

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057103.D
 Acq On : 6 Aug 2019 15:07
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 07 02:15:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71698	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	398652	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	347328	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145478	31.00	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.33%
60) 4-Bromofluorobenzene	12.40	95	150360	28.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.27%
63) Toluene-d8	10.08	98	486380	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	88846	20.726	ug/l 95
3) Chloromethane	2.05	50	99409	19.004	ug/l 96
4) Vinyl Chloride	2.18	62	91525	18.148	ug/l 100
6) Chloroethane	2.66	64	48847	17.461	ug/l 99
7) Trichlorofluoromethane	2.99	101	127702	20.792	ug/l 97
8) Diethyl Ether	3.40	74	46548	20.340	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75287	19.519	ug/l 97
10) 1,1-Dichloroethene	3.72	96	74330	19.419	ug/l 94
11) Methyl Iodide	3.93	142	96497	17.040	ug/l 99
12) Methyl Acetate	4.31	43	83780	17.885	ug/l # 90
13) Acrolein	3.59	56	54965	103.676	ug/l 99
14) Acrylonitrile	4.97	53	165382	91.543	ug/l 99
15) Acetone	3.81	58	68711	147.112	ug/l 92
16) Carbon Disulfide	4.03	76	173971	16.856	ug/l 99
17) Allyl chloride	4.30	41	113638	17.741	ug/l 96
18) Methylene Chloride	4.53	84	88922	19.960	ug/l 95
19) trans-1,2-Dichloroethene	5.02	96	77004	19.009	ug/l 98
20) Diisopropyl ether	5.94	45	238972	18.376	ug/l 98
21) 1,1-Dichloroethane	5.83	63	143847	19.033	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	88667	18.886	ug/l 99
23) tert-Butyl Alcohol	4.79	59	53977	89.530	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	224531	19.402	ug/l 98
25) Chloroform	7.36	83	143855	19.511	ug/l 100
26) Cyclohexane	7.64	56	127992	18.435	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	100950	17.844	ug/l 99
30) 2-Butanone	6.82	43	237003	104.275	ug/l 99
31) 2,2-Dichloropropane	6.81	77	110139	20.979	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	119865	19.283	ug/l 98
33) Carbon Tetrachloride	7.76	117	103557	19.088	ug/l 97
34) Benzene	8.03	78	329545	18.488	ug/l 99
35) Methacrylonitrile	7.16	41	34903	15.377	ug/l 91
36) 1,2-Dichloroethane	8.11	62	106049	19.137	ug/l 99
37) Trichloroethene	8.83	130	89916	18.815	ug/l 97
38) Methylcyclohexane	9.07	83	131044	18.210	ug/l 98
39) 1,2-Dichloropropane	9.11	63	85177	17.902	ug/l 98
40) Dibromomethane	9.20	93	55821	19.124	ug/l 98
41) Bromodichloromethane	9.39	83	102560	18.285	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.88	43	898237	88.742	ug/l	99
43) Ethyl Acetate	6.92	43	83403	17.900	ug/l #	92
44) Isopropyl Acetate	8.16	43	167514	21.568	ug/l #	80
45) 1,4-Dioxane	9.19	88	28740	388.699	ug/l	91
46) Methyl methacrylate	9.19	41	66653	17.202	ug/l	96
47) n-amyl Acetate	12.07	43	106720	17.165	ug/l	98
48) t-1,3-Dichloropropene	10.37	75	107845	18.477	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	124744	18.341	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	79467	18.962	ug/l	98
51) Ethyl methacrylate	10.42	69	110660	18.256	ug/l	97
52) 1,3-Dichloropropane	10.70	76	133760	18.912	ug/l	99
53) Dibromochloromethane	10.90	129	80729	18.532	ug/l	100
54) 1,2-Dibromoethane	11.00	107	80928	18.929	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	170064	64.781	ug/l	98
56) Bromoform	12.12	173	54443	18.064	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	422418	90.628	ug/l	98
59) 2-Hexanone	10.75	43	319477	100.588	ug/l	99
61) Tetrachloroethene	10.63	164	93012	19.108	ug/l	99
62) Toluene	10.15	91	355529	18.821	ug/l	100
64) Chlorobenzene	11.43	112	217986	19.157	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	82247	19.084	ug/l	99
66) Ethyl Benzene	11.51	91	374428	18.810	ug/l	98
67) m/p-Xylenes	11.62	106	282874	38.108	ug/l	99
68) o-Xylene	11.94	106	139400	19.101	ug/l	97
69) Styrene	11.96	104	218097	18.441	ug/l	99
70) Isopropylbenzene	12.25	105	375158	19.523	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102082	18.966	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	121646	25.688	ug/l	65
73) Bromobenzene	12.52	156	95249	19.209	ug/l	97
74) n-propylbenzene	12.59	91	371968	17.703	ug/l	98
75) 2-Chlorotoluene	12.67	91	236806	18.590	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	311117	19.232	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	26571	17.871	ug/l	94
78) 4-Chlorotoluene	12.77	91	208996	17.260	ug/l	99
79) tert-butylbenzene	12.99	119	277306	19.864	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	294846	18.696	ug/l	99
81) sec-Butylbenzene	13.17	105	338250	18.559	ug/l	100
82) p-Isopropyltoluene	13.29	119	290677	17.758	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	127761	16.364	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113397	15.362	ug/l	99
85) n-Butylbenzene	13.61	91	196829	15.314	ug/l	98
86) Hexachloroethane	13.87	117	50858	18.566	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	130263	16.798	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14669	17.617	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	40866	15.665	ug/l	99
90) Hexachlorobutadiene	15.01	225	50524	17.725	ug/l	98
91) Naphthalene	15.12	128	101974	15.120	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	50040	12.206	ug/l	97

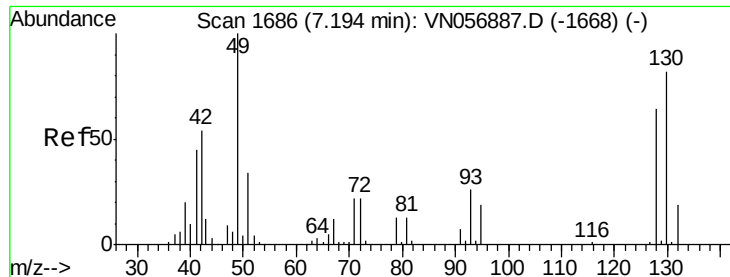
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

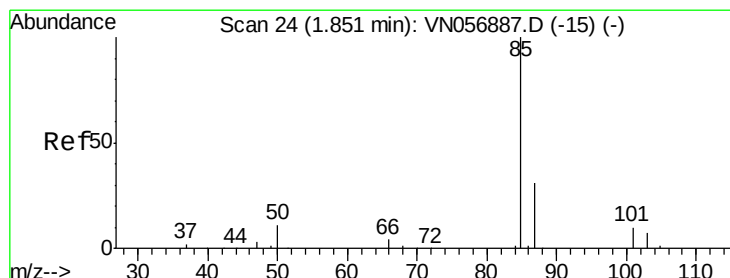
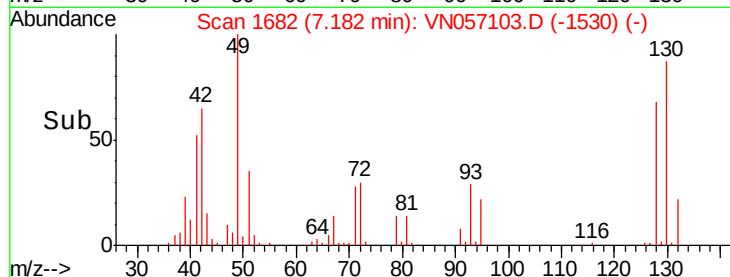
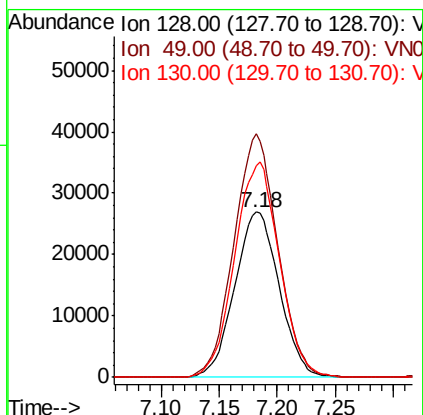
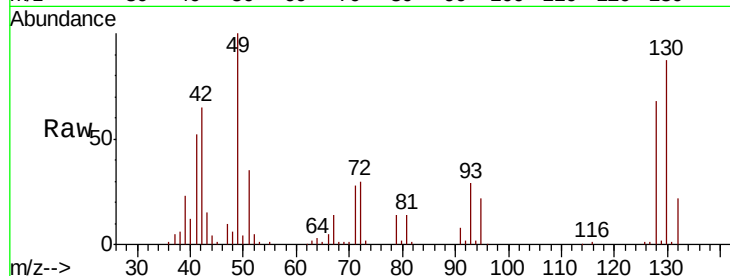
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

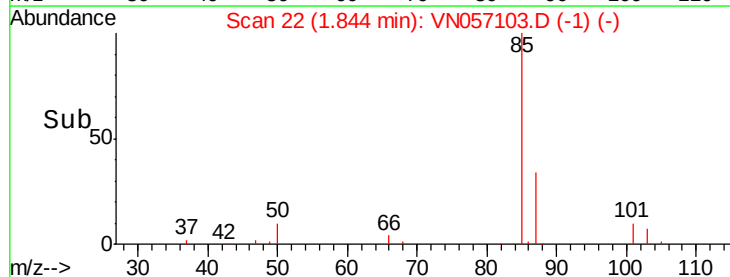
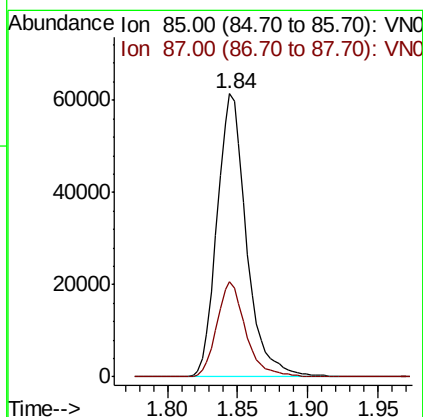
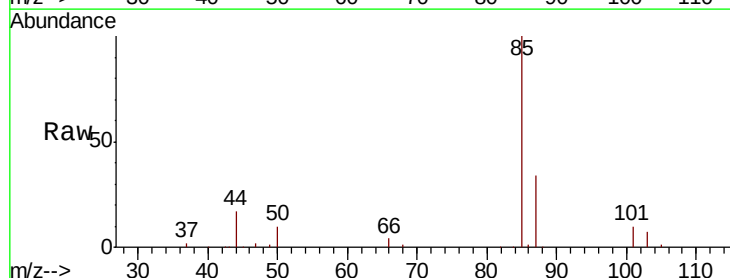
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

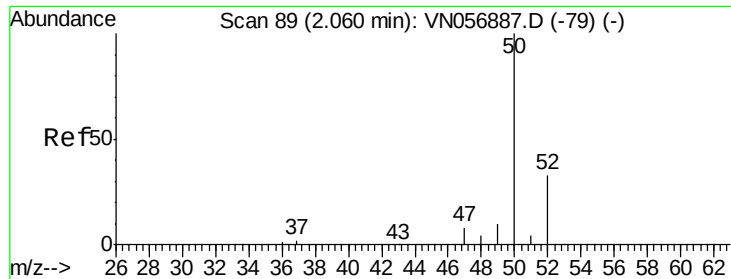
Tgt Ion:128 Resp: 71698
 Ion Ratio Lower Upper
 128 100
 49 145.1 0.0 385.8
 130 131.0 0.0 322.5



#2
 Dichlorodifluoromethane
 Concen: 20.726 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 85 Resp: 88846
 Ion Ratio Lower Upper
 85 100
 87 33.7 15.6 46.8





#3

Chloromethane

Concen: 19.004 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

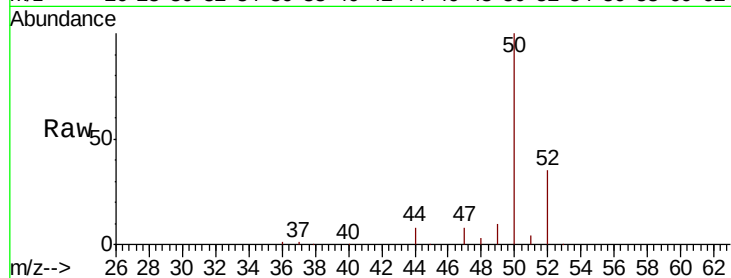
VSTDCCC020

Tgt Ion: 50 Resp: 99409

Ion Ratio Lower Upper

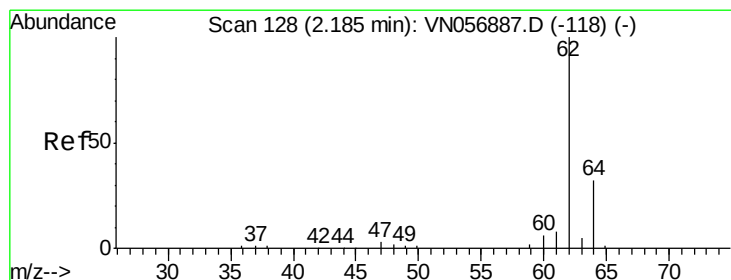
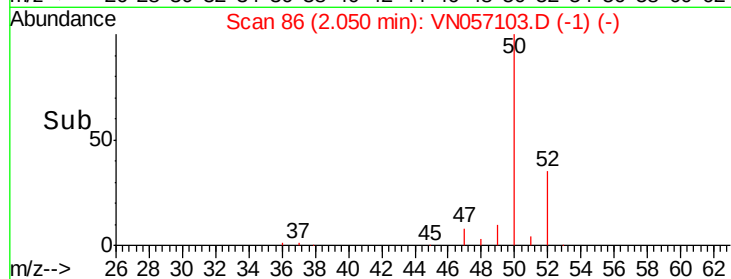
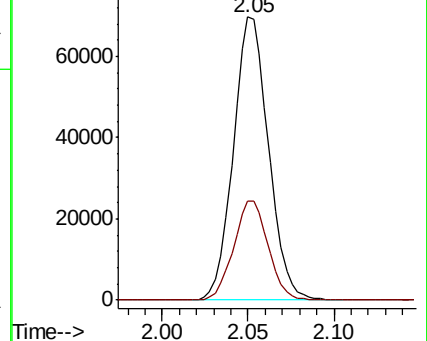
50 100

52 35.0 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.148 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.01 min

Lab File: VN057103.D

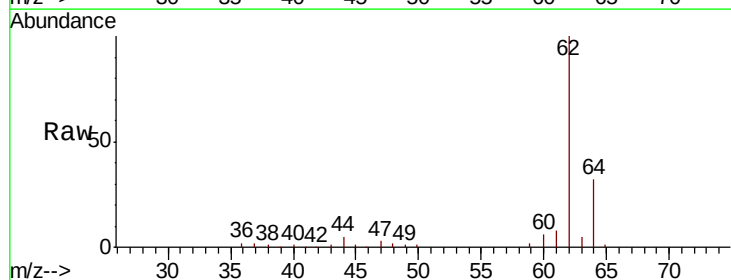
Acq: 6 Aug 2019 15:07

Tgt Ion: 62 Resp: 91525

Ion Ratio Lower Upper

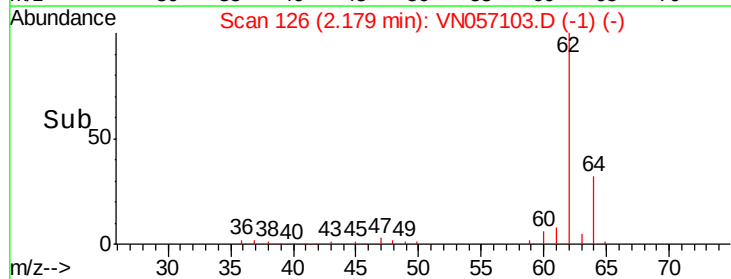
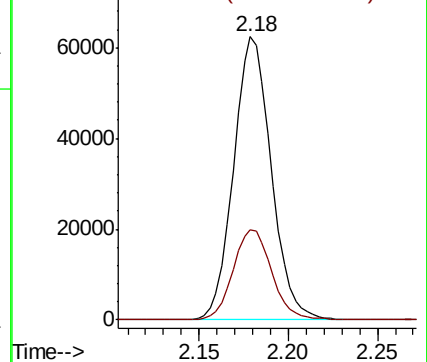
62 100

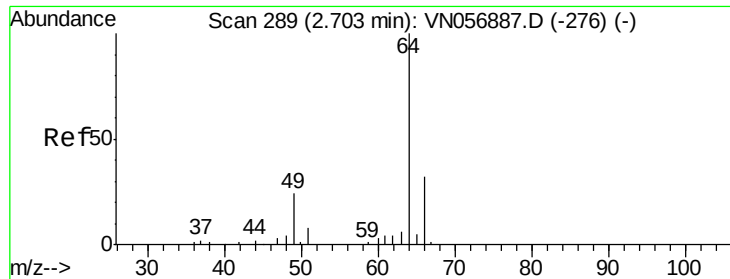
64 31.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#6

Chloroethane

Concen: 17.461 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.04 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

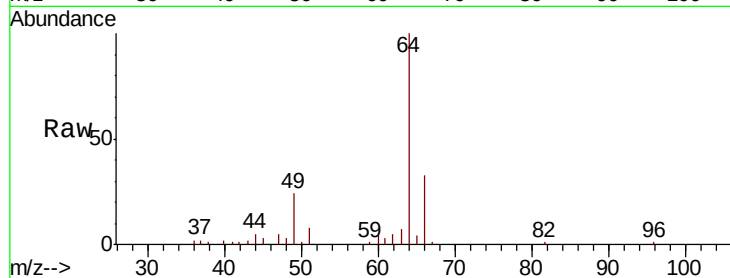
VSTDCCC020

Tgt Ion: 64 Resp: 48847

Ion Ratio Lower Upper

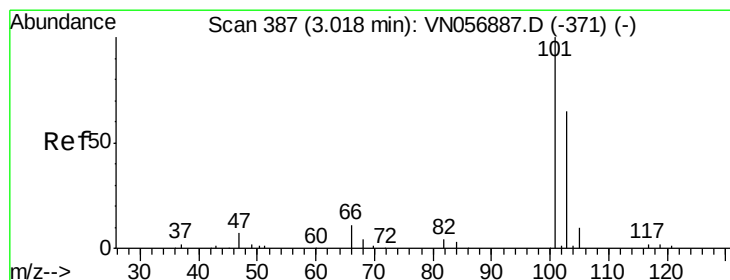
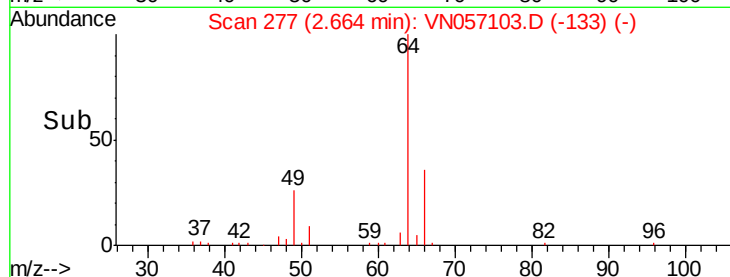
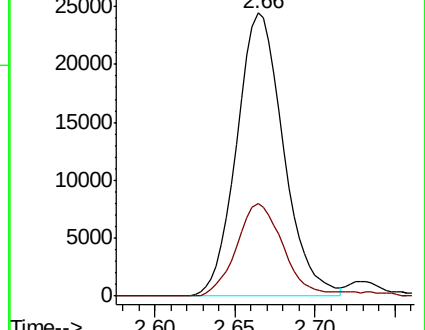
64 100

66 32.8 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN056887.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN056887.D (-276) (-)



#7

Trichlorofluoromethane

Concen: 20.792 ug/l

RT: 2.99 min Scan# 378

Delta R.T. -0.03 min

Lab File: VN057103.D

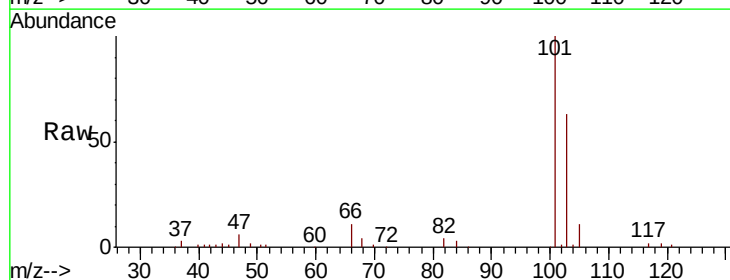
Acq: 6 Aug 2019 15:07

Tgt Ion: 101 Resp: 127702

Ion Ratio Lower Upper

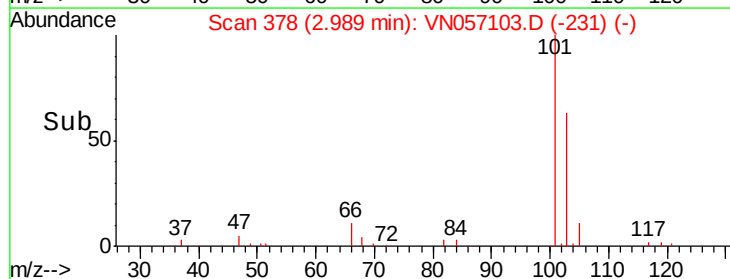
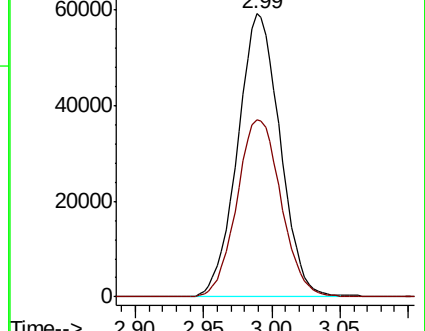
101 100

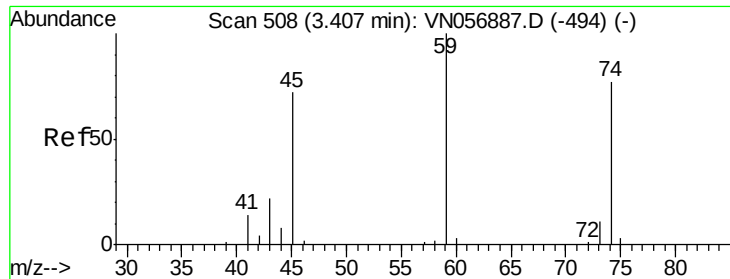
103 62.6 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VN056887.D (-371) (-)

Ion 103.00 (102.70 to 103.70): VN056887.D (-371) (-)





#8

Diethyl Ether

Concen: 20.340 ug/l

RT: 3.40 min Scan# 505

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

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ClientSampleId :

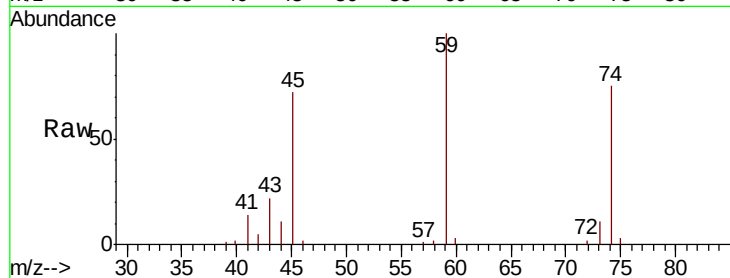
VSTDCCC020

Tgt Ion: 74 Resp: 46548

Ion Ratio Lower Upper

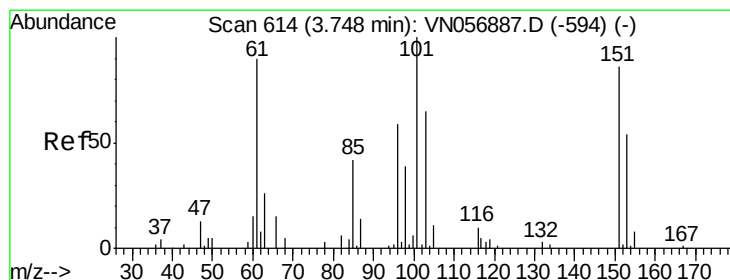
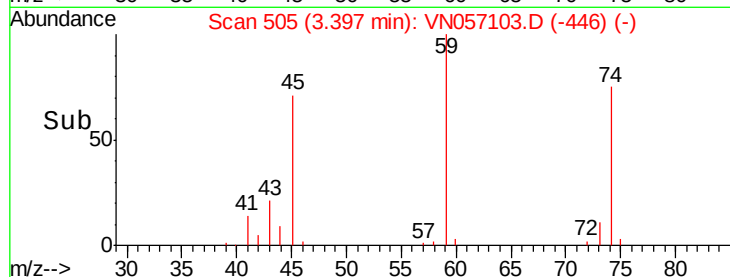
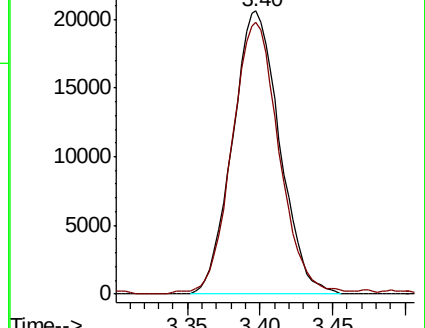
74 100

45 94.8 19.5 175.7



Abundance Ion 74.00 (73.70 to 74.70): VN056887.D (-494) (-)

Ion 45.00 (44.70 to 45.70): VN056887.D (-494) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.519 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

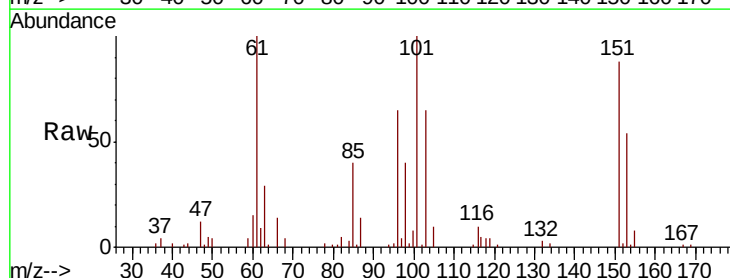
Tgt Ion: 101 Resp: 75287

Ion Ratio Lower Upper

101 100

85 40.9 0.0 85.0

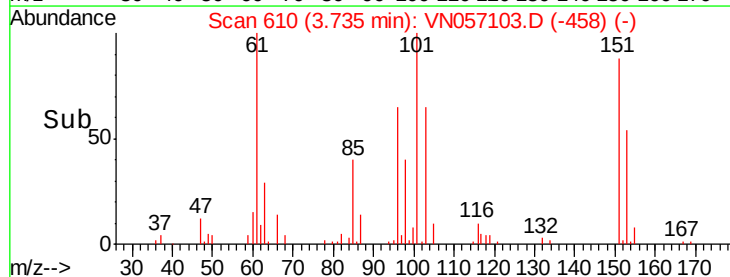
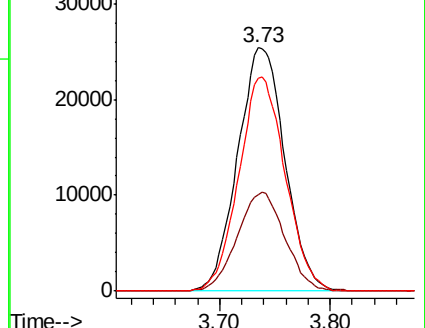
151 86.7 0.0 167.2

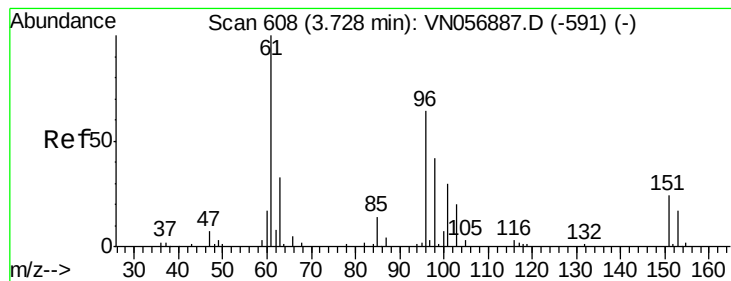


Abundance Ion 101.00 (100.70 to 101.70): VN056887.D (-594) (-)

Ion 85.00 (84.70 to 85.70): VN056887.D (-594) (-)

Ion 151.00 (150.70 to 151.70): VN056887.D (-594) (-)





#10

1,1-Dichloroethene

Concen: 19.419 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

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ClientSampleId :

VSTDCCC020

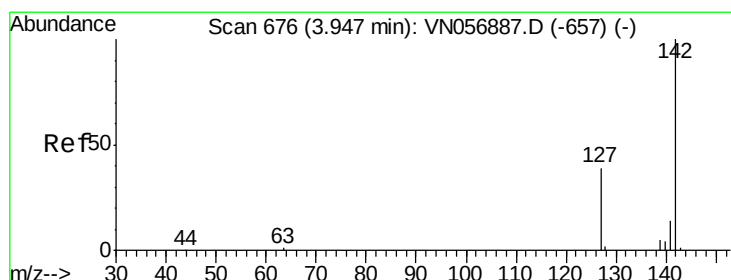
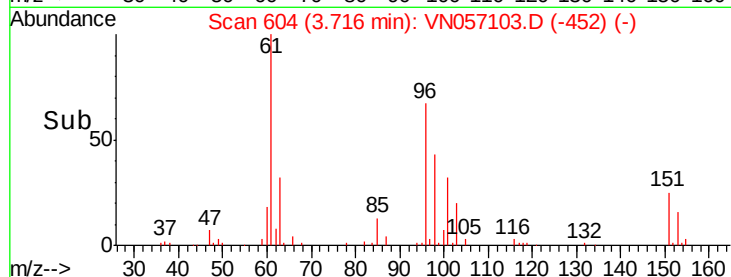
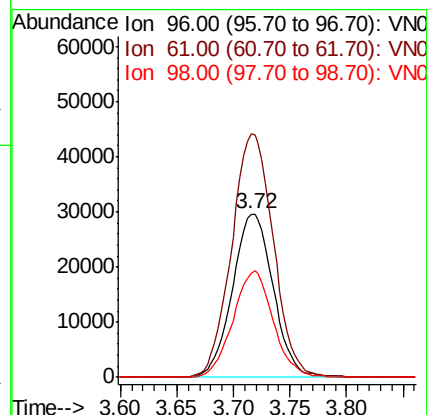
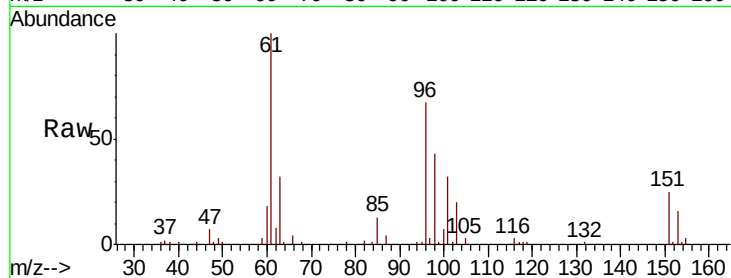
Tgt Ion: 96 Resp: 74330

Ion Ratio Lower Upper

96 100

61 148.3 125.8 188.8

98 63.7 52.7 79.1



#11

Methyl Iodide

Concen: 17.040 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

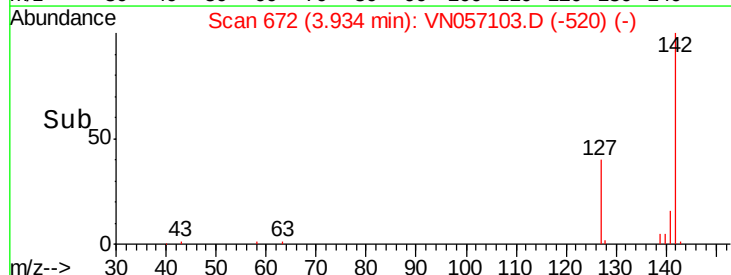
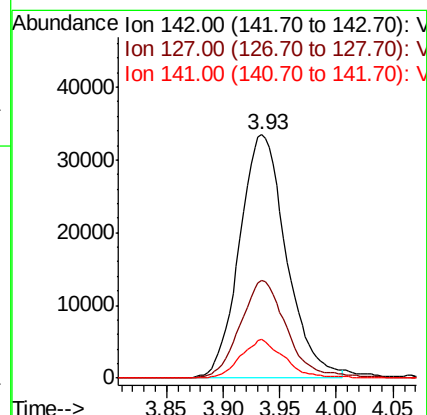
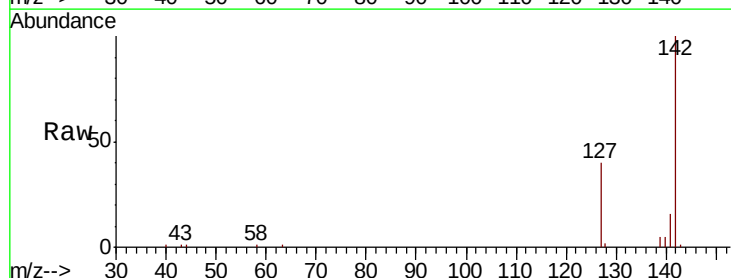
Tgt Ion: 142 Resp: 96497

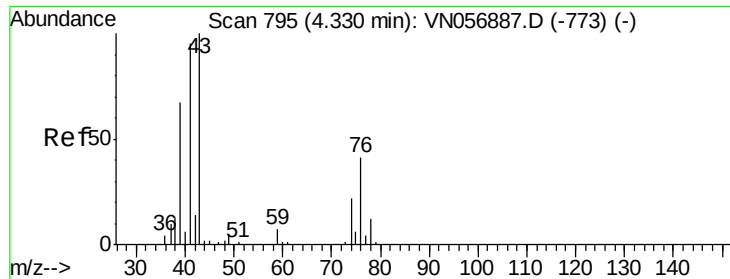
Ion Ratio Lower Upper

142 100

127 39.6 19.6 58.8

141 15.9 7.2 21.6





#12

Methyl Acetate

Concen: 17.885 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

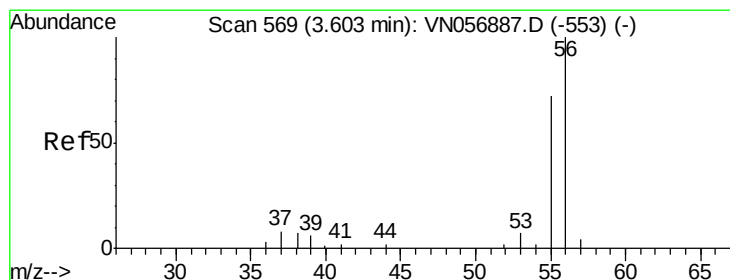
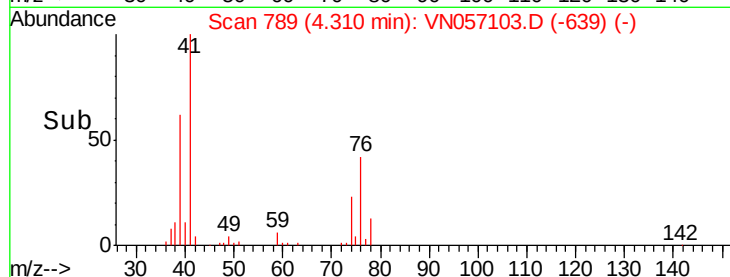
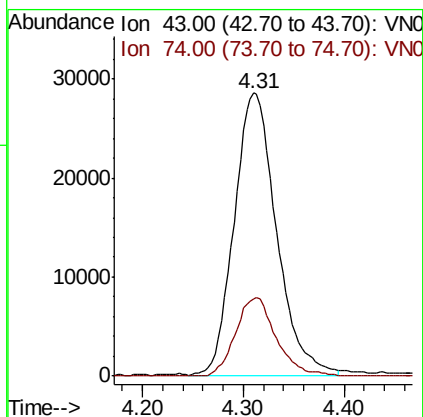
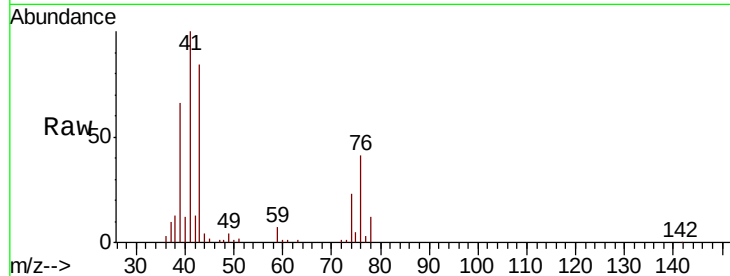
VSTDCCC020

Tgt Ion: 43 Resp: 83780

Ion Ratio Lower Upper

43 100

74 27.4 18.1 27.1#



#13

Acrolein

Concen: 103.676 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057103.D

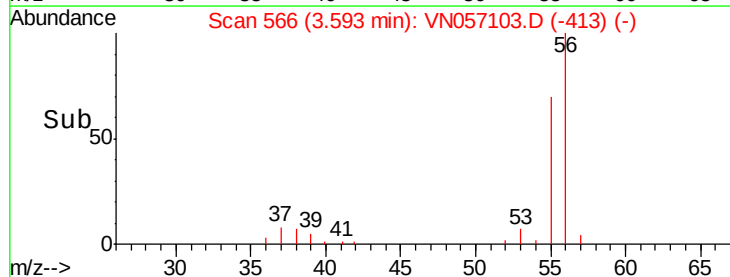
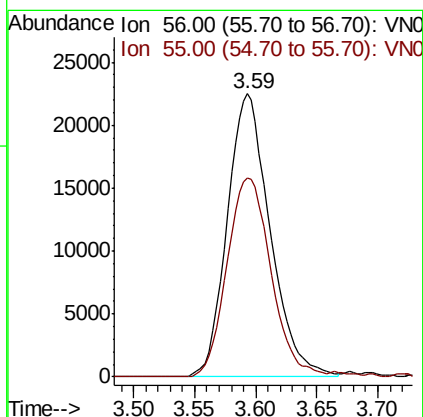
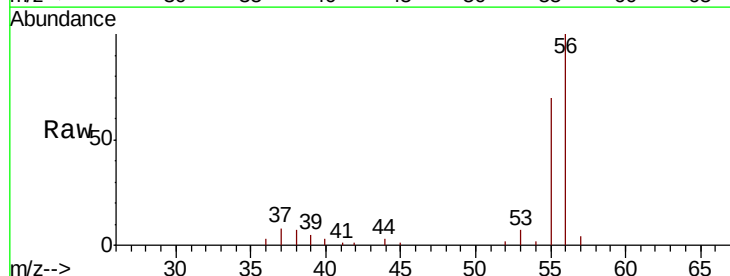
Acq: 6 Aug 2019 15:07

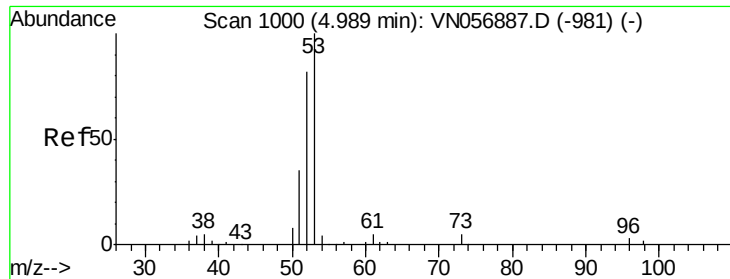
Tgt Ion: 56 Resp: 54965

Ion Ratio Lower Upper

56 100

55 71.9 58.5 87.7

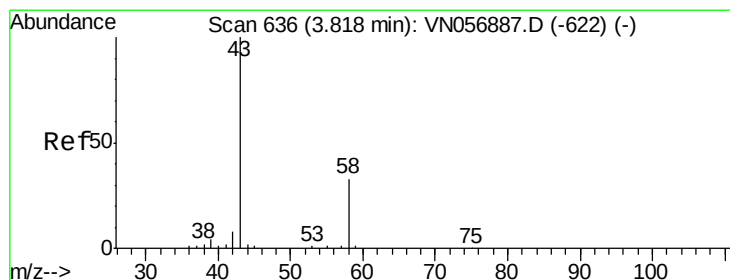
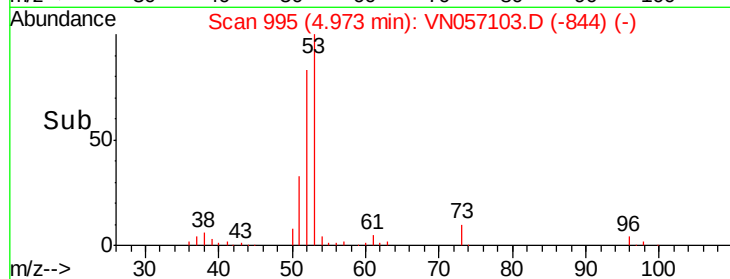
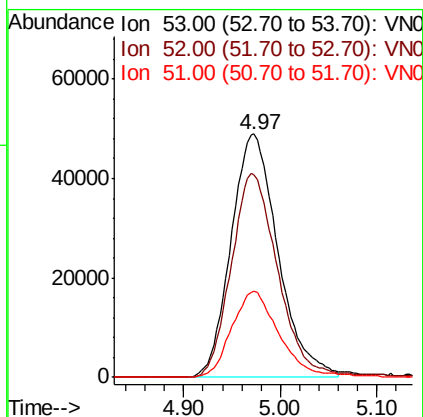
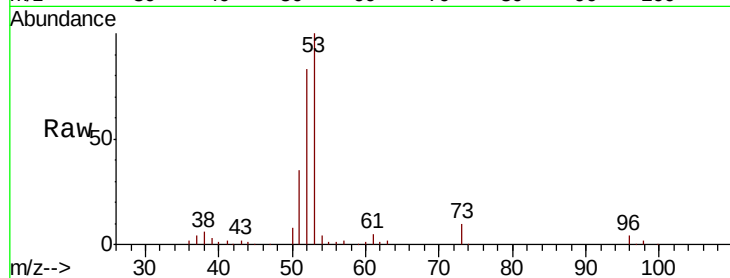




#14
 Acrylonitrile
 Concen: 91.543 ug/l
 RT: 4.97 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

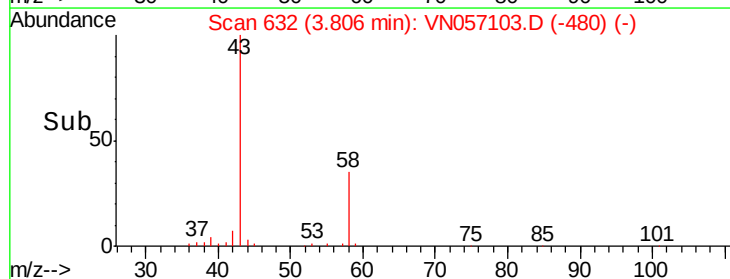
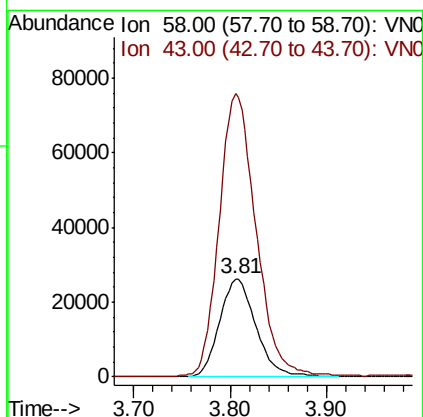
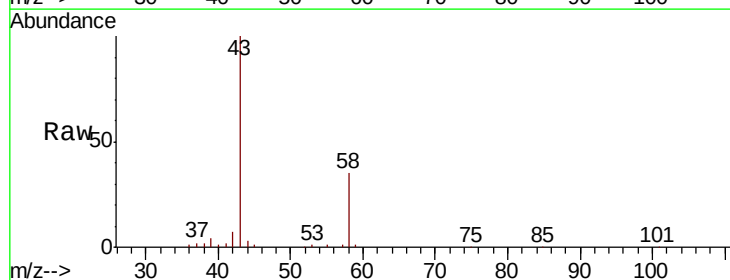
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

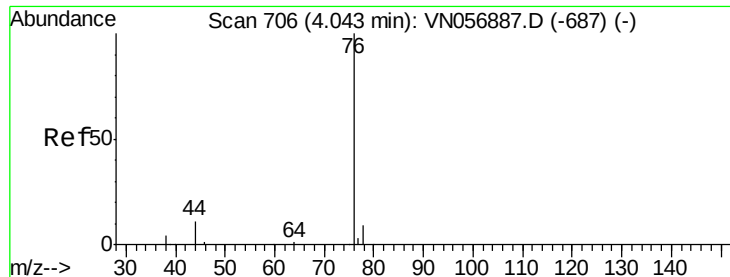
Tgt Ion: 53 Resp: 165382
 Ion Ratio Lower Upper
 53 100
 52 83.0 40.8 122.5
 51 35.0 17.4 52.2



#15
 Acetone
 Concen: 147.112 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 58 Resp: 68711
 Ion Ratio Lower Upper
 58 100
 43 286.3 242.4 363.6

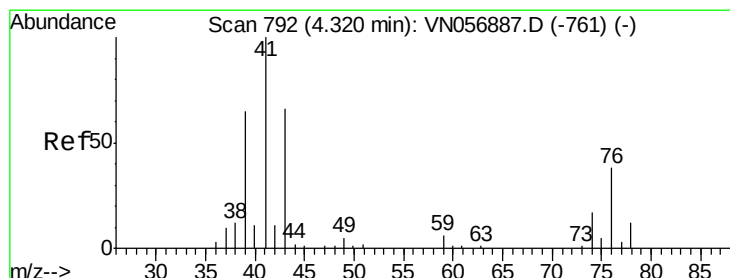
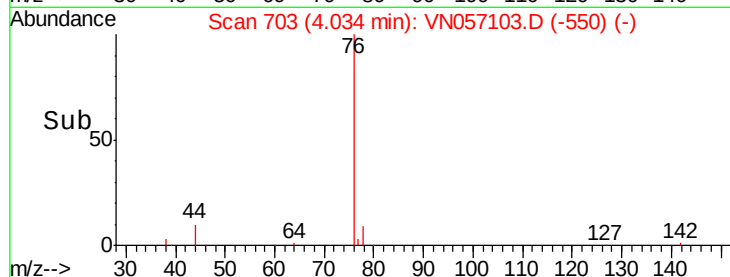
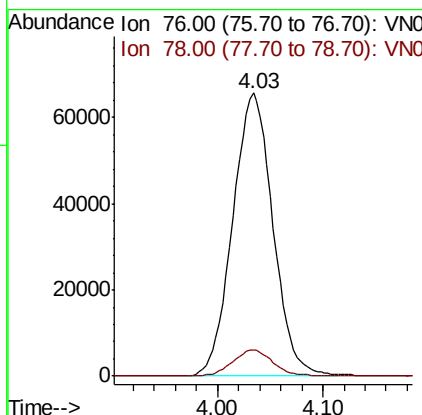
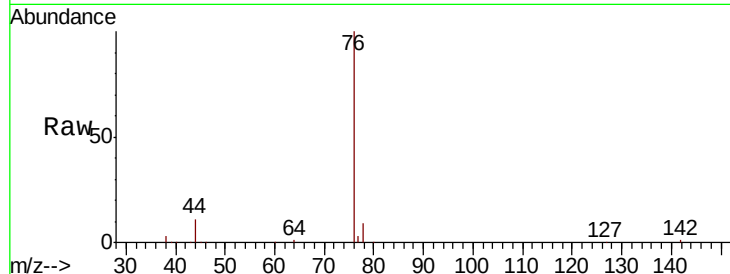




#16
Carbon Disulfide
Concen: 16.856 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

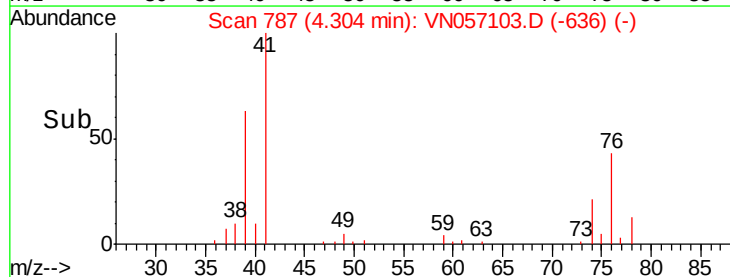
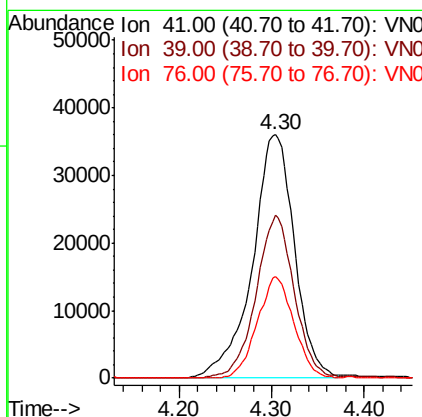
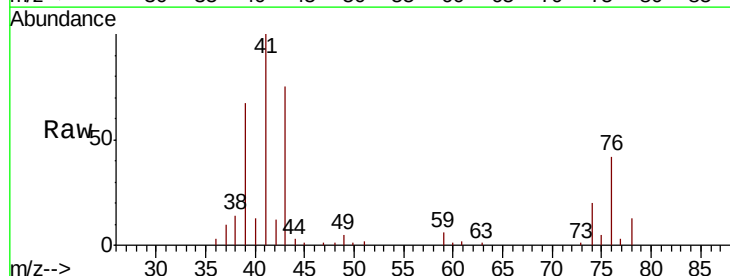
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

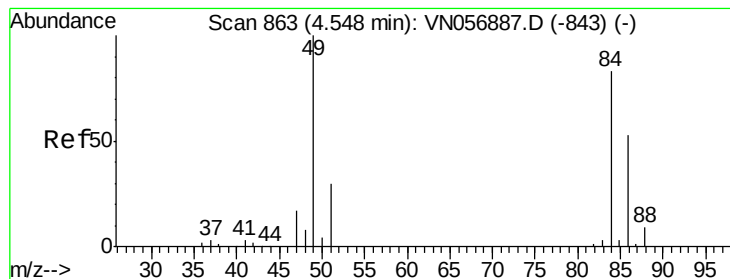
Tgt Ion: 76 Resp: 173971
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#17
Allyl chloride
Concen: 17.741 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 41 Resp: 113638
Ion Ratio Lower Upper
41 100
39 66.8 32.4 97.0
76 41.7 19.0 57.0





#18

Methylene Chloride

Concen: 19.960 ug/l

RT: 4.53 min Scan# 858

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 84 Resp: 88922

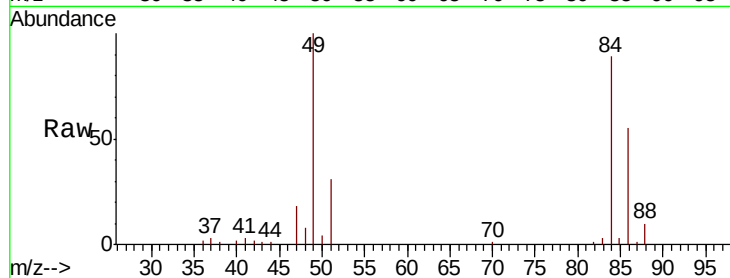
Ion Ratio Lower Upper

84 100

49 111.5 96.3 144.5

51 35.0 28.8 43.2

86 61.5 50.9 76.3

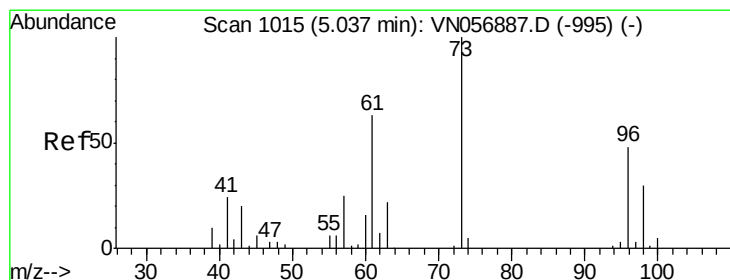
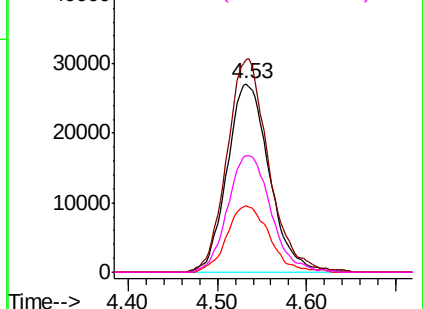
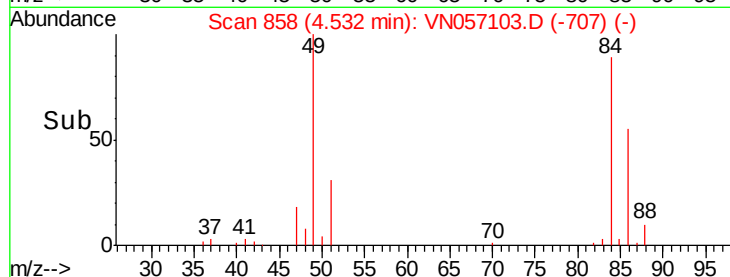


Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#19

trans-1,2-Dichloroethene

Concen: 19.009 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

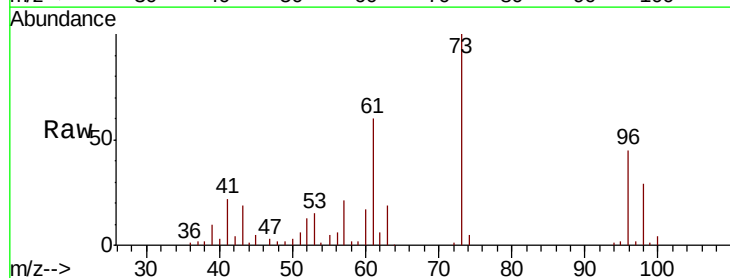
Tgt Ion: 96 Resp: 77004

Ion Ratio Lower Upper

96 100

61 134.1 105.4 158.0

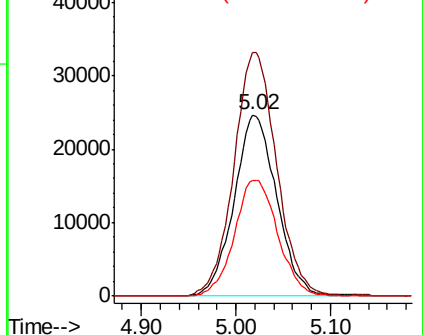
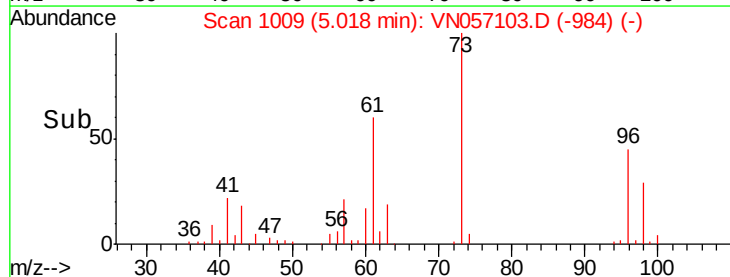
98 64.0 50.8 76.2

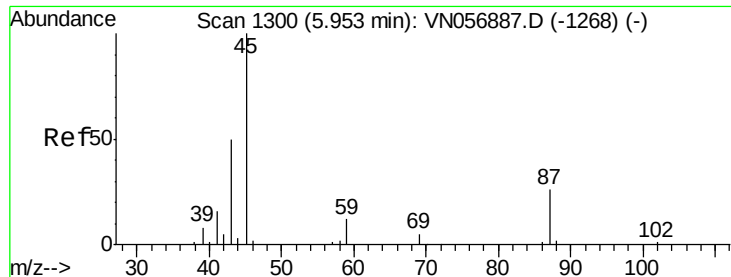


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

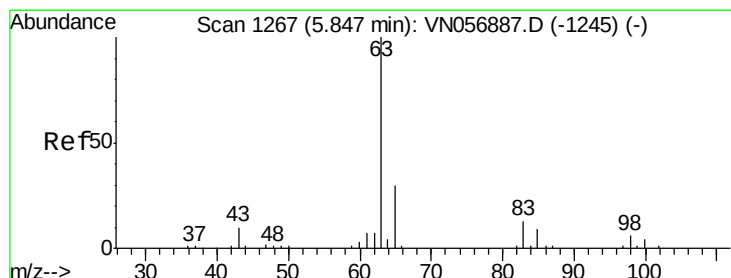
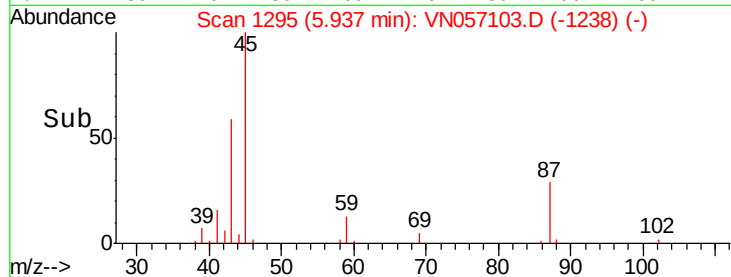
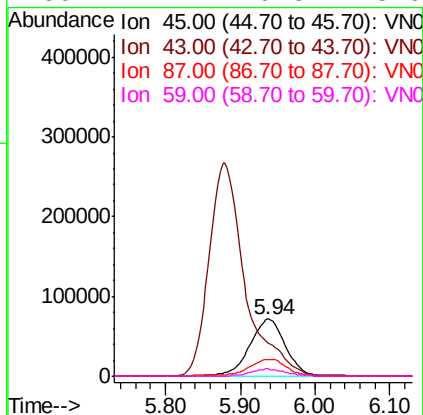
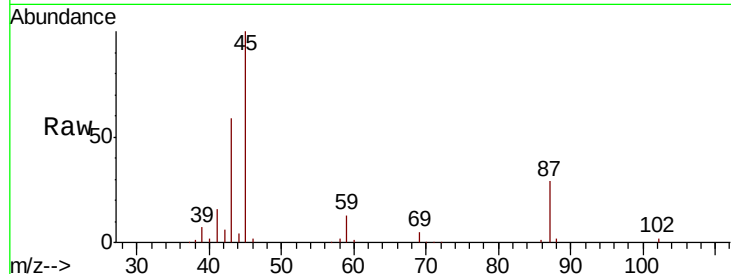




#20
Diisopropyl ether
Concen: 18.376 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

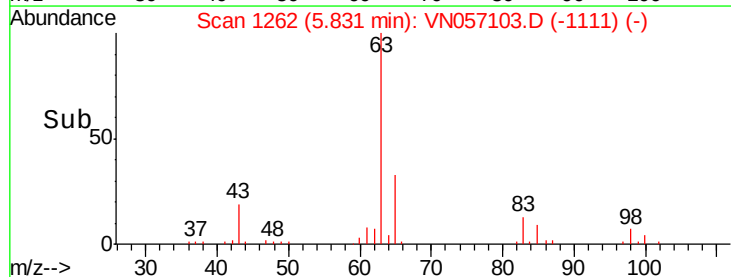
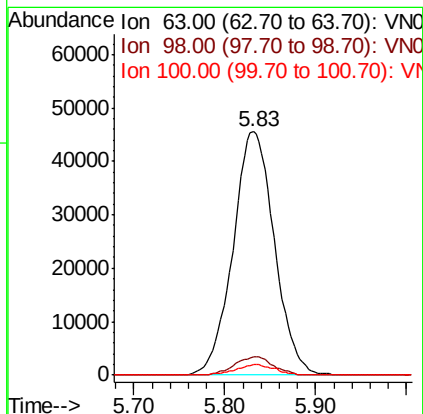
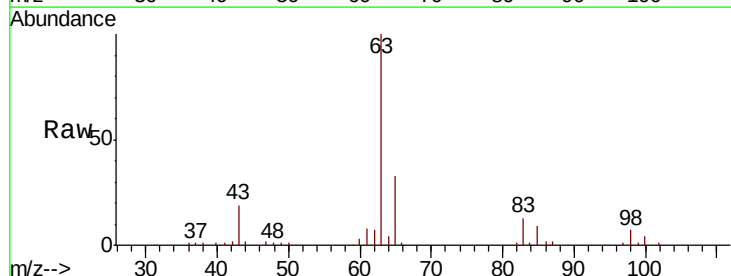
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

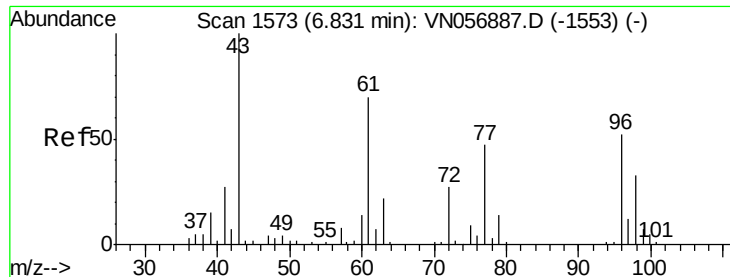
Tgt Ion:	45	Resp:	238972
Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.4	71.0
87	28.5	21.7	32.5
59	12.2	9.3	13.9



#21
1,1-Dichloroethane
Concen: 19.033 ug/l
RT: 5.83 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:	63	Resp:	143847
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.1	9.3
100	4.3	1.8	5.5





#22

cis-1,2-Dichloroethene

Concen: 18.886 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

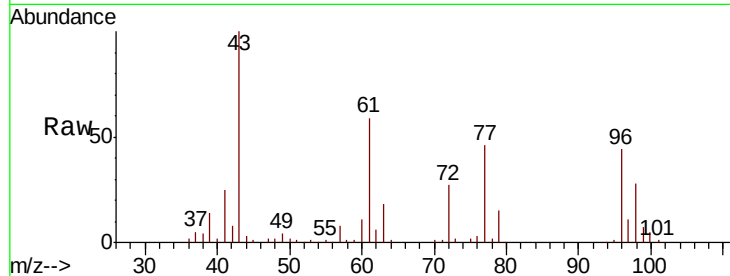
Tgt Ion: 96 Resp: 88667

Ion Ratio Lower Upper

96 100

61 140.7 111.6 167.4

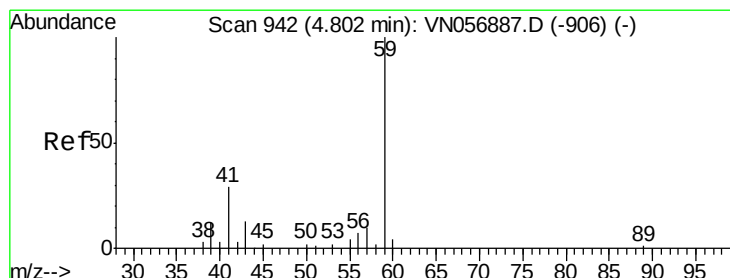
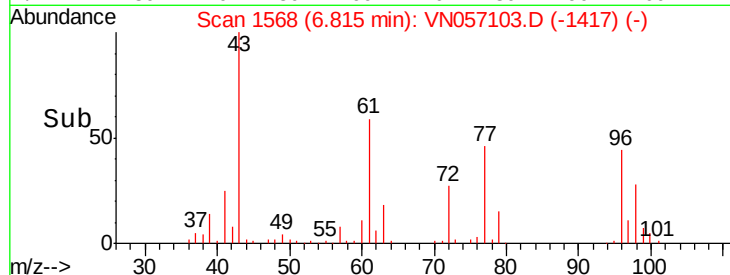
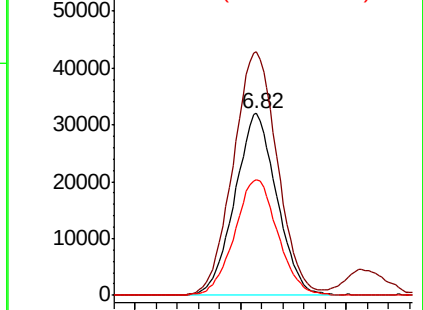
98 65.2 51.0 76.4



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: 89.530 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.02 min

Lab File: VN057103.D

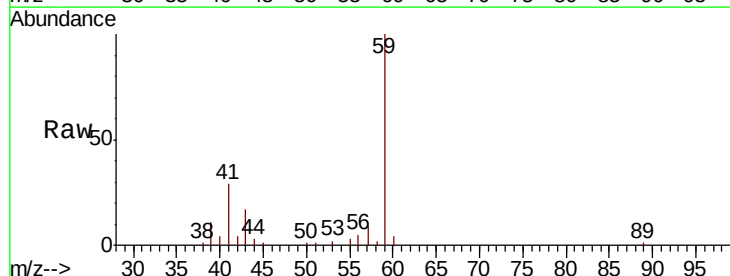
Acq: 6 Aug 2019 15:07

Tgt Ion: 59 Resp: 53977

Ion Ratio Lower Upper

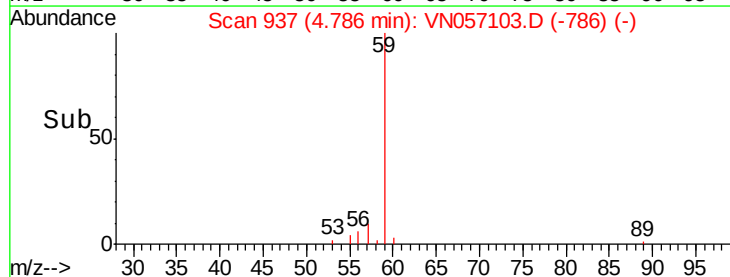
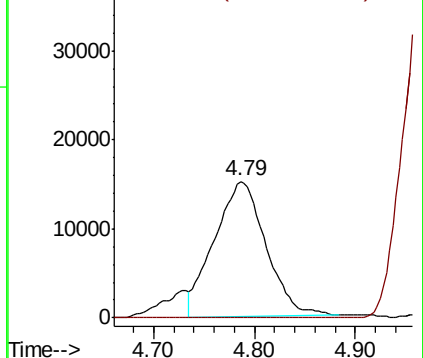
59 100

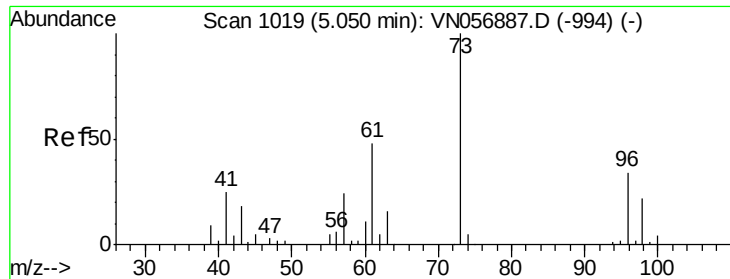
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

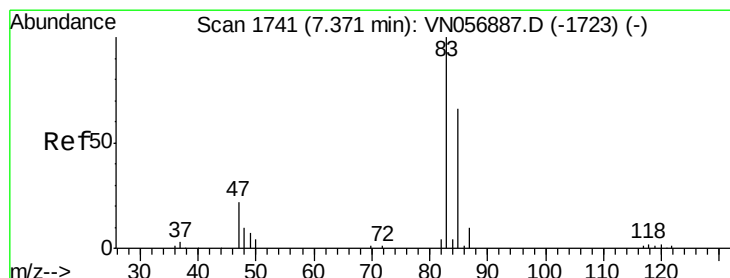
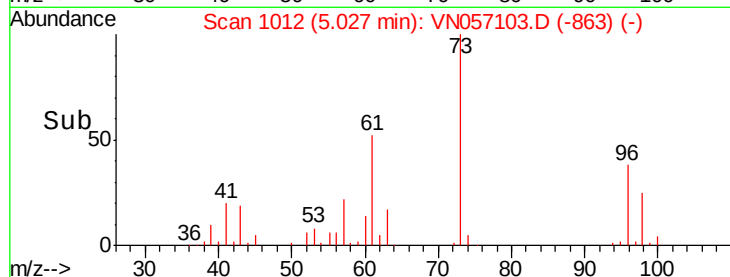
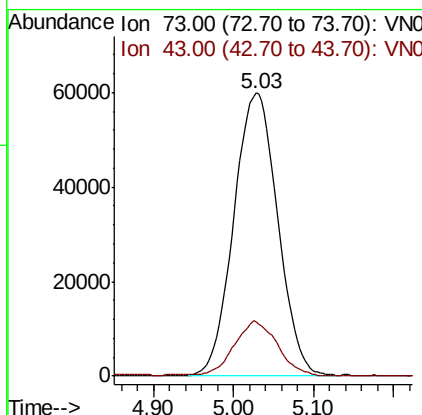
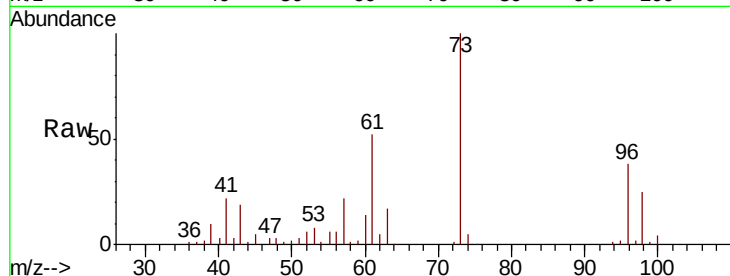




#24
Methyl tert-Butyl Ether
Concen: 19.402 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

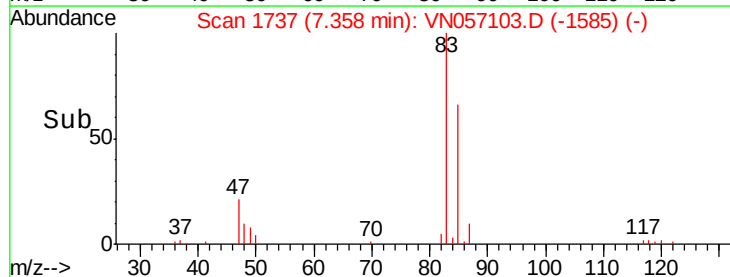
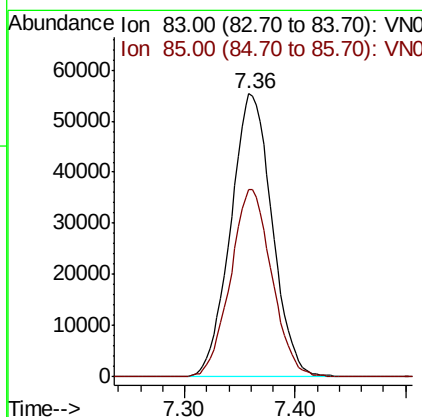
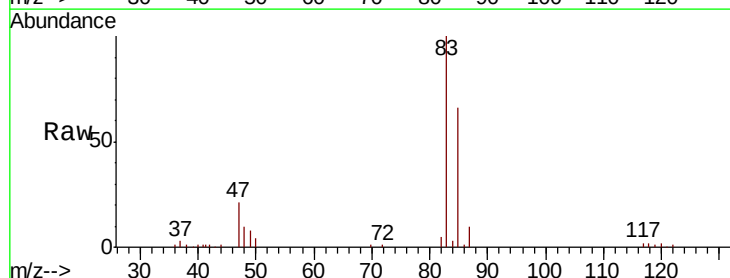
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

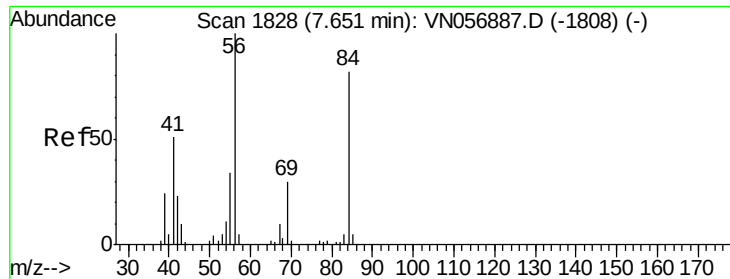
Tgt Ion: 73 Resp: 224531
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.0



#25
Chloroform
Concen: 19.511 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 83 Resp: 143855
Ion Ratio Lower Upper
83 100
85 66.0 53.1 79.7

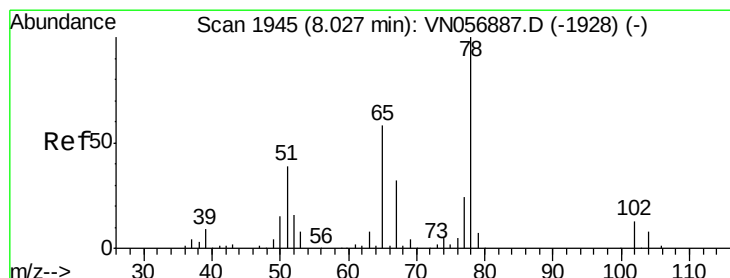
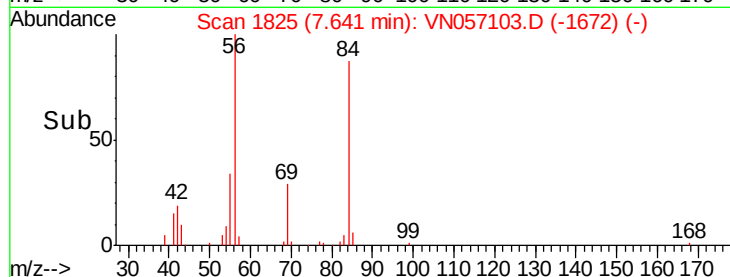
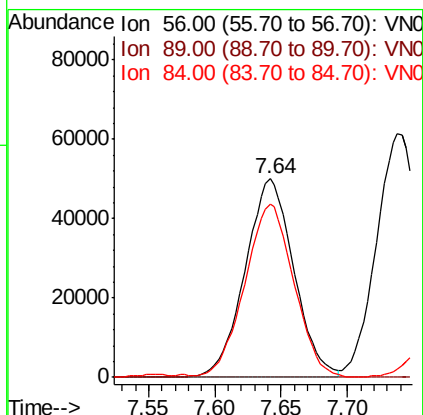
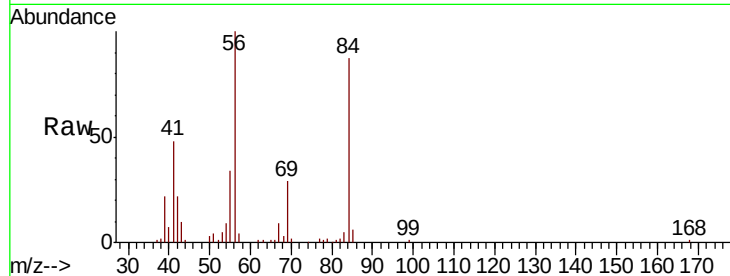




#26
Cyclohexane
Concen: 18.435 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

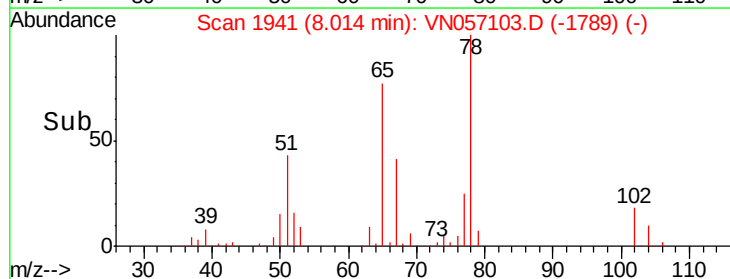
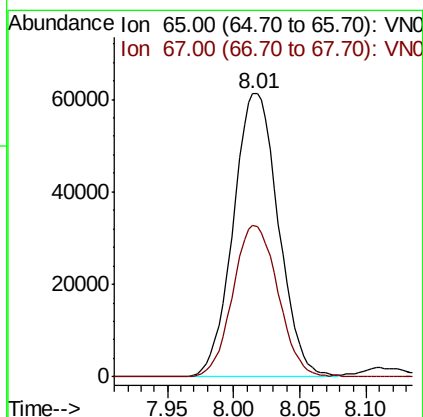
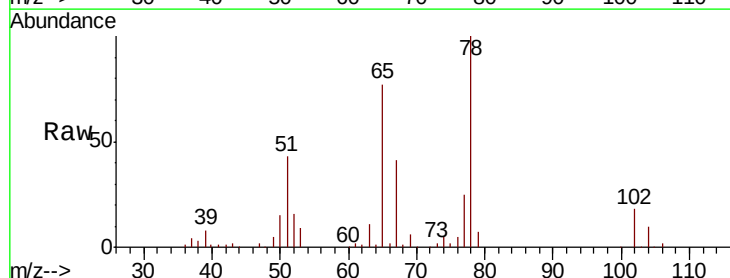
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

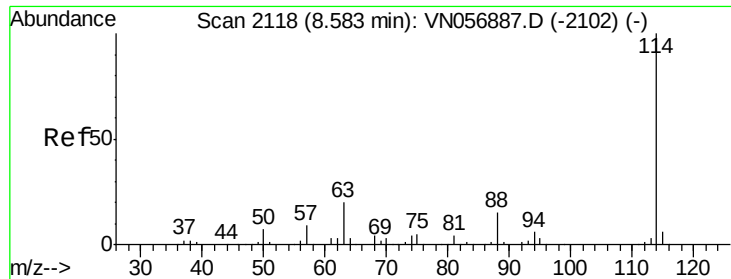
Tgt Ion: 56 Resp: 127992
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.2 67.8 101.6



#27
1,2-Dichloroethane-d4
Concen: 31.004 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 65 Resp: 145478
Ion Ratio Lower Upper
65 100
67 53.2 44.6 66.8

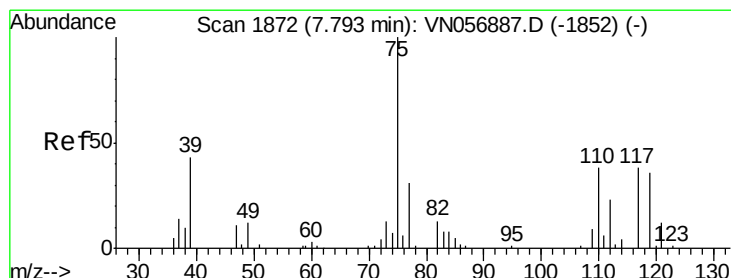
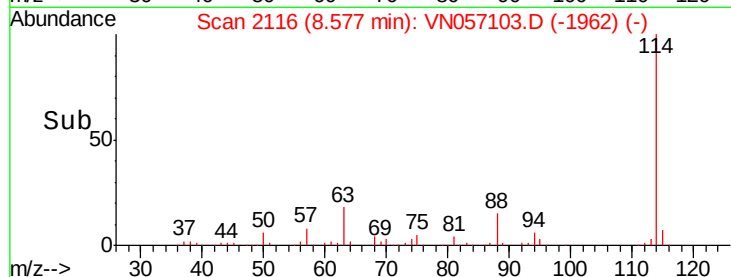
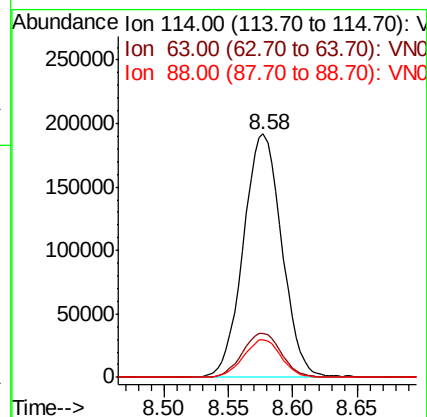
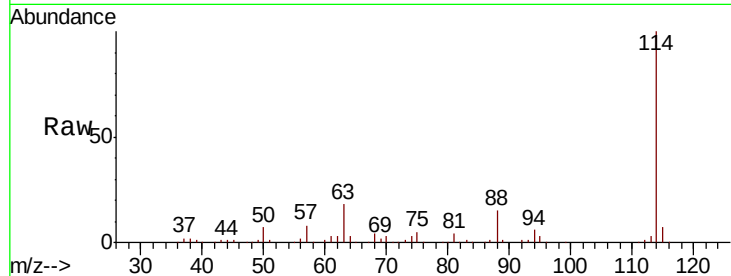




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

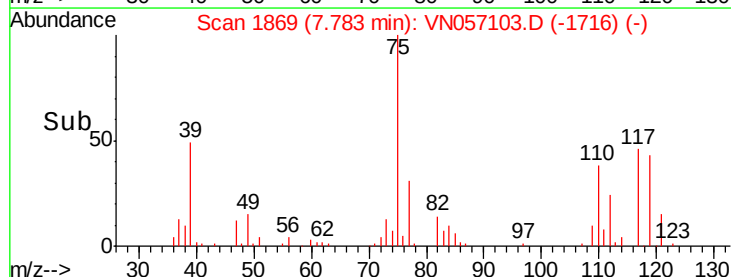
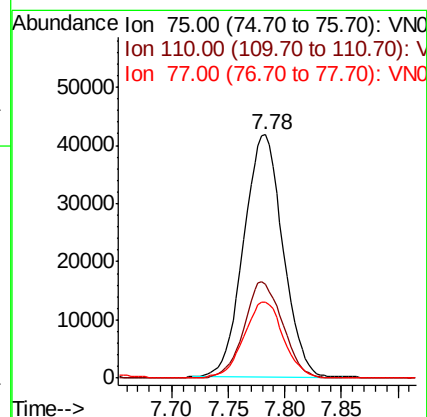
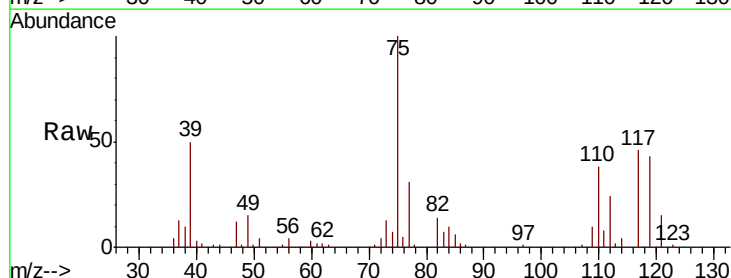
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

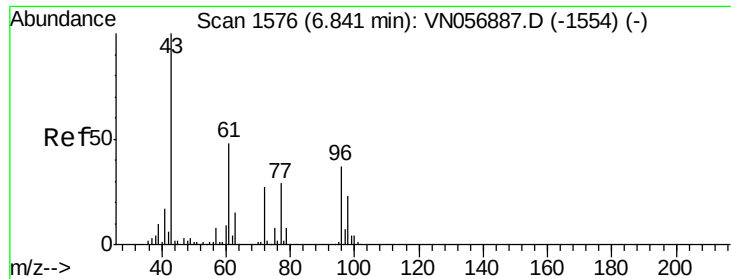
Tgt Ion: 114 Resp: 398652
 Ion Ratio Lower Upper
 114 100
 63 18.5 15.8 23.6
 88 15.3 12.5 18.7



#29
 1,1-Dichloropropene
 Concen: 17.844 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 75 Resp: 100950
 Ion Ratio Lower Upper
 75 100
 110 38.8 0.0 75.8
 77 31.3 0.0 64.0

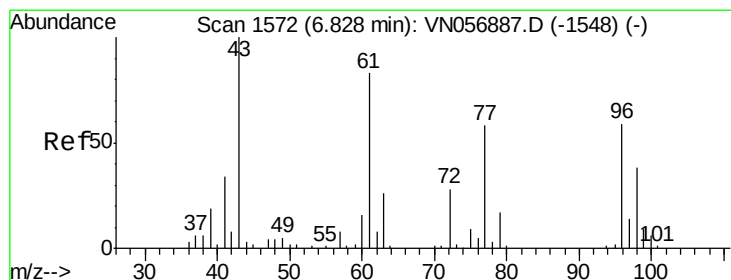
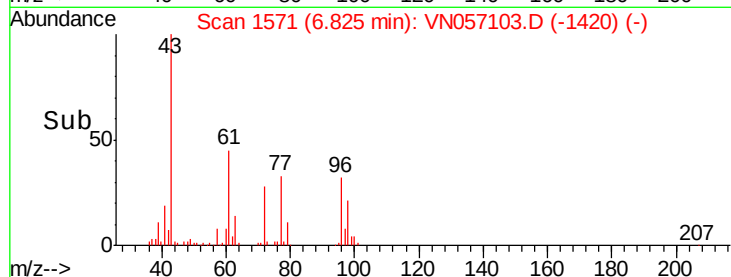
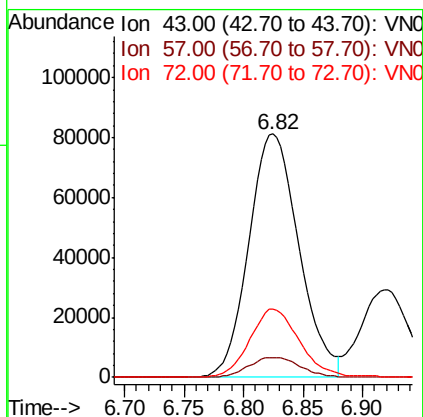
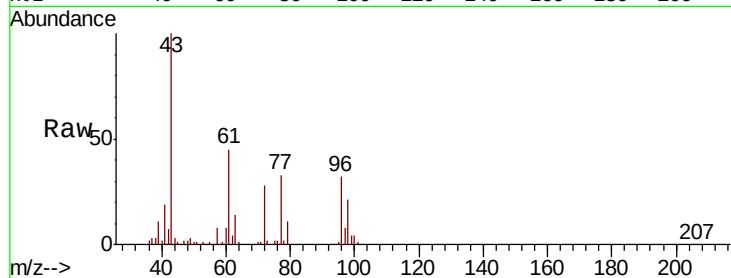




#30
 2-Butanone
 Concen: 104.275 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

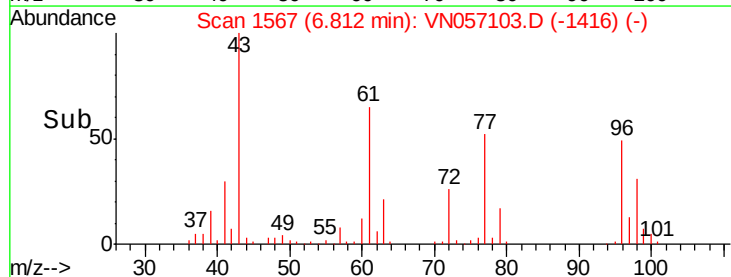
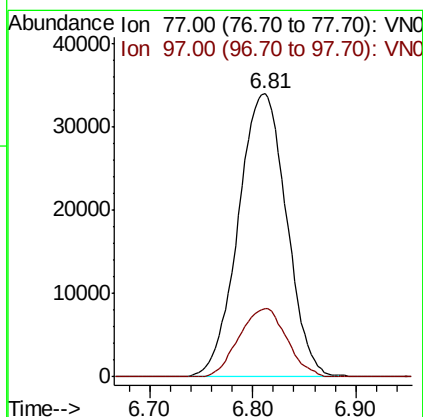
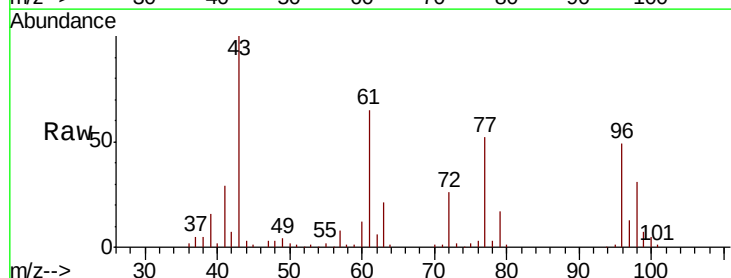
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

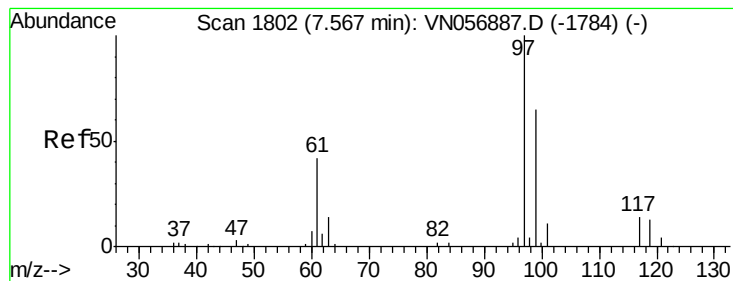
Tgt Ion: 43 Resp: 237003
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.5 9.7
 72 27.8 22.1 33.1



#31
 2,2-Dichloropropane
 Concen: 20.979 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 77 Resp: 110139
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.3 28.9





#32

1,1,1-Trichloroethane

Concen: 19.283 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

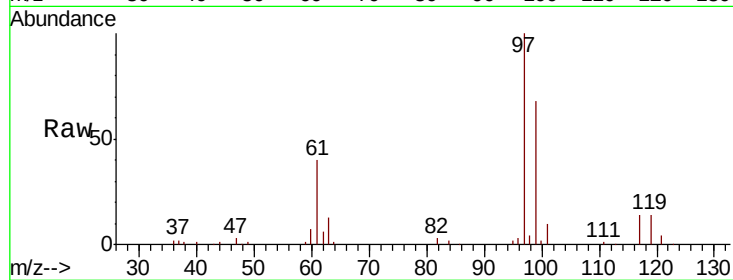
Tgt Ion: 97 Resp: 119865

Ion Ratio Lower Upper

97 100

99 64.1 52.3 78.5

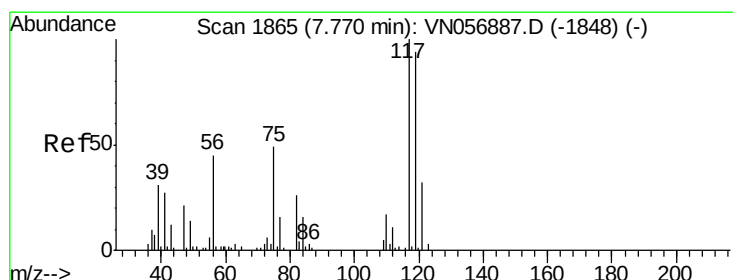
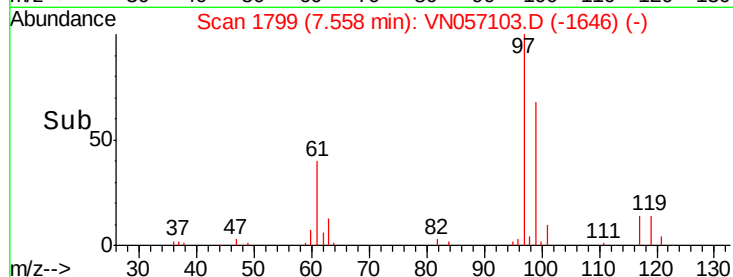
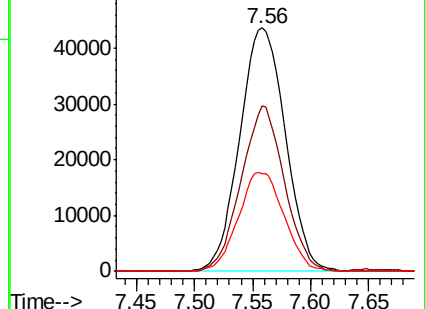
61 40.6 34.4 51.6



Abundance Ion 97.00 (96.70 to 97.70): VN056887.D (-1784) (-)

Ion 99.00 (98.70 to 99.70): VN056887.D (-1784) (-)

Ion 61.00 (60.70 to 61.70): VN056887.D (-1784) (-)



#33

Carbon Tetrachloride

Concen: 19.088 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

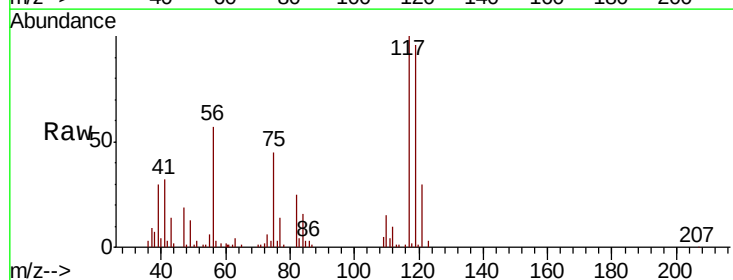
Tgt Ion: 117 Resp: 103557

Ion Ratio Lower Upper

117 100

119 95.9 75.1 112.7

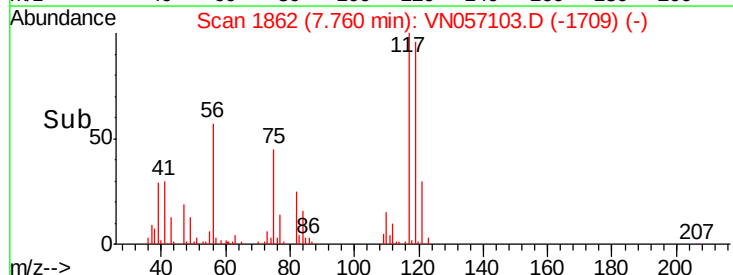
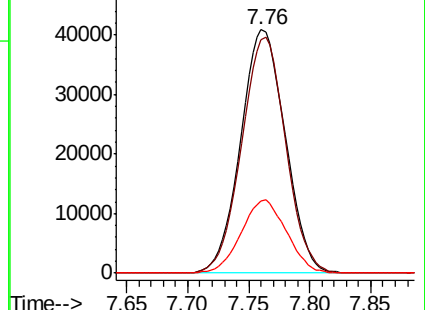
121 29.6 25.8 38.8

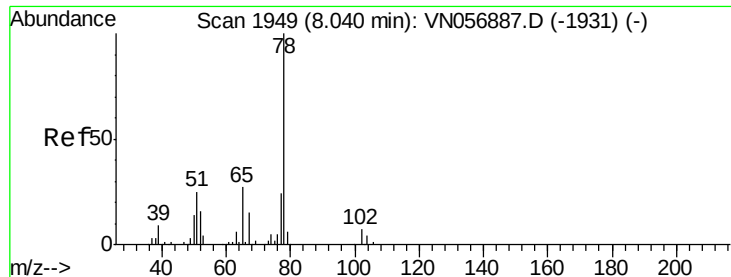


Abundance Ion 117.00 (116.70 to 117.70): VN056887.D (-1848) (-)

Ion 119.00 (118.70 to 119.70): VN056887.D (-1848) (-)

Ion 121.00 (120.70 to 121.70): VN056887.D (-1848) (-)





#34

Benzene

Concen: 18.488 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

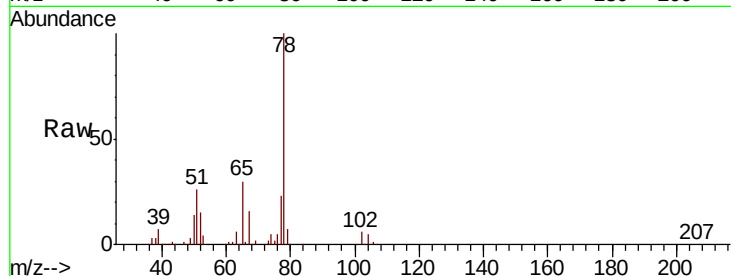
Tgt Ion: 78 Resp: 329545

Ion Ratio Lower Upper

78 100

77 22.9 19.4 29.2

51 25.6 20.4 30.6



Abundance Ion 78.10 (77.80 to 78.80): VN056887.D (-1931) (-)

Ion 77.00 (76.70 to 77.70): VN056887.D (-1931) (-)

Ion 51.00 (50.70 to 51.70): VN056887.D (-1931) (-)

8.03

150000

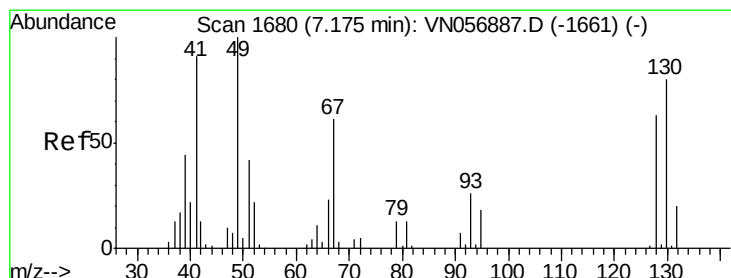
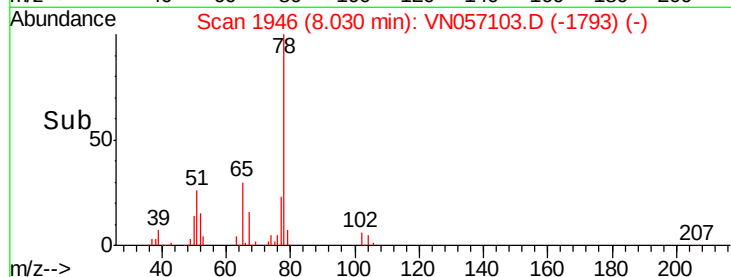
100000

50000

0

8.00 8.10

Time-->



#35

Methacrylonitrile

Concen: 15.377 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion: 41 Resp: 34903

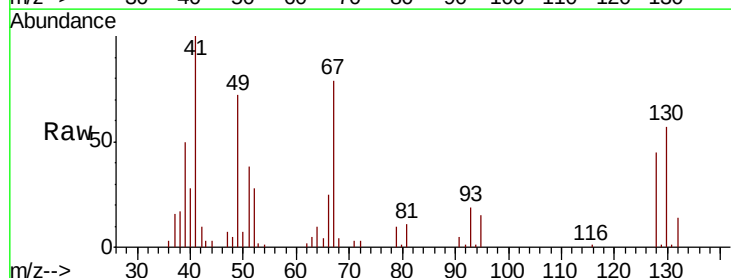
Ion Ratio Lower Upper

41 100

39 49.5 24.4 73.2

67 78.9 33.4 100.1

52 27.7 12.1 36.3



Abundance Ion 41.00 (40.70 to 41.70): VN056887.D (-1661) (-)

Ion 39.00 (38.70 to 39.70): VN056887.D (-1661) (-)

Ion 67.00 (66.70 to 67.70): VN056887.D (-1661) (-)

Ion 52.00 (51.70 to 52.70): VN056887.D (-1661) (-)

7.16

40000

30000

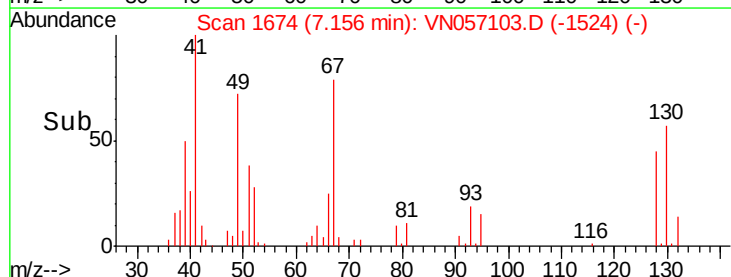
20000

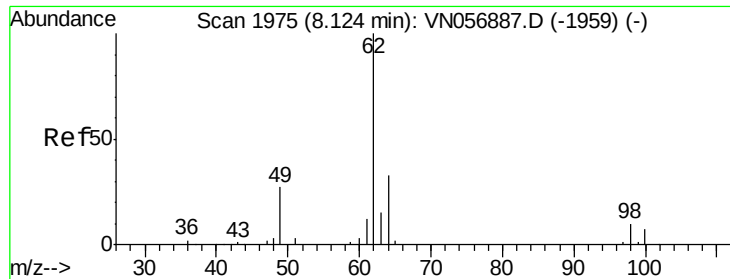
10000

0

7.10 7.15

Time-->

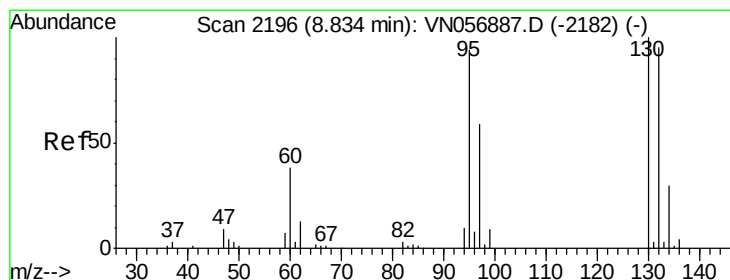
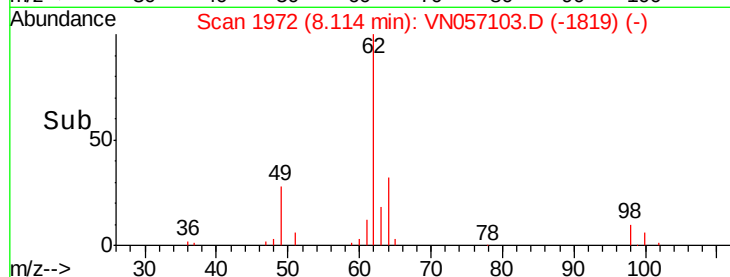
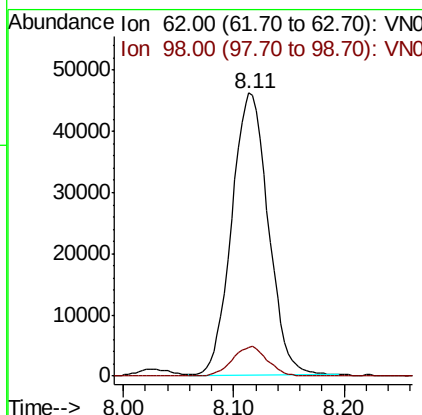
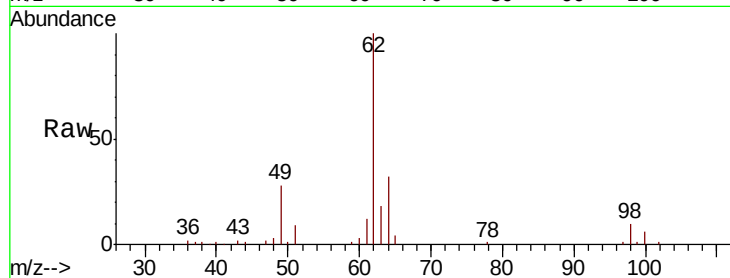




#36
 1,2-Dichloroethane
 Concen: 19.137 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

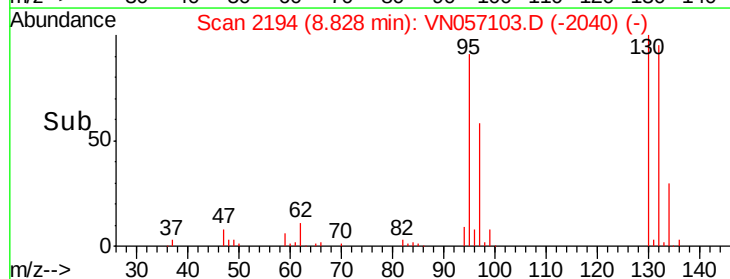
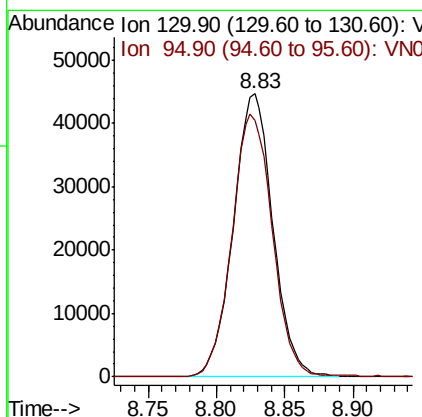
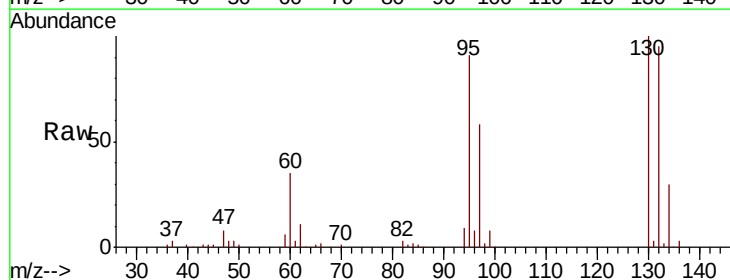
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

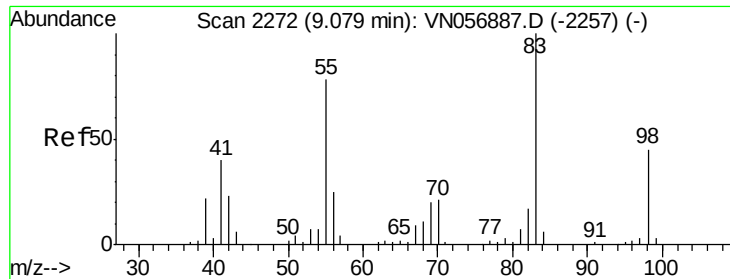
Tgt Ion: 62 Resp: 106049
 Ion Ratio Lower Upper
 62 100
 98 10.0 7.7 11.5



#37
 Trichloroethene
 Concen: 18.815 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 130 Resp: 89916
 Ion Ratio Lower Upper
 130 100
 95 90.4 74.9 112.3

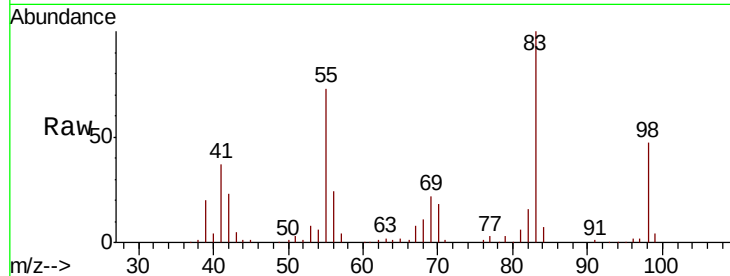




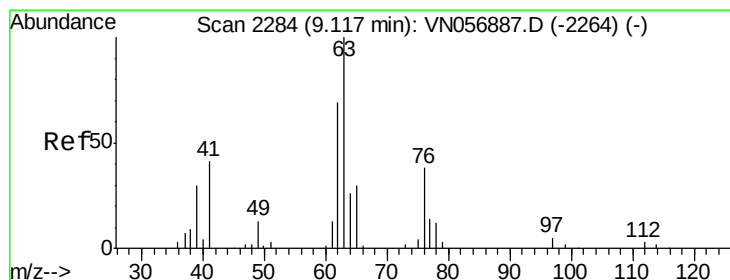
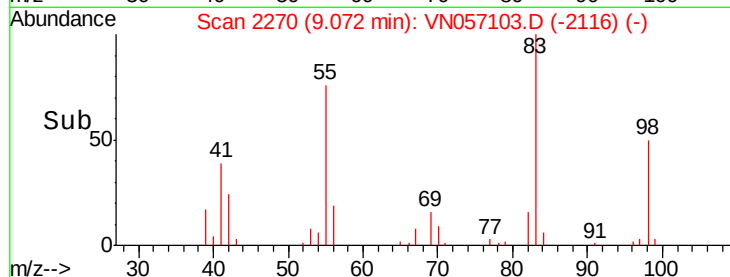
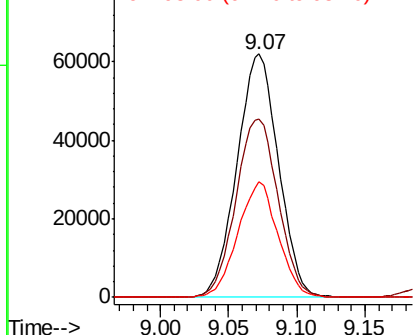
#38
Methylcyclohexane
Concen: 18.210 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 131044
Ion Ratio Lower Upper
83 100
55 74.6 38.4 115.1
98 45.9 22.7 68.0

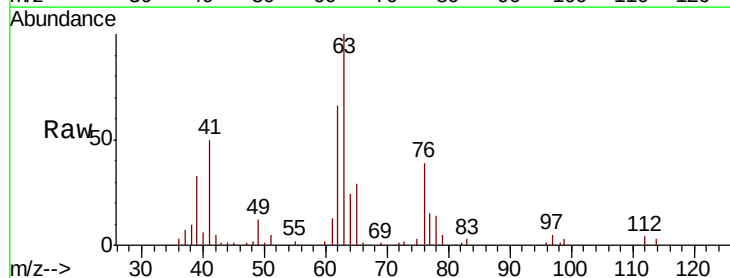


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

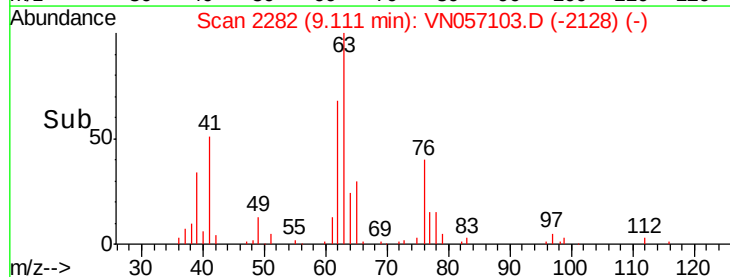
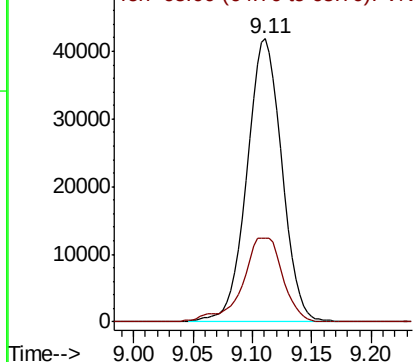


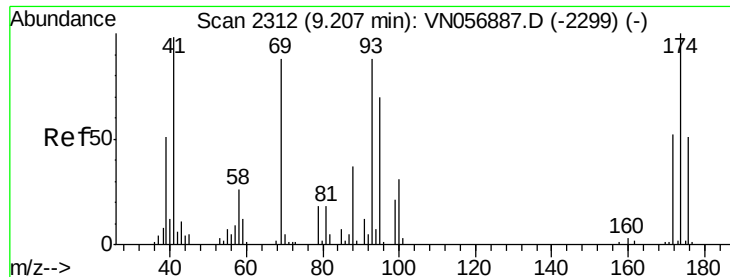
#39
1,2-Dichloropropane
Concen: 17.902 ug/l
RT: 9.11 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 63 Resp: 85177
Ion Ratio Lower Upper
63 100
65 29.5 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0





#40

Dibromomethane

Concen: 19.124 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

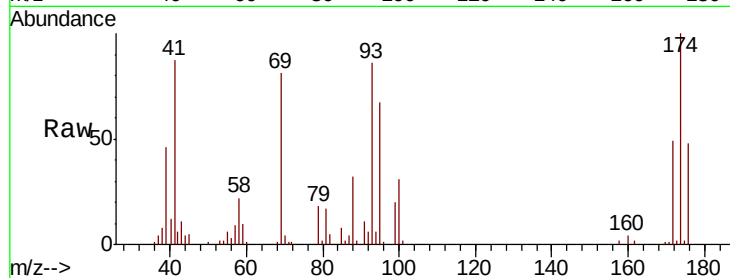
Tgt Ion: 93 Resp: 55821

Ion Ratio Lower Upper

93 100

95 80.9 0.0 165.8

174 117.4 0.0 232.4

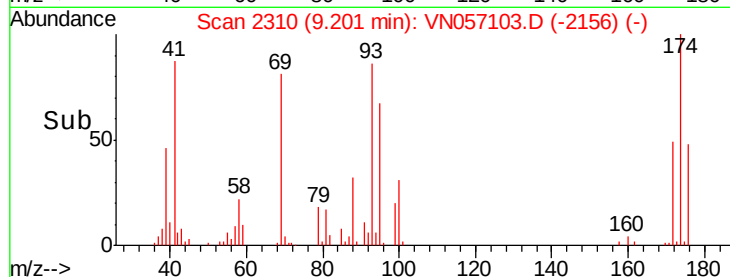


Abundance Ion 93.00 (92.70 to 93.70): VN056887.D (-2299) (-)

Ion 95.00 (94.70 to 95.70): VN056887.D (-2299) (-)

Ion 174.00 (173.70 to 174.70): VN056887.D (-2299) (-)

Time-->

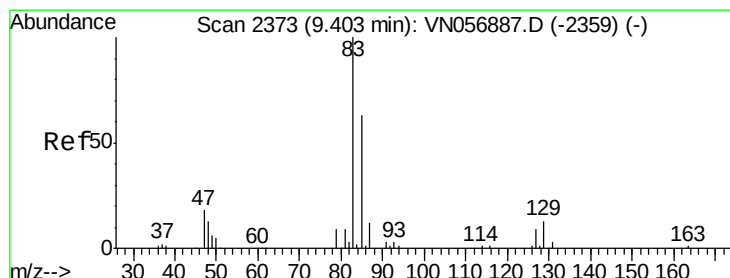


Abundance Ion 93.00 (92.70 to 93.70): VN057103.D (-2156) (-)

Ion 95.00 (94.70 to 95.70): VN057103.D (-2156) (-)

Ion 174.00 (173.70 to 174.70): VN057103.D (-2156) (-)

Time-->



#41

Bromodichloromethane

Concen: 18.285 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

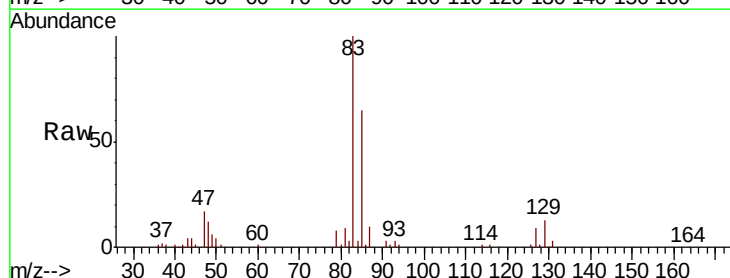
Tgt Ion: 83 Resp: 102560

Ion Ratio Lower Upper

83 100

85 65.1 50.6 75.8

127 8.8 7.2 10.8

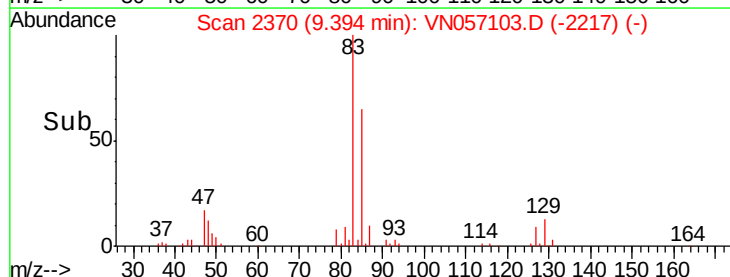


Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN056887.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN056887.D (-2359) (-)

Time-->

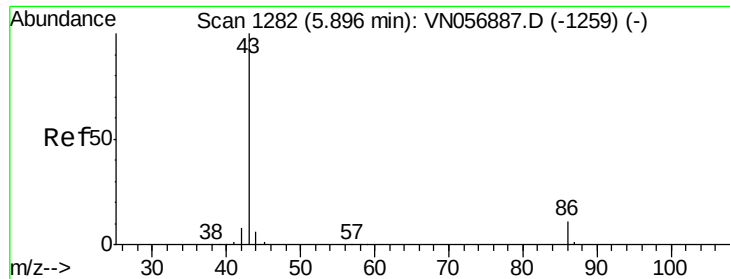


Abundance Ion 83.00 (82.70 to 83.70): VN057103.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN057103.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN057103.D (-2217) (-)

Time-->



#42

Vinyl Acetate

Concen: 88.742 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

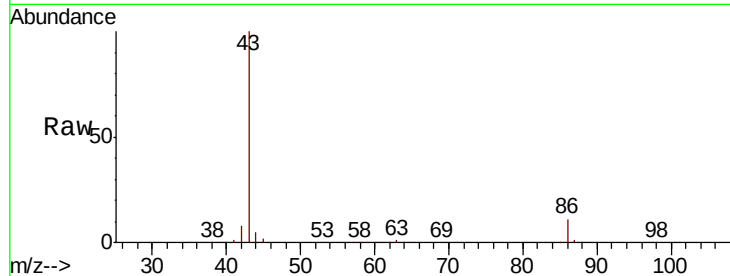
VSTDCCC020

Tgt Ion: 43 Resp: 898237

Ion Ratio Lower Upper

43 100

86 9.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

300000

250000

200000

150000

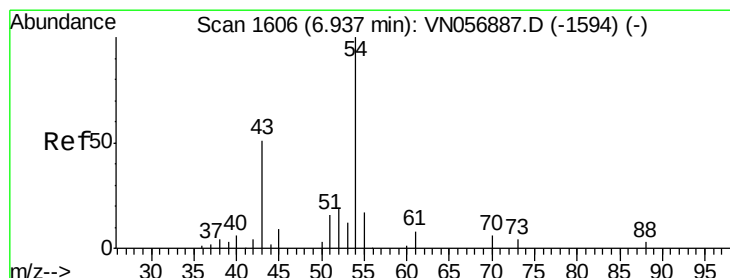
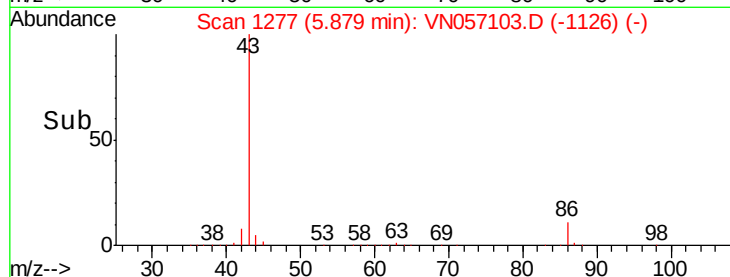
100000

50000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#43

Ethyl Acetate

Concen: 17.900 ug/l

RT: 6.92 min Scan# 1600

Delta R.T. -0.02 min

Lab File: VN057103.D

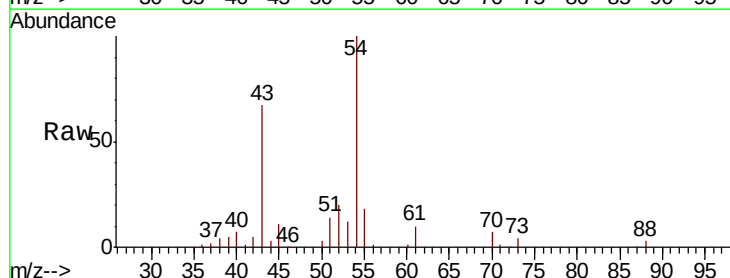
Acq: 6 Aug 2019 15:07

Tgt Ion: 43 Resp: 83403

Ion Ratio Lower Upper

43 100

45 16.0 10.2 15.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

80000

60000

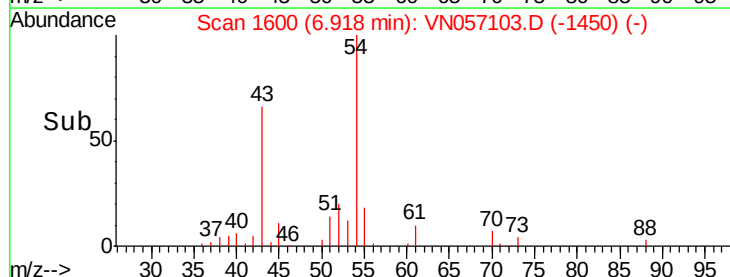
40000

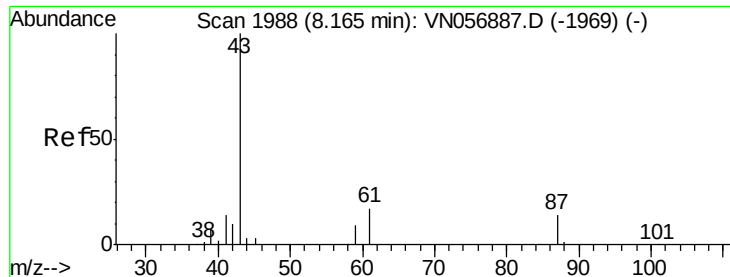
20000

0

Time-->

6.90 7.00





#44

Isopropyl Acetate

Concen: 21.568 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

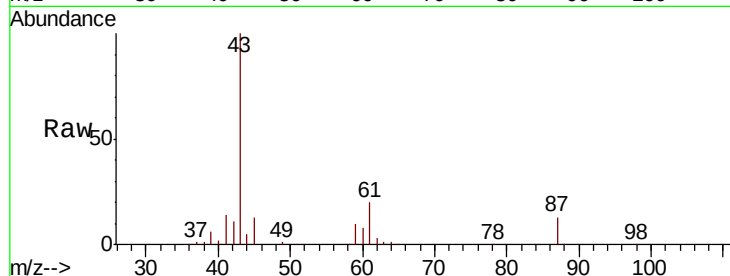
VSTDCCC020

Tgt Ion: 43 Resp: 167514

Ion Ratio Lower Upper

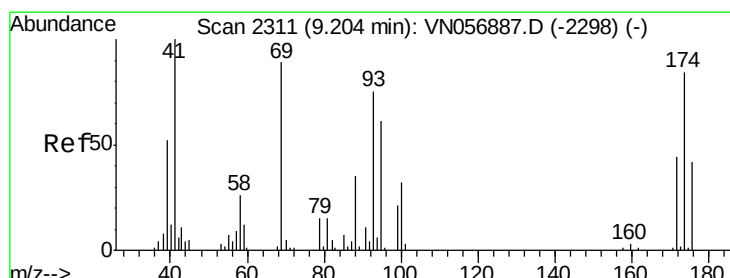
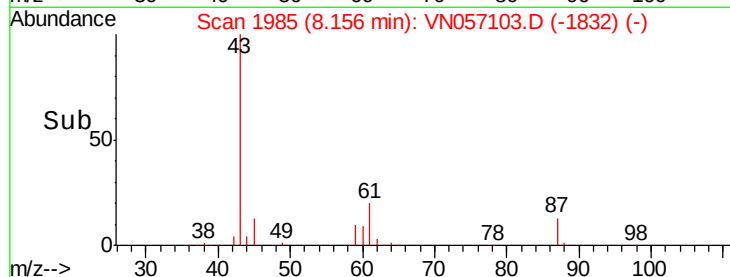
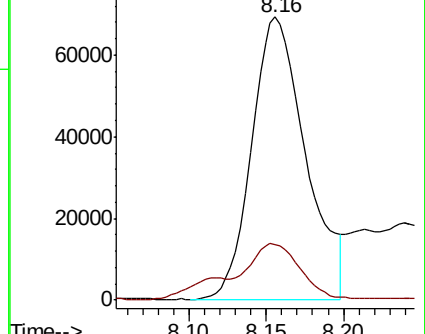
43 100

61 18.1 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#45

1,4-Dioxane

Concen: 388.699 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

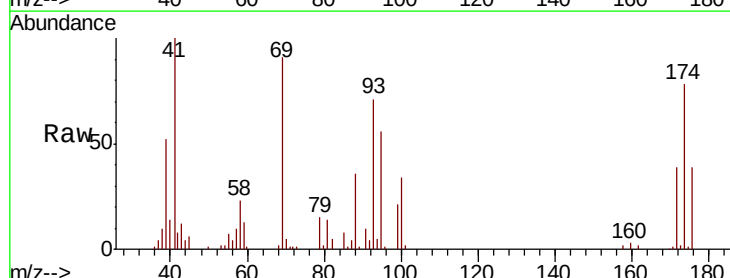
Tgt Ion: 88 Resp: 28740

Ion Ratio Lower Upper

88 100

43 28.6 23.4 35.0

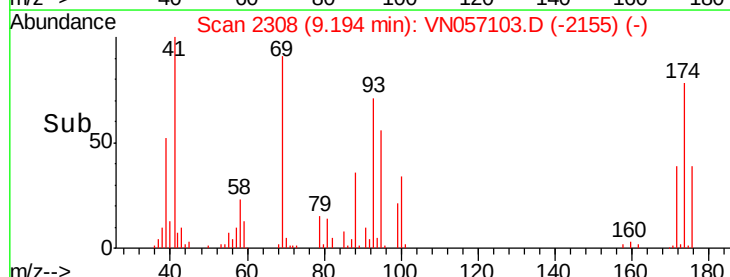
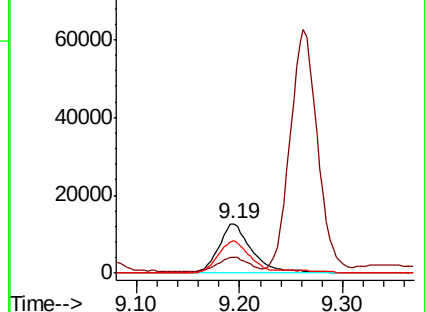
58 63.1 58.5 87.7

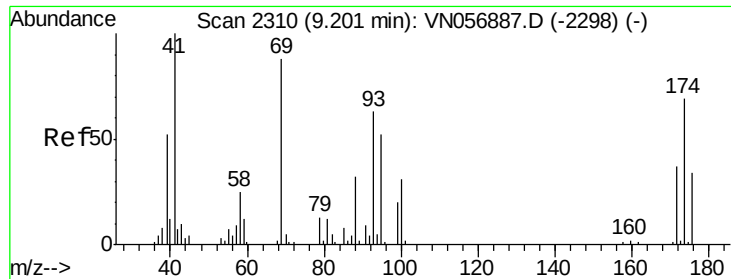


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

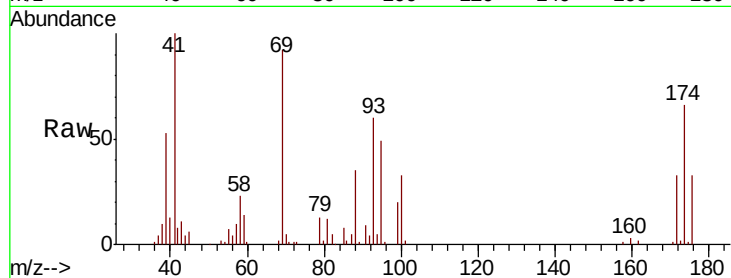




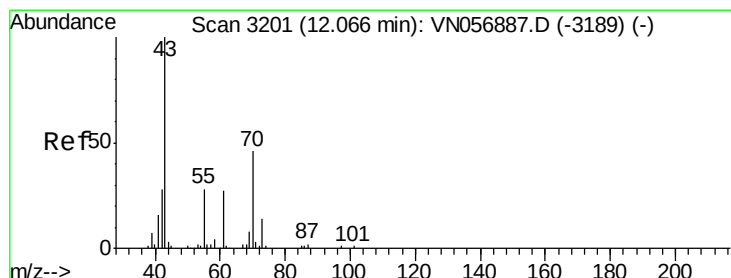
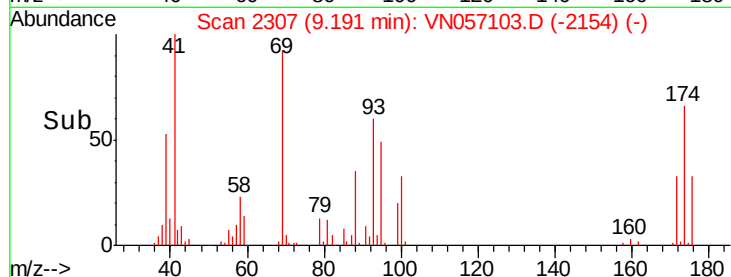
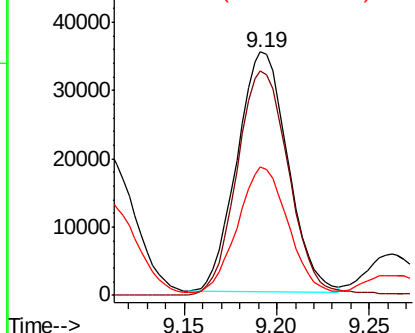
#46
Methyl methacrylate
Concen: 17.202 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 66653
Ion Ratio Lower Upper
41 100
69 94.0 44.0 132.0
39 52.4 25.8 77.4

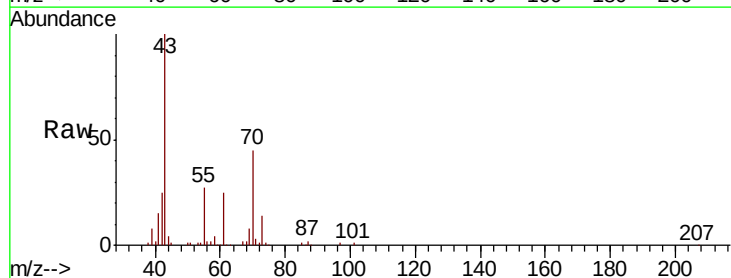


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

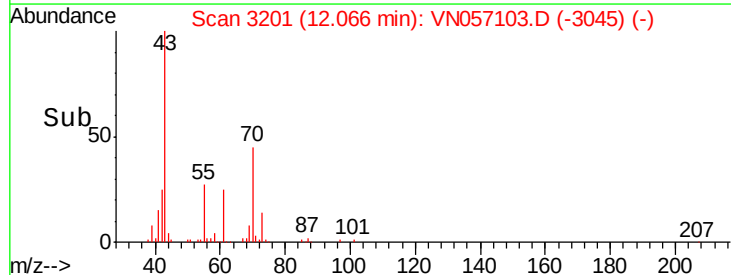
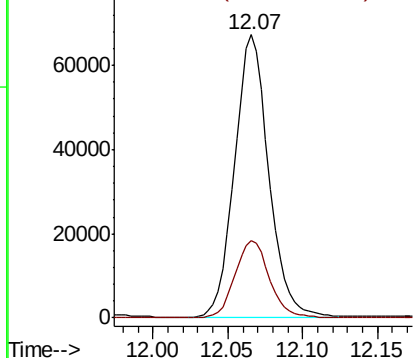


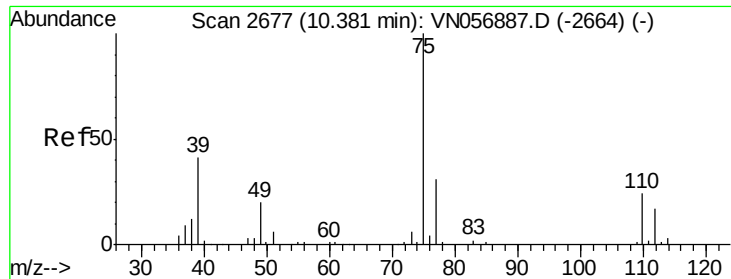
#47
n-amyl Acetate
Concen: 17.165 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 43 Resp: 106720
Ion Ratio Lower Upper
43 100
55 27.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 18.477 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

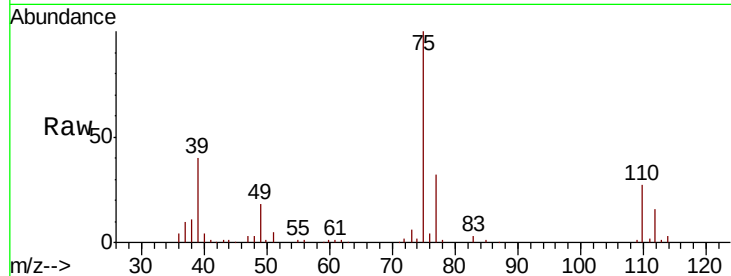
VSTDCCC020

Tgt Ion: 75 Resp: 107845

Ion Ratio Lower Upper

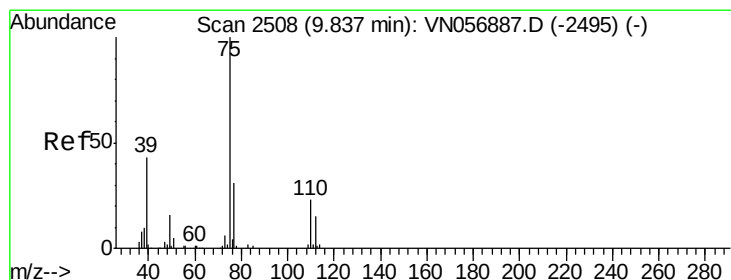
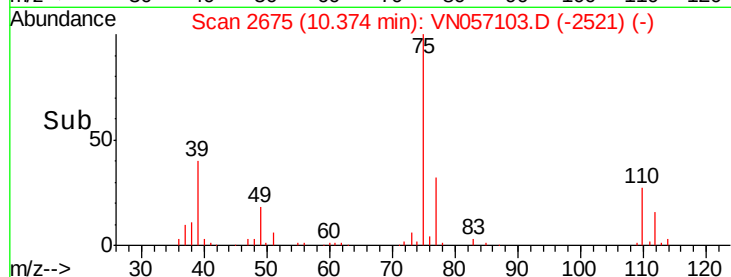
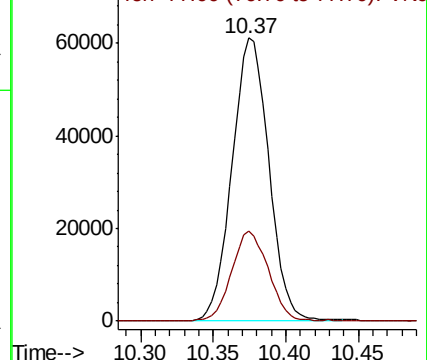
75 100

77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 18.341 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

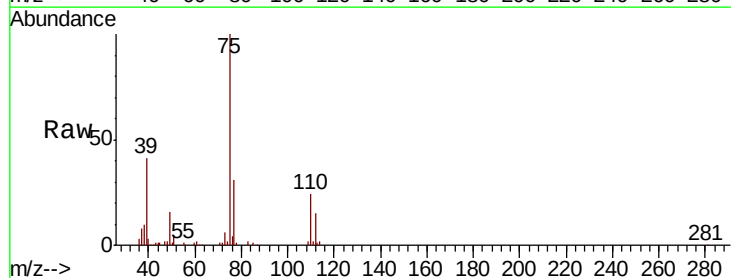
Tgt Ion: 75 Resp: 124744

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

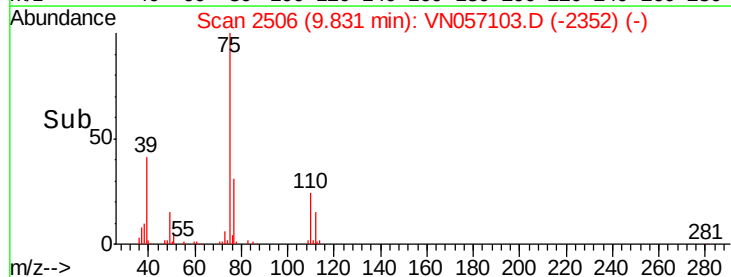
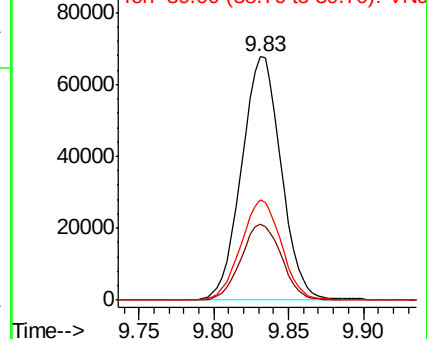
39 41.2 34.2 51.4

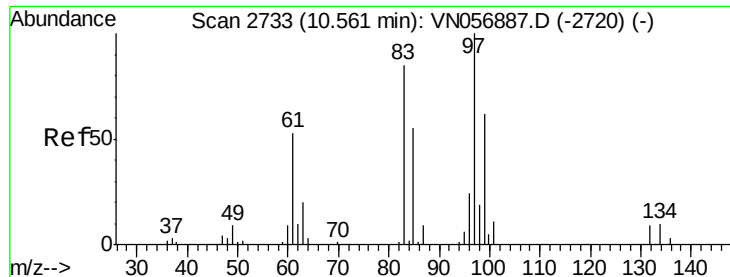


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

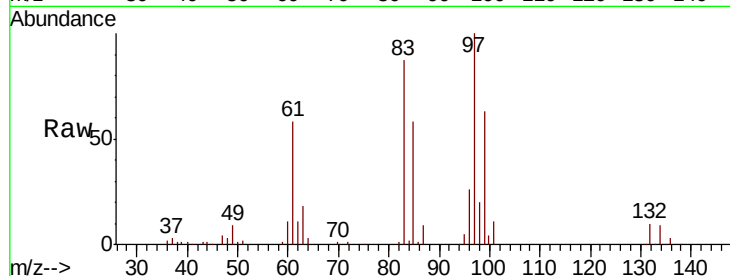




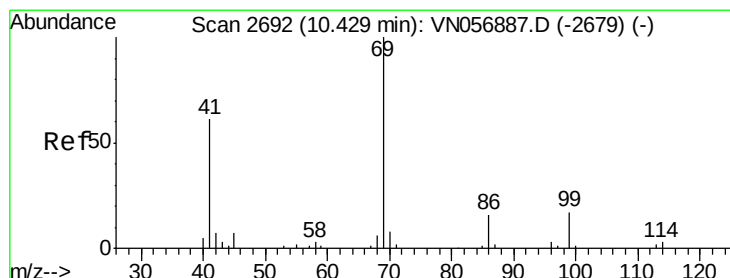
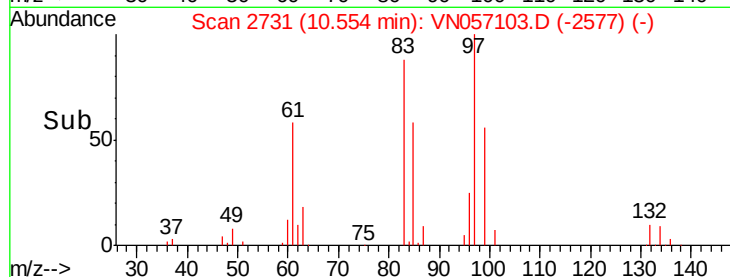
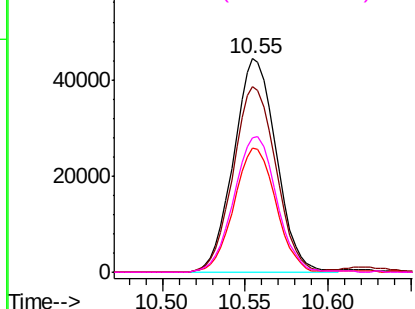
#50
 1,1,2-Trichloroethane
 Concen: 18.962 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	97	Resp:	79467
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.4	102.6
85	58.1	44.3	66.5
99	63.2	49.4	74.2

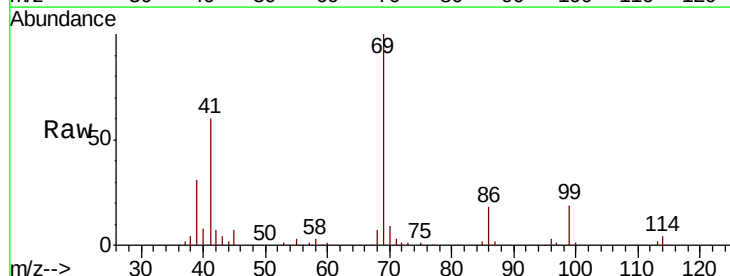


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

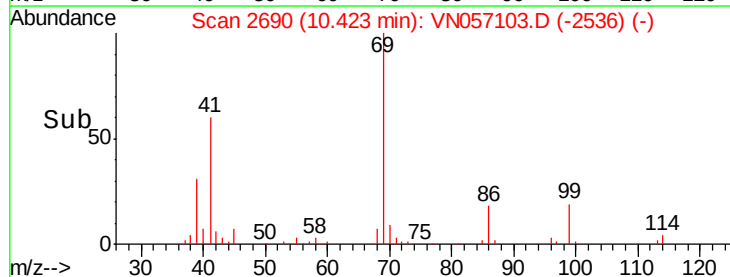
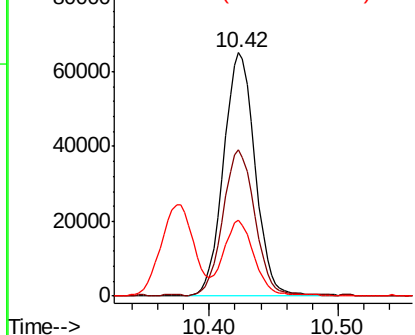


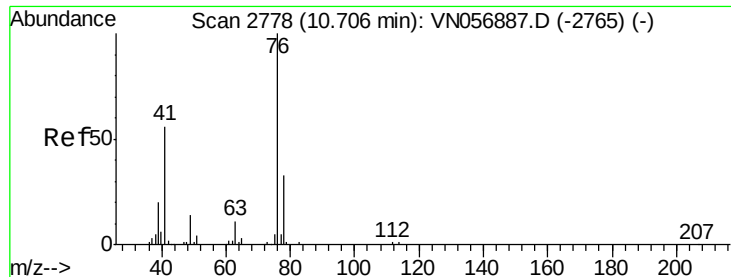
#51
 Ethyl methacrylate
 Concen: 18.256 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion:	69	Resp:	110660
Ion	Ratio	Lower	Upper
69	100		
41	59.5	30.4	91.3
39	31.0	14.2	42.6



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





#52

1,3-Dichloropropane

Concen: 18.912 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

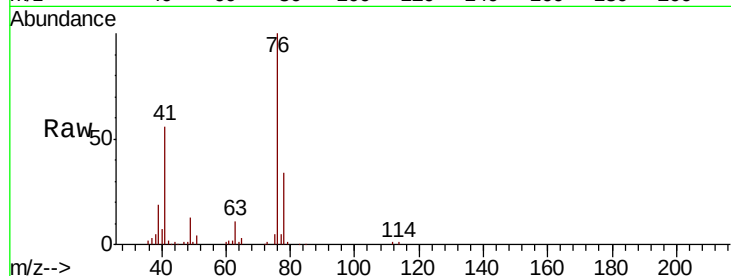
VSTDCCC020

Tgt Ion: 76 Resp: 133760

Ion Ratio Lower Upper

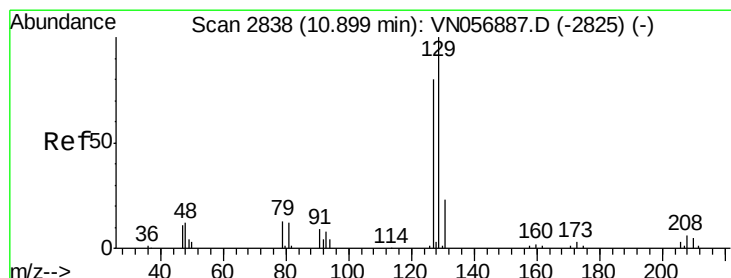
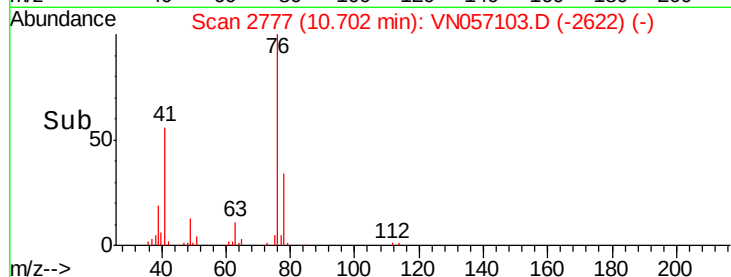
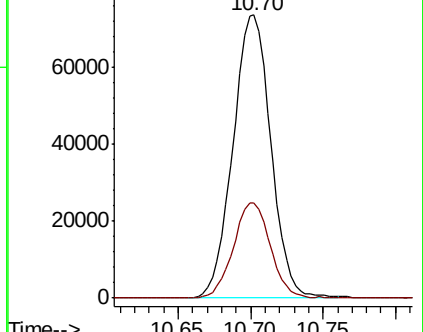
76 100

78 32.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN056887.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056887.D (-2765) (-)



#53

Dibromochloromethane

Concen: 18.532 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057103.D

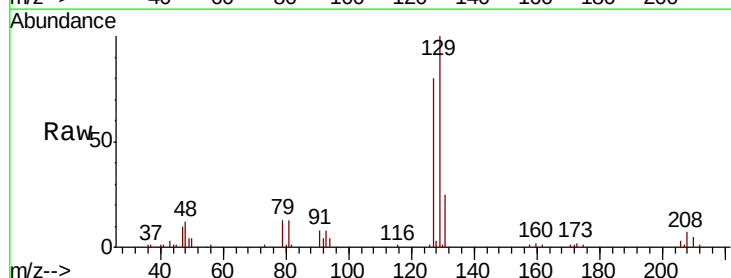
Acq: 6 Aug 2019 15:07

Tgt Ion: 129 Resp: 80729

Ion Ratio Lower Upper

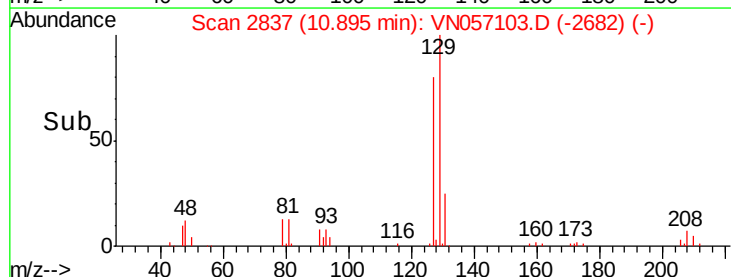
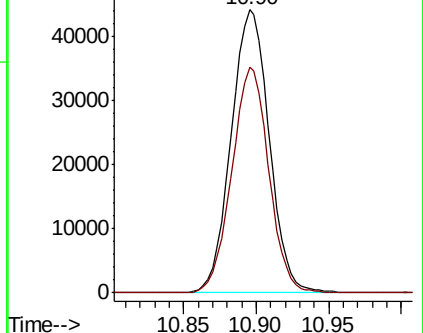
129 100

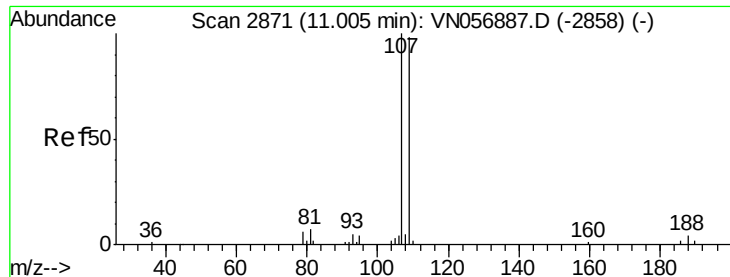
127 77.2 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): VN056887.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN056887.D (-2825) (-)





#54

1,2-Dibromoethane

Concen: 18.929 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

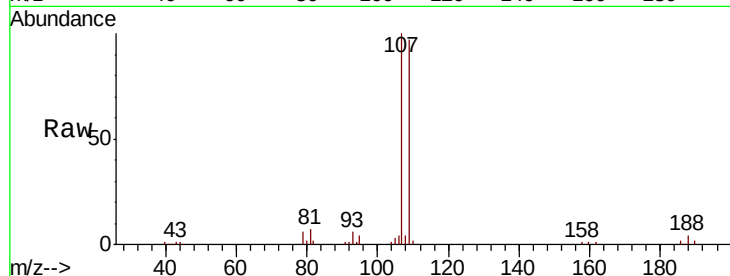
VSTDCCC020

Tgt Ion: 107 Resp: 80928

Ion Ratio Lower Upper

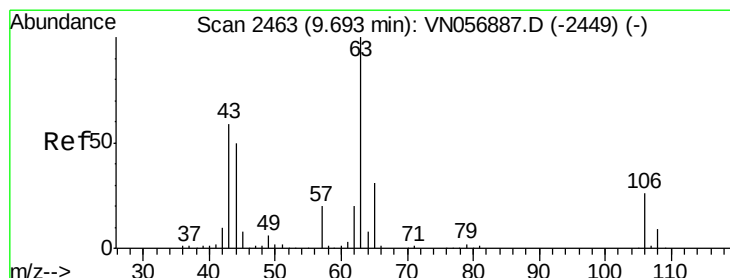
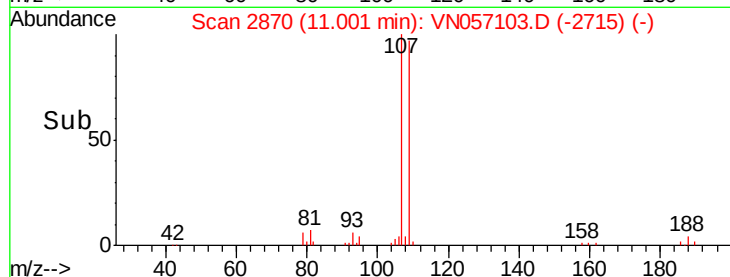
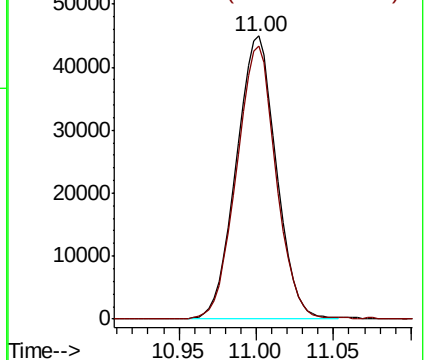
107 100

109 95.2 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 64.781 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

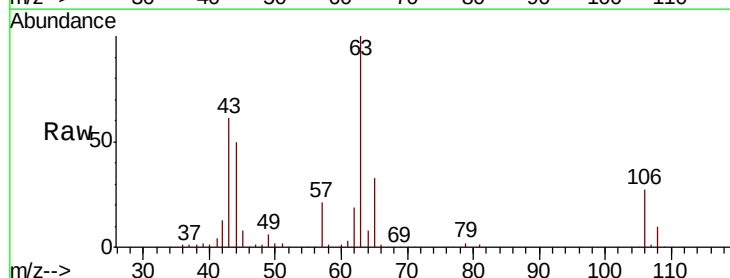
Tgt Ion: 63 Resp: 170064

Ion Ratio Lower Upper

63 100

65 32.8 25.1 37.7

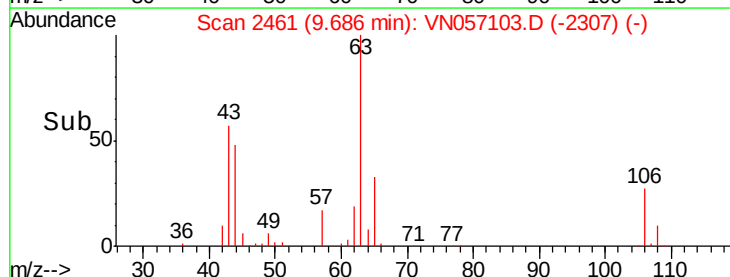
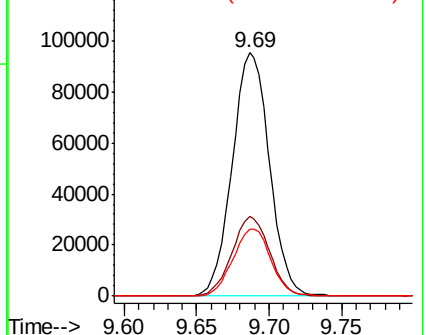
106 28.1 21.5 32.3

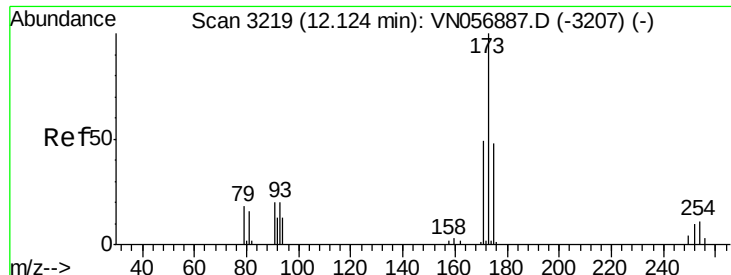


Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): V

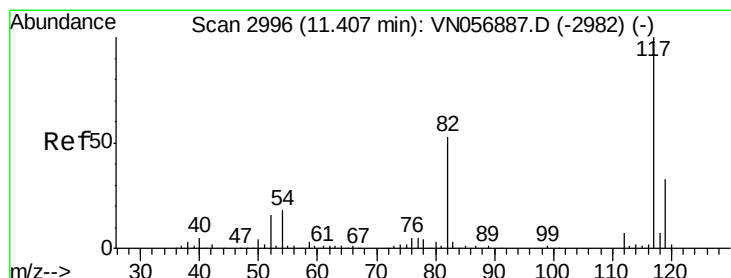
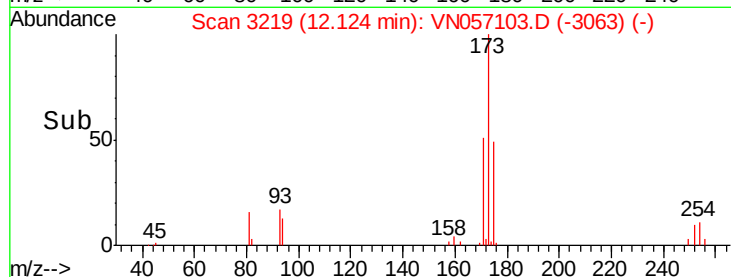
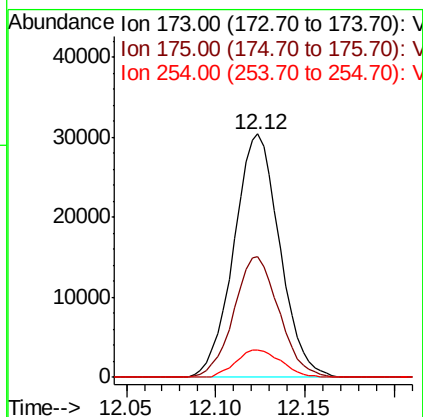
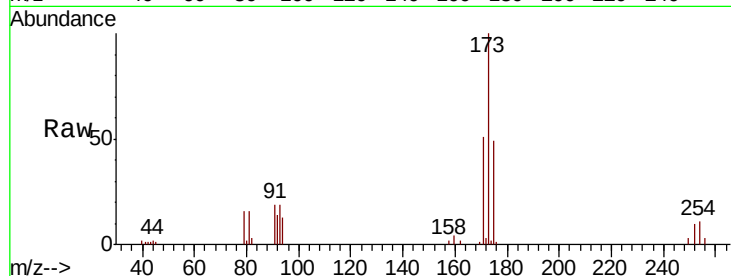




#56
Bromoform
Concen: 18.064 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

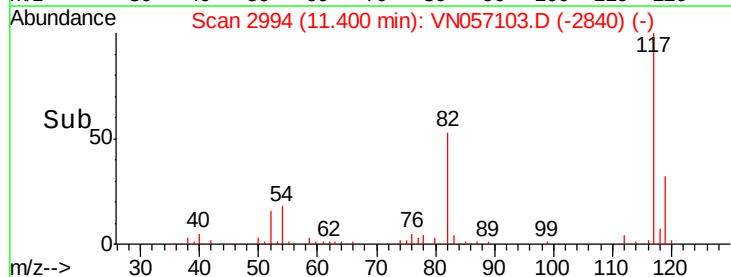
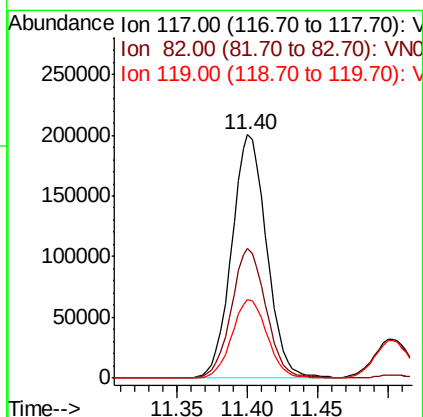
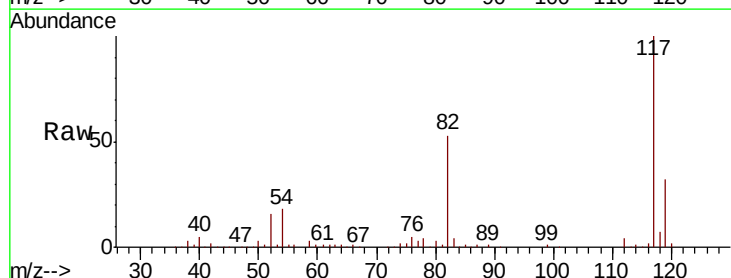
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

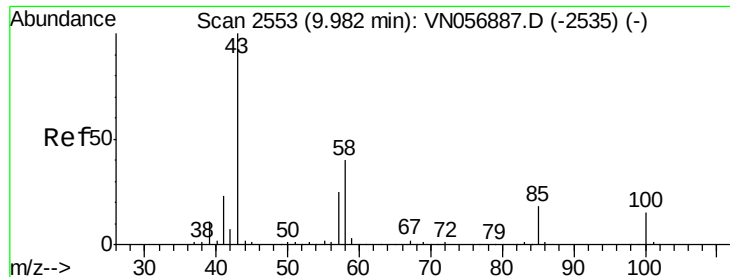
Tgt Ion:173 Resp: 54443
Ion Ratio Lower Upper
173 100
175 49.0 38.8 58.2
254 11.1 8.1 12.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:117 Resp: 347328
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 32.6 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 90.628 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

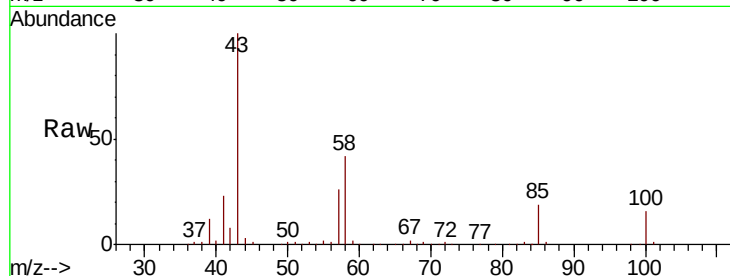
Tgt Ion: 43 Resp: 422418

Ion Ratio Lower Upper

43 100

58 40.7 31.7 47.5

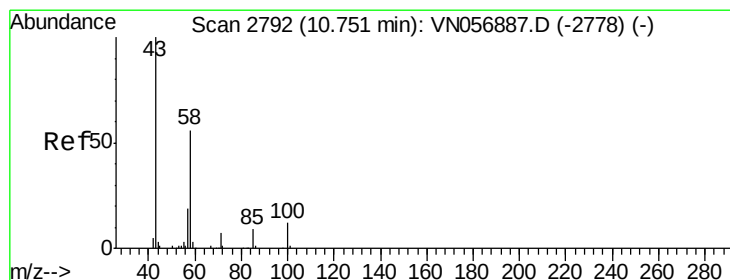
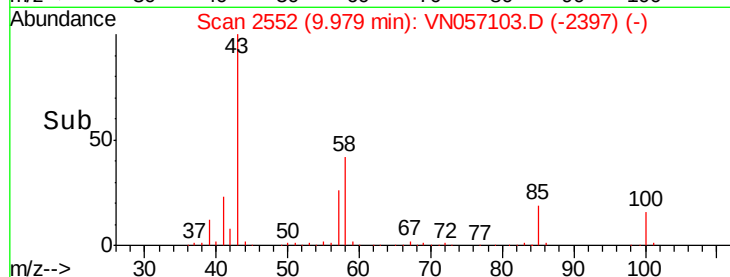
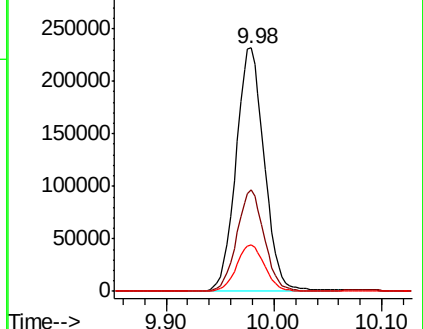
85 19.2 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VN056887.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN056887.D (-2535) (-)

Ion 85.00 (84.70 to 85.70): VN056887.D (-2535) (-)



#59

2-Hexanone

Concen: 100.588 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

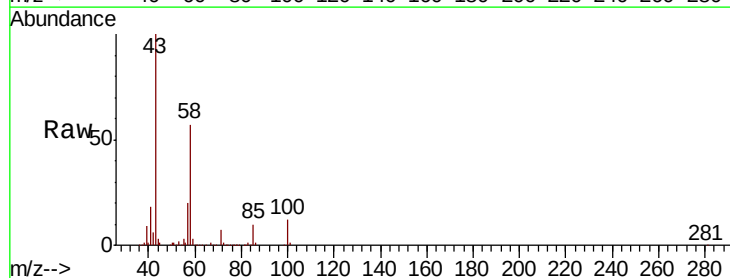
Tgt Ion: 43 Resp: 319477

Ion Ratio Lower Upper

43 100

58 56.6 45.0 67.4

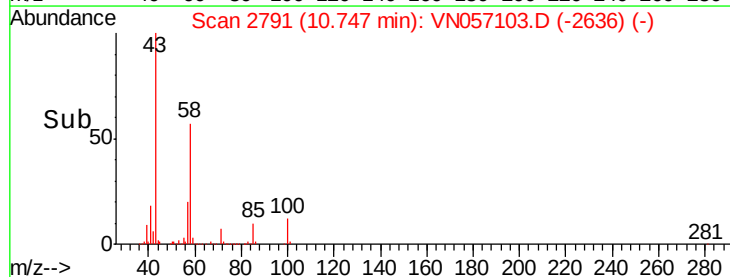
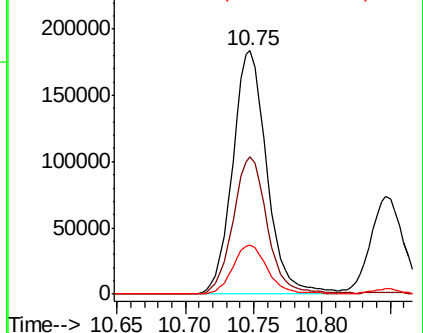
57 20.6 15.4 23.0

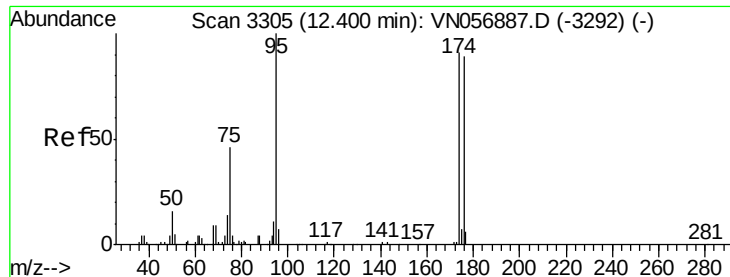


Abundance Ion 43.00 (42.70 to 43.70): VN056887.D (-2778) (-)

Ion 58.00 (57.70 to 58.70): VN056887.D (-2778) (-)

Ion 57.00 (56.70 to 57.70): VN056887.D (-2778) (-)

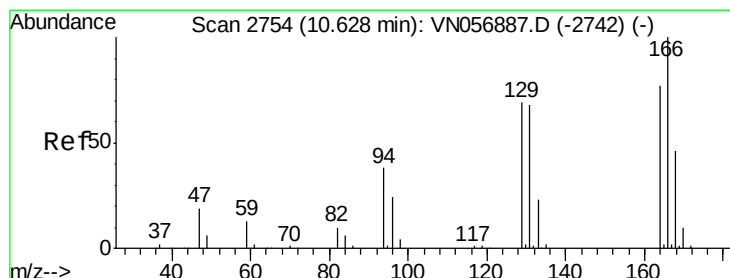
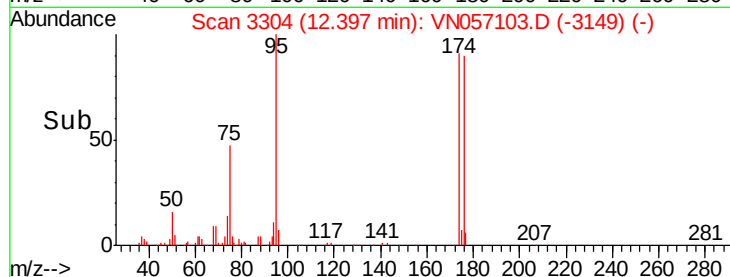
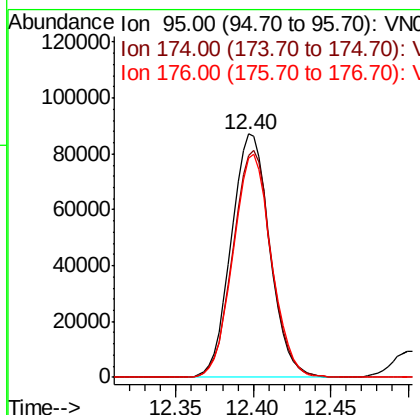
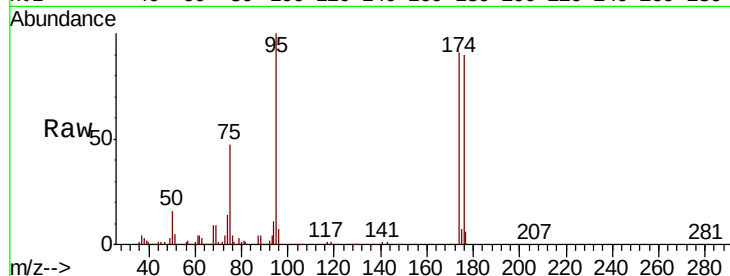




#60
 4-Bromofluorobenzene
 Concen: 28.884 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

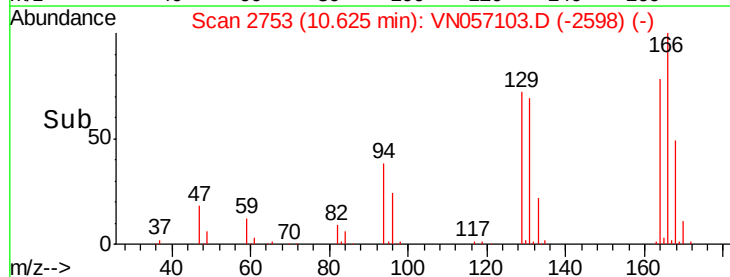
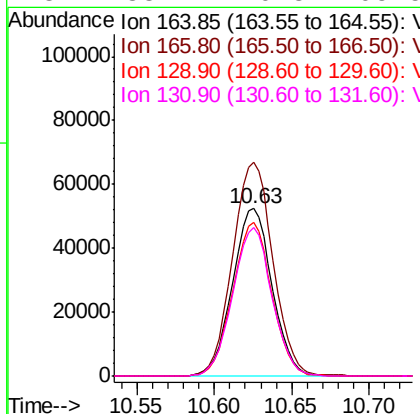
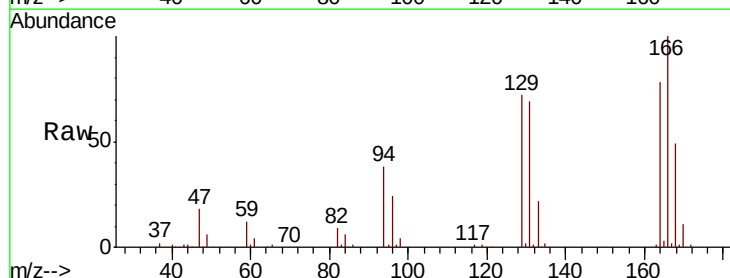
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

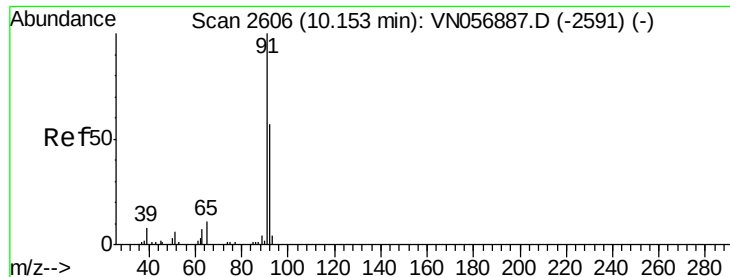
Tgt Ion:	95	Resp:	150360
Ion	Ratio	Lower	Upper
95	100		
174	92.8	71.9	107.9
176	91.4	69.8	104.8



#61
 Tetrachloroethene
 Concen: 19.108 ug/l
 RT: 10.63 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion:	164	Resp:	93012
Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.9	155.9
129	91.7	72.4	108.6
131	88.4	70.3	105.5





#62

Toluene

Concen: 18.821 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

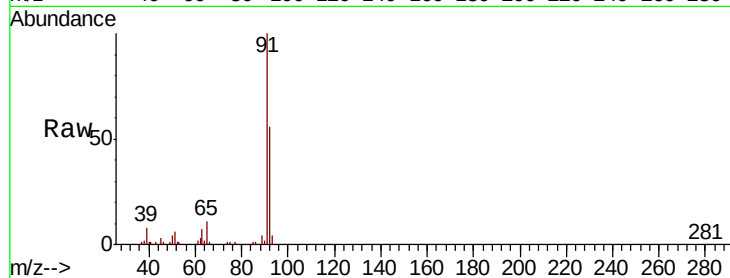
VSTDCCC020

Tgt Ion: 91 Resp: 355529

Ion Ratio Lower Upper

91 100

92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-2591) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-2591) (-)

10.15

200000

150000

100000

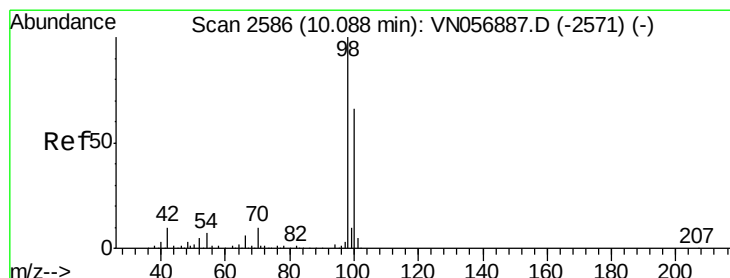
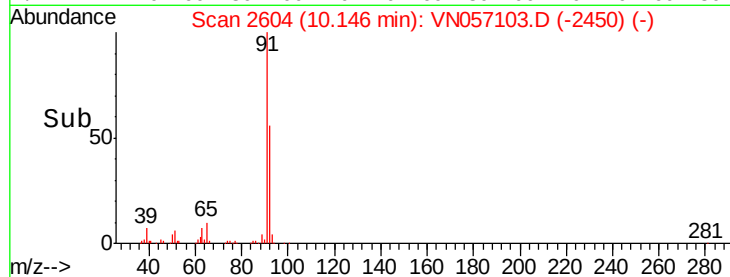
50000

0

10.10

10.20

Time-->



#63

Toluene-d8

Concen: 29.645 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057103.D

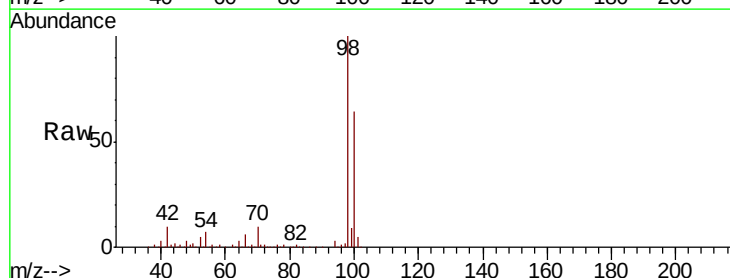
Acq: 6 Aug 2019 15:07

Tgt Ion: 98 Resp: 486380

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056887.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056887.D (-2571) (-)

10.08

300000

250000

200000

150000

100000

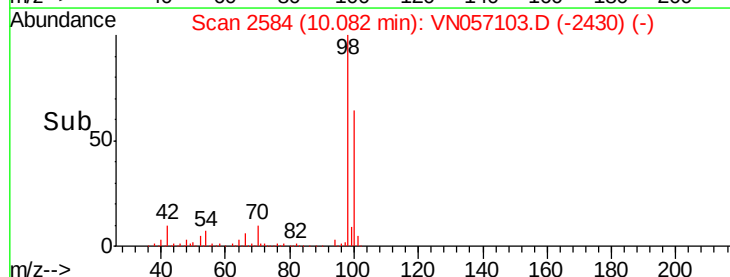
50000

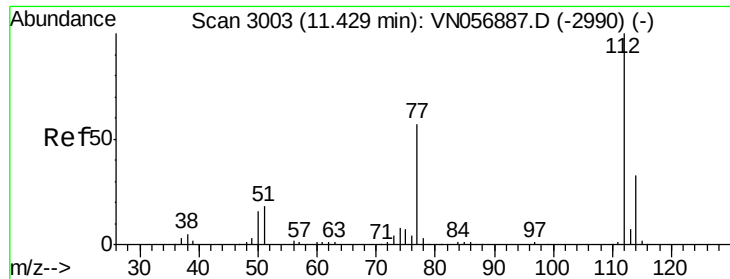
0

10.00

10.10

Time-->

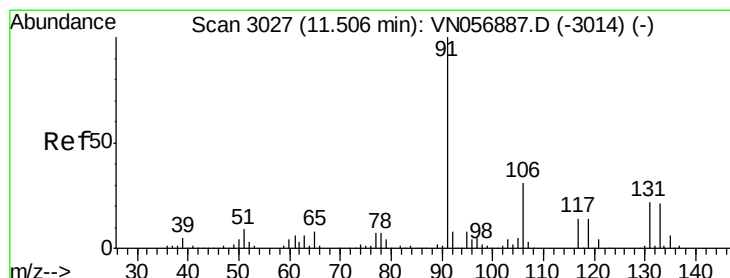
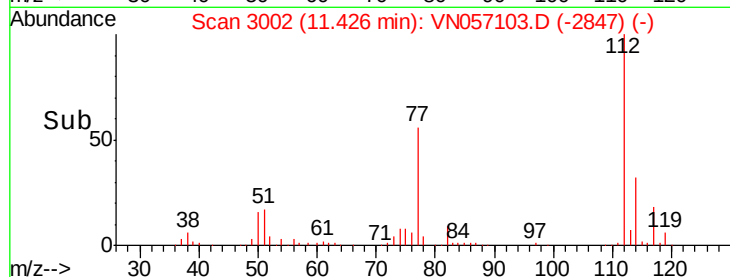
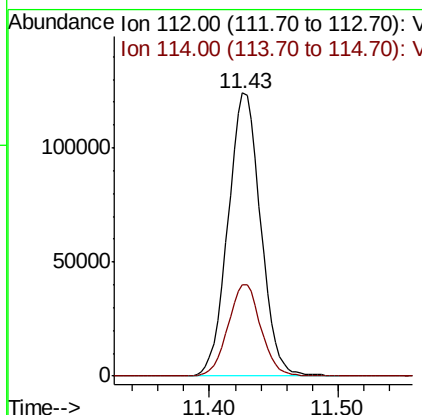
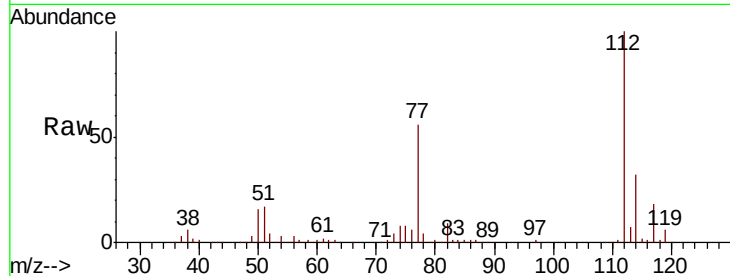




#64
Chlorobenzene
Concen: 19.157 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

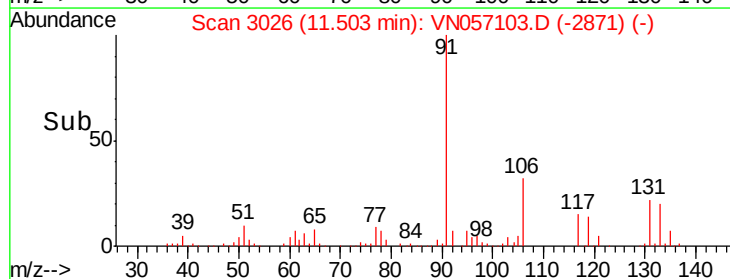
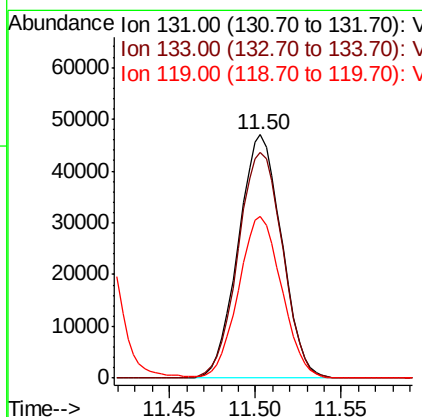
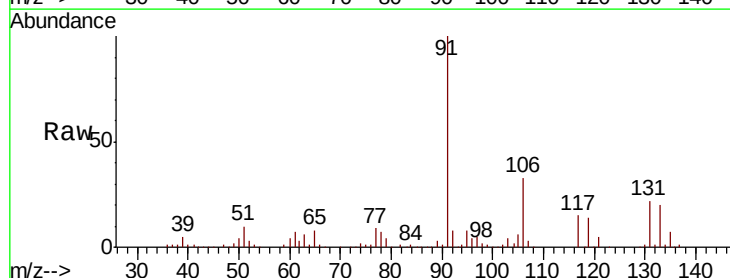
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

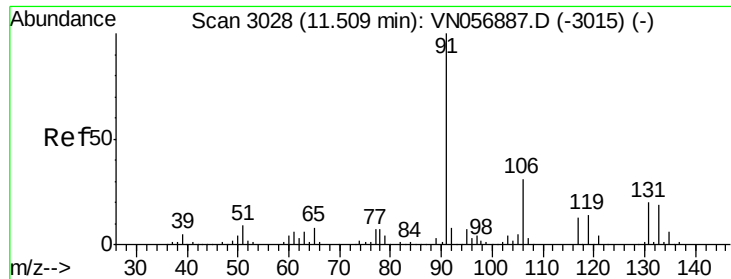
Tgt Ion:112 Resp: 217986
Ion Ratio Lower Upper
112 100
114 32.2 26.7 40.1



#65
1,1,1,2-Tetrachloroethane
Concen: 19.084 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:131 Resp: 82247
Ion Ratio Lower Upper
131 100
133 95.2 0.0 189.6
119 65.9 0.0 133.6

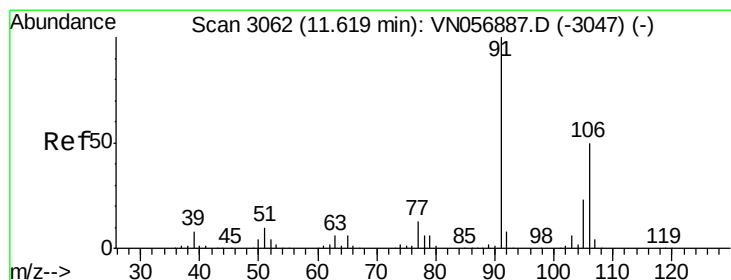
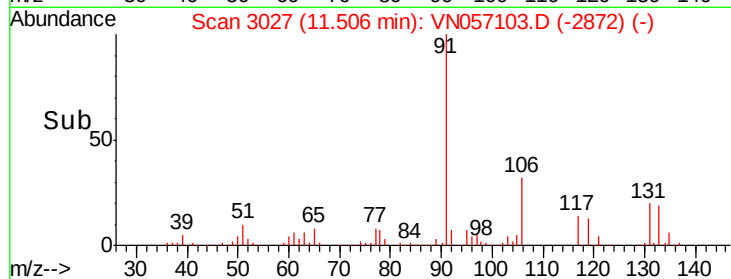
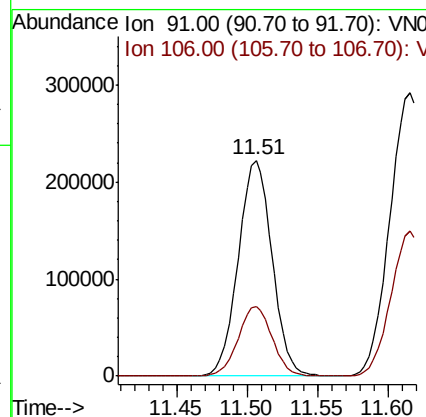
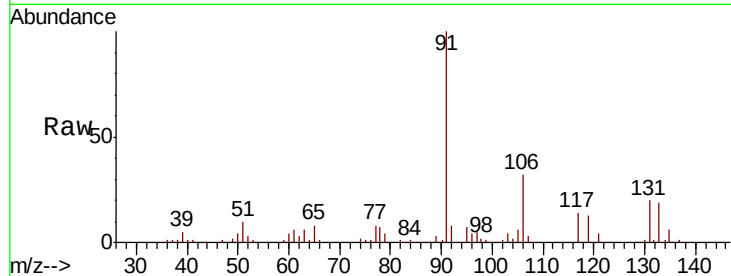




#66
Ethyl Benzene
Concen: 18.810 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

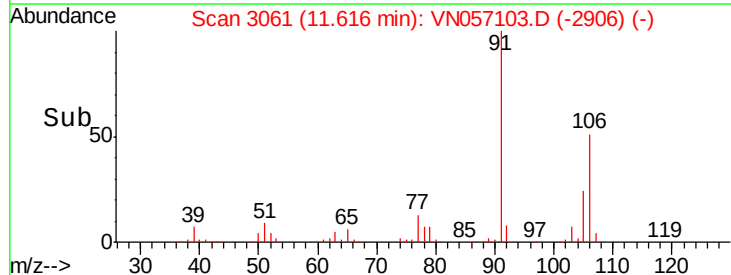
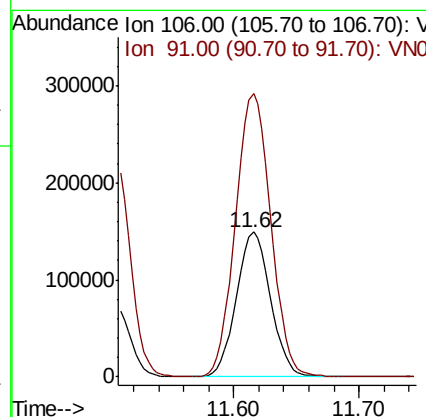
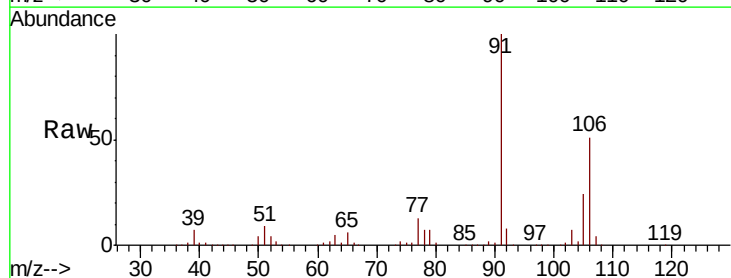
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

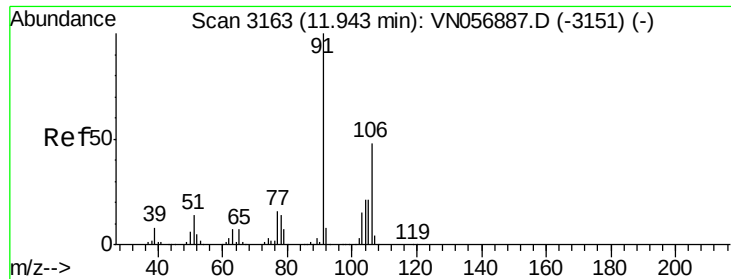
Tgt Ion: 91 Resp: 374428
Ion Ratio Lower Upper
91 100
106 32.2 24.9 37.3



#67
m/p-Xylenes
Concen: 38.108 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 106 Resp: 282874
Ion Ratio Lower Upper
106 100
91 202.7 160.6 240.8

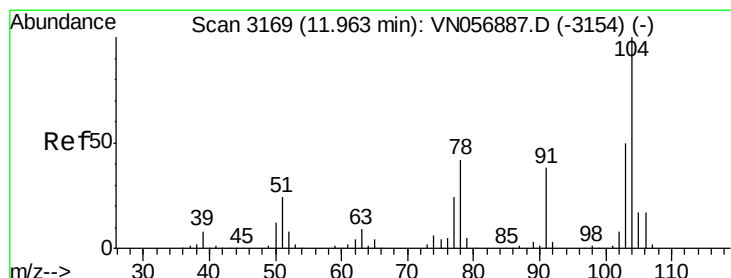
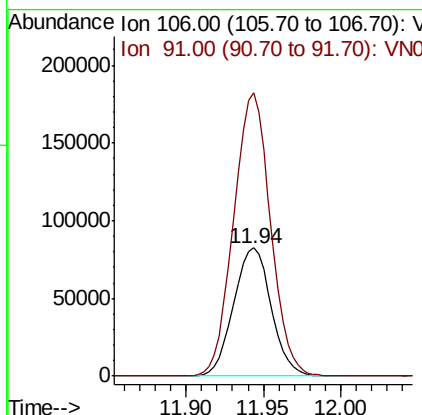
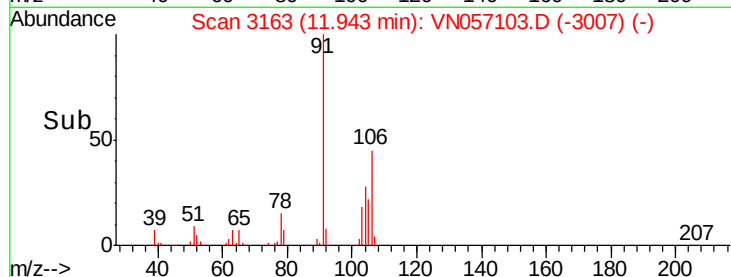
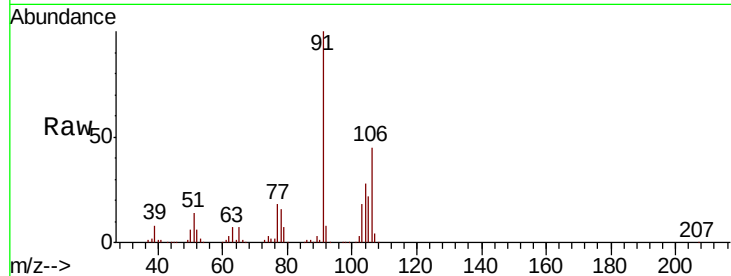




#68
o-Xylene
Concen: 19.101 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

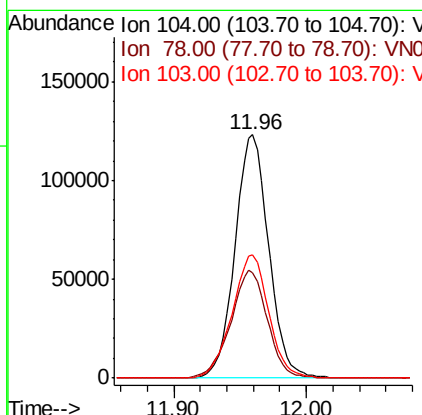
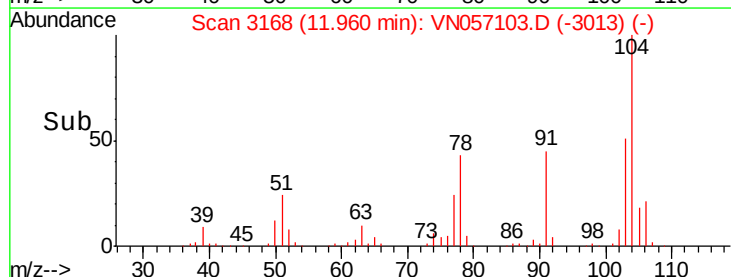
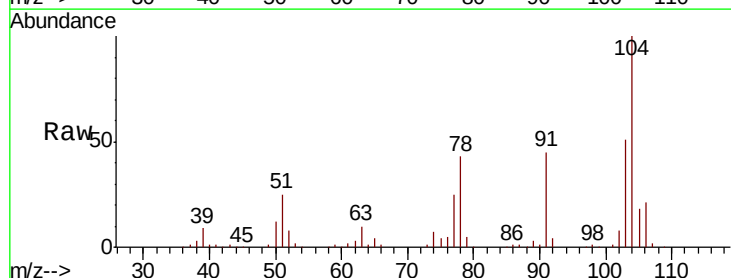
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

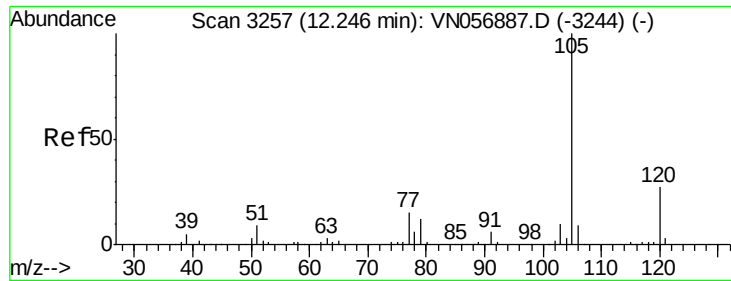
Tgt Ion:106 Resp: 139400
Ion Ratio Lower Upper
106 100
91 216.8 106.2 318.6



#69
Styrene
Concen: 18.441 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:104 Resp: 218097
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 54.8 44.7 67.1





#70

Isopropylbenzene

Concen: 19.523 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

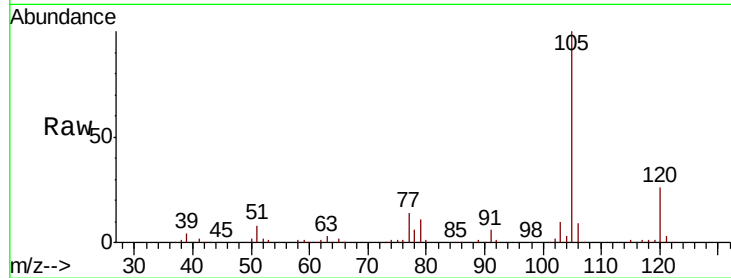
VSTDCCC020

Tgt Ion: 105 Resp: 375158

Ion Ratio Lower Upper

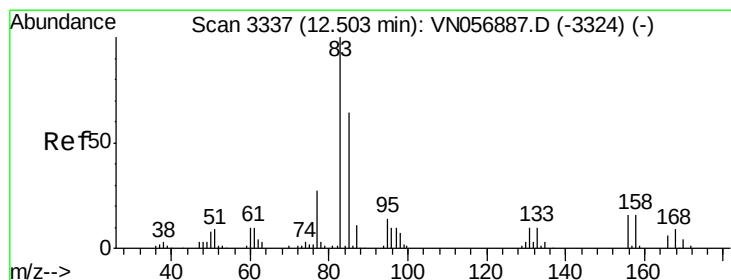
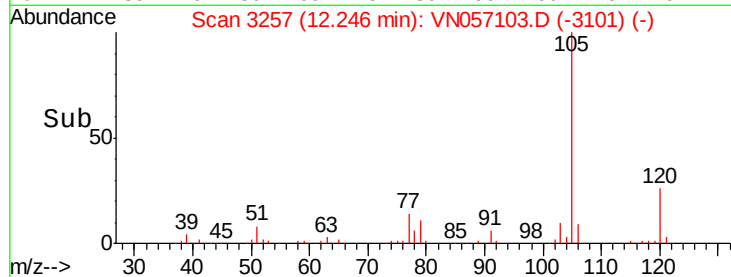
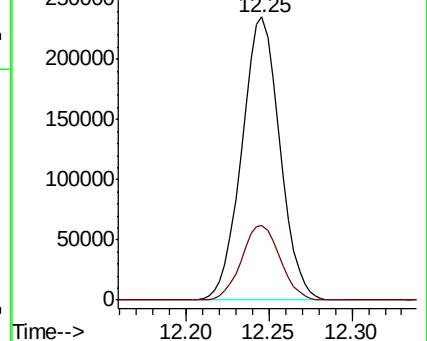
105 100

120 26.9 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 18.966 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

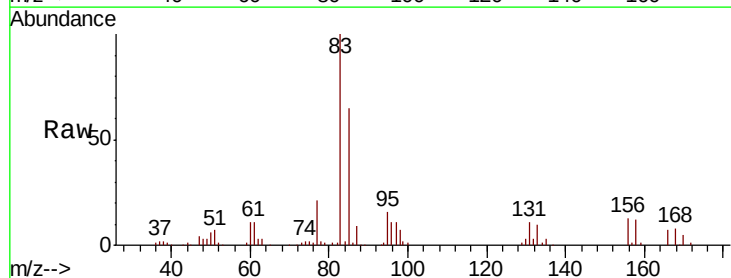
Tgt Ion: 83 Resp: 102082

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.2

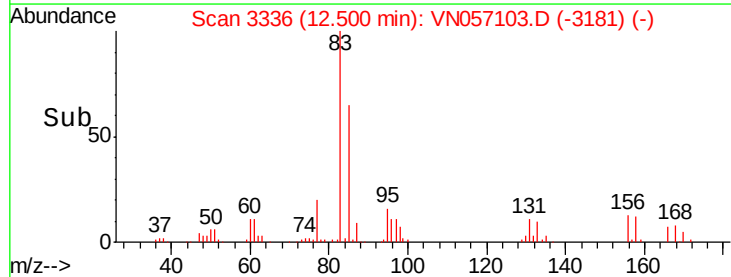
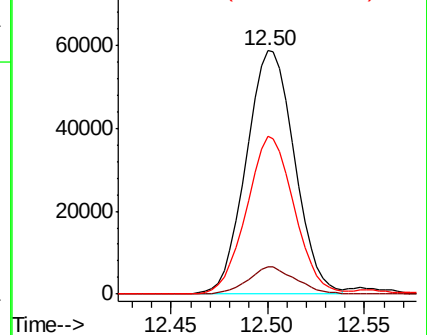
85 63.9 31.8 95.4

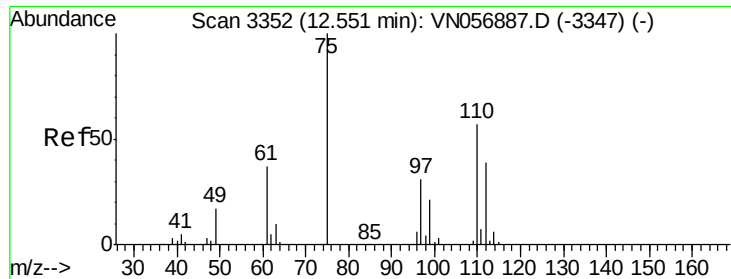


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0

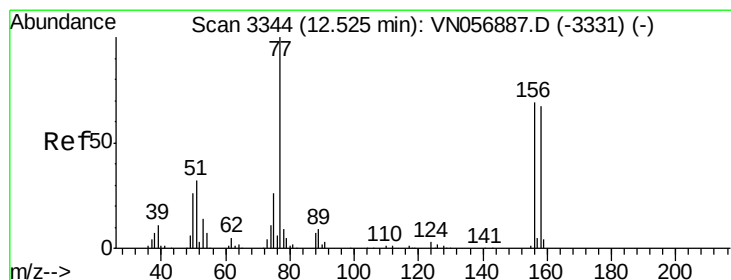
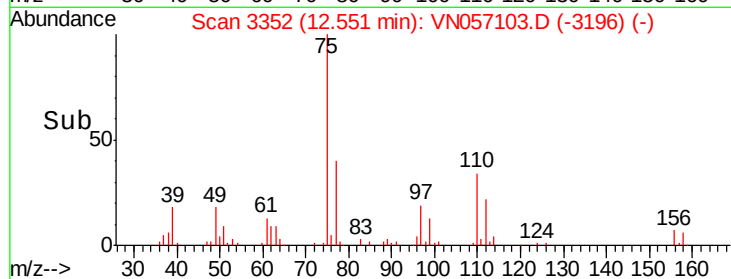
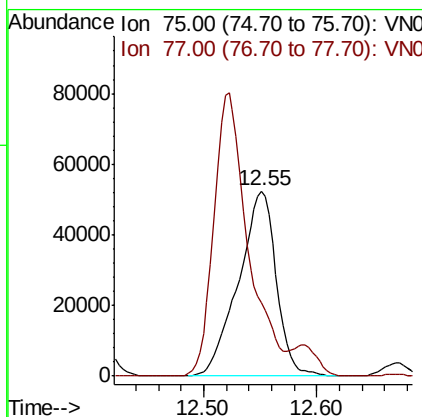
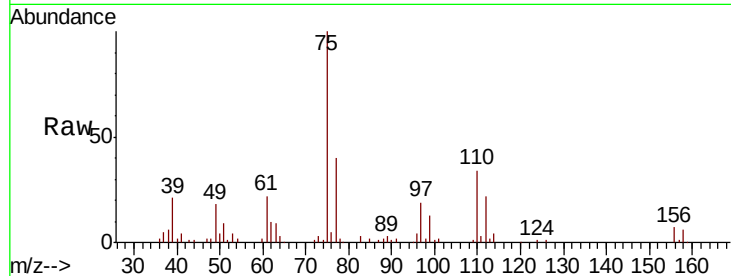




#72
 1,2,3-Trichloropropane
 Concen: 25.688 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

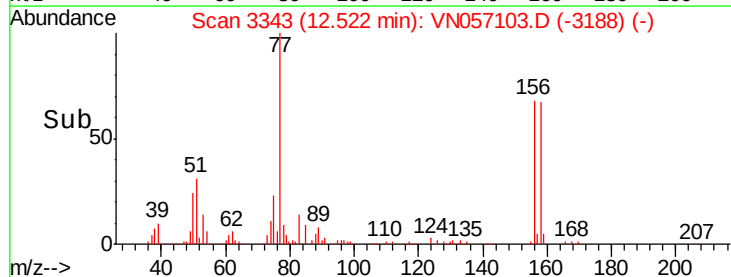
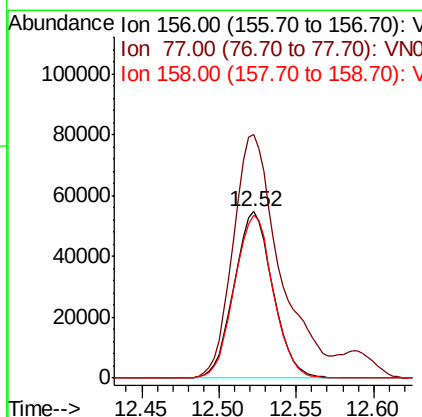
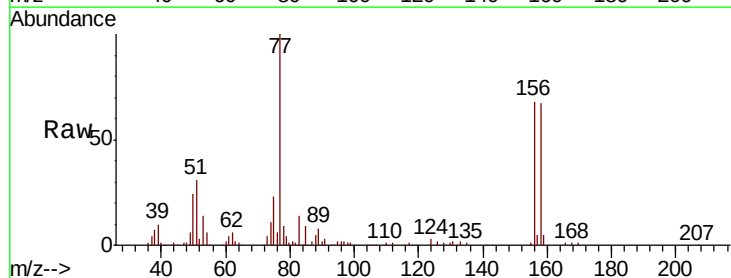
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

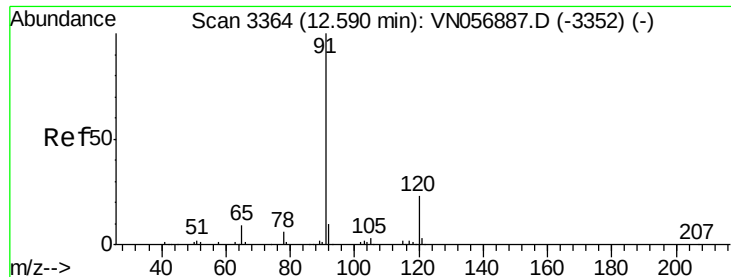
Tgt Ion: 75 Resp: 121646
 Ion Ratio Lower Upper
 75 100
 77 137.8 0.0 378.6



#73
 Bromobenzene
 Concen: 19.209 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 156 Resp: 95249
 Ion Ratio Lower Upper
 156 100
 77 176.0 0.0 364.6
 158 98.1 0.0 196.2





#74

n-propylbenzene

Concen: 17.703 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

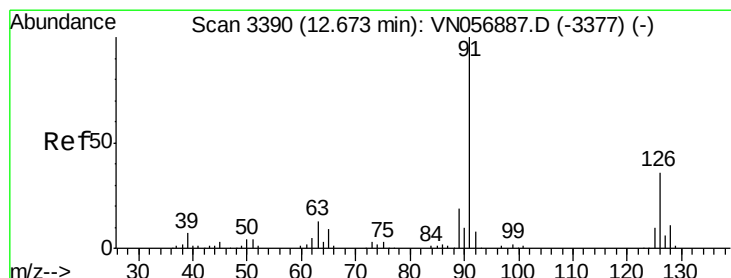
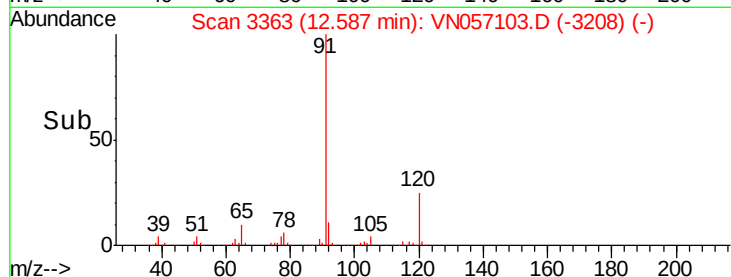
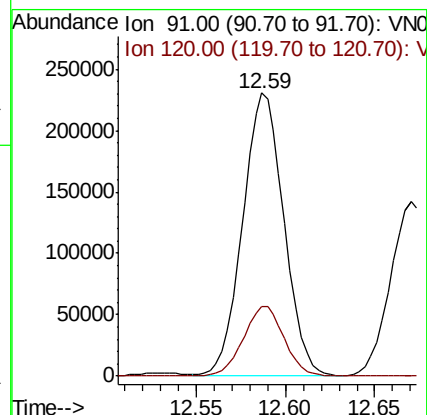
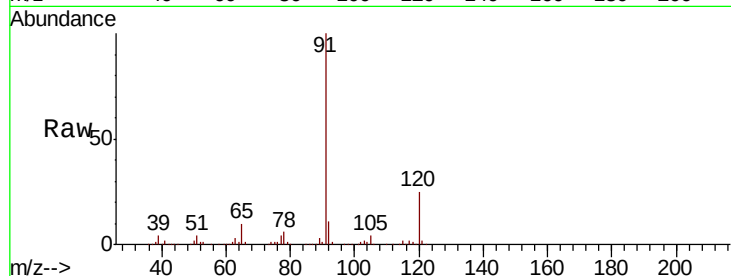
VSTDCCC020

Tgt Ion: 91 Resp: 371968

Ion Ratio Lower Upper

91 100

120 24.3 0.0 46.4



#75

2-Chlorotoluene

Concen: 18.590 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057103.D

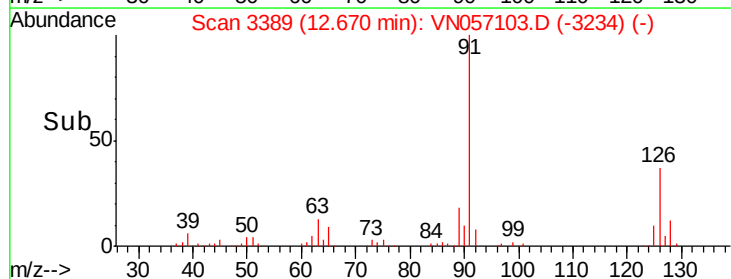
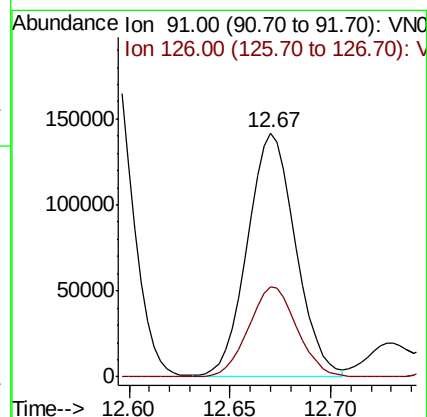
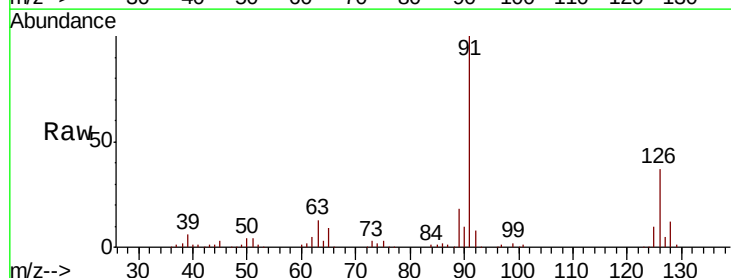
Acq: 6 Aug 2019 15:07

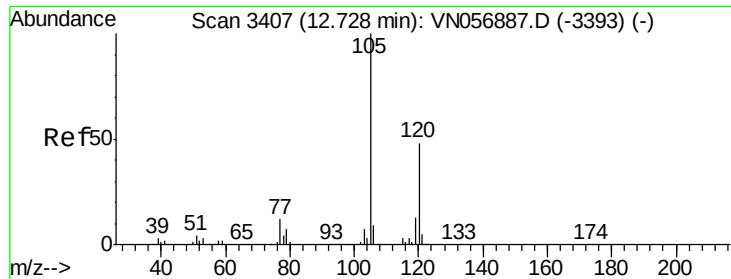
Tgt Ion: 91 Resp: 236806

Ion Ratio Lower Upper

91 100

126 37.0 0.0 70.8

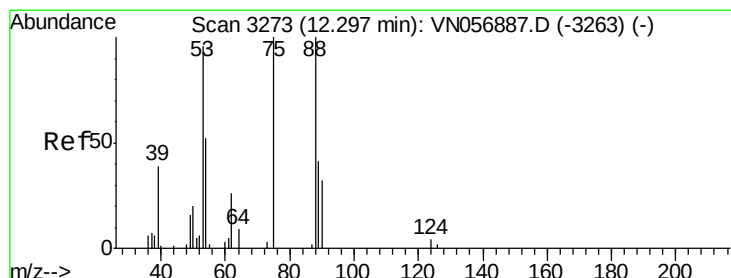
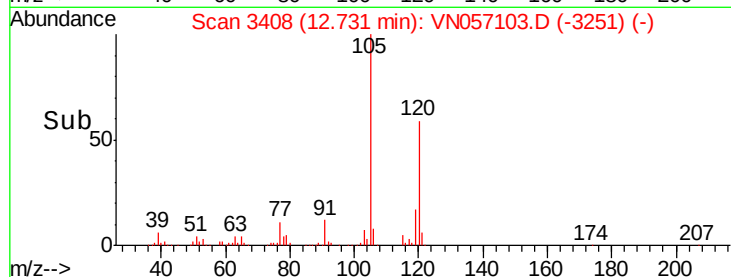
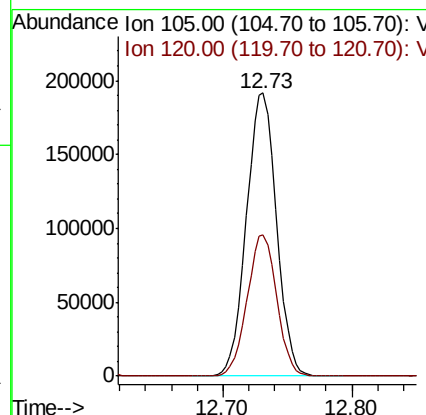
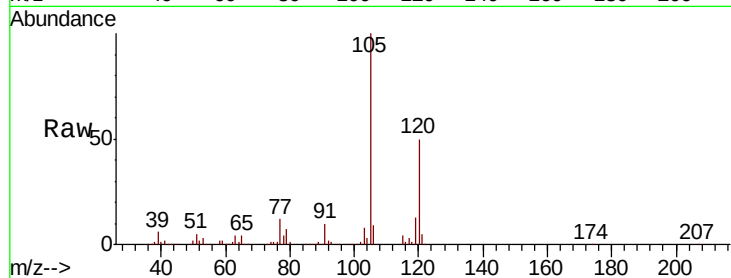




#76
 1,3,5-Trimethylbenzene
 Concen: 19.232 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

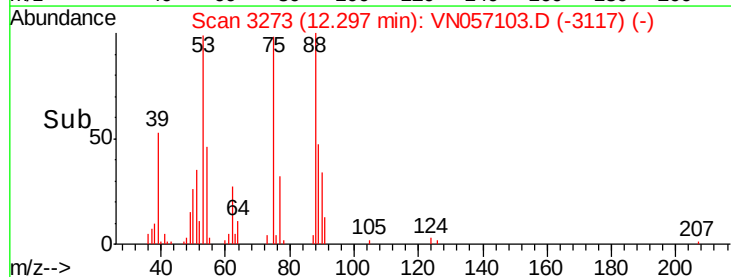
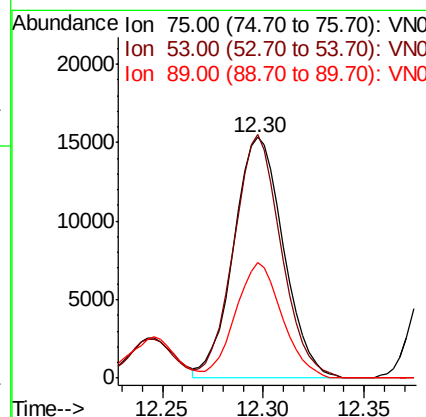
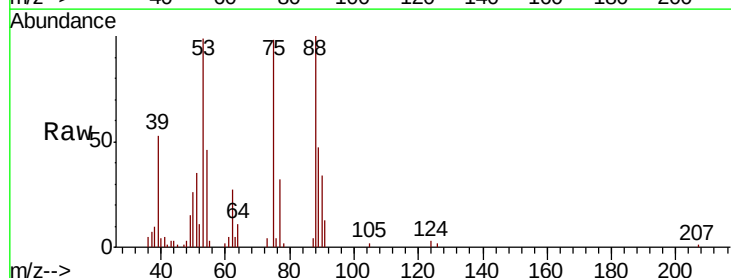
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

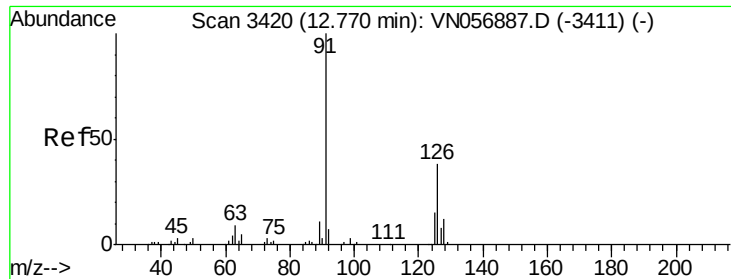
Tgt Ion:105 Resp: 311117
 Ion Ratio Lower Upper
 105 100
 120 49.1 0.0 97.2



#77
 t-1,4-Dichloro-2-butene
 Concen: 17.871 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 75 Resp: 26571
 Ion Ratio Lower Upper
 75 100
 53 101.0 48.0 144.0
 89 47.8 21.4 64.3





#78

4-Chlorotoluene

Concen: 17.260 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

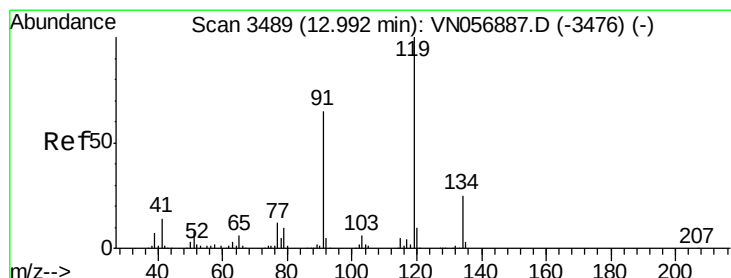
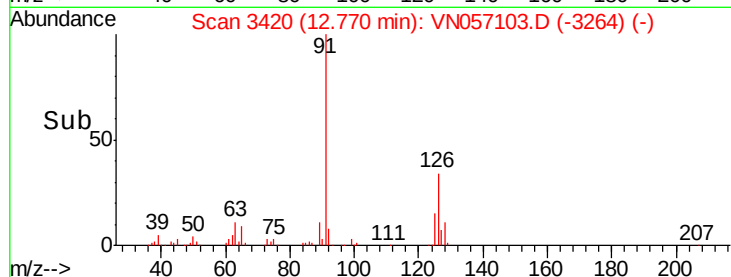
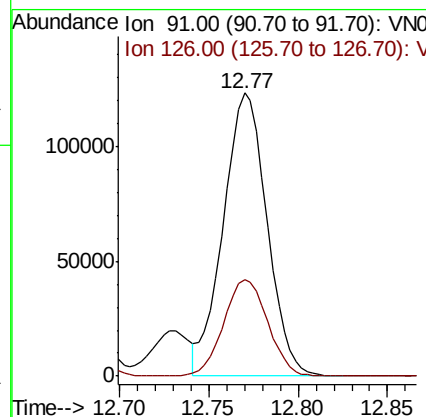
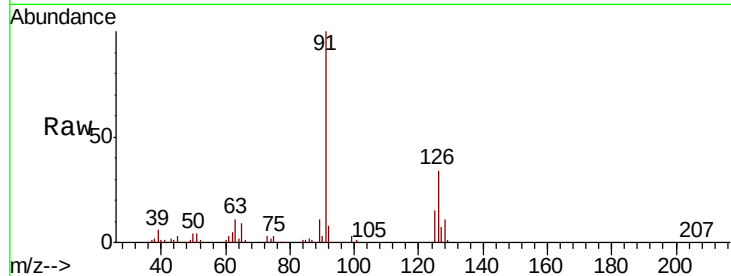
VSTDCCC020

Tgt Ion: 91 Resp: 208996

Ion Ratio Lower Upper

91 100

126 34.5 0.0 69.6



#79

tert-butylbenzene

Concen: 19.864 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

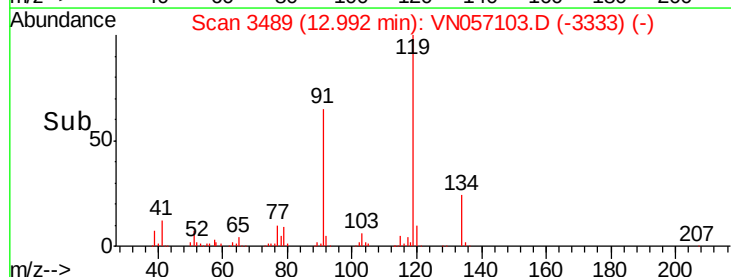
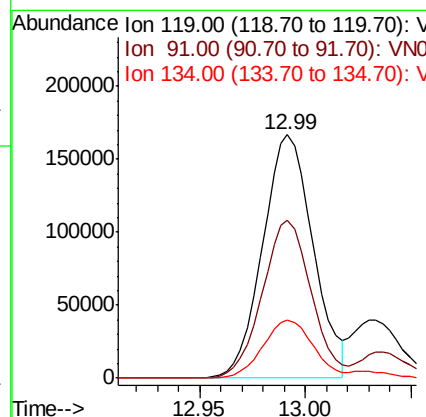
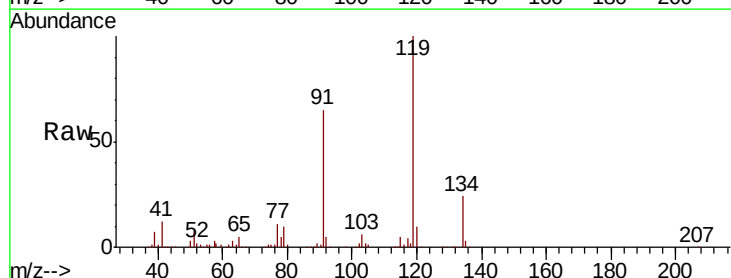
Tgt Ion: 119 Resp: 277306

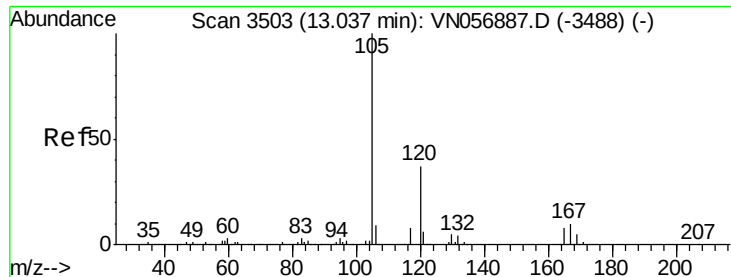
Ion Ratio Lower Upper

119 100

91 63.0 0.0 126.8

134 23.9 0.0 48.8

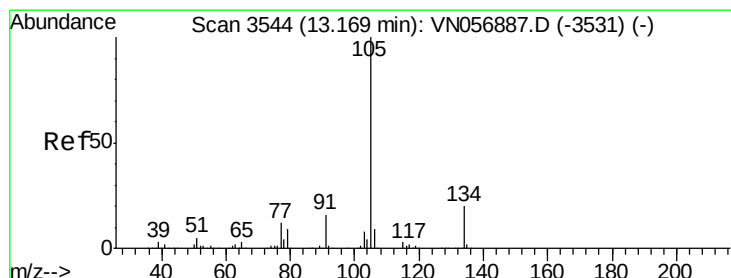
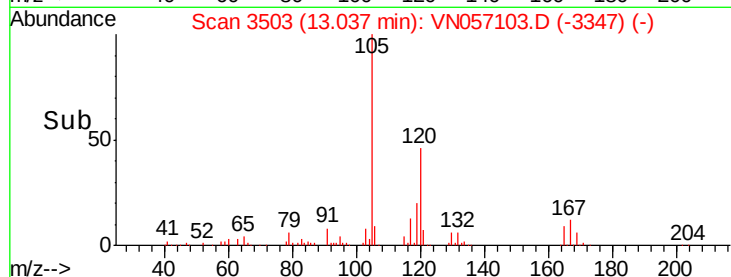
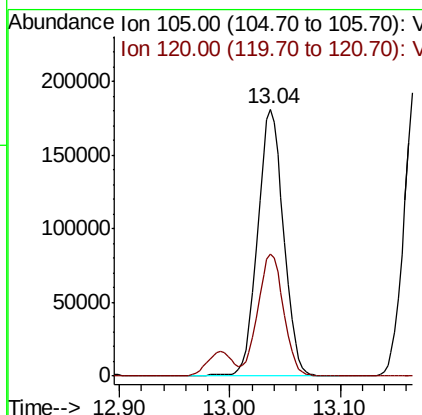
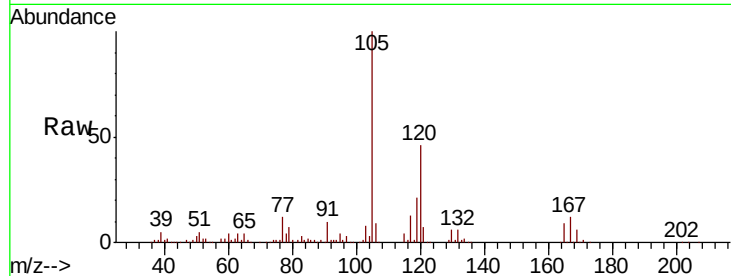




#80
1,2,4-Trimethylbenzene
Concen: 18.696 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

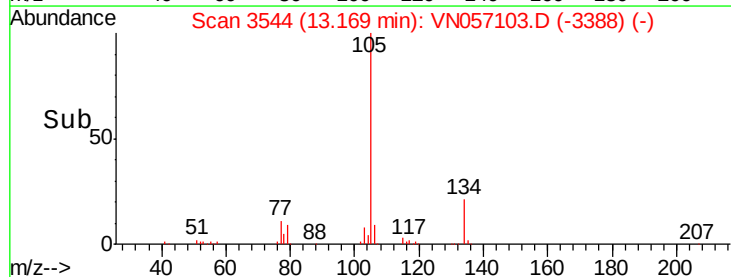
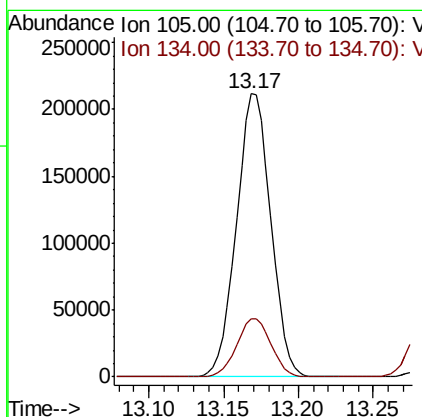
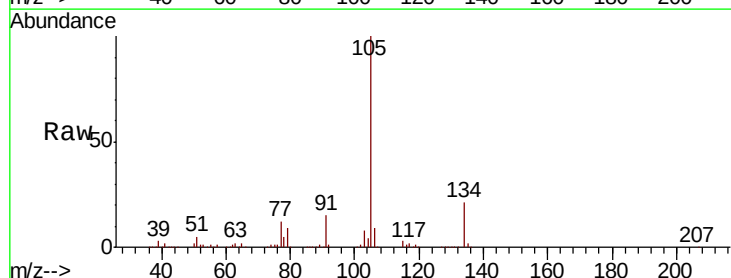
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

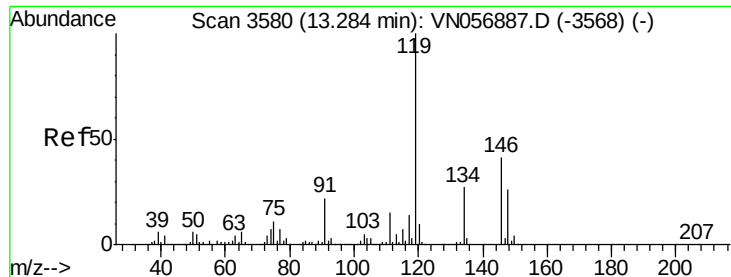
Tgt Ion:105 Resp: 294846
Ion Ratio Lower Upper
105 100
120 45.7 0.0 90.6



#81
sec-Butylbenzene
Concen: 18.559 ug/l
RT: 13.17 min Scan# 3544
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:105 Resp: 338250
Ion Ratio Lower Upper
105 100
134 20.6 0.0 41.2

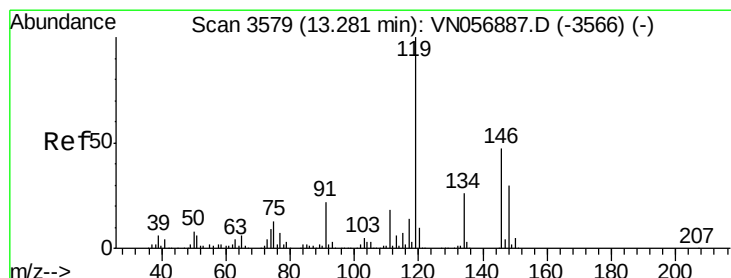
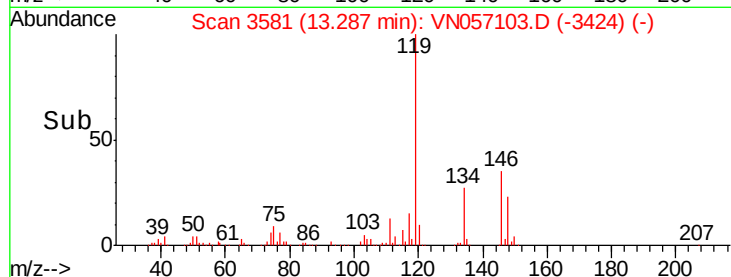
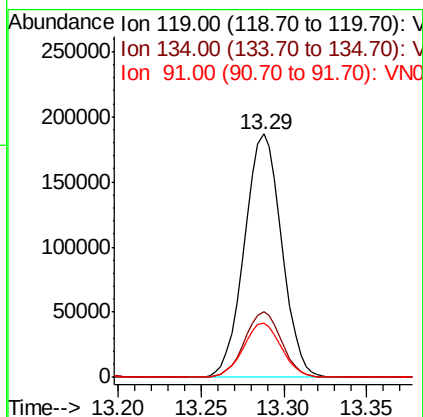
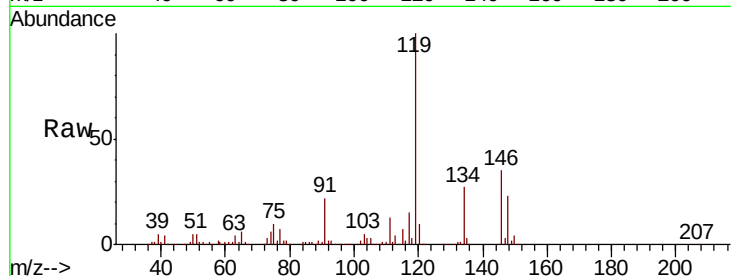




#82
 p-Isopropyltoluene
 Concen: 17.758 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

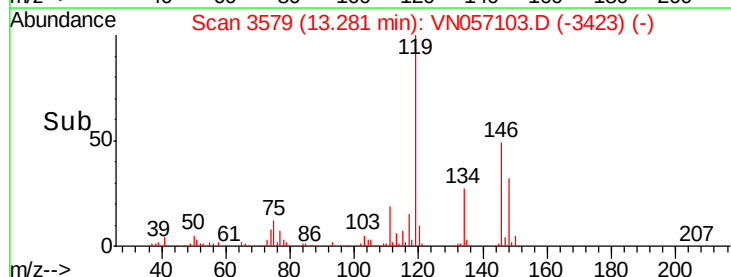
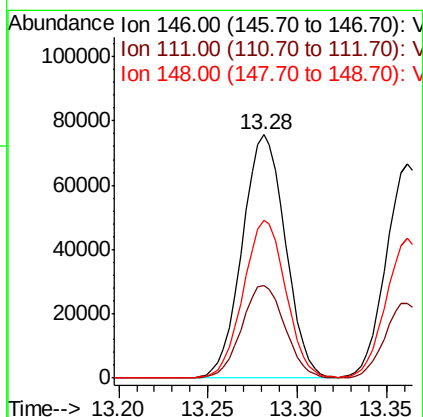
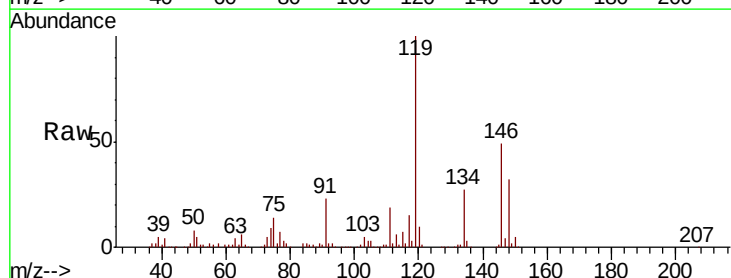
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

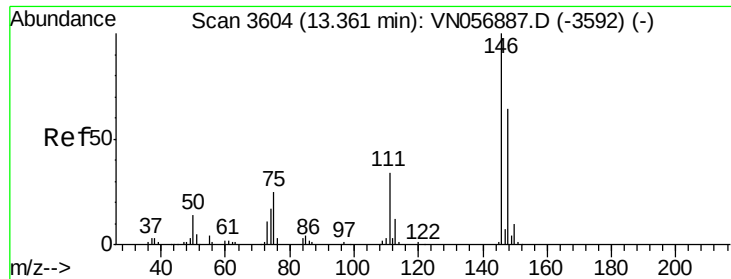
Tgt Ion:119 Resp: 290677
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.2
 91 22.7 0.0 44.0



#83
 1,3-Dichlorobenzene
 Concen: 16.364 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion:146 Resp: 127761
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 64.1 31.7 95.1

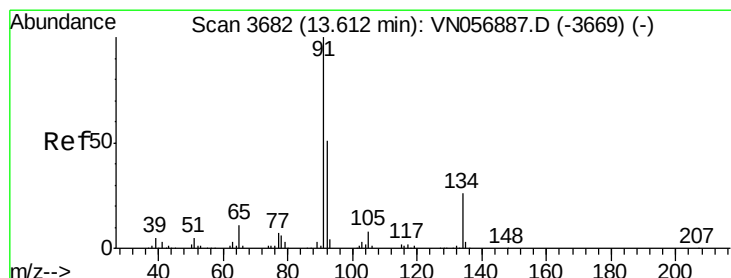
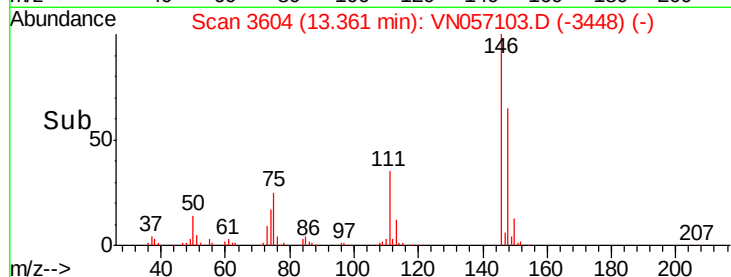
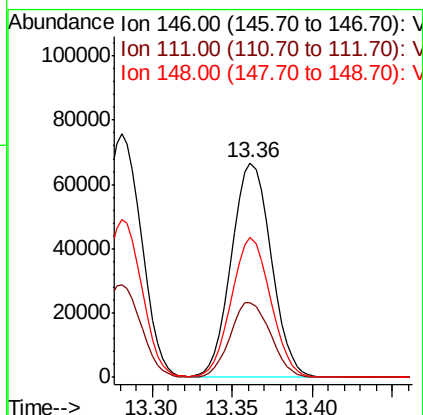
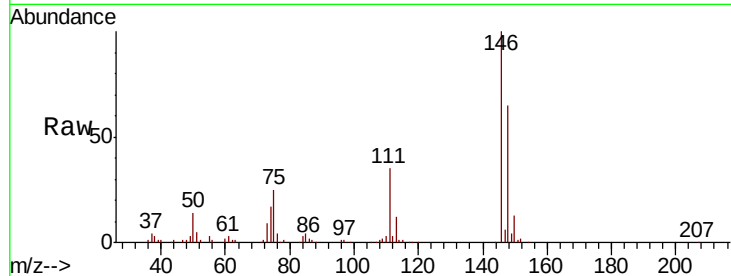




#84
 1,4-Dichlorobenzene
 Concen: 15.362 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

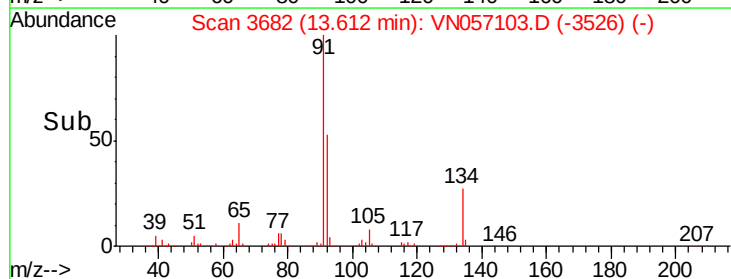
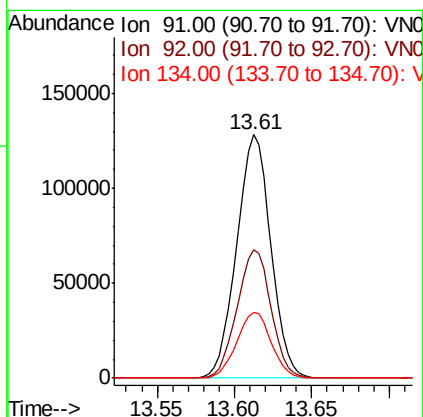
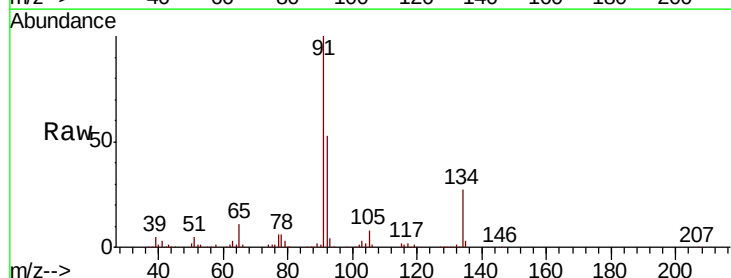
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

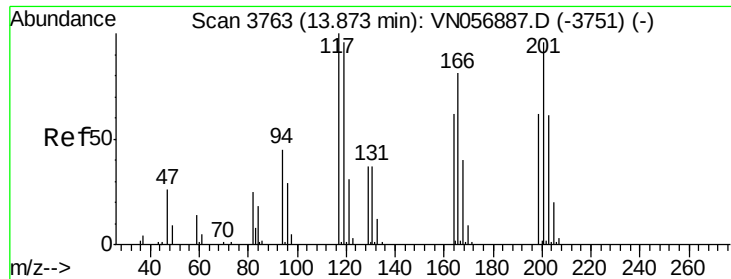
Tgt Ion:146 Resp: 113397
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.8 53.5
 148 64.2 32.6 97.7



#85
 n-Butylbenzene
 Concen: 15.314 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 91 Resp: 196829
 Ion Ratio Lower Upper
 91 100
 92 52.2 0.0 101.8
 134 27.2 0.0 52.4





#86

Hexachloroethane

Concen: 18.566 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

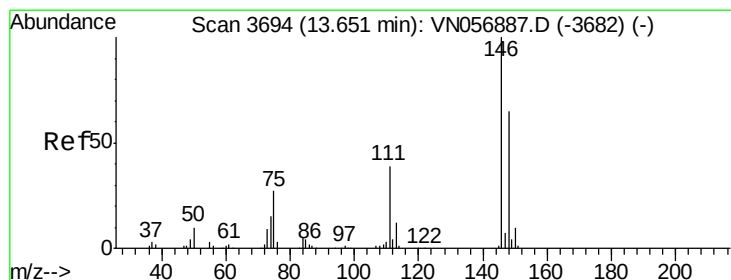
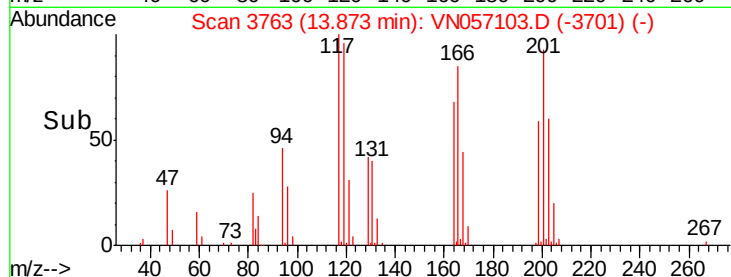
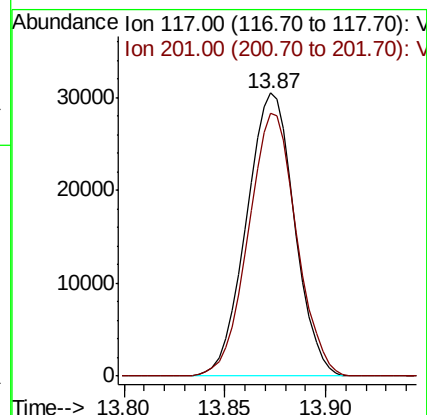
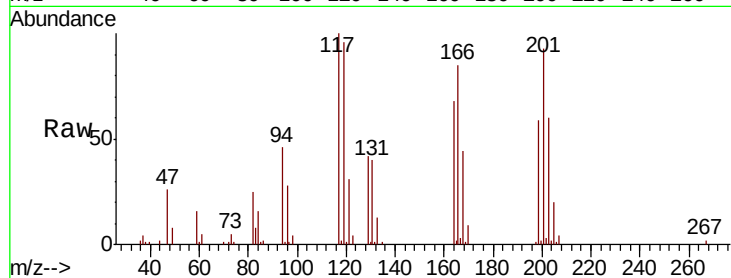
VSTDCCC020

Tgt Ion:117 Resp: 50858

Ion Ratio Lower Upper

117 100

201 93.1 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 16.798 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

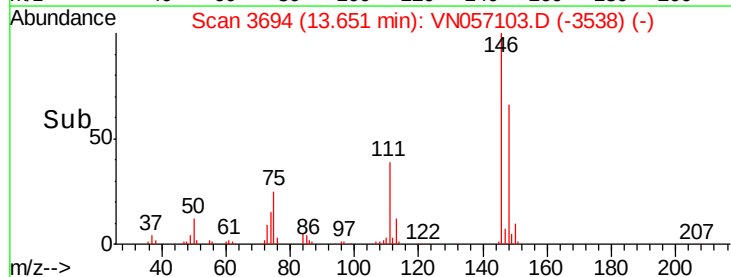
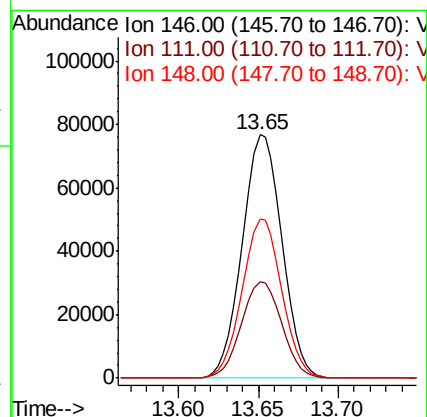
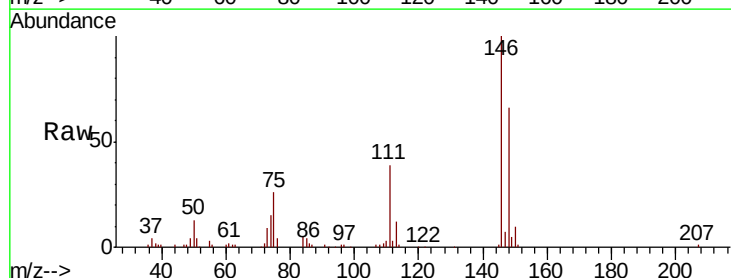
Tgt Ion:146 Resp: 130263

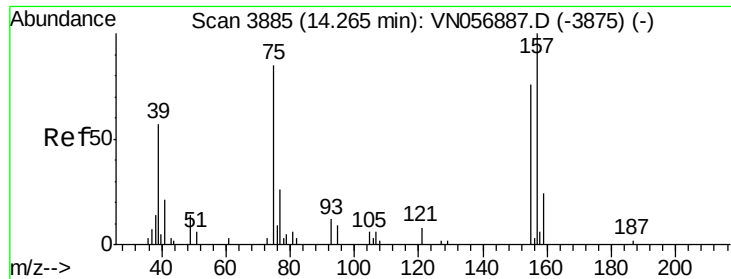
Ion Ratio Lower Upper

146 100

111 39.9 19.6 58.8

148 65.0 32.5 97.5

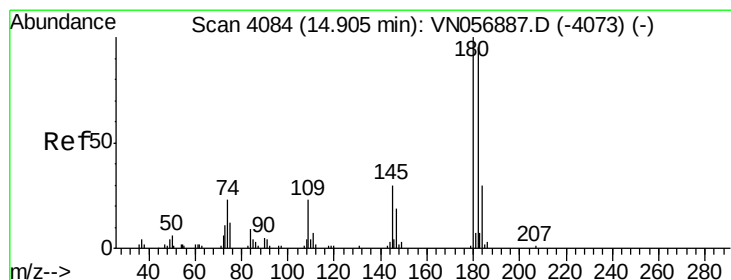
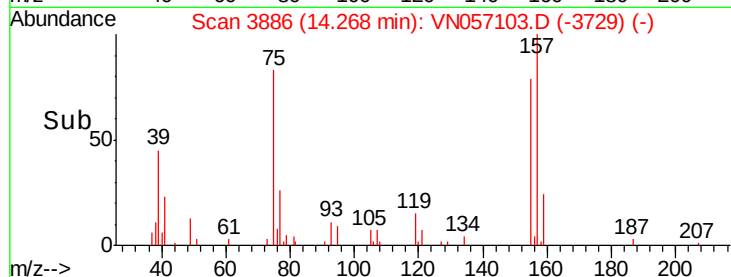
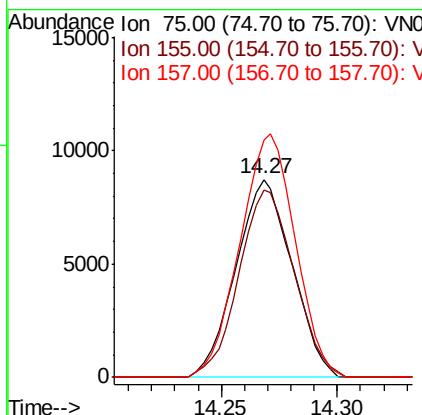
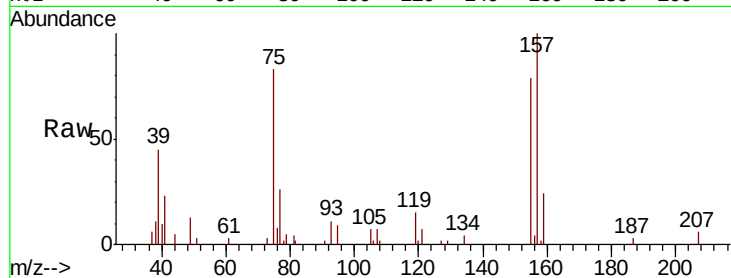




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.617 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

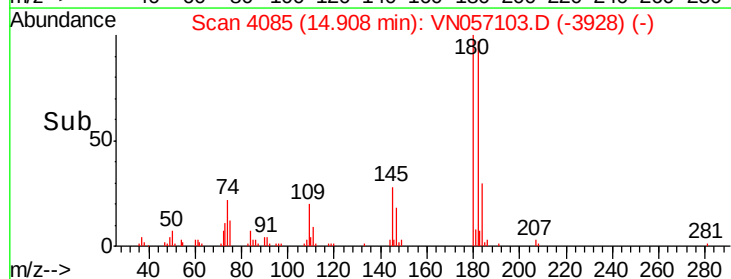
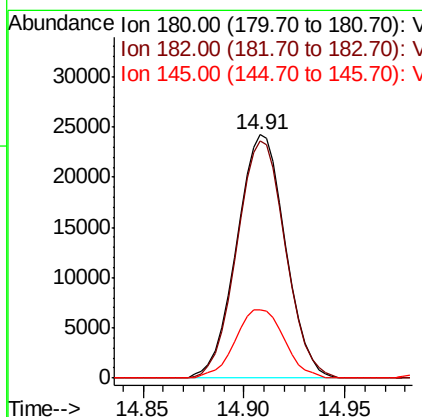
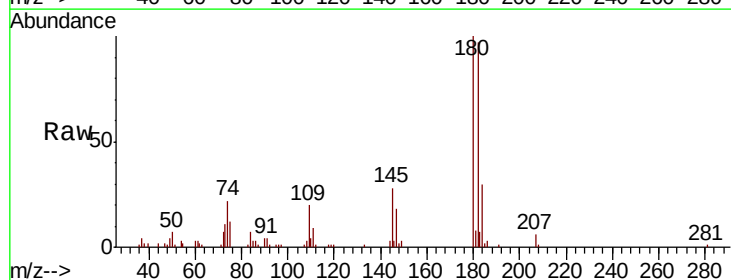
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

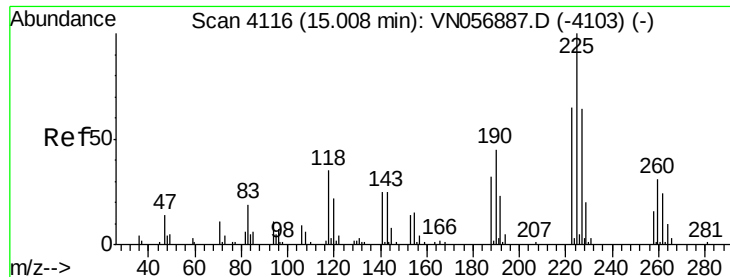
Tgt Ion: 75 Resp: 14669
 Ion Ratio Lower Upper
 75 100
 155 93.1 73.4 110.2
 157 121.2 95.0 142.6



#89
 1,2,4-Trichlorobenzene
 Concen: 15.665 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 180 Resp: 40866
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.0 115.4
 145 28.4 23.5 35.3





#90

Hexachlorobutadiene

Concen: 17.725 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

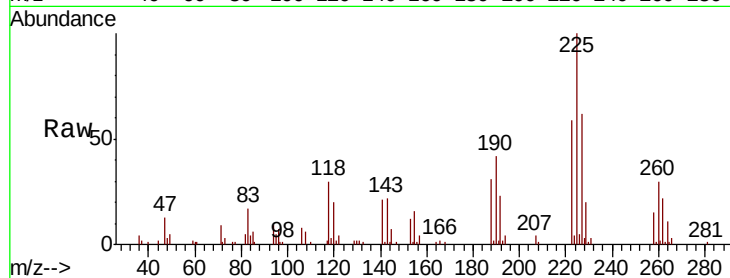
Tgt Ion: 225 Resp: 50524

Ion Ratio Lower Upper

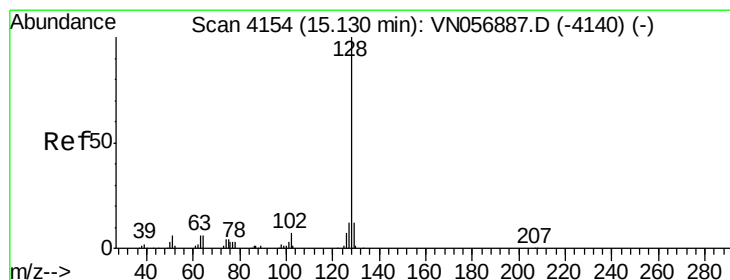
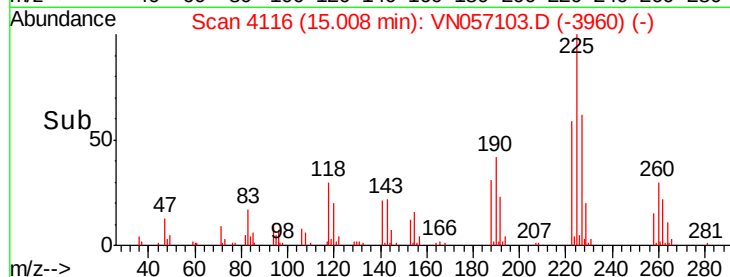
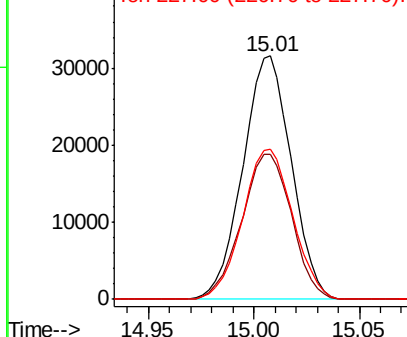
225 100

223 61.2 0.0 130.0

227 63.6 0.0 127.2



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: 15.120 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

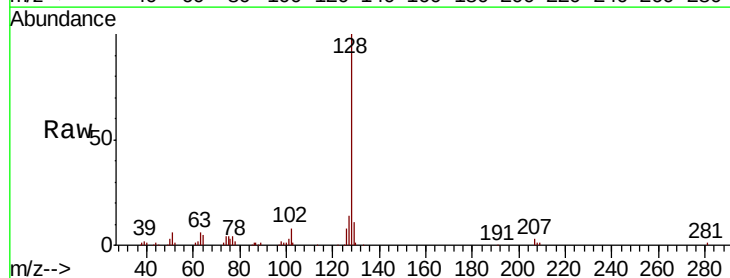
Tgt Ion: 128 Resp: 101974

Ion Ratio Lower Upper

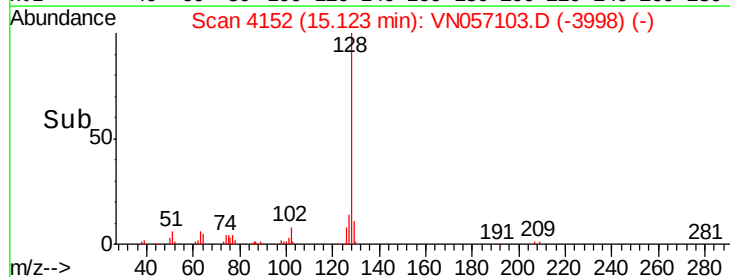
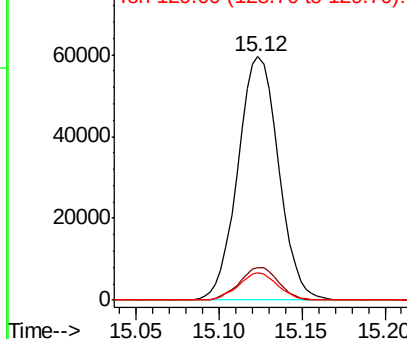
128 100

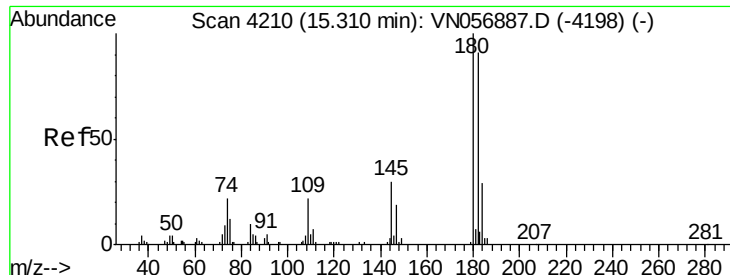
127 12.9 10.0 15.0

129 10.7 8.9 13.3



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

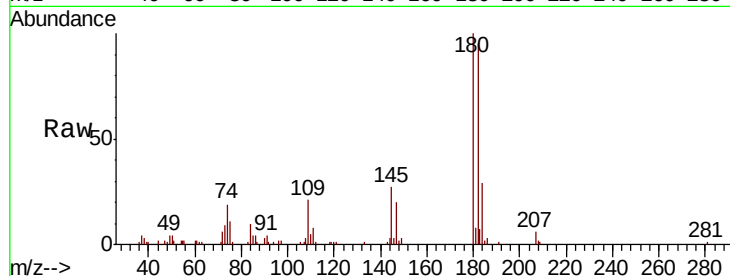




#92
 1,2,3-Trichlorobenzene
 Concen: 12.206 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	0.0	188.0
145	29.9	0.0	61.0



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

