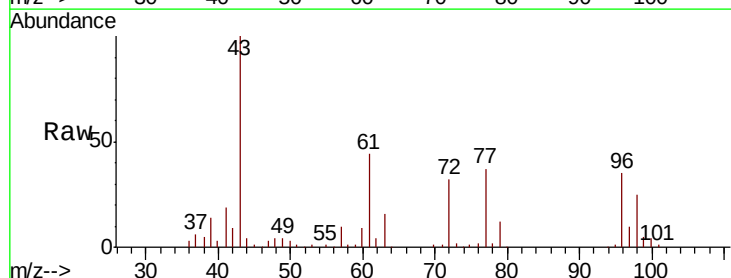
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

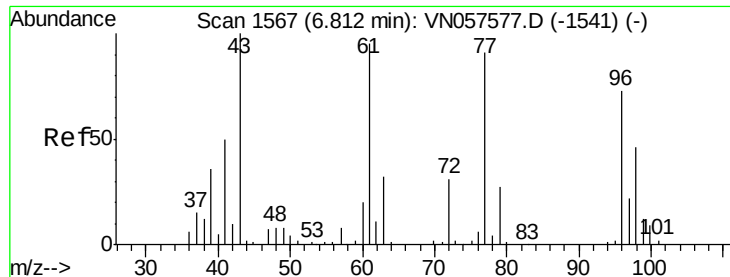
Tgt Ion: 75 Resp: 165198
 Ion Ratio Lower Upper
 75 100
 110 37.8 0.0 75.4
 77 31.7 0.0 61.0



#30
 2-Butanone
 Concen: 95.207 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 43 Resp: 265035
 Ion Ratio Lower Upper
 43 100
 57 9.2 3.5 5.3#
 72 33.0 24.6 36.8

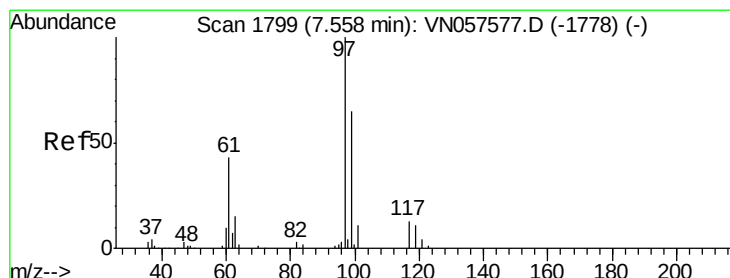
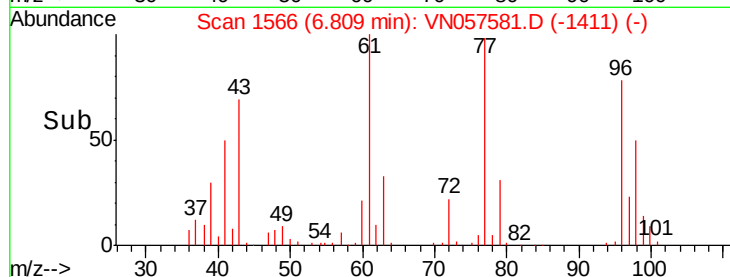
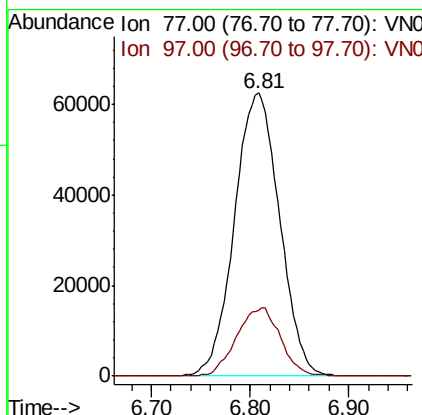
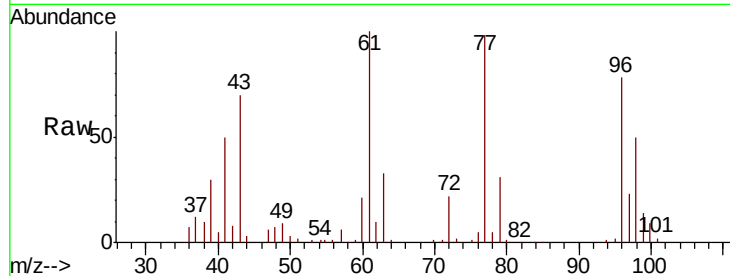




#31
 2,2-Dichloropropane
 Concen: 19.299 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

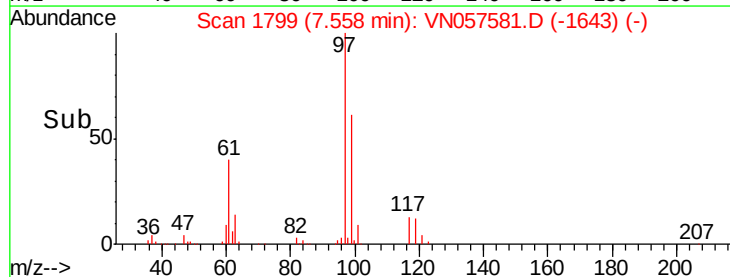
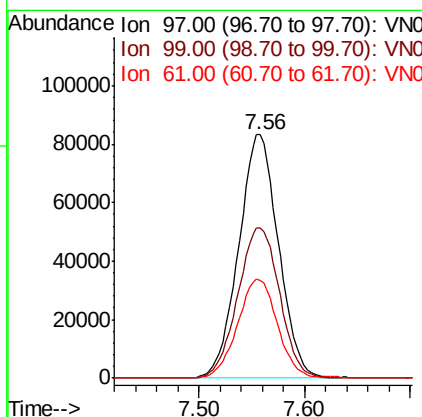
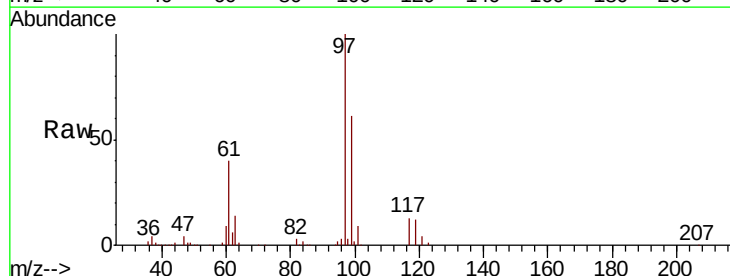
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

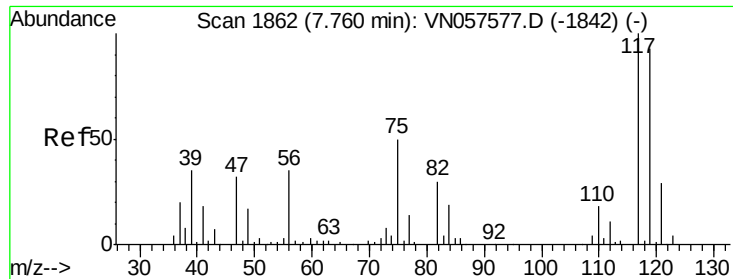
Tgt Ion: 77 Resp: 198156
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 18.990 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 97 Resp: 218525
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 40.7 34.4 51.6





#33

Carbon Tetrachloride

Concen: 18.966 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

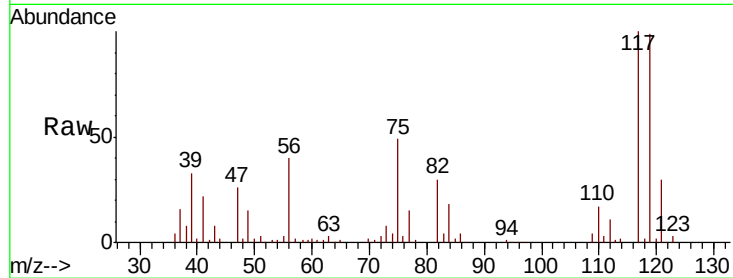
Tgt Ion: 117 Resp: 185172

Ion Ratio Lower Upper

117 100

119 99.1 74.6 111.8

121 30.1 23.5 35.3

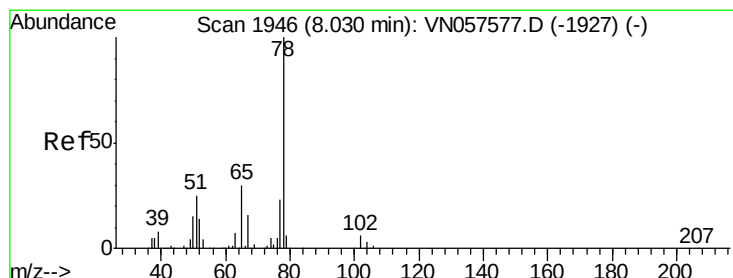
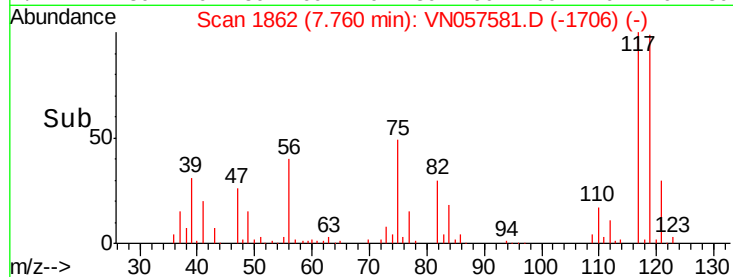
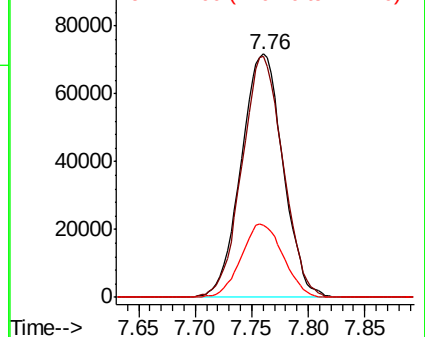


Abundance

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: 19.399 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

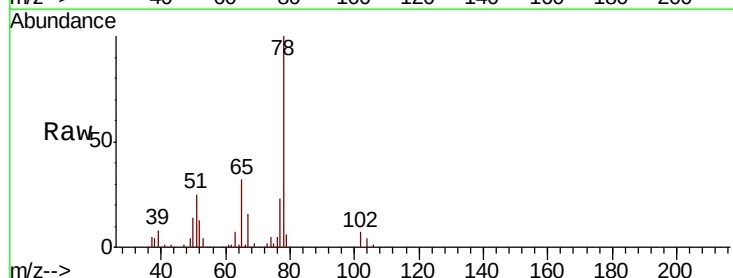
Tgt Ion: 78 Resp: 499186

Ion Ratio Lower Upper

78 100

77 23.3 18.2 27.4

51 24.5 20.2 30.4

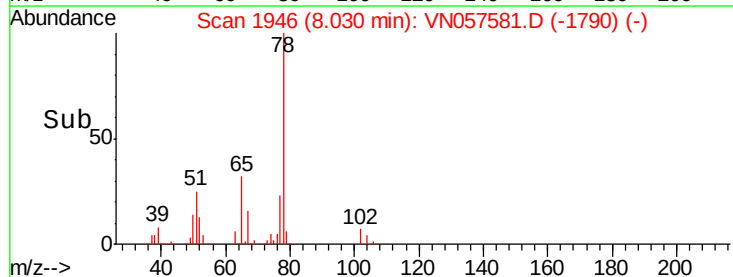
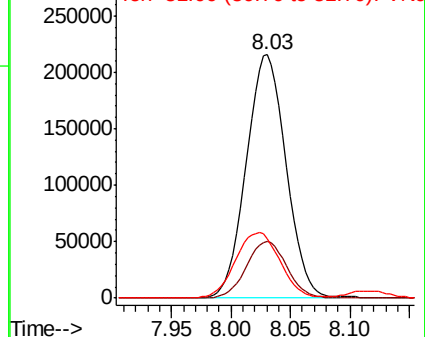


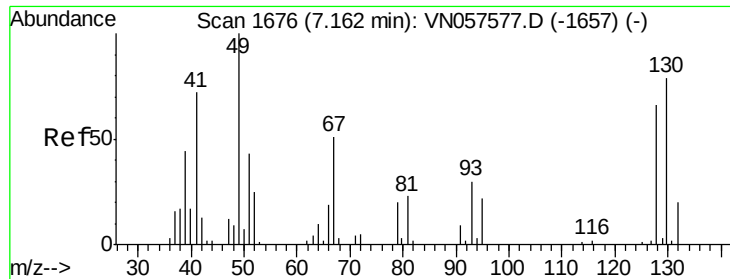
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

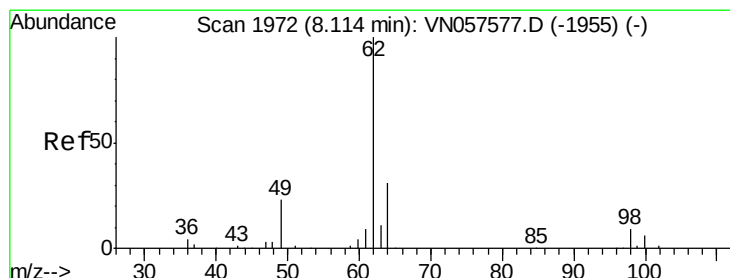
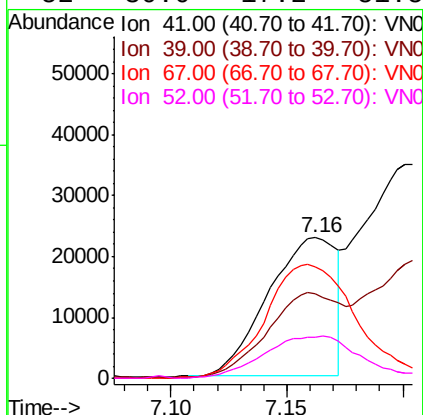
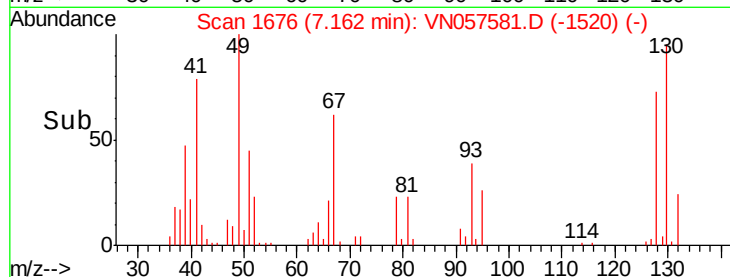
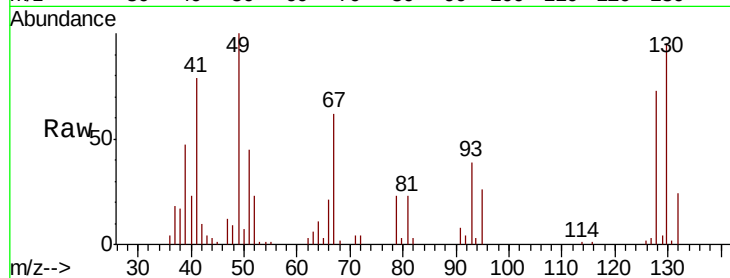




#35
Methacrylonitrile
Concen: 16.988 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

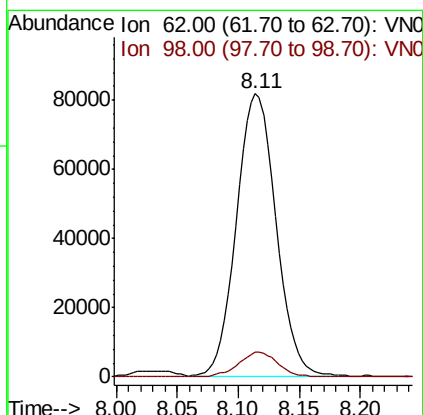
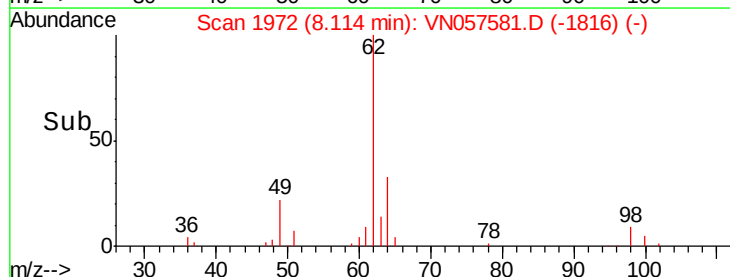
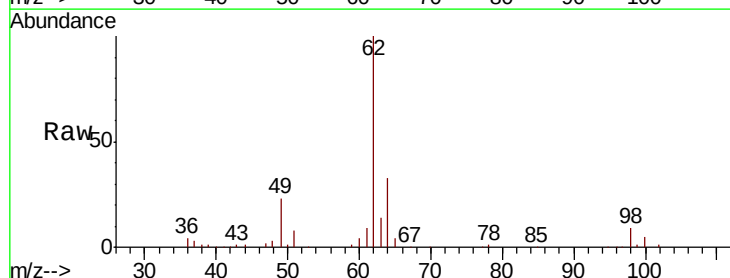
Instrument :
MSVOA_N
ClientSampled :
ICVVN083019

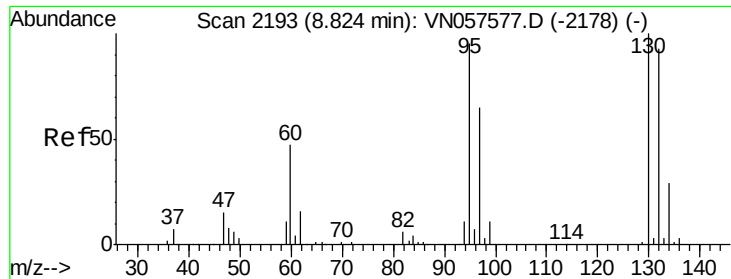
Tgt Ion: 41 Resp: 46807
Ion Ratio Lower Upper
41 100
39 57.7 30.4 91.2
67 79.6 35.6 106.8
52 30.0 17.2 51.5



#36
1,2-Dichloroethane
Concen: 19.235 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion: 62 Resp: 182620
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#37

Trichloroethene

Concen: 19.998 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

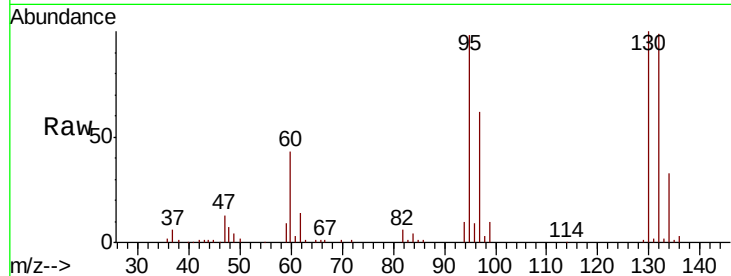
ICVVN083019

Tgt Ion:130 Resp: 149041

Ion Ratio Lower Upper

130 100

95 97.9 76.2 114.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

8.83

80000

60000

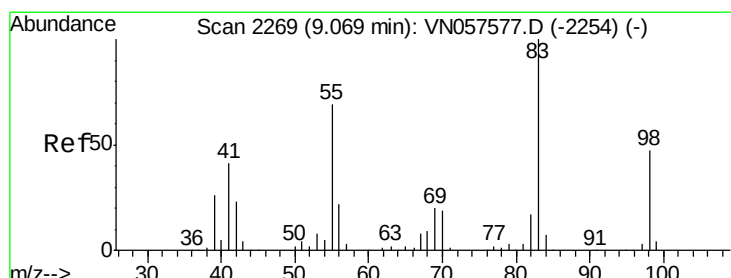
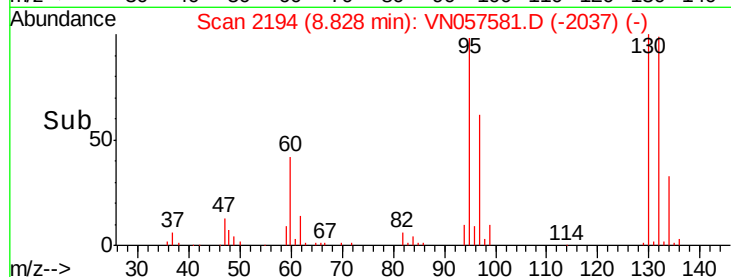
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.834 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

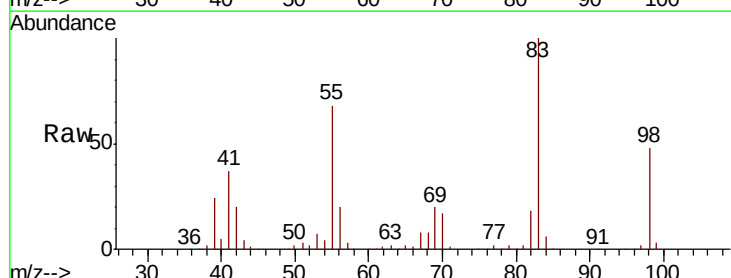
Tgt Ion: 83 Resp: 207347

Ion Ratio Lower Upper

83 100

55 67.0 34.5 103.6

98 47.4 23.4 70.3



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

9.07

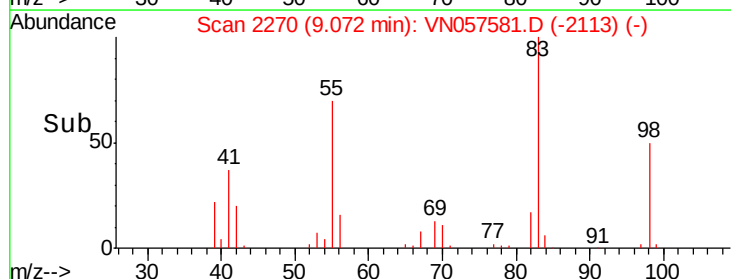
100000

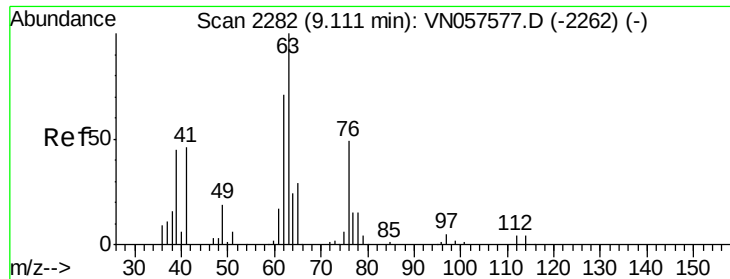
50000

0

9.00 9.05 9.10 9.15

Time-->

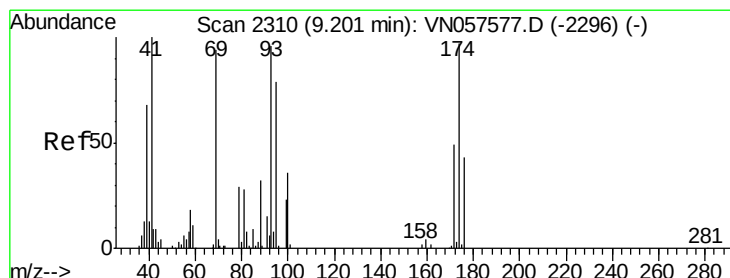
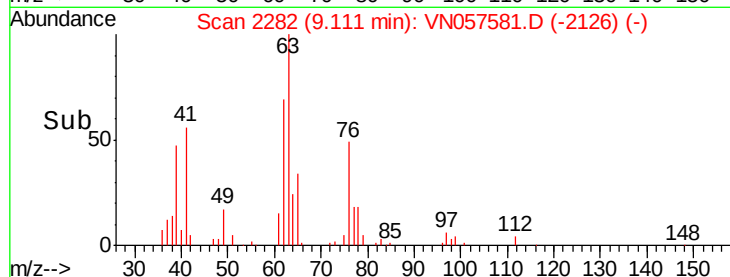
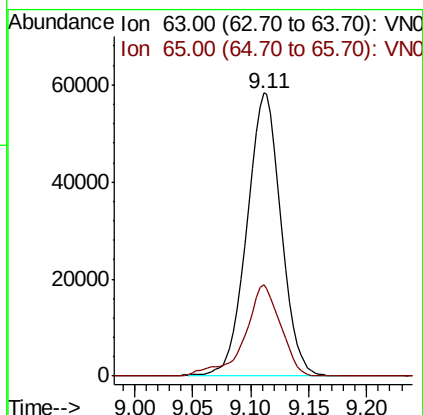
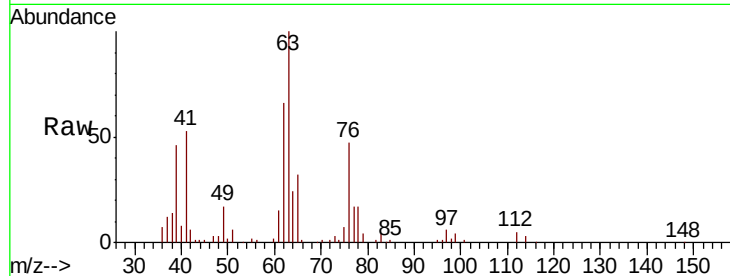




#39
 1,2-Dichloropropane
 Concen: 19.035 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

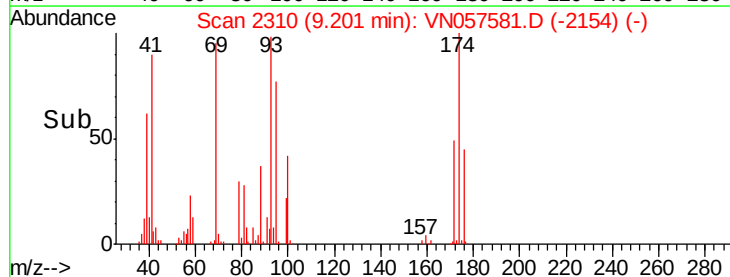
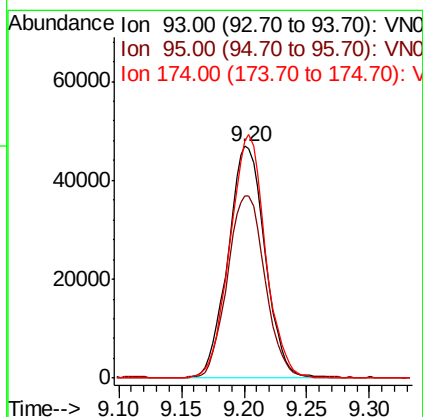
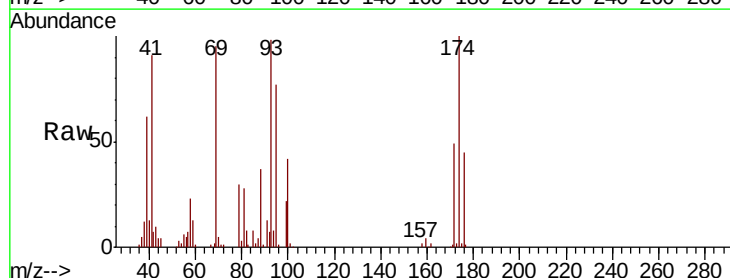
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

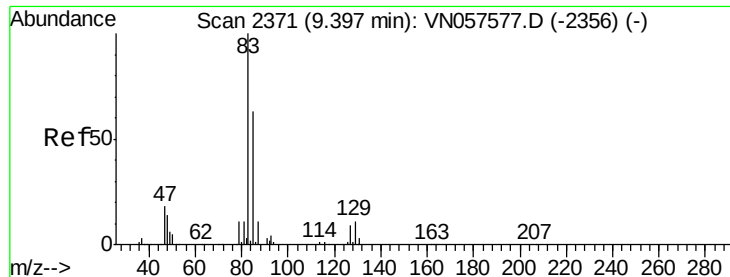
Tgt Ion: 63 Resp: 119852
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.2 36.2



#40
 Dibromomethane
 Concen: 19.863 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 93 Resp: 96291
 Ion Ratio Lower Upper
 93 100
 95 80.2 0.0 162.8
 174 100.9 0.0 199.2





#41

Bromodichloromethane

Concen: 18.746 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

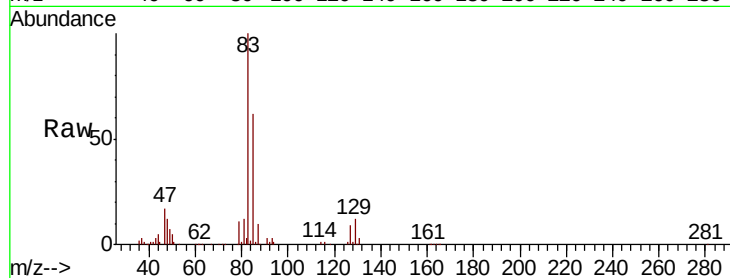
Tgt Ion: 83 Resp: 186179

Ion Ratio Lower Upper

83 100

85 62.0 50.3 75.5

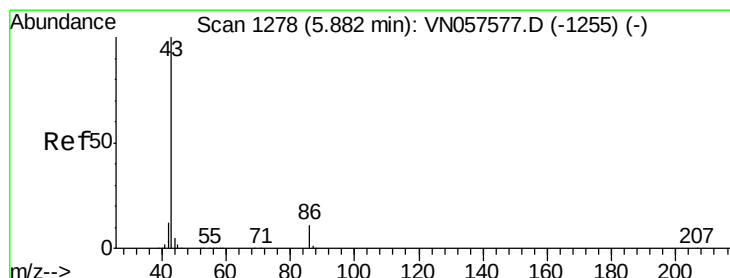
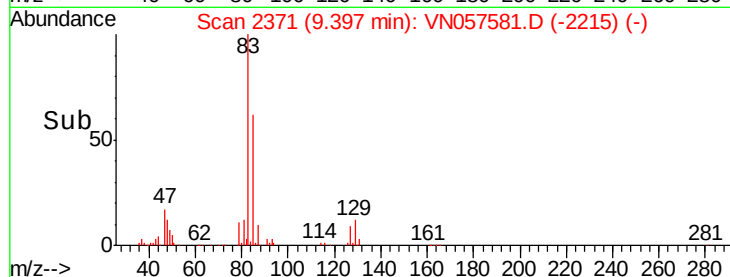
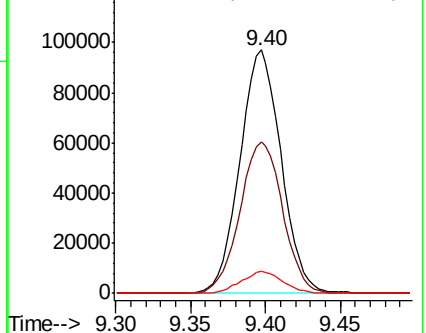
127 8.9 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 98.341 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057581.D

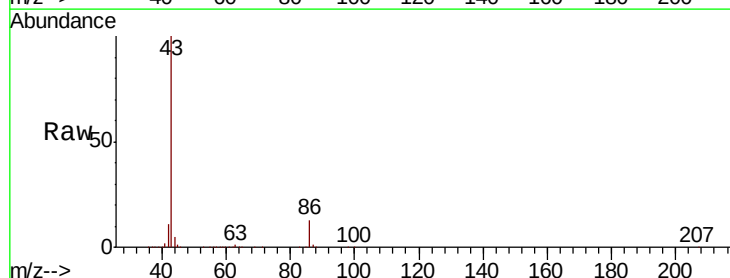
Acq: 30 Aug 2019 11:15

Tgt Ion: 43 Resp: 1216260

Ion Ratio Lower Upper

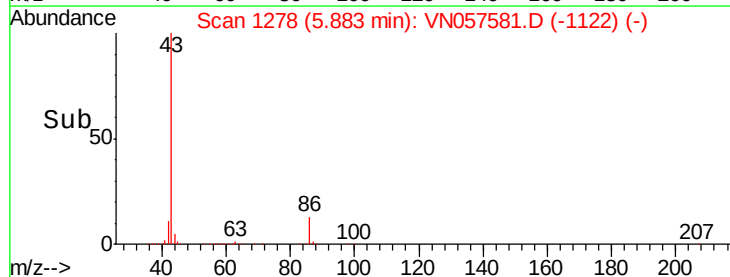
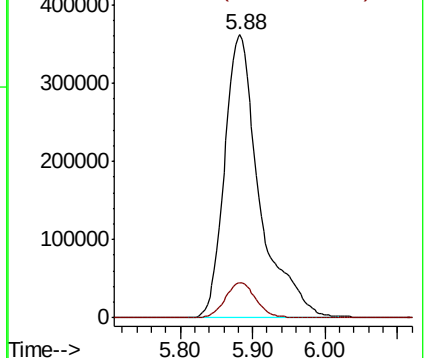
43 100

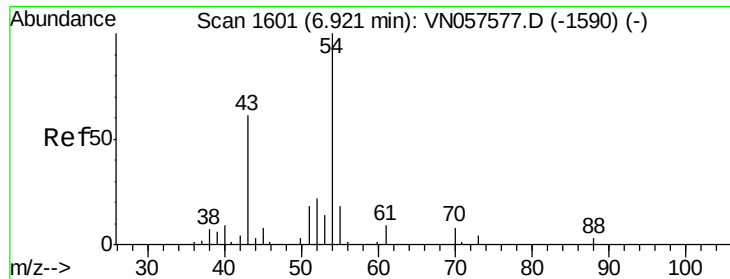
86 10.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.749 ug/l

RT: 6.92 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

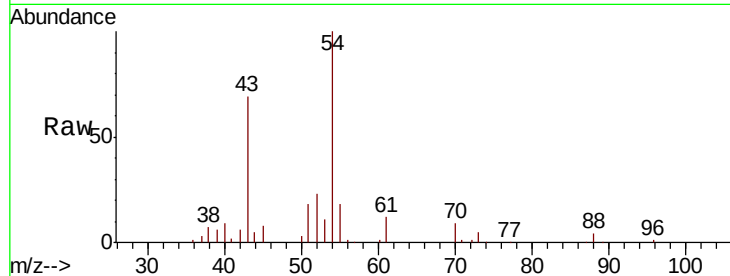
ICVVN083019

Tgt Ion: 43 Resp: 100660

Ion Ratio Lower Upper

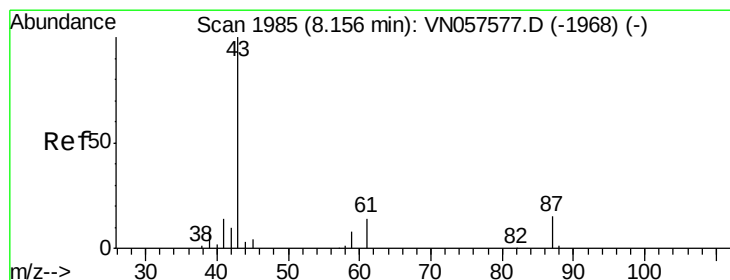
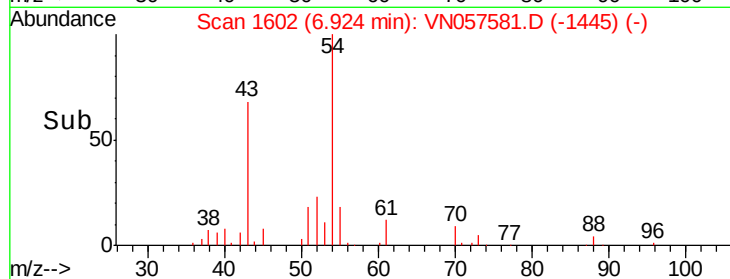
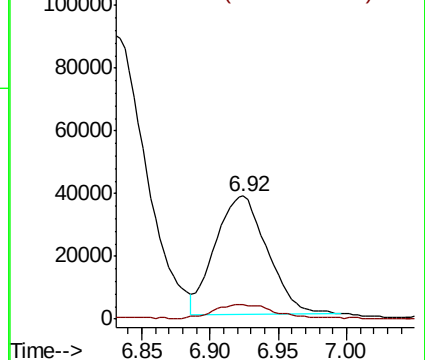
43 100

45 12.3 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.557 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057581.D

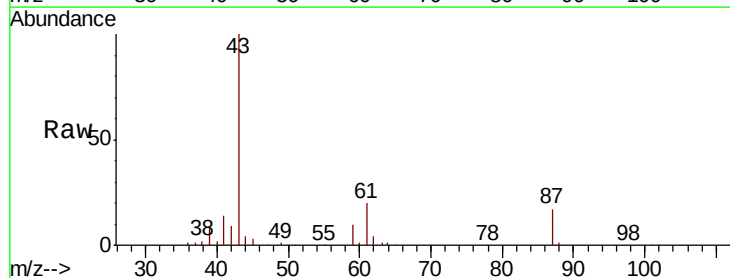
Acq: 30 Aug 2019 11:15

Tgt Ion: 43 Resp: 199299

Ion Ratio Lower Upper

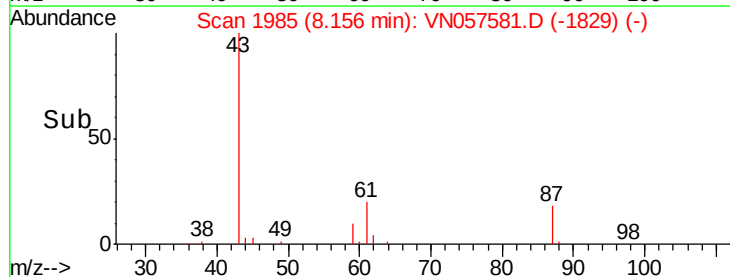
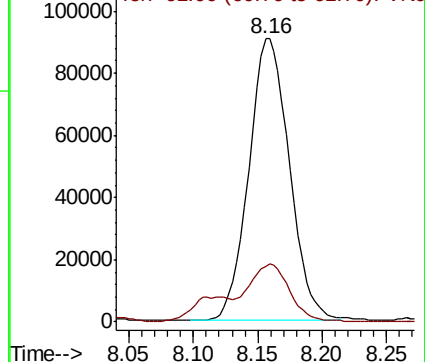
43 100

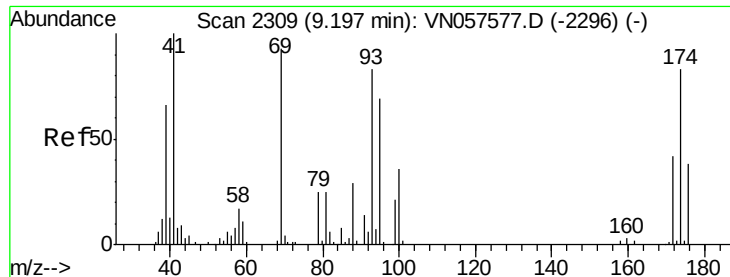
61 19.3 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

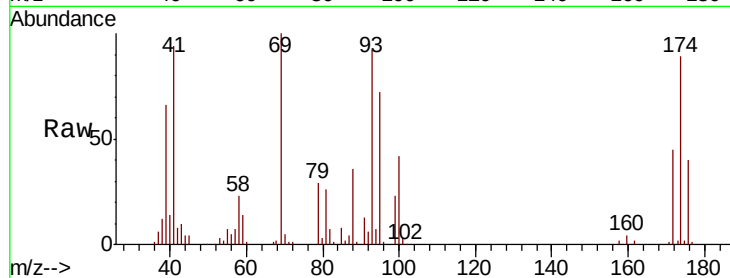




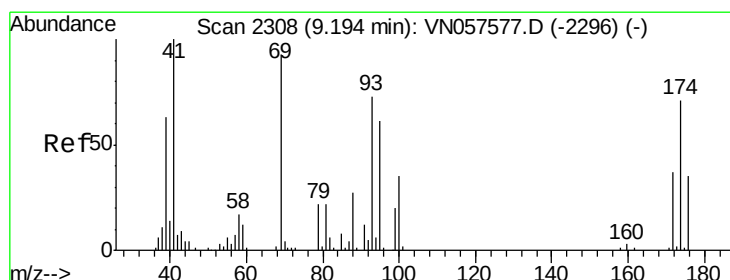
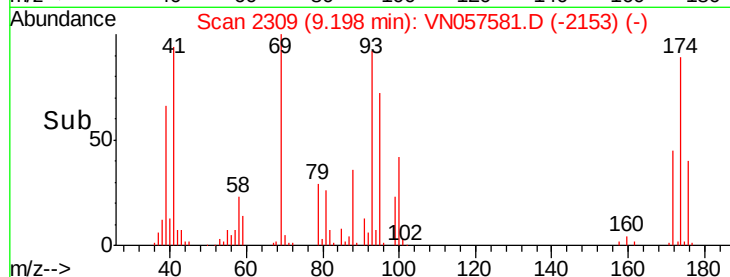
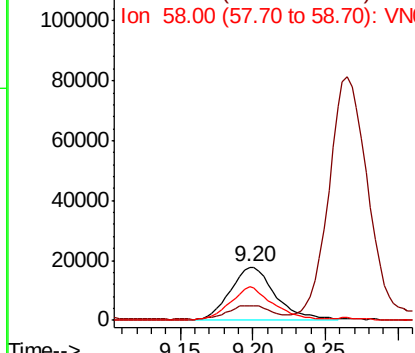
#45
 1,4-Dioxane
 Concen: 418.781 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

Tgt Ion: 88 Resp: 38726
 Ion Ratio Lower Upper
 88 100
 43 24.9 18.2 27.4
 58 59.5 45.0 67.6

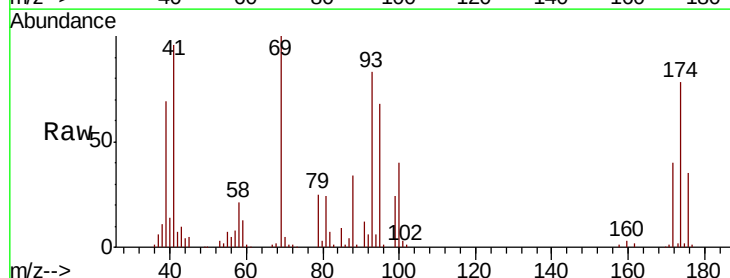


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

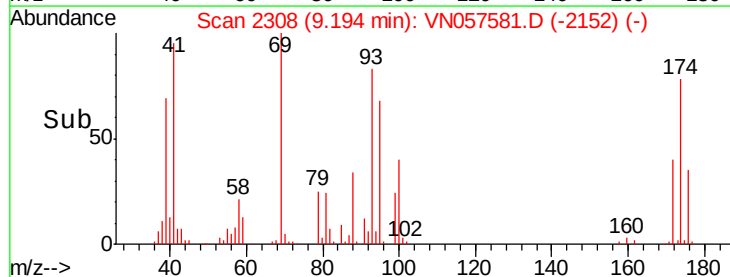
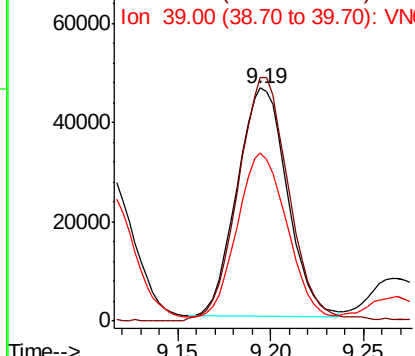


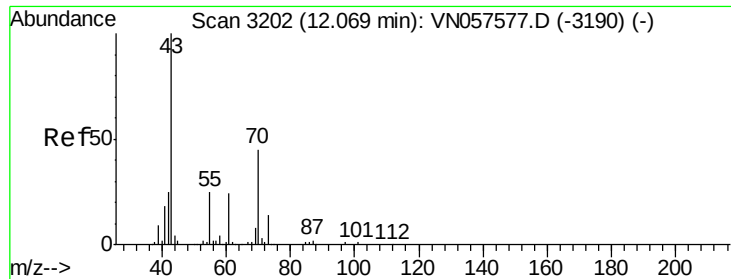
#46
 Methyl methacrylate
 Concen: 17.369 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 41 Resp: 86515
 Ion Ratio Lower Upper
 41 100
 69 105.5 46.4 139.1
 39 72.1 31.6 94.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

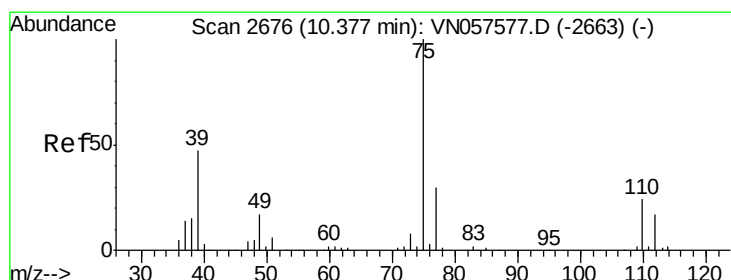
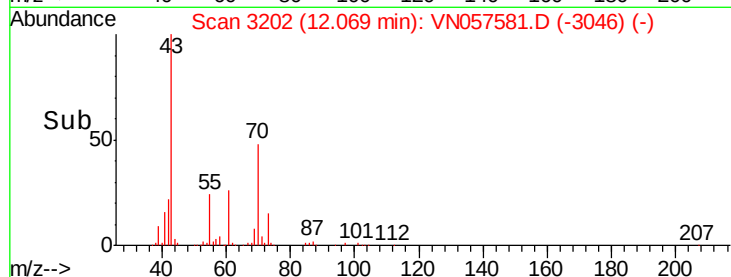
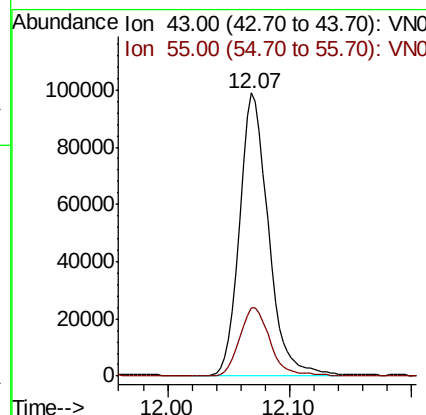
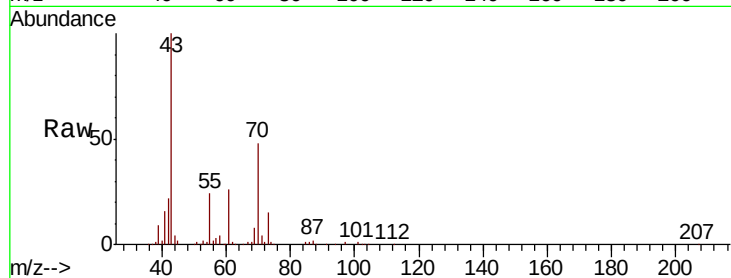




#47
n-amyl Acetate
Concen: 18.237 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

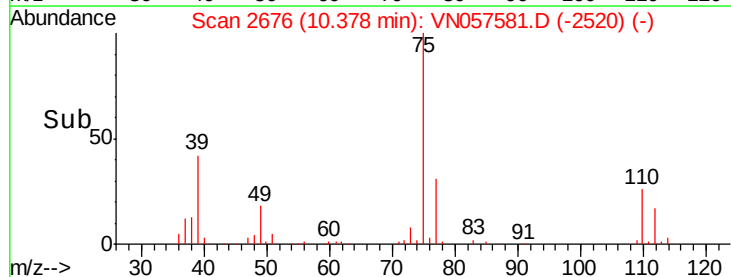
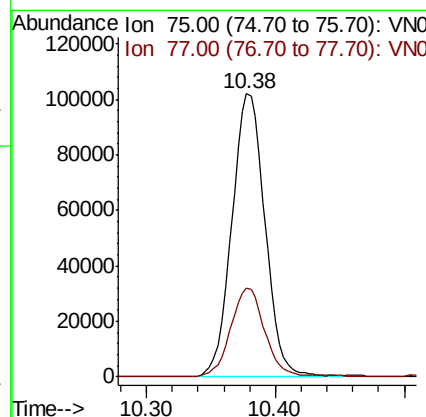
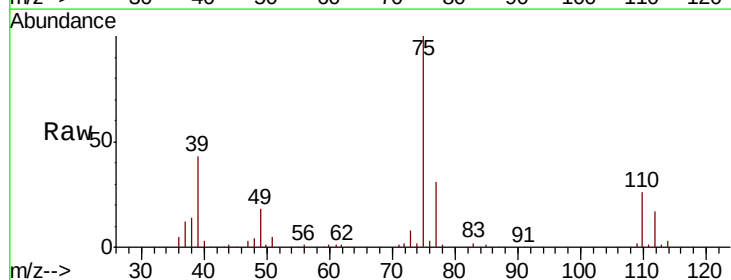
Instrument :
MSVOA_N
ClientSampled :
ICVVN083019

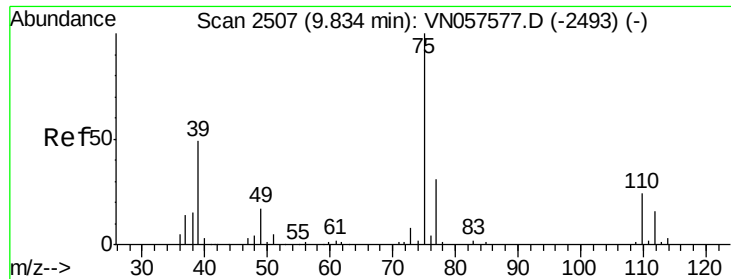
Tgt Ion: 43 Resp: 162151
Ion Ratio Lower Upper
43 100
55 25.6 20.2 30.2



#48
t-1,3-Dichloropropene
Concen: 18.448 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion: 75 Resp: 181870
Ion Ratio Lower Upper
75 100
77 31.0 23.8 35.6

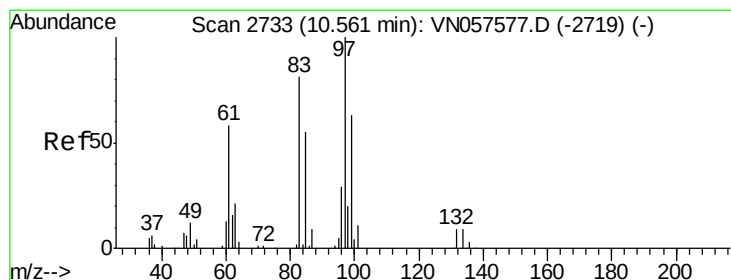
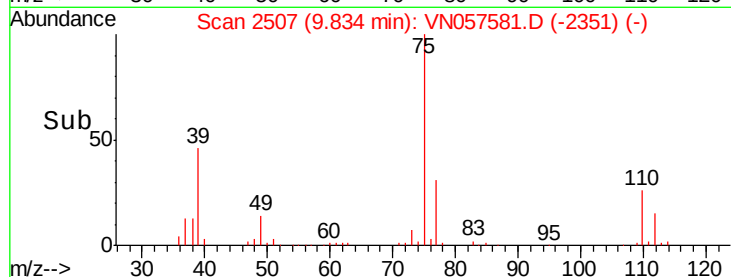
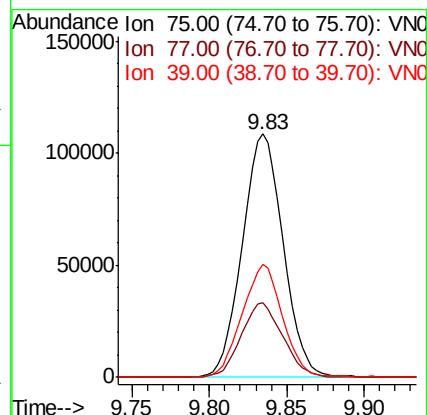
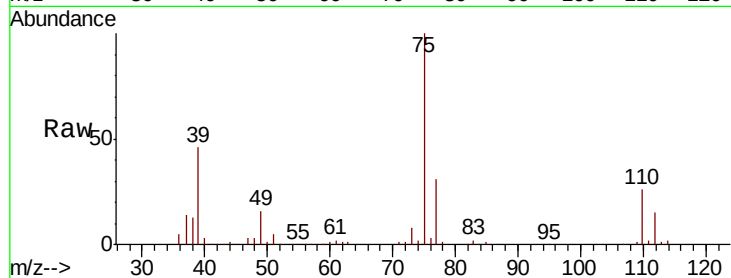




#49
 cis-1,3-Dichloropropene
 Concen: 18.686 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

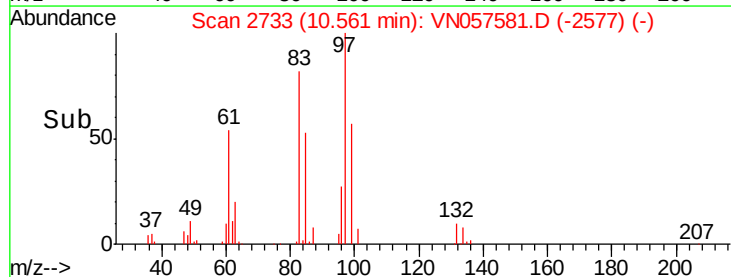
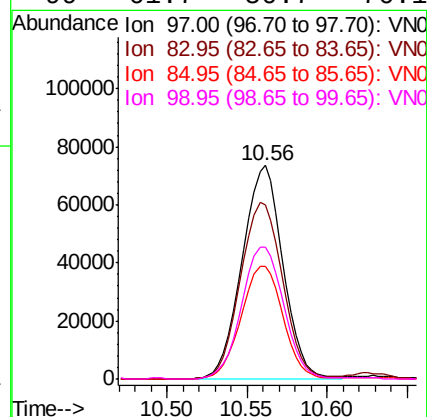
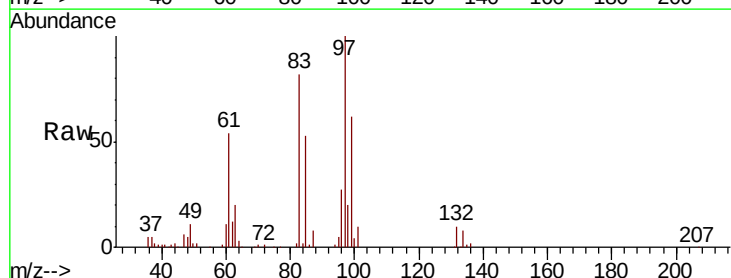
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

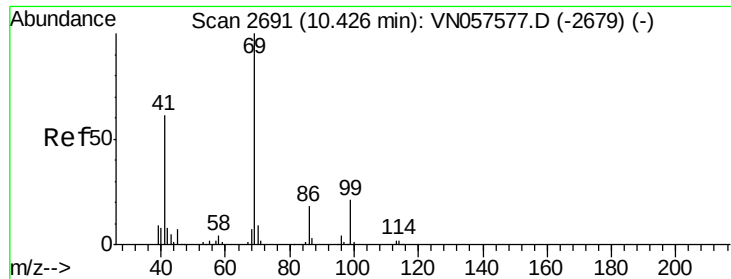
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	45.9	39.0	58.4



#50
 1,1,2-Trichloroethane
 Concen: 18.497 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.1	97.7
85	52.6	43.7	65.5
99	61.7	50.7	76.1





#51

Ethyl methacrylate

Concen: 18.659 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampled :

ICVVN083019

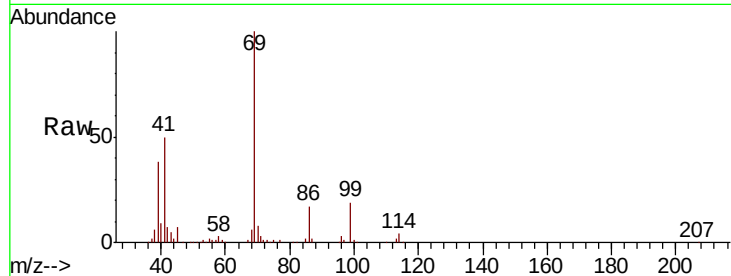
Tgt Ion: 69 Resp: 168029

Ion Ratio Lower Upper

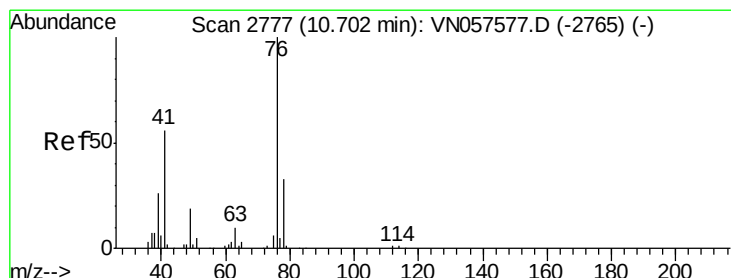
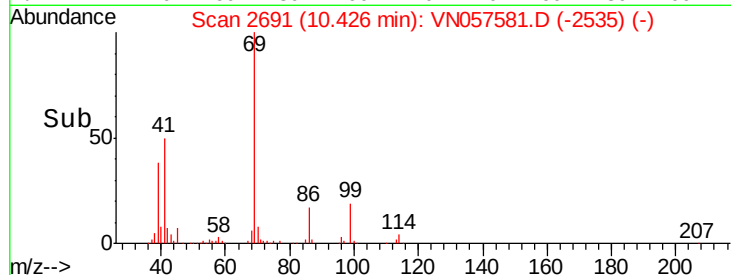
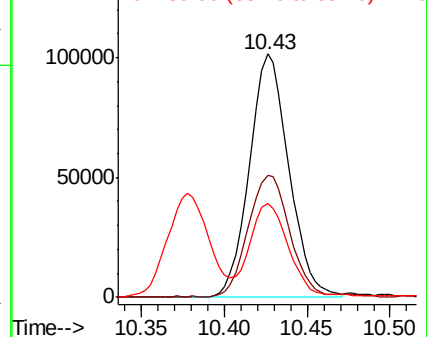
69 100

41 49.8 30.6 92.0

39 37.4 22.3 66.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.720 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057581.D

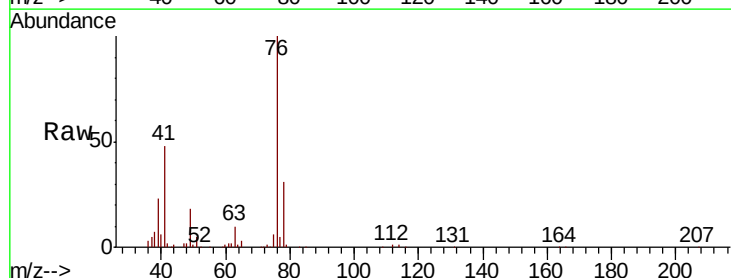
Acq: 30 Aug 2019 11:15

Tgt Ion: 76 Resp: 201812

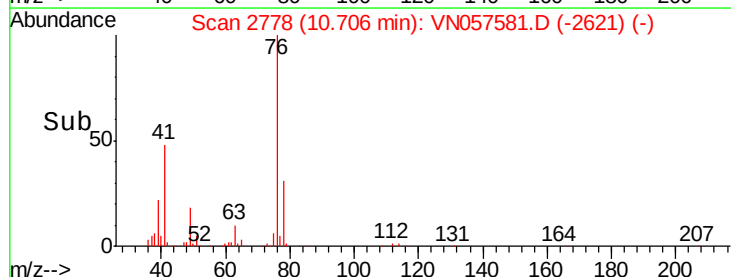
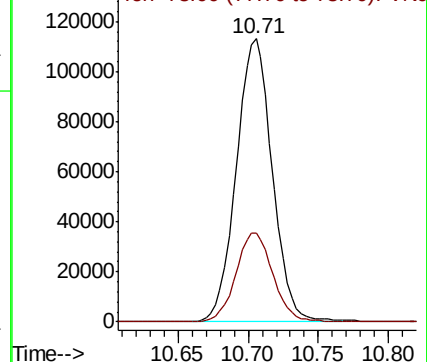
Ion Ratio Lower Upper

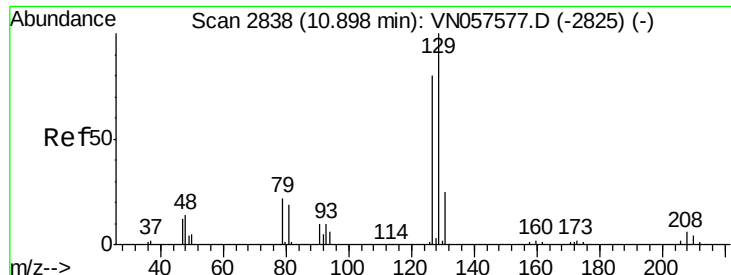
76 100

78 32.5 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

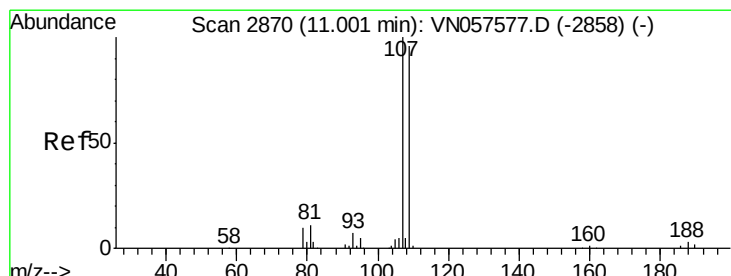
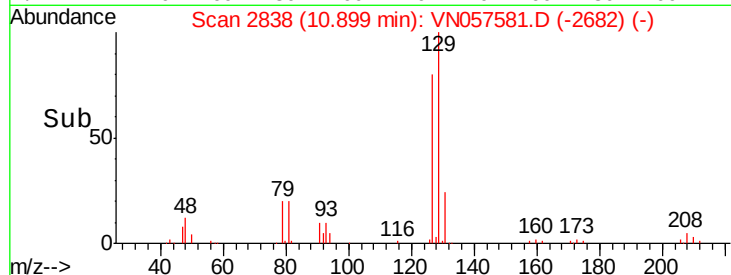
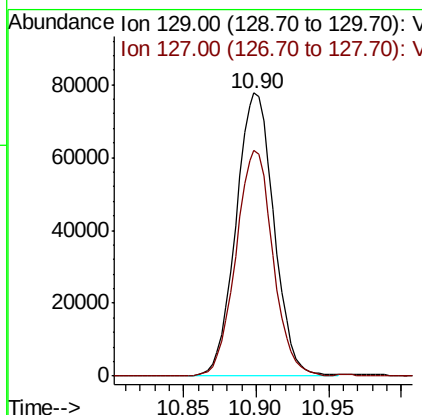
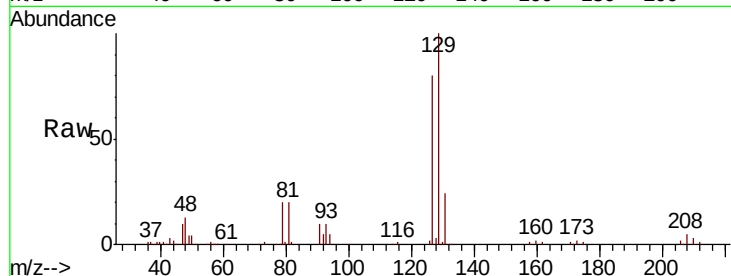




#53
 Dibromochloromethane
 Concen: 18.156 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

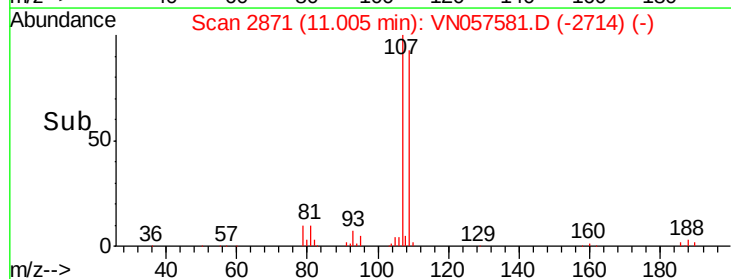
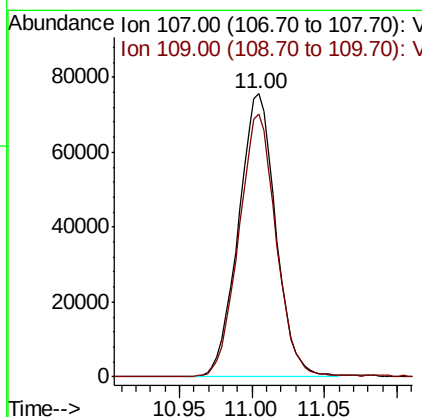
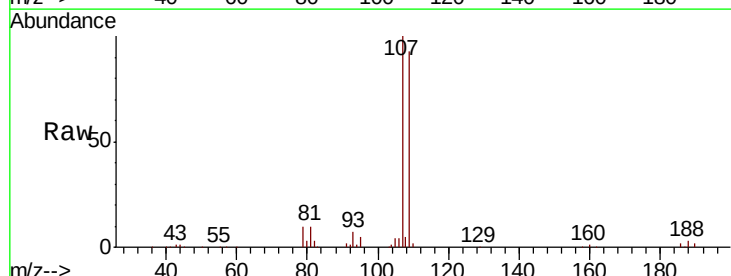
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

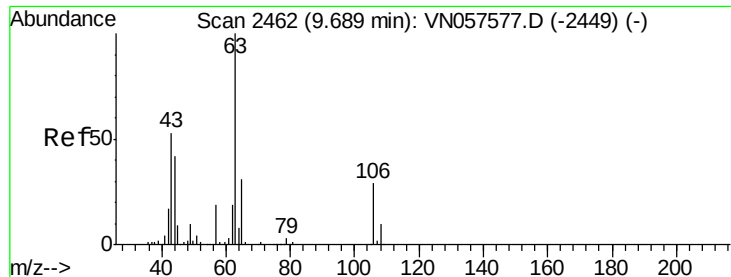
Tgt Ion:129 Resp: 141436
 Ion Ratio Lower Upper
 129 100
 127 77.8 38.9 116.7



#54
 1,2-Dibromoethane
 Concen: 18.885 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion:107 Resp: 135428
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.2 112.8

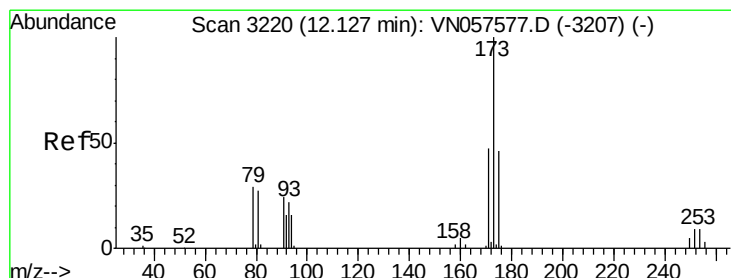
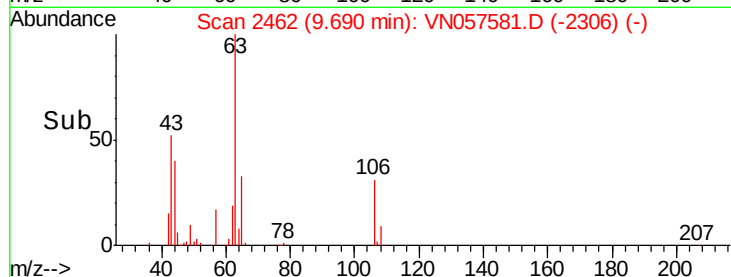
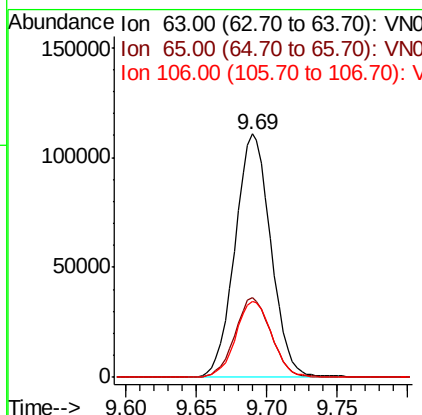
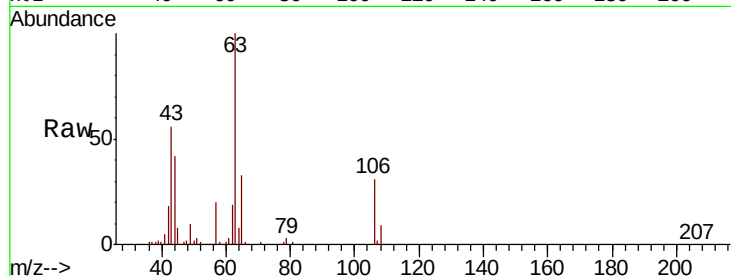




#55
 2-Chloroethyl vinyl ether
 Concen: 89.174 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

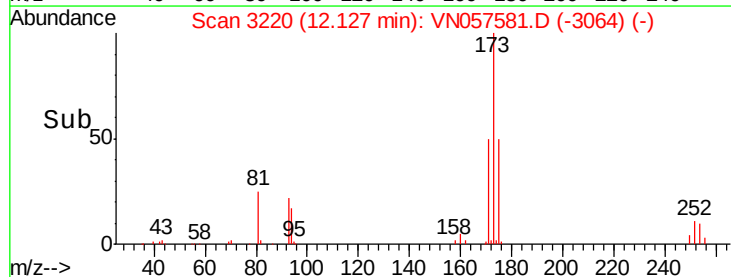
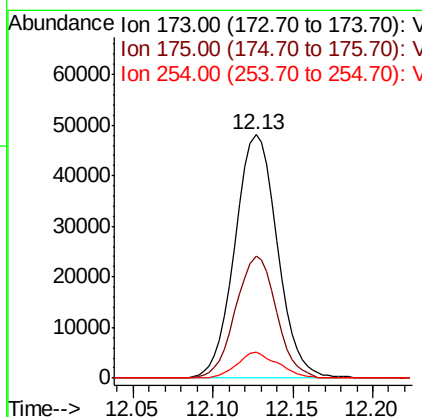
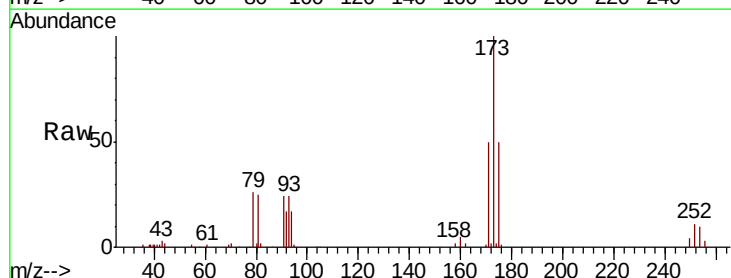
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN083019

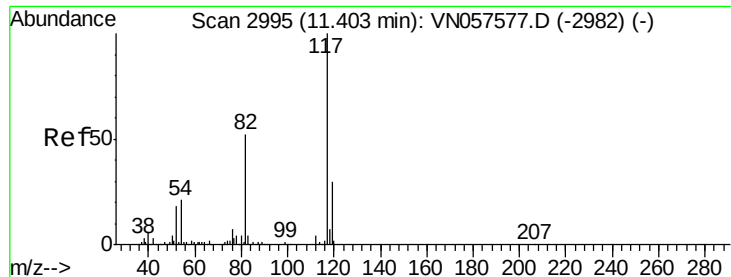
Tgt Ion: 63 Resp: 197104
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.4
 106 31.5 23.7 35.5



#56
 Bromoform
 Concen: 17.138 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 173 Resp: 87301
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.3 55.9
 254 10.1 2.2 3.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

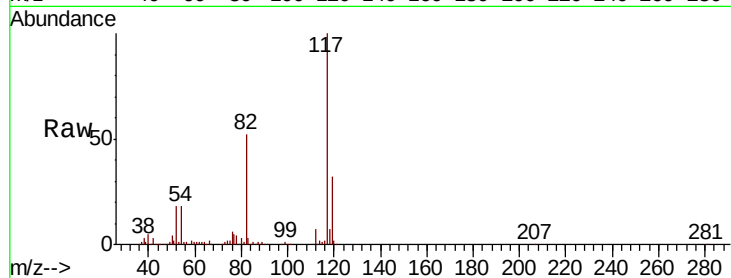
Tgt Ion: 117 Resp: 552555

Ion Ratio Lower Upper

117 100

82 52.9 42.6 63.8

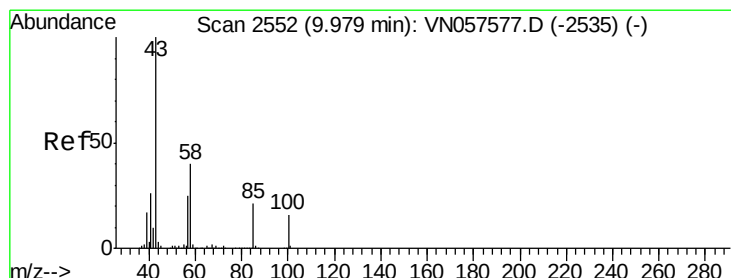
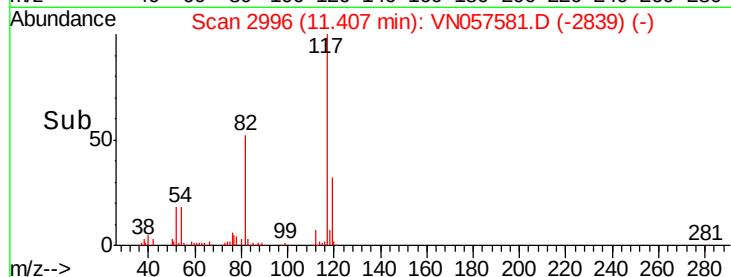
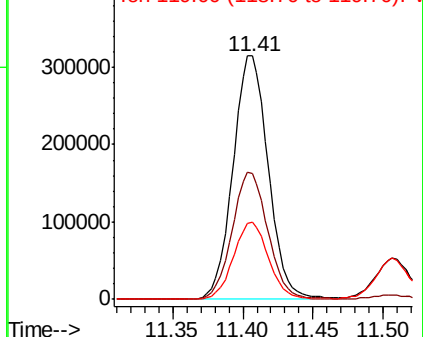
119 31.4 25.0 37.6



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: 99.765 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

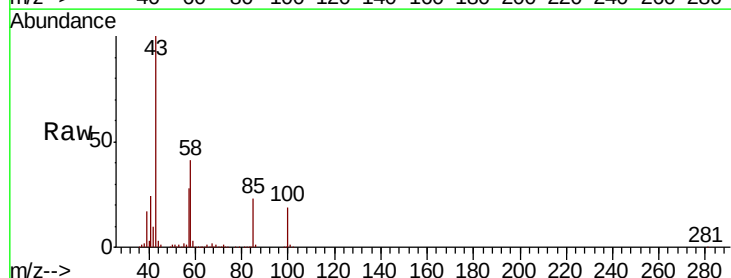
Tgt Ion: 43 Resp: 557046

Ion Ratio Lower Upper

43 100

58 41.0 32.1 48.1

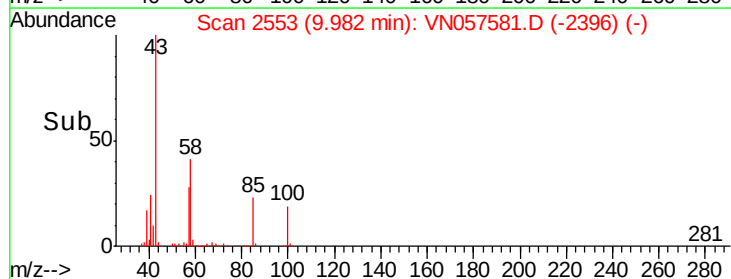
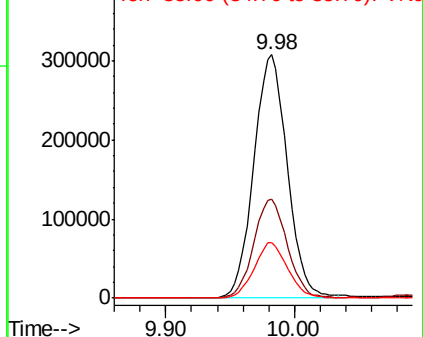
85 22.9 16.6 24.8

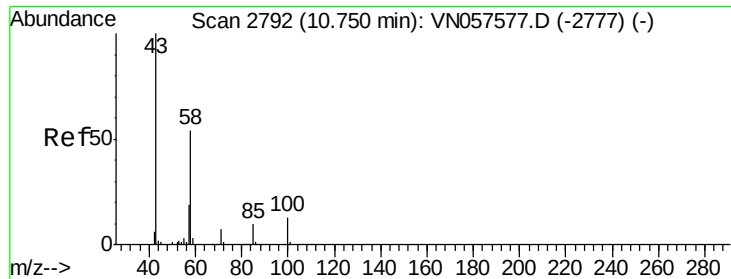


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

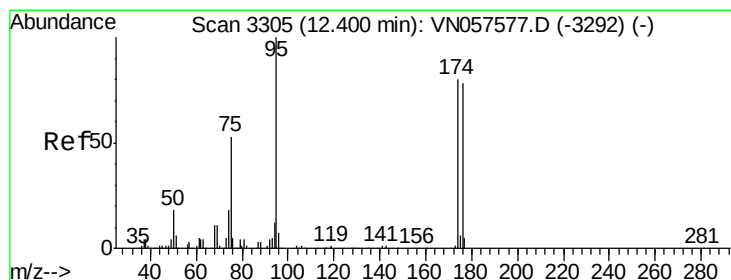
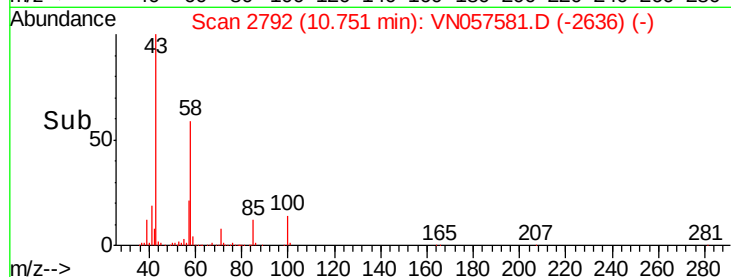
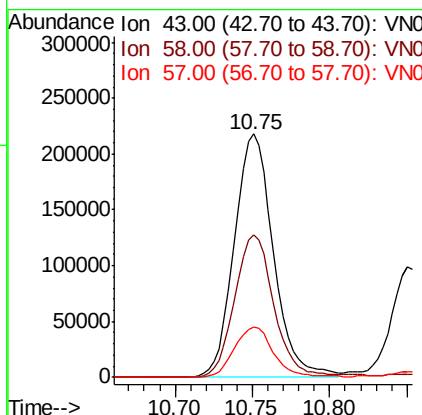
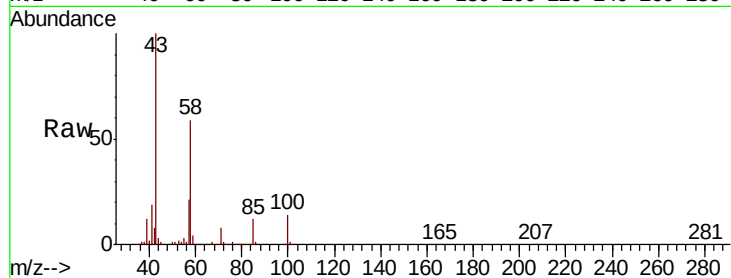




#59
2-Hexanone
Concen: 96.380 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

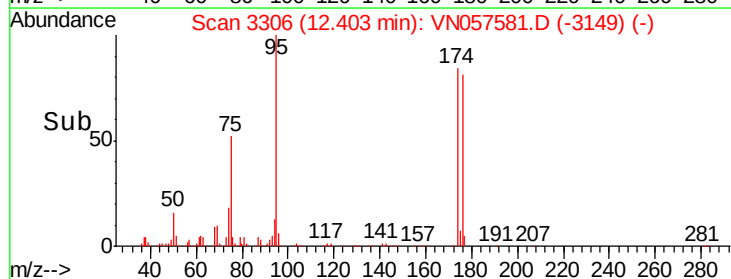
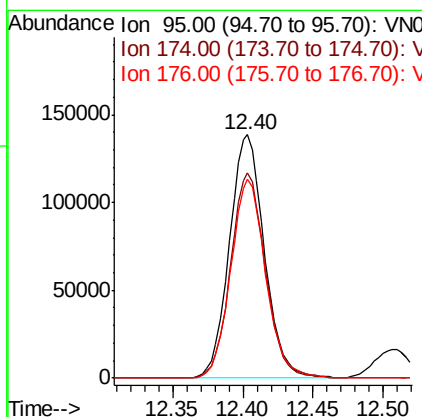
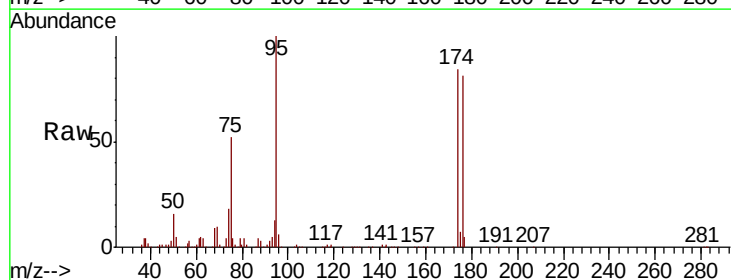
Instrument :
MSVOA_N
ClientSampleId :
ICVVN083019

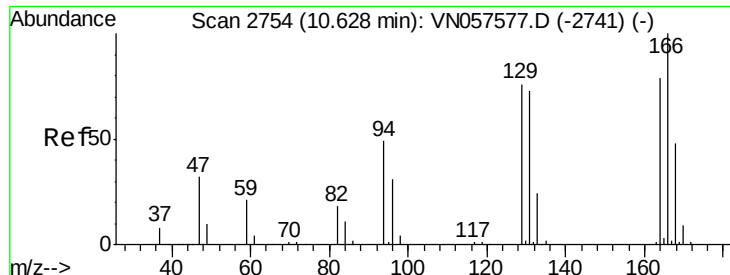
Tgt Ion: 43 Resp: 380498
Ion Ratio Lower Upper
43 100
58 59.1 42.9 64.3
57 21.0 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 28.621 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion: 95 Resp: 240421
Ion Ratio Lower Upper
95 100
174 83.9 66.2 99.2
176 81.7 65.0 97.6





#61

Tetrachloroethene

Concen: 19.667 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

Tgt Ion:164 Resp: 138931

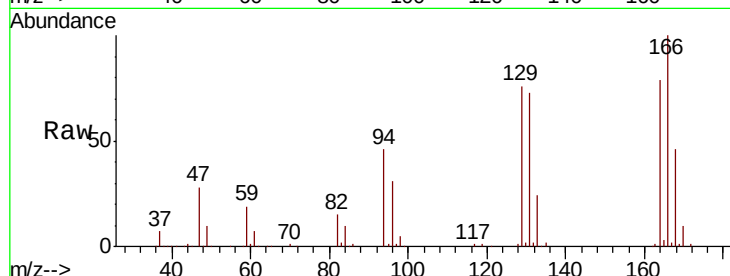
Ion Ratio Lower Upper

164 100

166 127.1 100.7 151.1

129 96.1 76.3 114.5

131 93.1 73.8 110.6

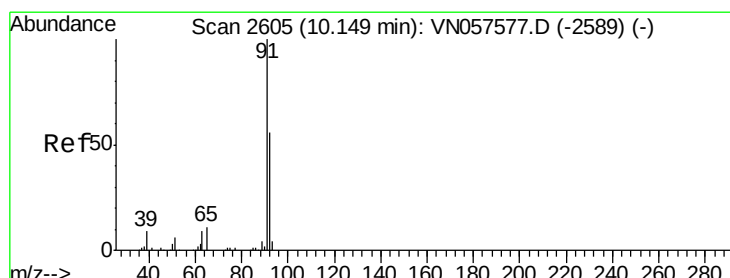
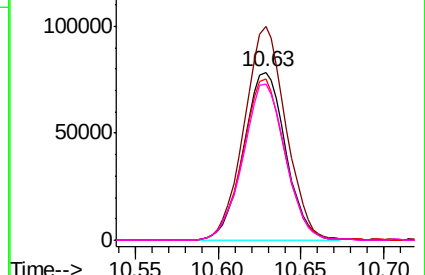
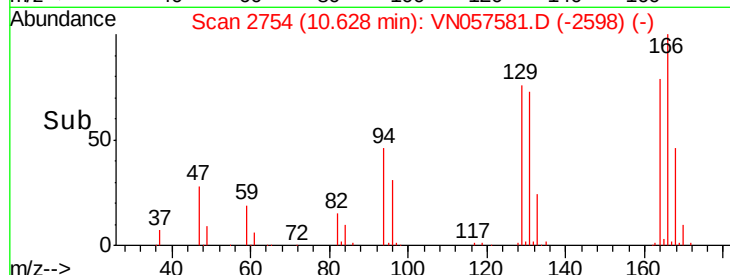


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.849 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057581.D

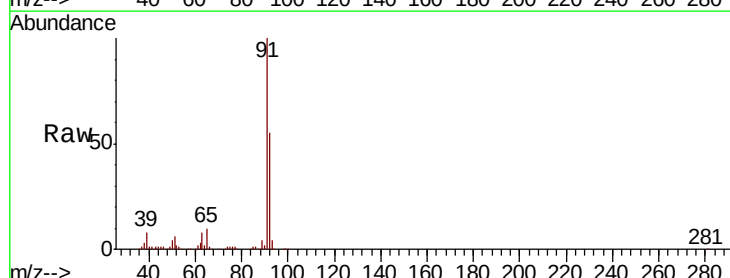
Acq: 30 Aug 2019 11:15

Tgt Ion: 91 Resp: 584139

Ion Ratio Lower Upper

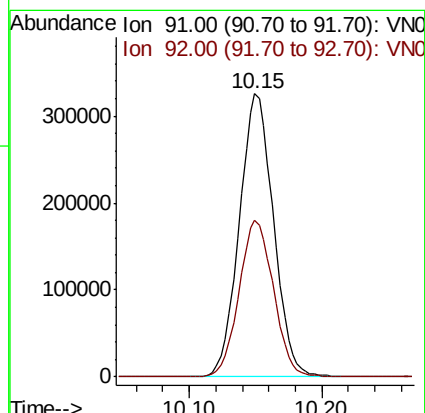
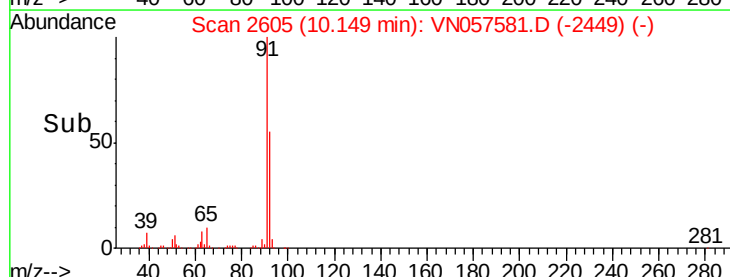
91 100

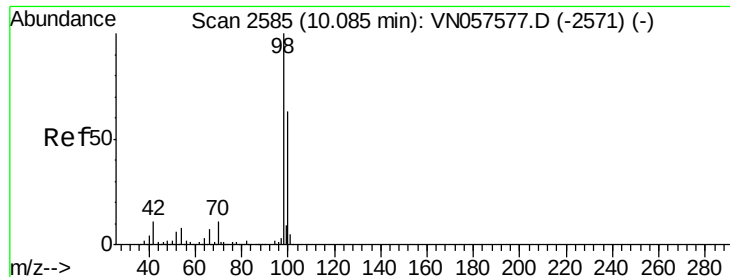
92 55.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.182 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

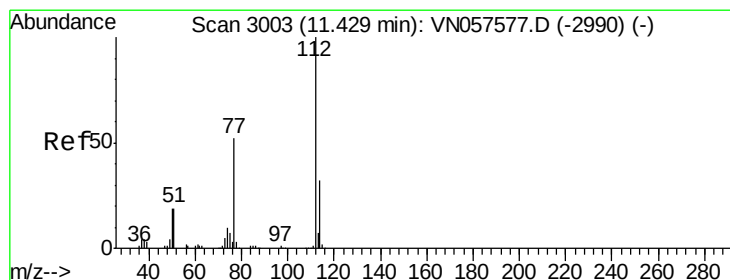
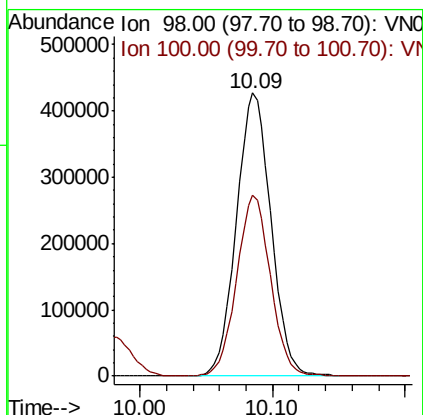
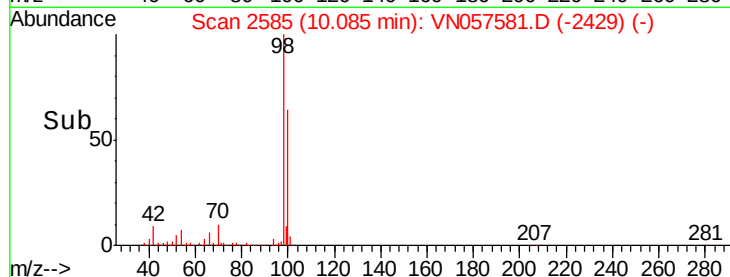
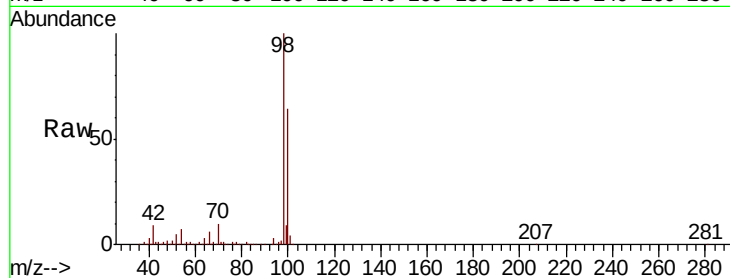
ICVFN083019

Tgt Ion: 98 Resp: 772344

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.2



#64

Chlorobenzene

Concen: 19.830 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057581.D

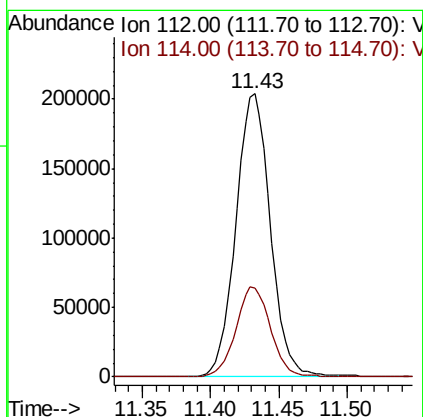
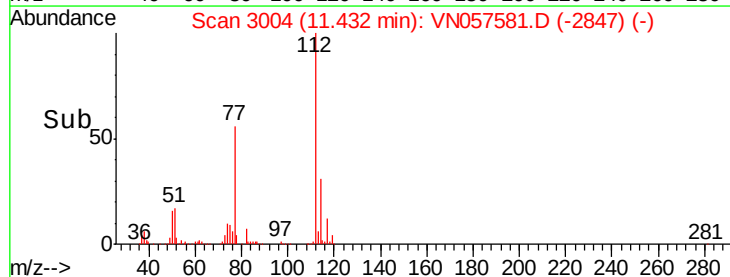
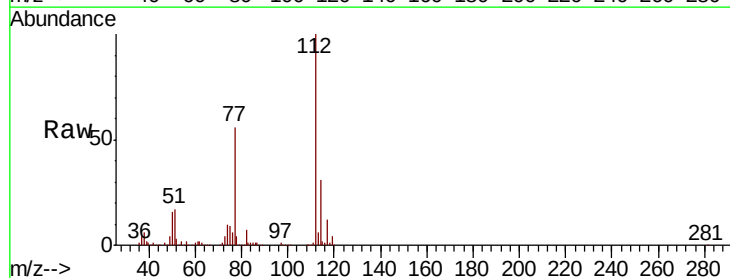
Acq: 30 Aug 2019 11:15

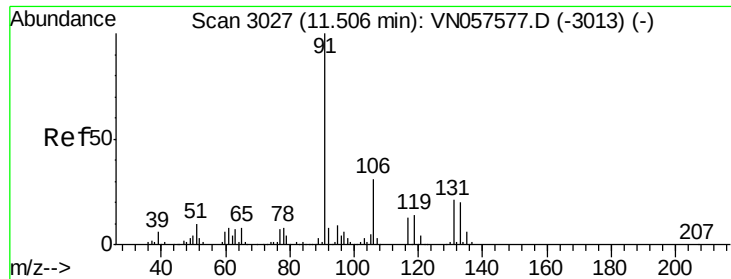
Tgt Ion: 112 Resp: 357787

Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.395 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

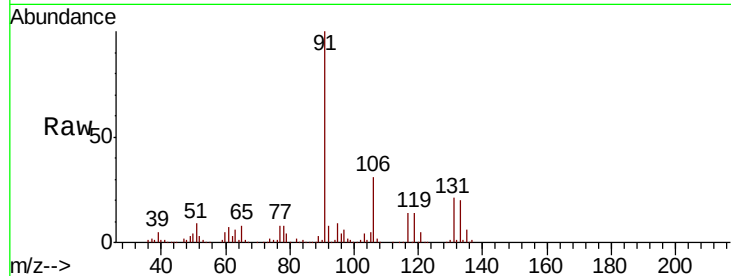
Tgt Ion:131 Resp: 138868

Ion Ratio Lower Upper

131 100

133 92.8 0.0 186.0

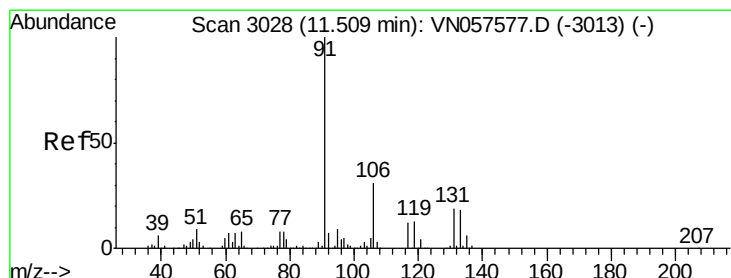
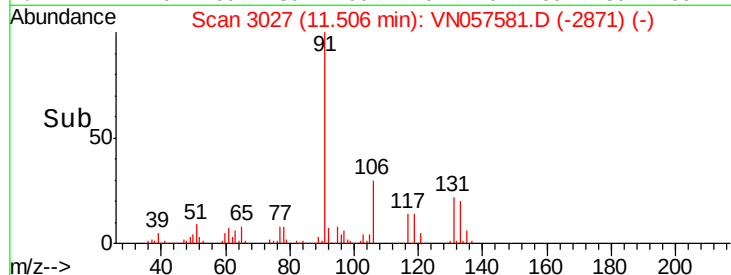
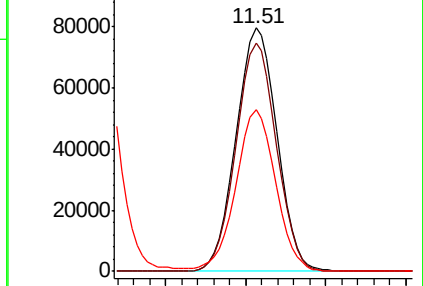
119 64.6 0.0 134.6



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: 21.274 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057581.D

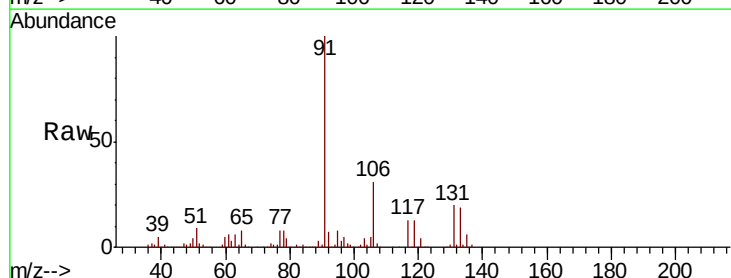
Acq: 30 Aug 2019 11:15

Tgt Ion: 91 Resp: 641228

Ion Ratio Lower Upper

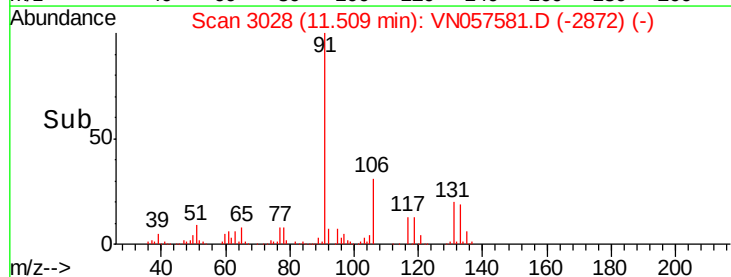
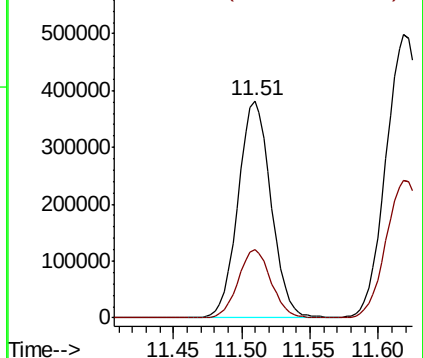
91 100

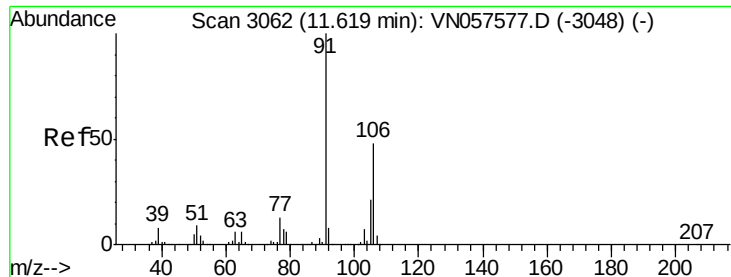
106 31.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.553 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

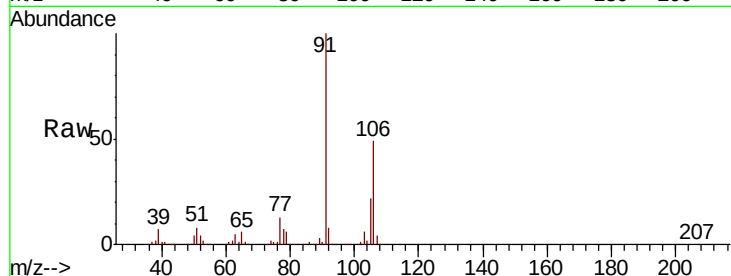
ICVVN083019

Tgt Ion:106 Resp: 476990

Ion Ratio Lower Upper

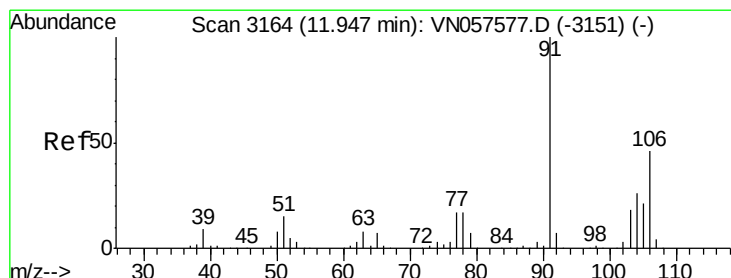
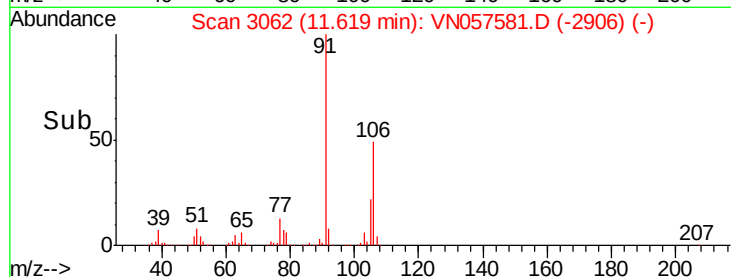
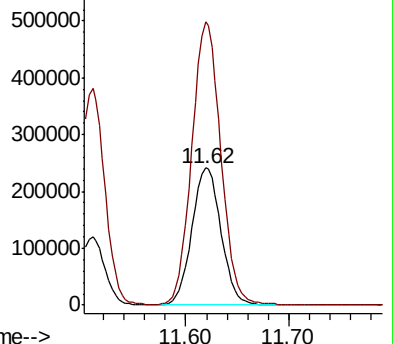
106 100

91 204.6 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.153 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057581.D

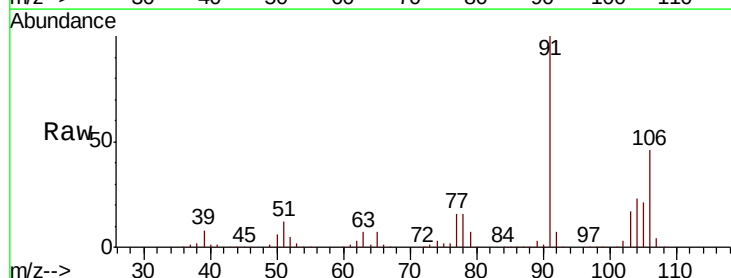
Acq: 30 Aug 2019 11:15

Tgt Ion:106 Resp: 232076

Ion Ratio Lower Upper

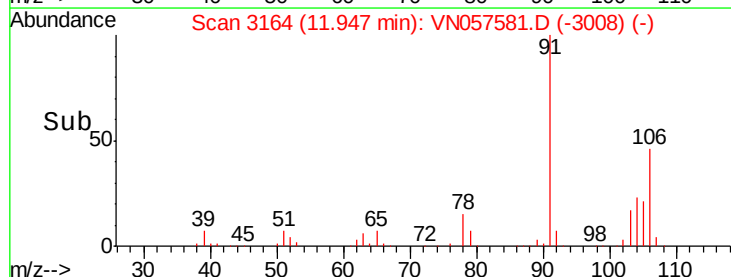
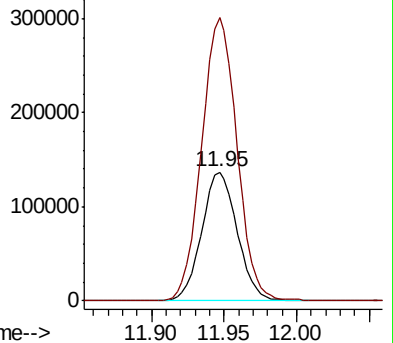
106 100

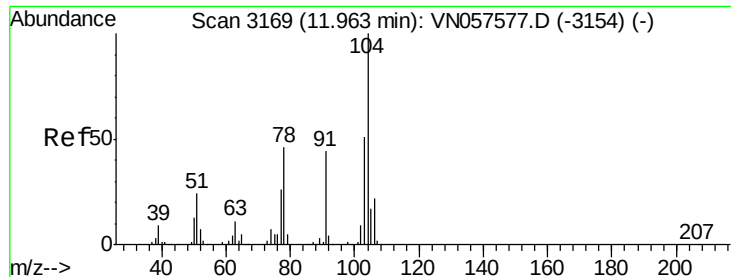
91 219.2 107.8 323.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

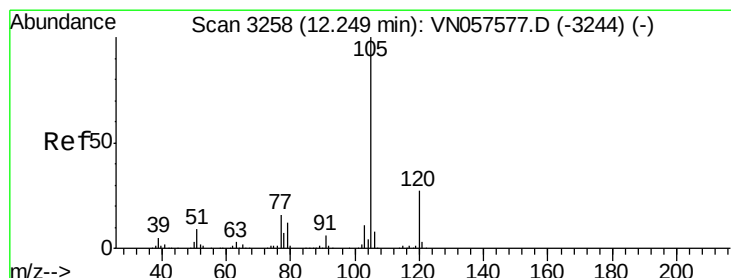
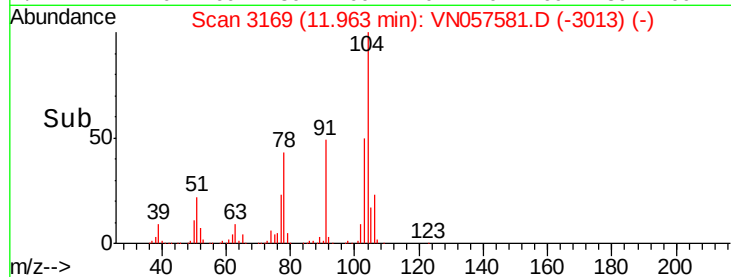
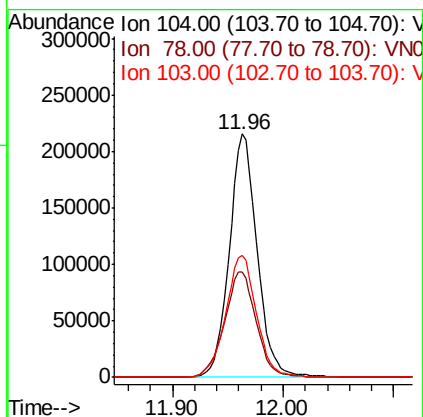
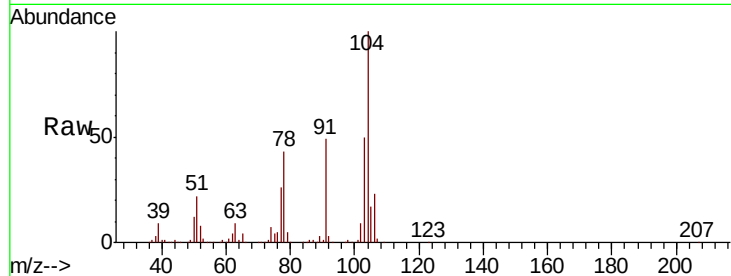




#69
 Styrene
 Concen: 19.646 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

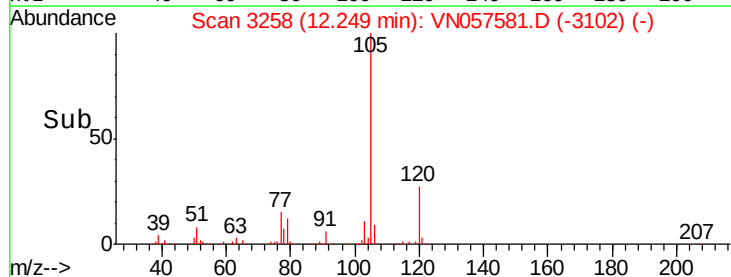
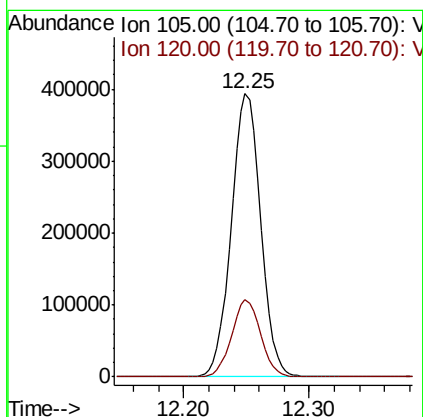
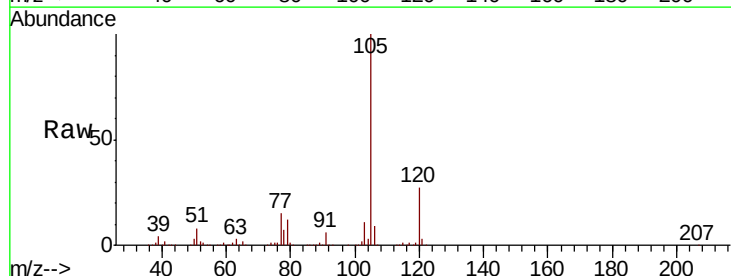
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN083019

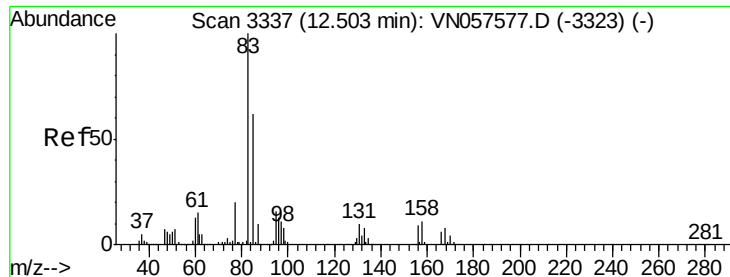
Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	41.4	62.0
103	55.4	44.8	67.2



#70
 Isopropylbenzene
 Concen: 21.074 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.7	34.7

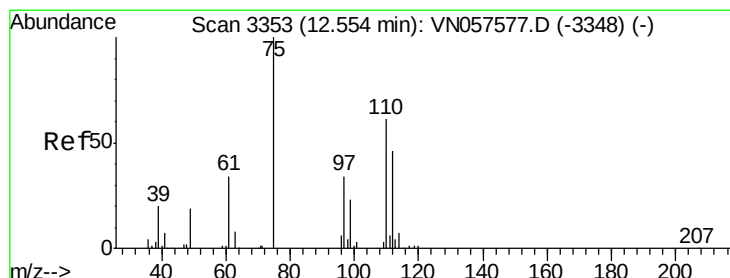
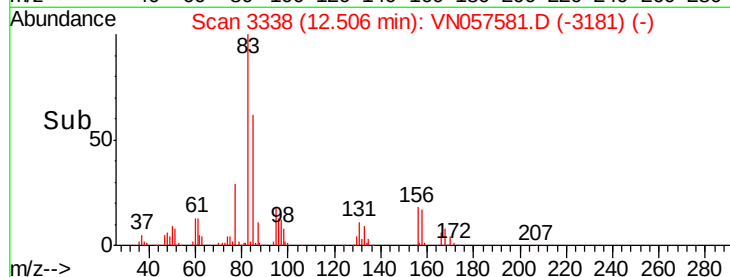
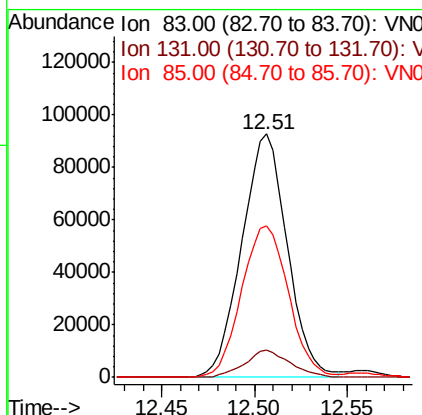
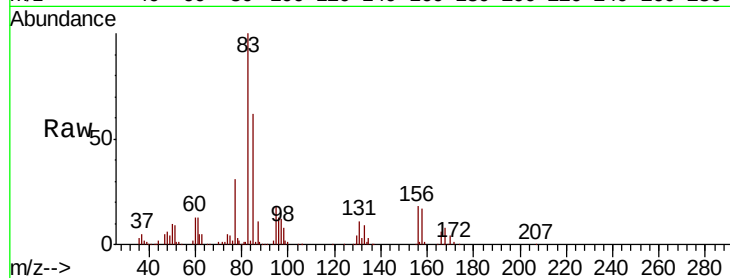




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.537 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

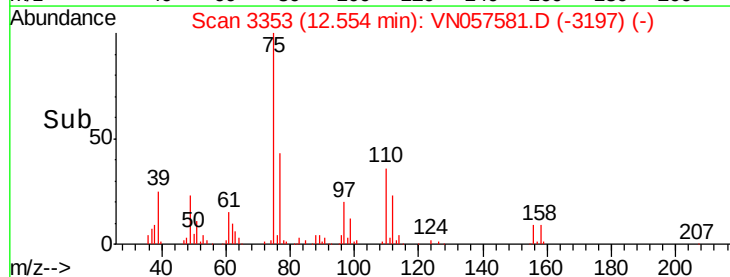
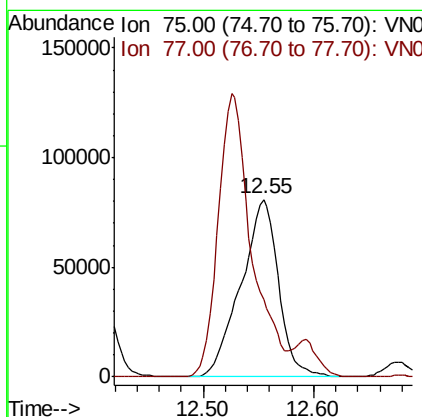
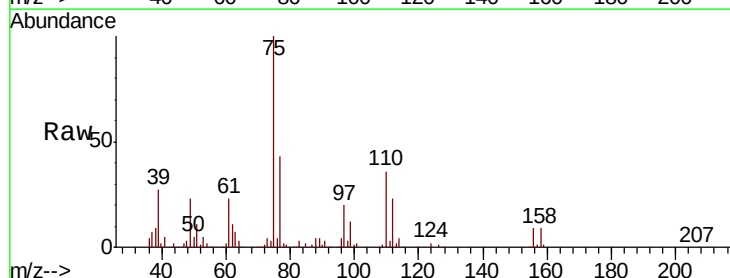
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

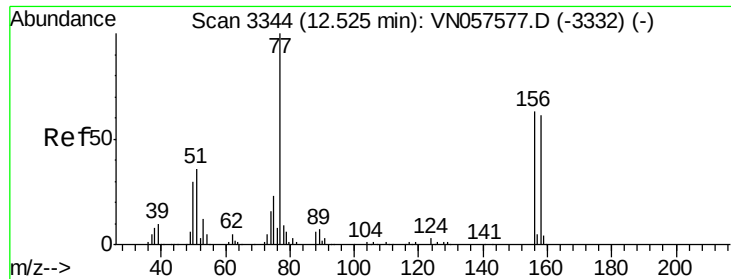
Tgt Ion: 83 Resp: 157836
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.2 15.6
 85 64.1 31.6 94.8



#72
 1,2,3-Trichloropropane
 Concen: 27.791 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion: 75 Resp: 190601
 Ion Ratio Lower Upper
 75 100
 77 143.3 0.0 399.2





#73

Bromobenzene

Concen: 19.439 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVFN083019

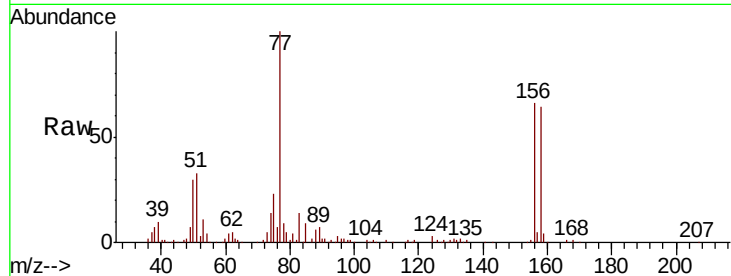
Tgt Ion:156 Resp: 150931

Ion Ratio Lower Upper

156 100

77 180.9 0.0 374.6

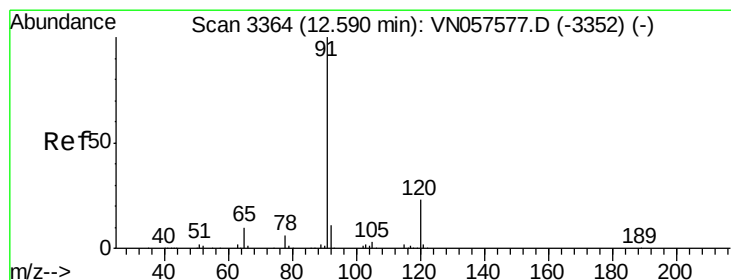
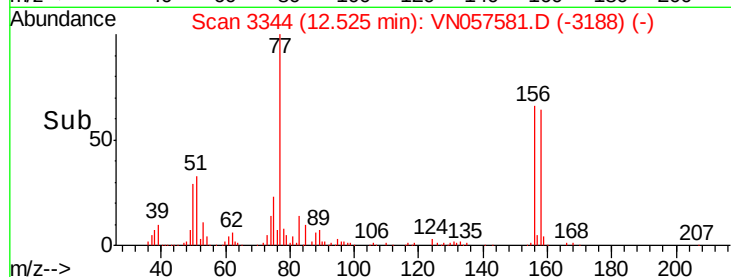
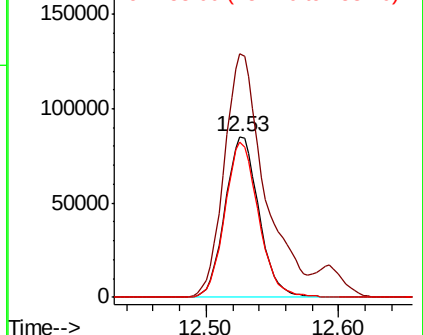
158 96.2 0.0 197.4



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: 21.437 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057581.D

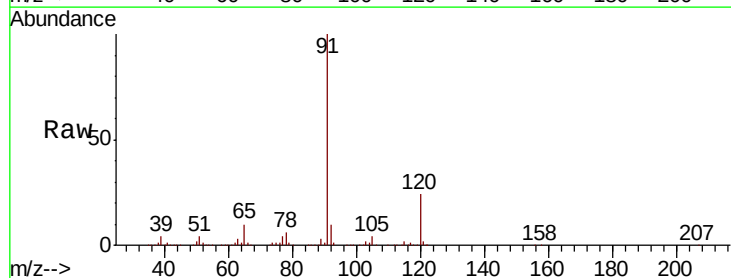
Acq: 30 Aug 2019 11:15

Tgt Ion: 91 Resp: 671190

Ion Ratio Lower Upper

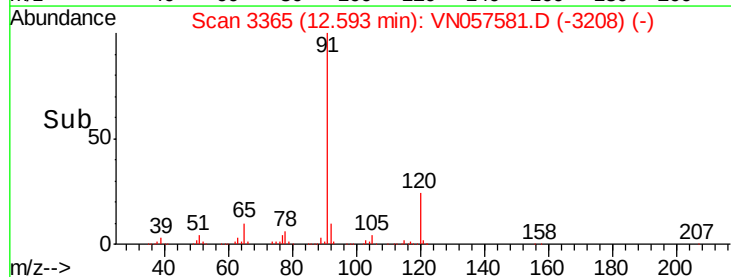
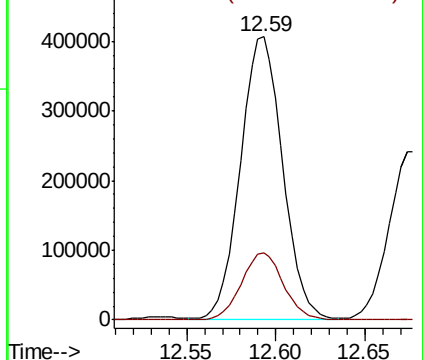
91 100

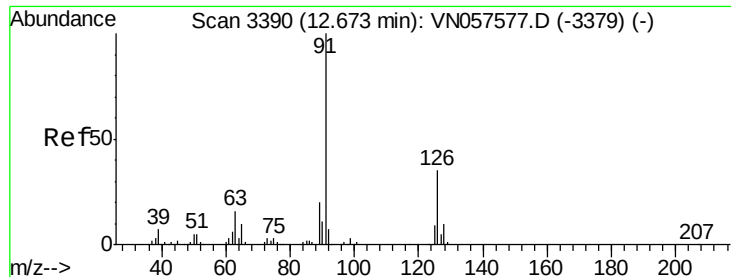
120 23.5 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.123 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

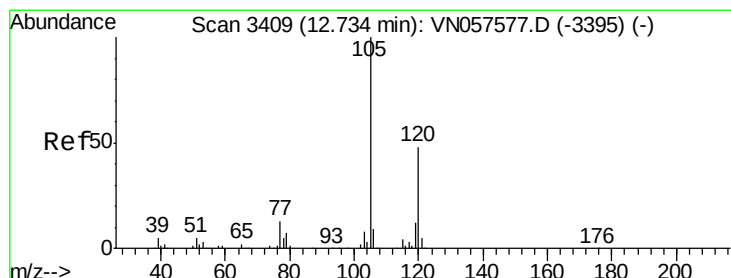
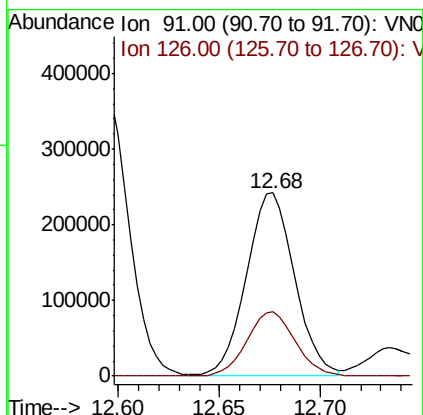
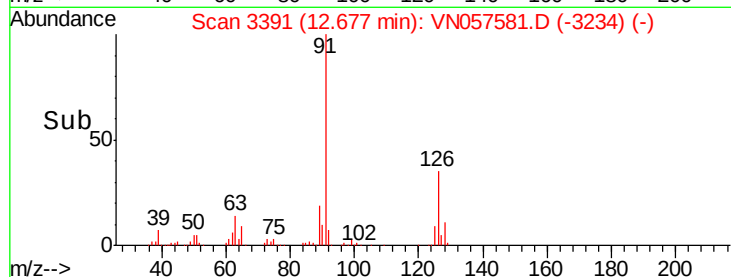
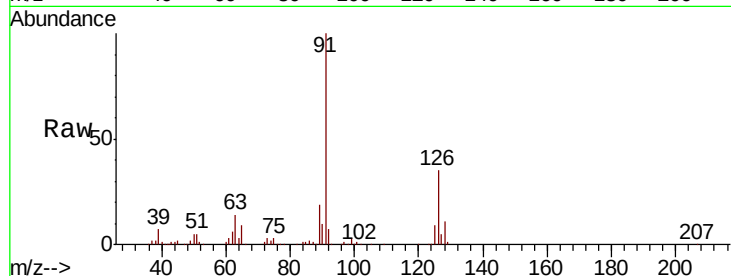
ICVVN083019

Tgt Ion: 91 Resp: 406950

Ion Ratio Lower Upper

91 100

126 35.3 0.0 70.4



#76

1,3,5-Trimethylbenzene

Concen: 20.985 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057581.D

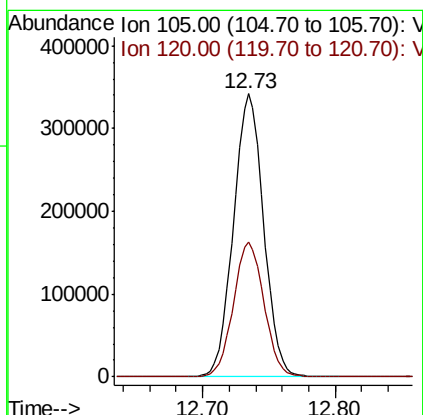
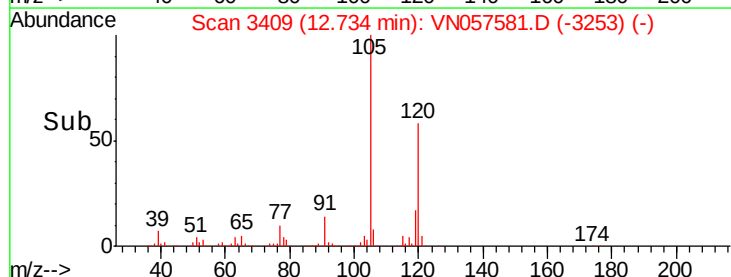
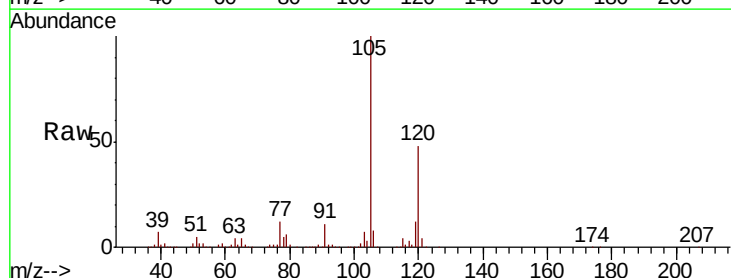
Acq: 30 Aug 2019 11:15

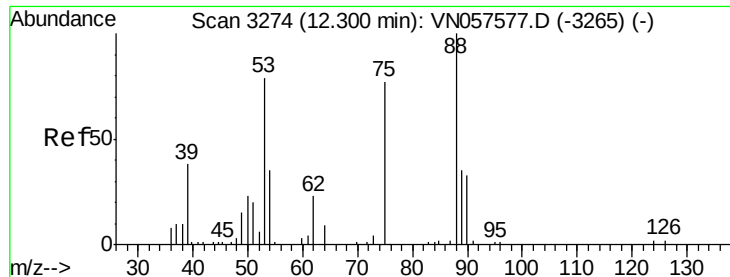
Tgt Ion: 105 Resp: 539365

Ion Ratio Lower Upper

105 100

120 48.4 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.948 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

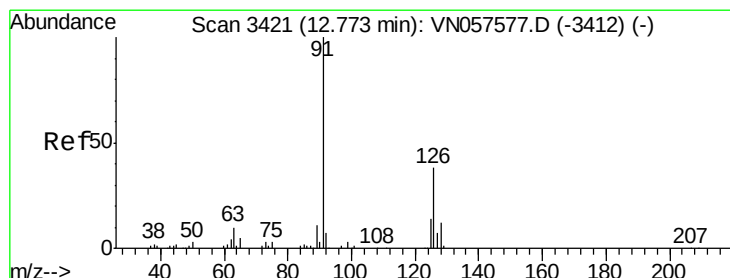
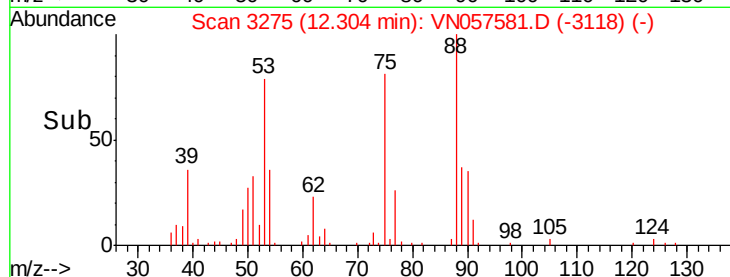
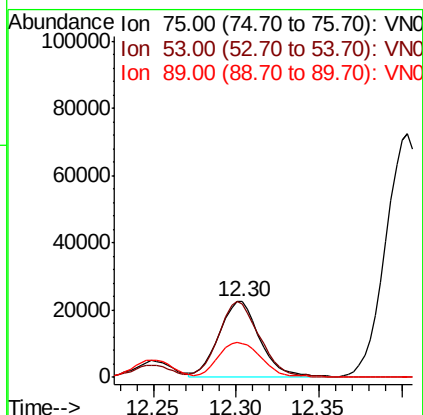
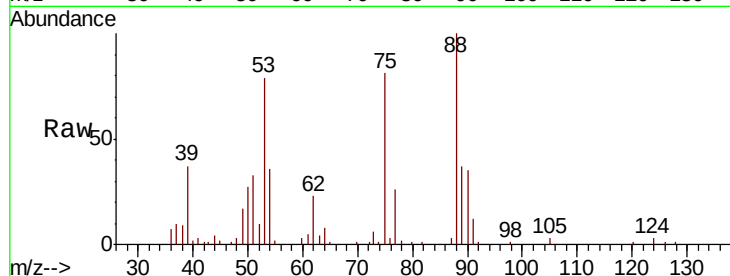
Tgt Ion: 75 Resp: 38986

Ion Ratio Lower Upper

75 100

53 98.6 52.8 158.4

89 45.9 23.2 69.5



#78

4-Chlorotoluene

Concen: 20.049 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057581.D

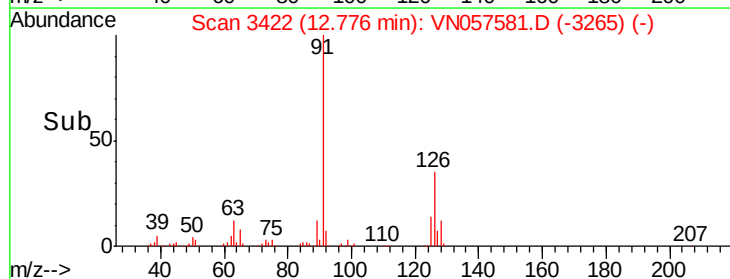
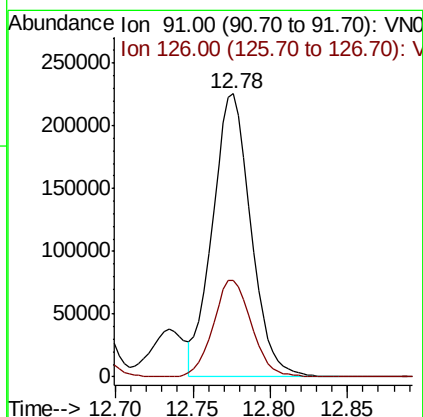
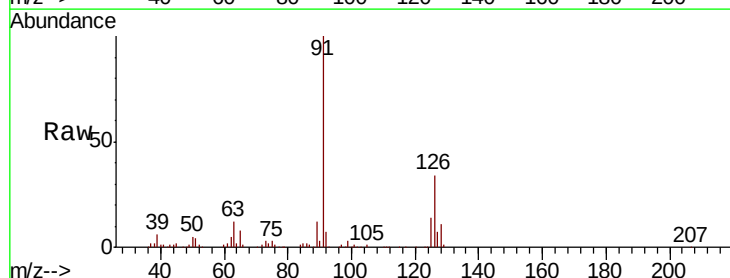
Acq: 30 Aug 2019 11:15

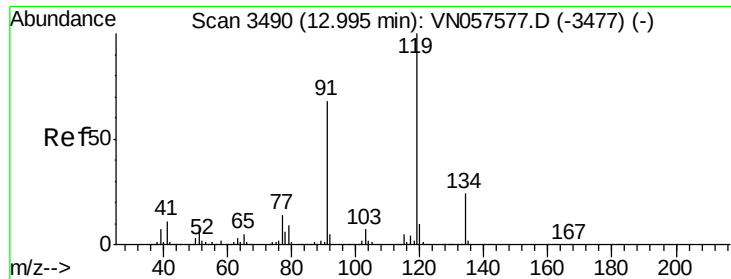
Tgt Ion: 91 Resp: 390041

Ion Ratio Lower Upper

91 100

126 34.0 0.0 68.6

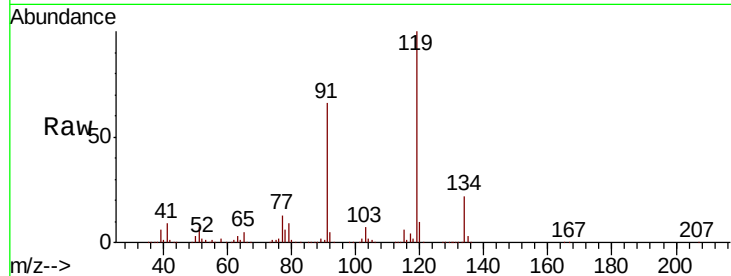




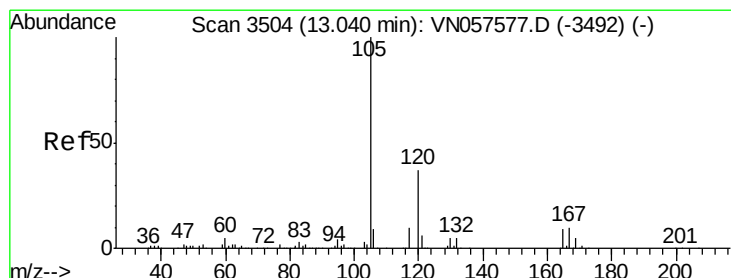
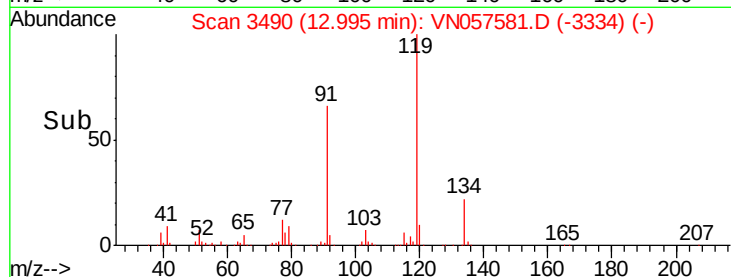
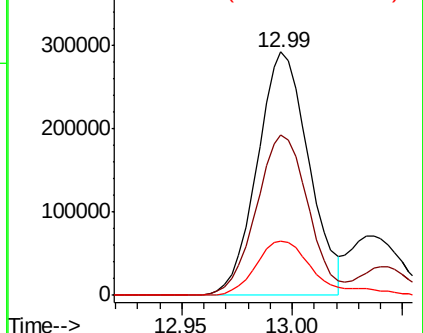
#79
tert-butylbenzene
Concen: 20.105 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Instrument :
MSVOA_N
ClientSampleId :
ICVVN083019

Tgt Ion:119 Resp: 472285
Ion Ratio Lower Upper
119 100
91 66.5 0.0 137.6
134 23.4 0.0 47.8

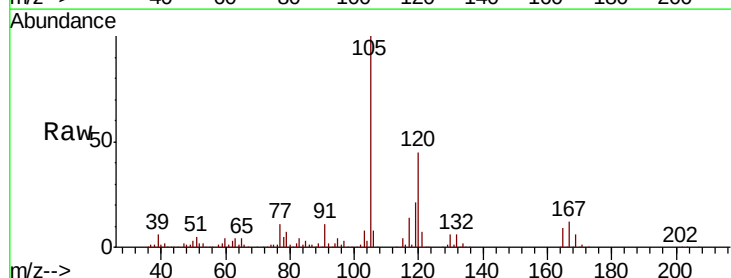


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

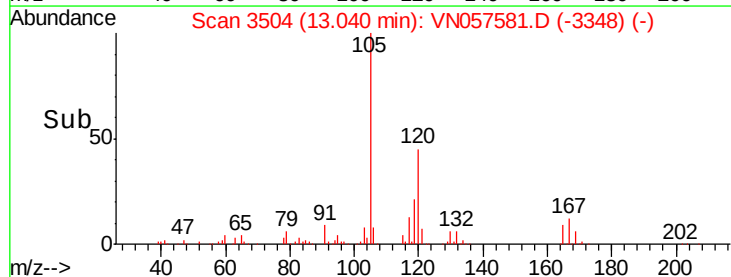
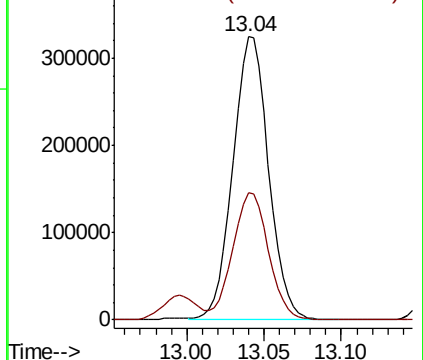


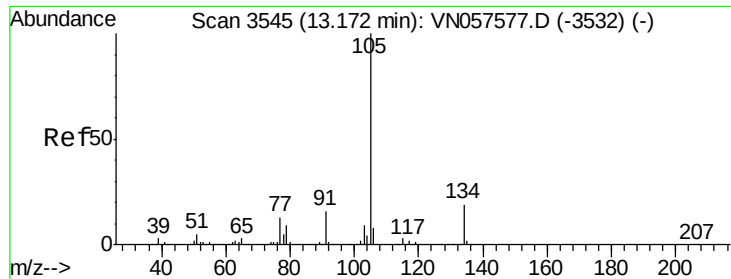
#80
1,2,4-Trimethylbenzene
Concen: 21.350 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion:105 Resp: 517297
Ion Ratio Lower Upper
105 100
120 45.0 0.0 87.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

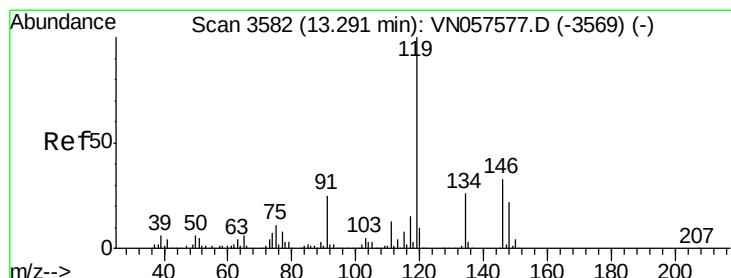
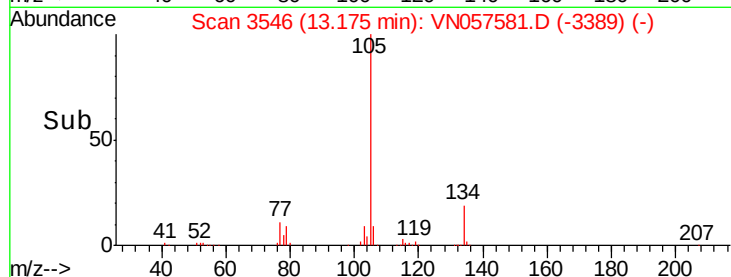
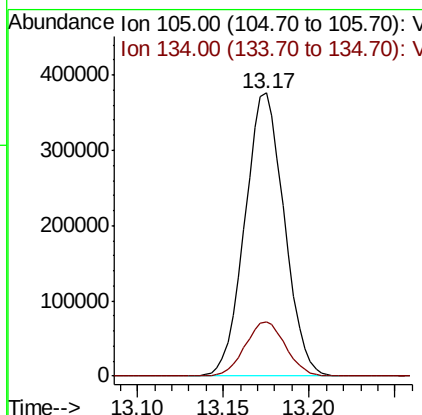
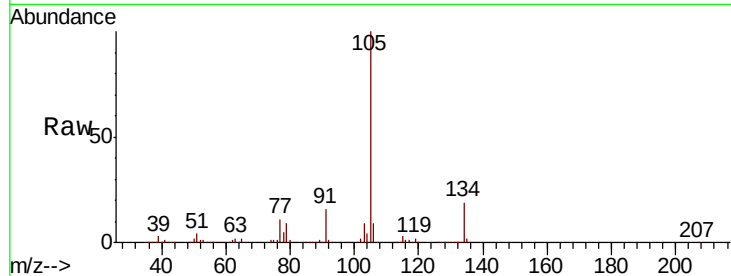




#81
 sec-Butylbenzene
 Concen: 20.954 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

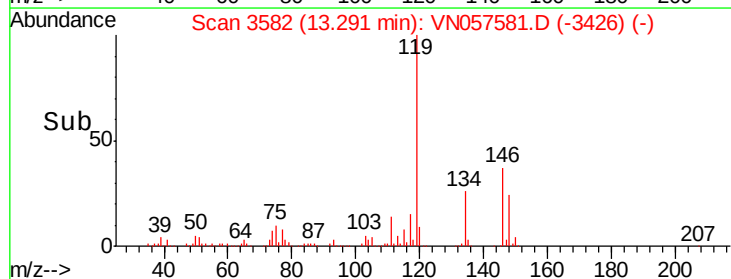
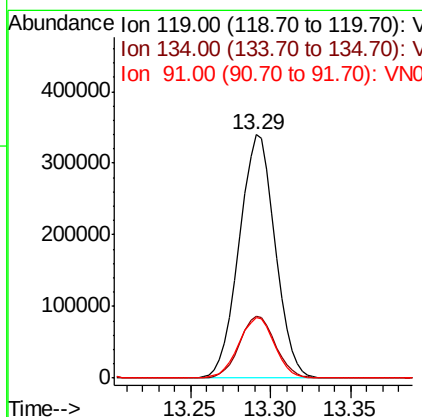
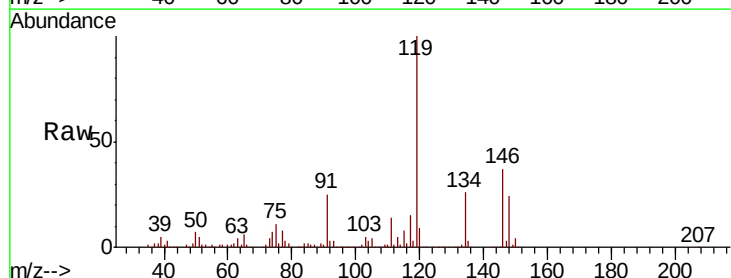
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

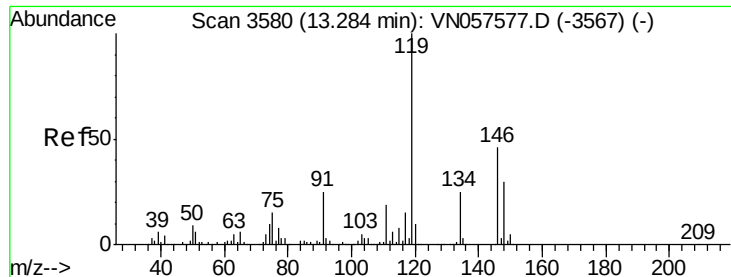
Tgt Ion:105 Resp: 598367
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 20.513 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion:119 Resp: 519460
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 51.6
 91 24.9 0.0 50.8

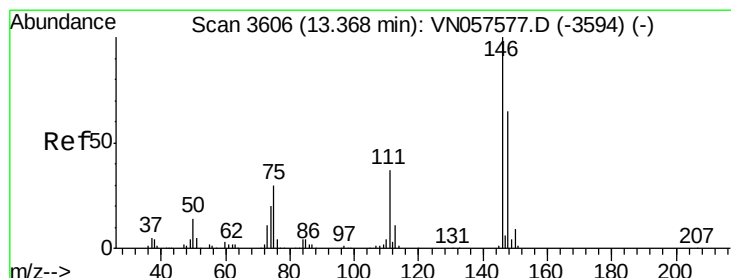
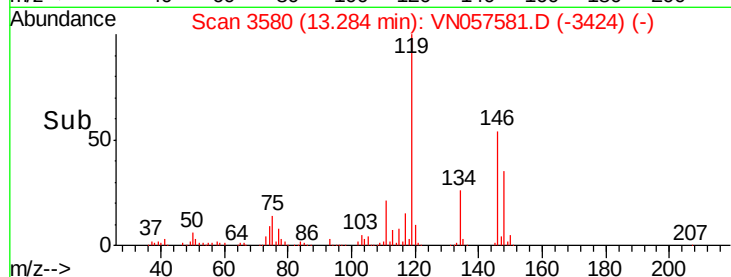
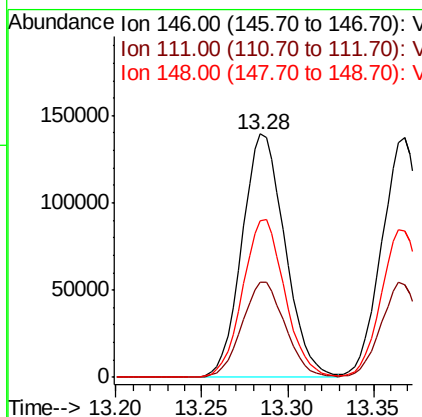
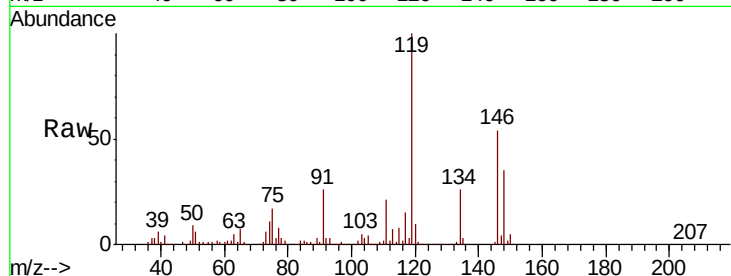




#83
 1,3-Dichlorobenzene
 Concen: 19.314 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

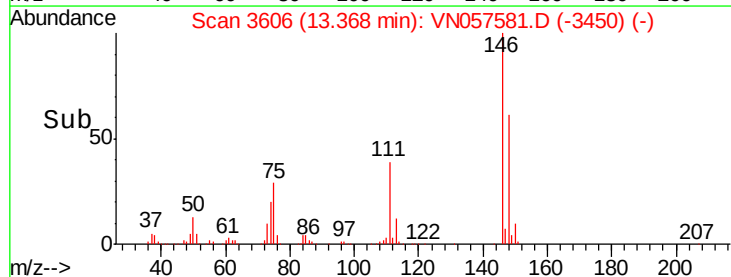
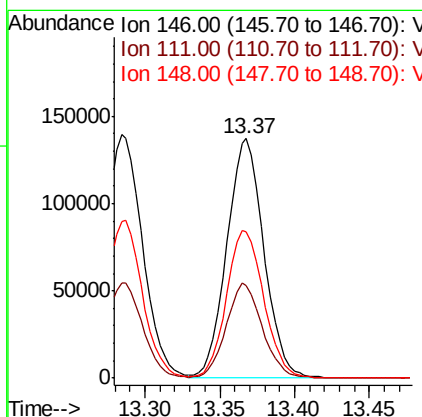
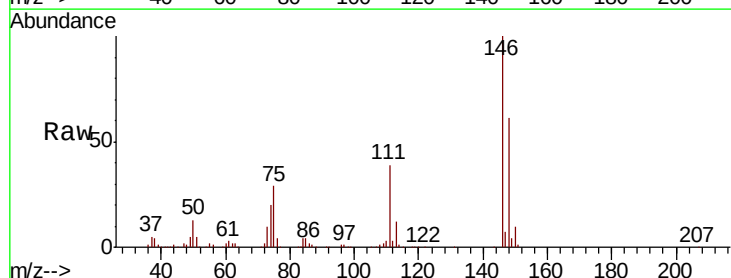
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

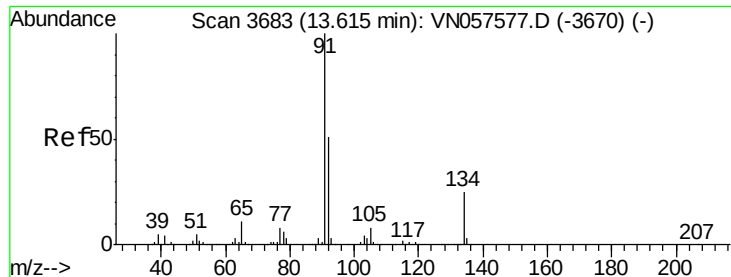
Tgt Ion:146 Resp: 242562
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 63.5 32.3 96.9



#84
 1,4-Dichlorobenzene
 Concen: 19.671 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion:146 Resp: 236950
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.9
 148 62.0 32.2 96.6





#85

n-Butylbenzene

Concen: 20.494 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057581.D

Acq: 30 Aug 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

ICVVN083019

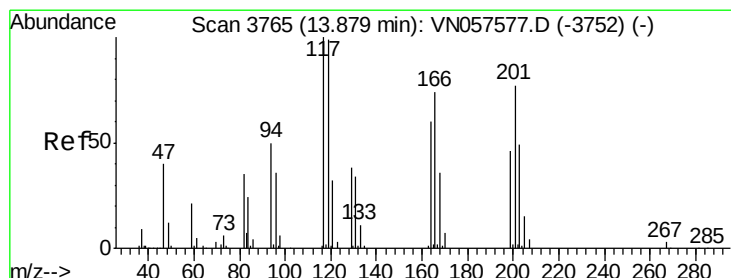
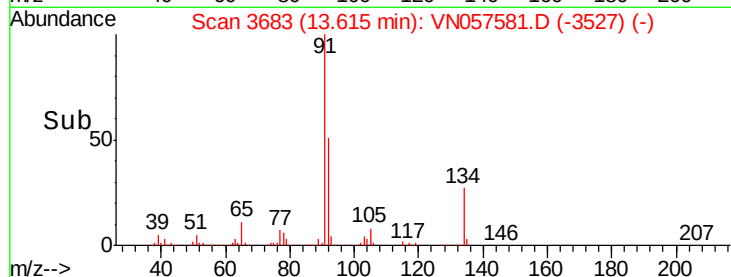
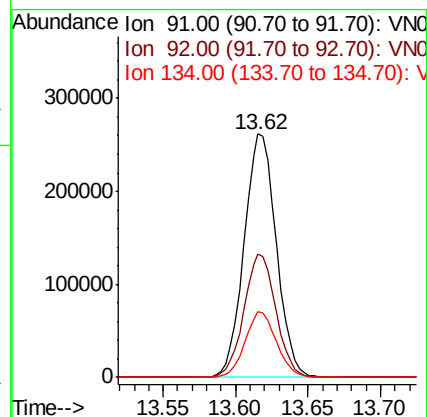
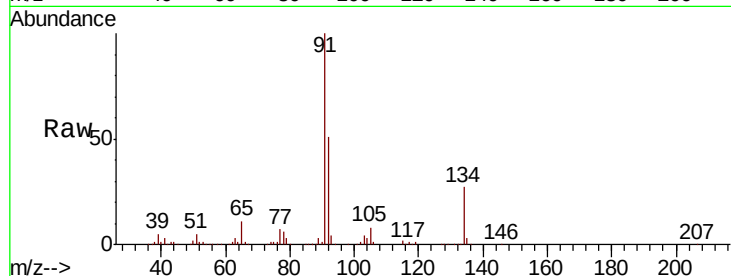
Tgt Ion: 91 Resp: 404179

Ion Ratio Lower Upper

91 100

92 50.1 0.0 103.0

134 26.2 0.0 51.0



#86

Hexachloroethane

Concen: 18.232 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057581.D

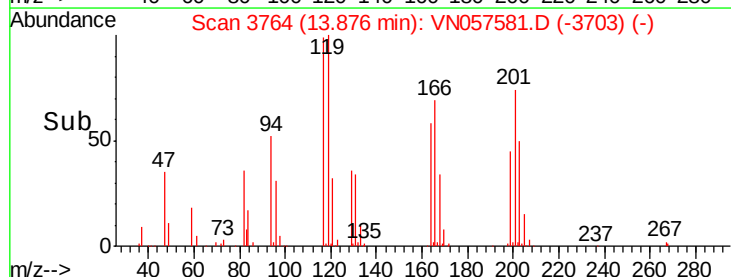
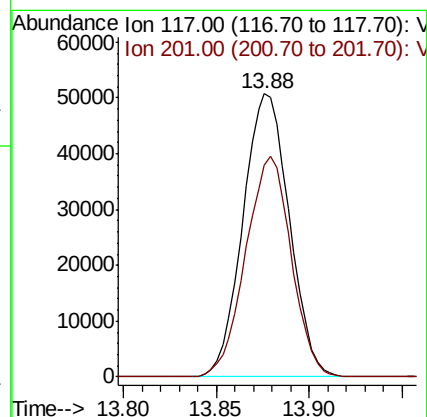
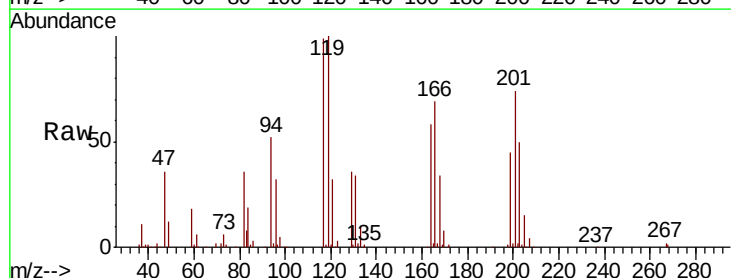
Acq: 30 Aug 2019 11:15

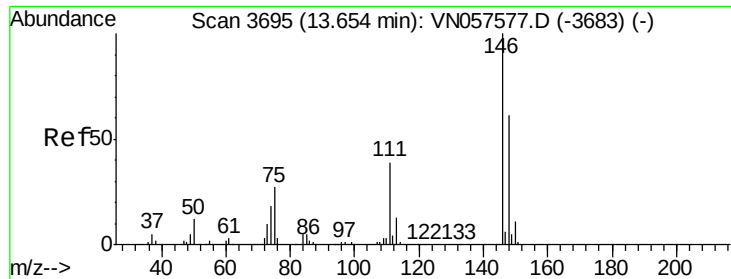
Tgt Ion: 117 Resp: 88291

Ion Ratio Lower Upper

117 100

201 76.8 38.0 113.9

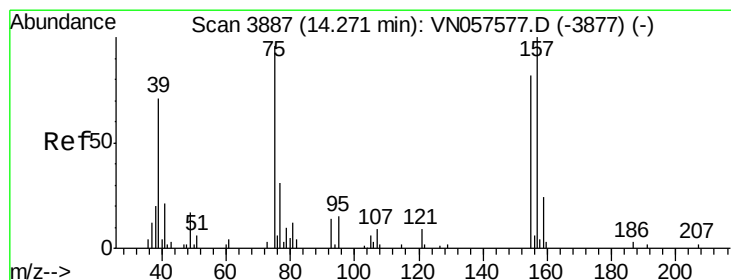
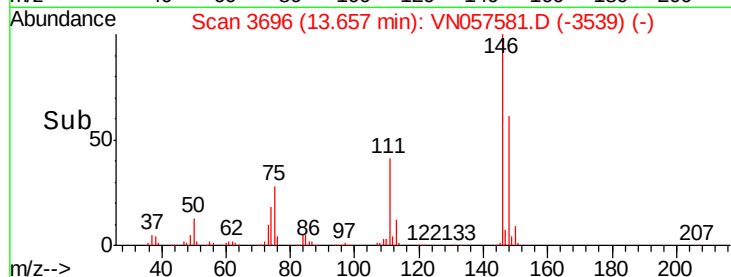
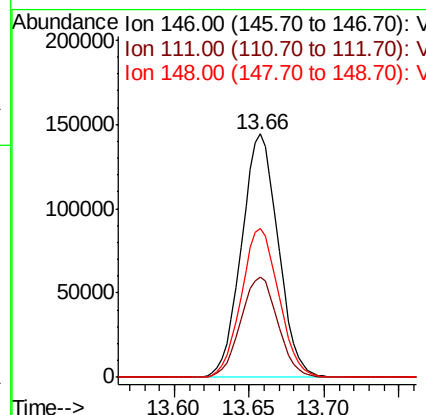
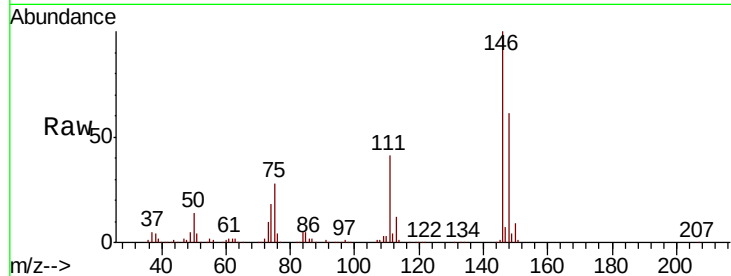




#87
 1,2-Dichlorobenzene
 Concen: 20.410 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

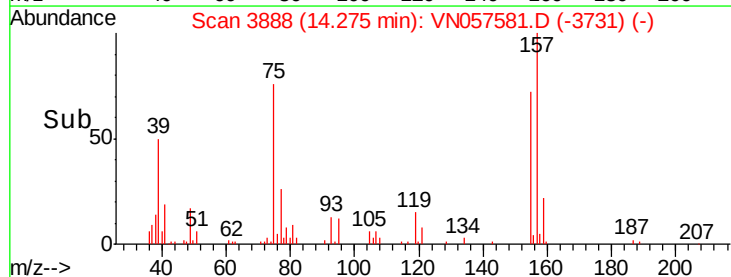
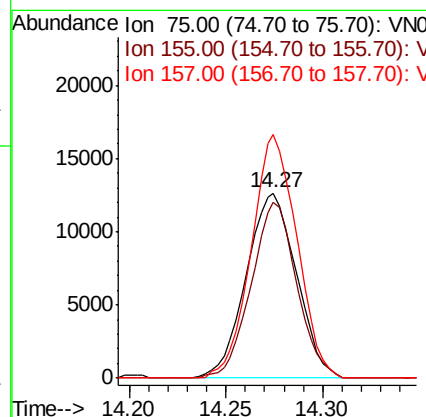
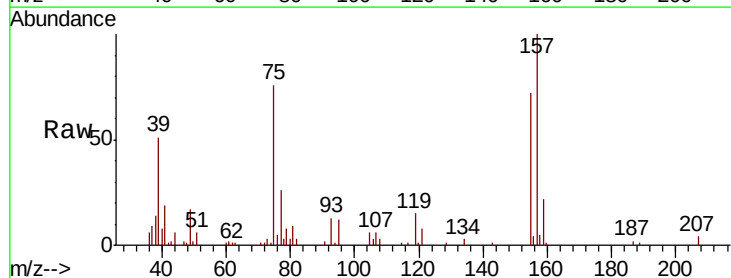
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

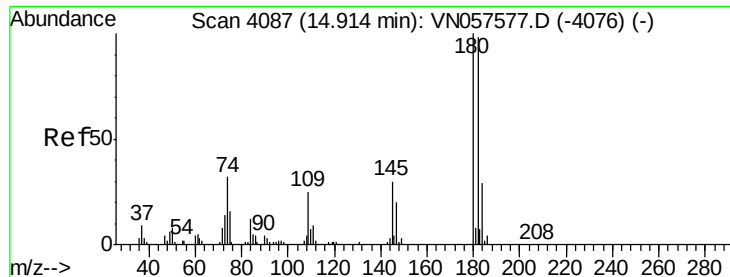
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.6
148	62.6	31.2	93.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.817 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	66.5	99.7
157	119.0	88.4	132.6

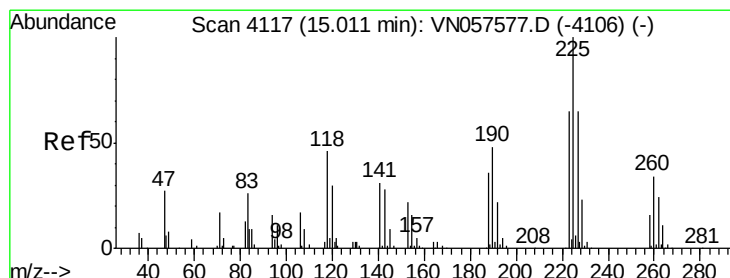
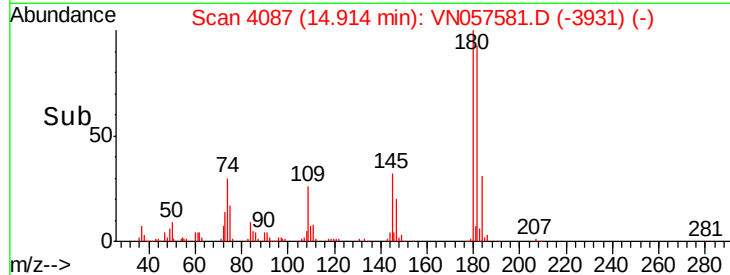
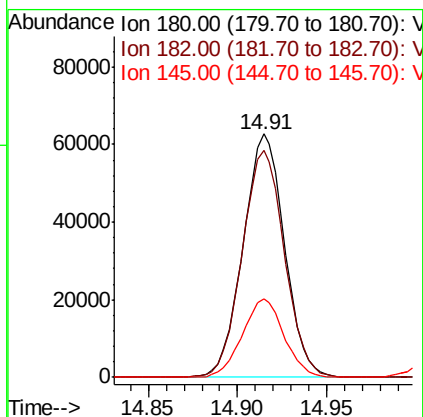
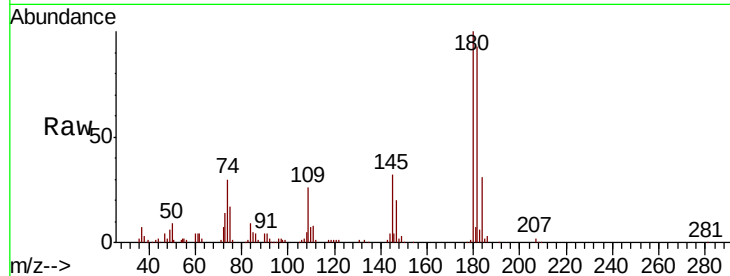




#89
 1,2,4-Trichlorobenzene
 Concen: 22.801 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

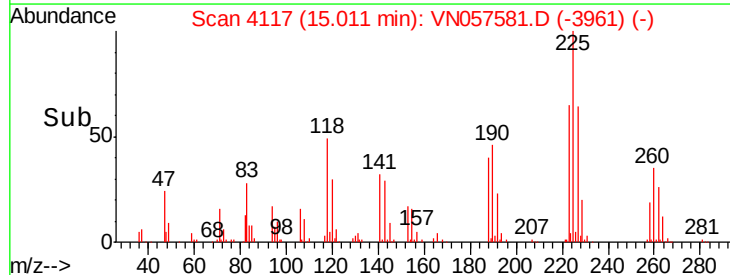
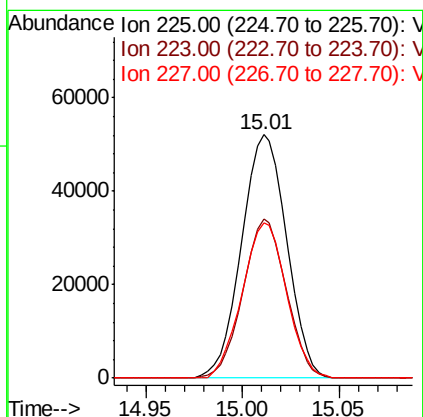
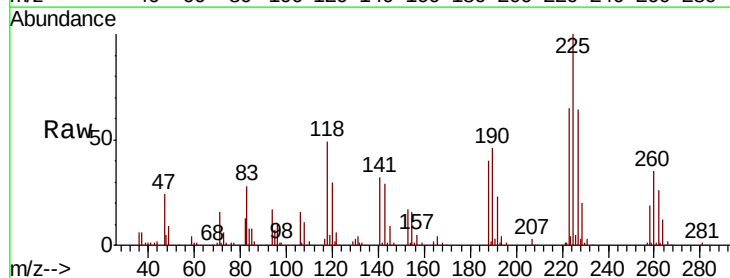
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

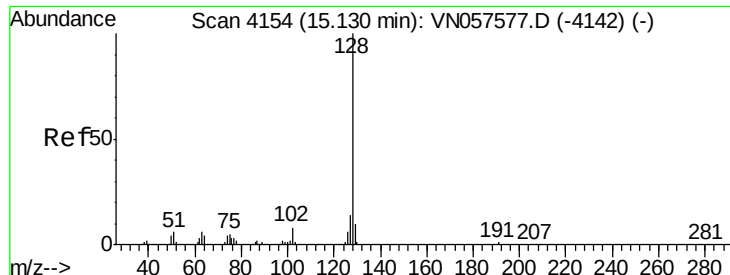
Tgt Ion:180 Resp: 101416
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 115.0
 145 32.3 24.4 36.6



#90
 Hexachlorobutadiene
 Concen: 22.131 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057581.D
 Acq: 30 Aug 2019 11:15

Tgt Ion:225 Resp: 84666
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 130.6
 227 62.4 0.0 131.0

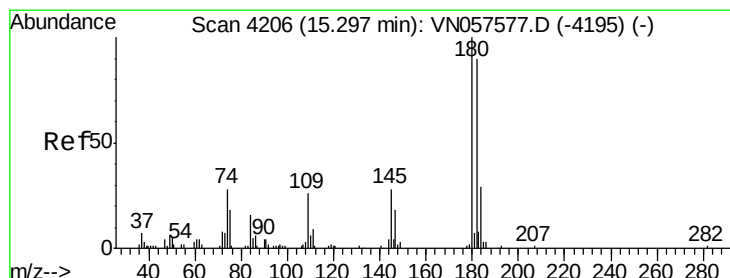
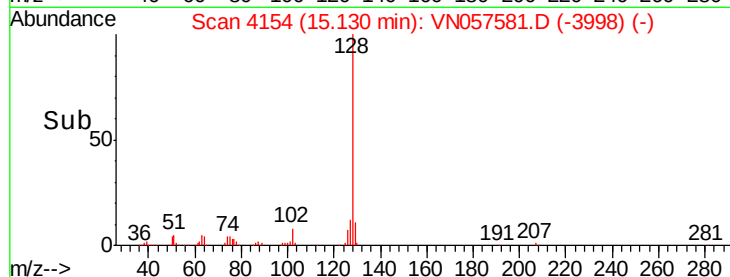
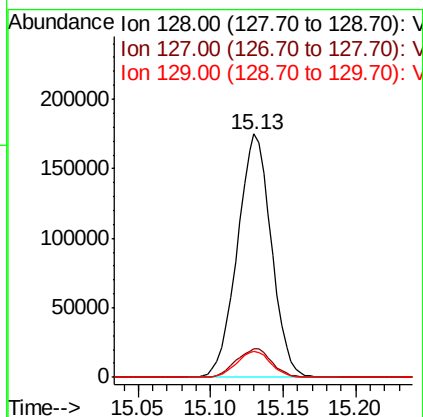
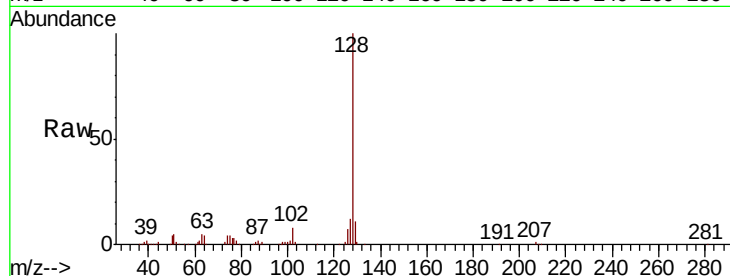




#91
Naphthalene
Concen: 22.952 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Instrument :
MSVOA_N
ClientSampleId :
ICVVN083019

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	10.7	8.1	12.1



#92
1,2,3-Trichlorobenzene
Concen: 23.221 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057581.D
Acq: 30 Aug 2019 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	0.0	181.0
145	31.9	0.0	62.2

