

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057467.D
 Acq On : 23 Aug 2019 11:53
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

Quant Time: Aug 23 23:18:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71905	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	420630	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	351640	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	208038	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	12.40	95	170170	29.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.83%
63) Toluene-d8	10.08	98	531998	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	84831	22.551	ug/l 97
3) Chloromethane	2.05	50	123178	21.806	ug/l 95
4) Vinyl Chloride	2.17	62	148192	20.650	ug/l 99
5) Bromomethane	2.55	94	99805	21.498	ug/l 99
6) Chloroethane	2.69	64	98121	20.413	ug/l 96
7) Trichlorofluoromethane	3.00	101	232870	20.402	ug/l 95
8) Diethyl Ether	3.39	74	90223	20.576	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	134966	20.994	ug/l 99
10) 1,1-Dichloroethene	3.71	96	124334	20.033	ug/l 98
11) Methyl Iodide	3.92	142	95273	17.077	ug/l 97
12) Methyl Acetate	4.31	43	127918	20.460	ug/l 100
13) Acrolein	3.59	56	80099	100.736	ug/l 100
14) Acrylonitrile	4.97	53	222504	102.442	ug/l 99
15) Acetone	3.80	58	115060	113.240	ug/l 84
16) Carbon Disulfide	4.02	76	227916	20.617	ug/l 100
17) Allyl chloride	4.29	41	175984	20.784	ug/l 96
18) Methylene Chloride	4.53	84	94325	20.724	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	88003	20.532	ug/l 93
20) Diisopropyl ether	5.94	45	369595	20.446	ug/l 98
21) 1,1-Dichloroethane	5.82	63	194754	20.734	ug/l 96
22) cis-1,2-Dichloroethene	6.81	96	107905	20.698	ug/l 99
23) tert-Butyl Alcohol	4.80	59	83600	105.958	ug/l 100
24) Methyl tert-Butyl Ether	5.03	73	298895	20.844	ug/l 99
25) Chloroform	7.36	83	185920	19.936	ug/l 98
26) Cyclohexane	7.64	56	168154	20.104	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	141028	19.728	ug/l 99
30) 2-Butanone	6.83	43	349237	101.611	ug/l 99
31) 2,2-Dichloropropane	6.81	77	171936	21.051	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	161876	19.808	ug/l 99
33) Carbon Tetrachloride	7.76	117	131658	19.401	ug/l 95
34) Benzene	8.03	78	418496	19.907	ug/l 97
35) Methacrylonitrile	7.16	41	68686	19.746	ug/l 98
36) 1,2-Dichloroethane	8.02	62	4678	0.568	ug/l 99
37) Trichloroethene	8.83	130	94273	19.656	ug/l 100
38) Methylcyclohexane	9.07	83	161974	20.187	ug/l 98
39) 1,2-Dichloropropane	9.11	63	118628	19.846	ug/l 95
40) Dibromomethane	9.20	93	71658	19.616	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	148059	19.110	ug/l	98
42) Vinyl Acetate	5.88	43	1521627	98.930	ug/l	100
43) Ethyl Acetate	6.92	43	138978	20.774	ug/l	100
44) Isopropyl Acetate	8.16	43	254984	19.966	ug/l #	92
45) 1,4-Dioxane	9.20	88	31476	410.037	ug/l	97
46) Methyl methacrylate	9.19	41	119222	19.657	ug/l	97
47) n-amyl Acetate	12.07	43	196137	19.082	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	157245	19.212	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	178969	19.894	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	95242	19.883	ug/l	97
51) Ethyl methacrylate	10.43	69	156129	19.607	ug/l	96
52) 1,3-Dichloropropane	10.70	76	173518	19.868	ug/l	100
53) Dibromochloromethane	10.90	129	99719	19.527	ug/l	100
54) 1,2-Dibromoethane	11.00	107	94465	19.273	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	186944	95.240	ug/l	99
56) Bromoform	12.13	173	58311	19.132	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	710715	103.027	ug/l	100
59) 2-Hexanone	10.75	43	504580	105.528	ug/l	100
61) Tetrachloroethene	10.63	164	81101	20.111	ug/l	92
62) Toluene	10.15	91	427376	19.886	ug/l	98
64) Chlorobenzene	11.43	112	235498	20.156	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	88896	20.021	ug/l	99
66) Ethyl Benzene	11.51	91	462389	20.103	ug/l	100
67) m/p-Xylenes	11.62	106	327634	41.069	ug/l	95
68) o-Xylene	11.95	106	156680	19.874	ug/l	97
69) Styrene	11.96	104	249630	19.821	ug/l	98
70) Isopropylbenzene	12.25	105	421381	19.980	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	125244	20.535	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	162679	29.383	ug/l	62
73) Bromobenzene	12.53	156	83537	19.569	ug/l	96
74) n-propylbenzene	12.59	91	481838	20.035	ug/l	99
75) 2-Chlorotoluene	12.68	91	284274	20.071	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	346952	20.045	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38495	19.389	ug/l	97
78) 4-Chlorotoluene	12.78	91	261725	19.557	ug/l	100
79) tert-butylbenzene	12.99	119	291424	19.787	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	331555	20.547	ug/l	99
81) sec-Butylbenzene	13.17	105	389076	20.047	ug/l	98
82) p-Isopropyltoluene	13.29	119	326410	20.005	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	129722	19.520	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	127360	19.700	ug/l	99
85) n-Butylbenzene	13.62	91	288255	20.264	ug/l	97
86) Hexachloroethane	13.88	117	67186	20.407	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	127370	19.516	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19722	19.268	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	42907	17.546	ug/l	99
90) Hexachlorobutadiene	15.01	225	41986	22.331	ug/l	97
91) Naphthalene	15.13	128	140428	21.656	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	46167	18.878	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
Response via : Initial Calibration

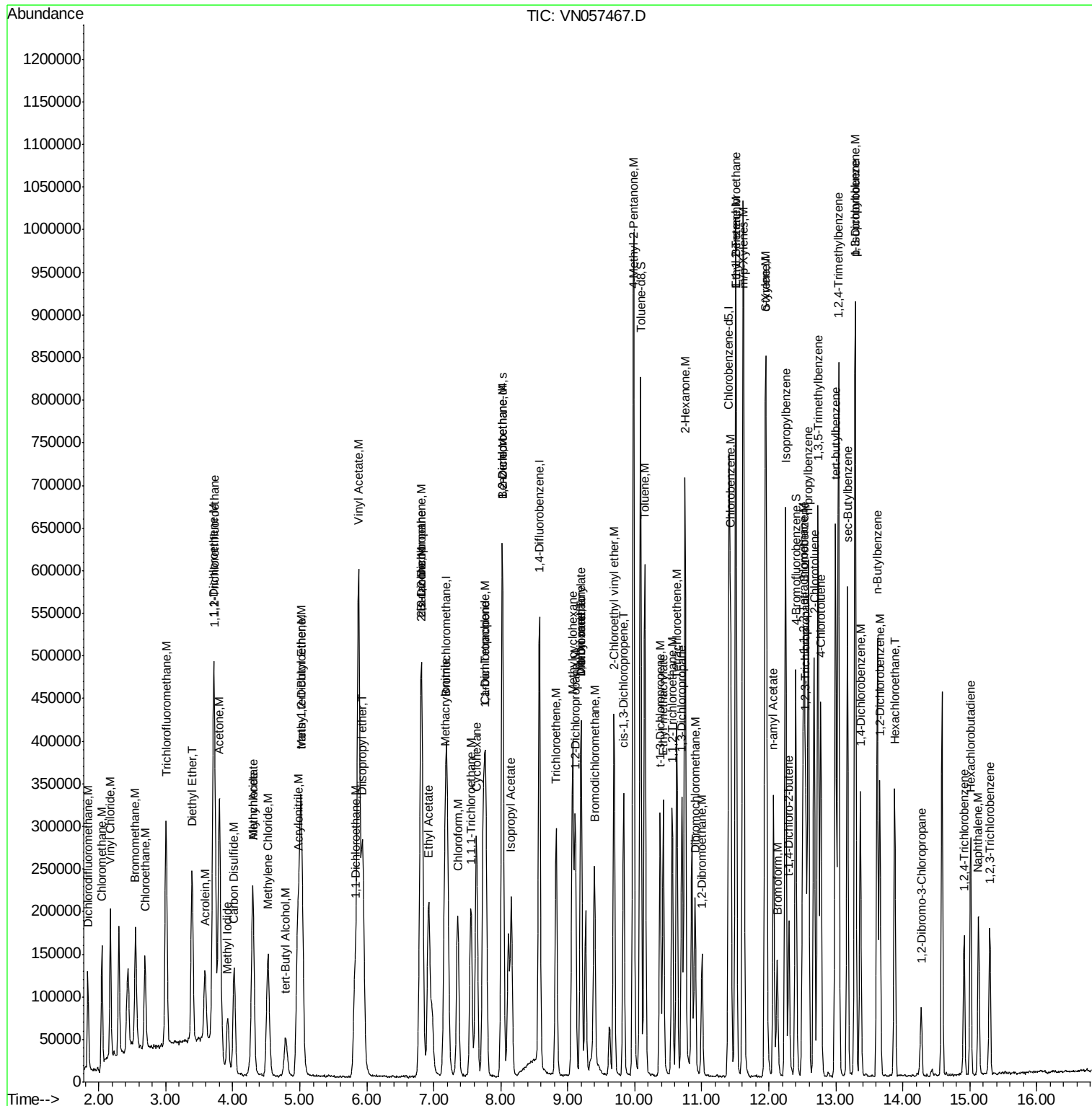
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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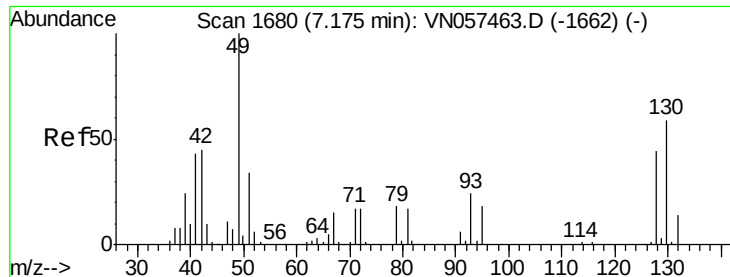
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
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Acq On : 23 Aug 2019 11:53
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Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Aug 23 23:18:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

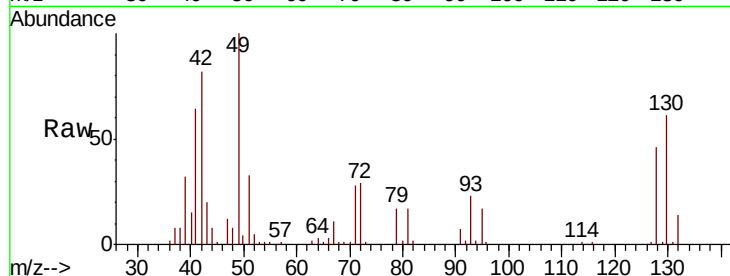
Tgt Ion:128 Resp: 71905

Ion Ratio Lower Upper

128 100

49 223.9 0.0 560.5

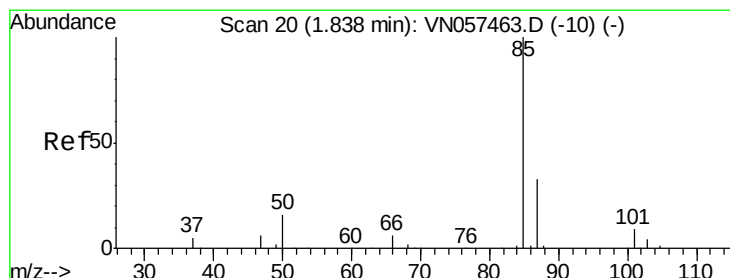
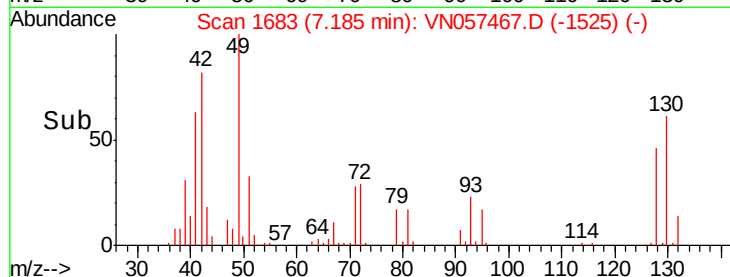
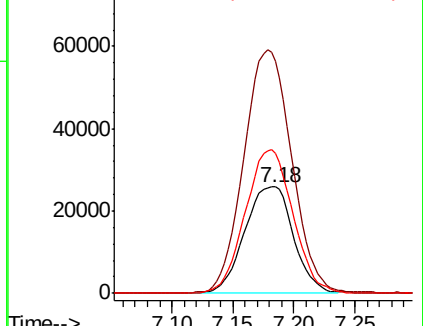
130 131.4 0.0 317.3



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: 22.551 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057467.D

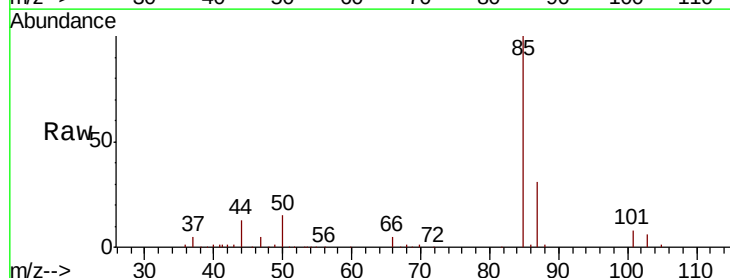
Acq: 23 Aug 2019 11:53

Tgt Ion: 85 Resp: 84831

Ion Ratio Lower Upper

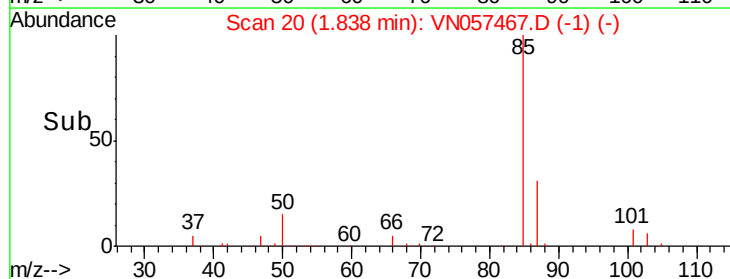
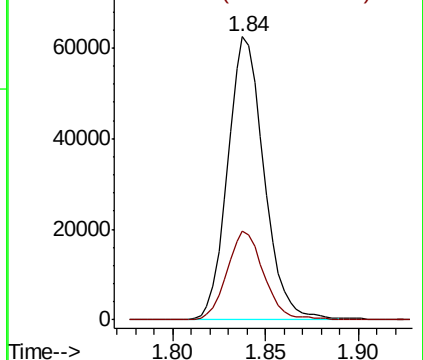
85 100

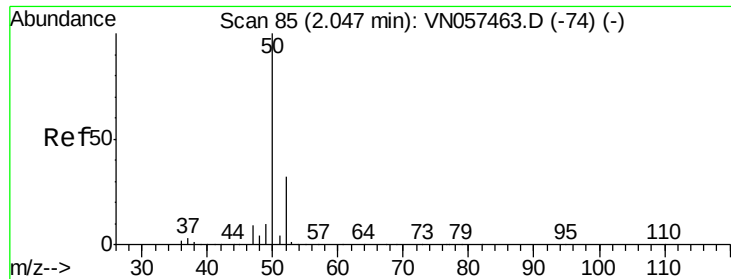
87 31.2 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.806 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

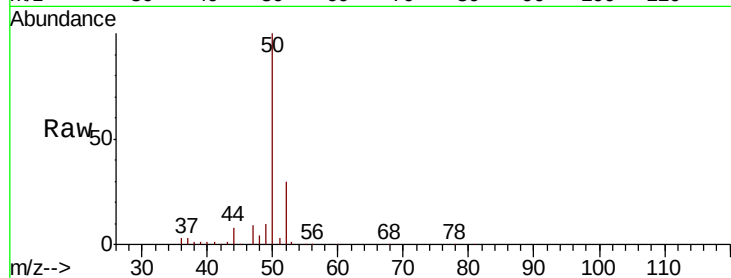
ICVVN082319

Tgt Ion: 50 Resp: 123178

Ion Ratio Lower Upper

50 100

52 29.6 25.8 38.6



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.05

100000

80000

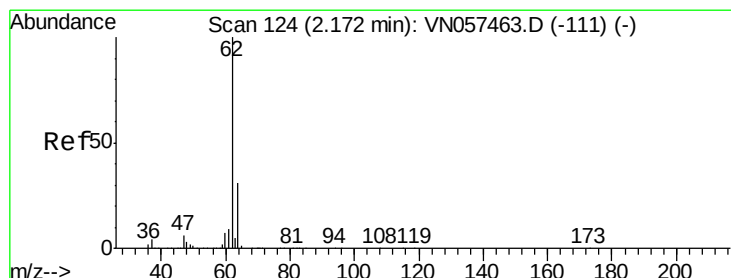
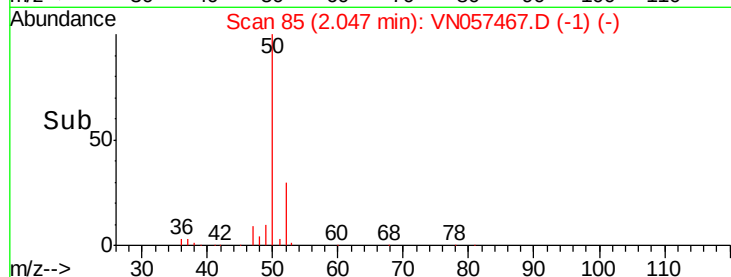
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.650 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057467.D

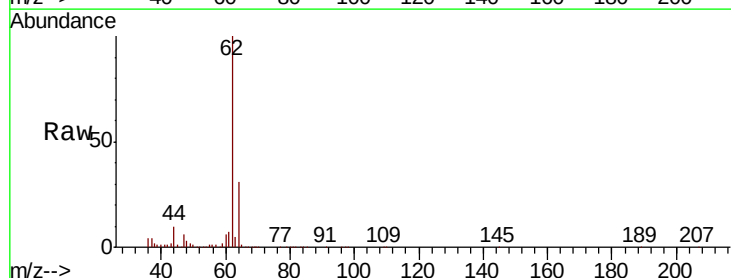
Acq: 23 Aug 2019 11:53

Tgt Ion: 62 Resp: 148192

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

120000

100000

80000

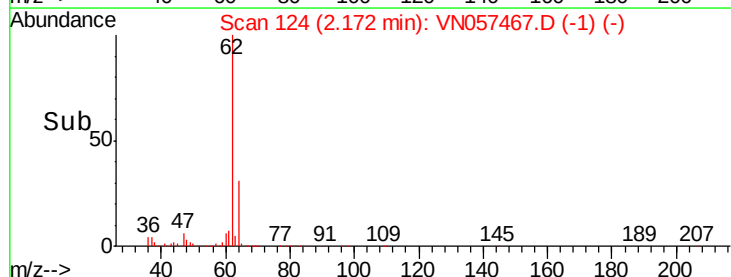
60000

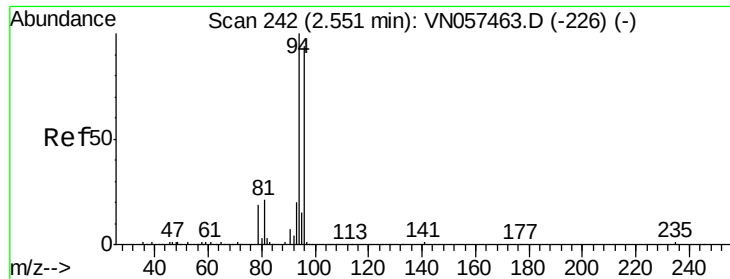
40000

20000

0

Time-->





#5

Bromomethane

Concen: 21.498 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

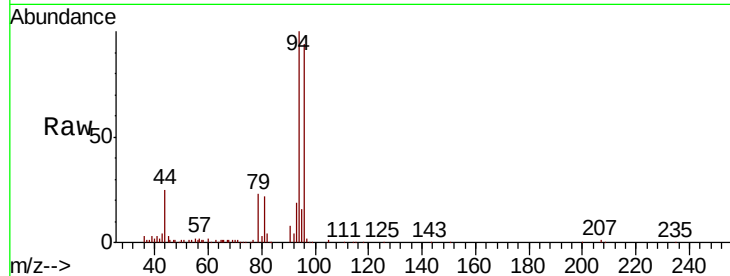
ICVVN082319

Tgt Ion: 94 Resp: 99805

Ion Ratio Lower Upper

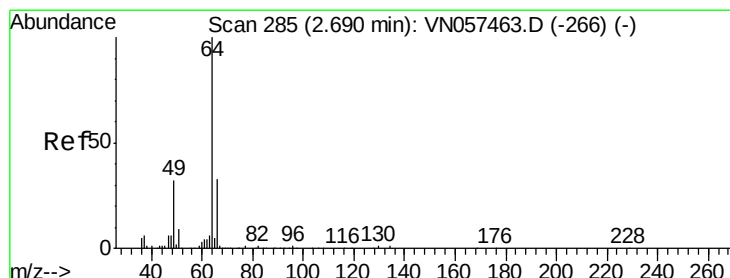
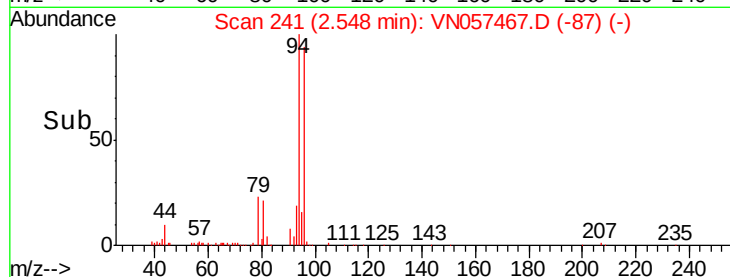
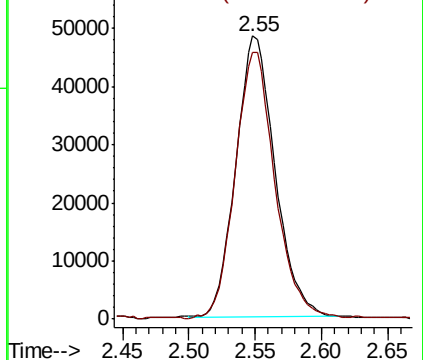
94 100

96 94.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.413 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057467.D

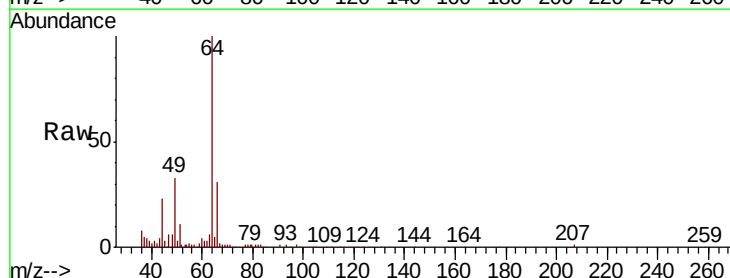
Acq: 23 Aug 2019 11:53

Tgt Ion: 64 Resp: 98121

Ion Ratio Lower Upper

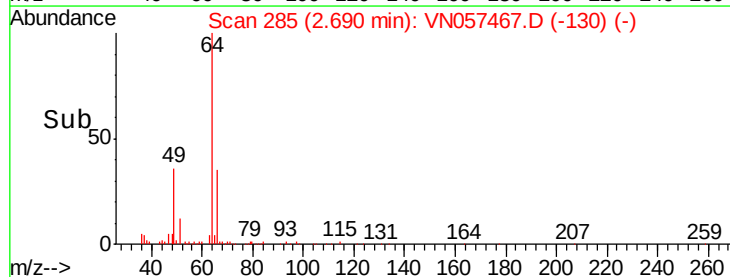
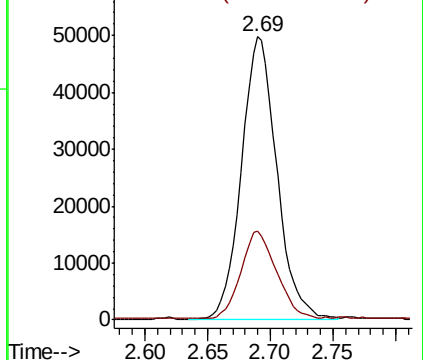
64 100

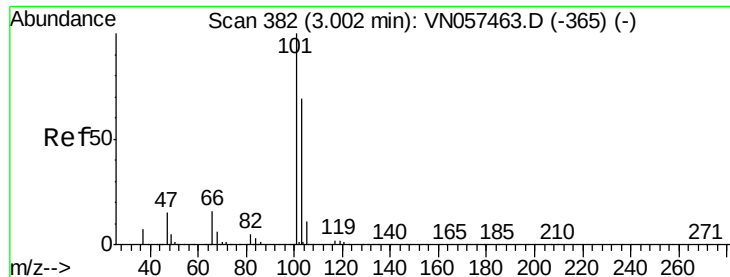
66 30.7 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



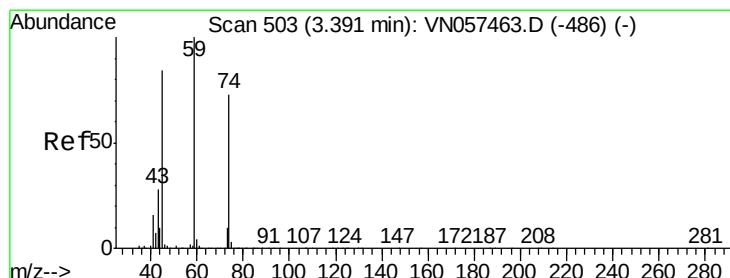
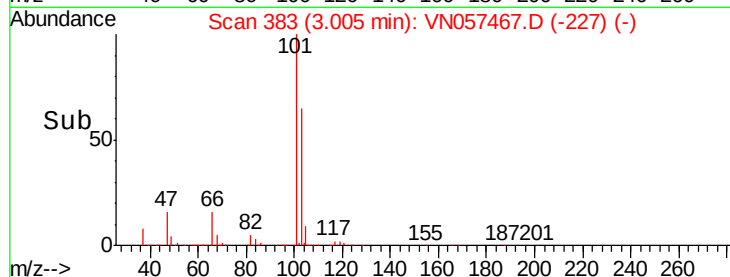
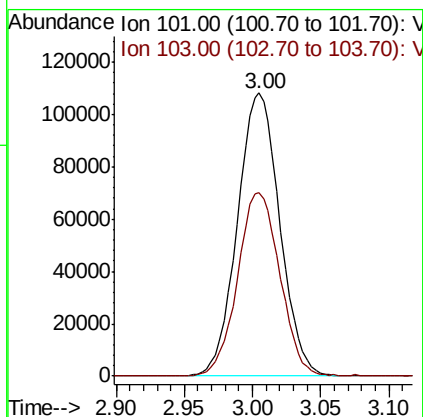
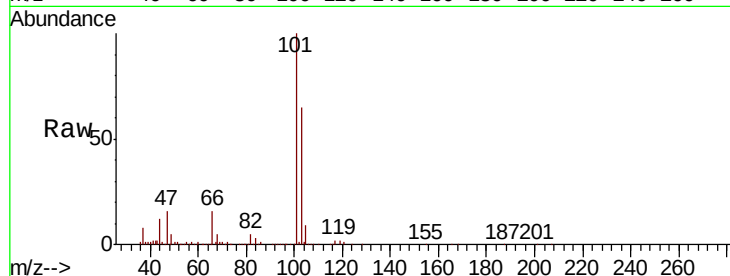


#7

Trichlorofluoromethane
 Concen: 20.402 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Instrument :
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 ICVVN082319

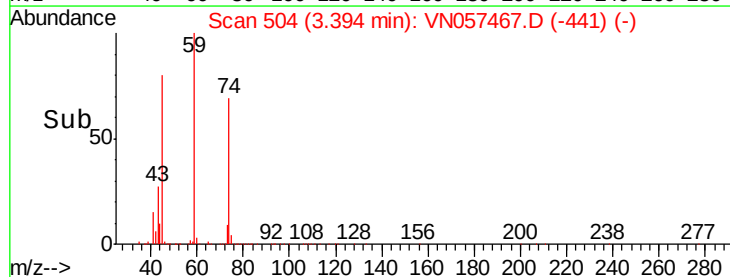
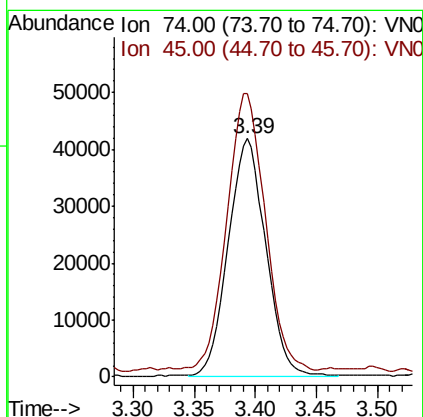
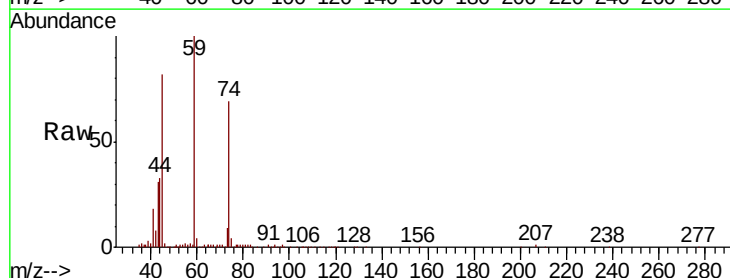
Tgt Ion:101 Resp: 232870
 Ion Ratio Lower Upper
 101 100
 103 64.5 55.0 82.4

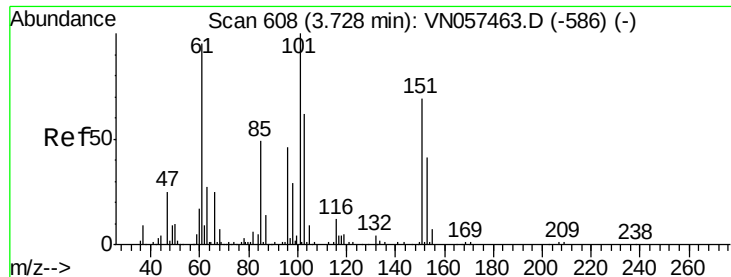


#8

Diethyl Ether
 Concen: 20.576 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 74 Resp: 90223
 Ion Ratio Lower Upper
 74 100
 45 118.3 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.994 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

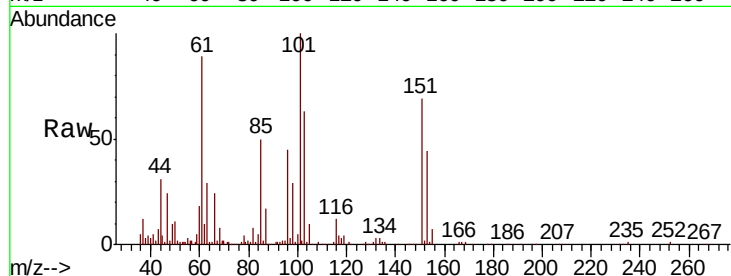
Tgt Ion: 101 Resp: 134966

Ion Ratio Lower Upper

101 100

85 49.6 0.0 101.6

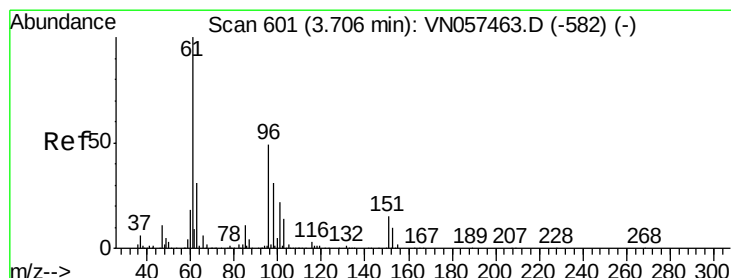
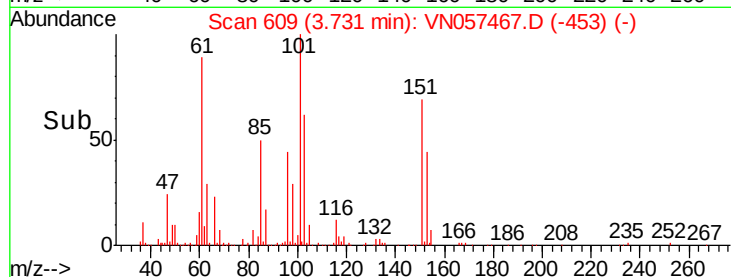
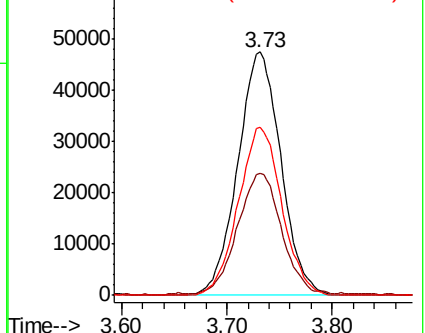
151 69.6 0.0 139.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.033 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.01 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

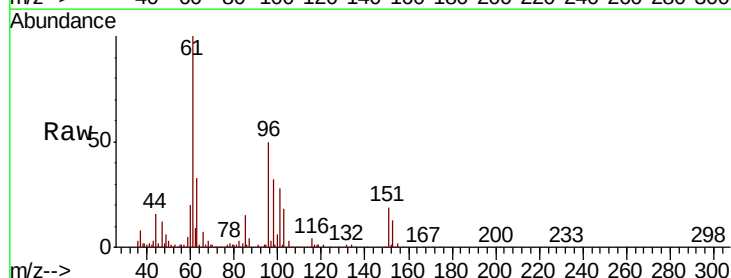
Tgt Ion: 96 Resp: 124334

Ion Ratio Lower Upper

96 100

61 200.1 162.6 244.0

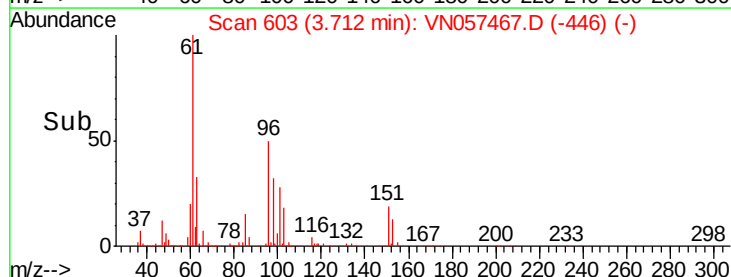
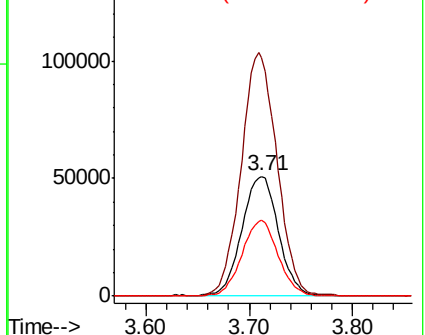
98 64.1 51.1 76.7

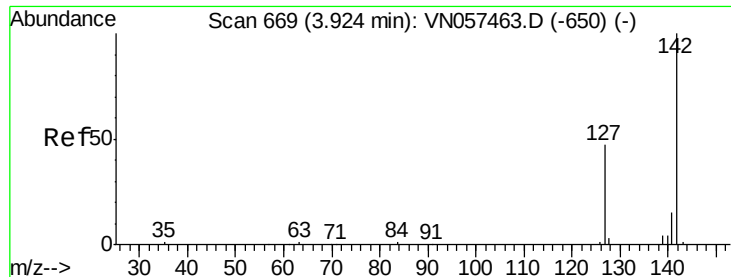


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

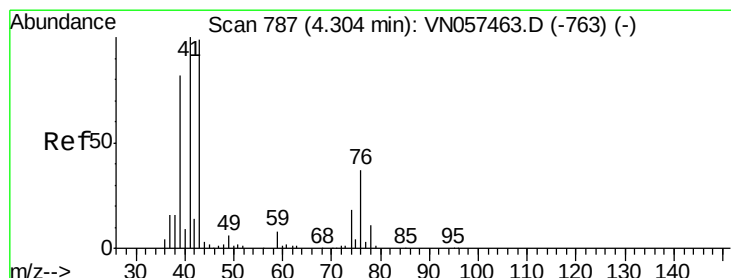
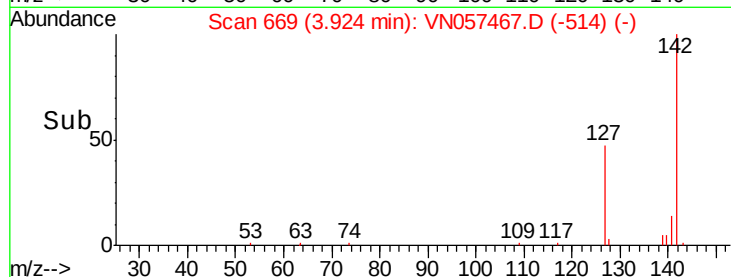
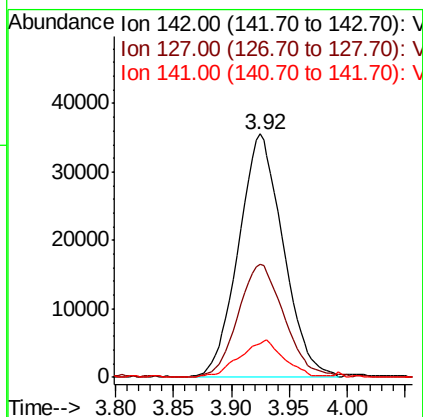
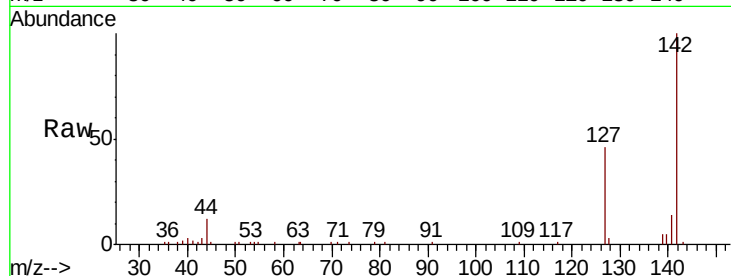




#11
Methyl Iodide
Concen: 17.077 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

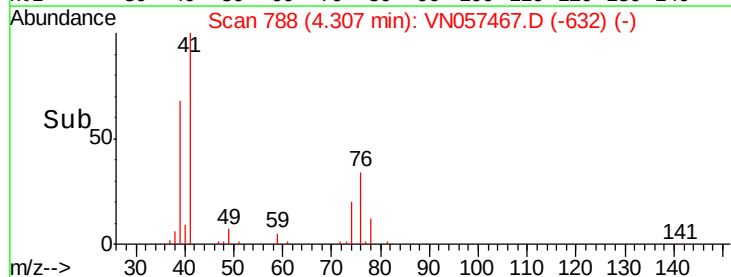
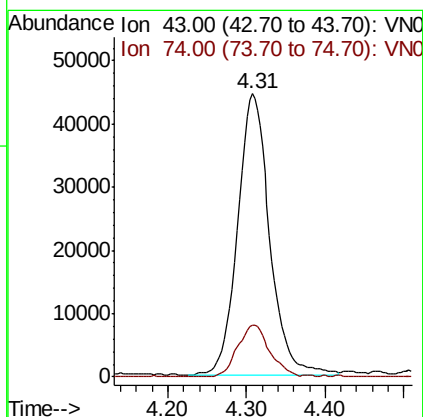
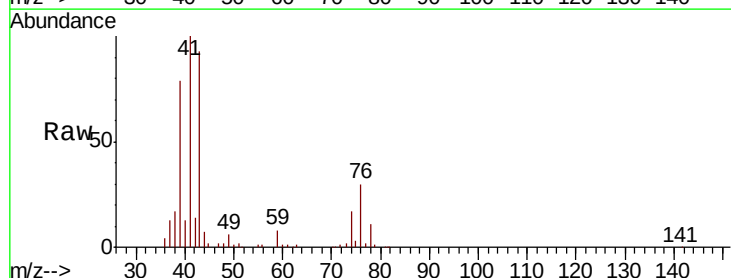
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

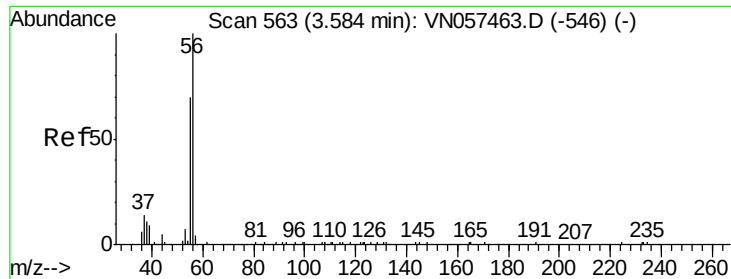
Tgt Ion:142 Resp: 95273
Ion Ratio Lower Upper
142 100
127 45.7 24.0 72.0
141 12.8 7.0 21.1



#12
Methyl Acetate
Concen: 20.460 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion: 43 Resp: 127918
Ion Ratio Lower Upper
43 100
74 18.3 14.6 22.0





#13

Acrolein

Concen: 100.736 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

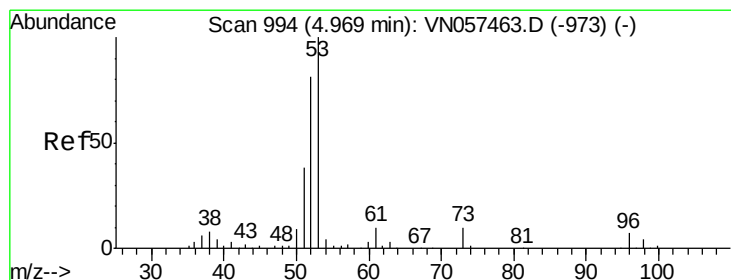
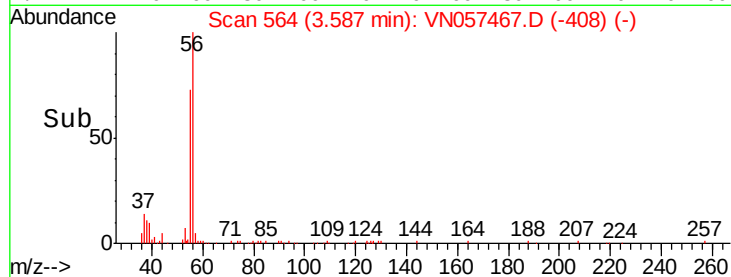
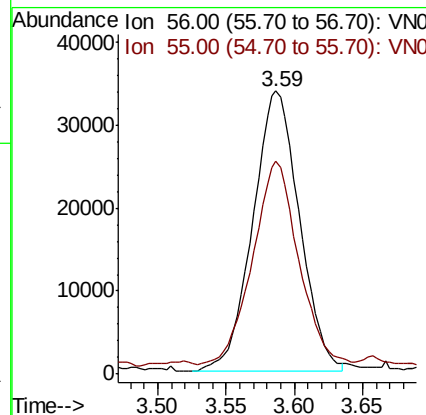
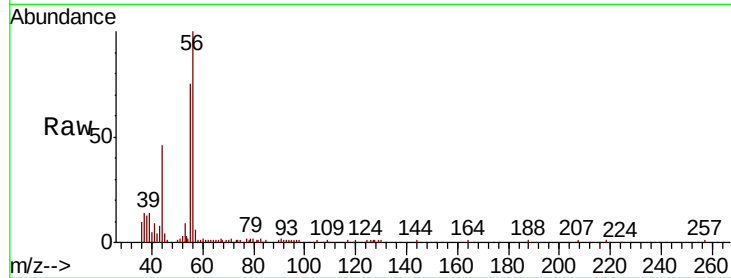
ICVVN082319

Tgt Ion: 56 Resp: 80099

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Acrylonitrile

Concen: 102.442 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

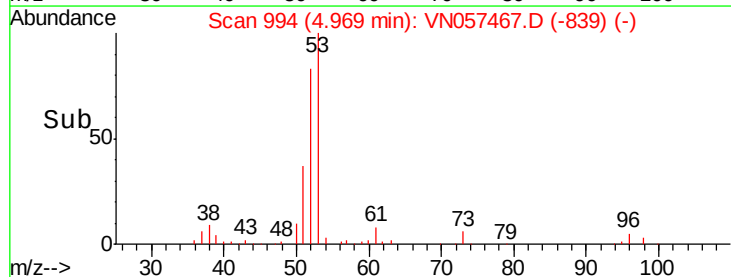
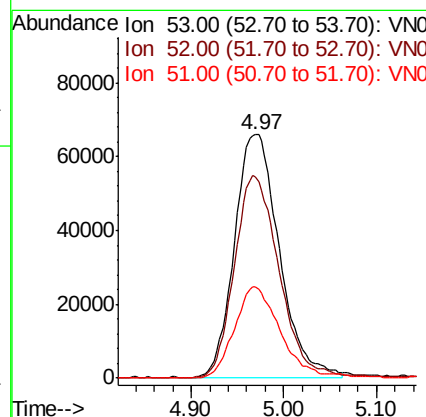
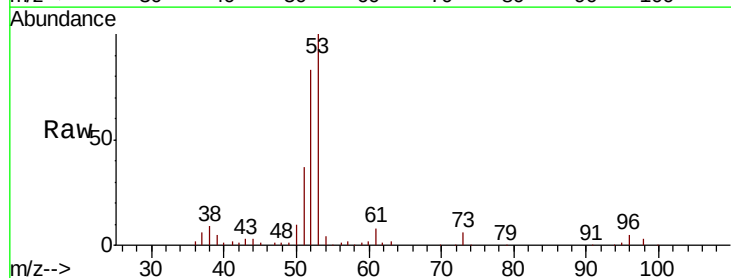
Tgt Ion: 53 Resp: 222504

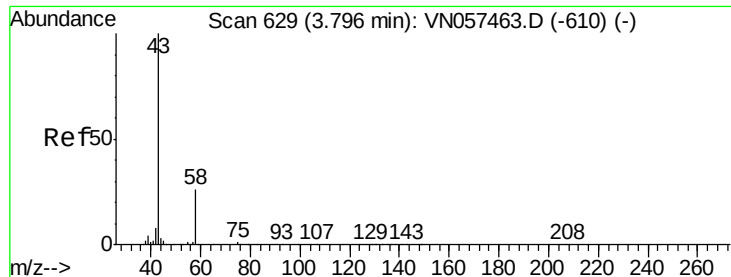
Ion Ratio Lower Upper

53 100

52 81.4 41.3 123.9

51 37.6 18.3 54.9





#15

Acetone

Concen: 113.240 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

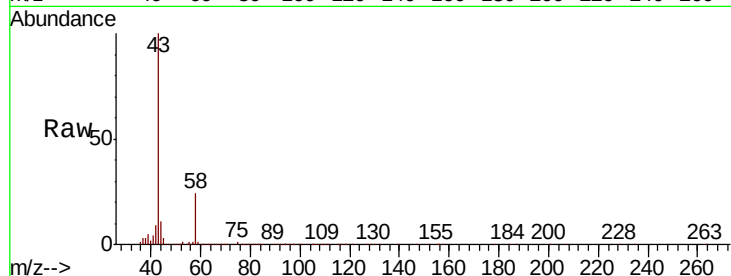
ICVFN082319

Tgt Ion: 58 Resp: 115060

Ion Ratio Lower Upper

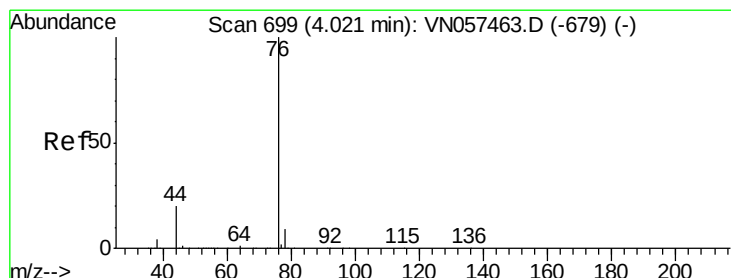
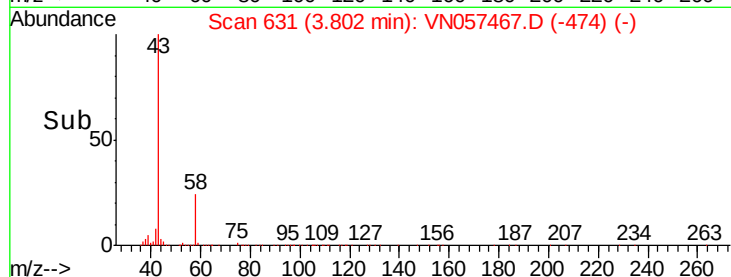
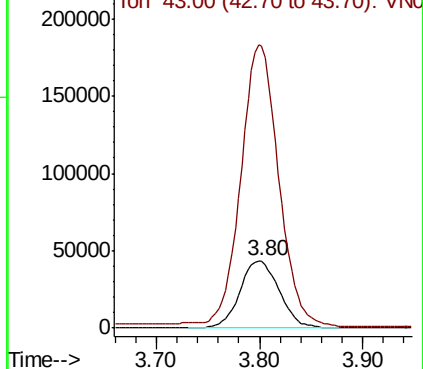
58 100

43 416.1 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.617 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN057467.D

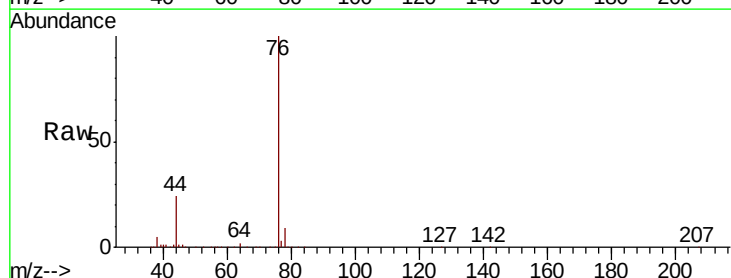
Acq: 23 Aug 2019 11:53

Tgt Ion: 76 Resp: 227916

Ion Ratio Lower Upper

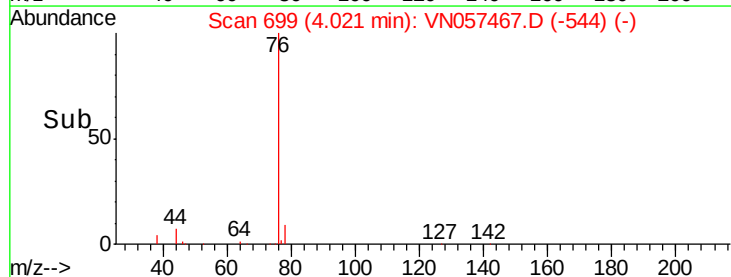
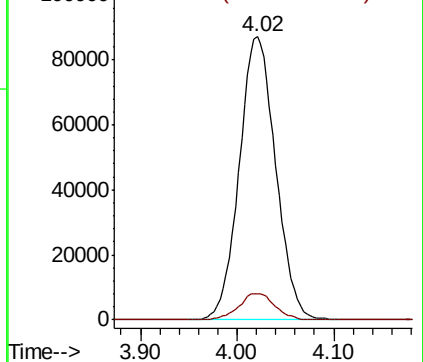
76 100

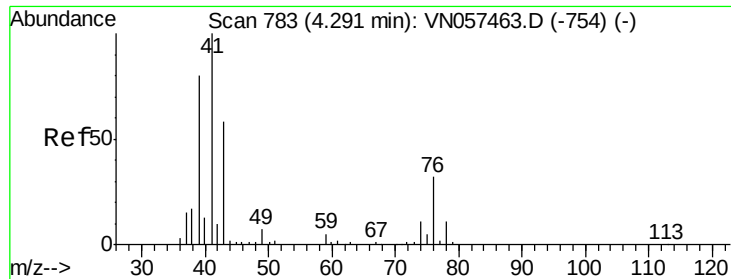
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

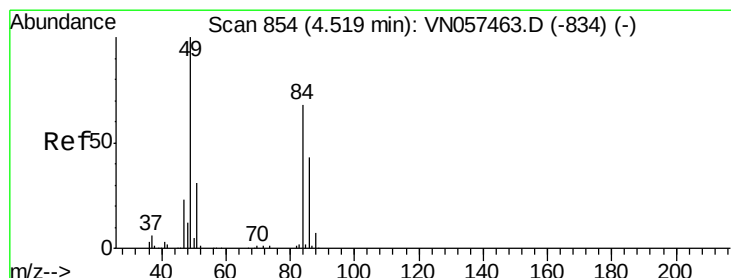
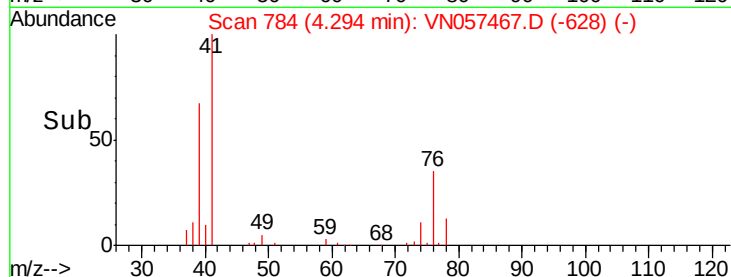
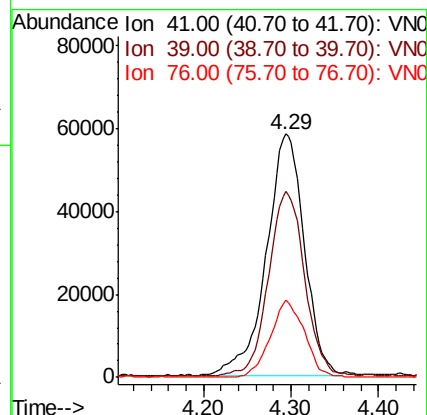
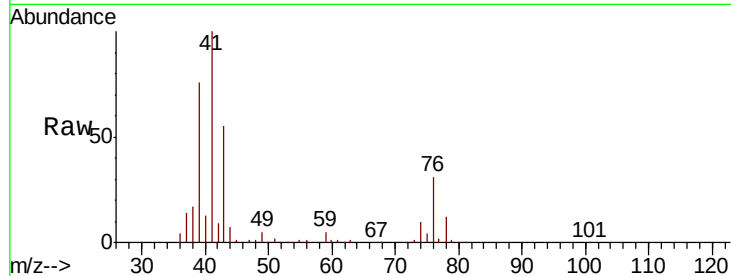




#17
 Allyl chloride
 Concen: 20.784 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

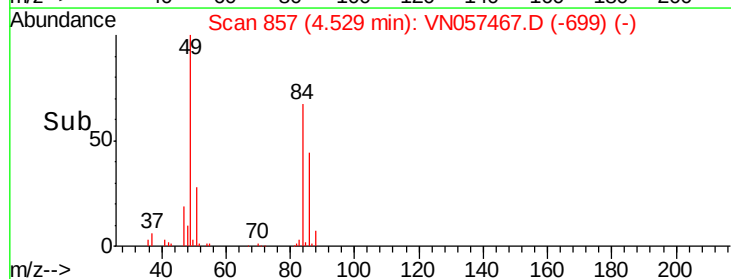
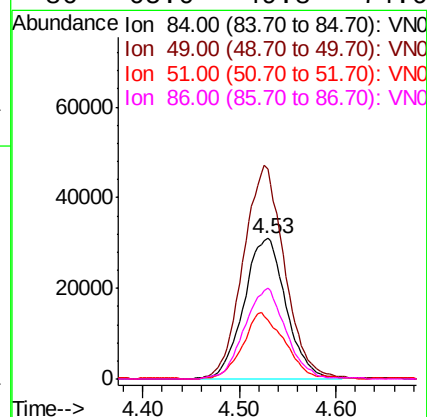
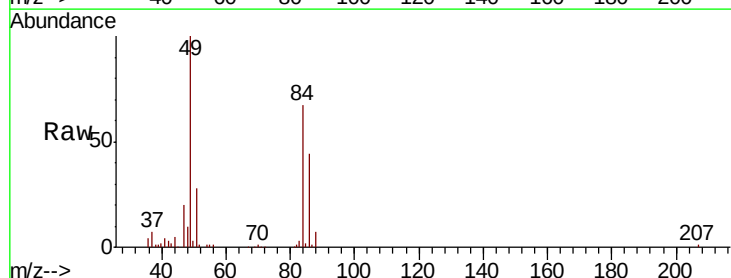
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

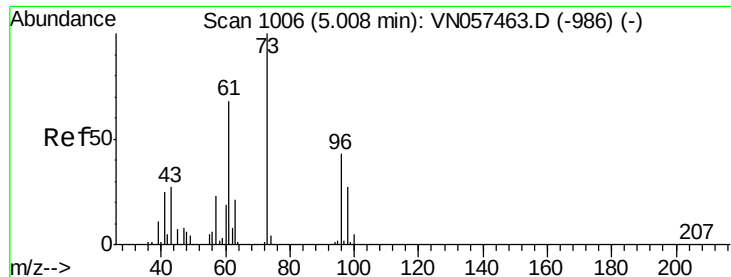
Tgt Ion: 41 Resp: 175984
 Ion Ratio Lower Upper
 41 100
 39 76.2 40.1 120.2
 76 31.3 16.2 48.6



#18
 Methylene Chloride
 Concen: 20.724 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 84 Resp: 94325
 Ion Ratio Lower Upper
 84 100
 49 148.9 116.8 175.2
 51 41.8 36.4 54.6
 86 65.0 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 20.532 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

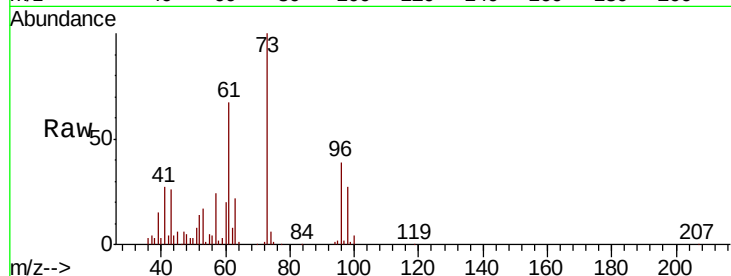
Tgt Ion: 96 Resp: 88003

Ion Ratio Lower Upper

96 100

61 168.8 127.6 191.4

98 68.7 51.5 77.3

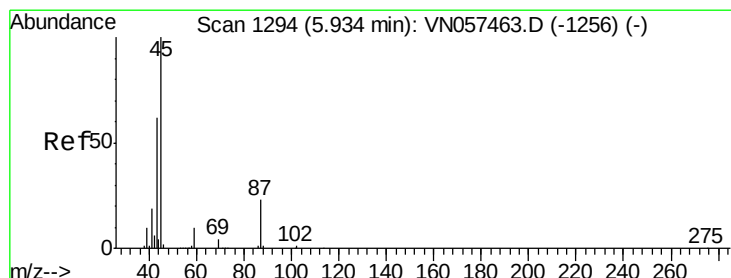
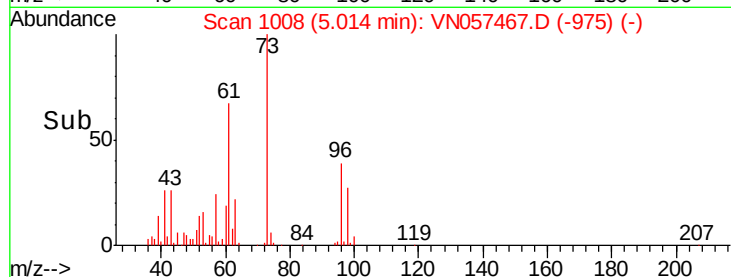
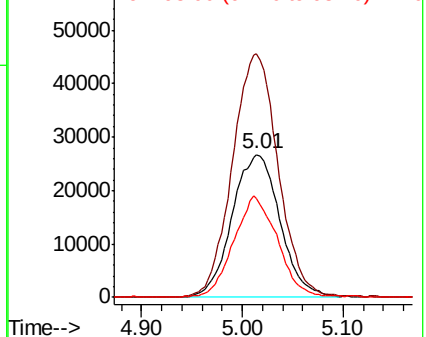


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.446 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Tgt Ion: 45 Resp: 369595

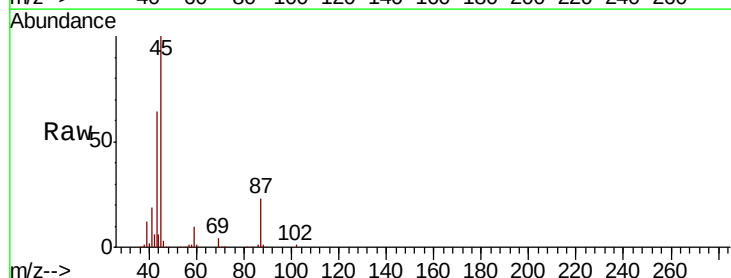
Ion Ratio Lower Upper

45 100

43 61.6 49.9 74.9

87 22.6 19.1 28.7

59 9.8 8.3 12.5



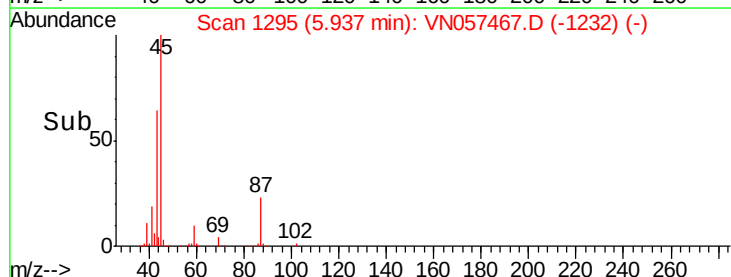
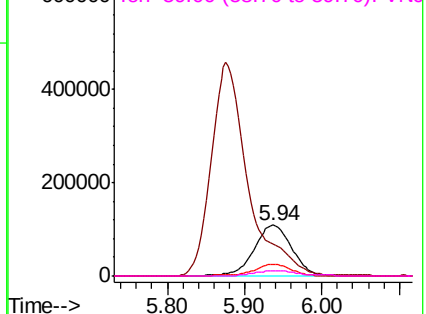
Abundance

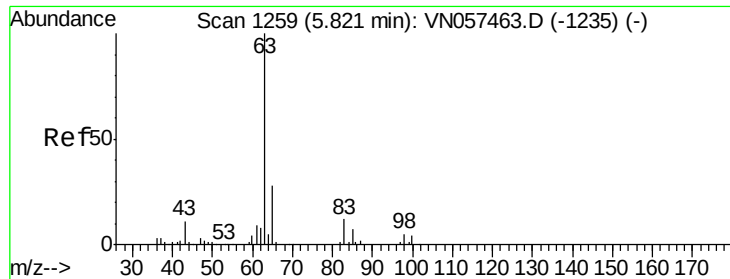
Ion 45.00 (44.70 to 45.70): VN0

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: 20.734 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

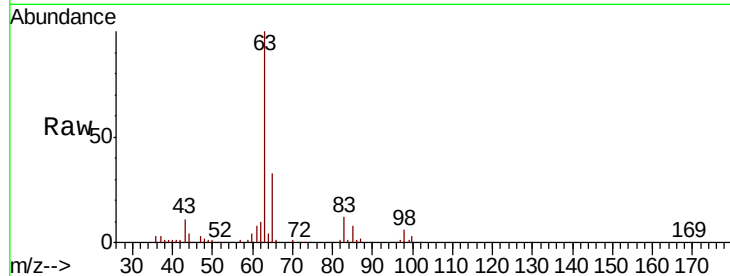
Tgt Ion: 63 Resp: 194754

Ion Ratio Lower Upper

63 100

98 5.9 2.4 7.1

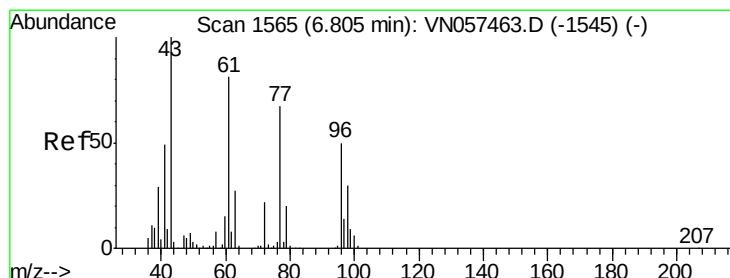
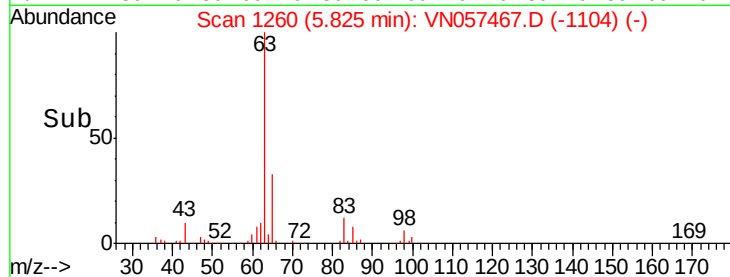
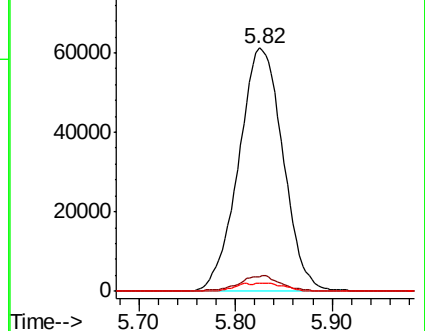
100 3.1 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 20.698 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

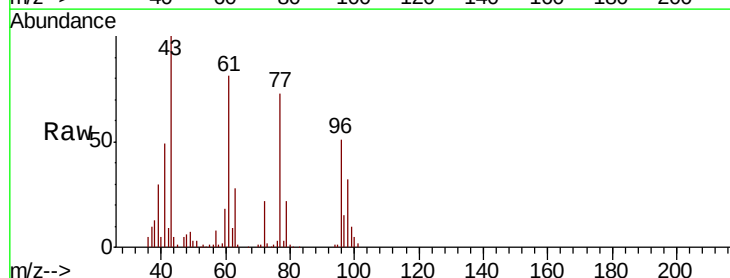
Tgt Ion: 96 Resp: 107905

Ion Ratio Lower Upper

96 100

61 168.8 134.4 201.6

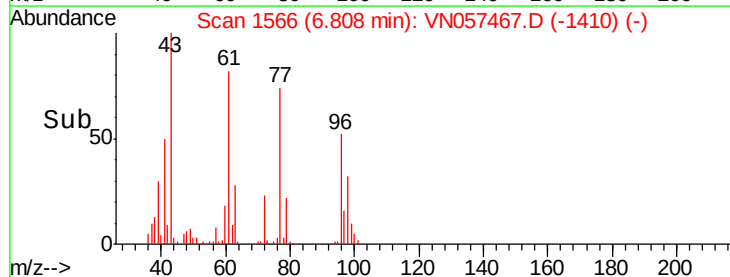
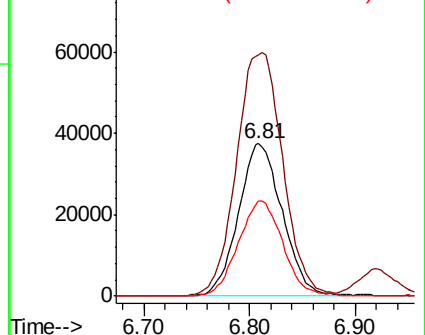
98 63.2 51.4 77.0

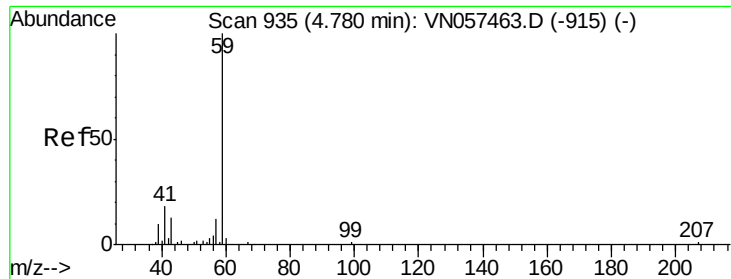


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



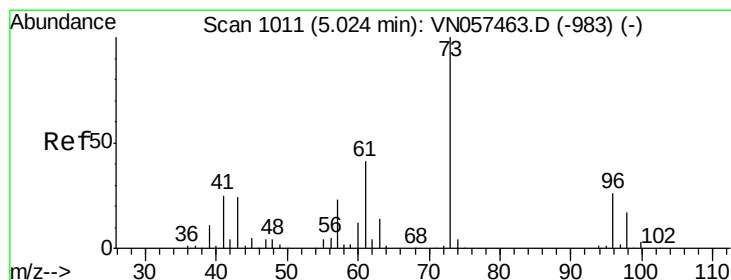
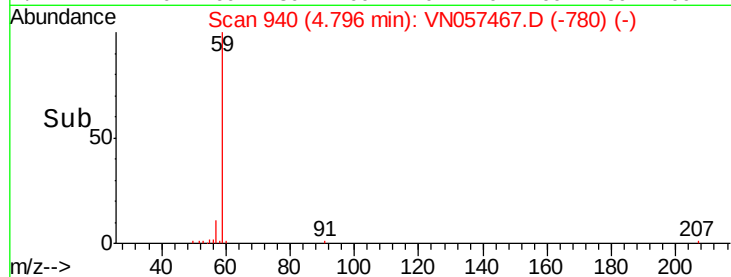
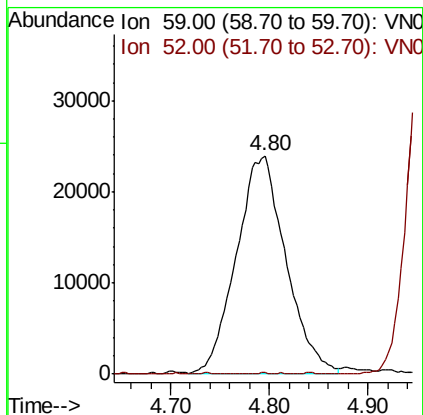
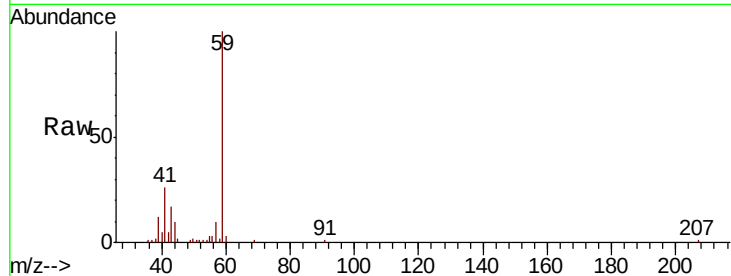


#23

tert-Butyl Alcohol
 Concen: 105.958 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.02 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

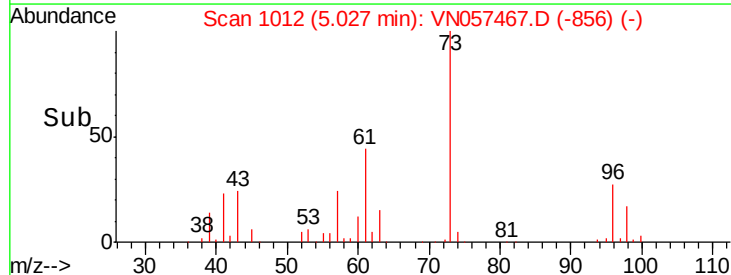
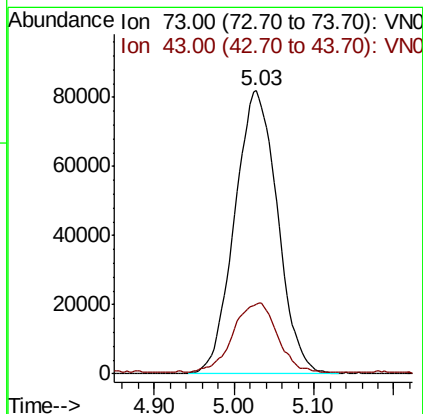
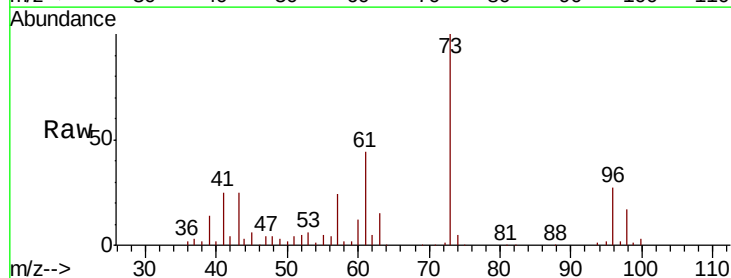
Tgt Ion: 59 Resp: 83600
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

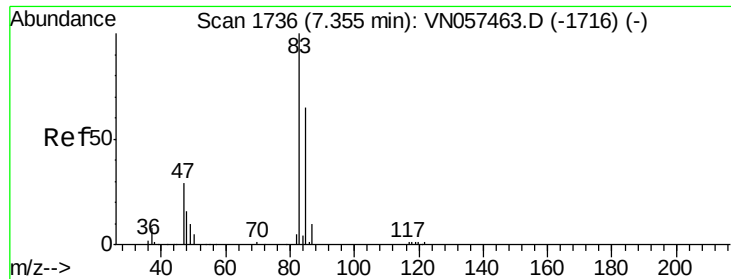


#24

Methyl tert-Butyl Ether
 Concen: 20.844 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 73 Resp: 298895
 Ion Ratio Lower Upper
 73 100
 43 25.4 20.1 30.1





#25

Chloroform

Concen: 19.936 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

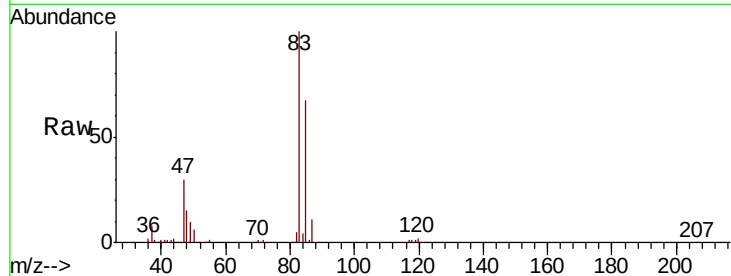
ICVVN082319

Tgt Ion: 83 Resp: 185920

Ion Ratio Lower Upper

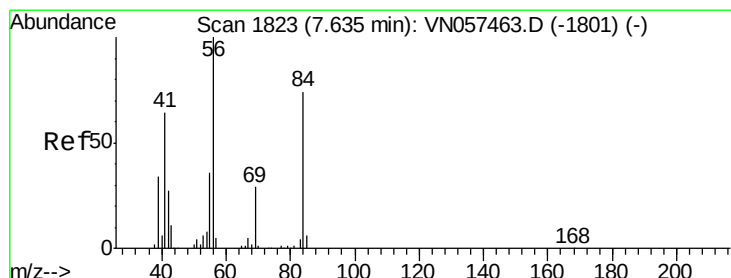
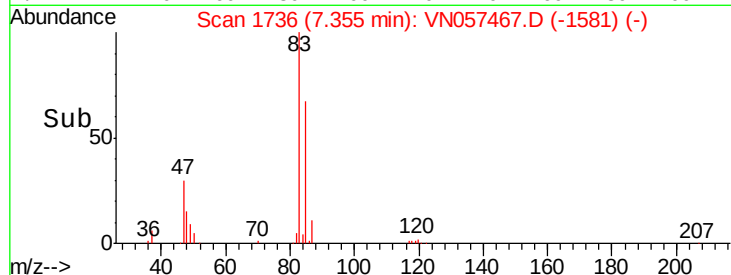
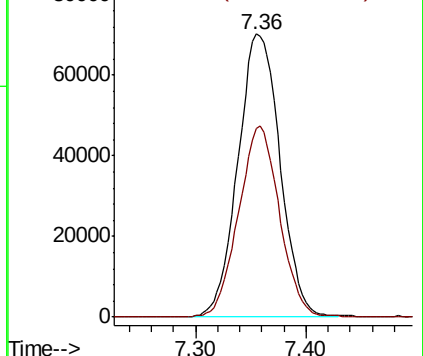
83 100

85 66.6 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 20.104 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

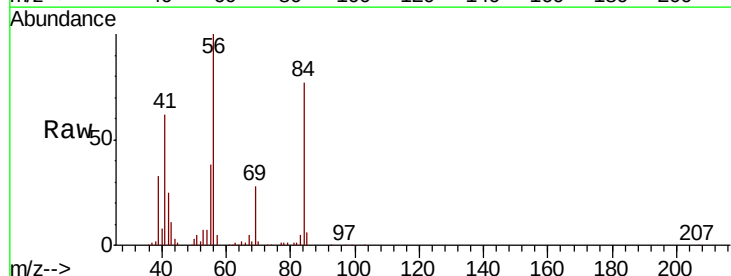
Tgt Ion: 56 Resp: 168154

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

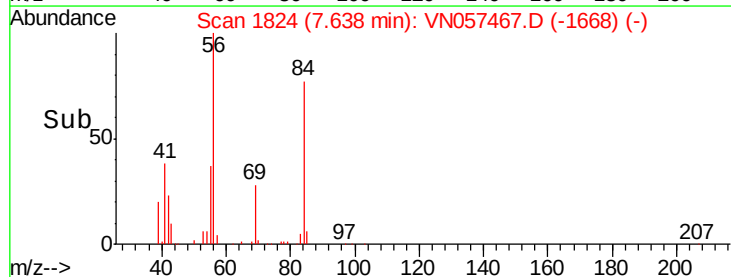
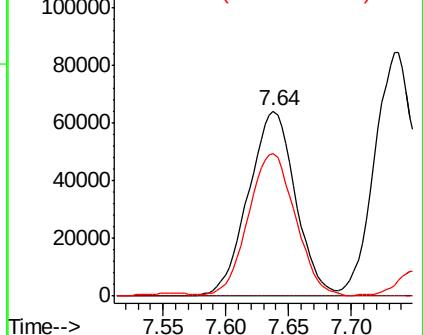
84 77.1 61.1 91.7

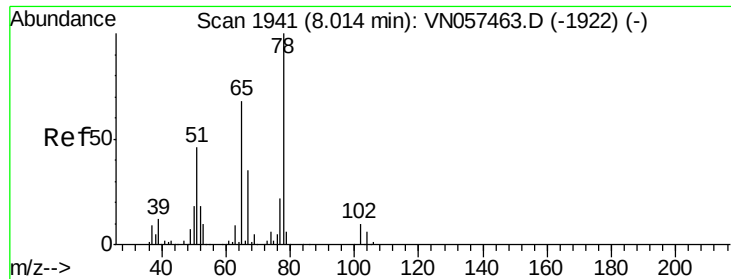


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

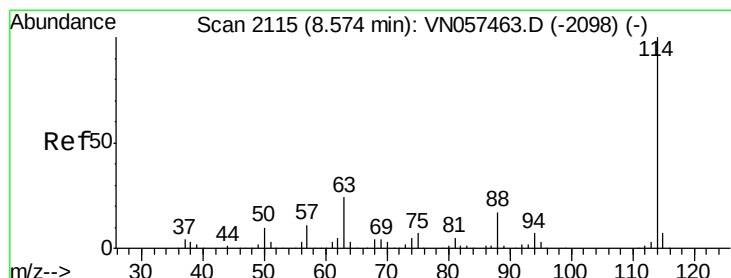
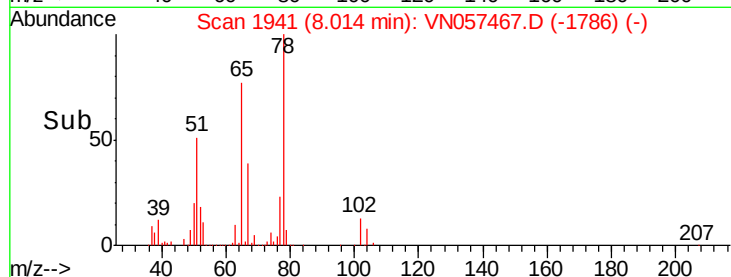
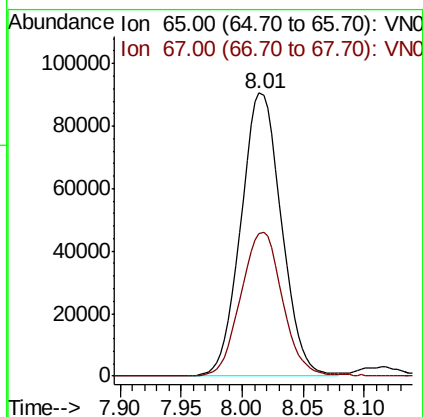
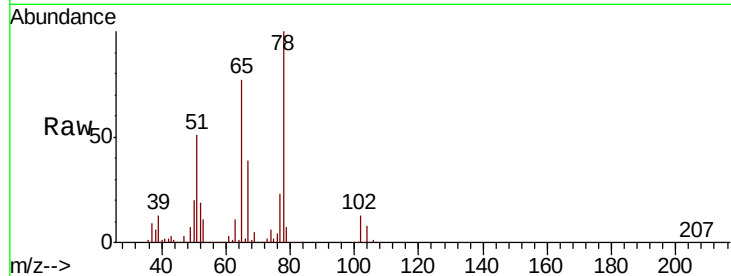




#27
 1,2-Dichloroethane-d4
 Concen: 30.011 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

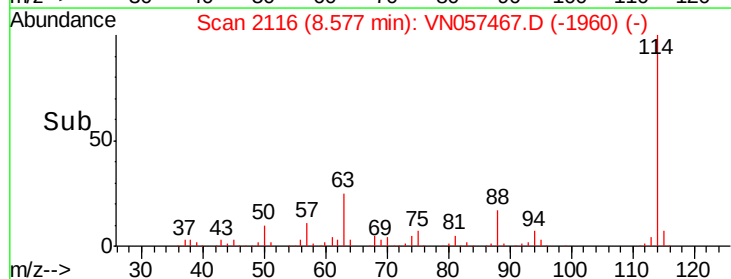
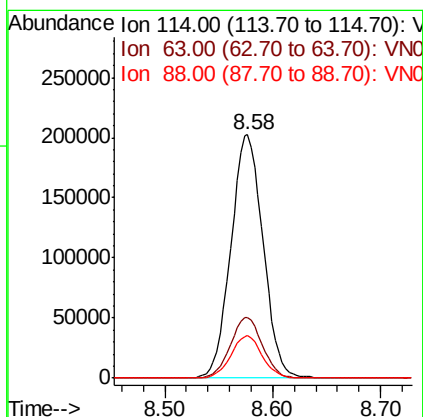
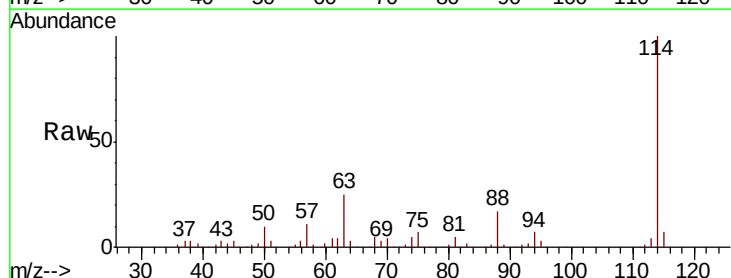
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

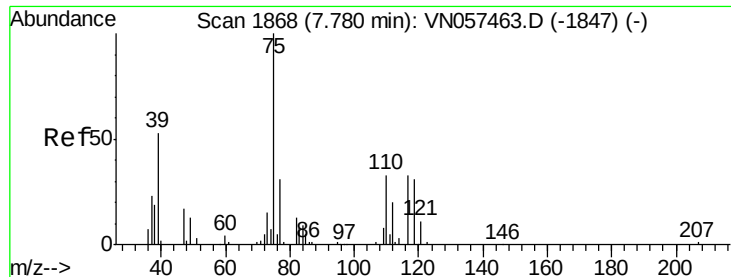
Tgt Ion: 65 Resp: 208038
 Ion Ratio Lower Upper
 65 100
 67 52.1 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 114 Resp: 420630
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.6 29.4
 88 17.1 13.1 19.7

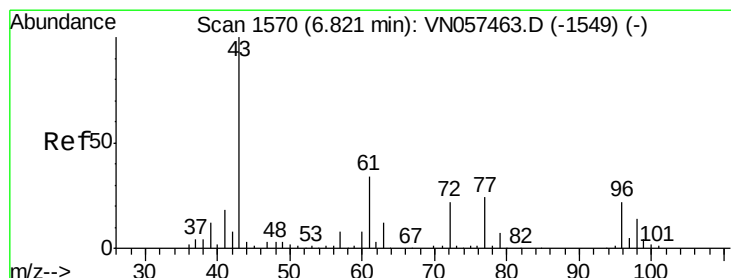
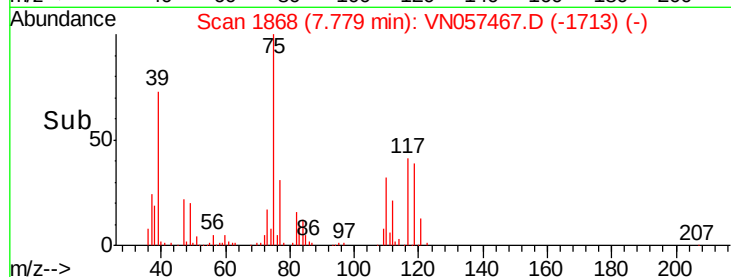
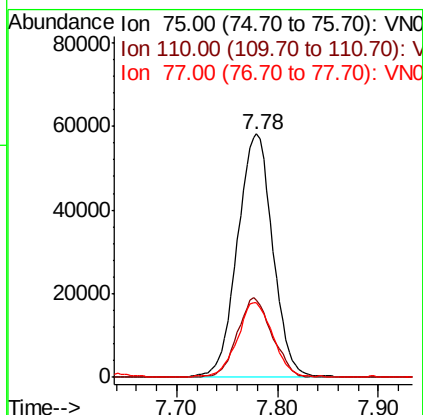
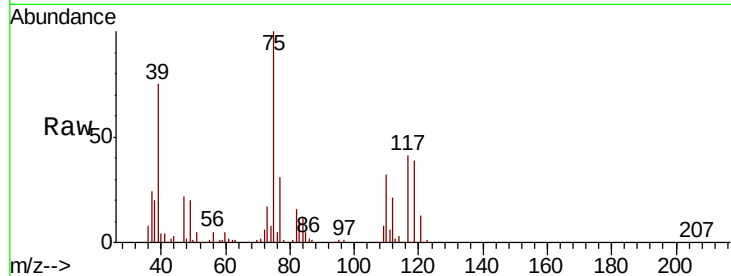




#29
 1,1-Dichloropropene
 Concen: 19.728 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

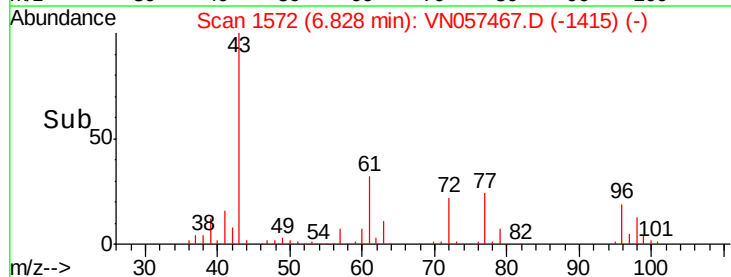
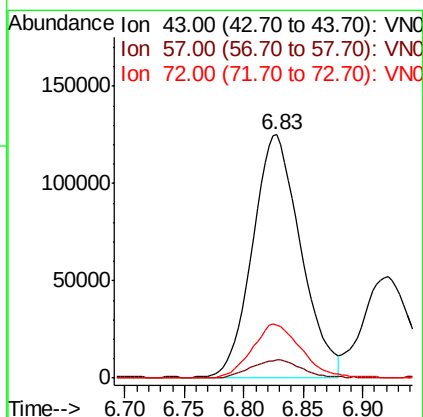
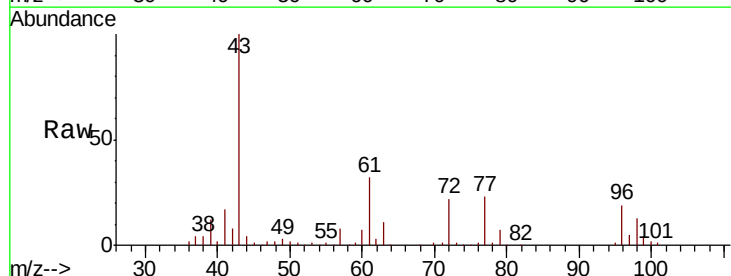
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

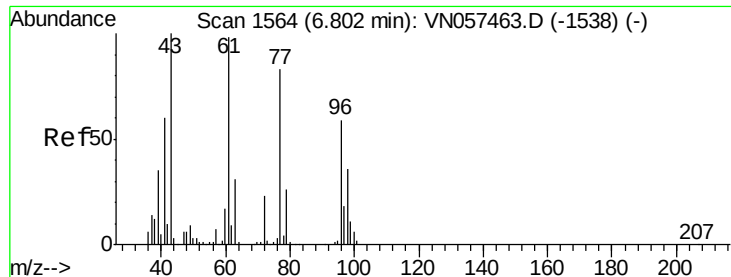
Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	0.0	64.0
77	30.9	0.0	63.4



#30
 2-Butanone
 Concen: 101.611 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	5.7	8.5
72	22.9	18.2	27.2

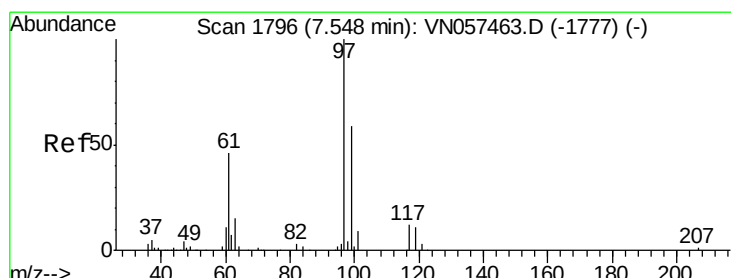
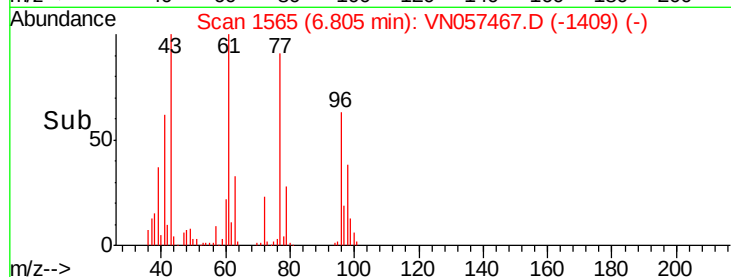
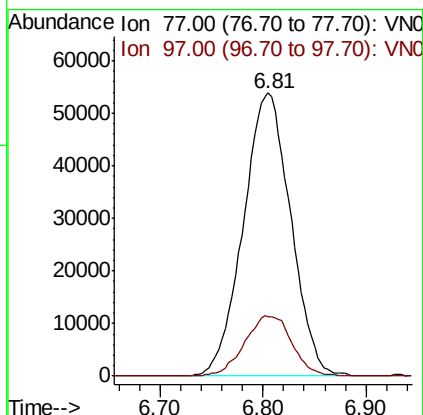
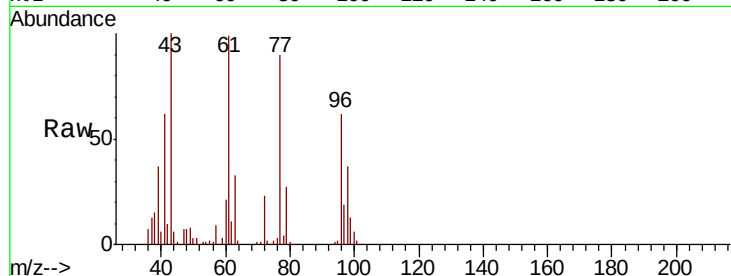




#31
 2,2-Dichloropropane
 Concen: 21.051 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

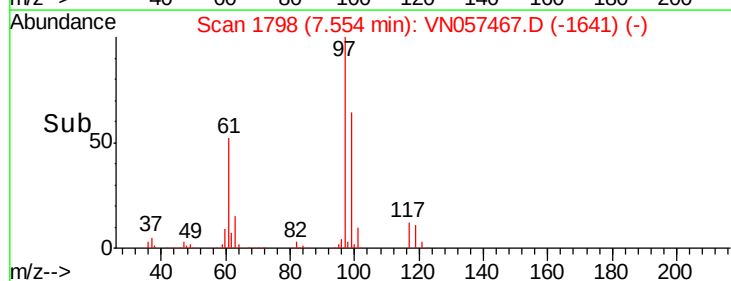
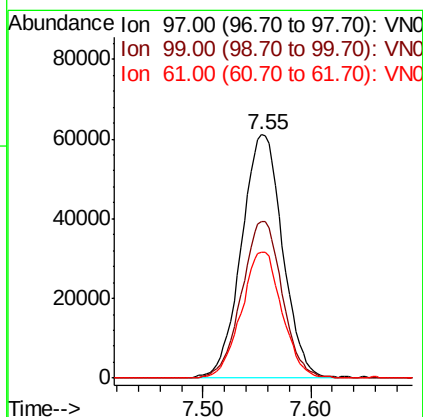
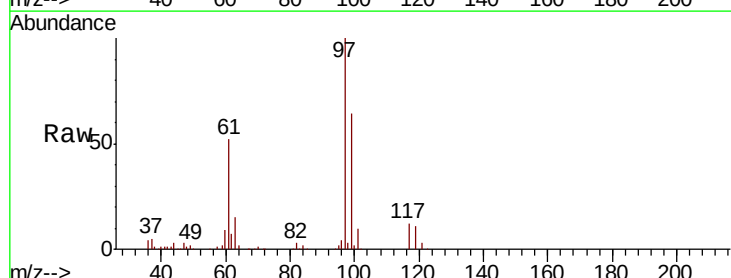
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

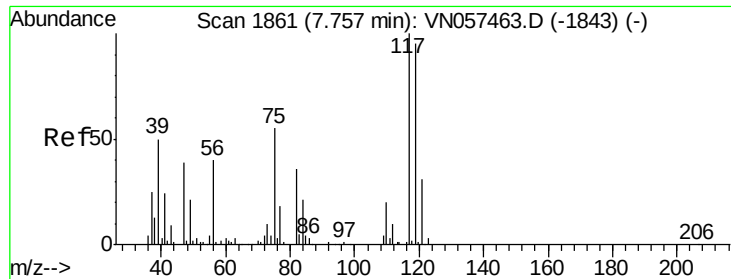
Tgt Ion: 77 Resp: 171936
 Ion Ratio Lower Upper
 77 100
 97 21.3 17.0 25.4



#32
 1,1,1-Trichloroethane
 Concen: 19.808 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.01 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 97 Resp: 161876
 Ion Ratio Lower Upper
 97 100
 99 63.3 49.6 74.4
 61 51.2 40.9 61.3

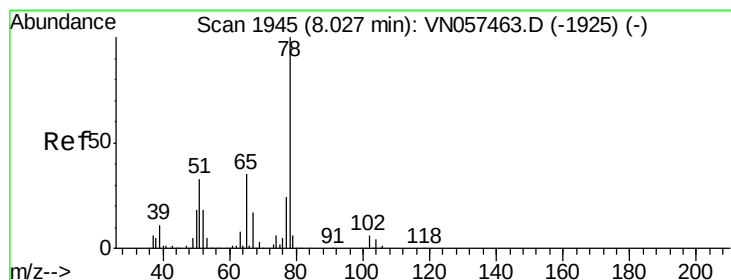
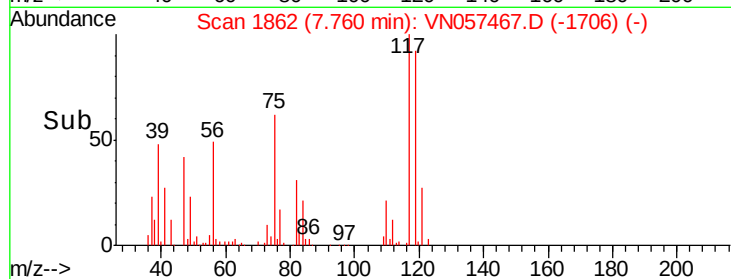
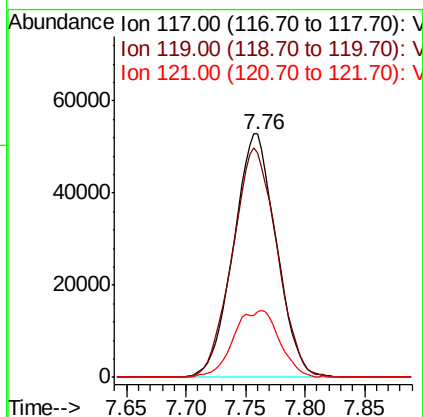
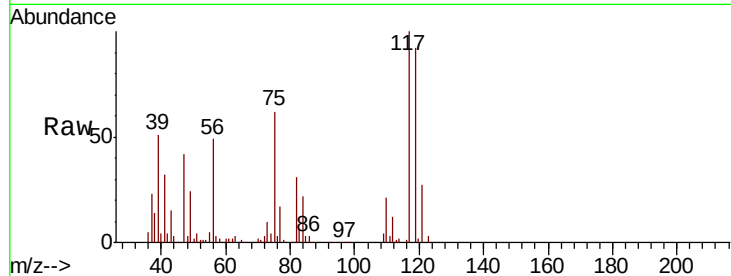




#33
Carbon Tetrachloride
Concen: 19.401 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

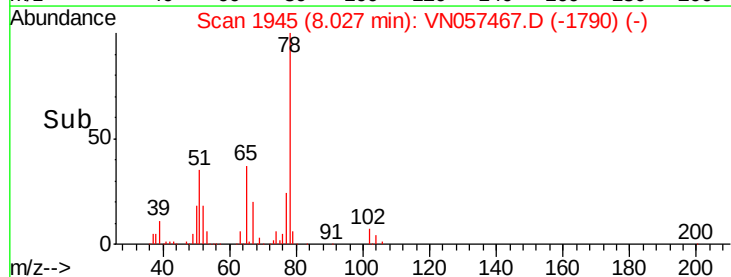
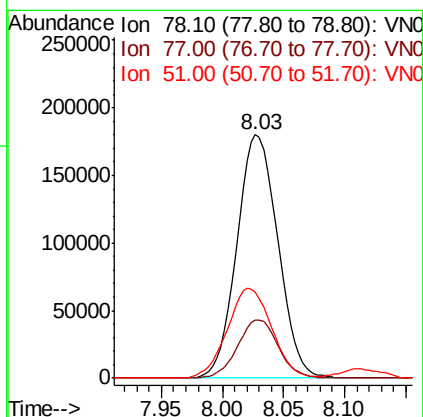
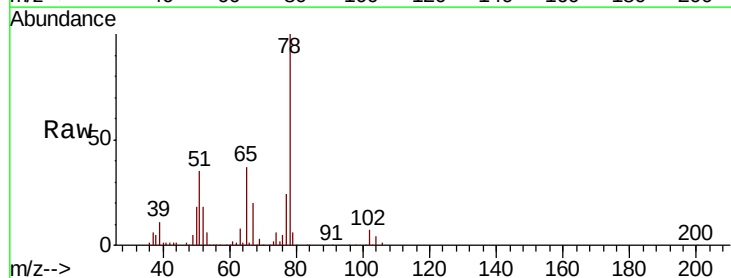
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

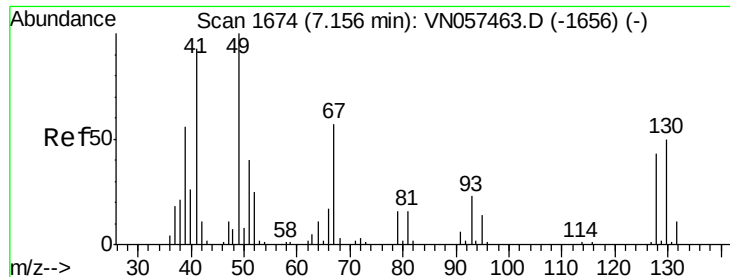
Tgt Ion: 117 Resp: 131658
Ion Ratio Lower Upper
117 100
119 92.1 76.8 115.2
121 26.7 24.8 37.2



#34
Benzene
Concen: 19.907 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion: 78 Resp: 418496
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3
51 34.9 26.0 39.0

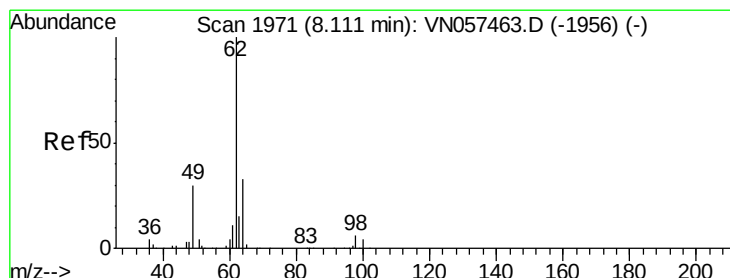
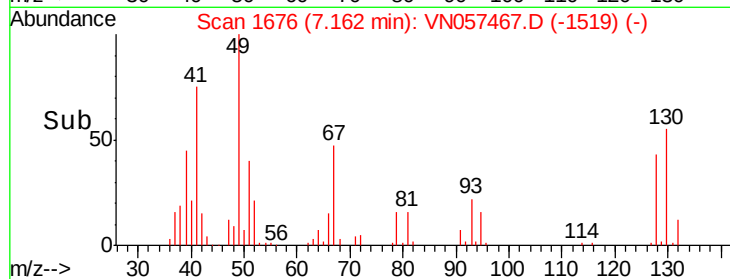
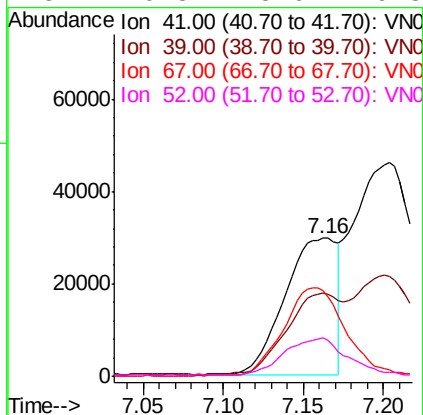
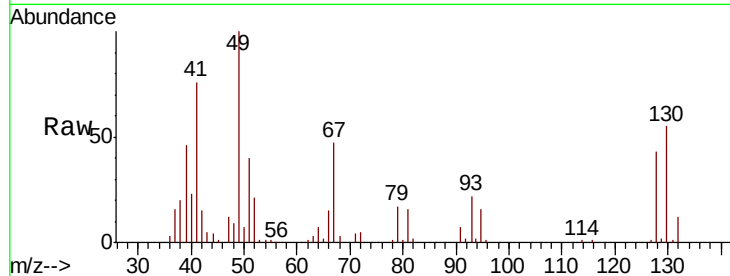




#35
Methacrylonitrile
Concen: 19.746 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

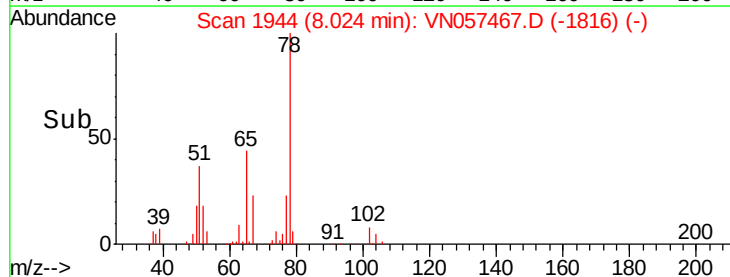
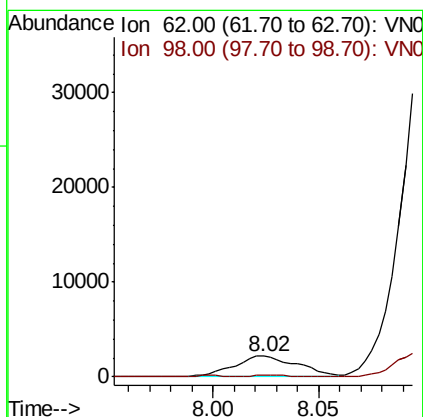
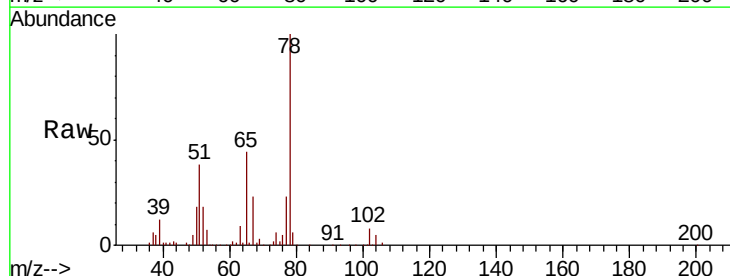
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

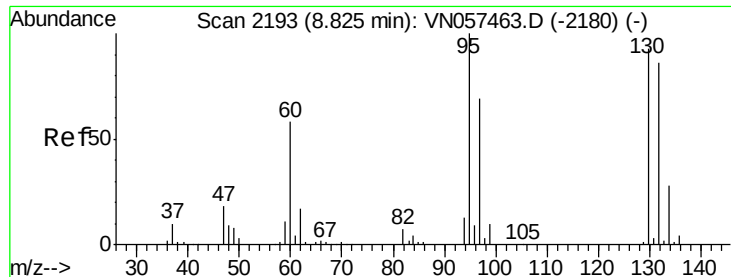
Tgt Ion:	41	Resp:	68686
Ion	Ratio	Lower	Upper
41	100		
39	58.7	30.5	91.5
67	62.2	30.9	92.5
52	26.8	13.6	40.8



#36
1,2-Dichloroethane
Concen: 0.568 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.09 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion:	62	Resp:	4678
Ion	Ratio	Lower	Upper
62	100		
98	3.8	2.8	4.2





#37

Trichloroethene

Concen: 19.656 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

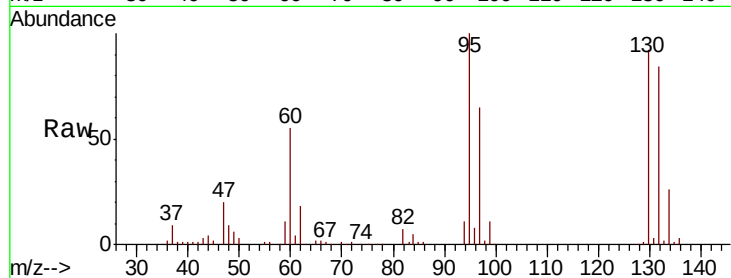
ICVVN082319

Tgt Ion:130 Resp: 94273

Ion Ratio Lower Upper

130 100

95 108.4 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

60000

50000

40000

30000

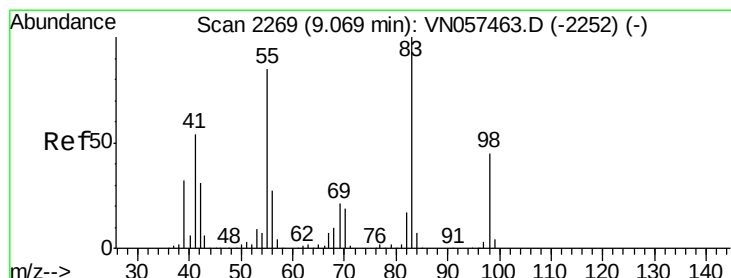
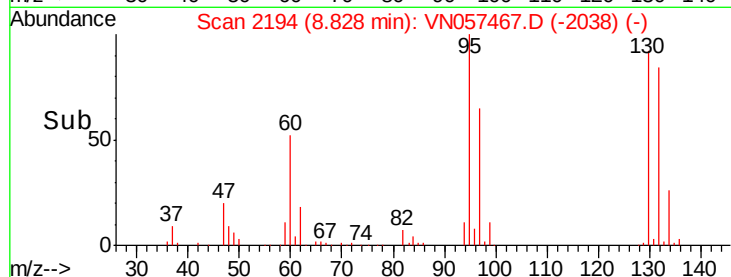
20000

10000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 20.187 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

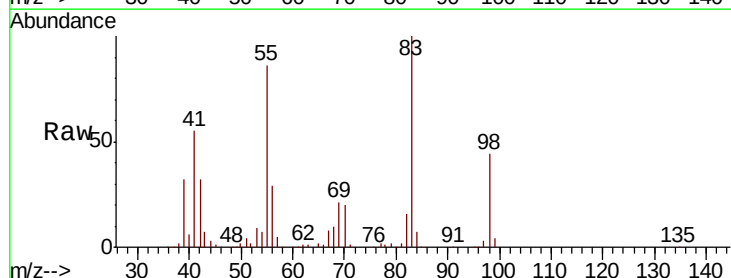
Tgt Ion: 83 Resp: 161974

Ion Ratio Lower Upper

83 100

55 84.8 43.3 129.8

98 43.3 22.8 68.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

100000

80000

60000

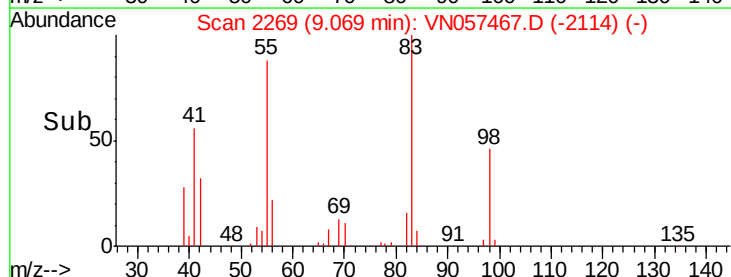
40000

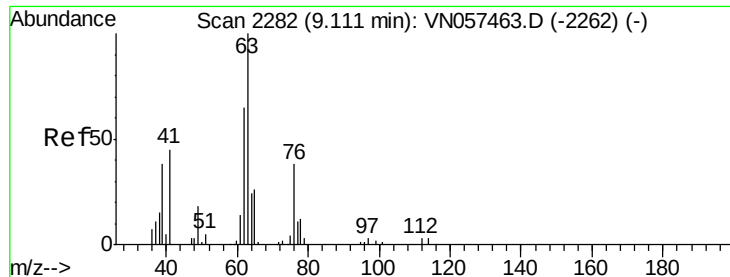
20000

0

Time-->

9.00 9.05 9.10 9.15





#39

1,2-Dichloropropane

Concen: 19.846 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

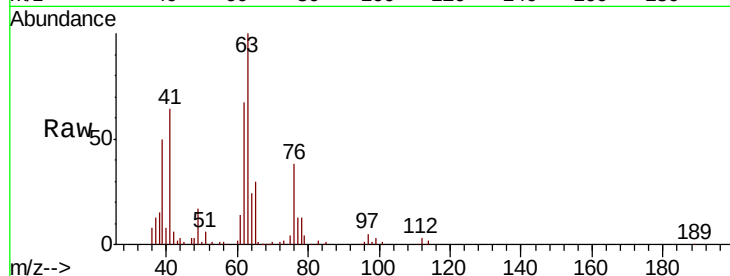
ICVVN082319

Tgt Ion: 63 Resp: 118628

Ion Ratio Lower Upper

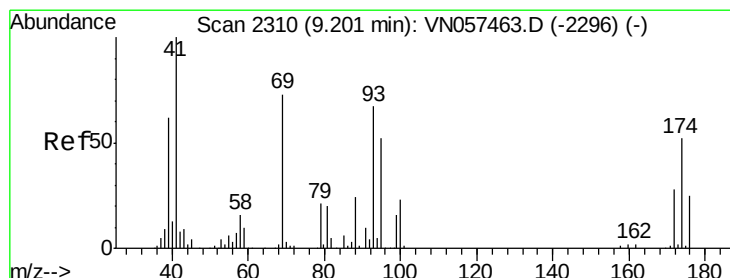
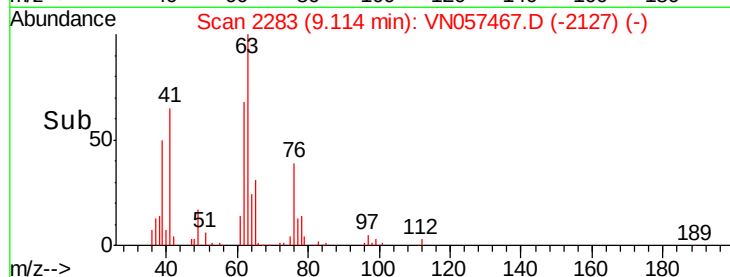
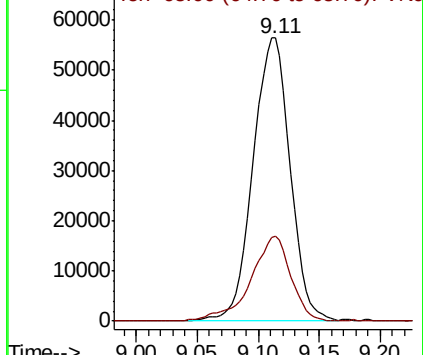
63 100

65 29.7 21.6 32.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.616 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

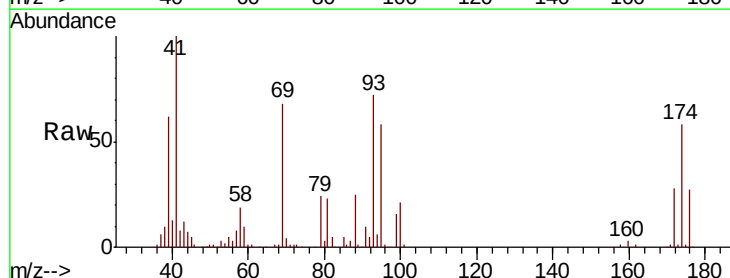
Tgt Ion: 93 Resp: 71658

Ion Ratio Lower Upper

93 100

95 81.9 0.0 160.8

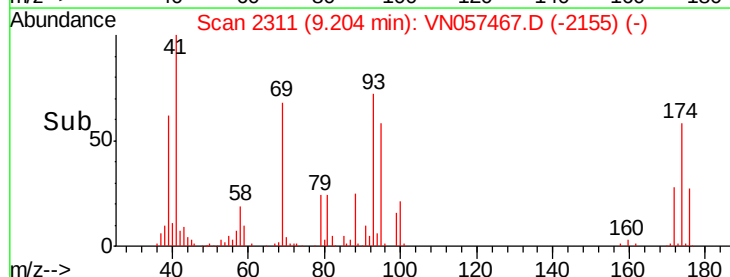
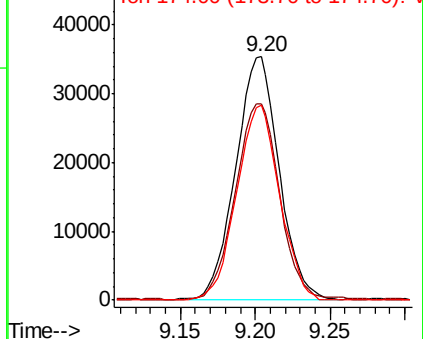
174 78.9 0.0 157.2

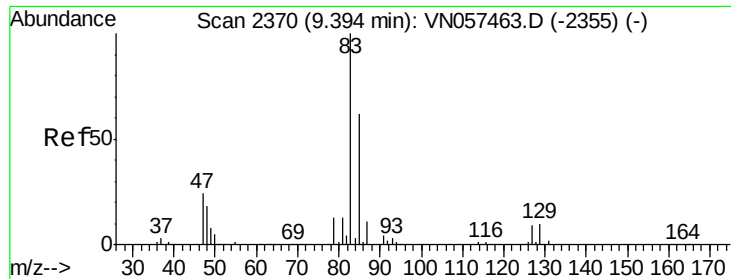


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.110 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

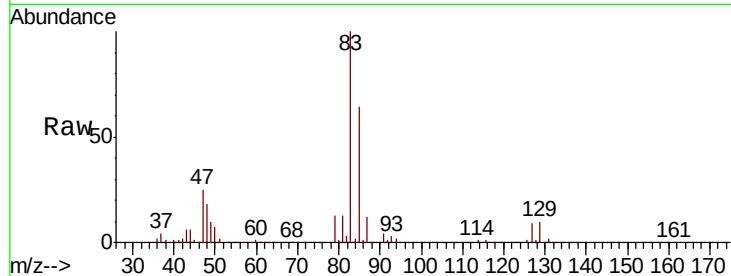
Tgt Ion: 83 Resp: 148059

Ion Ratio Lower Upper

83 100

85 64.1 49.8 74.8

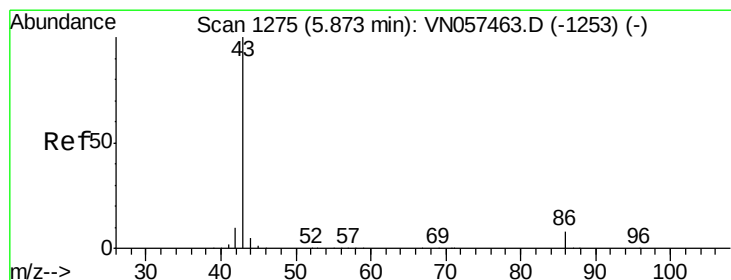
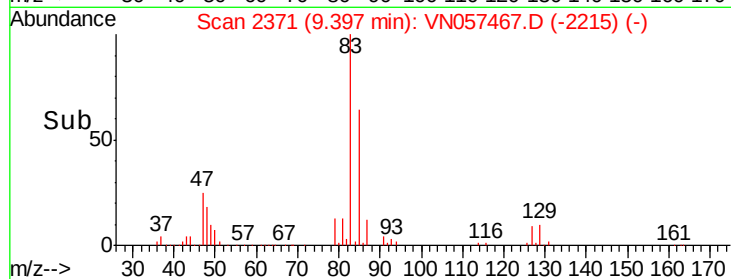
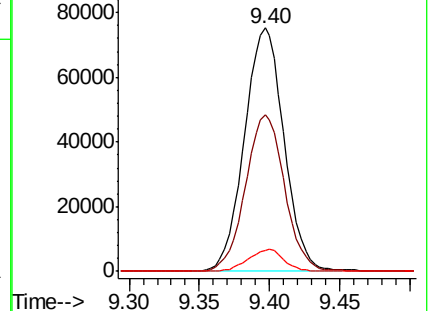
127 8.5 7.6 11.4



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: 98.930 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057467.D

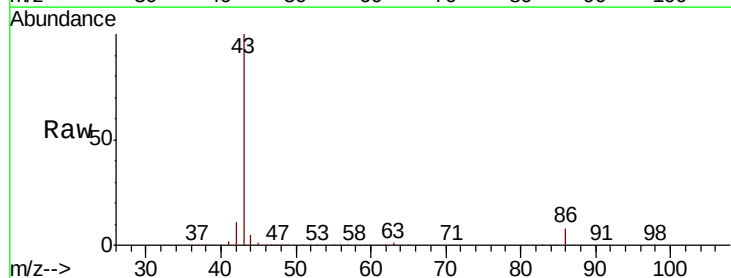
Acq: 23 Aug 2019 11:53

Tgt Ion: 43 Resp: 1521627

Ion Ratio Lower Upper

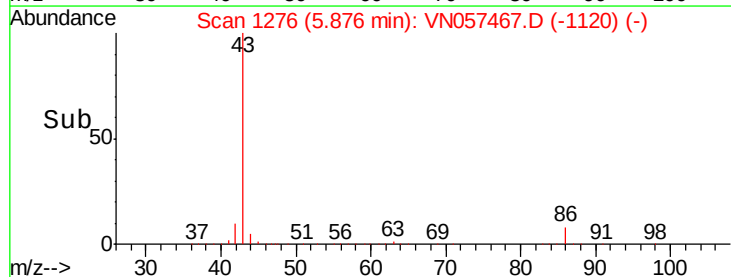
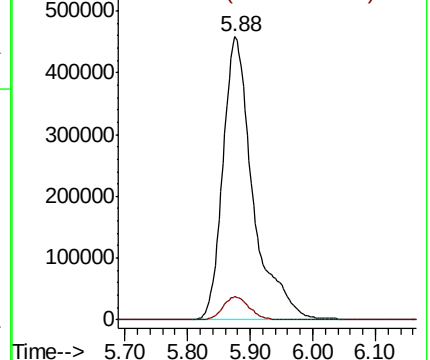
43 100

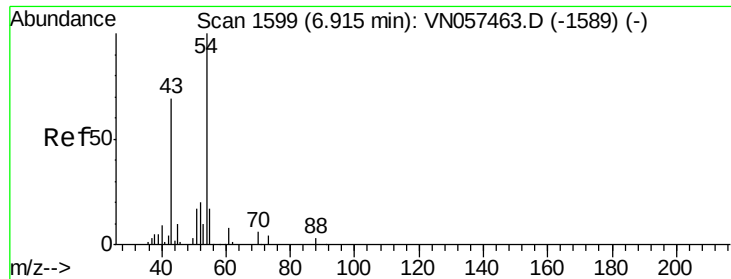
86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

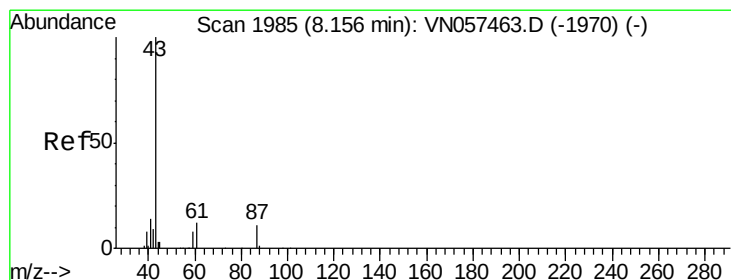
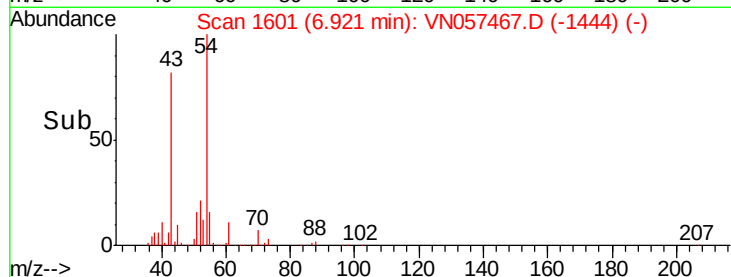
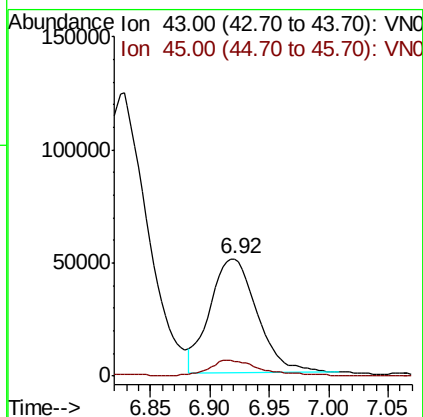
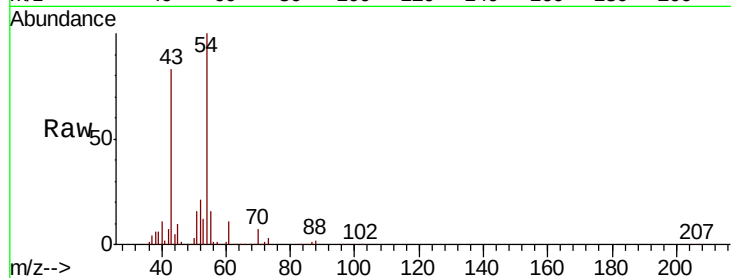




#43
Ethyl Acetate
Concen: 20.774 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

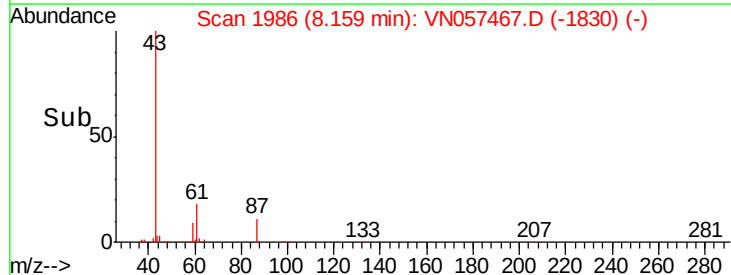
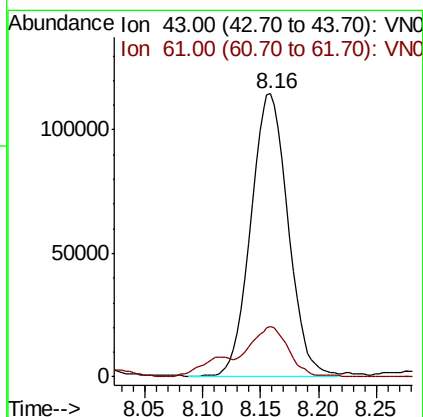
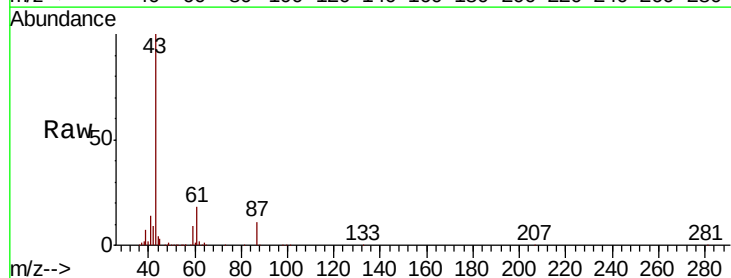
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

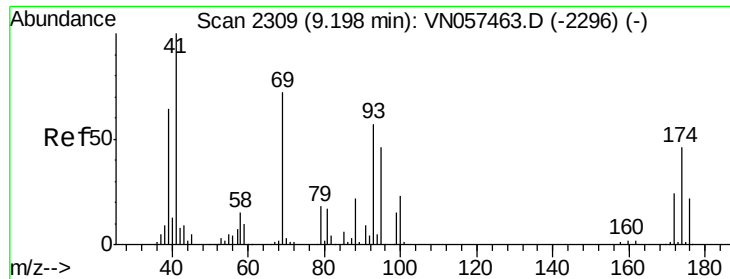
Tgt Ion: 43 Resp: 138978
Ion Ratio Lower Upper
43 100
45 13.8 11.0 16.4



#44
Isopropyl Acetate
Concen: 19.966 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion: 43 Resp: 254984
Ion Ratio Lower Upper
43 100
61 18.1 0.1 0.1#

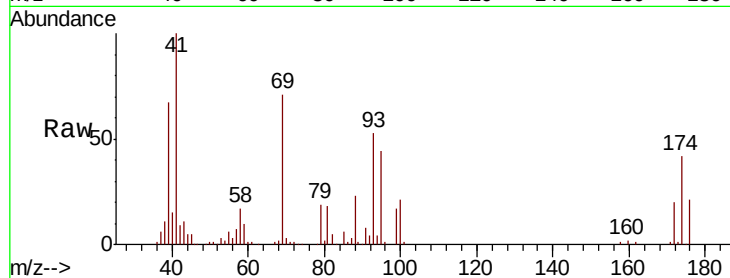




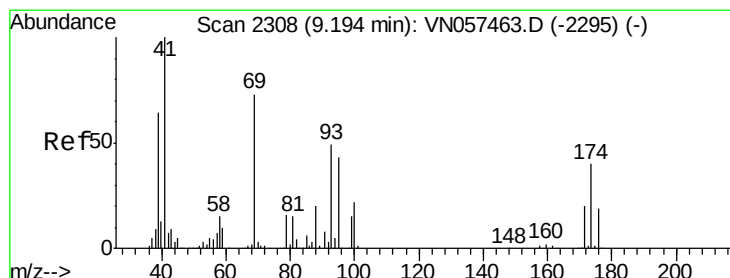
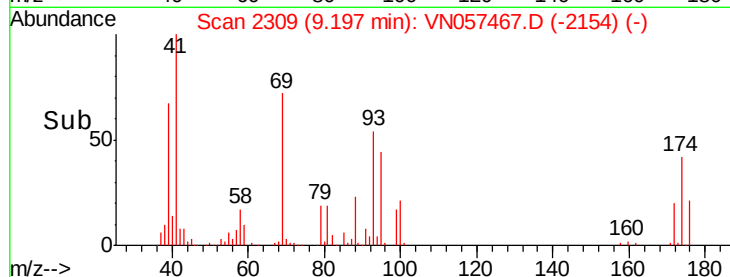
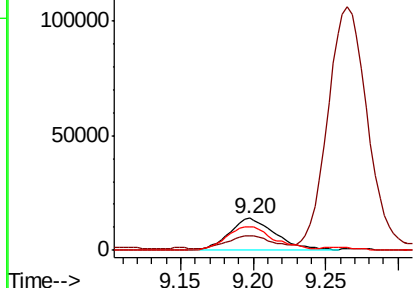
#45
 1,4-Dioxane
 Concen: 410.037 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

Tgt Ion: 88 Resp: 31476
 Ion Ratio Lower Upper
 88 100
 43 38.9 29.8 44.6
 58 75.0 62.2 93.2

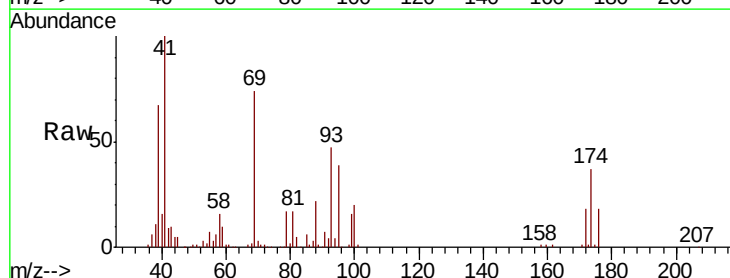


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

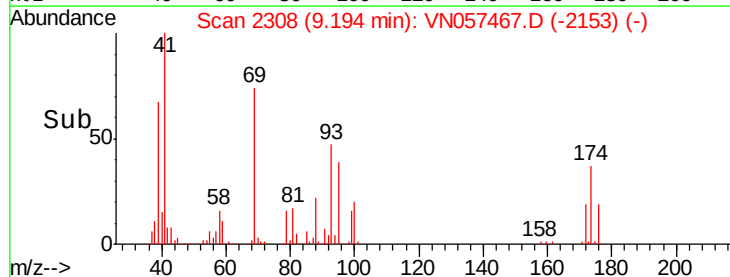
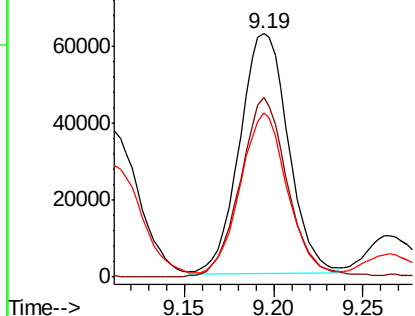


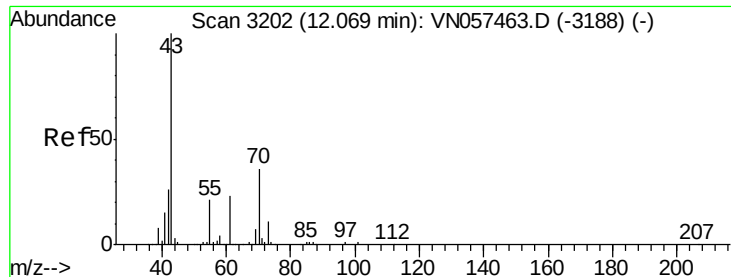
#46
 Methyl methacrylate
 Concen: 19.657 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 41 Resp: 119222
 Ion Ratio Lower Upper
 41 100
 69 74.8 36.5 109.5
 39 66.8 32.1 96.3



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: 19.082 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

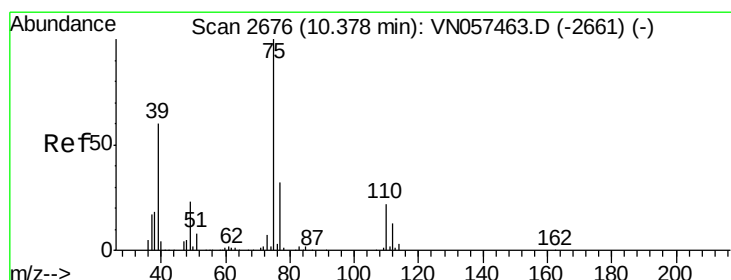
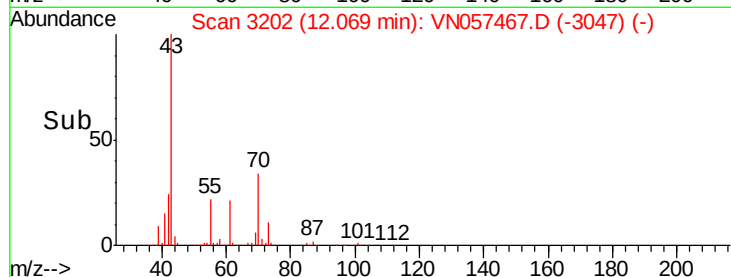
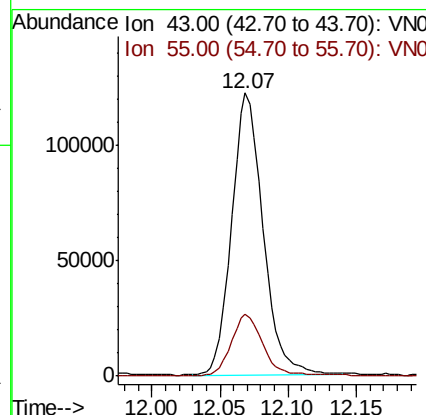
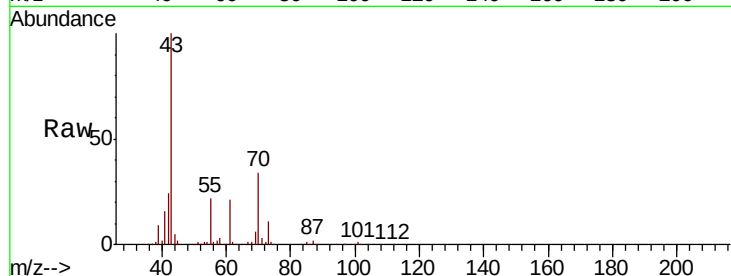
ICVFN082319

Tgt Ion: 43 Resp: 196137

Ion Ratio Lower Upper

43 100

55 21.8 17.0 25.6



#48

t-1,3-Dichloropropene

Concen: 19.212 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057467.D

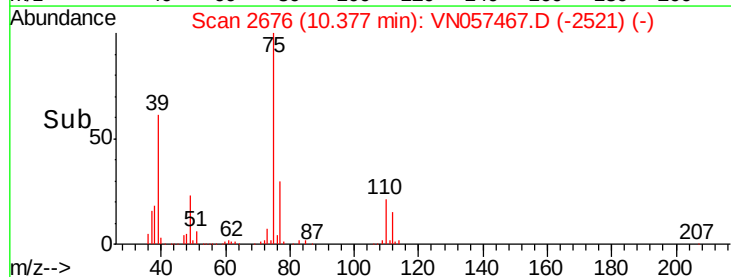
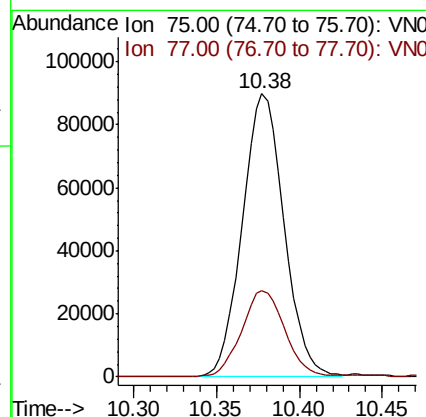
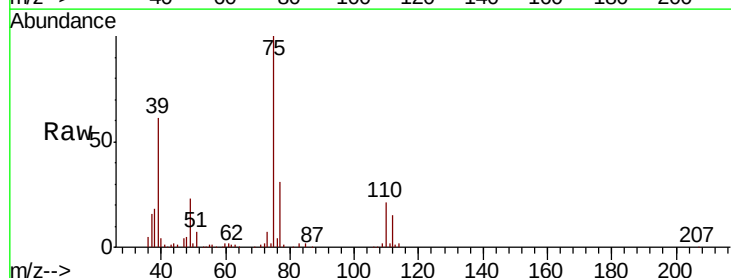
Acq: 23 Aug 2019 11:53

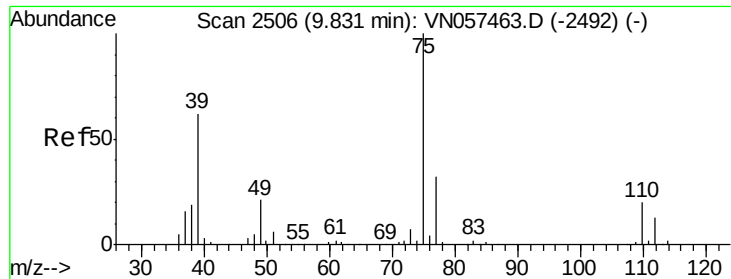
Tgt Ion: 75 Resp: 157245

Ion Ratio Lower Upper

75 100

77 30.4 25.7 38.5



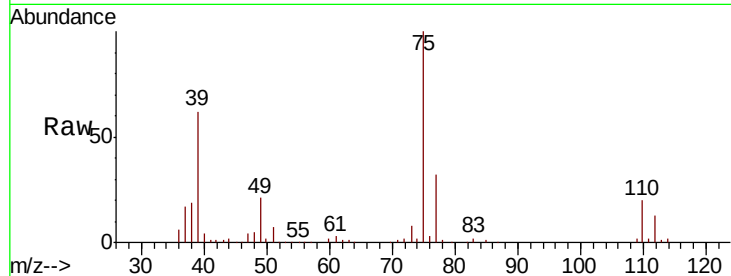


#49

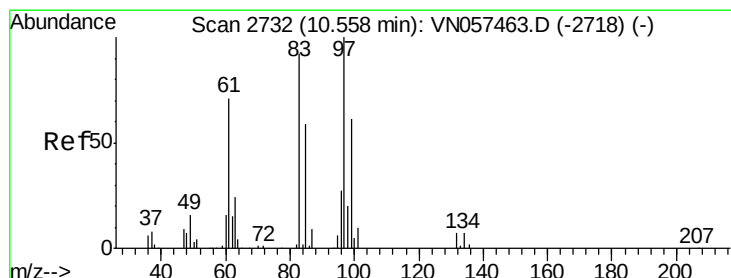
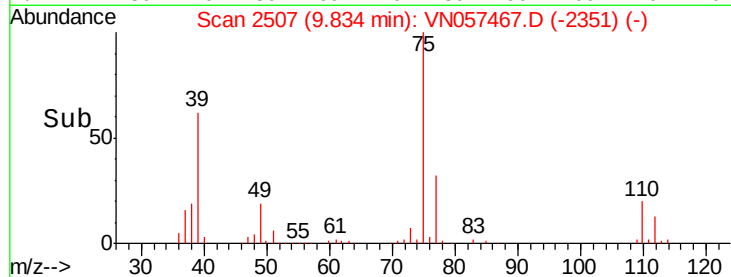
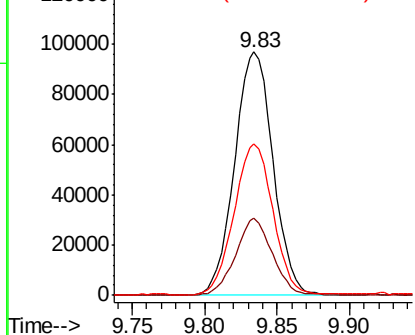
cis-1,3-Dichloropropene
Concen: 19.894 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

Tgt Ion: 75 Resp: 178969
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 62.0 49.8 74.6



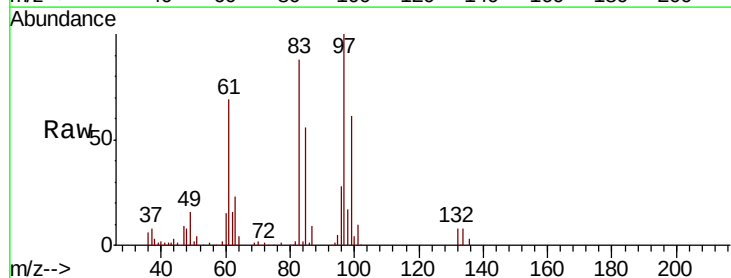
Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



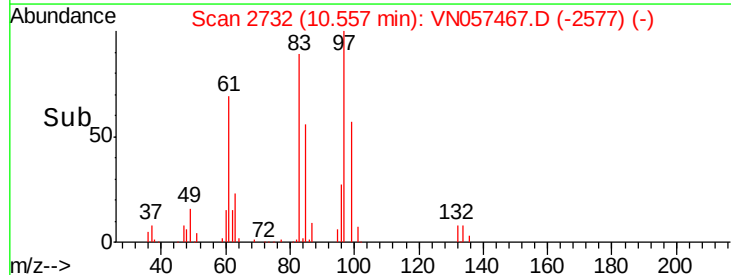
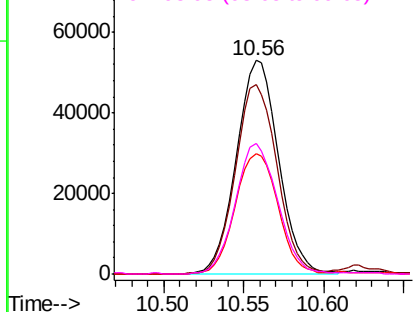
#50

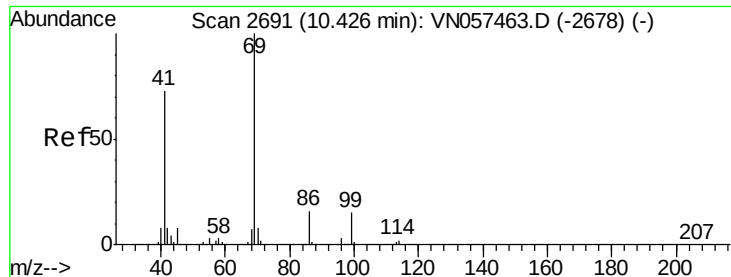
1,1,2-Trichloroethane
Concen: 19.883 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion: 97 Resp: 95242
Ion Ratio Lower Upper
97 100
83 88.1 73.2 109.8
85 56.2 47.1 70.7
99 60.9 49.0 73.4



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.607 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

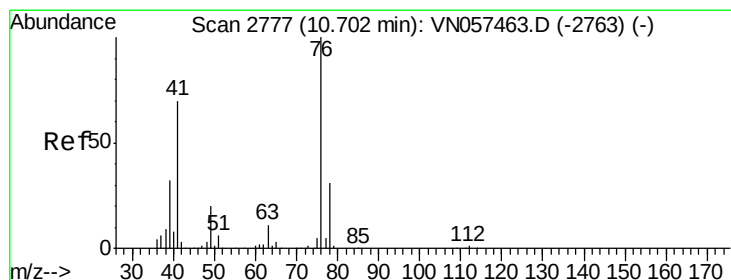
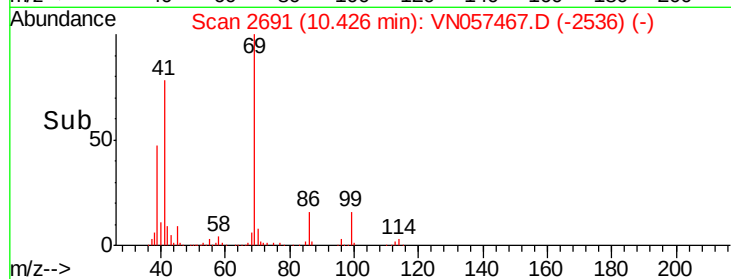
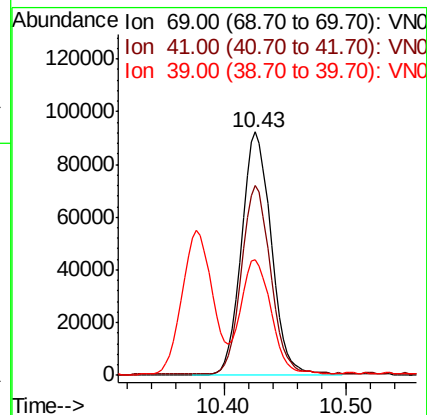
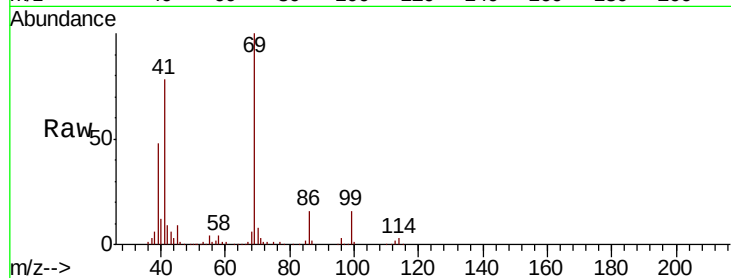
Tgt Ion: 69 Resp: 156129

Ion Ratio Lower Upper

69 100

41 77.2 37.0 111.1

39 46.7 24.4 73.4



#52

1,3-Dichloropropane

Concen: 19.868 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057467.D

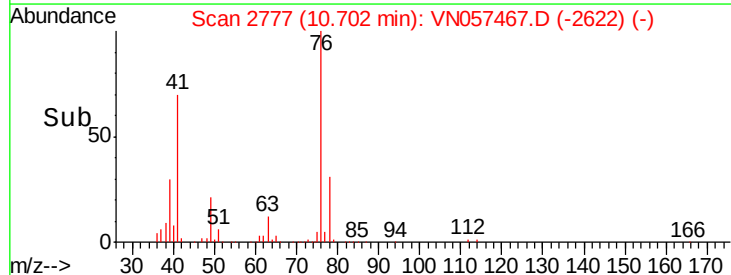
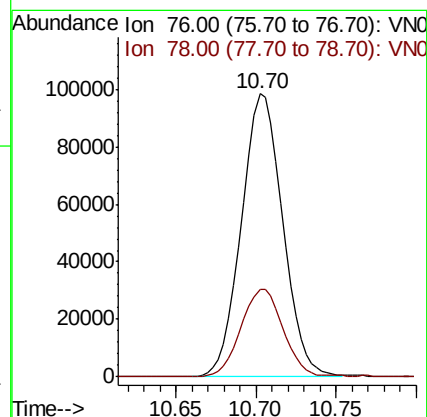
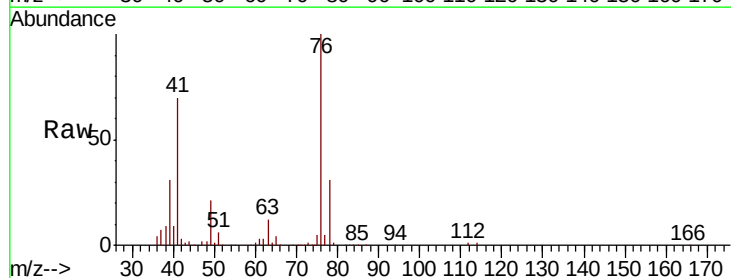
Acq: 23 Aug 2019 11:53

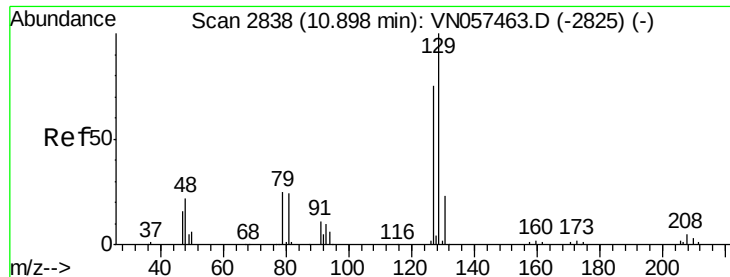
Tgt Ion: 76 Resp: 173518

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.0





#53

Dibromochloromethane

Concen: 19.527 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

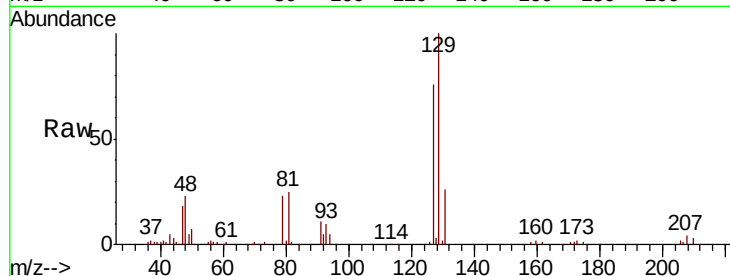
ICVVN082319

Tgt Ion:129 Resp: 99719

Ion Ratio Lower Upper

129 100

127 76.3 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

50000

40000

30000

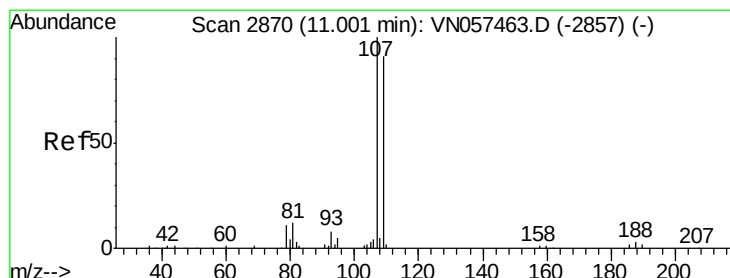
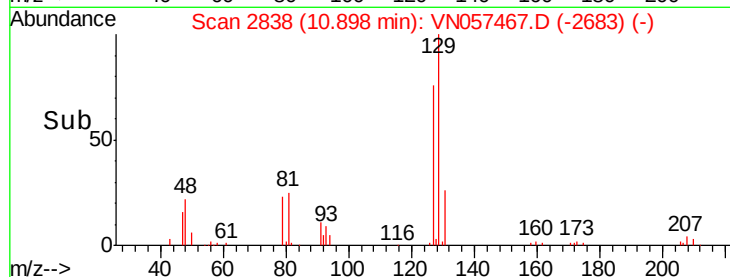
20000

10000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.273 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057467.D

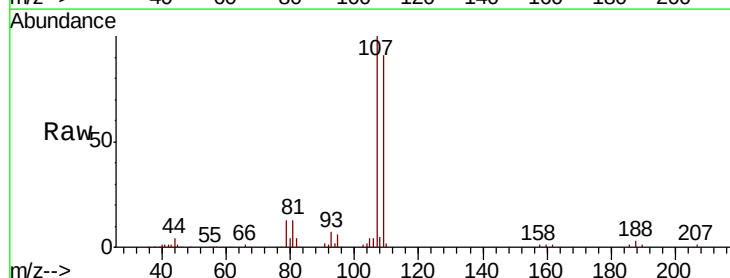
Acq: 23 Aug 2019 11:53

Tgt Ion:107 Resp: 94465

Ion Ratio Lower Upper

107 100

109 91.7 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

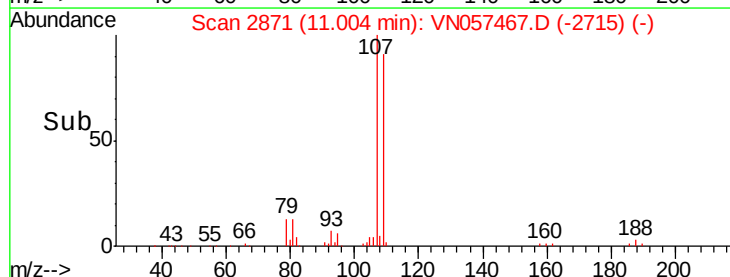
20000

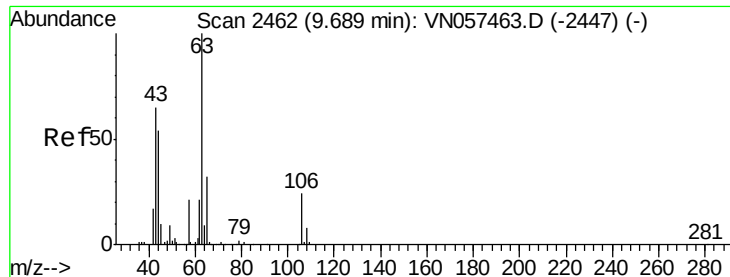
10000

0

10.95 11.00 11.05

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 95.240 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

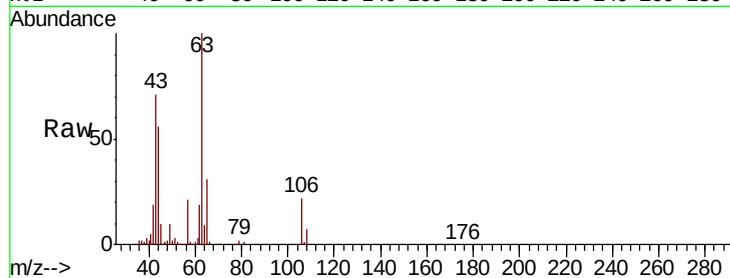
Tgt Ion: 63 Resp: 186944

Ion Ratio Lower Upper

63 100

65 31.7 25.1 37.7

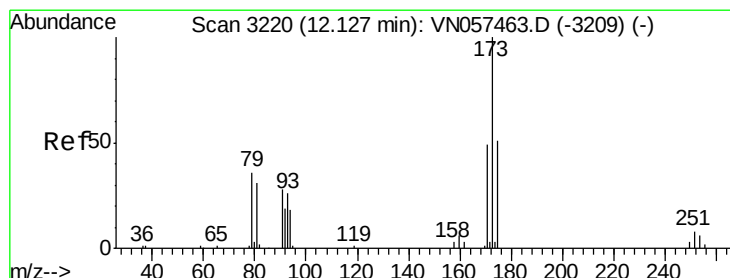
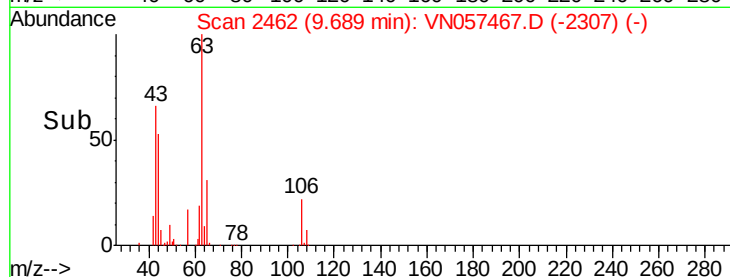
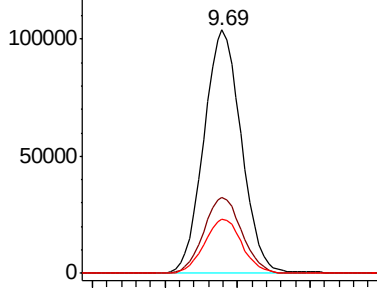
106 22.4 18.7 28.1



Abundance Ion 63.00 (62.70 to 63.70): VN057463.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN057463.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN057463.D (-2447) (-)



#56

Bromoform

Concen: 19.132 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

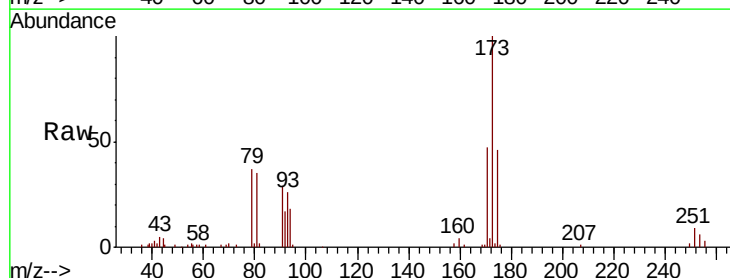
Tgt Ion: 173 Resp: 58311

Ion Ratio Lower Upper

173 100

175 47.9 40.1 60.1

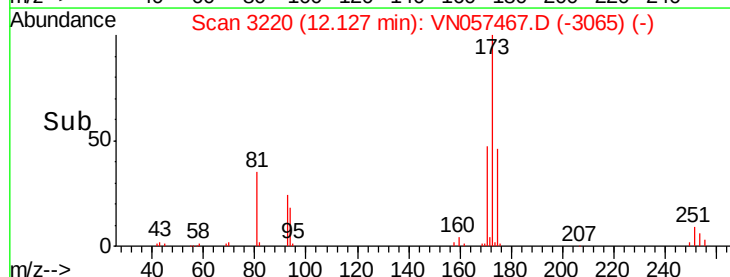
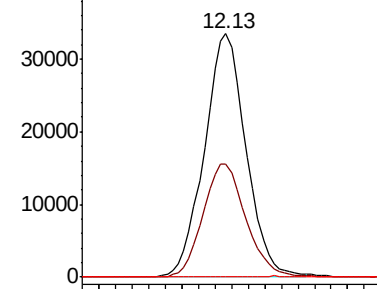
254 0.0 0.0 0.0

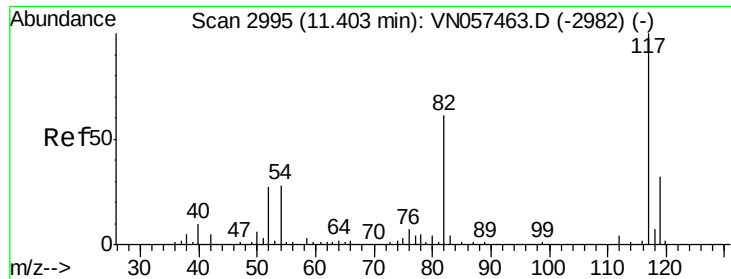


Abundance Ion 173.00 (172.70 to 173.70): VN057463.D (-3209) (-)

Ion 175.00 (174.70 to 175.70): VN057463.D (-3209) (-)

Ion 254.00 (253.70 to 254.70): VN057463.D (-3209) (-)

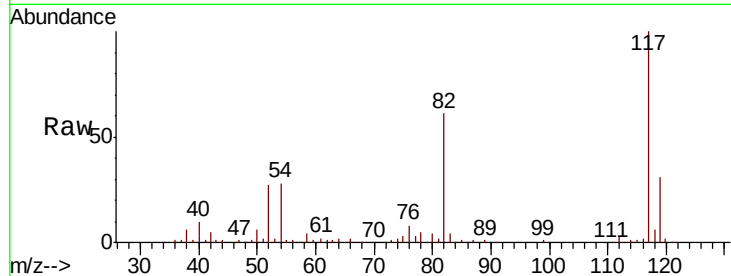




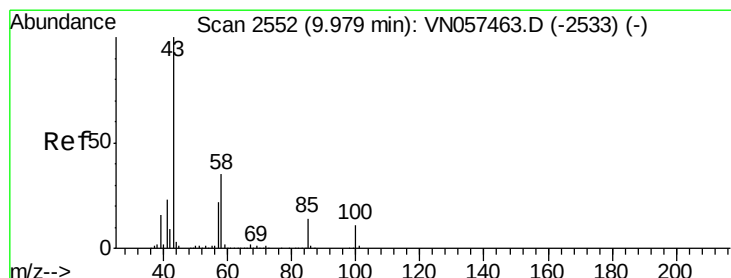
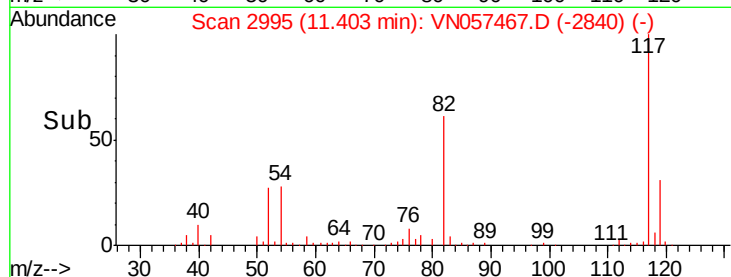
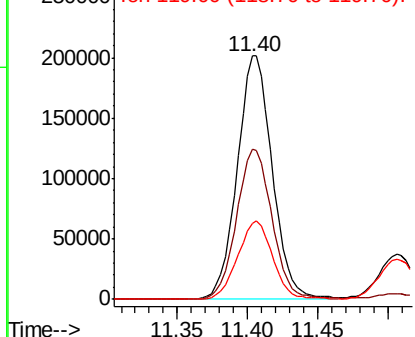
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN082319

Tgt Ion: 117 Resp: 351640
Ion Ratio Lower Upper
117 100
82 62.6 50.4 75.6
119 32.0 25.4 38.2

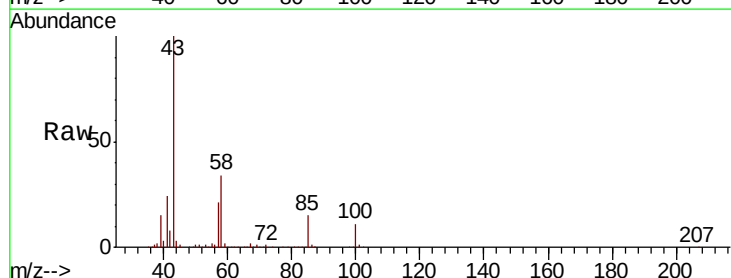


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

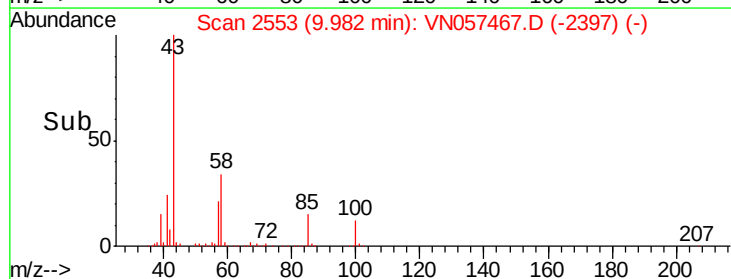
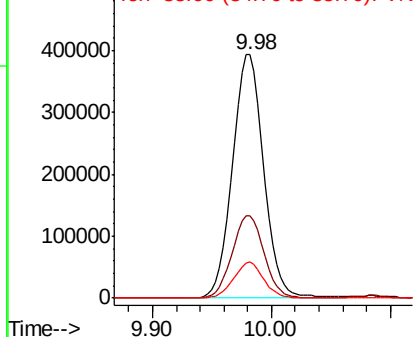


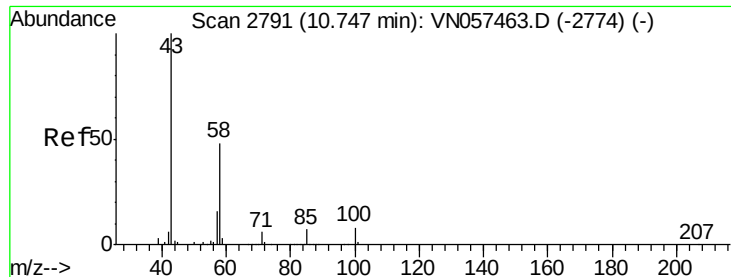
#58
4-Methyl-2-Pentanone
Concen: 103.027 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion: 43 Resp: 710715
Ion Ratio Lower Upper
43 100
58 35.0 28.0 42.0
85 14.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

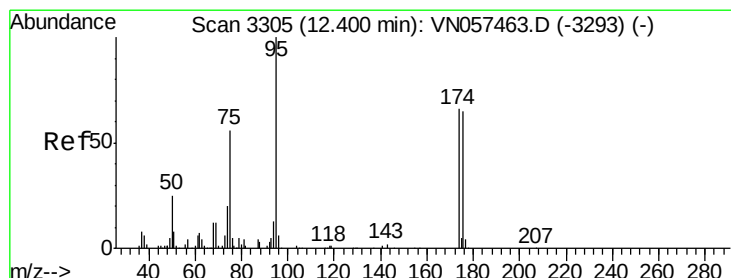
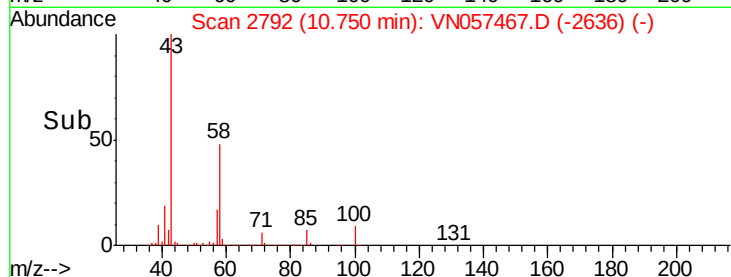
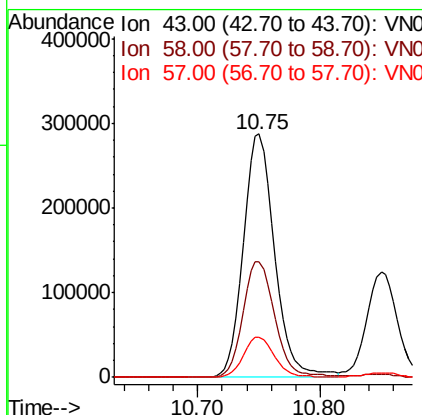
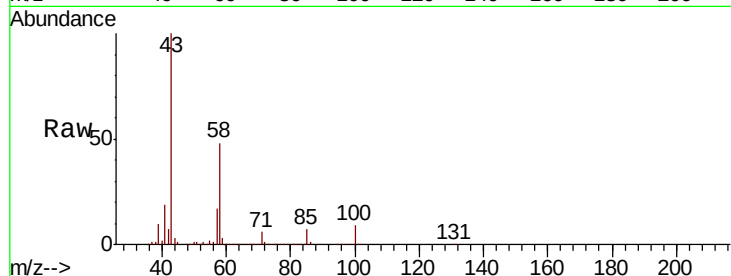




#59
2-Hexanone
Concen: 105.528 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

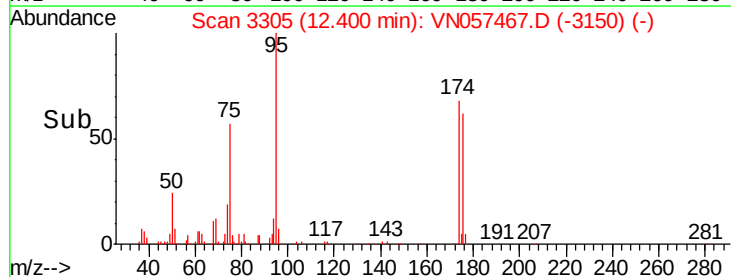
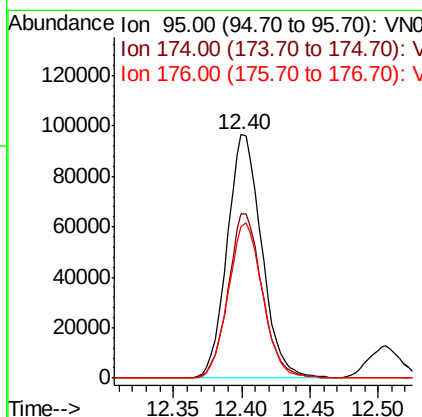
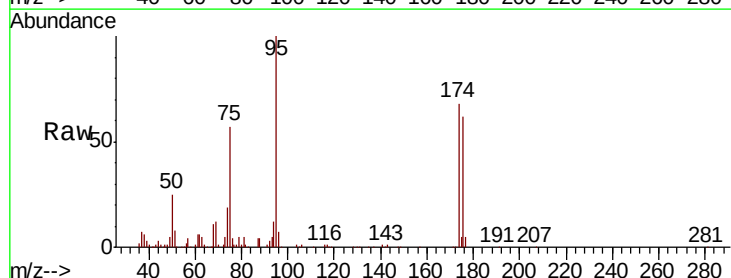
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

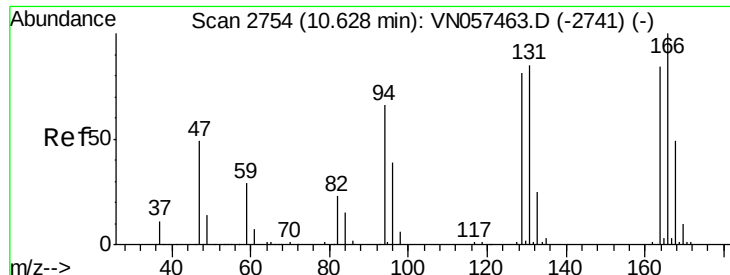
Tgt Ion:	43	Resp:	504580
Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
57	16.6	13.0	19.4



#60
4-Bromofluorobenzene
Concen: 29.347 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion:	95	Resp:	170170
Ion	Ratio	Lower	Upper
95	100		
174	66.6	54.9	82.3
176	63.6	54.2	81.4





#61

Tetrachloroethene

Concen: 20.111 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

Tgt Ion:164 Resp: 81101

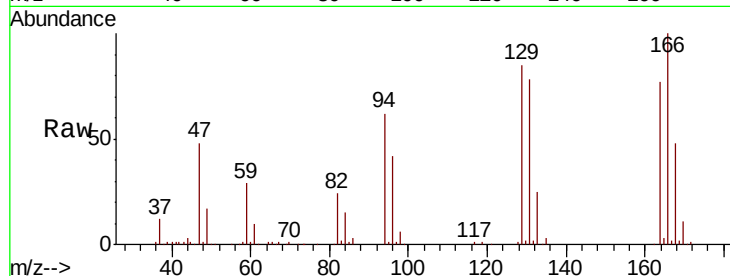
Ion Ratio Lower Upper

164 100

166 129.3 95.8 143.6

129 109.7 77.2 115.8

131 100.7 81.1 121.7

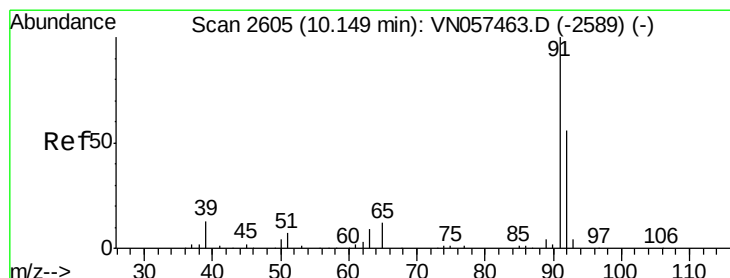
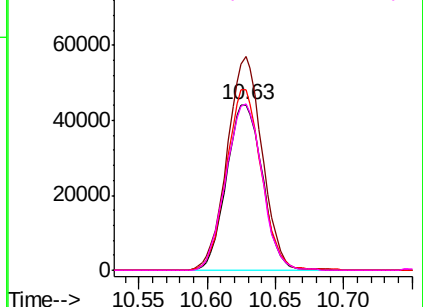
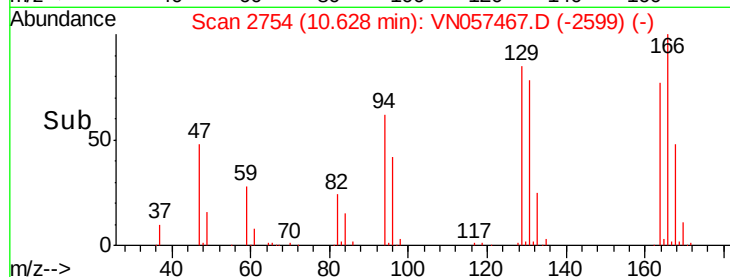


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.886 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057467.D

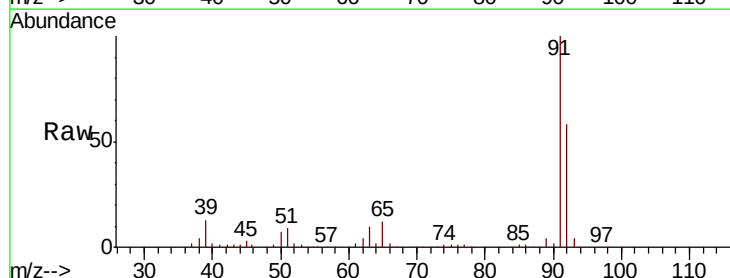
Acq: 23 Aug 2019 11:53

Tgt Ion: 91 Resp: 427376

Ion Ratio Lower Upper

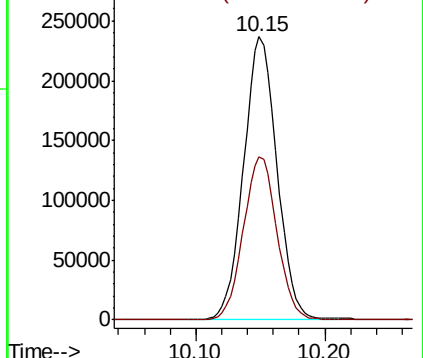
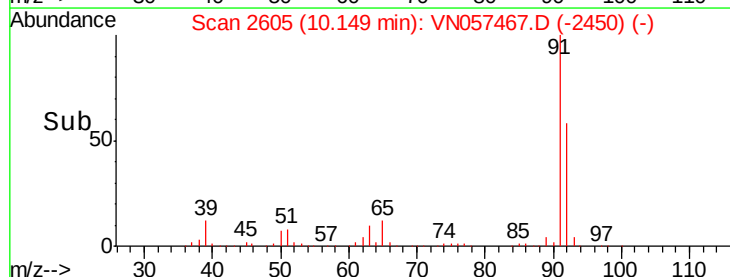
91 100

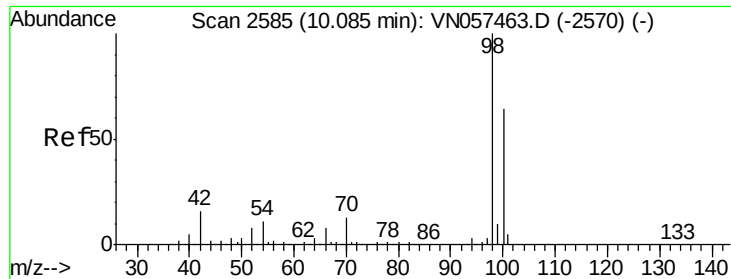
92 57.9 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.958 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

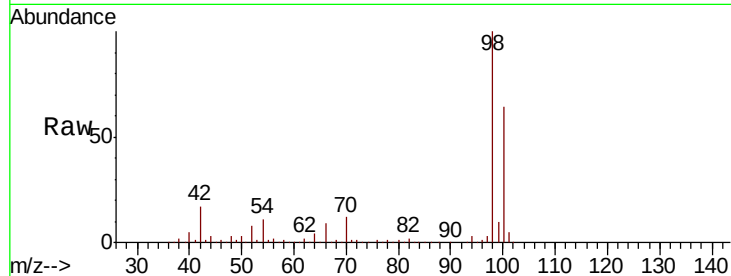
ICVFN082319

Tgt Ion: 98 Resp: 531998

Ion Ratio Lower Upper

98 100

100 64.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057463.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057463.D (-2570) (-)

10.08

300000

200000

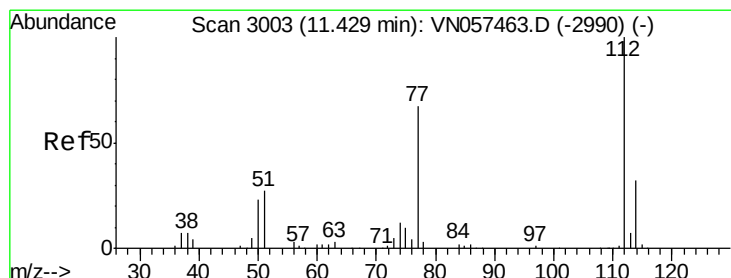
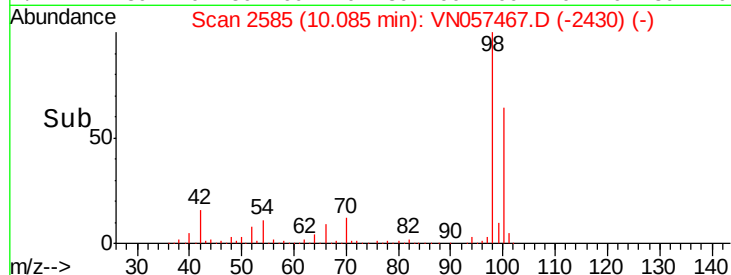
100000

0

10.00

10.10

Time-->



#64

Chlorobenzene

Concen: 20.156 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057467.D

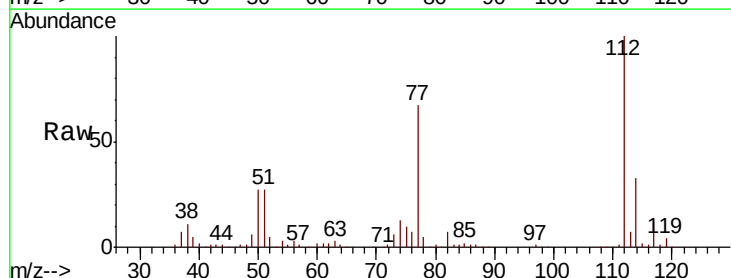
Acq: 23 Aug 2019 11:53

Tgt Ion: 112 Resp: 235498

Ion Ratio Lower Upper

112 100

114 33.0 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN057463.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057463.D (-2990) (-)

11.43

150000

100000

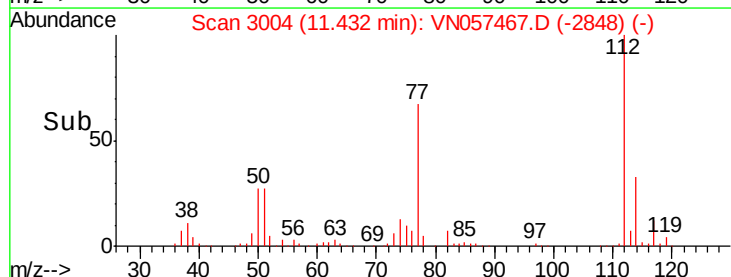
50000

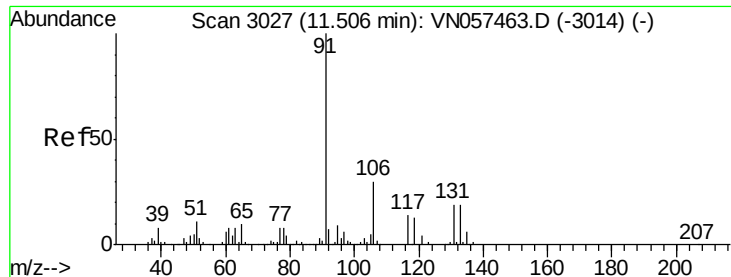
0

11.40

11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.021 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

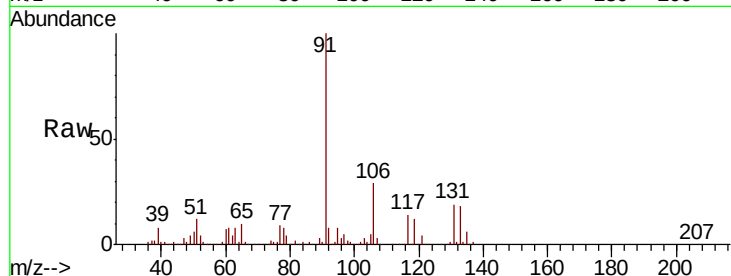
Tgt Ion:131 Resp: 88896

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.6

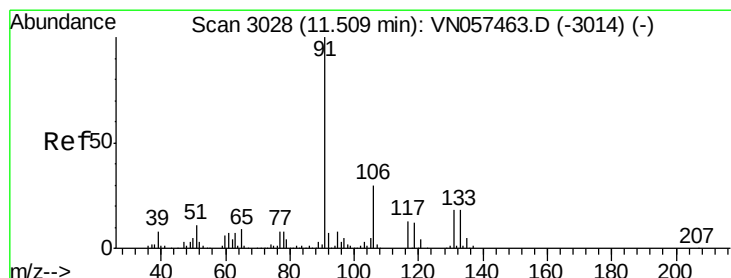
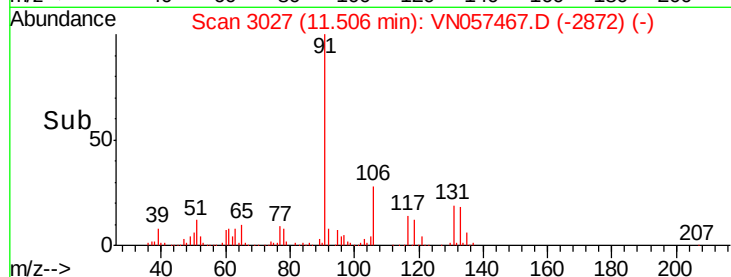
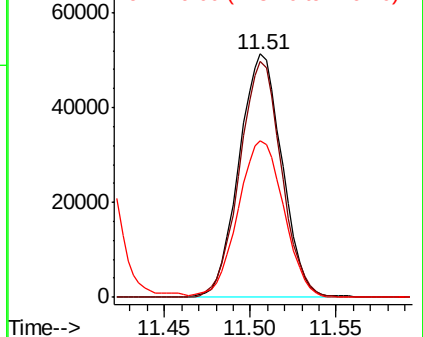
119 68.6 0.0 137.4



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: 20.103 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057467.D

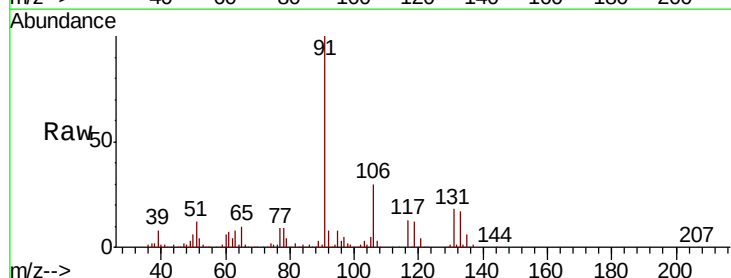
Acq: 23 Aug 2019 11:53

Tgt Ion: 91 Resp: 462389

Ion Ratio Lower Upper

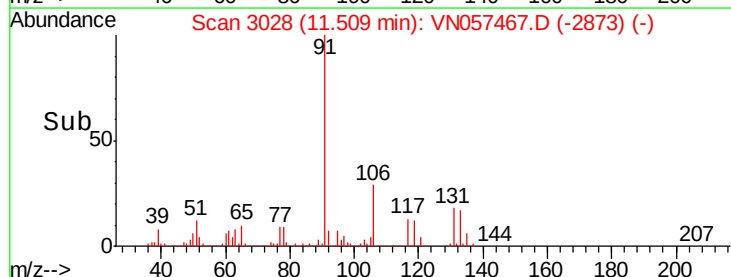
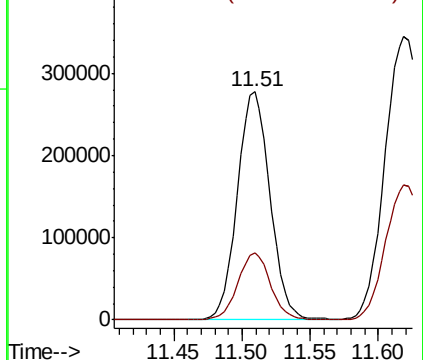
91 100

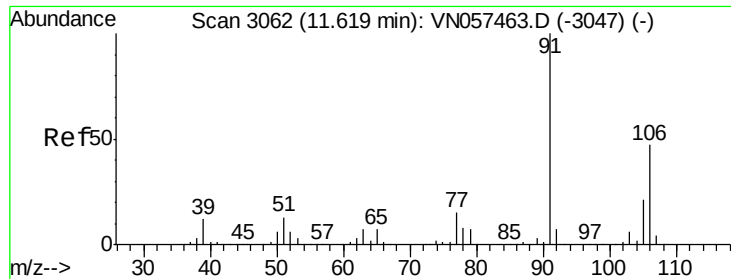
106 29.6 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

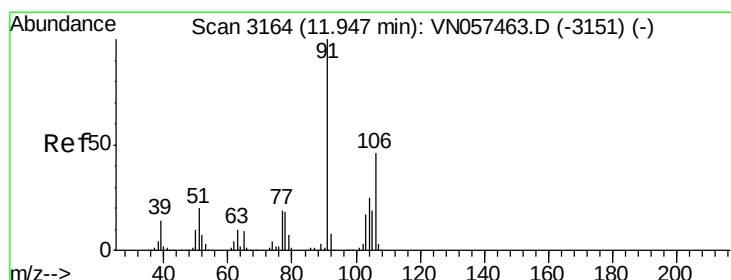
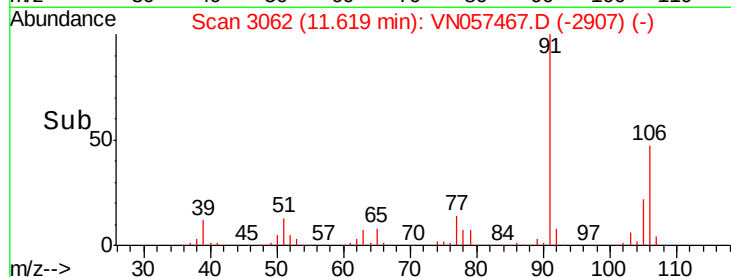
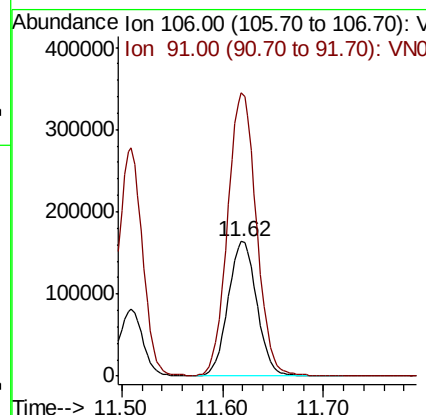
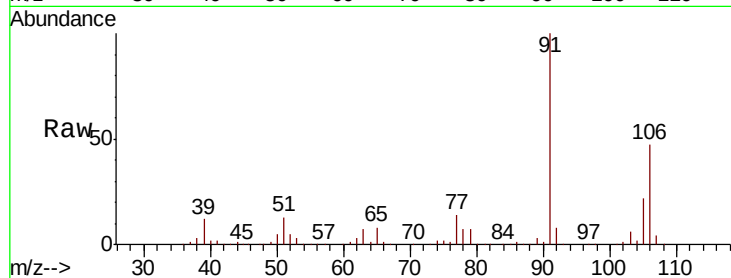




#67
m/p-Xylenes
Concen: 41.069 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

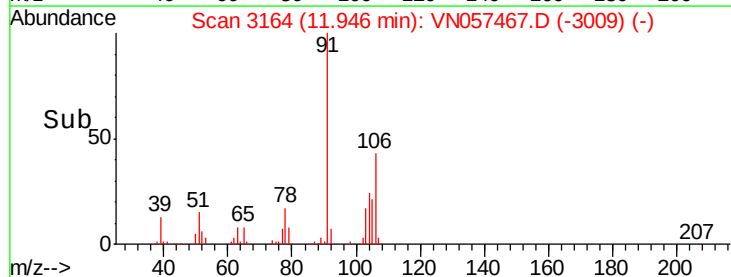
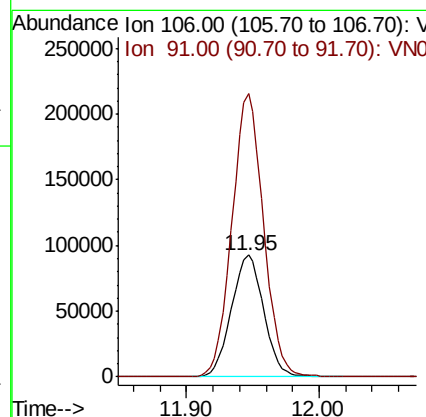
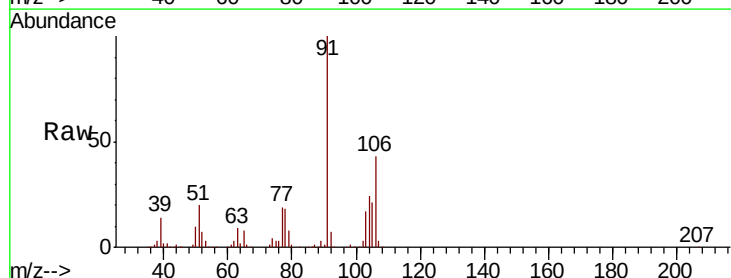
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

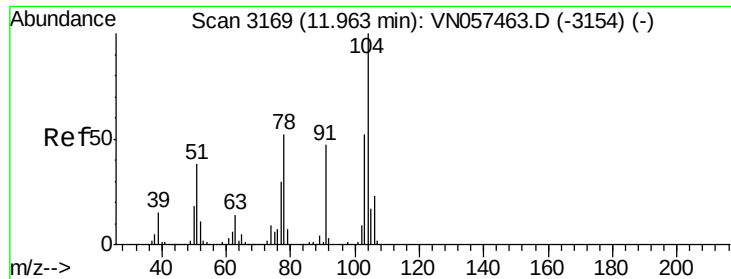
Tgt Ion:106 Resp: 327634
Ion Ratio Lower Upper
106 100
91 208.8 172.9 259.3



#68
o-Xylene
Concen: 19.874 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion:106 Resp: 156680
Ion Ratio Lower Upper
106 100
91 227.0 111.1 333.4

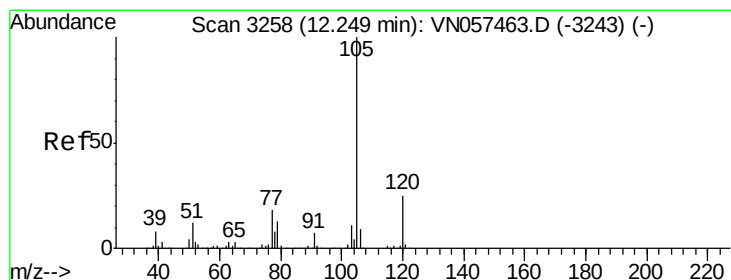
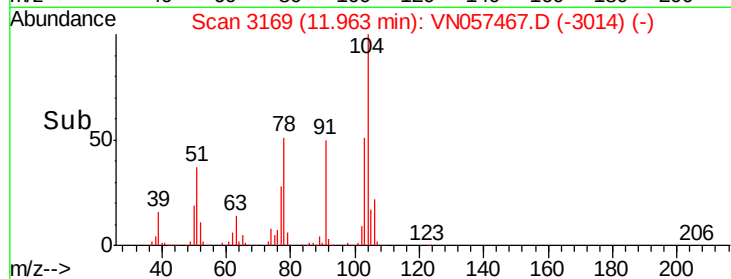
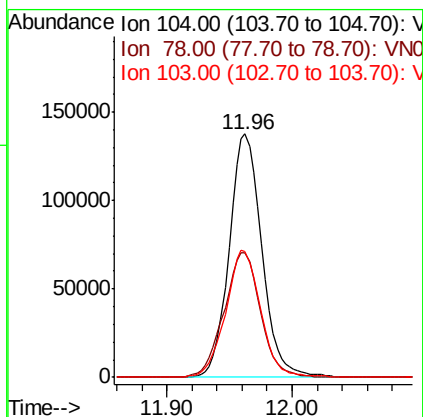
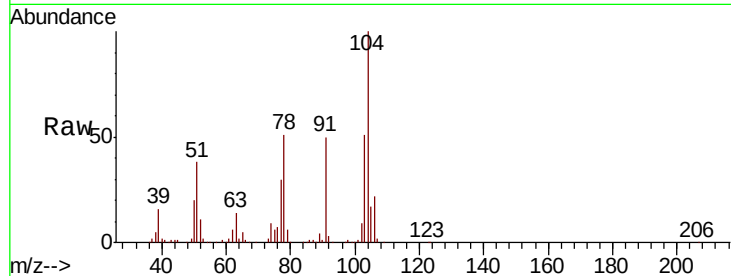




#69
 Styrene
 Concen: 19.821 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

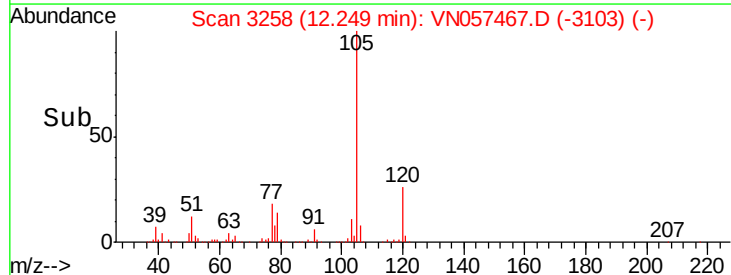
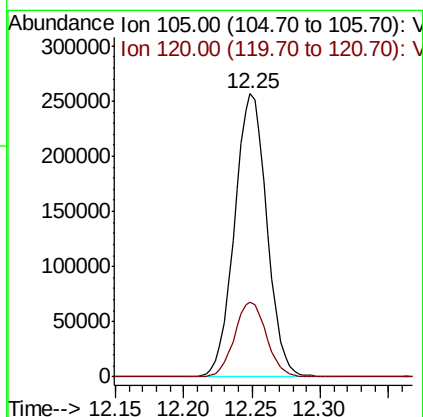
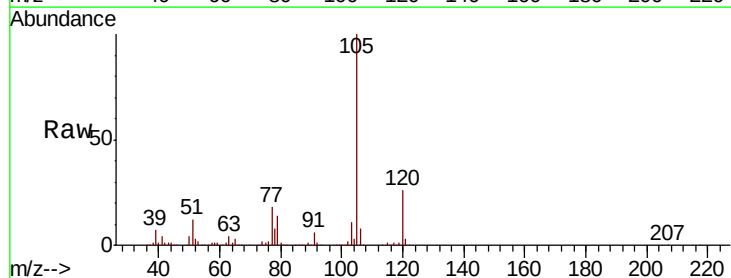
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082319

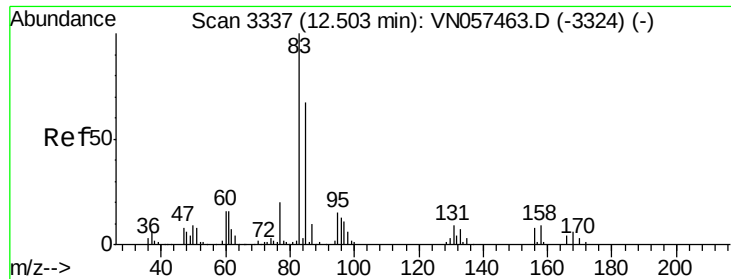
Tgt Ion:104 Resp: 249630
 Ion Ratio Lower Upper
 104 100
 78 57.1 46.5 69.7
 103 55.6 45.9 68.9



#70
 Isopropylbenzene
 Concen: 19.980 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion:105 Resp: 421381
 Ion Ratio Lower Upper
 105 100
 120 26.1 17.8 33.1

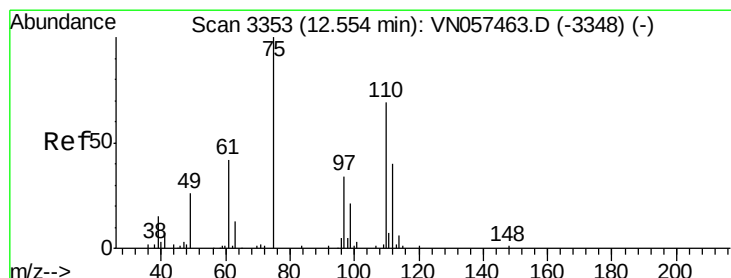
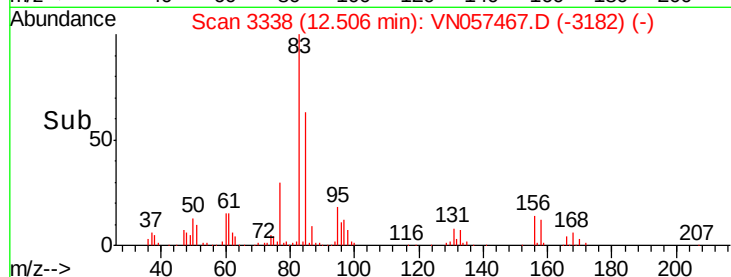
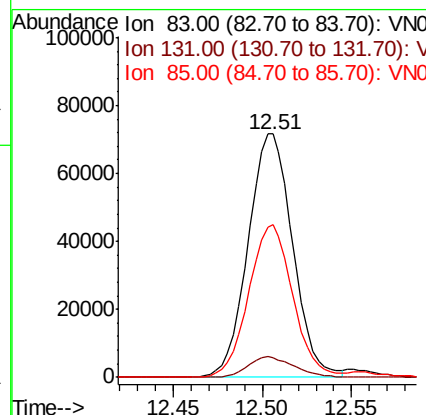
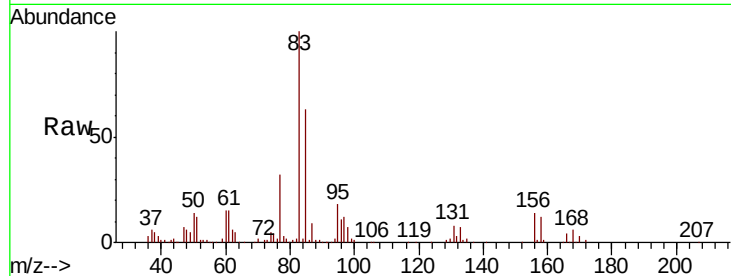




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.535 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

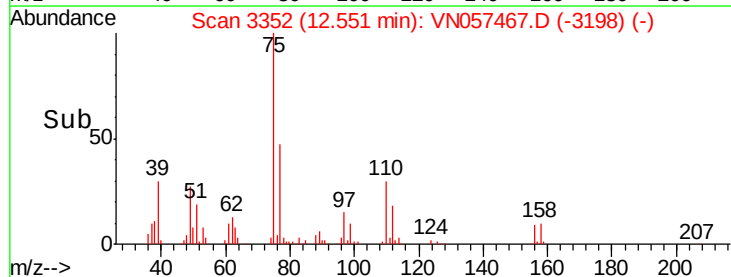
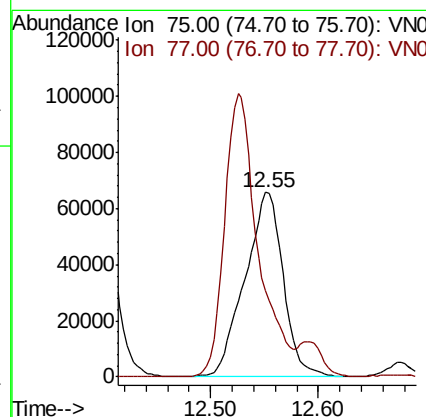
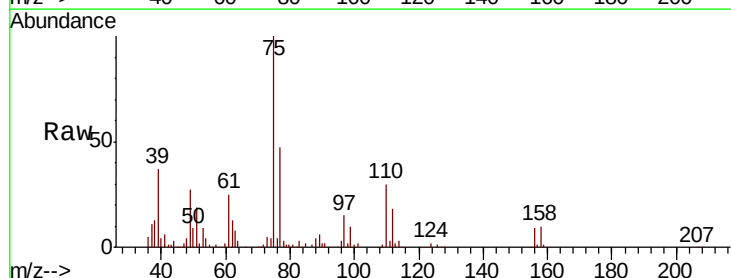
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

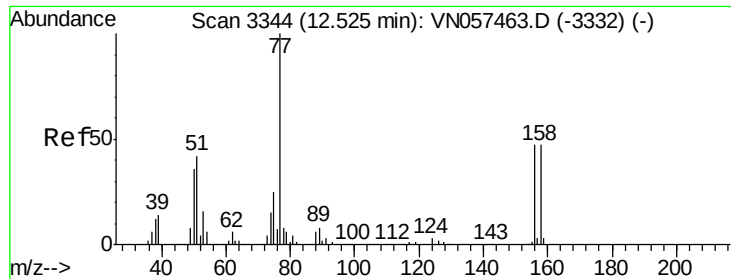
Tgt Ion: 83 Resp: 125244
 Ion Ratio Lower Upper
 83 100
 131 8.7 4.7 14.1
 85 62.1 33.1 99.2



#72
 1,2,3-Trichloropropane
 Concen: 29.383 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 75 Resp: 162679
 Ion Ratio Lower Upper
 75 100
 77 133.8 0.0 380.2





#73

Bromobenzene

Concen: 19.569 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN082319

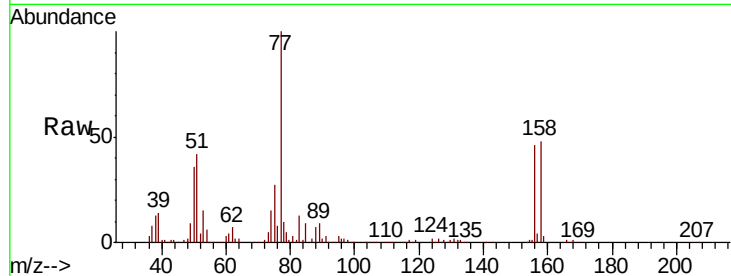
Tgt Ion:156 Resp: 83537

Ion Ratio Lower Upper

156 100

77 260.5 0.0 506.8

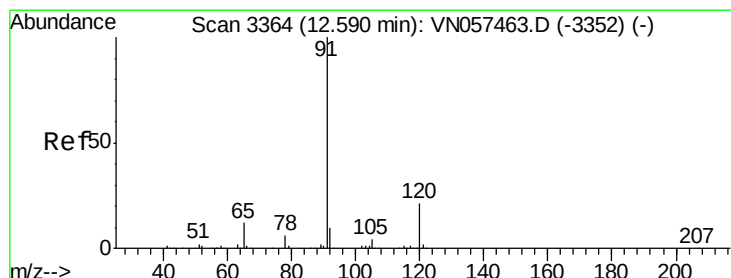
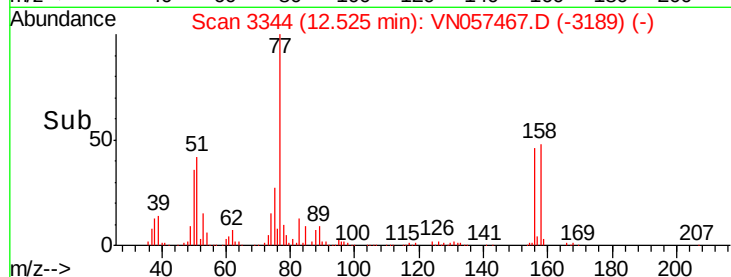
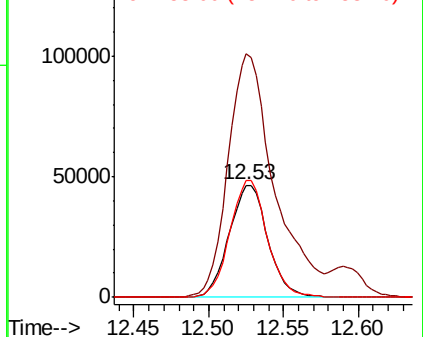
158 101.2 0.0 196.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.035 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057467.D

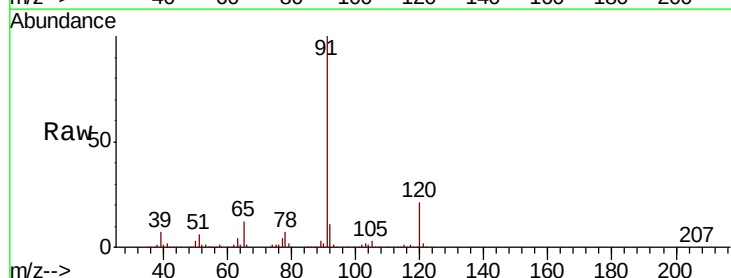
Acq: 23 Aug 2019 11:53

Tgt Ion: 91 Resp: 481838

Ion Ratio Lower Upper

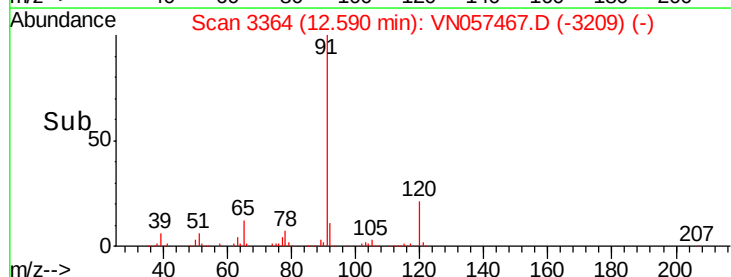
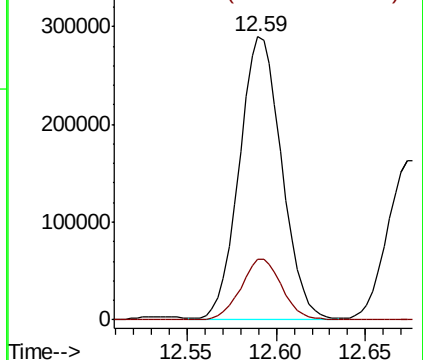
91 100

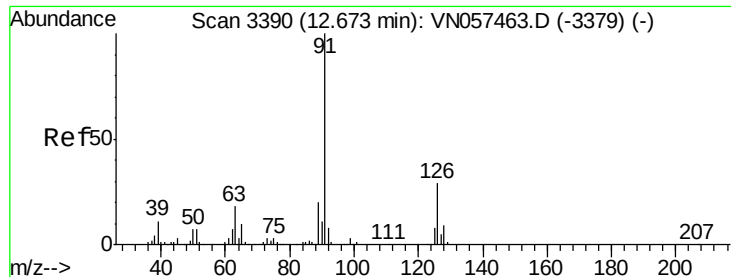
120 20.8 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.071 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

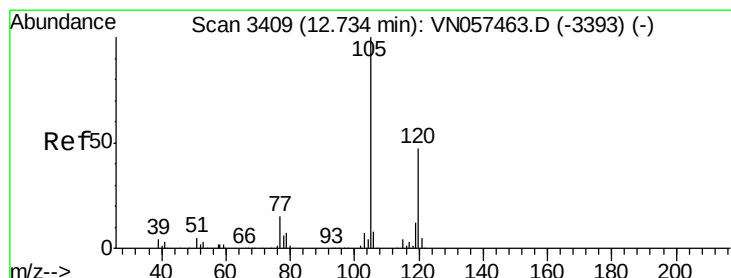
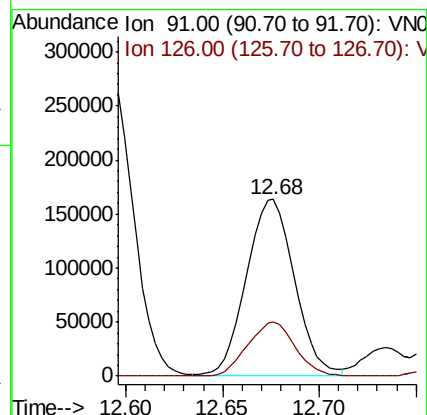
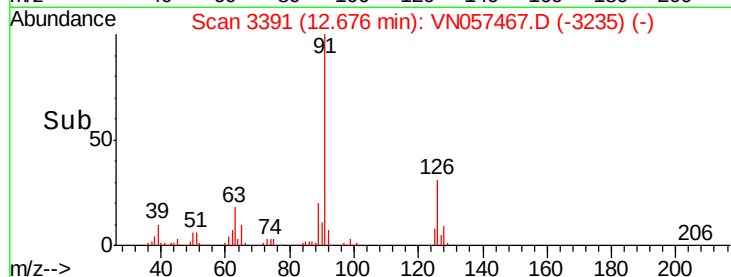
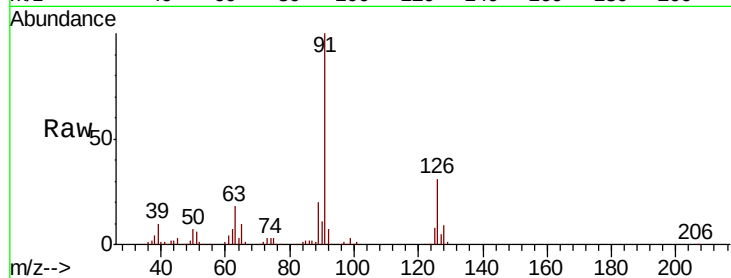
ICVVN082319

Tgt Ion: 91 Resp: 284274

Ion Ratio Lower Upper

91 100

126 30.1 0.0 60.4



#76

1,3,5-Trimethylbenzene

Concen: 20.045 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057467.D

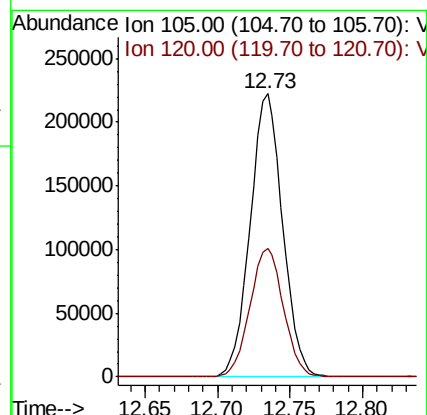
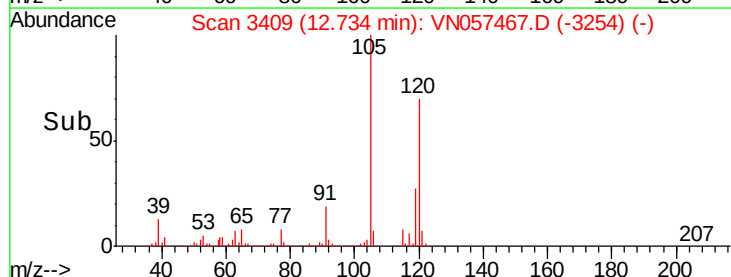
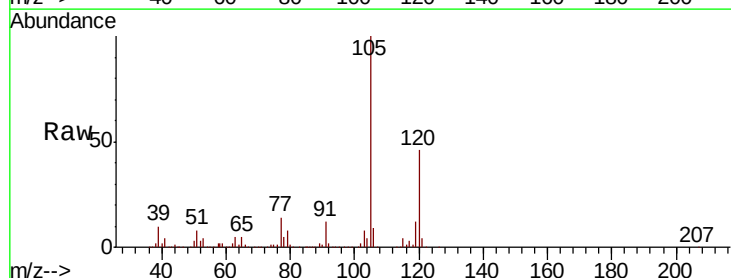
Acq: 23 Aug 2019 11:53

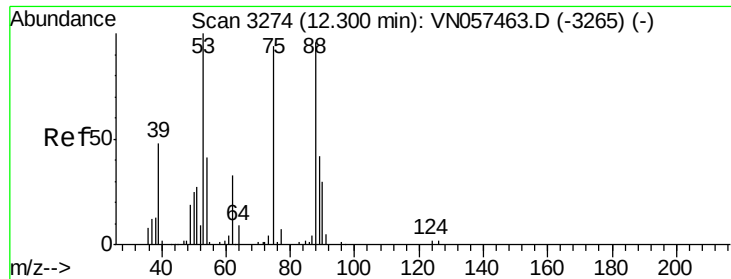
Tgt Ion: 105 Resp: 346952

Ion Ratio Lower Upper

105 100

120 46.7 0.0 94.4

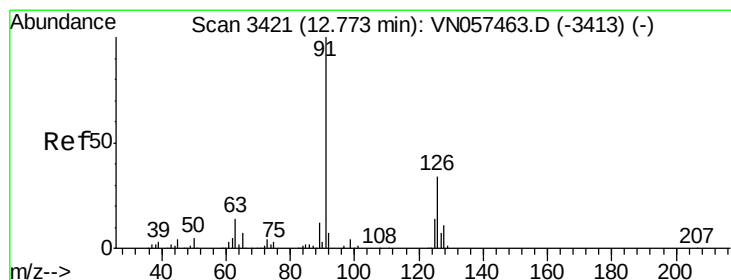
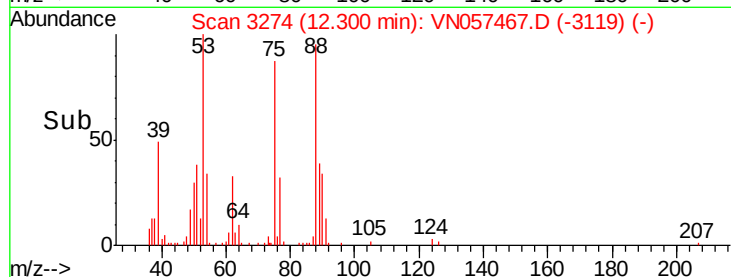
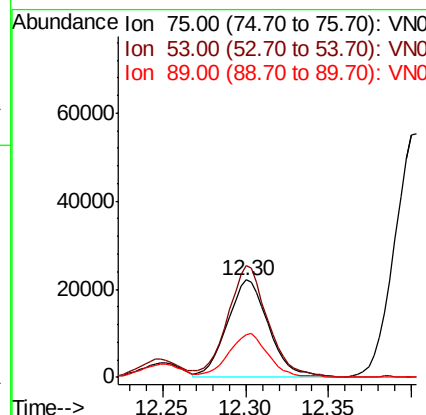
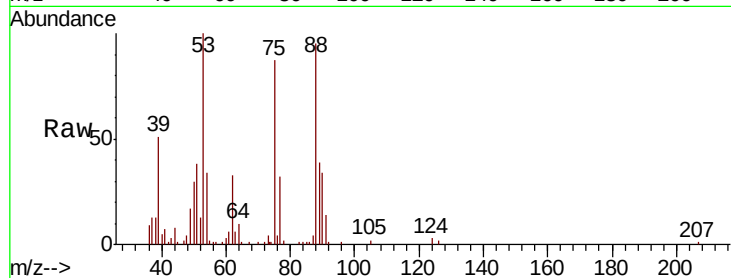




#77
t-1,4-Dichloro-2-butene
Concen: 19.389 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

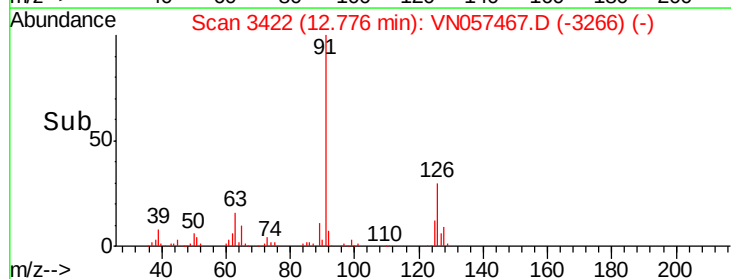
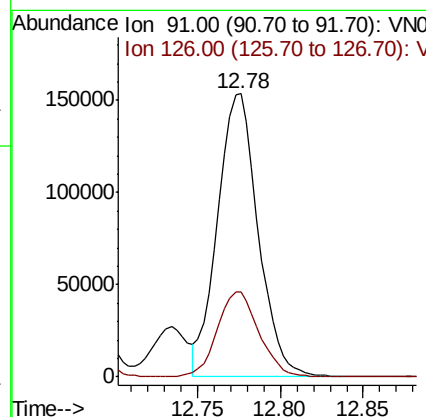
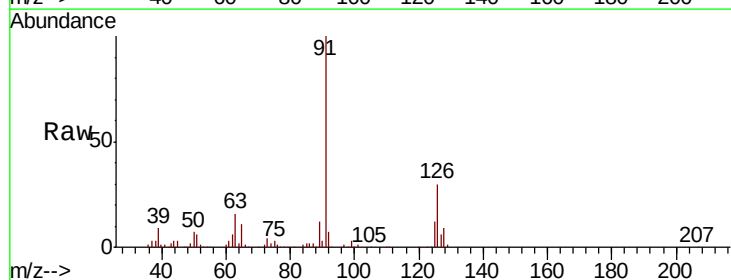
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

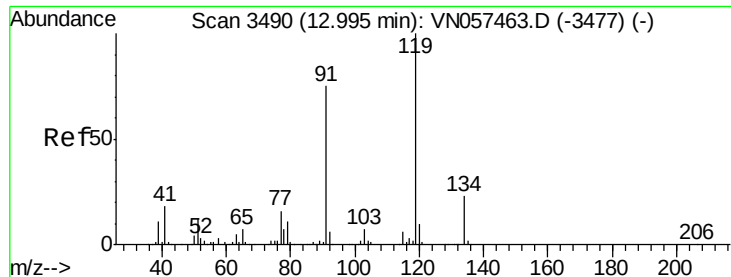
Tgt Ion: 75 Resp: 38495
Ion Ratio Lower Upper
75 100
53 114.2 55.6 166.9
89 44.4 23.8 71.4



#78
4-Chlorotoluene
Concen: 19.557 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion: 91 Resp: 261725
Ion Ratio Lower Upper
91 100
126 30.8 0.0 61.6

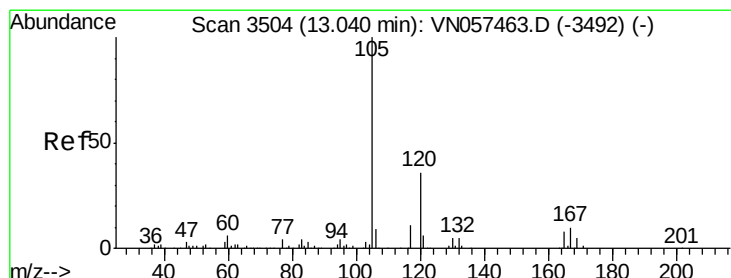
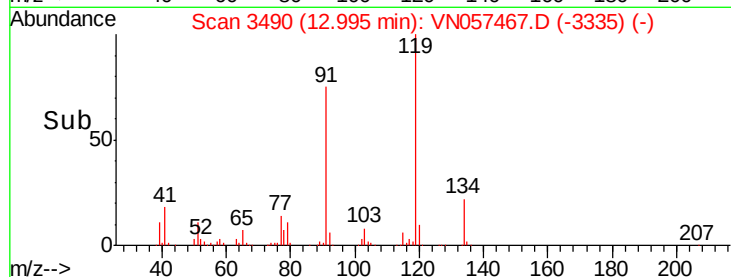
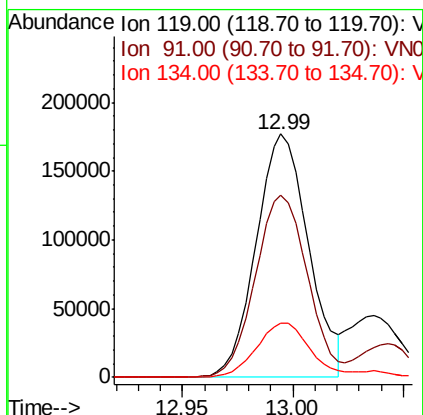
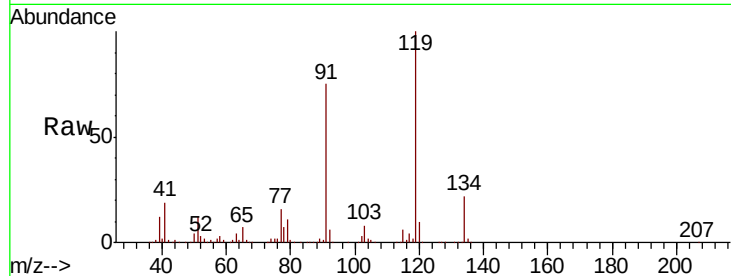




#79
tert-butylbenzene
Concen: 19.787 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

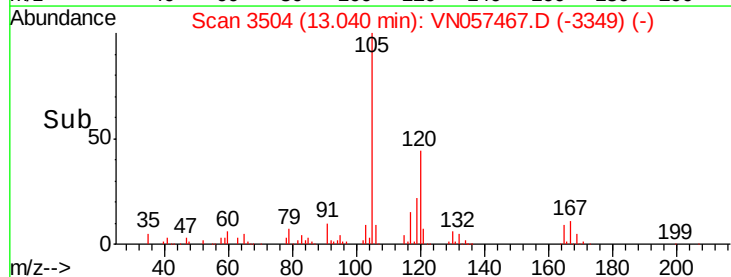
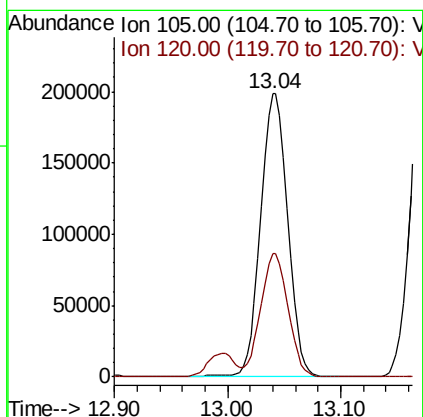
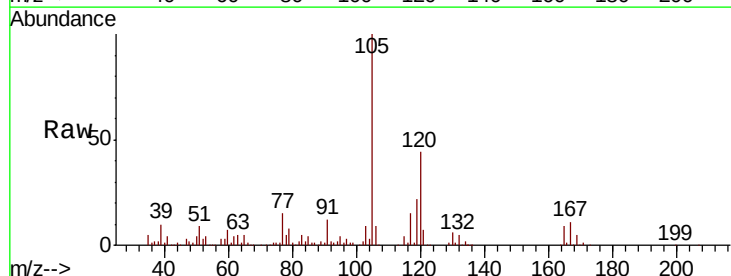
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082319

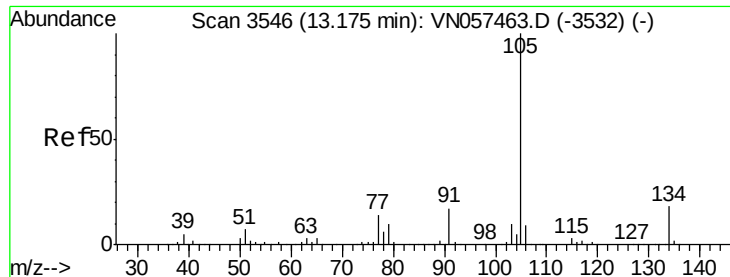
Tgt Ion:119 Resp: 291424
Ion Ratio Lower Upper
119 100
91 75.1 0.0 146.6
134 23.0 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 20.547 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057467.D
Acq: 23 Aug 2019 11:53

Tgt Ion:105 Resp: 331555
Ion Ratio Lower Upper
105 100
120 43.6 0.0 85.4

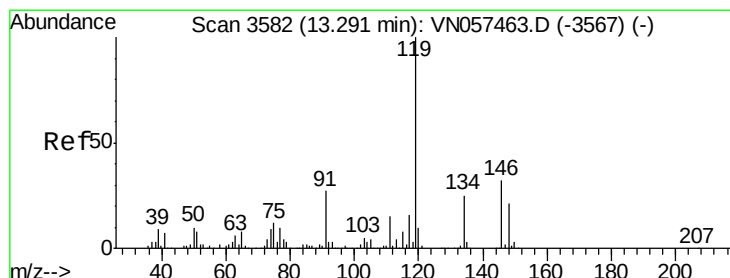
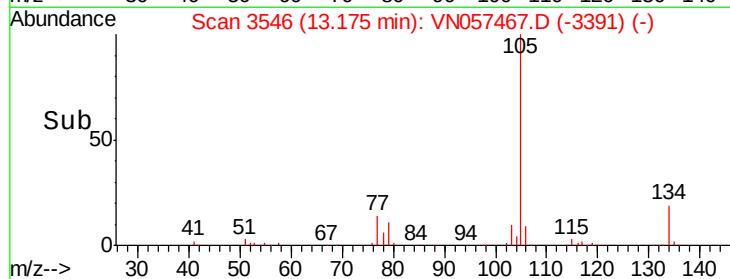
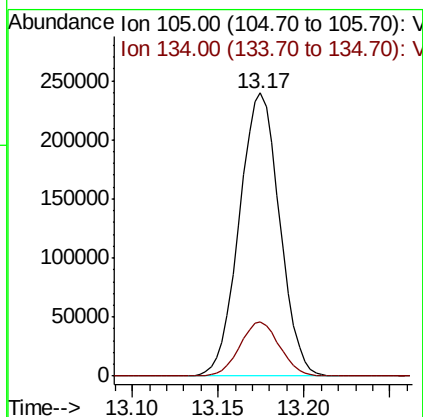
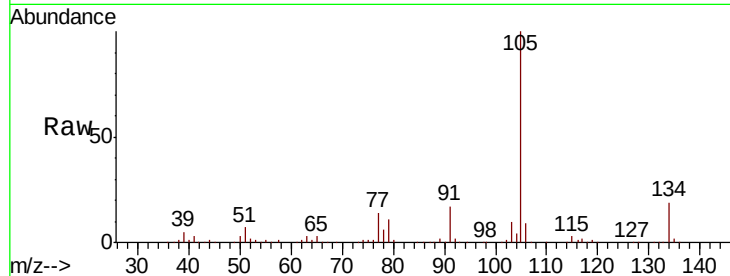




#81
 sec-Butylbenzene
 Concen: 20.047 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

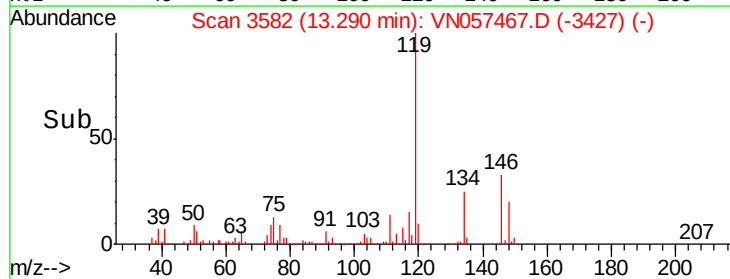
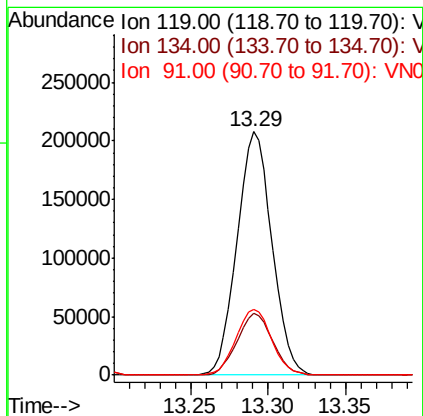
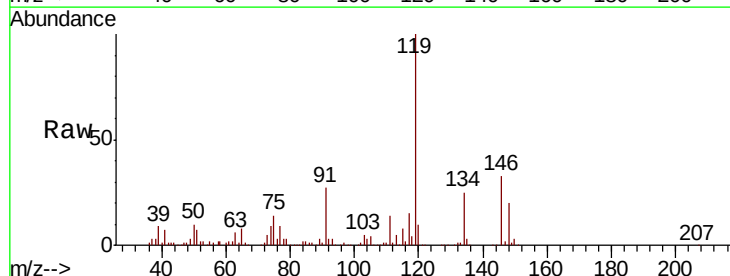
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

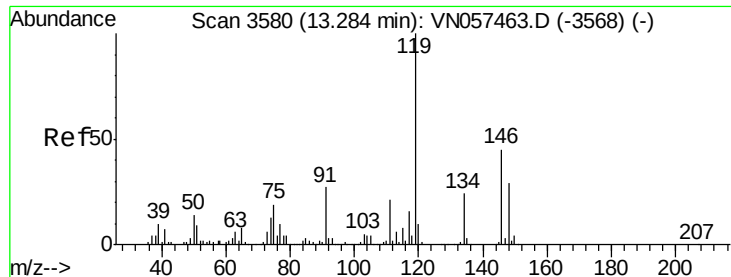
Tgt Ion:105 Resp: 389076
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 36.0



#82
 p-Isopropyltoluene
 Concen: 20.005 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion:119 Resp: 326410
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 49.6
 91 27.5 0.0 55.2

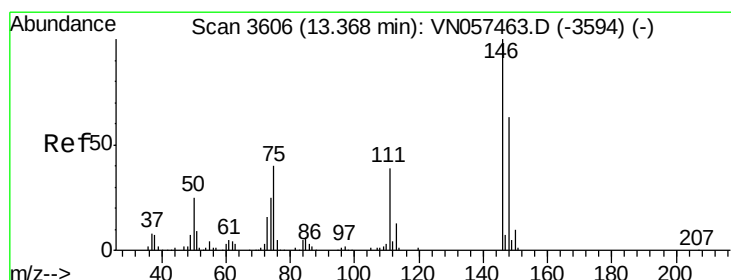
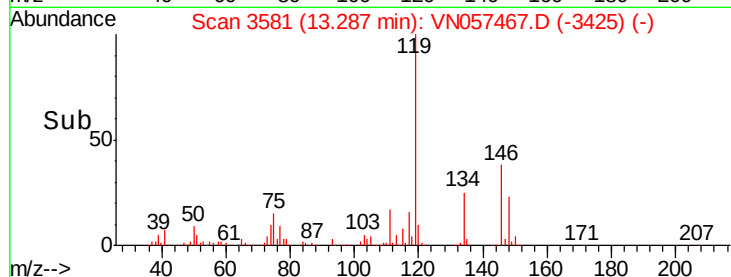
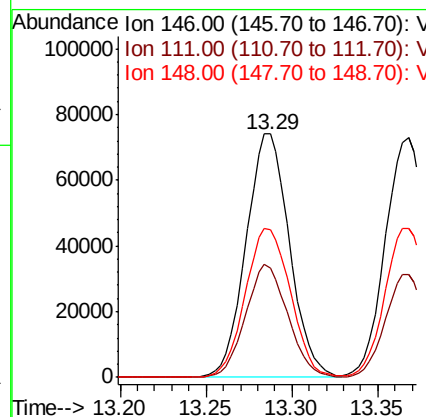
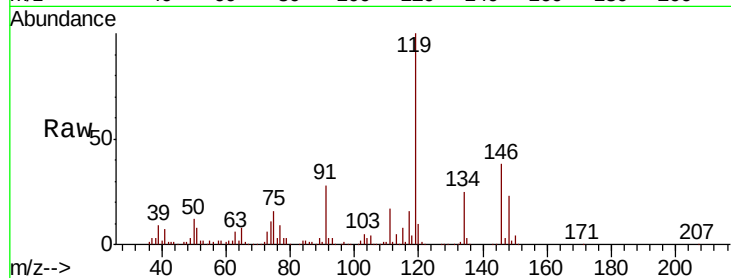




#83
 1,3-Dichlorobenzene
 Concen: 19.520 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

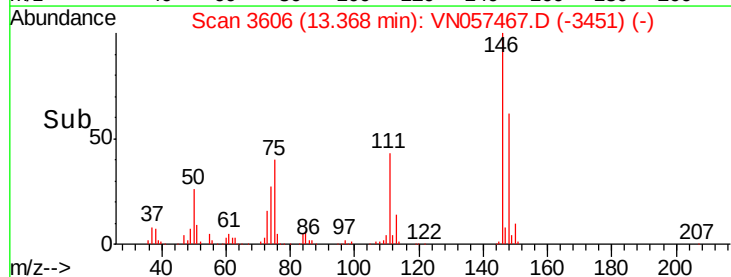
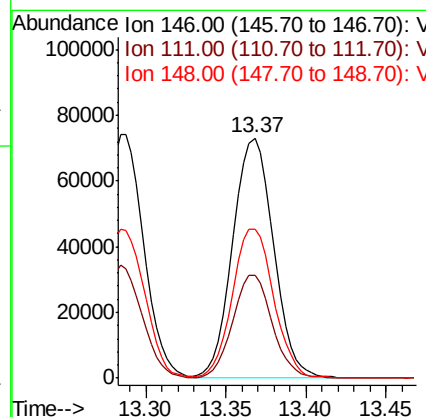
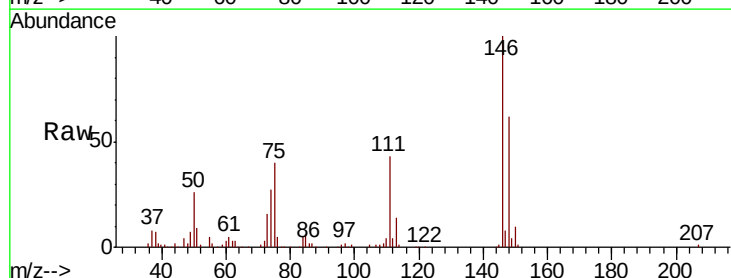
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

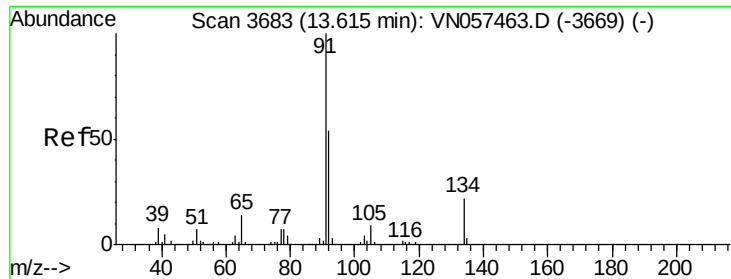
Tgt Ion:146 Resp: 129722
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.4 67.0
 148 63.4 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 19.700 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion:146 Resp: 127360
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 62.6 31.9 95.7





#85

n-Butylbenzene

Concen: 20.264 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082319

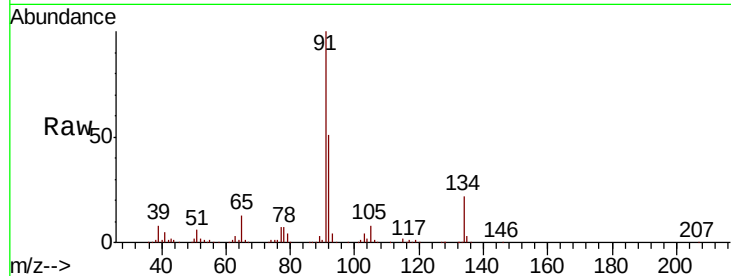
Tgt Ion: 91 Resp: 288255

Ion Ratio Lower Upper

91 100

92 50.9 0.0 105.6

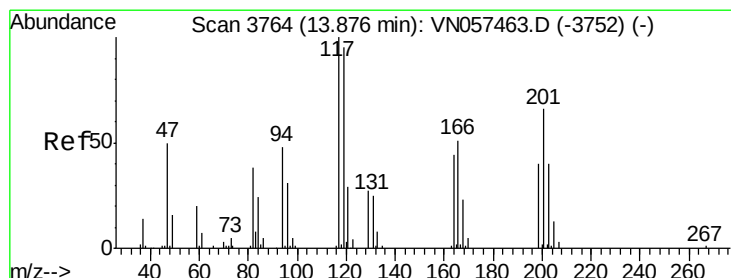
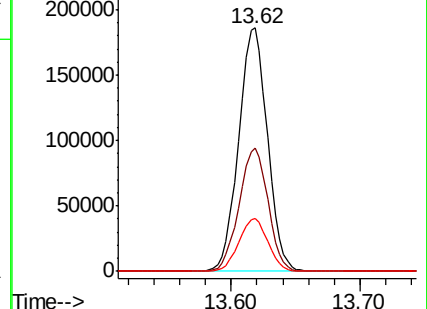
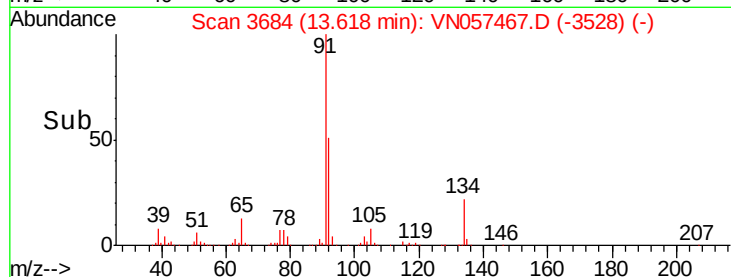
134 21.8 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN057467.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057467.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057467.D (-3669) (-)



#86

Hexachloroethane

Concen: 20.407 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057467.D

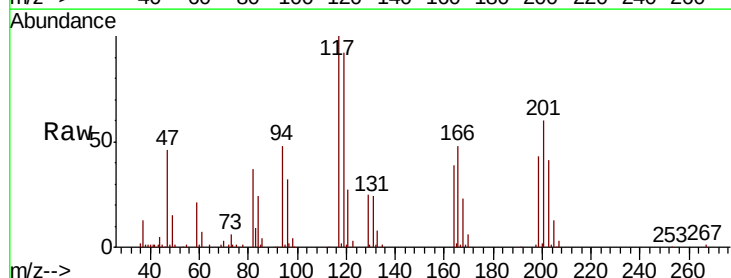
Acq: 23 Aug 2019 11:53

Tgt Ion: 117 Resp: 67186

Ion Ratio Lower Upper

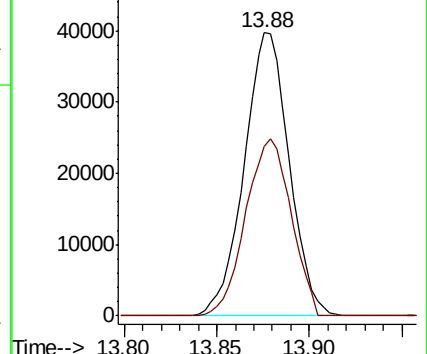
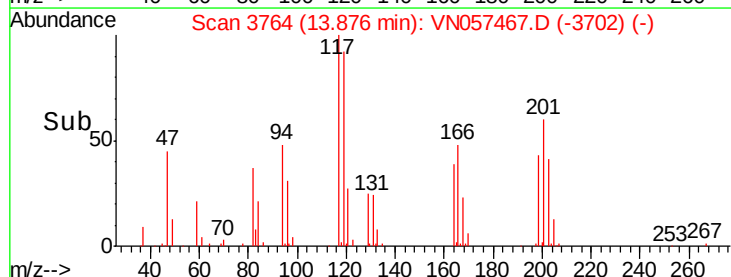
117 100

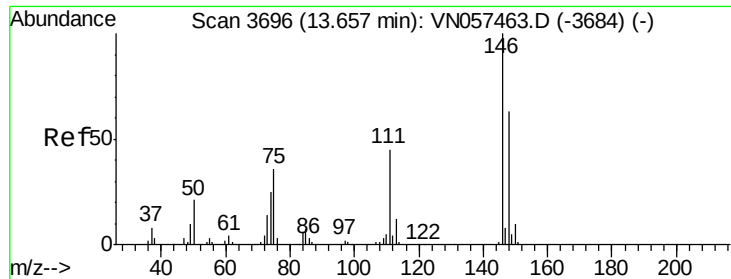
201 63.2 34.0 101.8



Abundance Ion 117.00 (116.70 to 117.70): VN057467.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057467.D (-3752) (-)

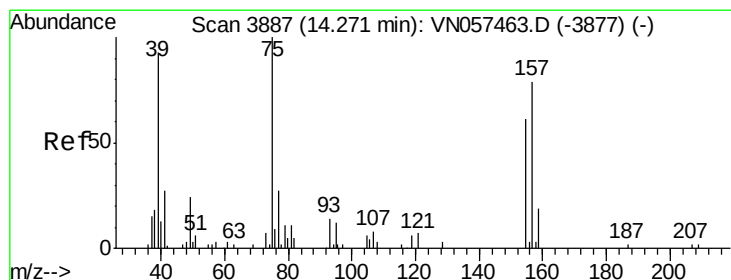
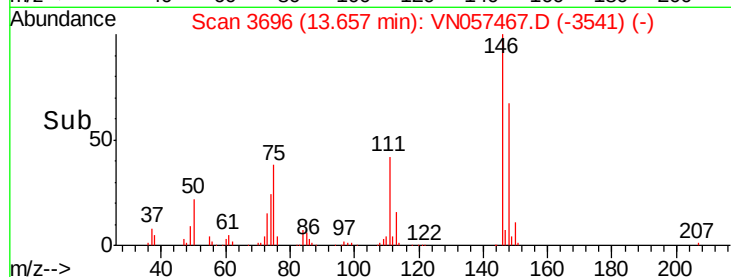
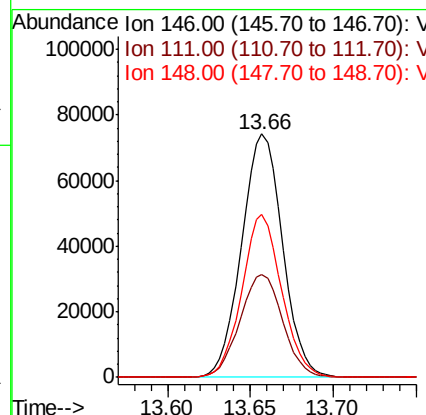
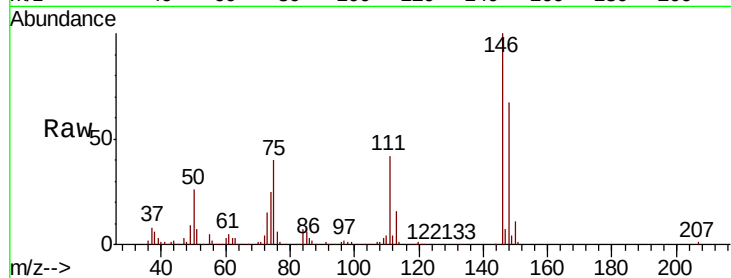




#87
 1,2-Dichlorobenzene
 Concen: 19.516 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

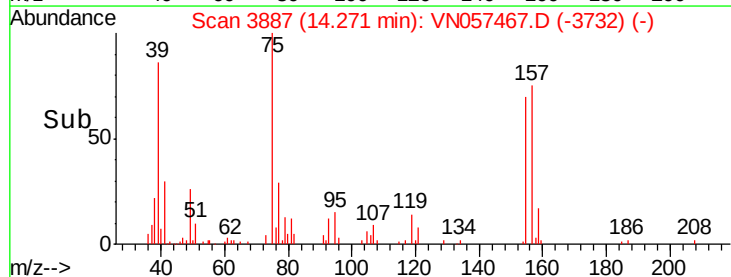
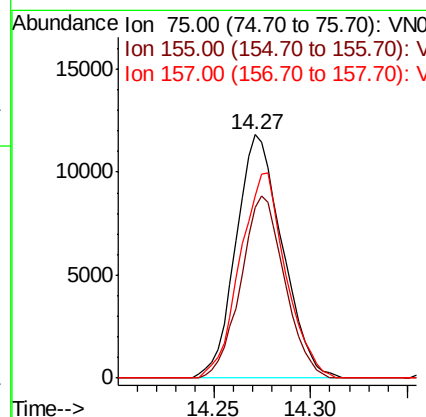
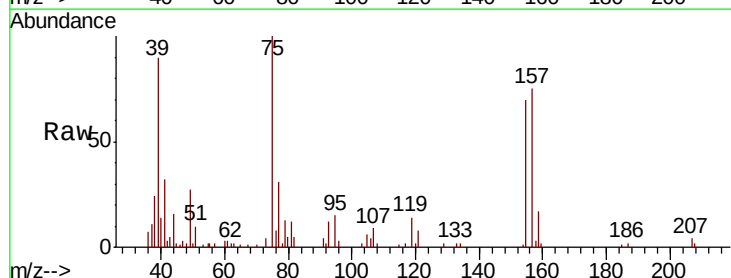
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

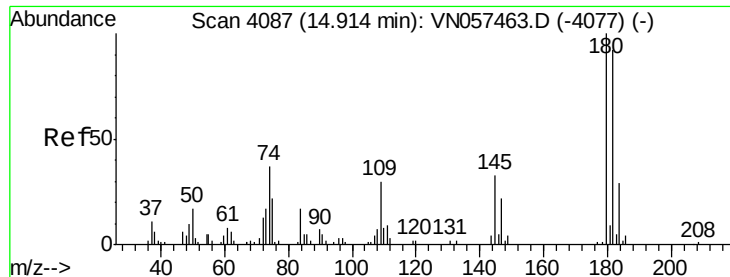
Tgt Ion: 146 Resp: 127370
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.5 67.5
 148 64.9 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.268 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion: 75 Resp: 19722
 Ion Ratio Lower Upper
 75 100
 155 70.6 53.7 80.5
 157 83.2 63.5 95.3

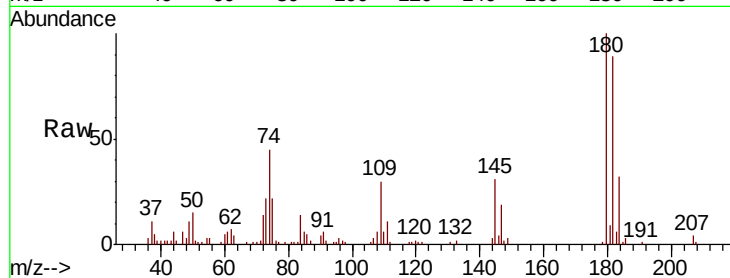




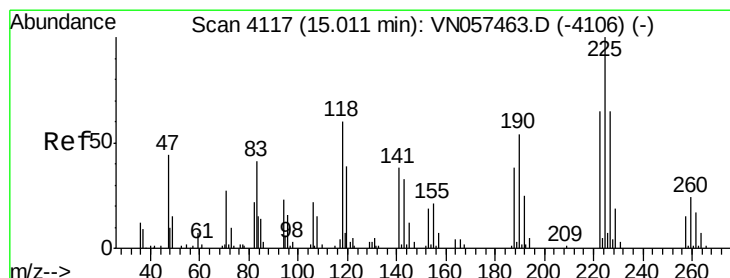
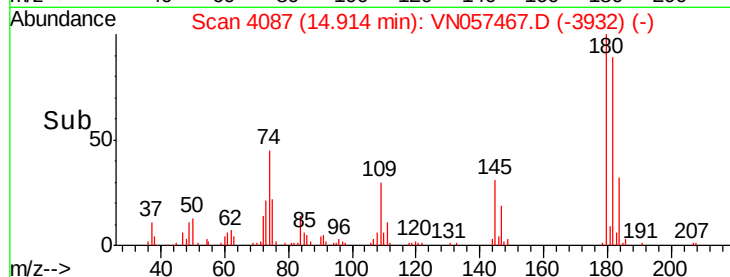
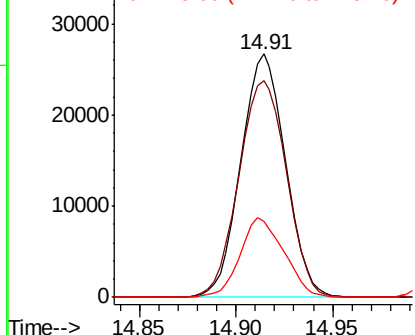
#89
 1,2,4-Trichlorobenzene
 Concen: 17.546 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082319

Tgt Ion:180 Resp: 42907
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.4 113.2
 145 32.1 26.9 40.3

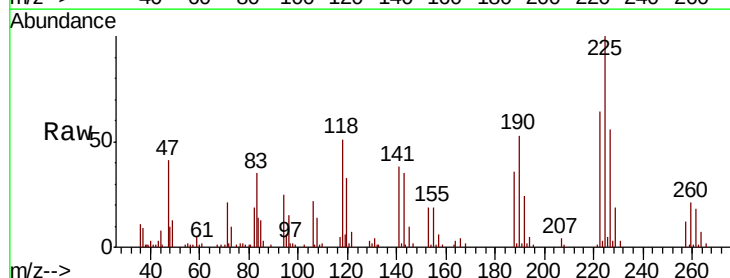


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

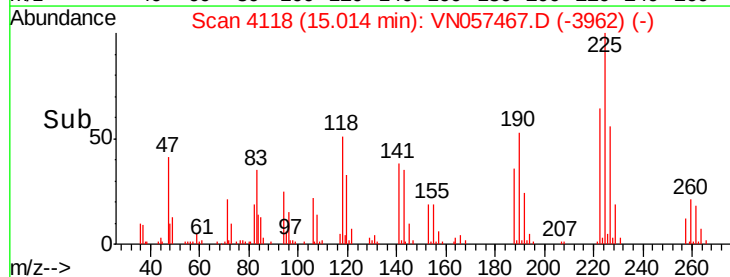
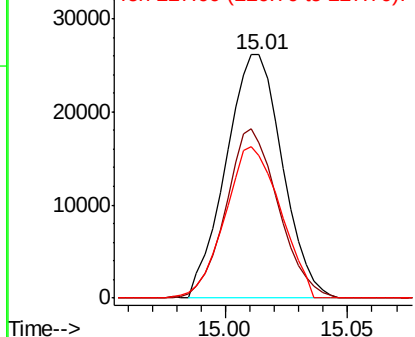


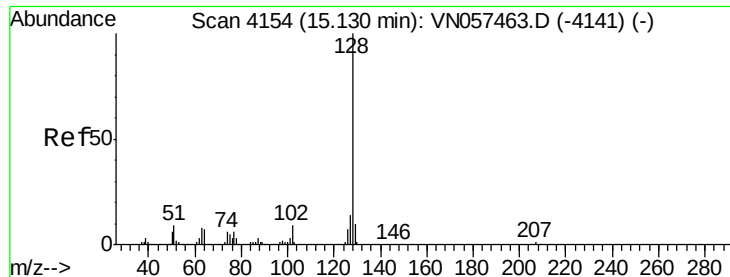
#90
 Hexachlorobutadiene
 Concen: 22.331 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057467.D
 Acq: 23 Aug 2019 11:53

Tgt Ion:225 Resp: 41986
 Ion Ratio Lower Upper
 225 100
 223 64.8 0.0 123.6
 227 61.2 0.0 126.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 21.656 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN082319

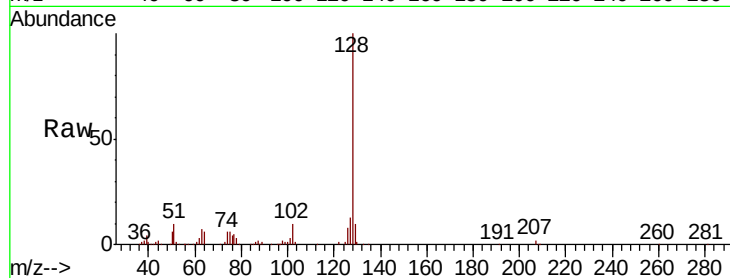
Tgt Ion:128 Resp: 140428

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

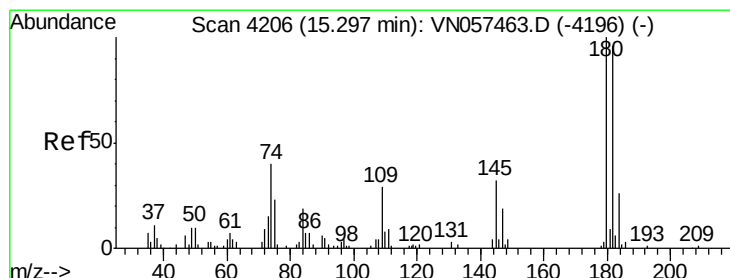
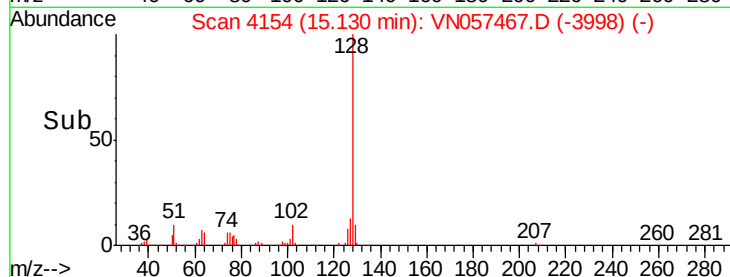
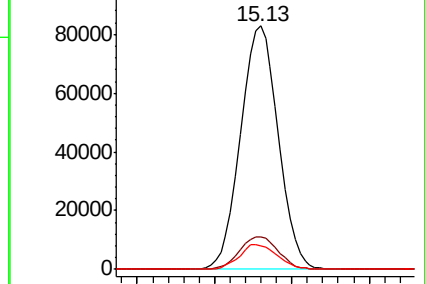
129 10.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.878 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057467.D

Acq: 23 Aug 2019 11:53

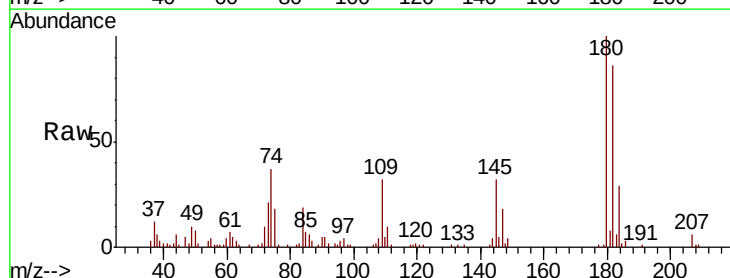
Tgt Ion:180 Resp: 46167

Ion Ratio Lower Upper

180 100

182 93.5 0.0 187.0

145 33.6 0.0 64.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

