

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057109.D
 Acq On : 6 Aug 2019 17:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 07 02:17:55 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	74110	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	397740	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	344193	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	145669	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	146928	28.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.93%
63) Toluene-d8	10.09	98	482896	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	95824	21.626 ug/l	96
3) Chloromethane	2.05	50	104492	19.326 ug/l	99
4) Vinyl Chloride	2.18	62	100369	19.253 ug/l	98
5) Bromomethane	2.55	94	58043	18.134 ug/l	98
6) Chloroethane	2.69	64	54182	18.738 ug/l	99
7) Trichlorofluoromethane	3.00	101	141304	22.258 ug/l	100
8) Diethyl Ether	3.40	74	51932	21.954 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84272	21.138 ug/l	97
10) 1,1-Dichloroethene	3.73	96	81982	20.721 ug/l	99
11) Methyl Iodide	3.94	142	83274	14.227 ug/l	99
12) Methyl Acetate	4.31	43	83865	17.320 ug/l	95
13) Acrolein	3.59	56	61930	113.011 ug/l	98
14) Acrylonitrile	4.97	53	179913	96.345 ug/l	97
15) Acetone	3.81	58	49265	102.045 ug/l	93
16) Carbon Disulfide	4.04	76	210911	19.770 ug/l	99
17) Allyl chloride	4.31	41	114534	17.299 ug/l	96
18) Methylene Chloride	4.54	84	95237	20.681 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	86414	20.638 ug/l	95
20) Diisopropyl ether	5.94	45	265434	19.746 ug/l	97
21) 1,1-Dichloroethane	5.83	63	158622	20.305 ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	102569	21.136 ug/l	97
23) tert-Butyl Alcohol	4.77	59	54422	87.330 ug/l	# 100
24) Methyl tert-Butyl Ether	5.03	73	246443	20.603 ug/l	98
25) Chloroform	7.36	83	161005	21.127 ug/l	100
26) Cyclohexane	7.64	56	141294	19.689 ug/l	# 97
29) 1,1-Dichloropropene	7.78	75	117161	20.757 ug/l	98
30) 2-Butanone	6.83	43	219818	96.936 ug/l	98
31) 2,2-Dichloropropane	6.81	77	118989	22.717 ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	134223	21.643 ug/l	99
33) Carbon Tetrachloride	7.76	117	116668	21.554 ug/l	99
34) Benzene	8.03	78	364689	20.506 ug/l	97
35) Methacrylonitrile	7.16	41	41001	18.105 ug/l	97
36) 1,2-Dichloroethane	8.12	62	115743	20.935 ug/l	98
37) Trichloroethene	8.83	130	100800	21.141 ug/l	96
38) Methylcyclohexane	9.07	83	149492	20.821 ug/l	97
39) 1,2-Dichloropropane	9.11	63	94237	19.851 ug/l	96
40) Dibromomethane	9.20	93	61493	21.116 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	116775	20.868	ug/l	99
42) Vinyl Acetate	5.88	43	1001103	99.132	ug/l	98
43) Ethyl Acetate	6.92	43	92279	19.850	ug/l	94
44) Isopropyl Acetate	8.16	43	162472	20.967	ug/l	# 85
45) 1,4-Dioxane	9.19	88	27572	373.757	ug/l	96
46) Methyl methacrylate	9.19	41	74742	19.334	ug/l	93
47) n-amyl Acetate	12.07	43	115077	18.551	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	120544	20.701	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	138835	20.459	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	87217	20.859	ug/l	99
51) Ethyl methacrylate	10.42	69	121897	20.156	ug/l	98
52) 1,3-Dichloropropane	10.70	76	145039	20.554	ug/l	99
53) Dibromochloromethane	10.90	129	91212	20.987	ug/l	99
54) 1,2-Dibromoethane	11.00	107	90204	21.147	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	182208	69.566	ug/l	97
56) Bromoform	12.12	173	62250	20.701	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	454671	98.437	ug/l	97
59) 2-Hexanone	10.75	43	310043	98.507	ug/l	98
61) Tetrachloroethene	10.63	164	98993	20.522	ug/l	99
62) Toluene	10.15	91	393755	21.034	ug/l	100
64) Chlorobenzene	11.43	112	237564	21.068	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.50	131	90892	21.282	ug/l	98
66) Ethyl Benzene	11.51	91	411159	20.843	ug/l	97
67) m/p-Xylenes	11.62	106	310234	42.175	ug/l	100
68) o-Xylene	11.94	106	152122	21.034	ug/l	100
69) Styrene	11.96	104	239060	20.398	ug/l	99
70) Isopropylbenzene	12.25	105	407355	21.391	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	113905	21.356	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	130523	27.813	ug/l	65
73) Bromobenzene	12.52	156	102160	20.790	ug/l	98
74) n-propylbenzene	12.59	91	420780	20.209	ug/l	99
75) 2-Chlorotoluene	12.67	91	262187	20.770	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	337270	21.038	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	28411	19.282	ug/l	98
78) 4-Chlorotoluene	12.77	91	241428	20.120	ug/l	99
79) tert-butylbenzene	12.99	119	302782	21.887	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	320583	20.513	ug/l	97
81) sec-Butylbenzene	13.17	105	376362	20.838	ug/l	99
82) p-Isopropyltoluene	13.29	119	337735	20.821	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	147074	19.010	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	136914	18.716	ug/l	98
85) n-Butylbenzene	13.61	91	233607	18.341	ug/l	98
86) Hexachloroethane	13.87	117	56269	20.728	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	153029	19.913	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.26	75	14897	18.054	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	48229	17.127	ug/l	98
90) Hexachlorobutadiene	15.00	225	62616	22.167	ug/l	99
91) Naphthalene	15.12	128	116677	16.269	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	56190	13.831	ug/l	97

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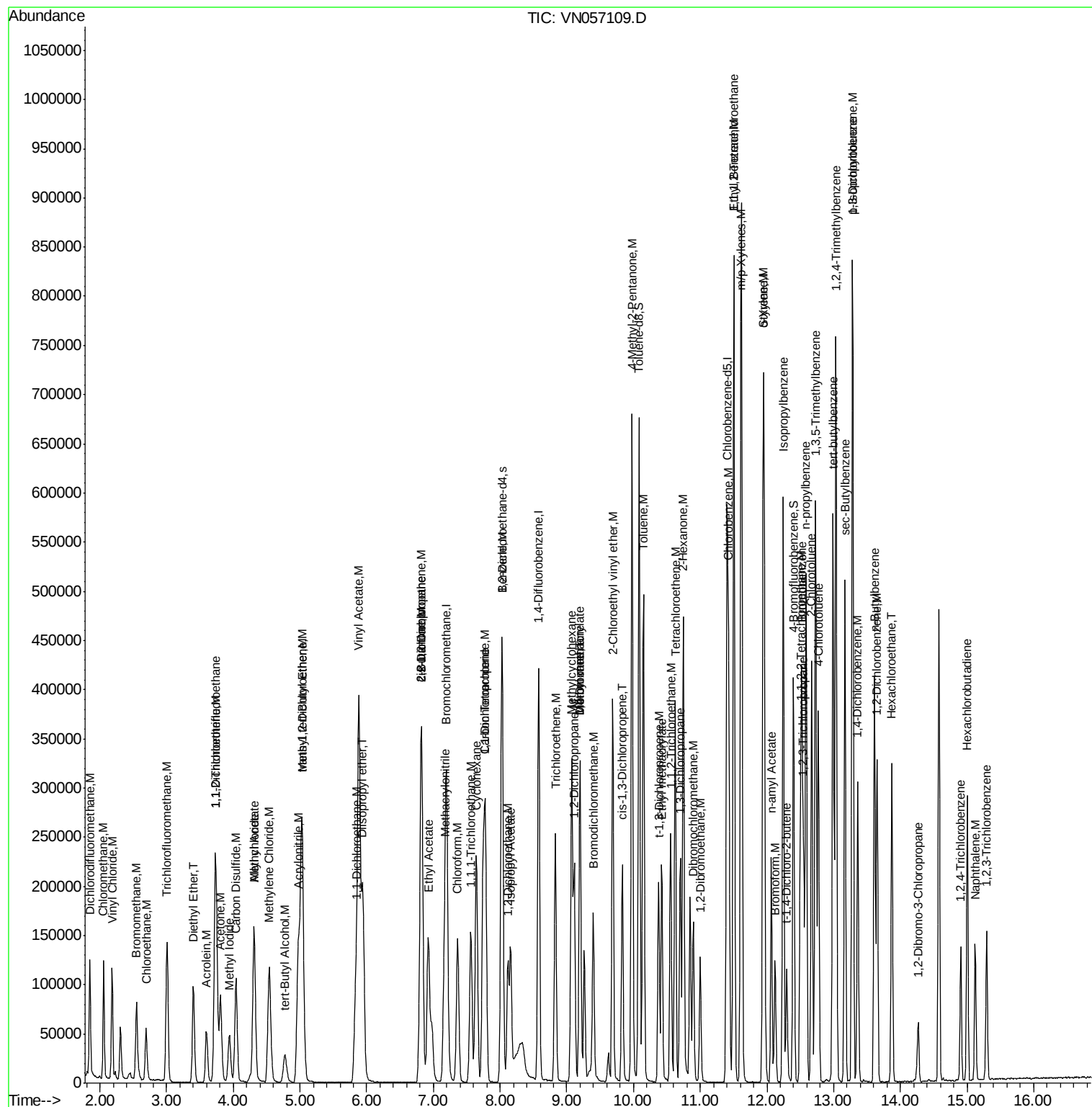
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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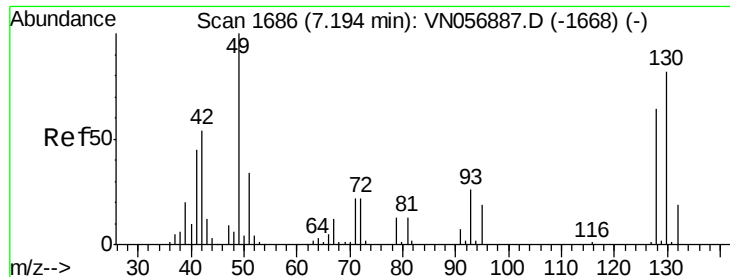
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 02:17:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

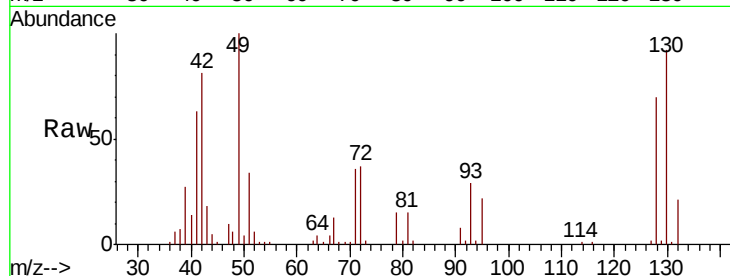
Tgt Ion:128 Resp: 74110

Ion Ratio Lower Upper

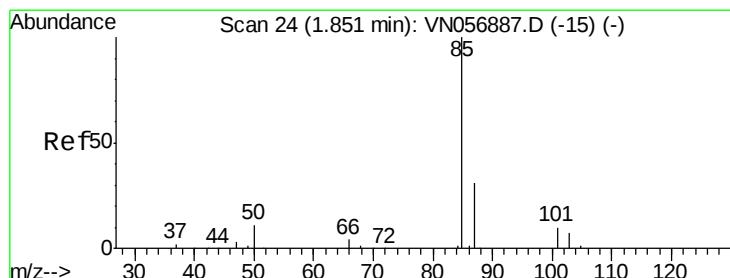
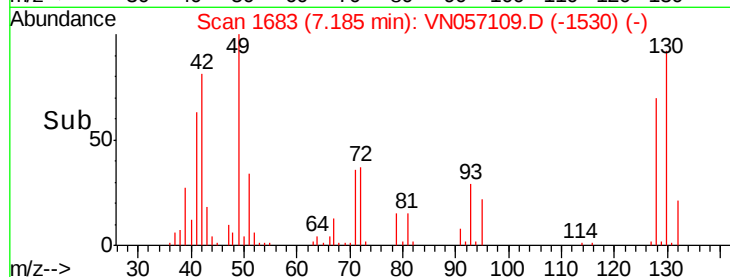
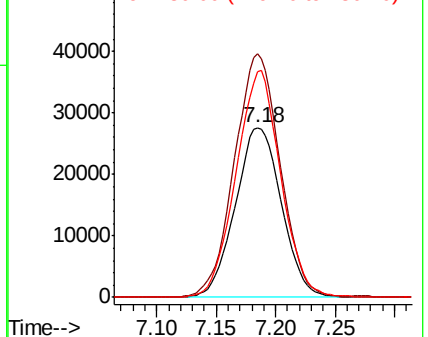
128 100

49 142.3 0.0 385.8

130 129.6 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.626 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057109.D

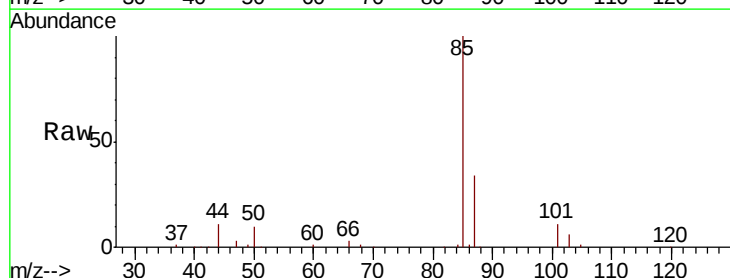
Acq: 6 Aug 2019 17:35

Tgt Ion: 85 Resp: 95824

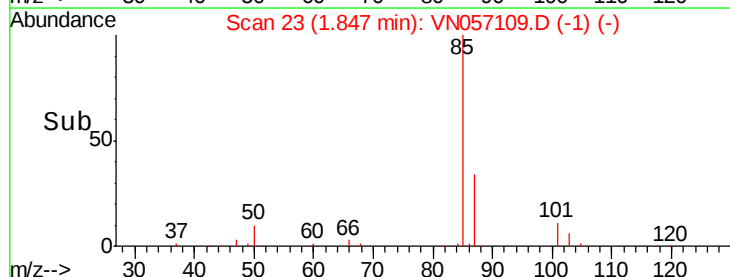
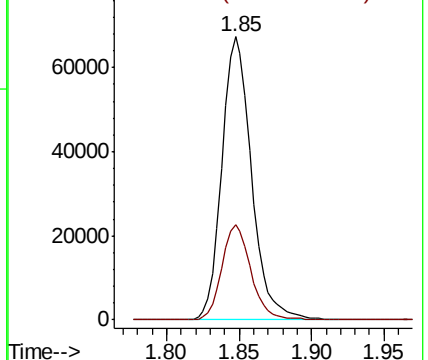
Ion Ratio Lower Upper

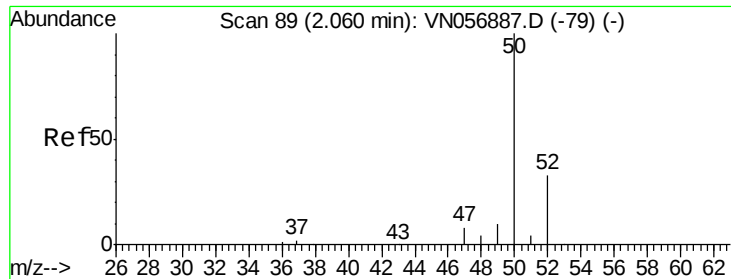
85 100

87 33.5 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN

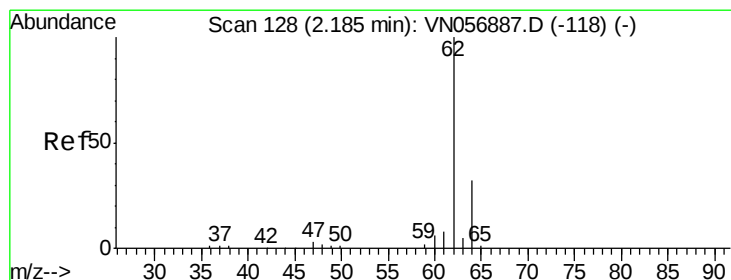
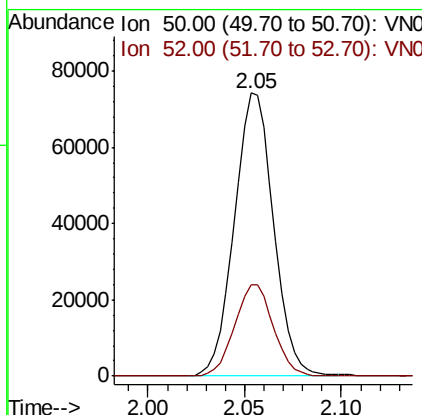
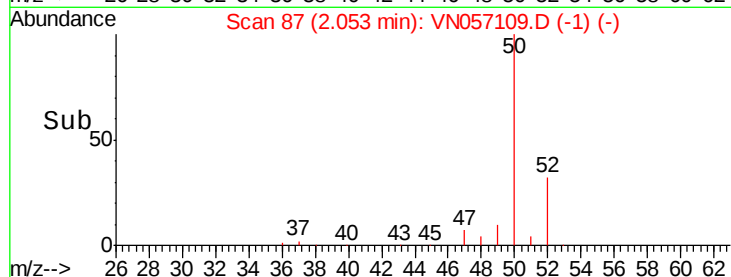
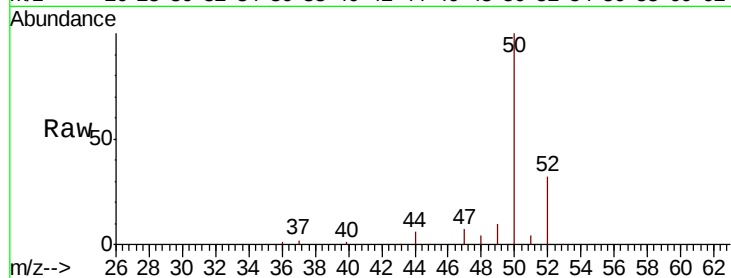




#3
Chloromethane
Concen: 19.326 ug/l
RT: 2.05 min Scan# 87
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

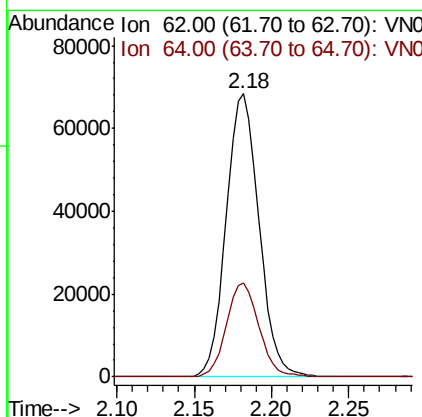
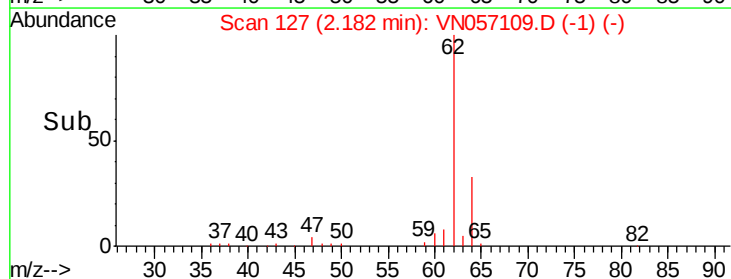
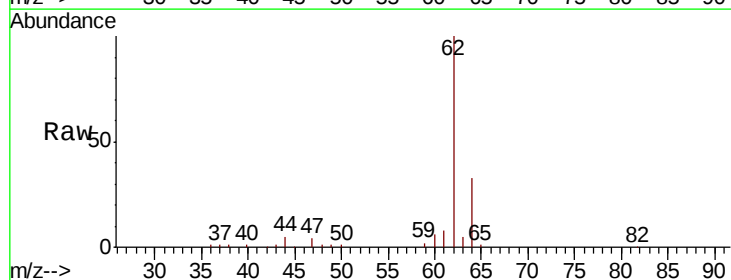
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

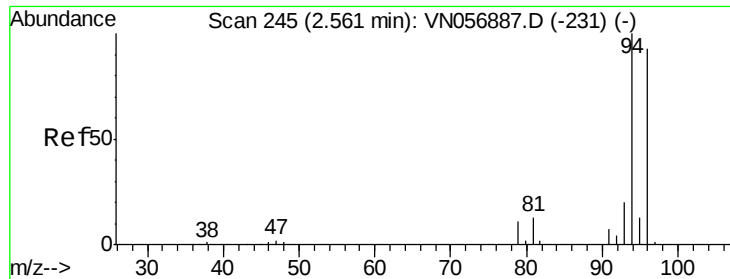
Tgt Ion: 50 Resp: 104492
Ion Ratio Lower Upper
50 100
52 32.3 26.2 39.2



#4
Vinyl Chloride
Concen: 19.253 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 62 Resp: 100369
Ion Ratio Lower Upper
62 100
64 33.1 25.4 38.0





#5

Bromomethane

Concen: 18.134 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

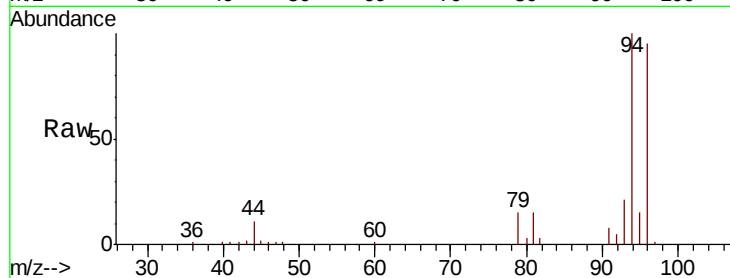
VSTDCCC020EC

Tgt Ion: 94 Resp: 58043

Ion Ratio Lower Upper

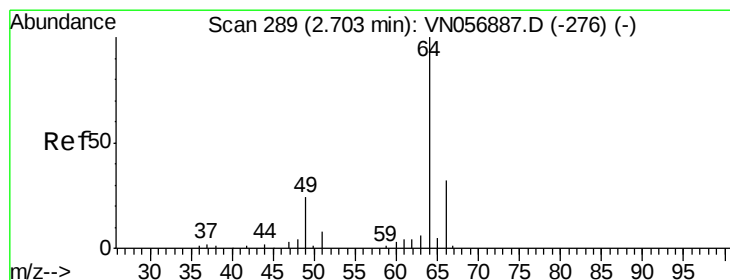
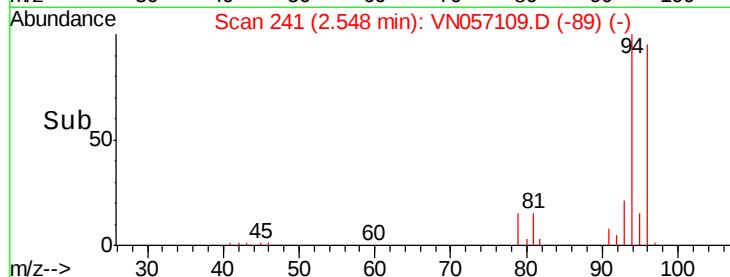
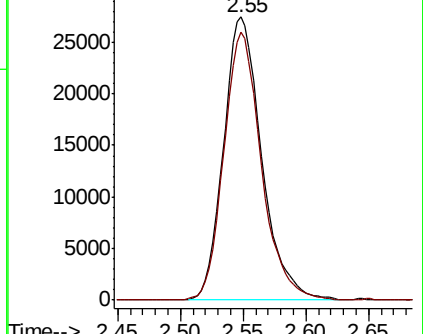
94 100

96 94.9 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.738 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN057109.D

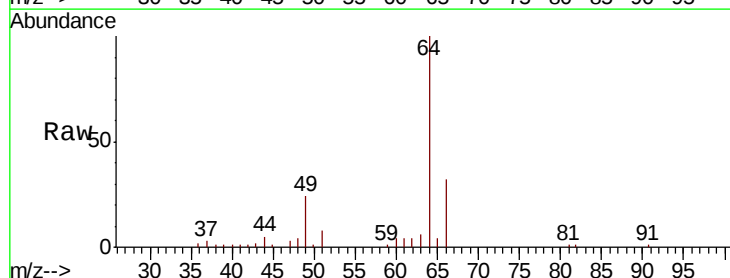
Acq: 6 Aug 2019 17:35

Tgt Ion: 64 Resp: 54182

Ion Ratio Lower Upper

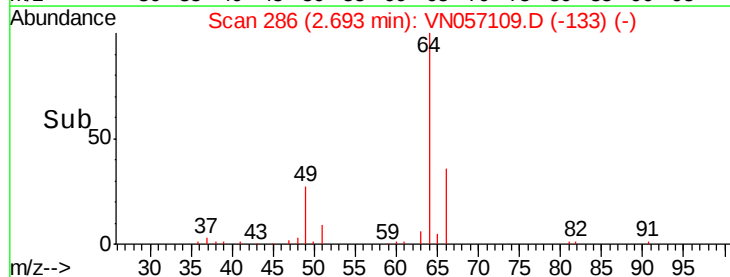
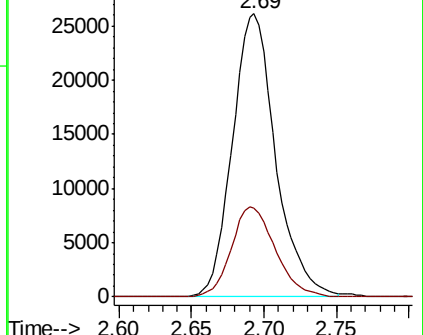
64 100

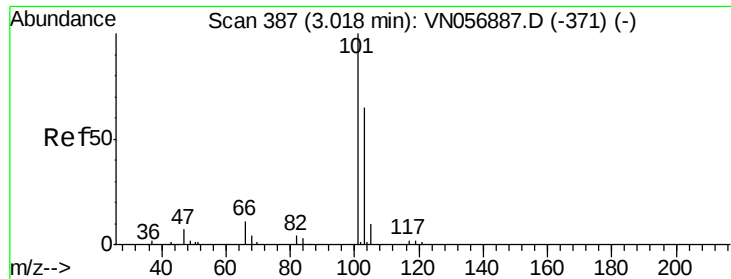
66 31.6 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



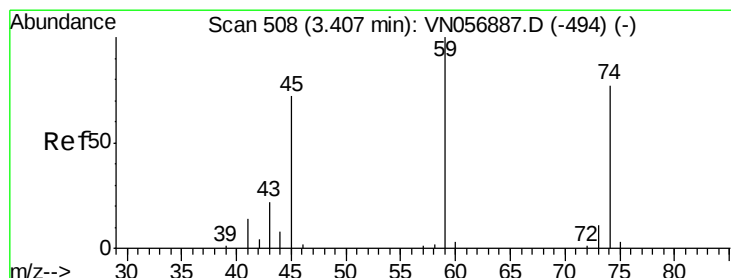
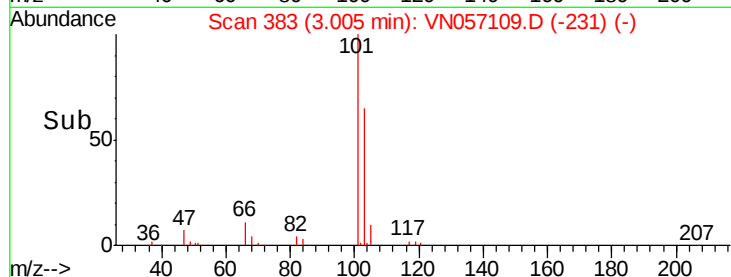
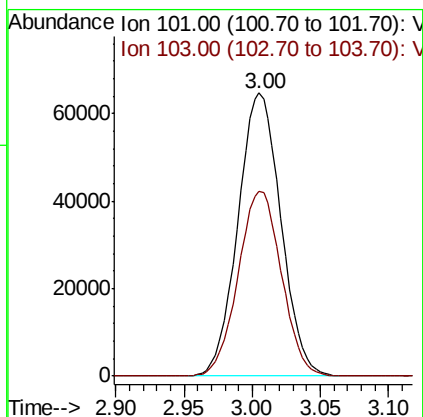
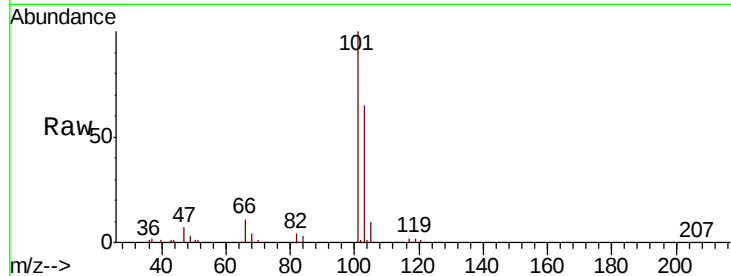


#7

Trichlorofluoromethane
Concen: 22.258 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
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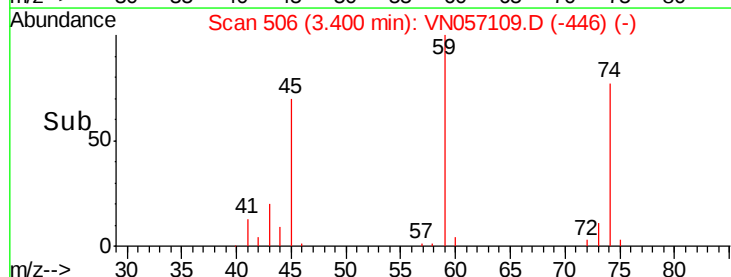
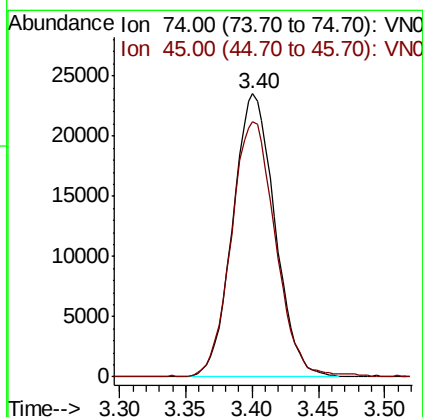
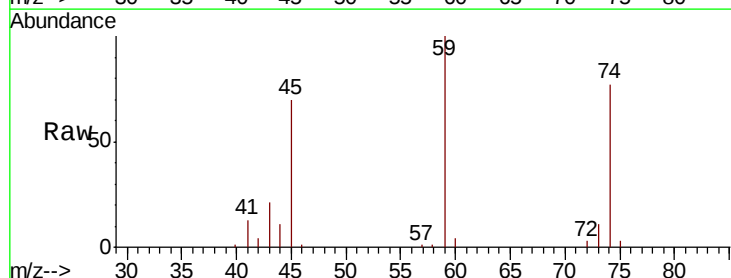
Tgt Ion:101 Resp: 141304
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4

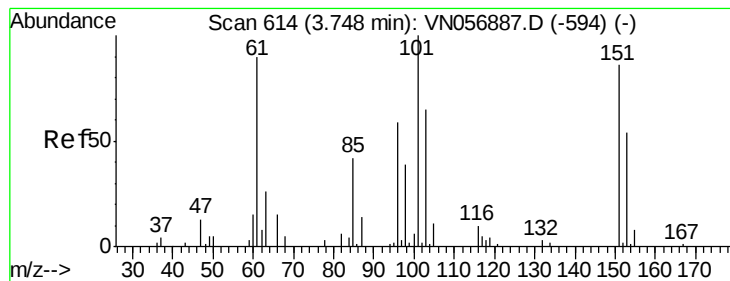


#8

Diethyl Ether
Concen: 21.954 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 74 Resp: 51932
Ion Ratio Lower Upper
74 100
45 94.2 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.138 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

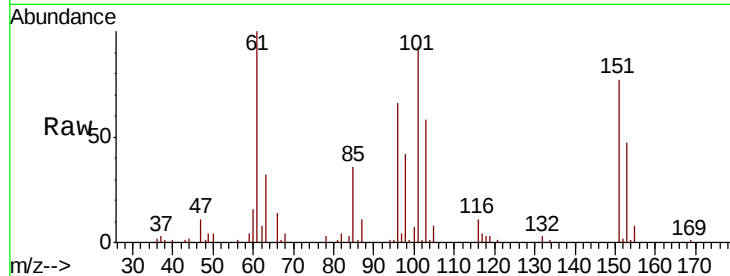
Tgt Ion: 101 Resp: 84272

Ion Ratio Lower Upper

101 100

85 40.0 0.0 85.0

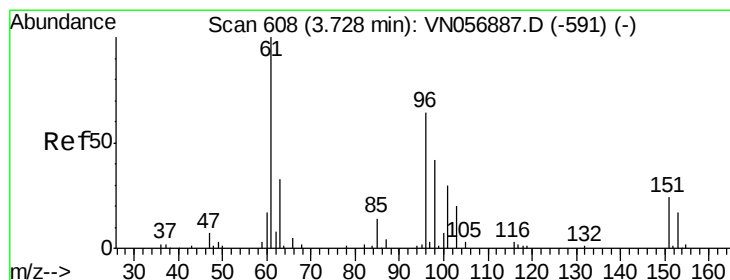
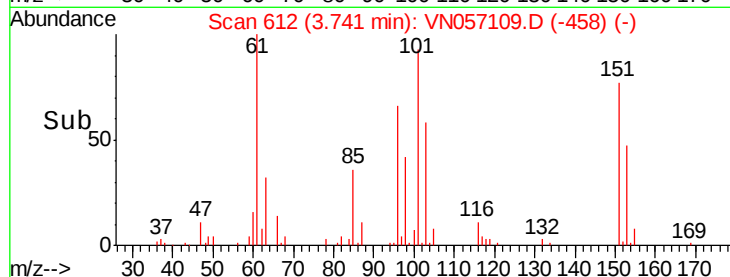
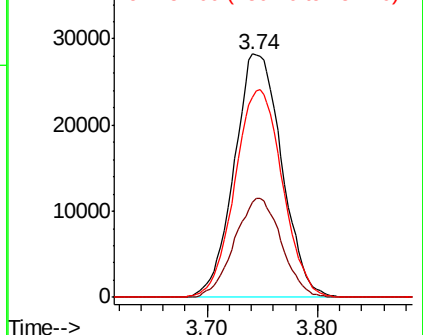
151 85.5 0.0 167.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.721 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

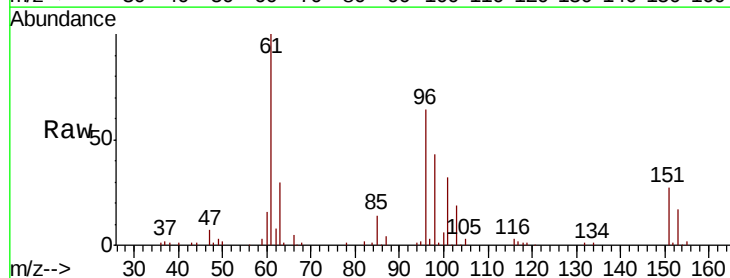
Tgt Ion: 96 Resp: 81982

Ion Ratio Lower Upper

96 100

61 155.8 125.8 188.8

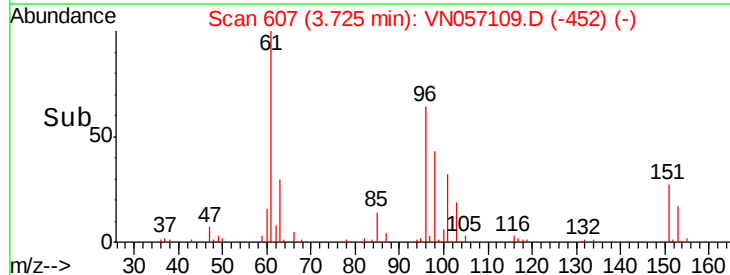
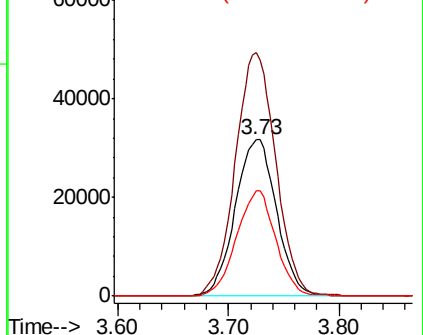
98 67.2 52.7 79.1

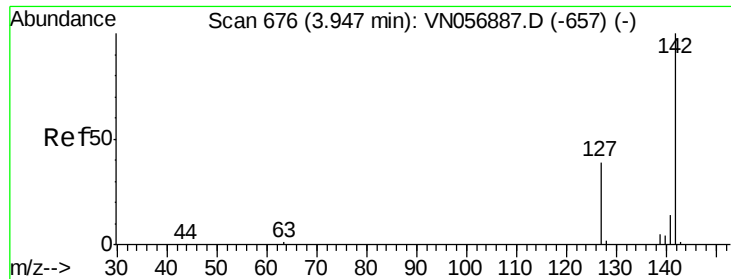


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

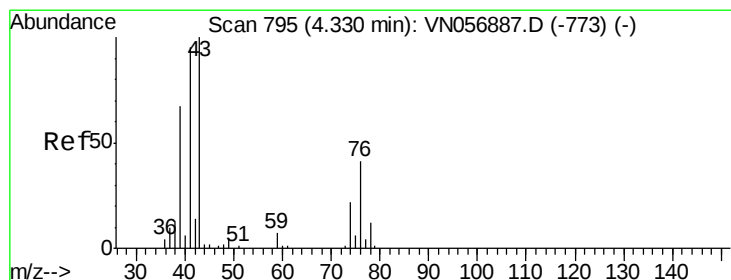
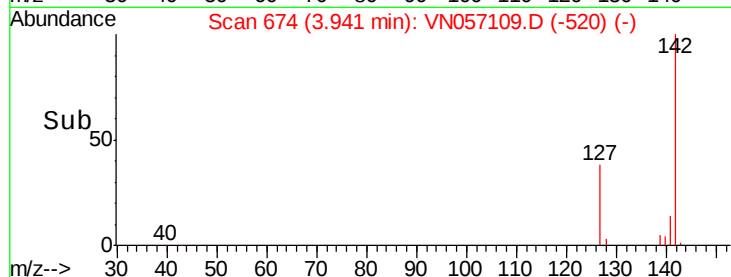
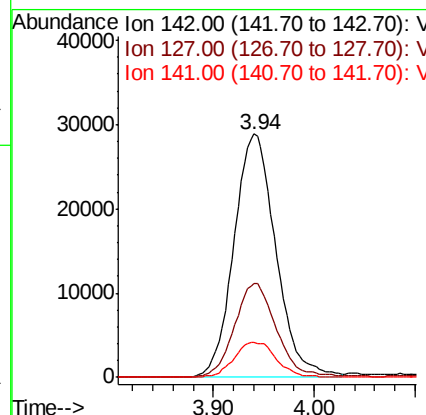
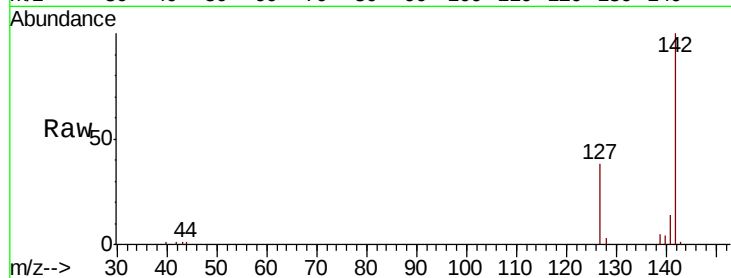




#11
Methyl Iodide
Concen: 14.227 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

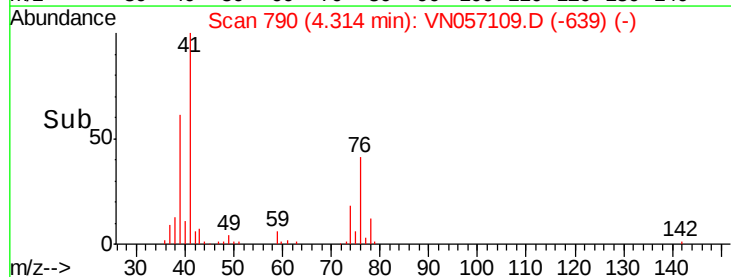
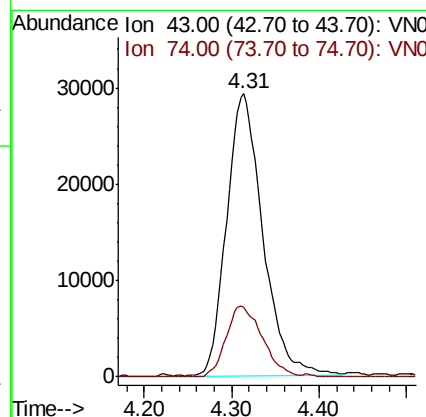
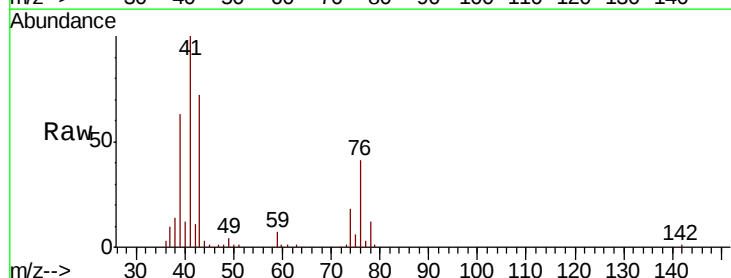
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

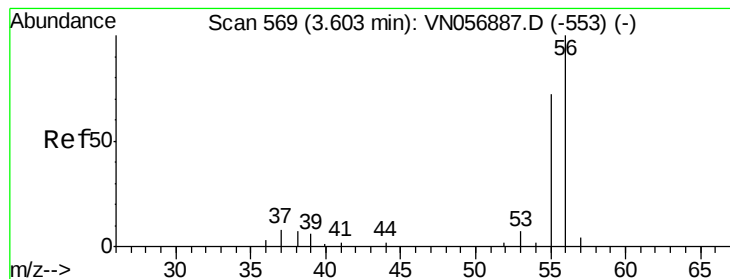
Tgt Ion: 142 Resp: 83274
Ion Ratio Lower Upper
142 100
127 38.3 19.6 58.8
141 14.2 7.2 21.6



#12
Methyl Acetate
Concen: 17.320 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 43 Resp: 83865
Ion Ratio Lower Upper
43 100
74 24.9 18.1 27.1





#13

Acrolein

Concen: 113.011 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

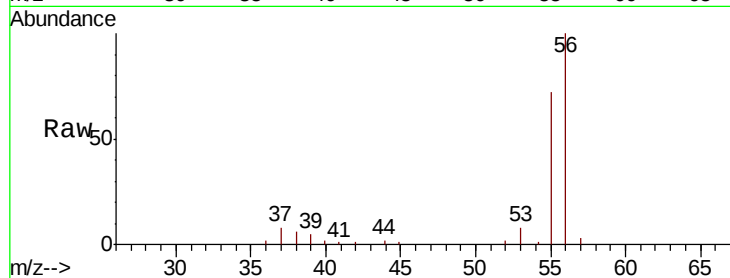
VSTDCCC020EC

Tgt Ion: 56 Resp: 61930

Ion Ratio Lower Upper

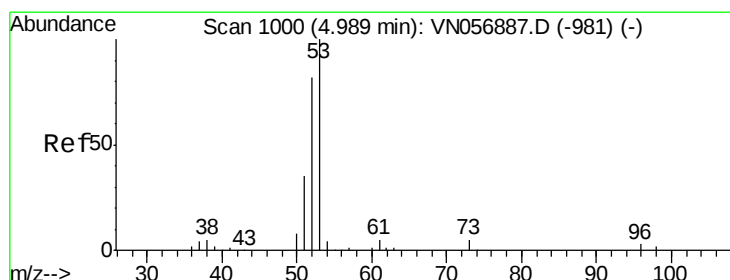
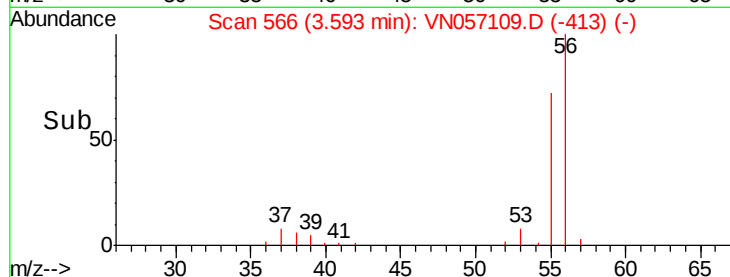
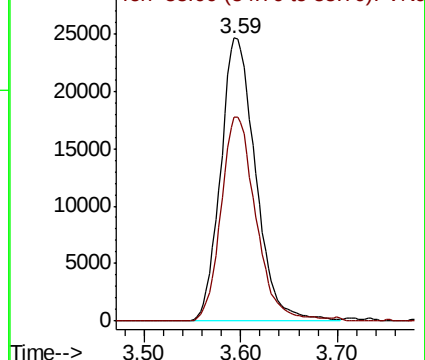
56 100

55 71.3 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.345 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.02 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

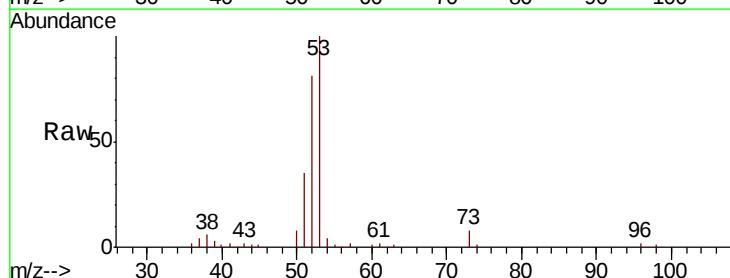
Tgt Ion: 53 Resp: 179913

Ion Ratio Lower Upper

53 100

52 84.3 40.8 122.5

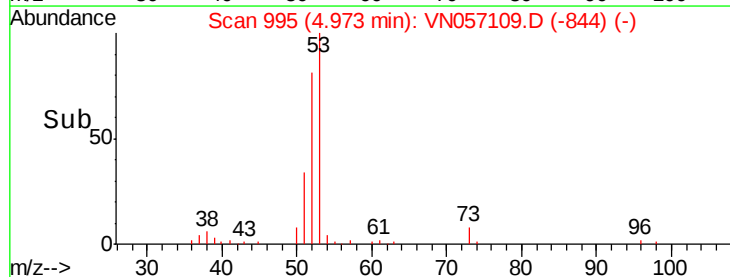
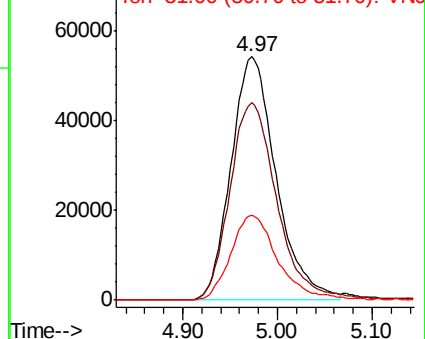
51 36.5 17.4 52.2

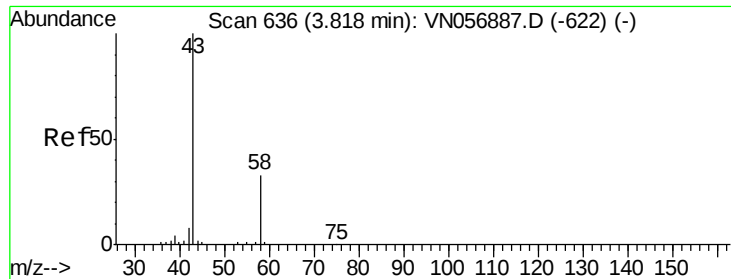


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.045 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

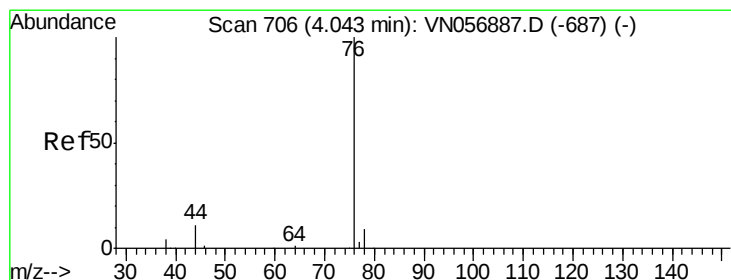
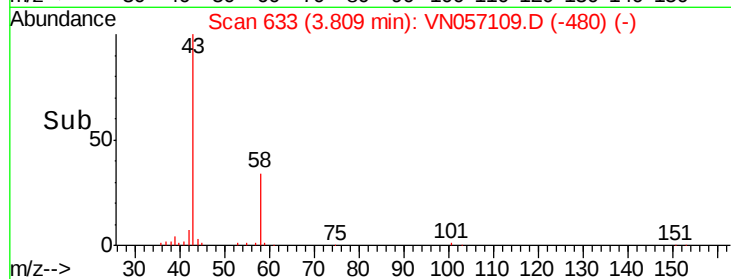
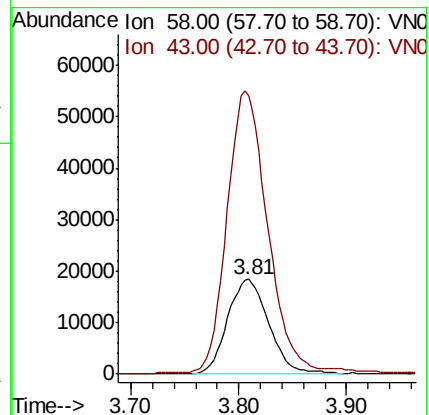
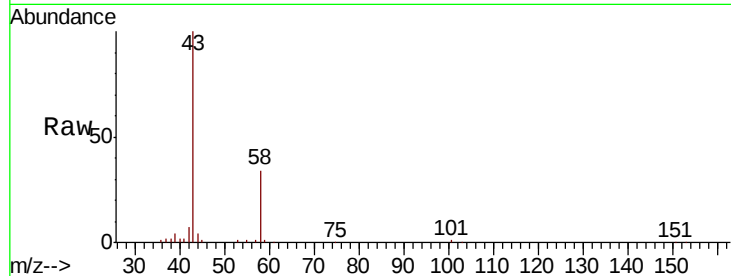
VSTDCCC020EC

Tgt Ion: 58 Resp: 49265

Ion Ratio Lower Upper

58 100

43 290.0 242.4 363.6



#16

Carbon Disulfide

Concen: 19.770 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057109.D

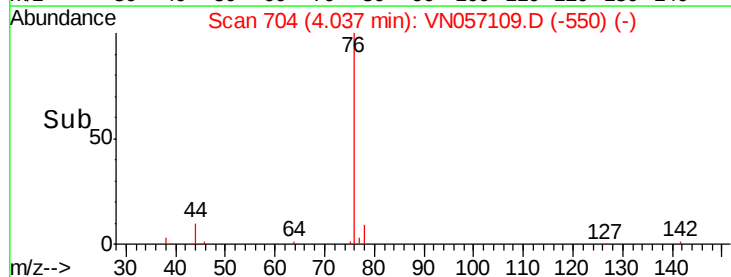
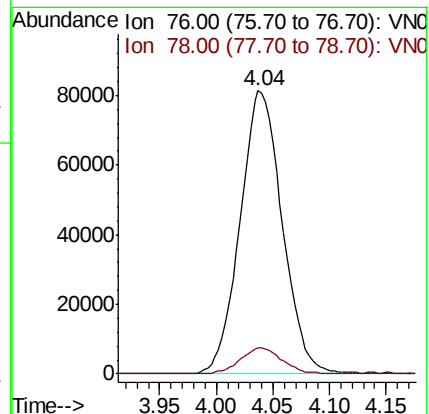
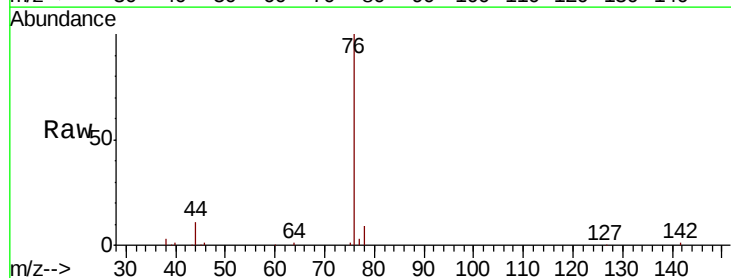
Acq: 6 Aug 2019 17:35

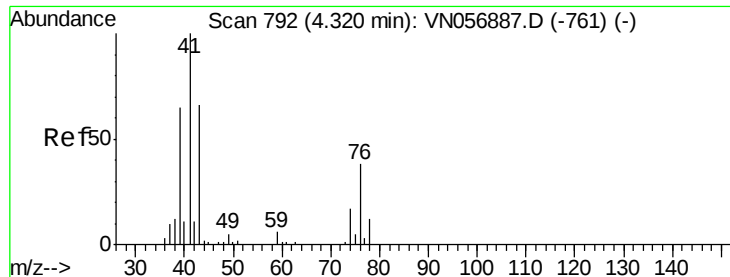
Tgt Ion: 76 Resp: 210911

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

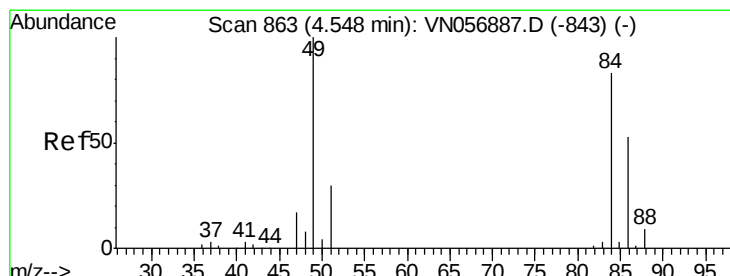
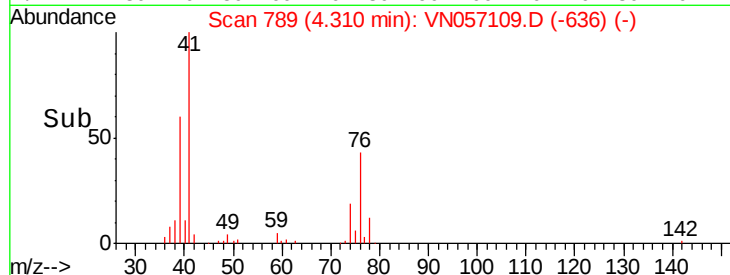
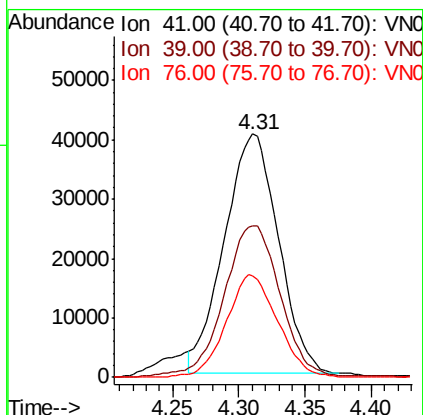
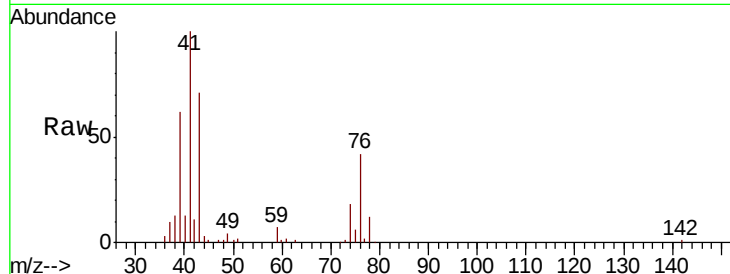




#17
 Allyl chloride
 Concen: 17.299 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

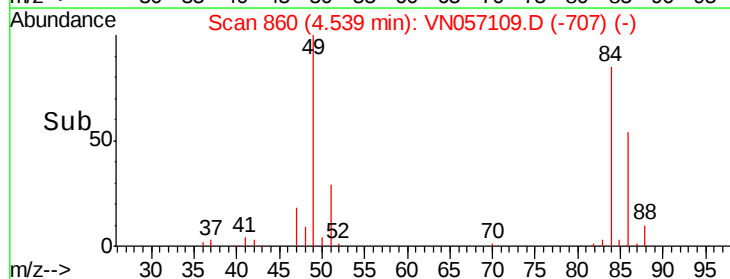
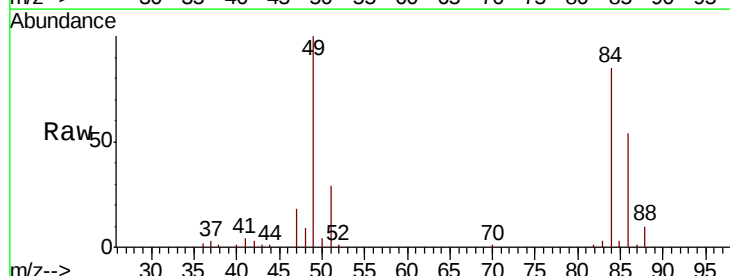
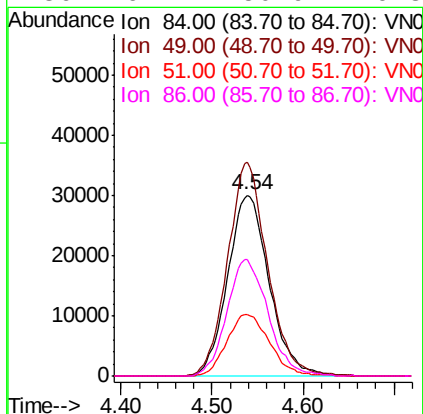
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

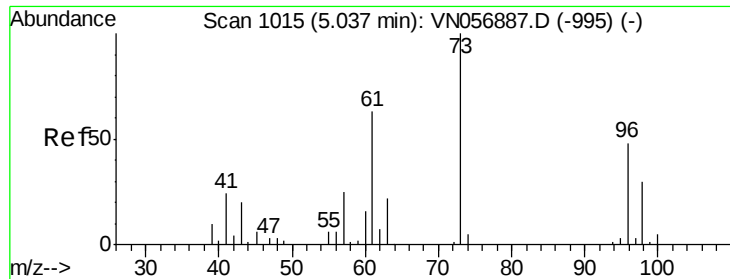
Tgt Ion: 41 Resp: 114534
 Ion Ratio Lower Upper
 41 100
 39 62.7 32.4 97.0
 76 42.2 19.0 57.0



#18
 Methylene Chloride
 Concen: 20.681 ug/l
 RT: 4.54 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 84 Resp: 95237
 Ion Ratio Lower Upper
 84 100
 49 117.7 96.3 144.5
 51 33.8 28.8 43.2
 86 64.2 50.9 76.3

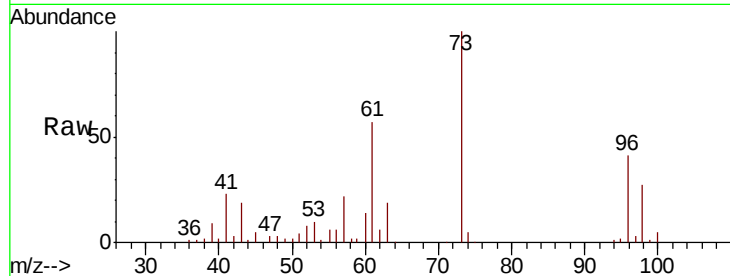




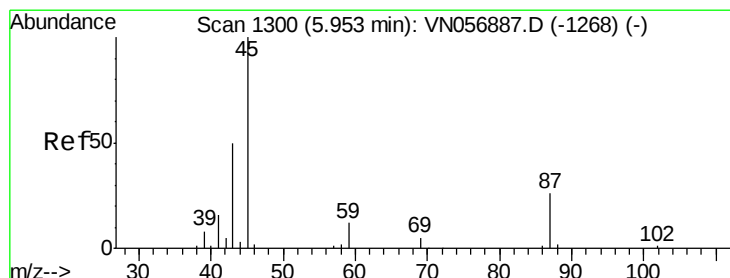
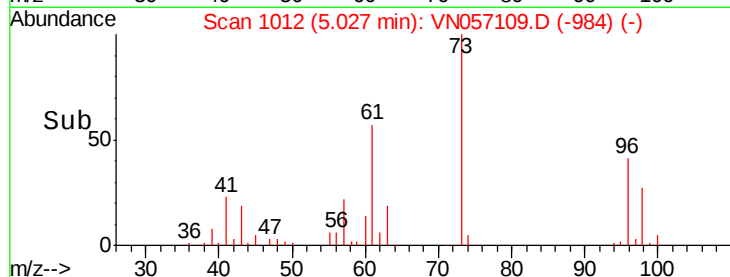
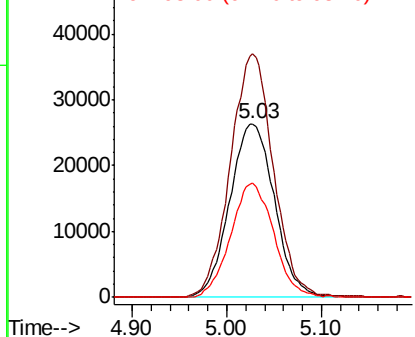
#19
trans-1,2-Dichloroethene
Concen: 20.638 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 86414
Ion Ratio Lower Upper
96 100
61 139.5 105.4 158.0
98 65.8 50.8 76.2

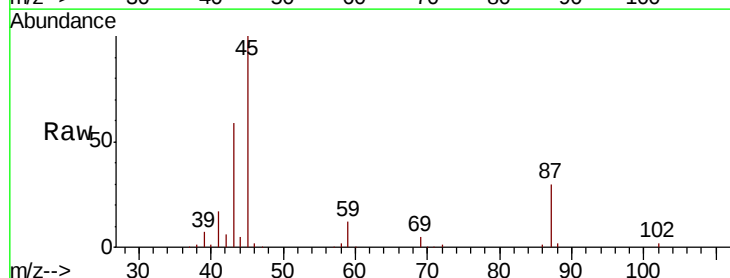


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

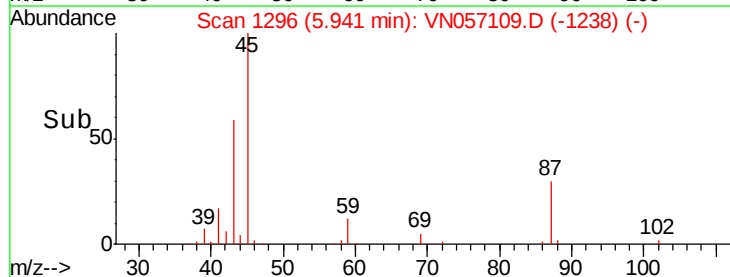
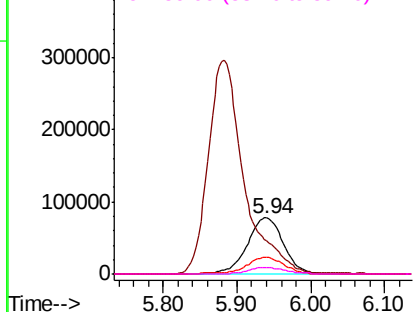


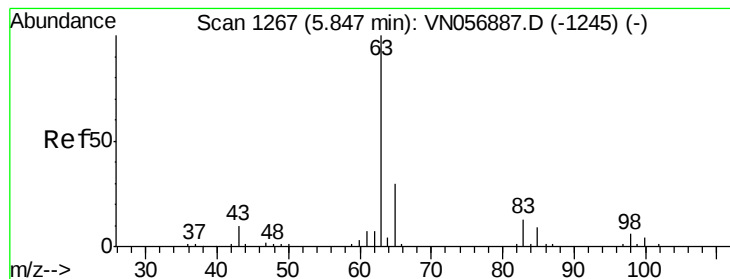
#20
Diisopropyl ether
Concen: 19.746 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 45 Resp: 265434
Ion Ratio Lower Upper
45 100
43 57.3 47.4 71.0
87 30.4 21.7 32.5
59 11.8 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.305 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

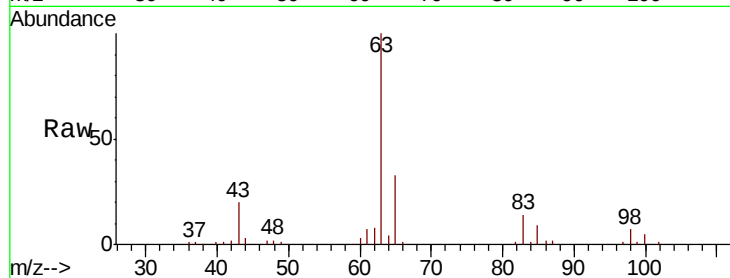
Tgt Ion: 63 Resp: 158622

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

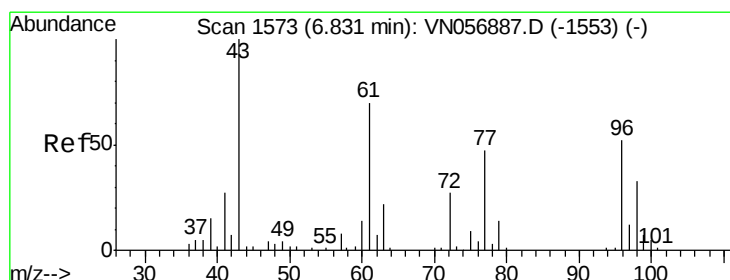
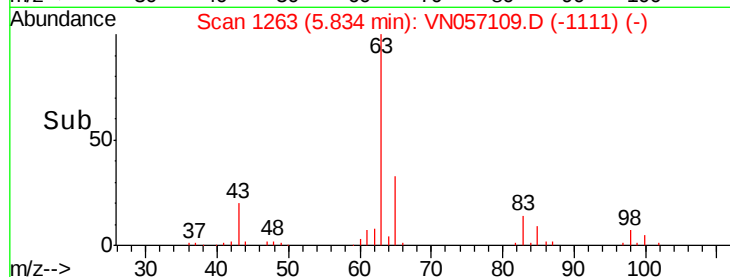
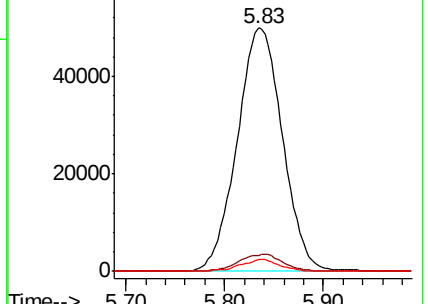
100 4.9 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056887.D (-1245) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.136 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

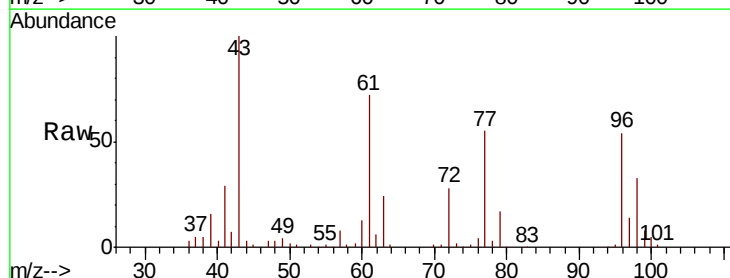
Tgt Ion: 96 Resp: 102569

Ion Ratio Lower Upper

96 100

61 135.3 111.6 167.4

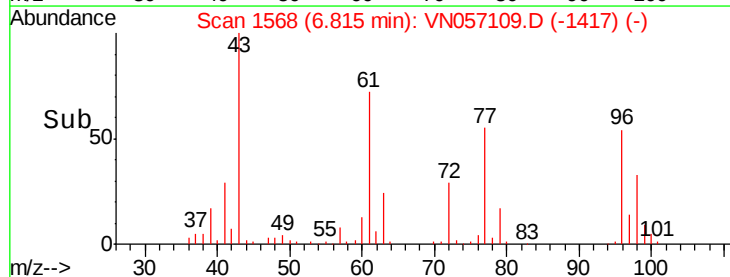
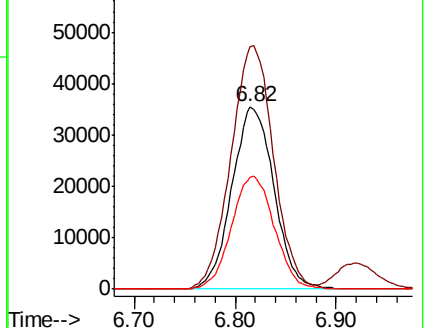
98 63.0 51.0 76.4

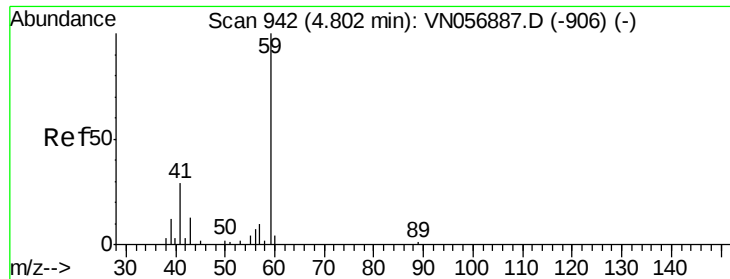


Abundance Ion 96.00 (95.70 to 96.70): VN056887.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056887.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1553) (-)

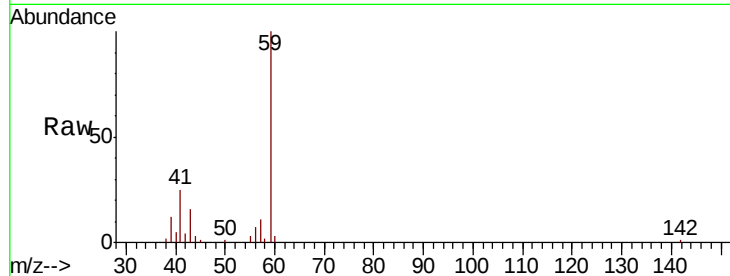




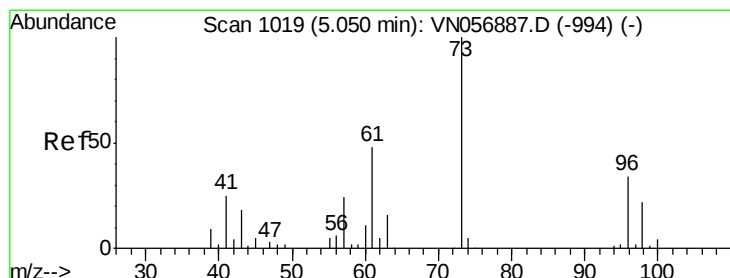
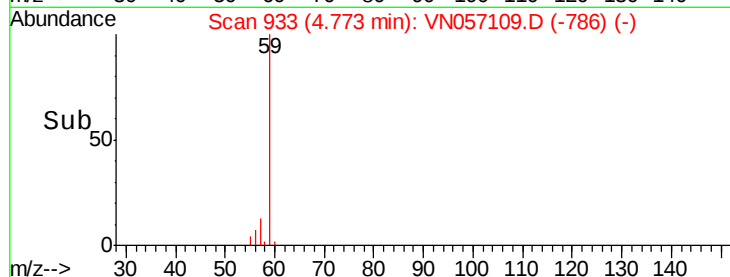
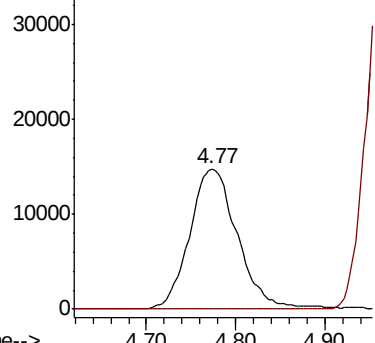
#23
tert-Butyl Alcohol
Concen: 87.330 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.03 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 54422
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

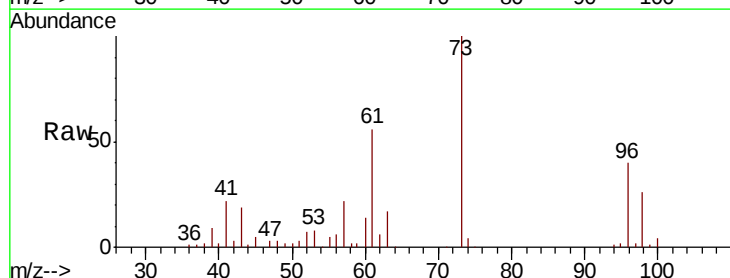


Abundance Ion 59.00 (58.70 to 59.70): VN056887.D (-906) (-)
Ion 52.00 (51.70 to 52.70): VN056887.D (-906) (-)

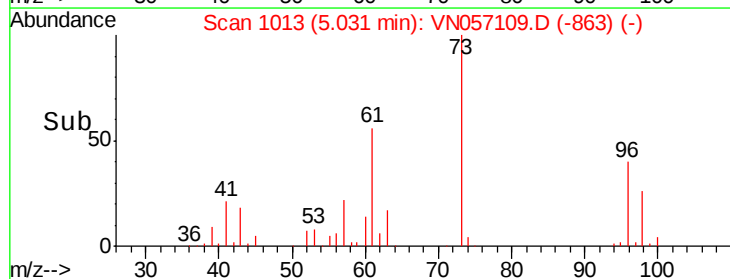
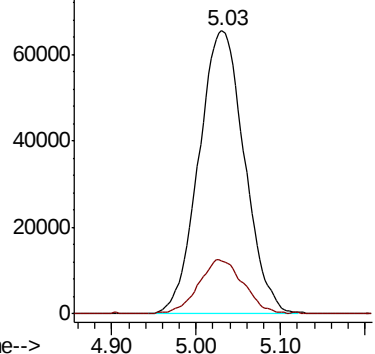


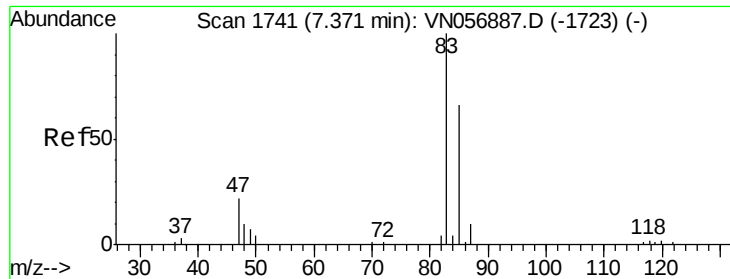
#24
Methyl tert-Butyl Ether
Concen: 20.603 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 73 Resp: 246443
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056887.D (-994) (-)
Ion 43.00 (42.70 to 43.70): VN056887.D (-994) (-)

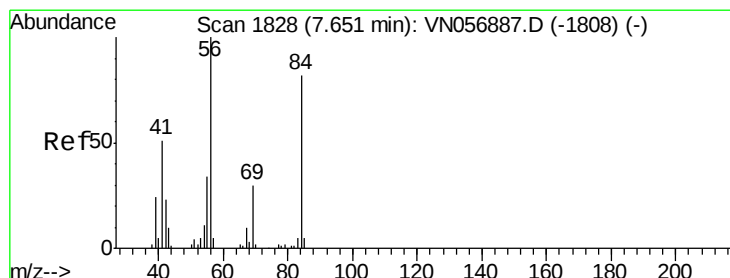
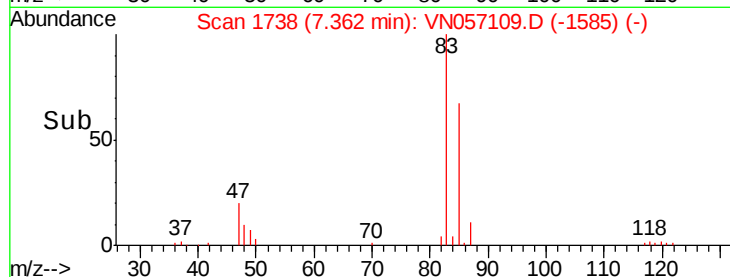
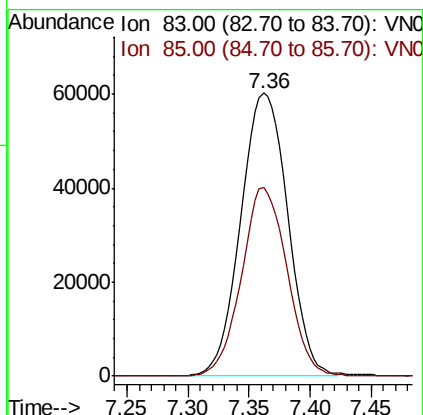
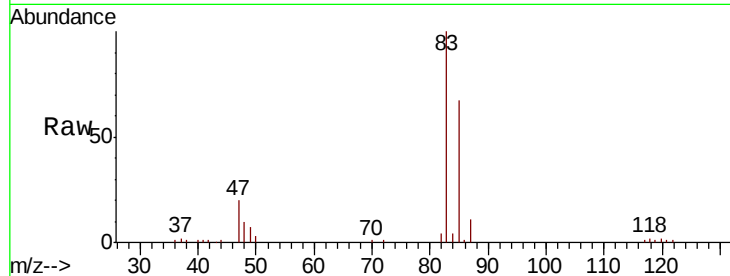




#25
Chloroform
Concen: 21.127 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

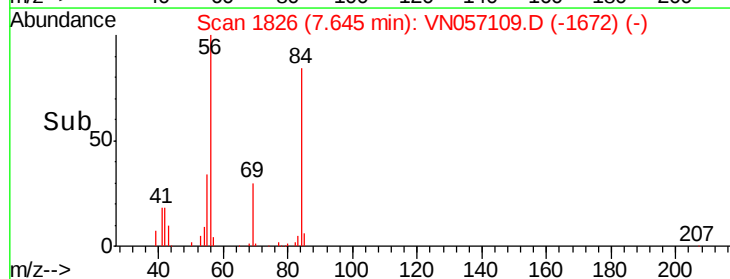
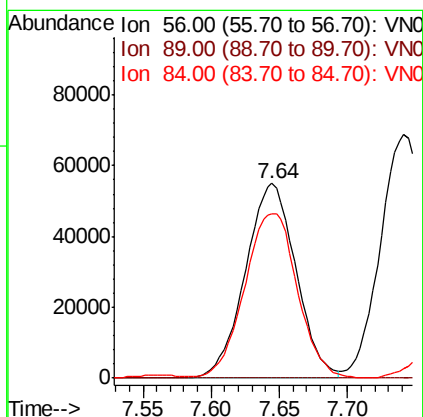
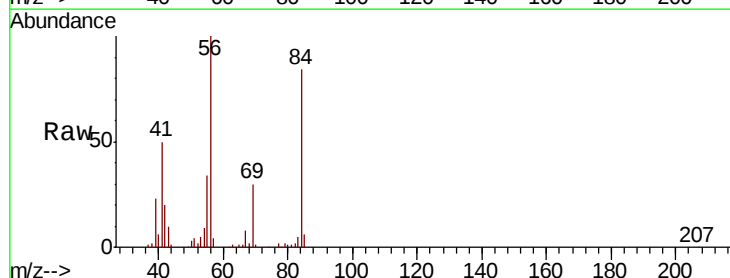
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

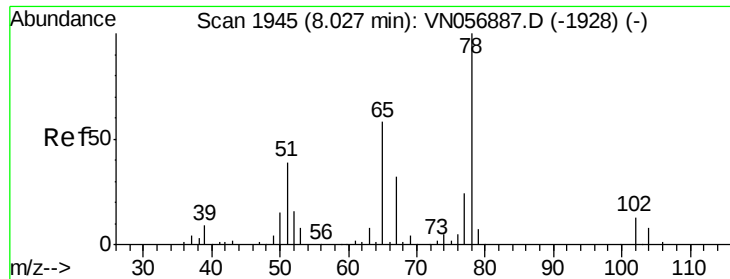
Tgt Ion: 83 Resp: 161005
Ion Ratio Lower Upper
83 100
85 66.8 53.1 79.7



#26
Cyclohexane
Concen: 19.689 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 56 Resp: 141294
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.5 67.8 101.6





#27

1,2-Dichloroethane-d4

Concen: 30.035 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

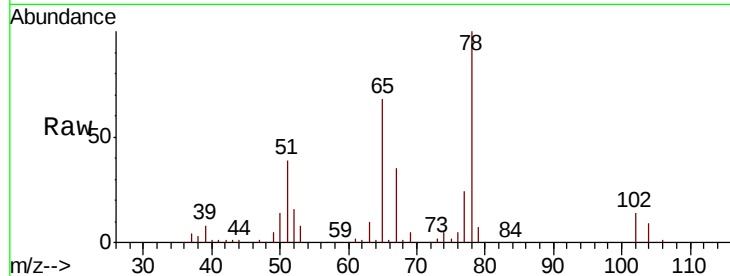
VSTDCCC020EC

Tgt Ion: 65 Resp: 145669

Ion Ratio Lower Upper

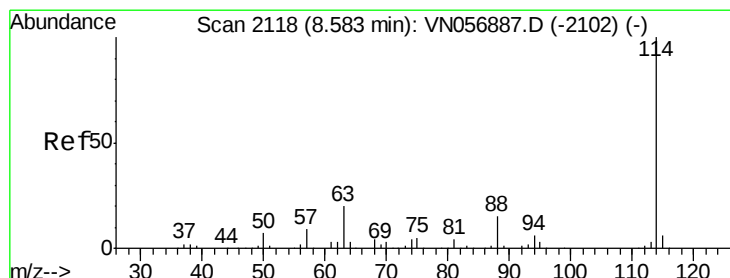
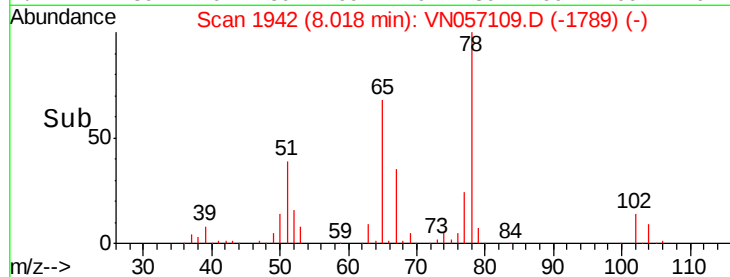
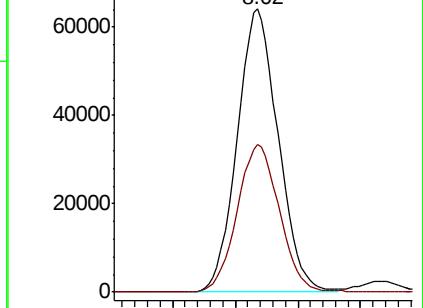
65 100

67 53.8 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN056887.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056887.D (-1928) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

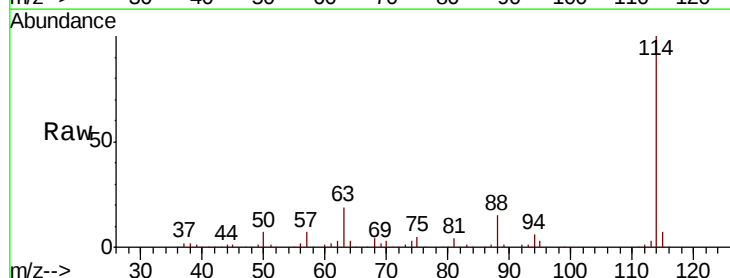
Tgt Ion: 114 Resp: 397740

Ion Ratio Lower Upper

114 100

63 19.1 15.8 23.6

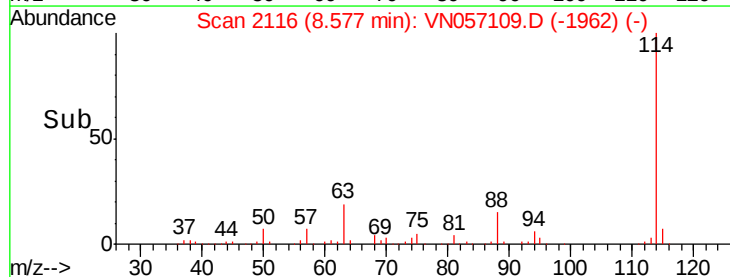
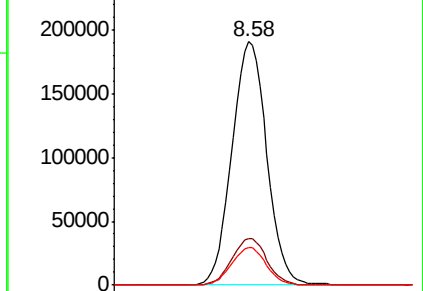
88 15.3 12.5 18.7

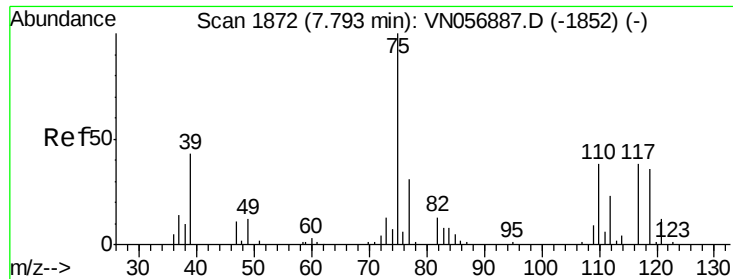


Abundance Ion 114.00 (113.70 to 114.70): VN056887.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056887.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056887.D (-2102) (-)

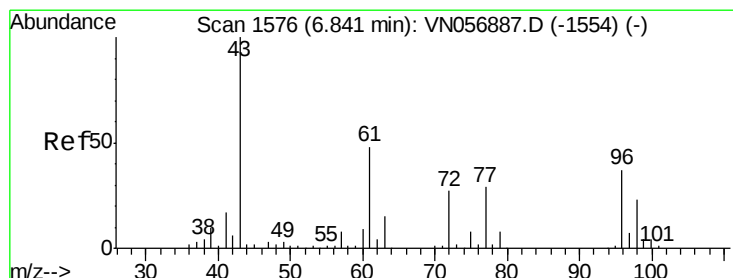
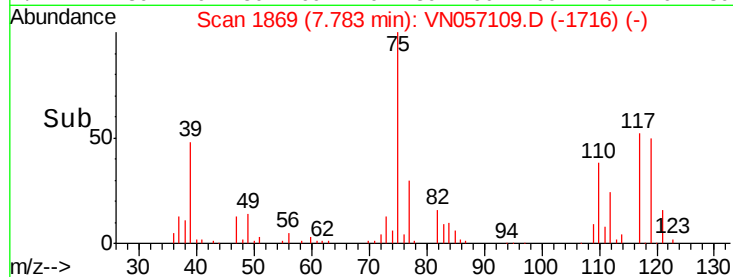
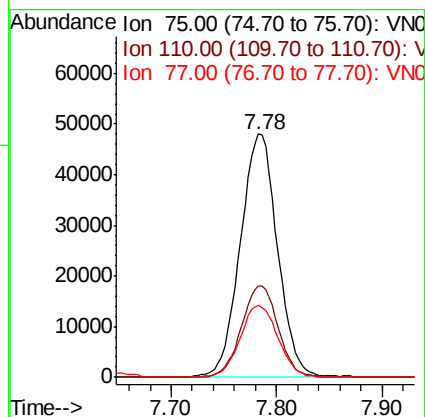
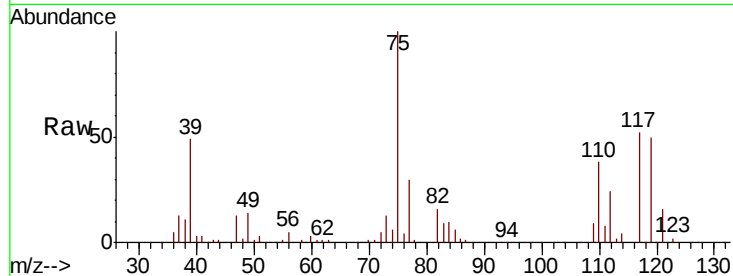




#29
 1,1-Dichloropropene
 Concen: 20.757 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

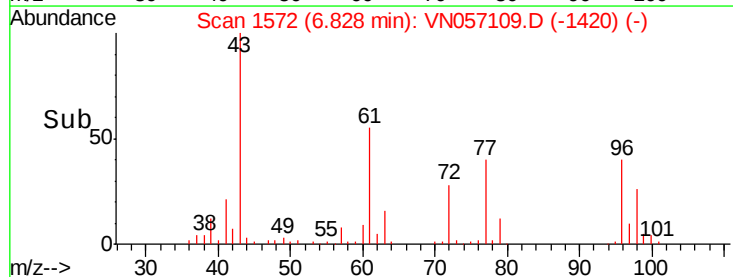
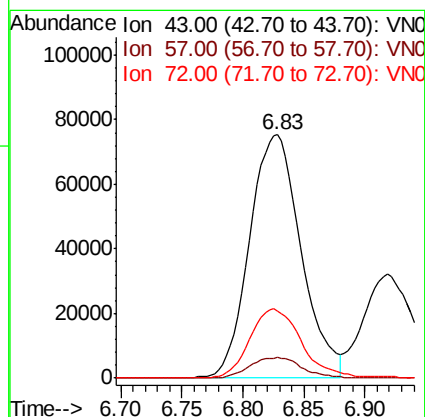
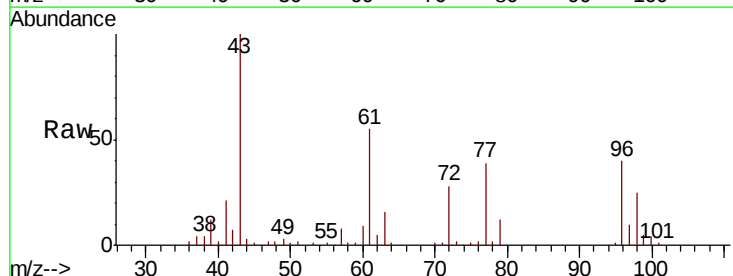
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

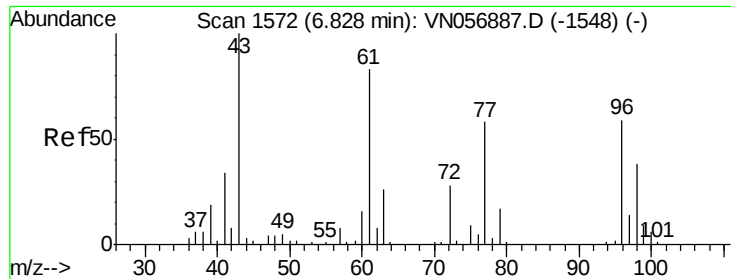
Tgt Ion: 75 Resp: 117161
 Ion Ratio Lower Upper
 75 100
 110 37.1 0.0 75.8
 77 30.5 0.0 64.0



#30
 2-Butanone
 Concen: 96.936 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 43 Resp: 219818
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.5 9.7
 72 28.6 22.1 33.1

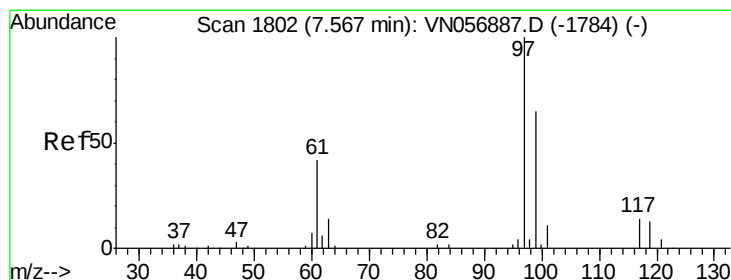
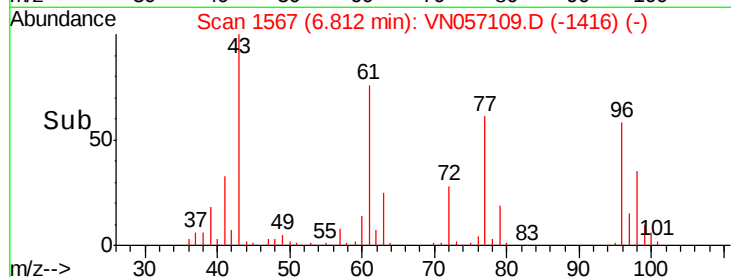
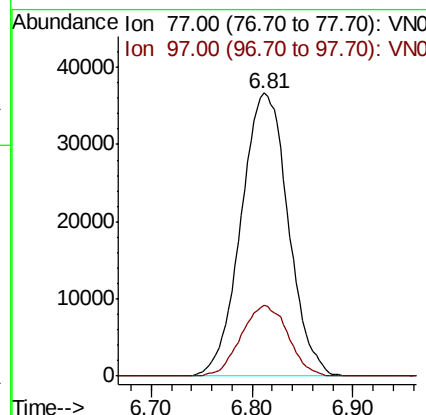
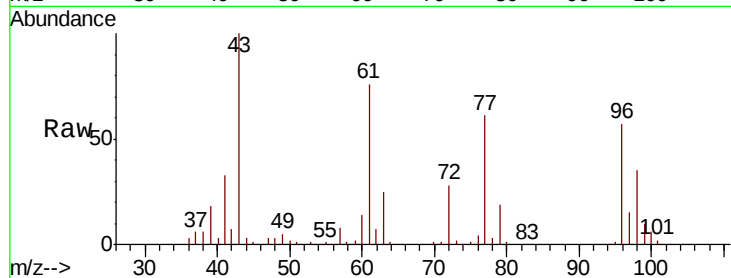




#31
 2,2-Dichloropropane
 Concen: 22.717 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

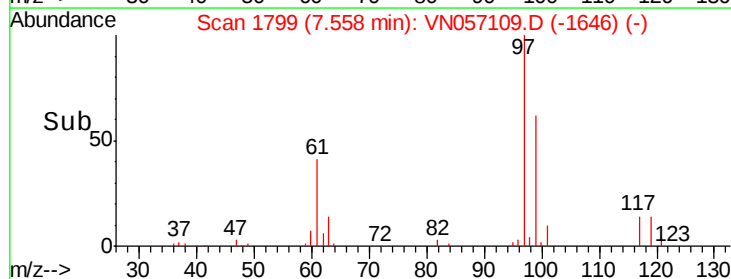
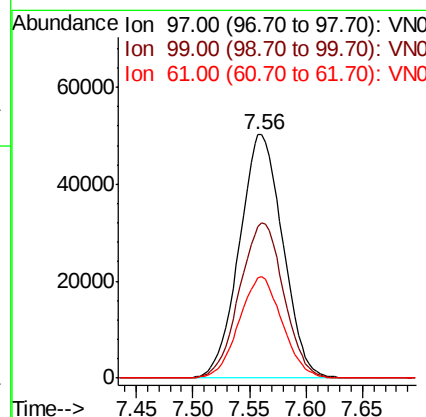
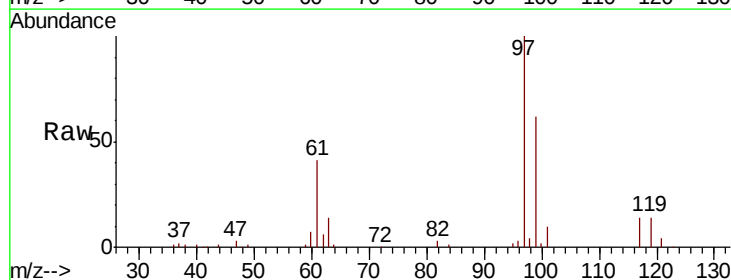
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

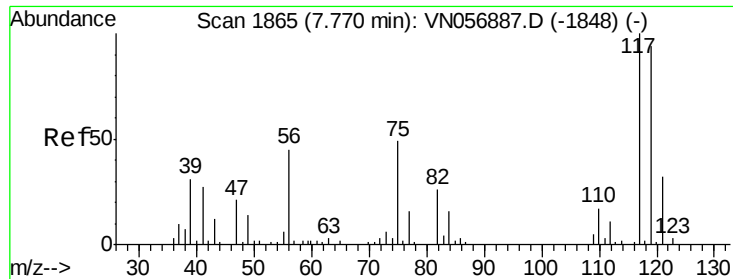
Tgt Ion: 77 Resp: 118989
 Ion Ratio Lower Upper
 77 100
 97 24.8 19.3 28.9



#32
 1,1,1-Trichloroethane
 Concen: 21.643 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 97 Resp: 134223
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.3 78.5
 61 41.4 34.4 51.6

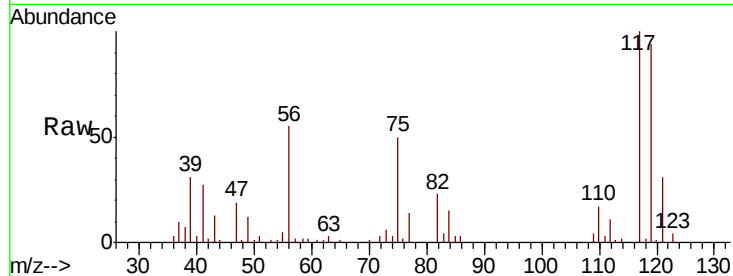




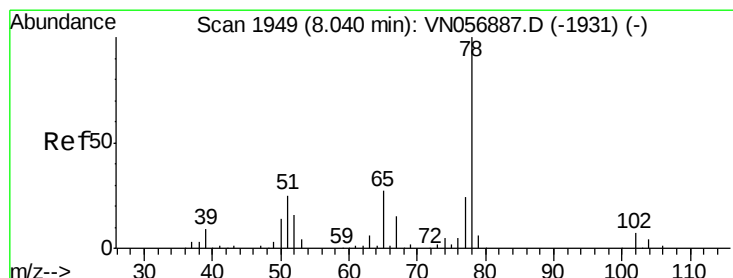
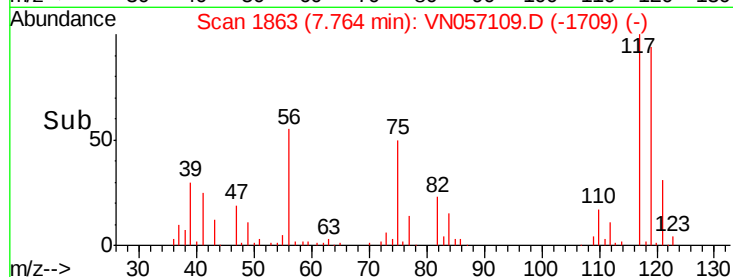
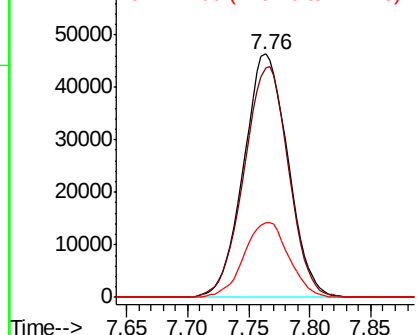
#33
Carbon Tetrachloride
Concen: 21.554 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 116668
Ion Ratio Lower Upper
117 100
119 94.2 75.1 112.7
121 30.7 25.8 38.8

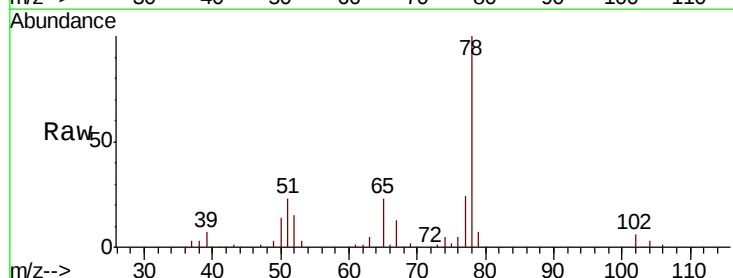


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

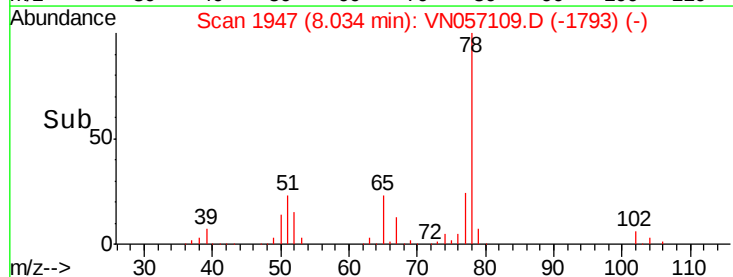
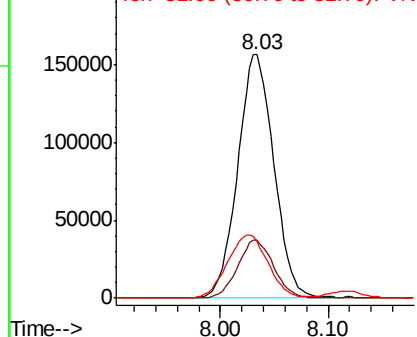


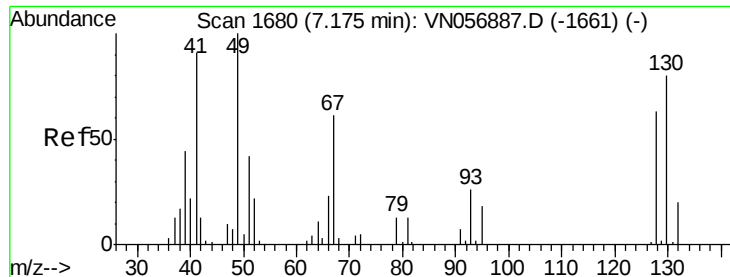
#34
Benzene
Concen: 20.506 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 78 Resp: 364689
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.2
51 23.2 20.4 30.6



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

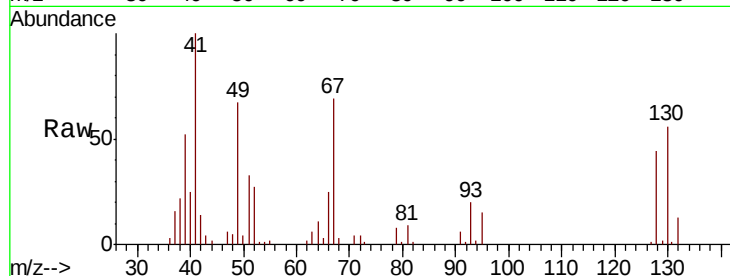




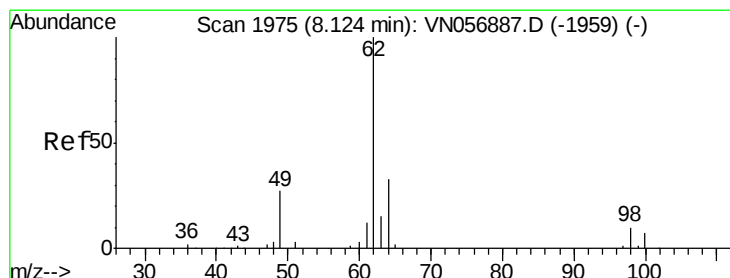
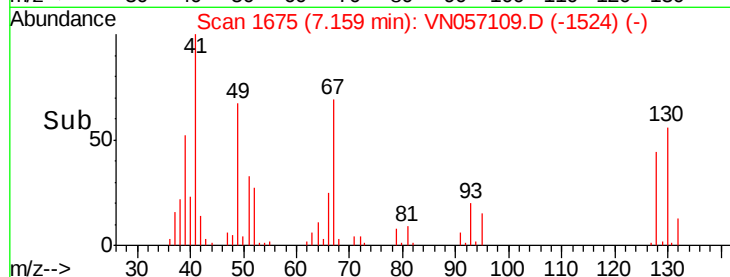
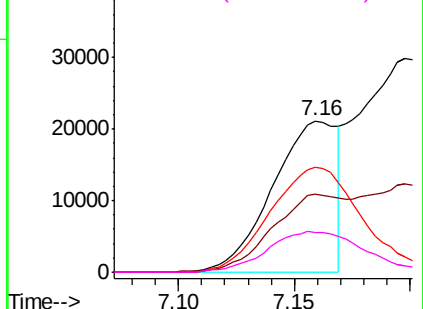
#35
Methacrylonitrile
Concen: 18.105 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	41001
Ion	Ratio	Lower	Upper
41	100		
39	50.8	24.4	73.2
67	69.3	33.4	100.1
52	26.6	12.1	36.3

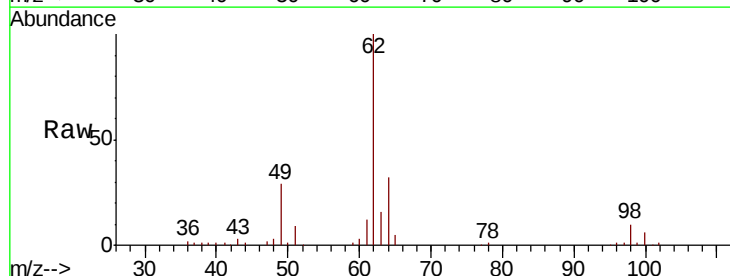


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

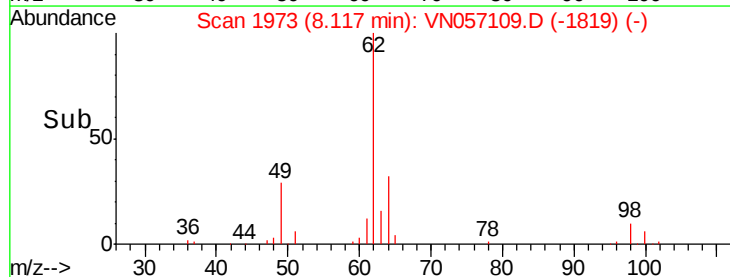
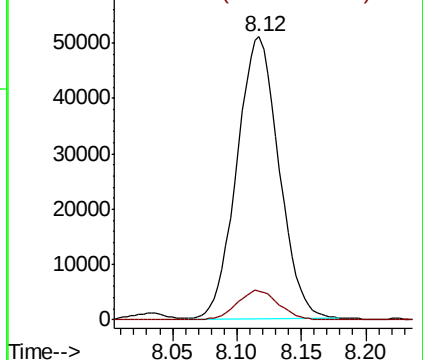


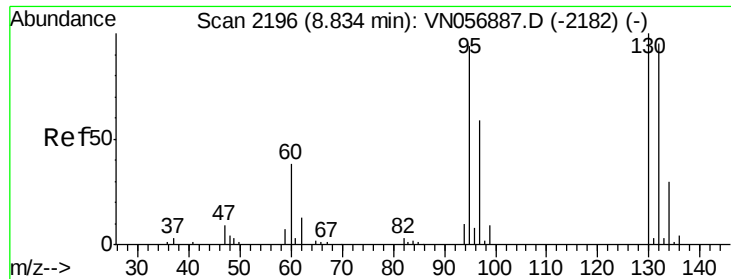
#36
1,2-Dichloroethane
Concen: 20.935 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion:	62	Resp:	115743
Ion	Ratio	Lower	Upper
62	100		
98	10.3	7.7	11.5



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

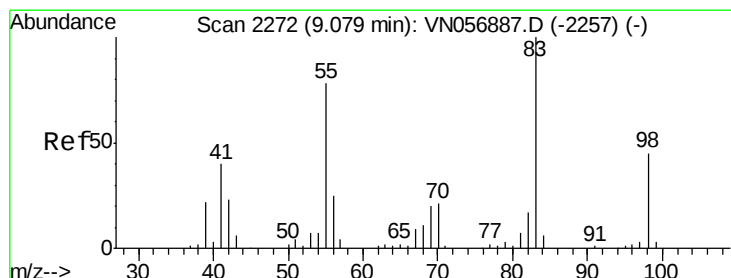
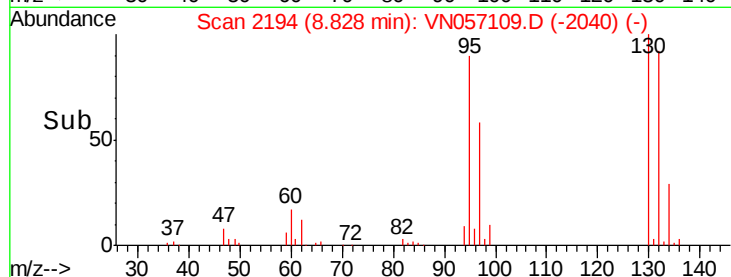
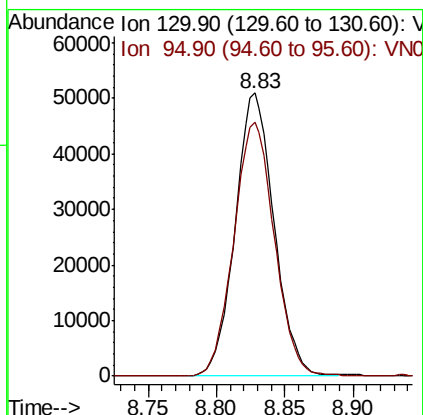
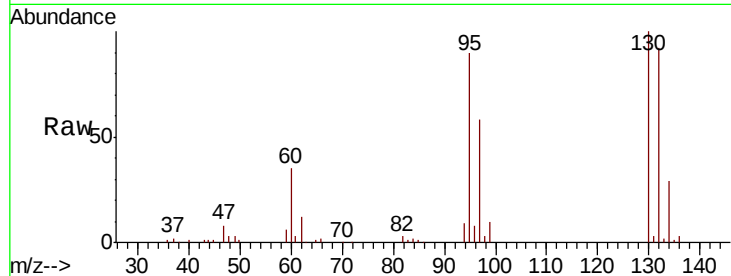




#37
 Trichloroethene
 Concen: 21.141 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

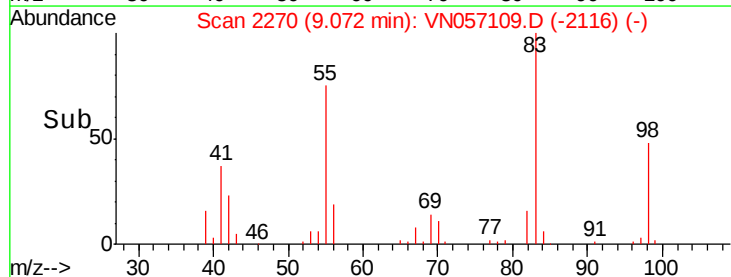
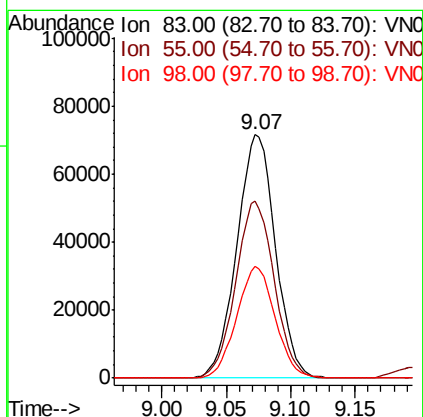
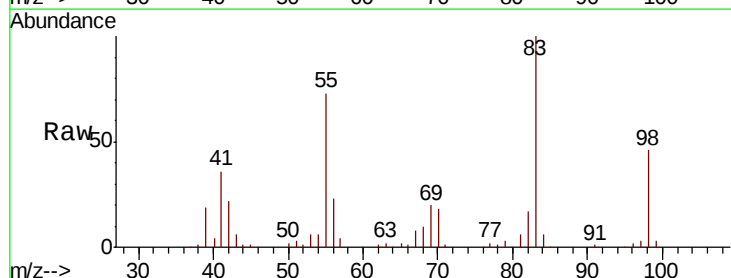
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

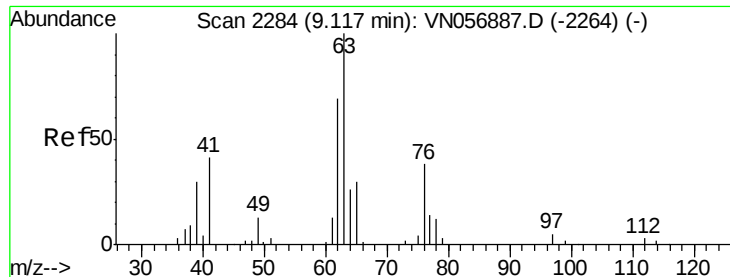
Tgt Ion: 130 Resp: 100800
 Ion Ratio Lower Upper
 130 100
 95 89.7 74.9 112.3



#38
 Methylcyclohexane
 Concen: 20.821 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 83 Resp: 149492
 Ion Ratio Lower Upper
 83 100
 55 72.3 38.4 115.1
 98 45.6 22.7 68.0

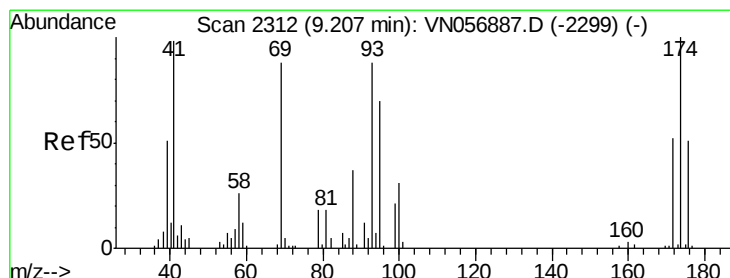
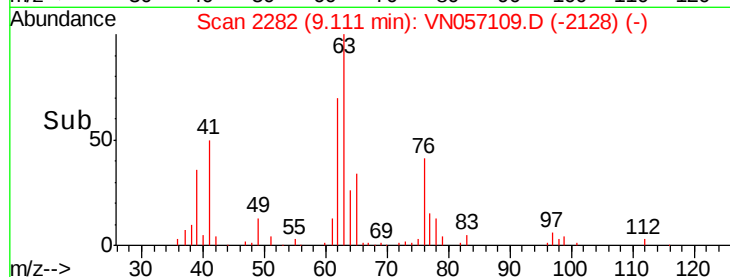
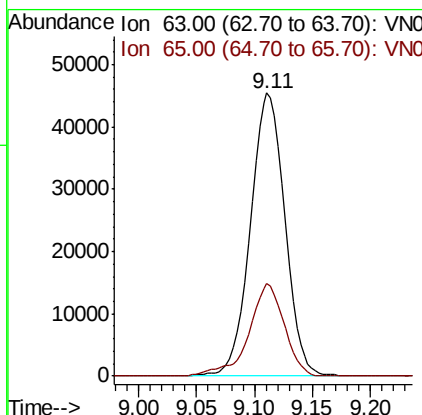
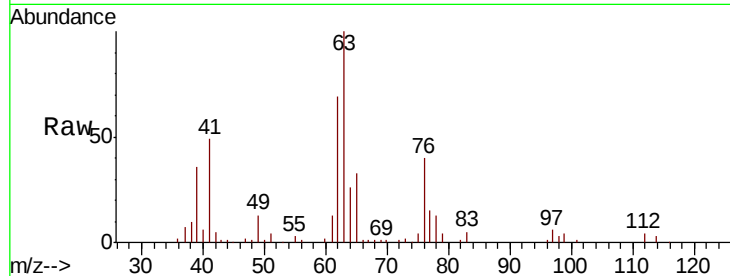




#39
 1,2-Dichloropropane
 Concen: 19.851 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

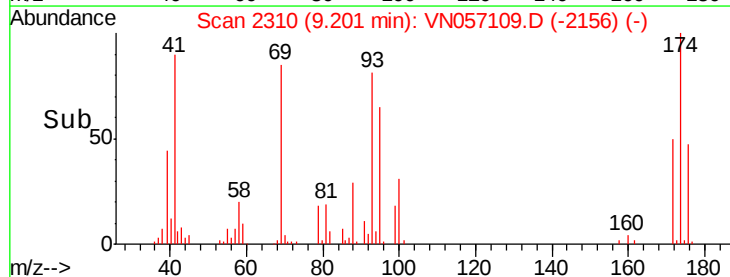
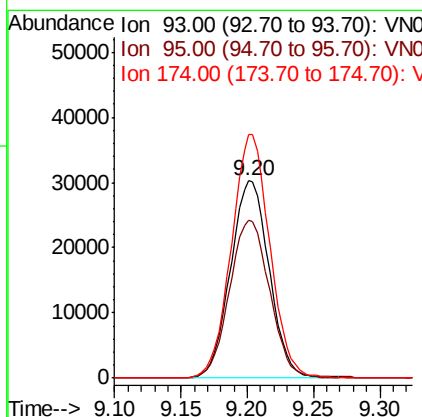
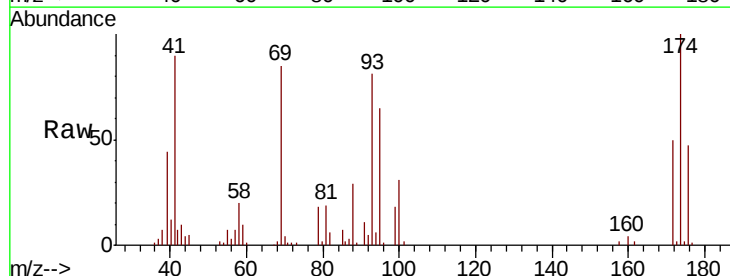
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

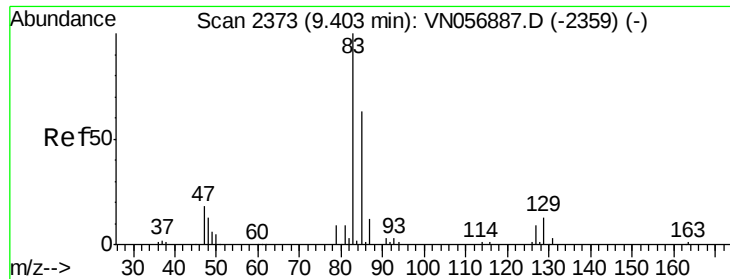
Tgt Ion: 63 Resp: 94237
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.6 36.8



#40
 Dibromomethane
 Concen: 21.116 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 93 Resp: 61493
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 165.8
 174 122.3 0.0 232.4





#41

Bromodichloromethane

Concen: 20.868 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

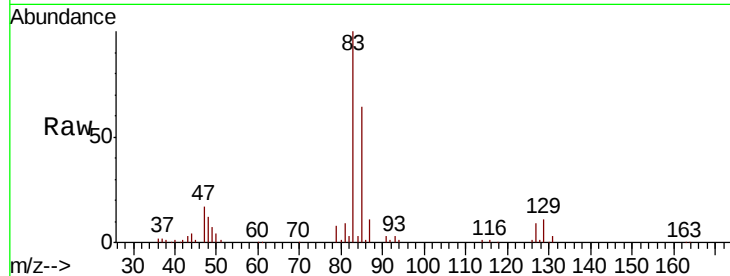
Tgt Ion: 83 Resp: 116775

Ion Ratio Lower Upper

83 100

85 63.8 50.6 75.8

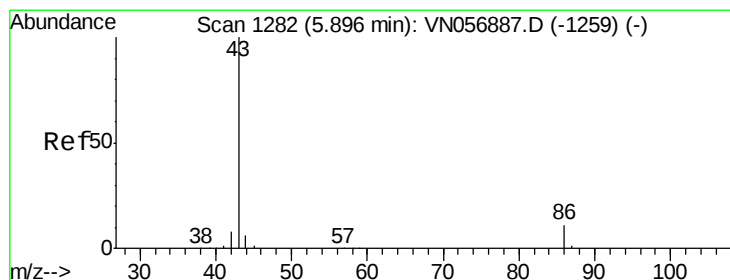
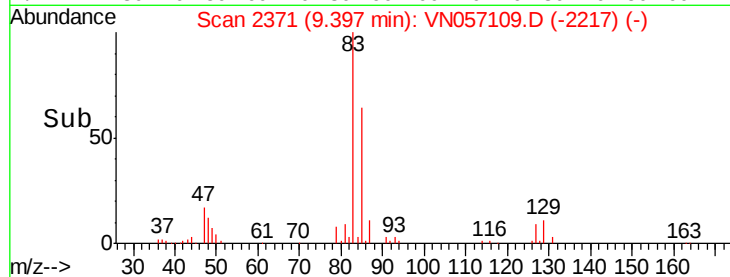
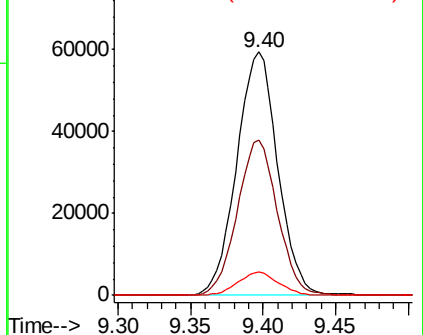
127 9.4 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 99.132 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VN057109.D

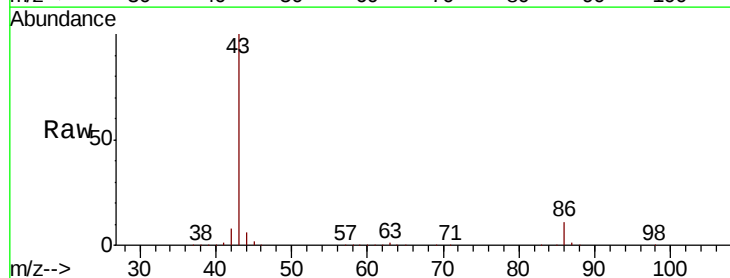
Acq: 6 Aug 2019 17:35

Tgt Ion: 43 Resp: 1001103

Ion Ratio Lower Upper

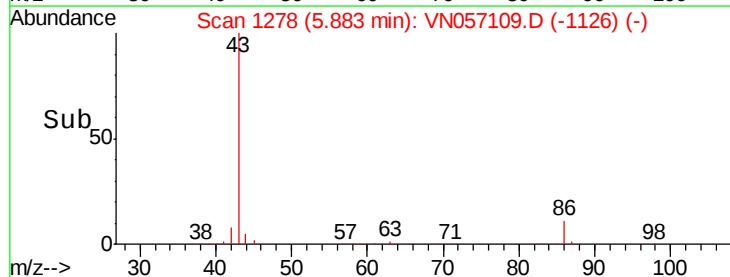
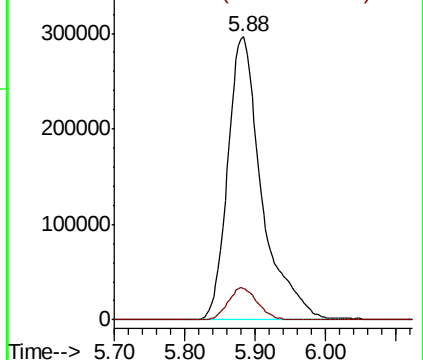
43 100

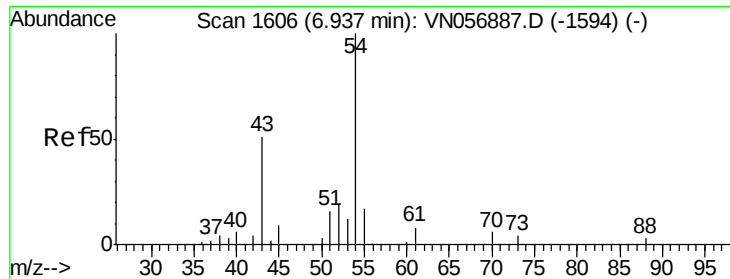
86 9.9 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.850 ug/l

RT: 6.92 min Scan# 1600

Delta R.T. -0.02 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

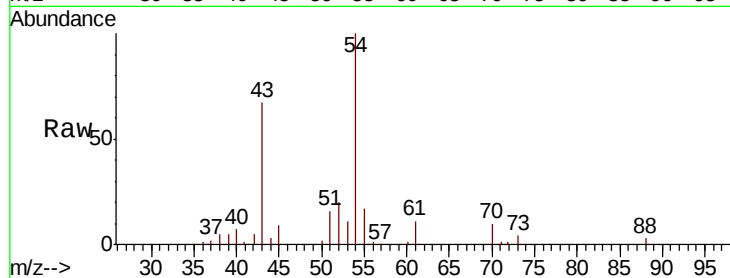
VSTDCCC020EC

Tgt Ion: 43 Resp: 92279

Ion Ratio Lower Upper

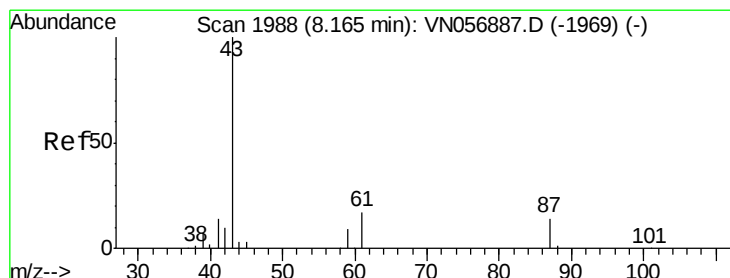
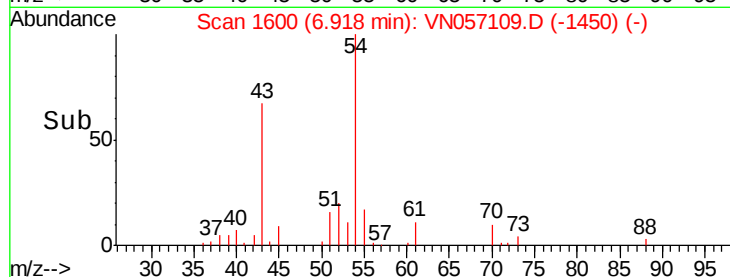
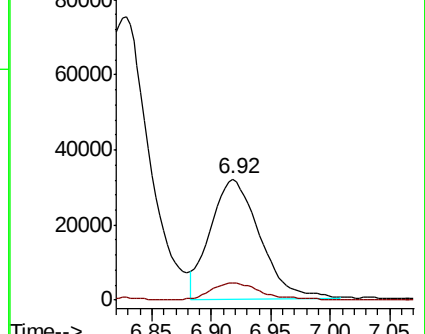
43 100

45 15.1 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.967 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN057109.D

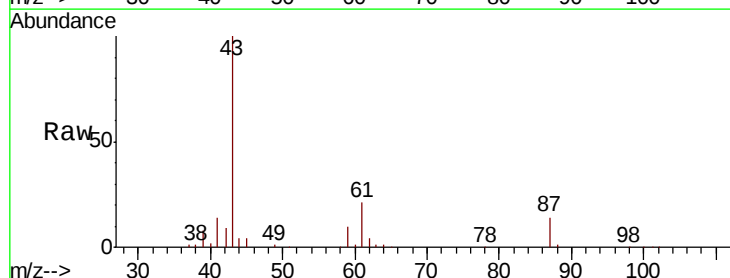
Acq: 6 Aug 2019 17:35

Tgt Ion: 43 Resp: 162472

Ion Ratio Lower Upper

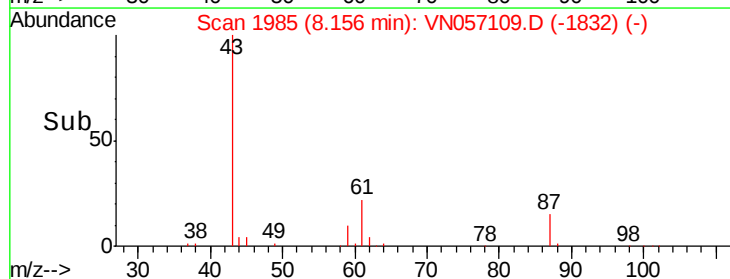
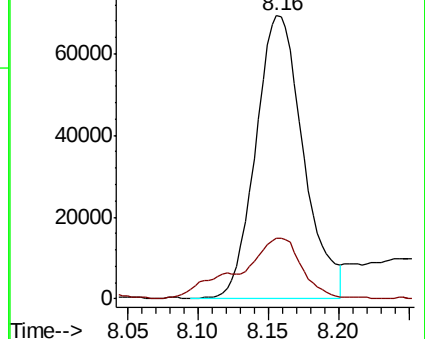
43 100

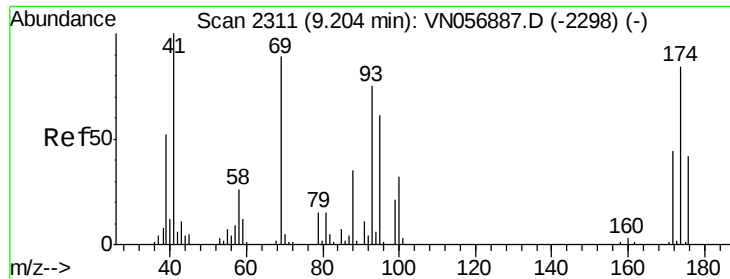
61 20.6 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 373.757 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

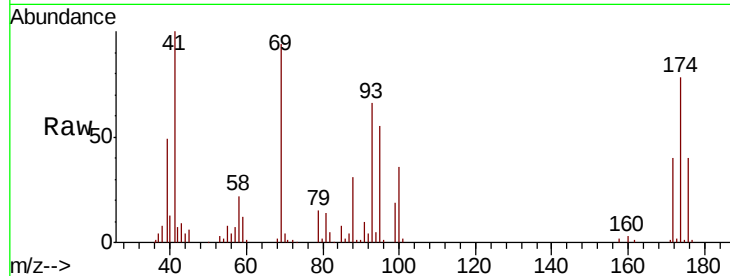
Tgt Ion: 88 Resp: 27572

Ion Ratio Lower Upper

88 100

43 29.2 23.4 35.0

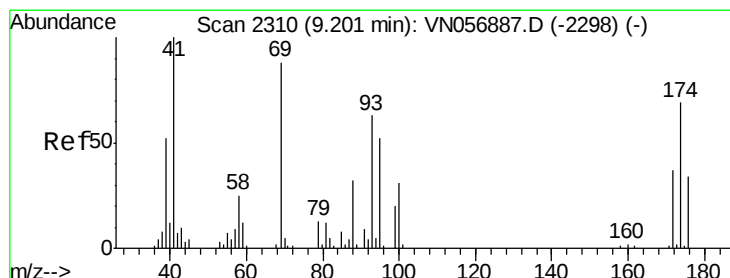
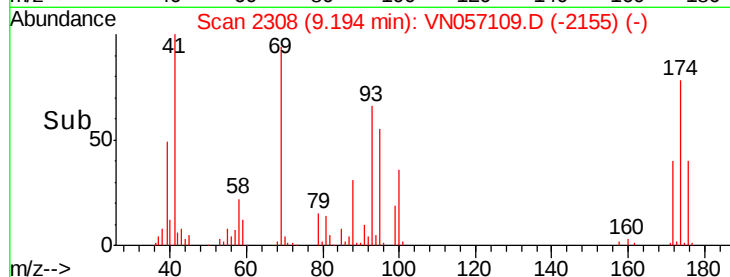
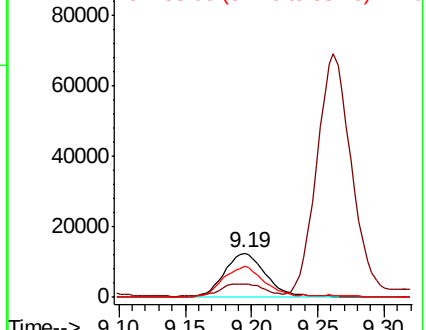
58 68.6 58.5 87.7



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: 19.334 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

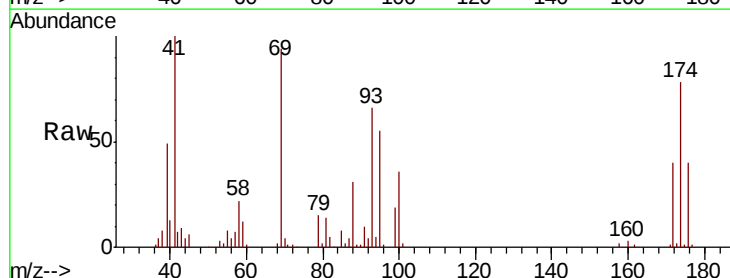
Tgt Ion: 41 Resp: 74742

Ion Ratio Lower Upper

41 100

69 95.2 44.0 132.0

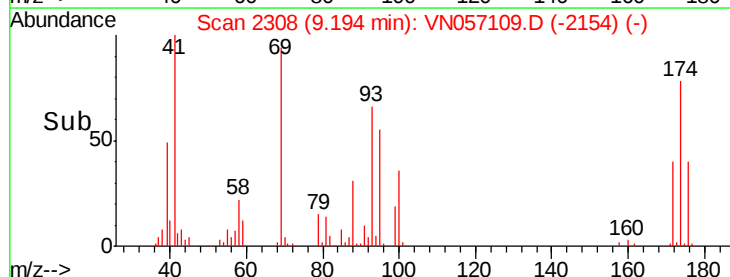
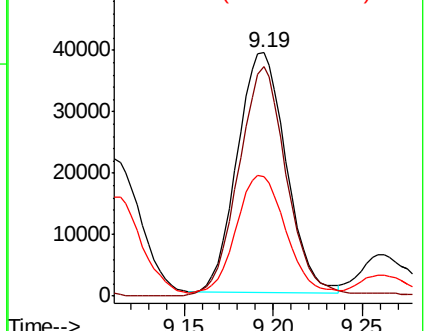
39 48.3 25.8 77.4

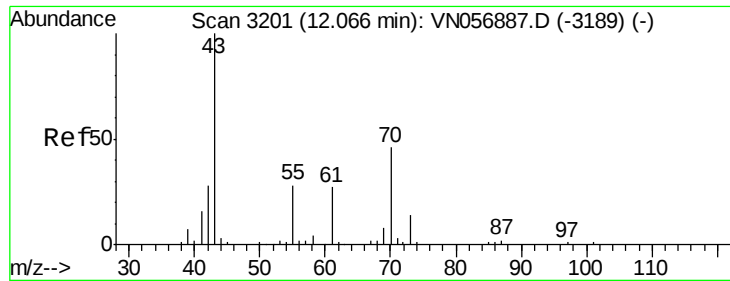


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

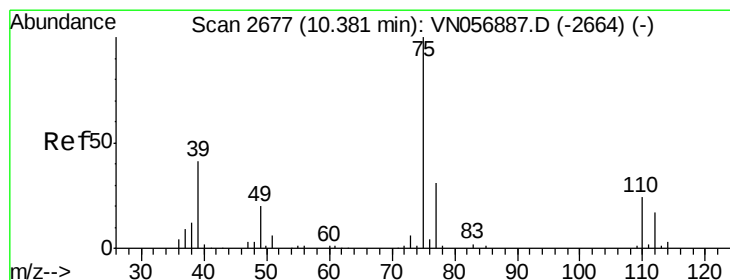
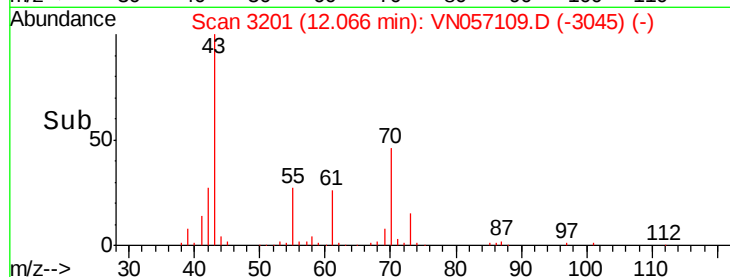
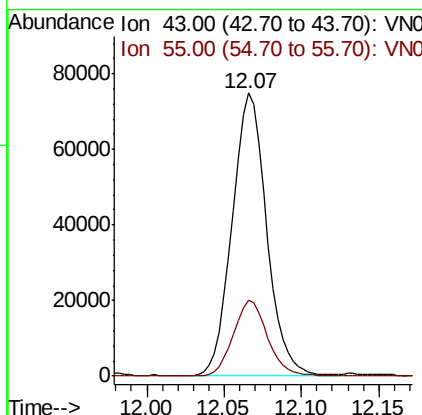
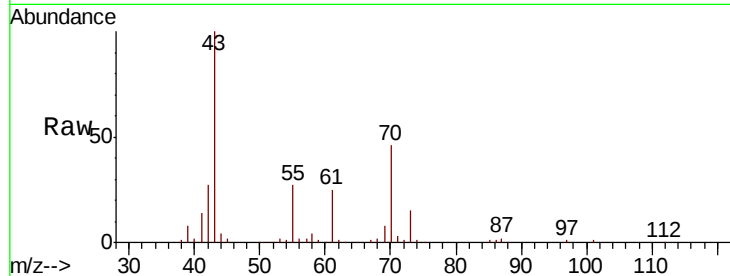




#47
n-amy1 Acetate
Concen: 18.551 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

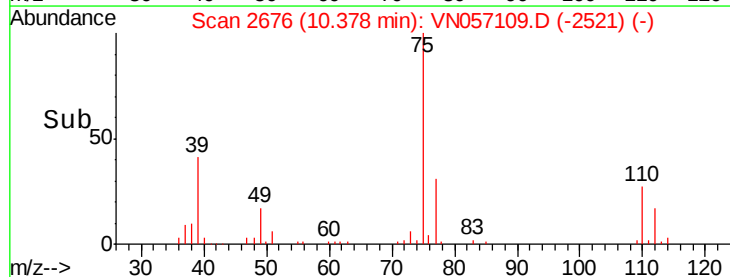
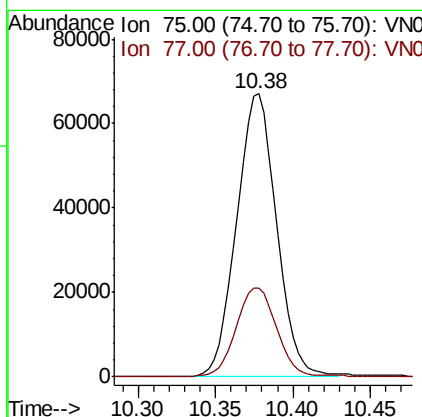
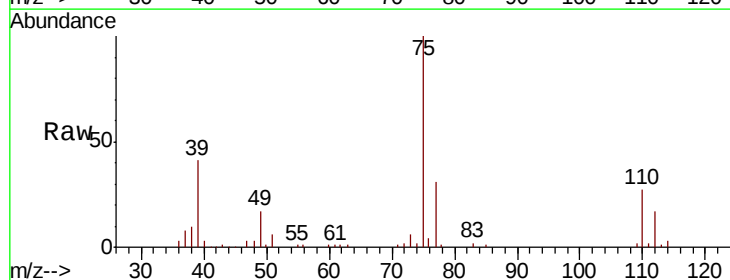
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

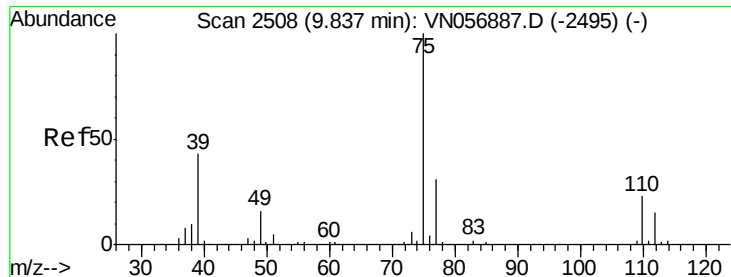
Tgt Ion: 43 Resp: 115077
Ion Ratio Lower Upper
43 100
55 26.8 21.3 31.9



#48
t-1,3-Dichloropropene
Concen: 20.701 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 75 Resp: 120544
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

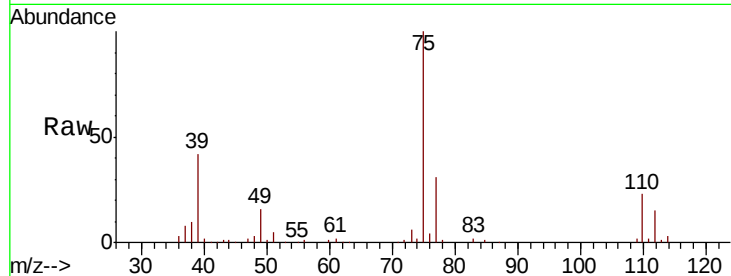




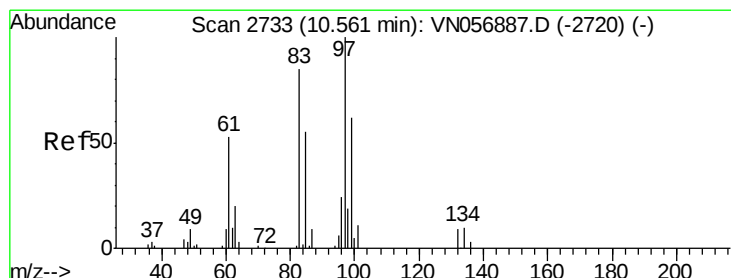
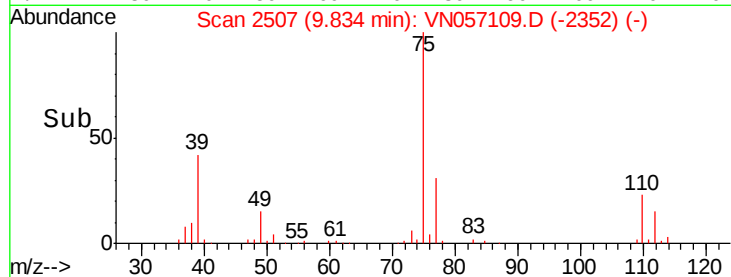
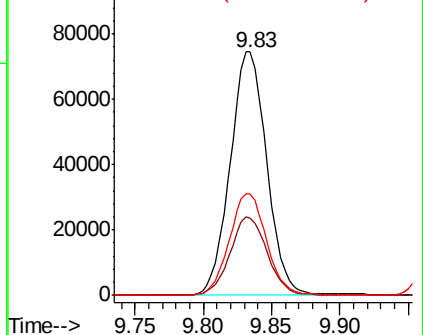
#49
 cis-1,3-Dichloropropene
 Concen: 20.459 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 75 Resp: 138835
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.4 36.6
 39 42.0 34.2 51.4

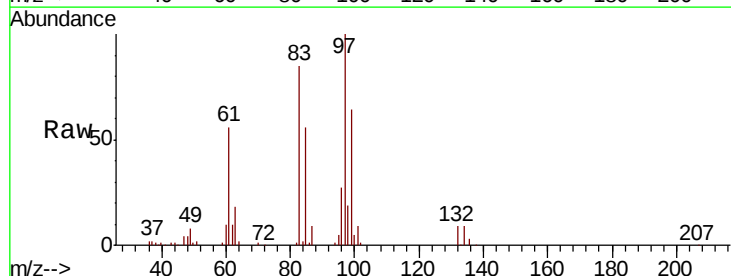


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

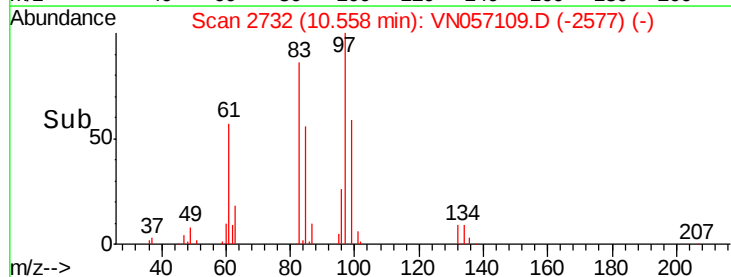
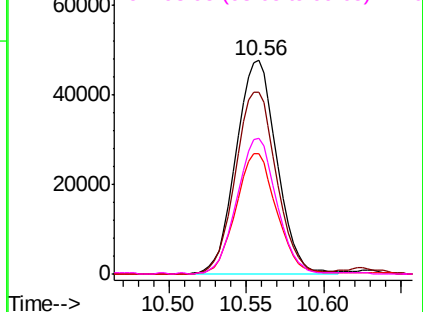


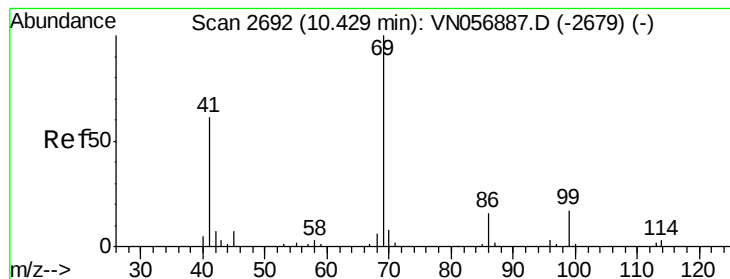
#50
 1,1,2-Trichloroethane
 Concen: 20.859 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 97 Resp: 87217
 Ion Ratio Lower Upper
 97 100
 83 84.9 68.4 102.6
 85 56.5 44.3 66.5
 99 63.8 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: 20.156 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

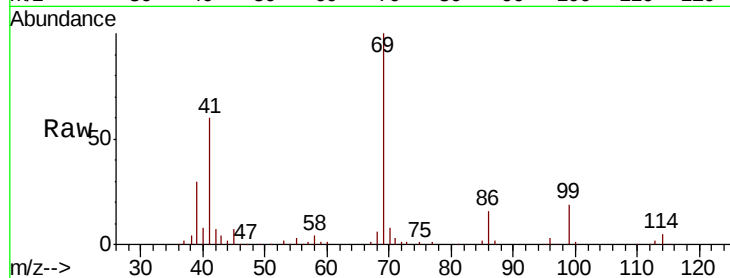
Tgt Ion: 69 Resp: 121897

Ion Ratio Lower Upper

69 100

41 59.7 30.4 91.3

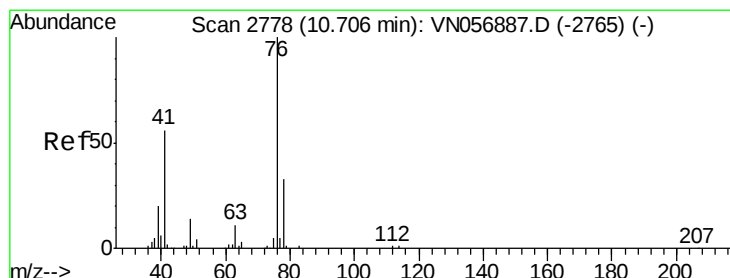
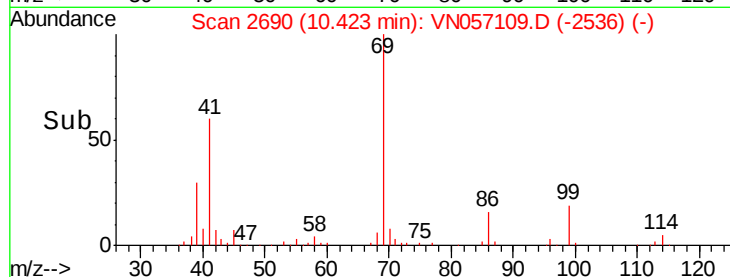
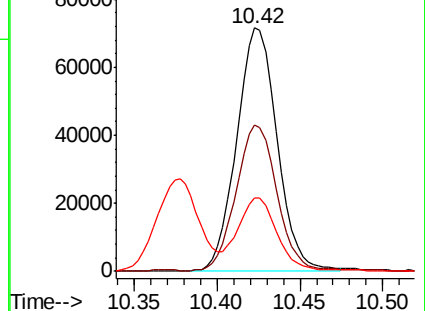
39 29.3 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN056887.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056887.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056887.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 20.554 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057109.D

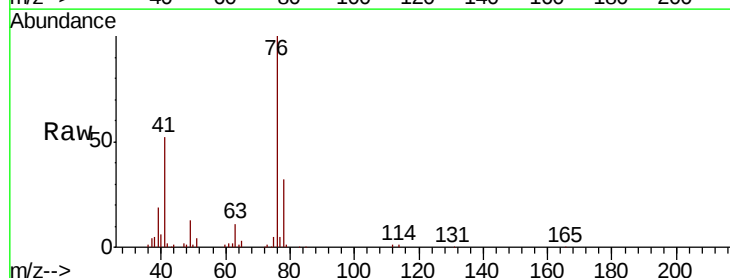
Acq: 6 Aug 2019 17:35

Tgt Ion: 76 Resp: 145039

Ion Ratio Lower Upper

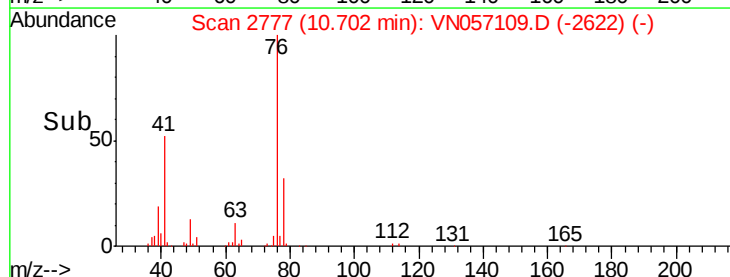
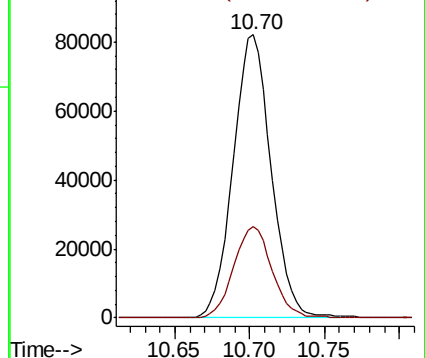
76 100

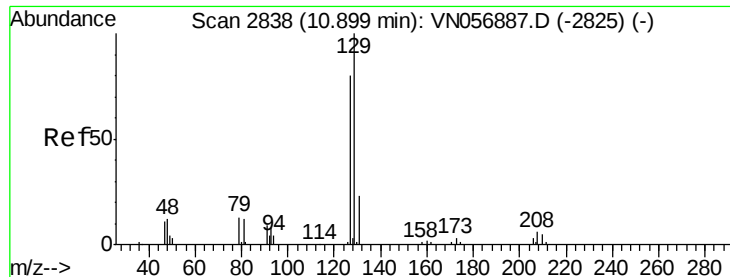
78 32.7 0.0 64.2



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

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

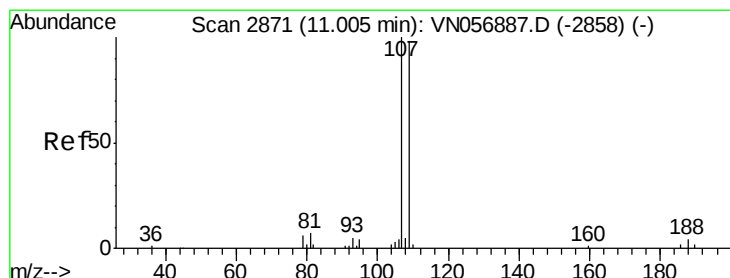
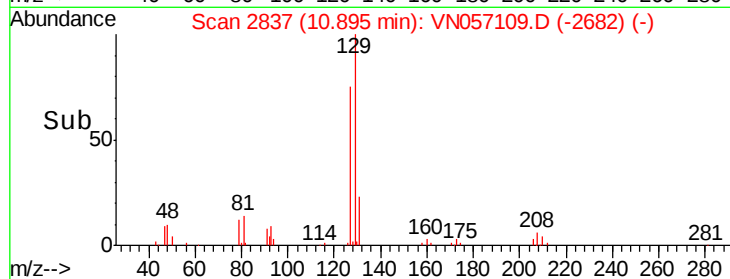
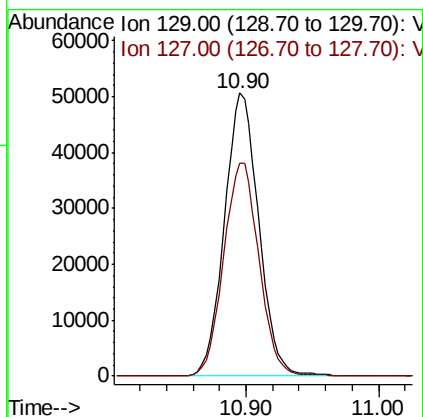
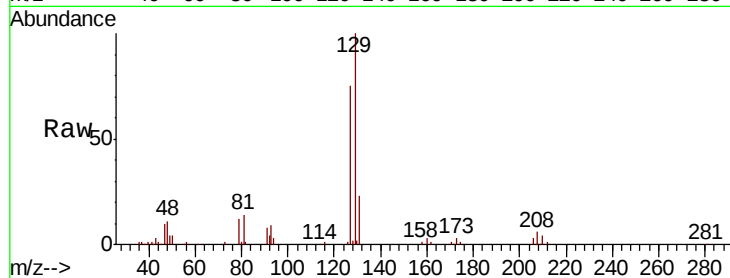




#53
 Dibromochloromethane
 Concen: 20.987 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

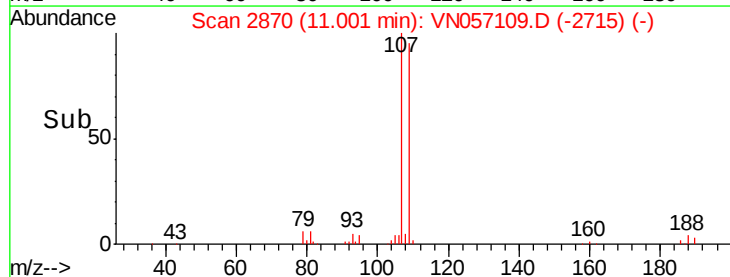
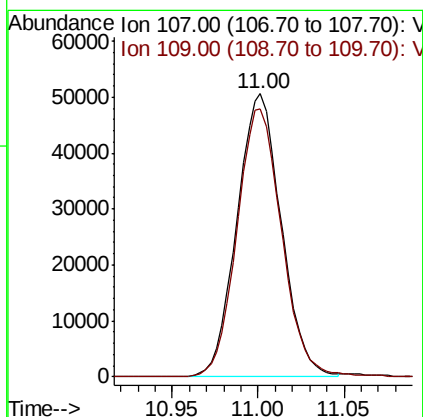
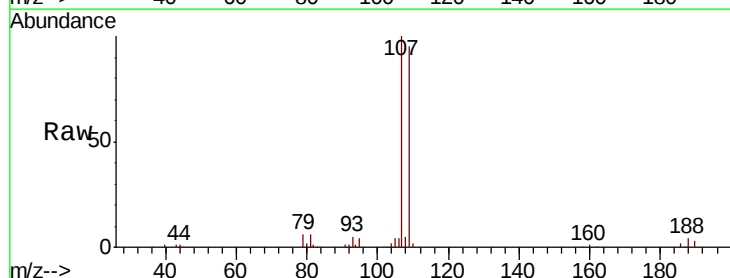
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

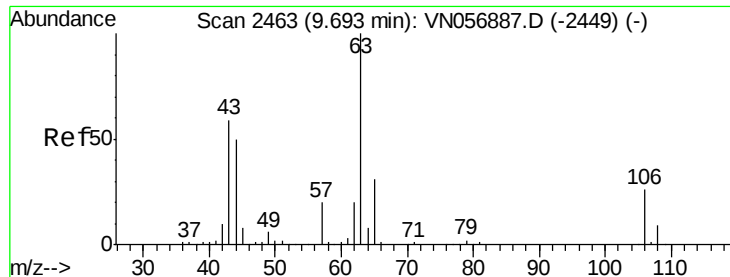
Tgt Ion:129 Resp: 91212
 Ion Ratio Lower Upper
 129 100
 127 76.9 38.8 116.4



#54
 1,2-Dibromoethane
 Concen: 21.147 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion:107 Resp: 90204
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.2 114.2

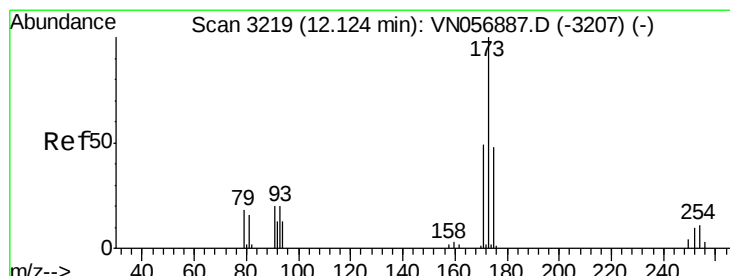
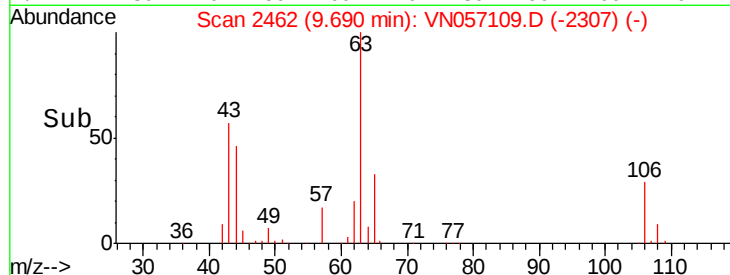
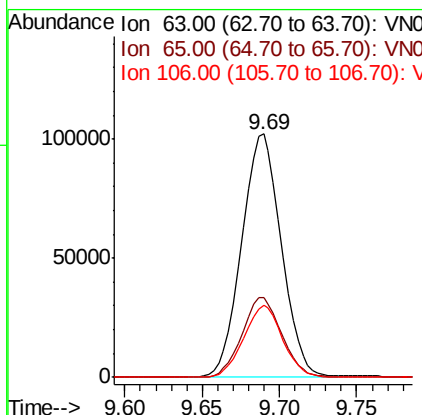
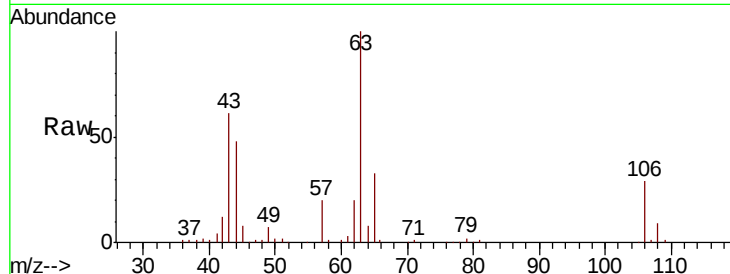




#55
 2-Chloroethyl vinyl ether
 Concen: 69.566 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

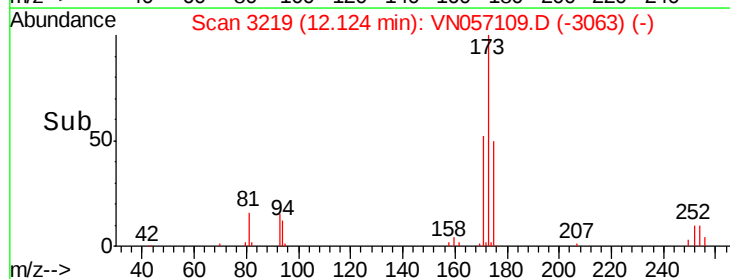
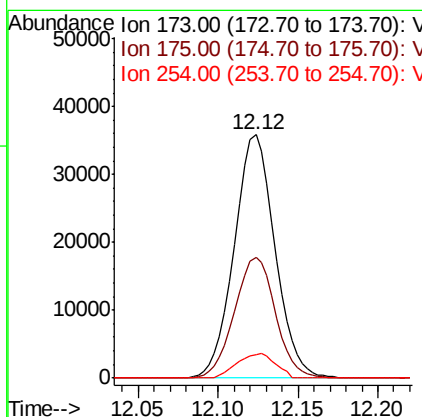
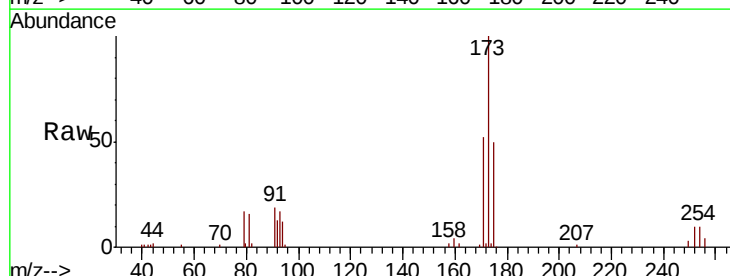
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

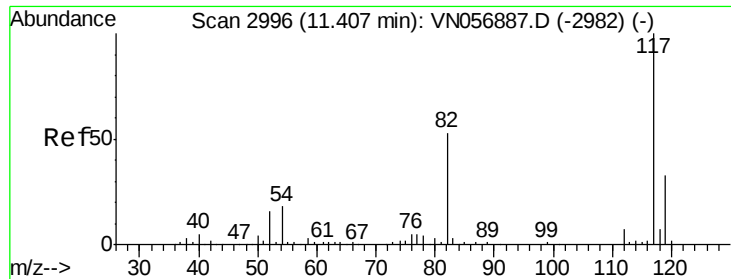
Tgt Ion: 63 Resp: 182208
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.1 37.7
 106 29.1 21.5 32.3



#56
 Bromoform
 Concen: 20.701 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 173 Resp: 62250
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.8 58.2
 254 9.5 8.1 12.1

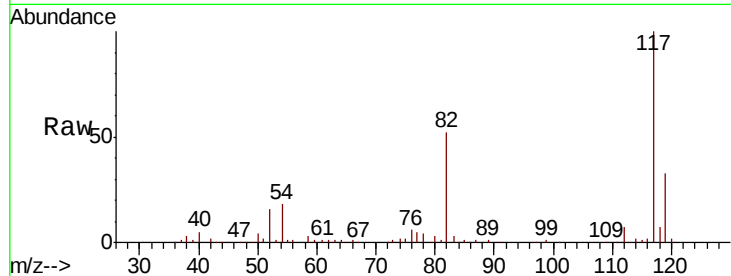




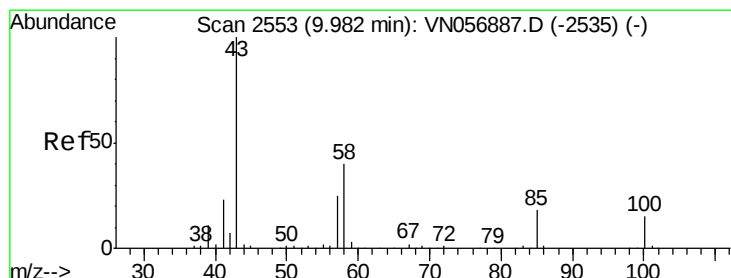
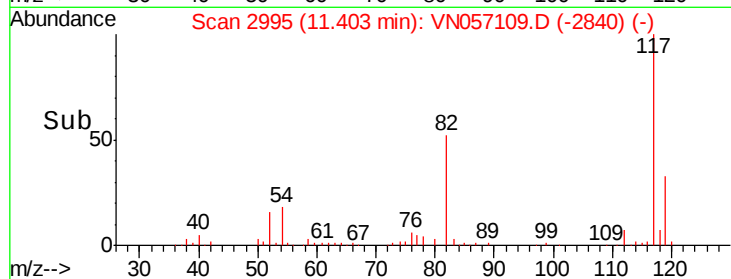
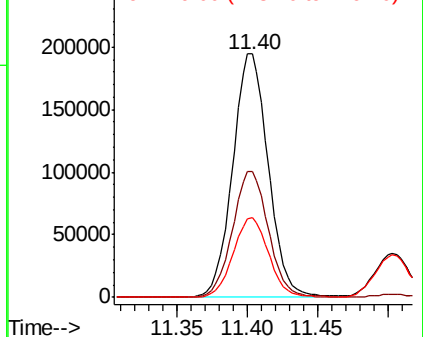
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 344193
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.5 26.2 39.2

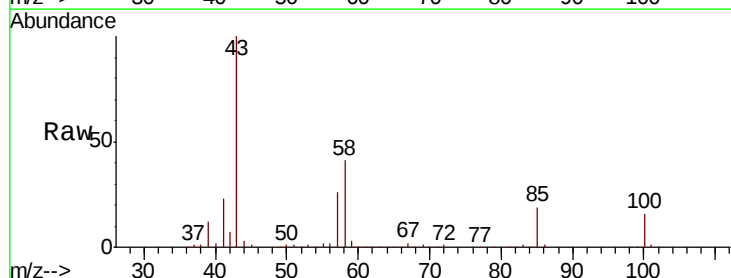


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

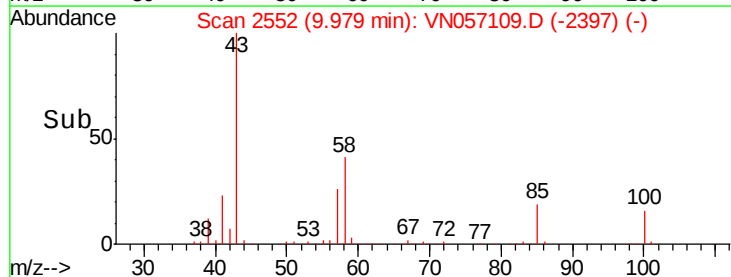
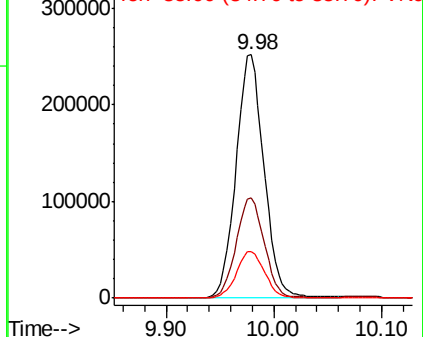


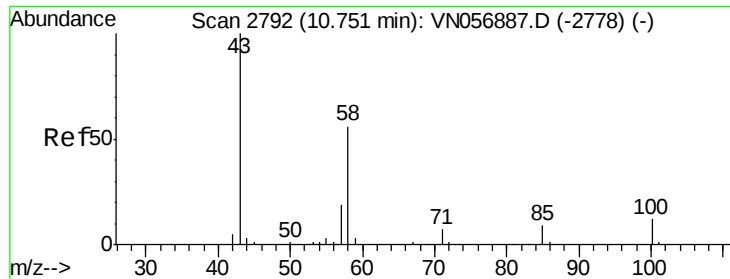
#58
4-Methyl-2-Pentanone
Concen: 98.437 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 43 Resp: 454671
Ion Ratio Lower Upper
43 100
58 41.6 31.7 47.5
85 19.5 14.5 21.7



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

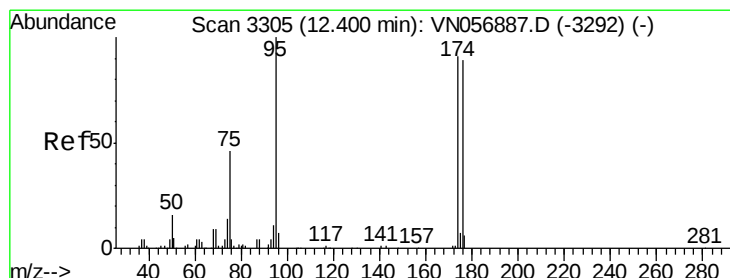
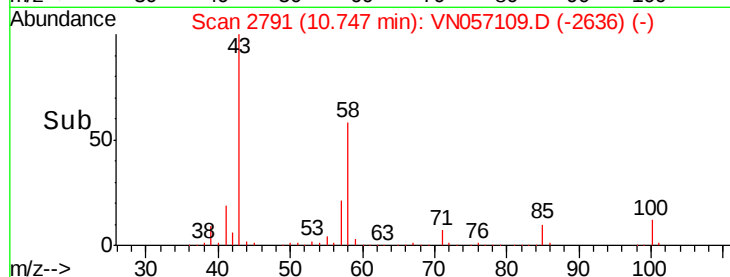
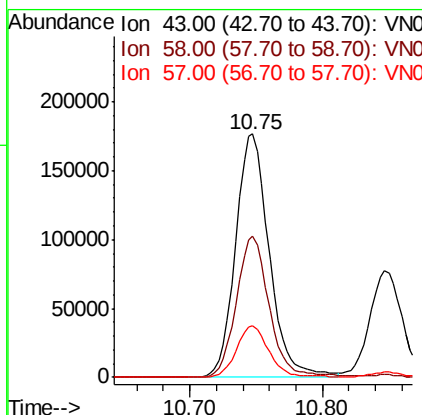
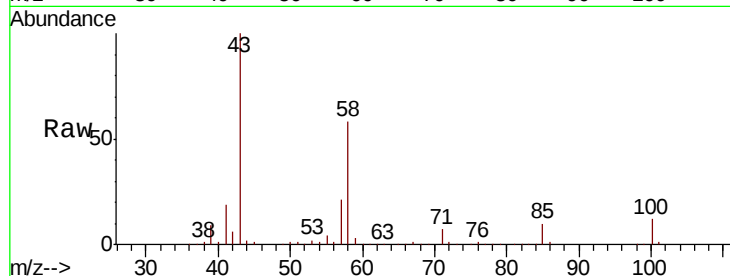




#59
2-Hexanone
Concen: 98.507 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

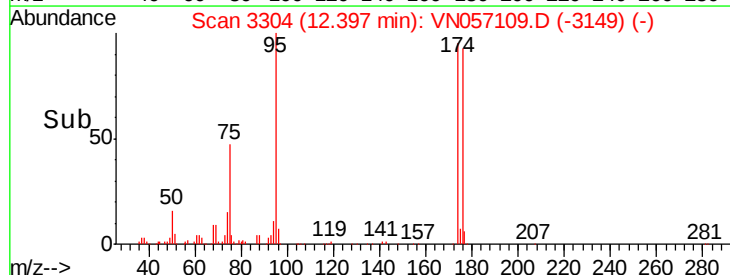
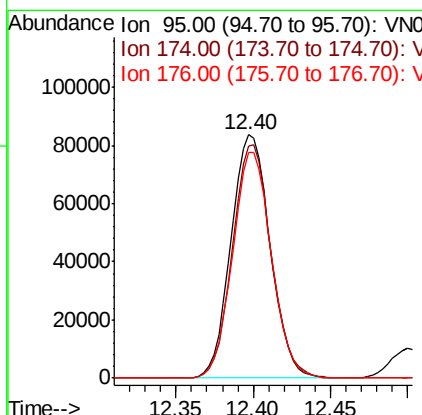
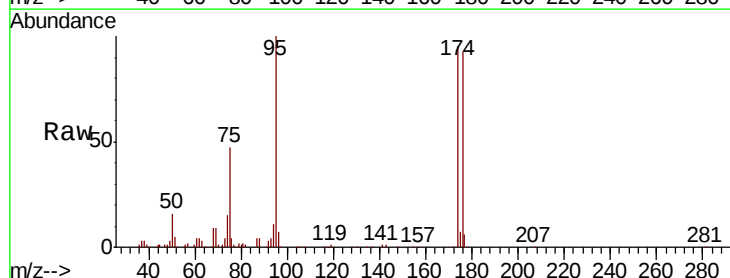
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

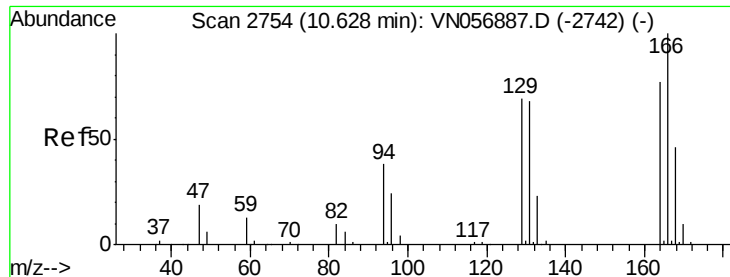
Tgt Ion: 43 Resp: 310043
Ion Ratio Lower Upper
43 100
58 57.3 45.0 67.4
57 20.6 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 28.482 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 95 Resp: 146928
Ion Ratio Lower Upper
95 100
174 94.5 71.9 107.9
176 91.8 69.8 104.8





#61

Tetrachloroethene

Concen: 20.522 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 98993

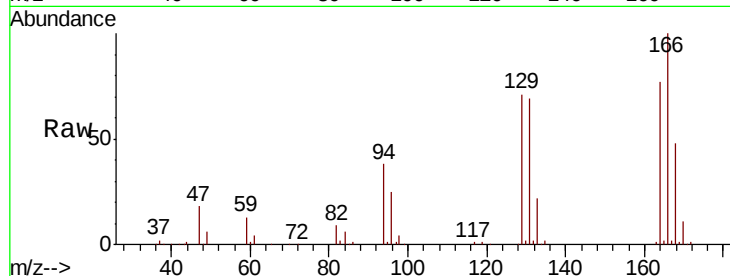
Ion Ratio Lower Upper

164 100

166 129.1 103.9 155.9

129 91.6 72.4 108.6

131 89.2 70.3 105.5

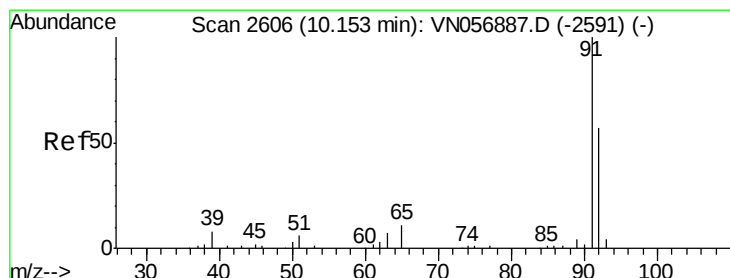
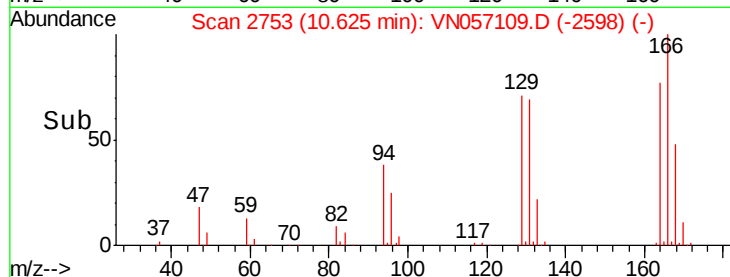
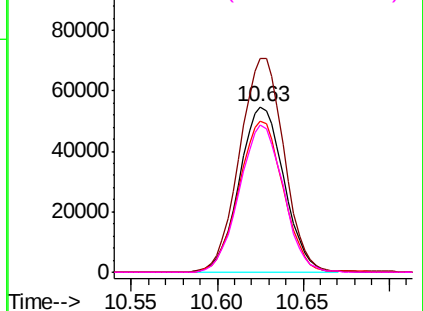


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.034 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057109.D

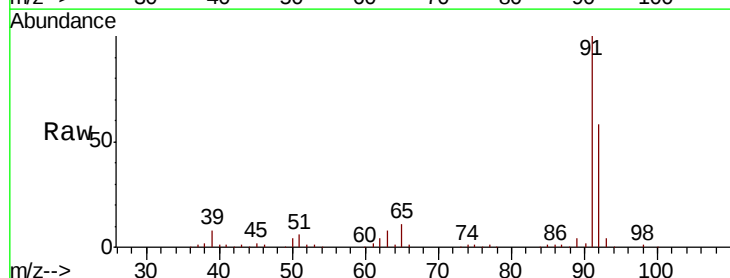
Acq: 6 Aug 2019 17:35

Tgt Ion: 91 Resp: 393755

Ion Ratio Lower Upper

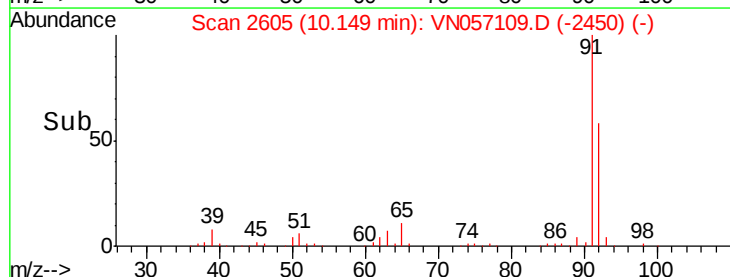
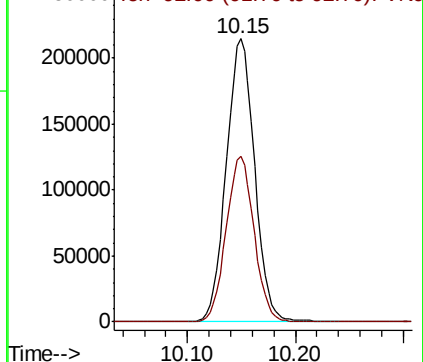
91 100

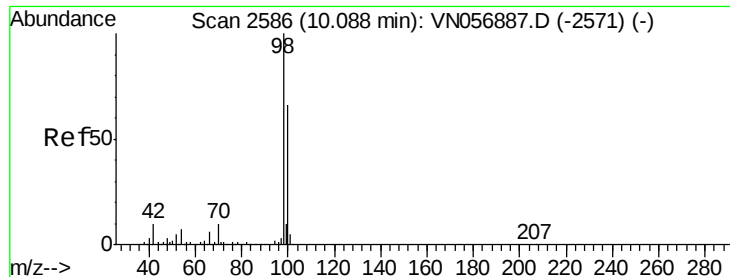
92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.701 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

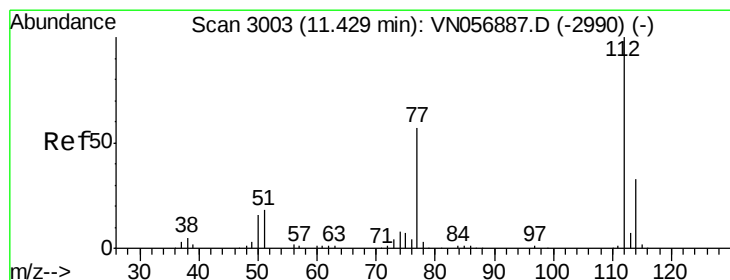
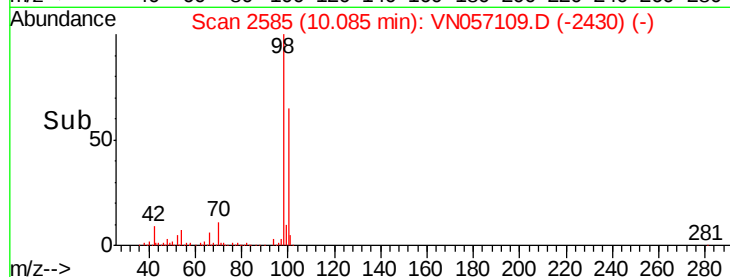
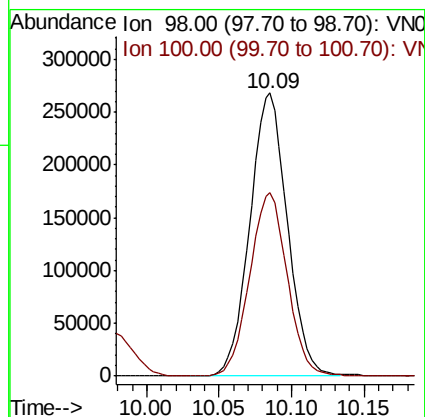
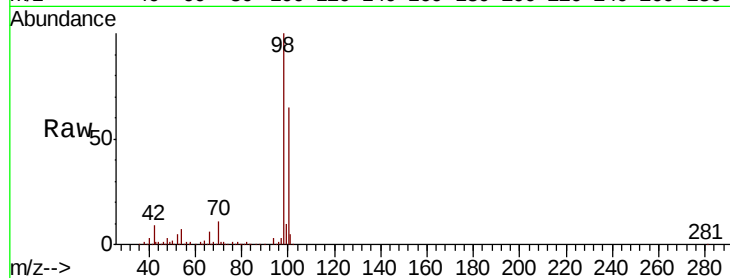
VSTDCCC020EC

Tgt Ion: 98 Resp: 482896

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2



#64

Chlorobenzene

Concen: 21.068 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057109.D

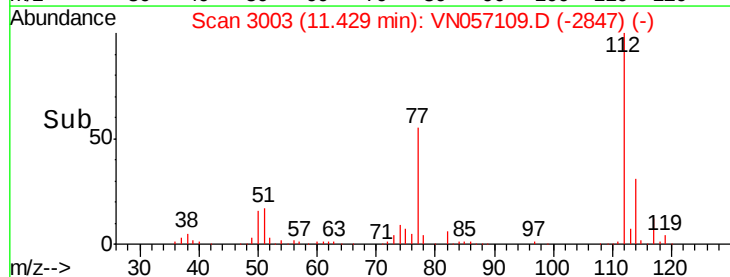
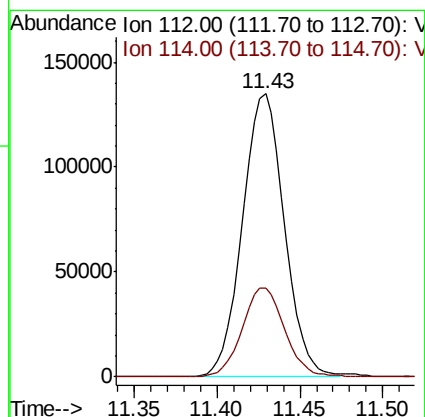
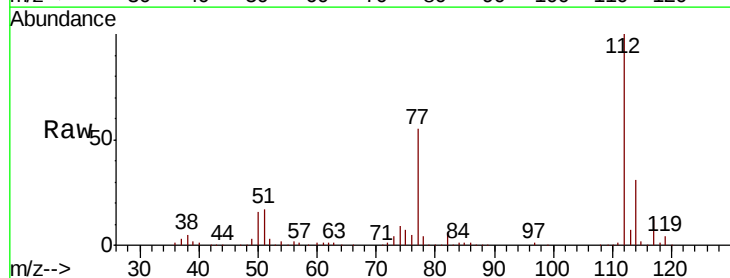
Acq: 6 Aug 2019 17:35

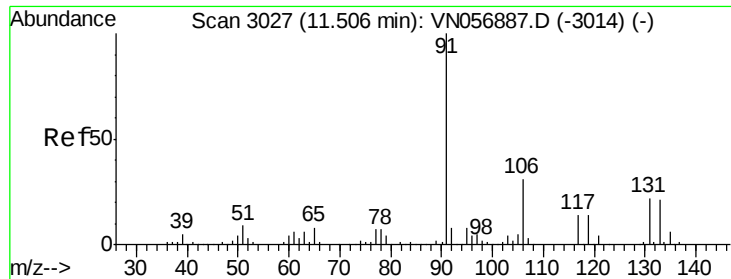
Tgt Ion: 112 Resp: 237564

Ion Ratio Lower Upper

112 100

114 31.4 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 21.282 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

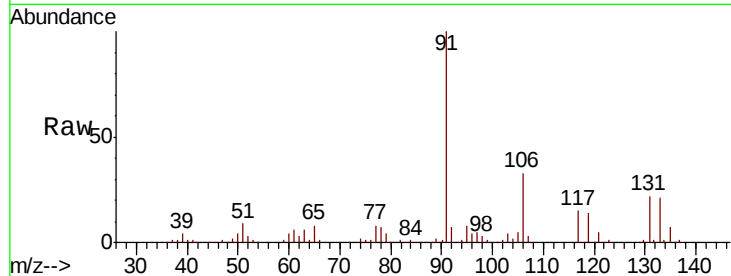
Tgt Ion:131 Resp: 90892

Ion Ratio Lower Upper

131 100

133 96.5 0.0 189.6

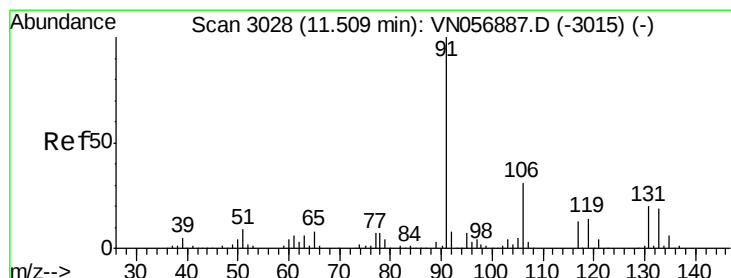
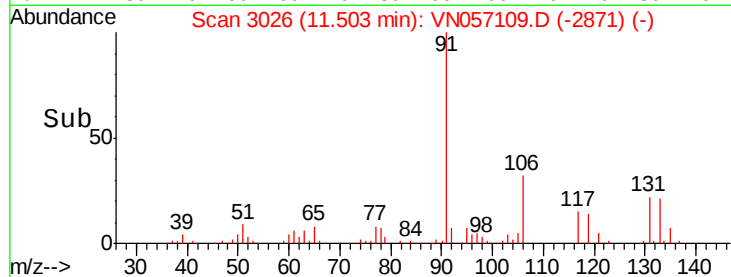
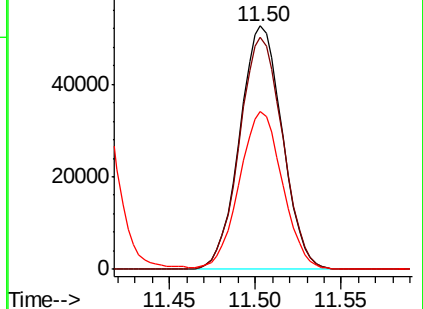
119 65.4 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.843 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057109.D

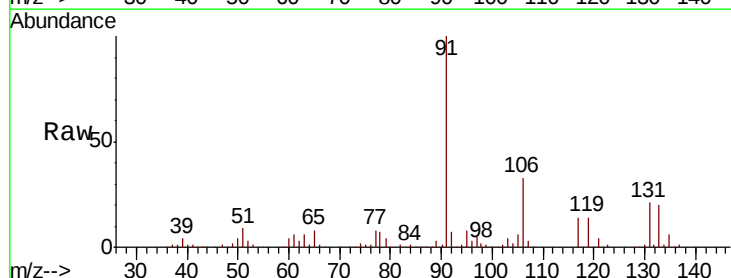
Acq: 6 Aug 2019 17:35

Tgt Ion: 91 Resp: 411159

Ion Ratio Lower Upper

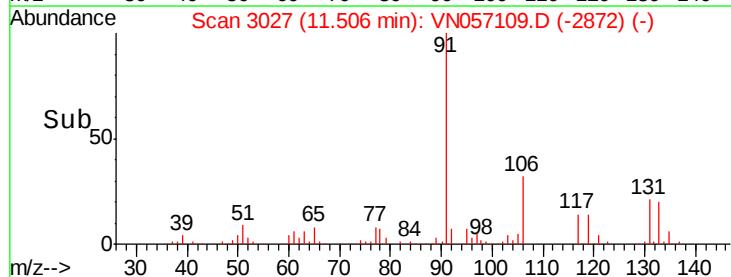
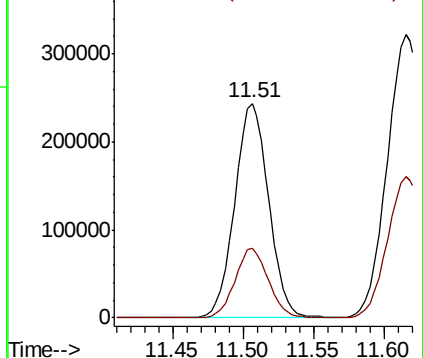
91 100

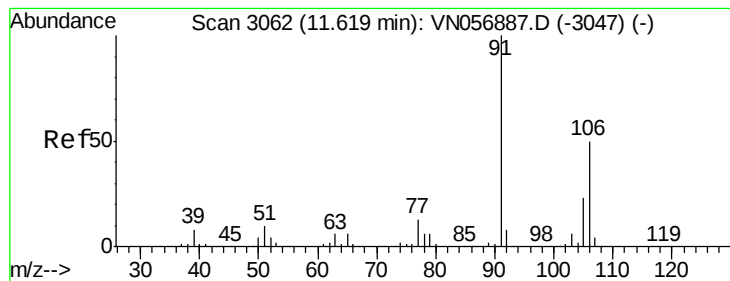
106 32.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 42.175 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

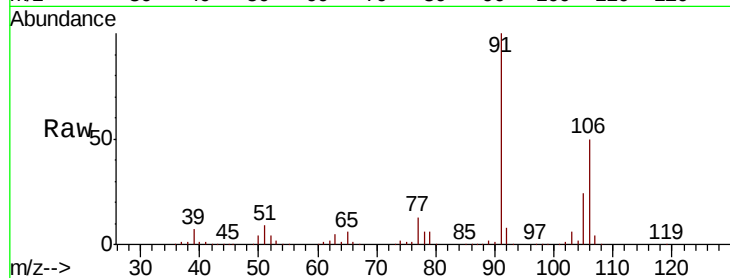
VSTDCCC020EC

Tgt Ion:106 Resp: 310234

Ion Ratio Lower Upper

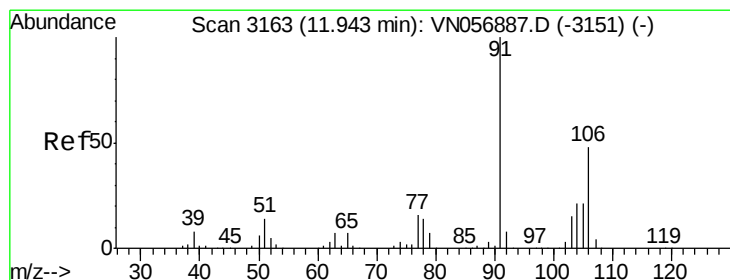
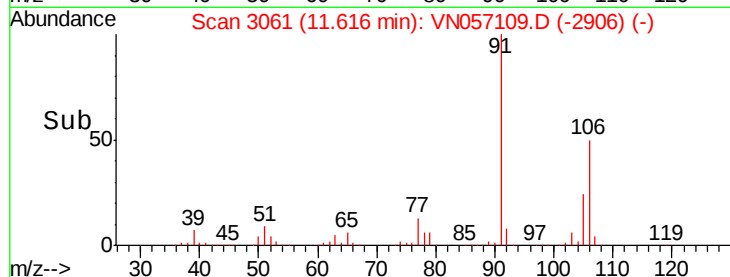
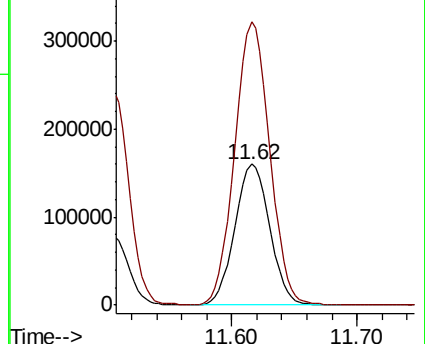
106 100

91 201.1 160.6 240.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 21.034 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN057109.D

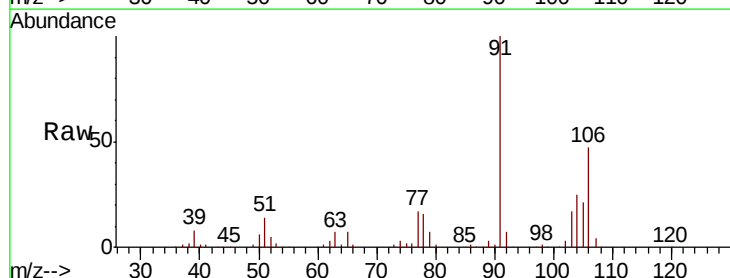
Acq: 6 Aug 2019 17:35

Tgt Ion:106 Resp: 152122

Ion Ratio Lower Upper

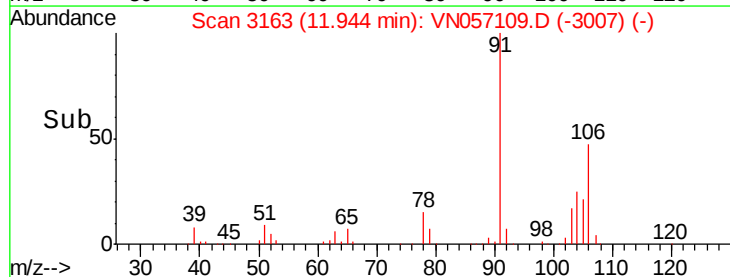
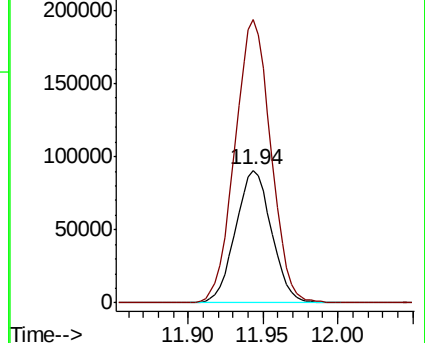
106 100

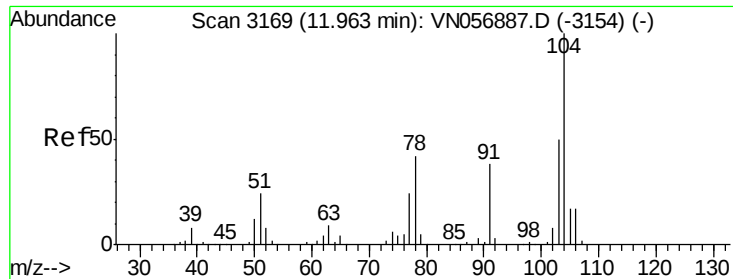
91 212.9 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

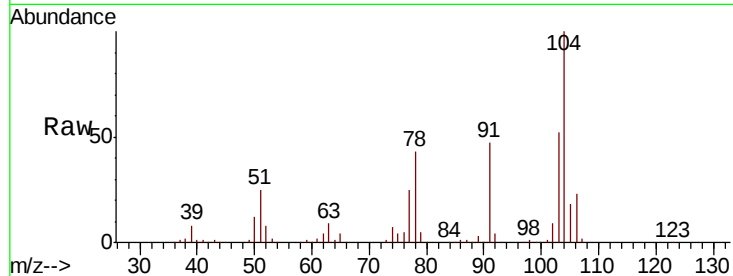




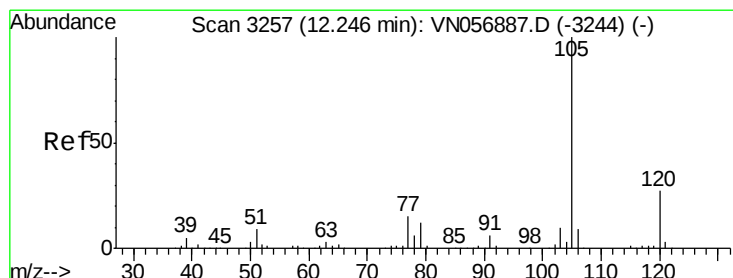
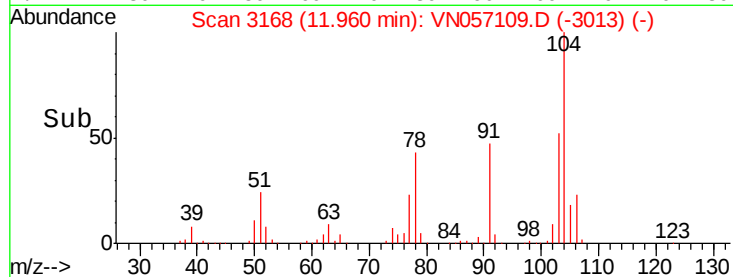
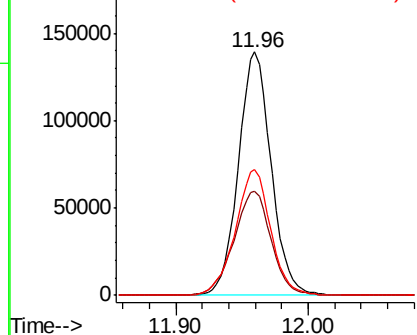
#69
Styrene
Concen: 20.398 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 239060
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.6 44.7 67.1

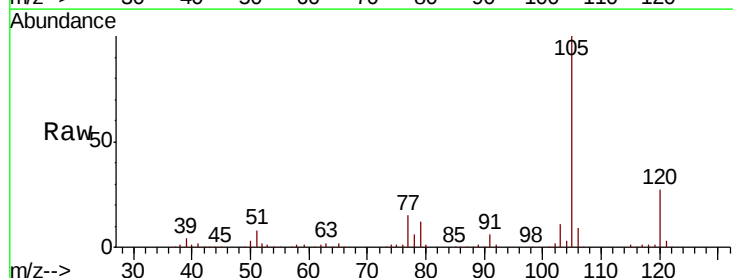


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

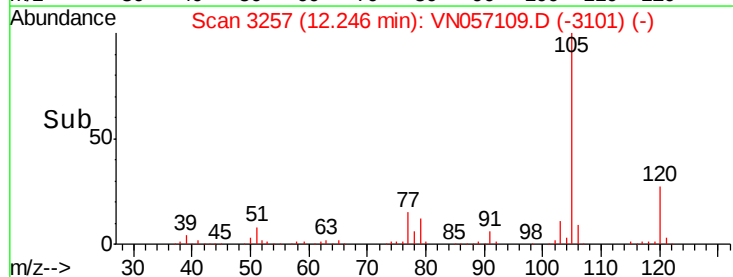
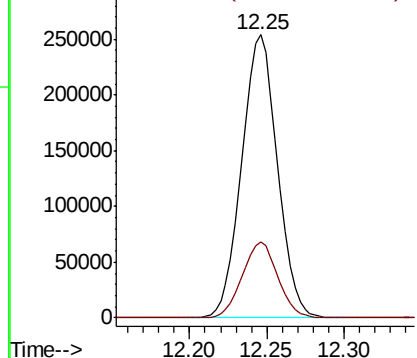


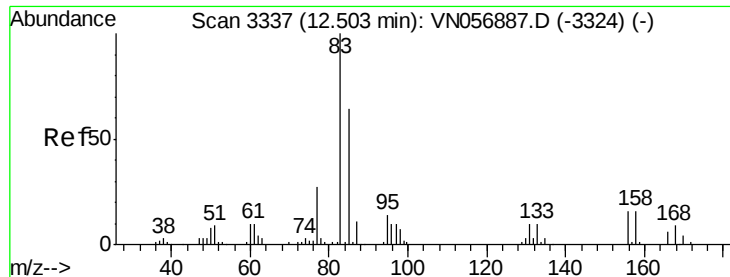
#70
Isopropylbenzene
Concen: 21.391 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion:105 Resp: 407355
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

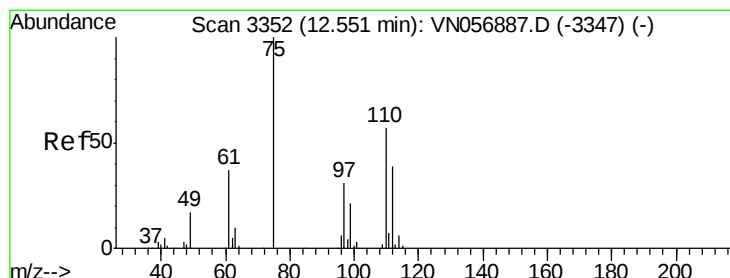
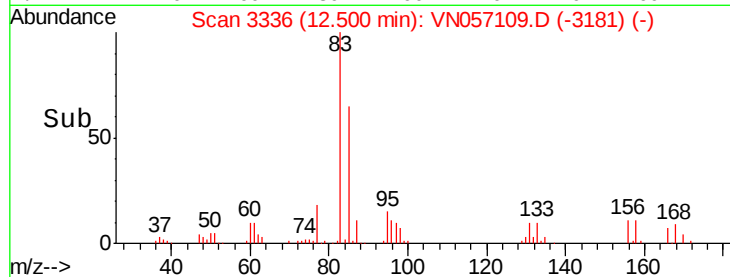
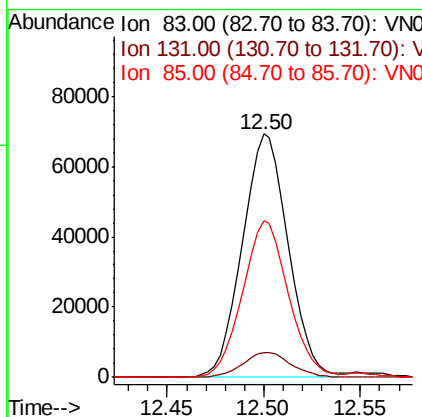
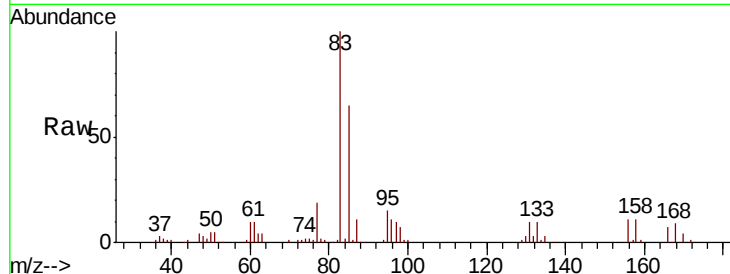




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.356 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

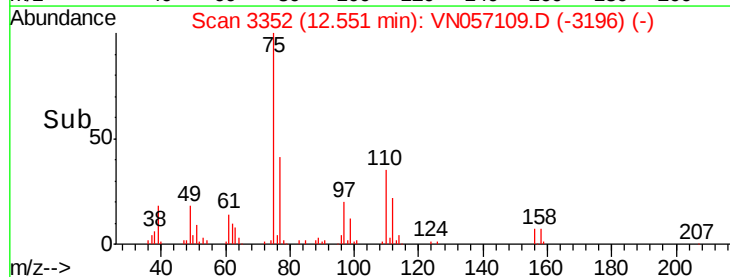
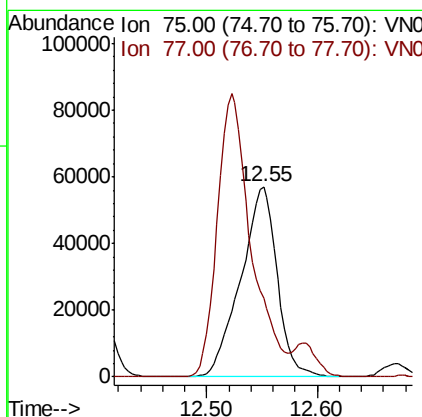
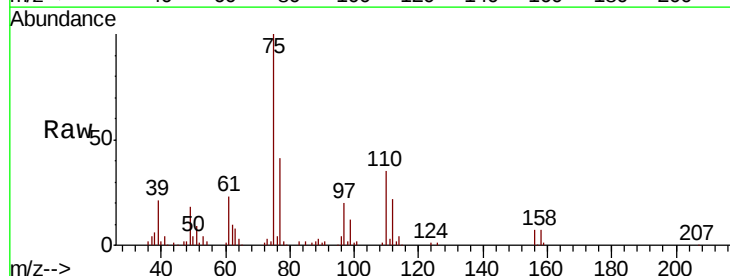
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

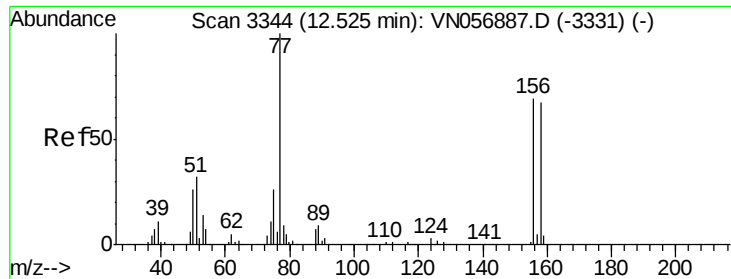
Tgt Ion: 83 Resp: 113905
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.1 15.2
 85 64.5 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 27.813 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 75 Resp: 130523
 Ion Ratio Lower Upper
 75 100
 77 138.6 0.0 378.6





#73

Bromobenzene

Concen: 20.790 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

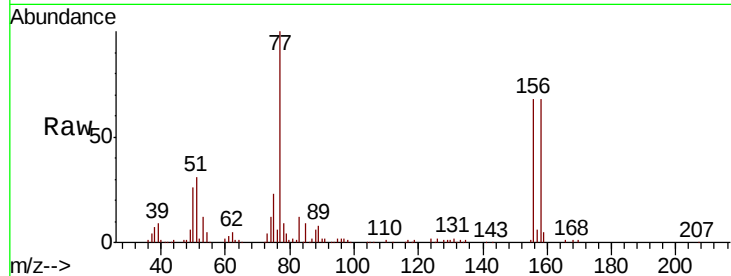
Tgt Ion:156 Resp: 102160

Ion Ratio Lower Upper

156 100

77 177.1 0.0 364.6

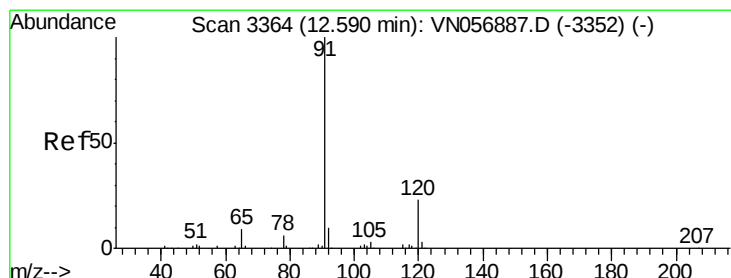
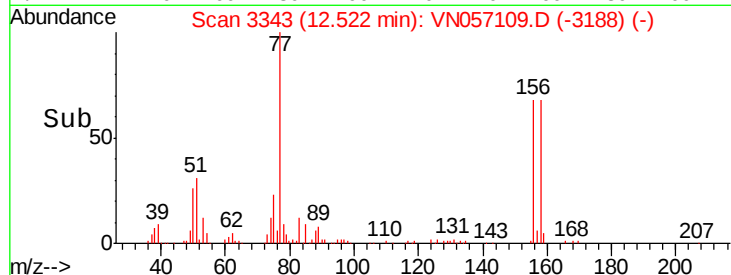
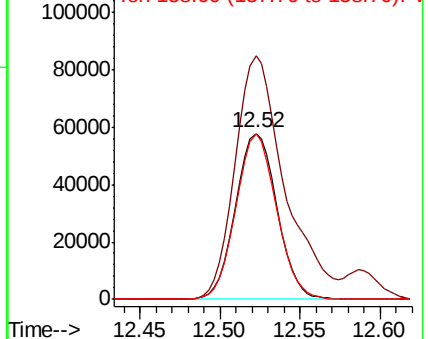
158 97.9 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.209 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057109.D

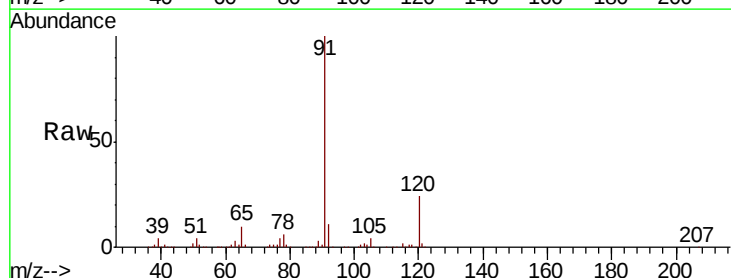
Acq: 6 Aug 2019 17:35

Tgt Ion: 91 Resp: 420780

Ion Ratio Lower Upper

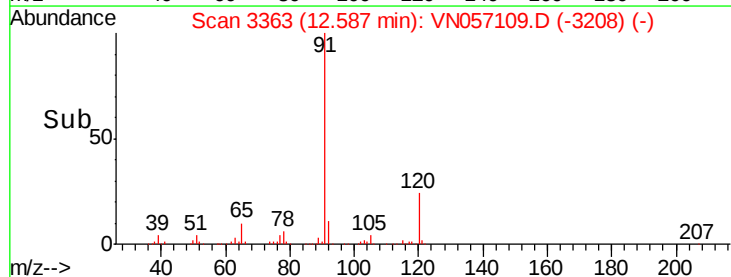
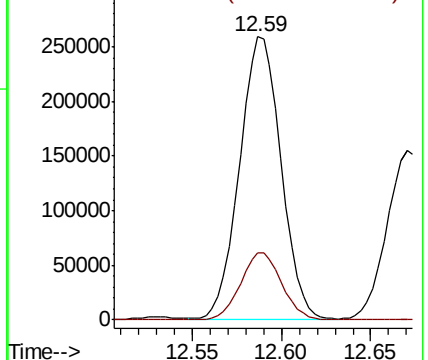
91 100

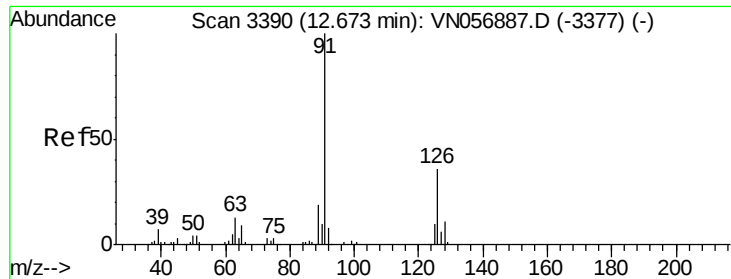
120 23.5 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.770 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

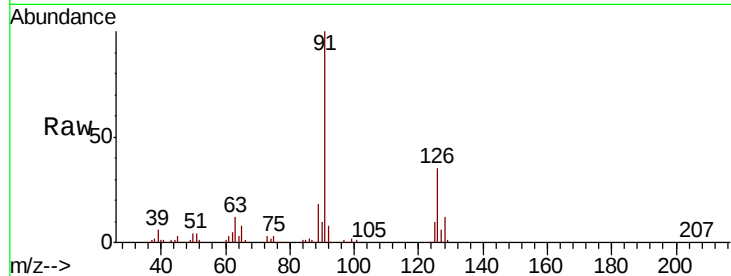
VSTDCCC020EC

Tgt Ion: 91 Resp: 262187

Ion Ratio Lower Upper

91 100

126 35.4 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)

250000

200000

150000

100000

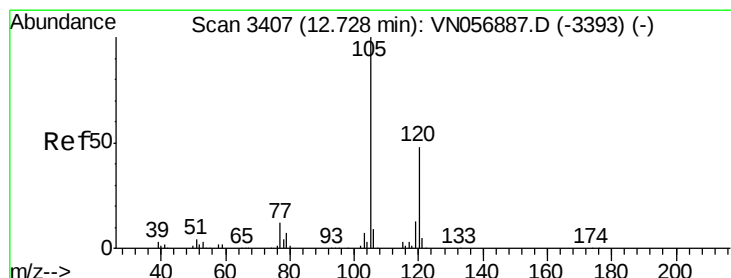
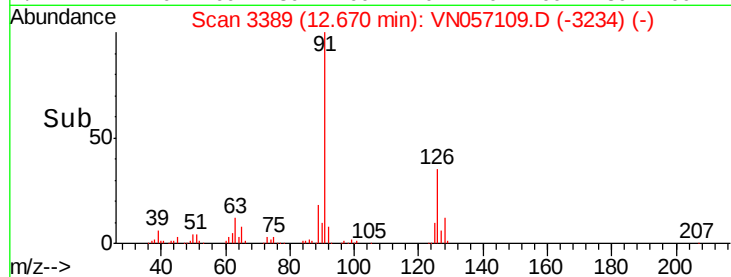
50000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.038 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057109.D

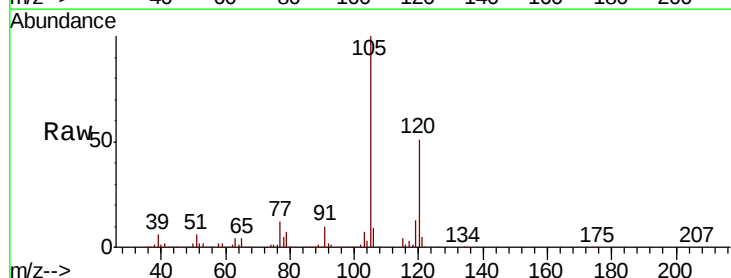
Acq: 6 Aug 2019 17:35

Tgt Ion: 105 Resp: 337270

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

250000

200000

150000

100000

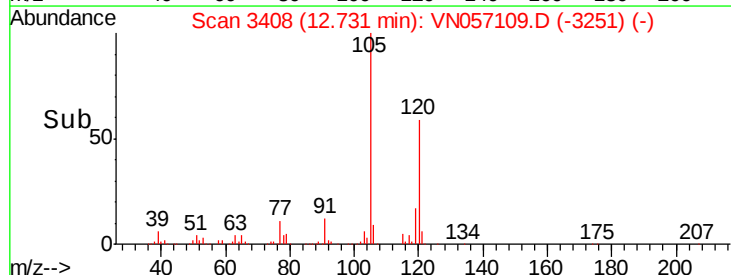
50000

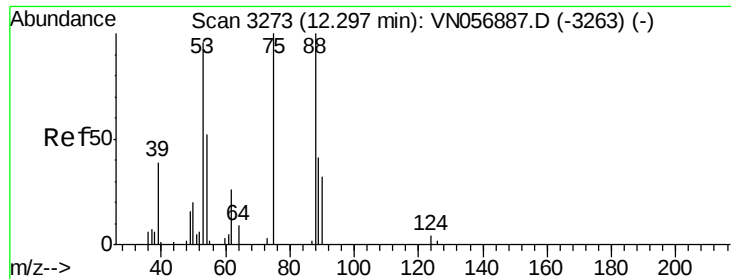
0

12.65 12.70 12.75 12.80

12.73

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.282 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

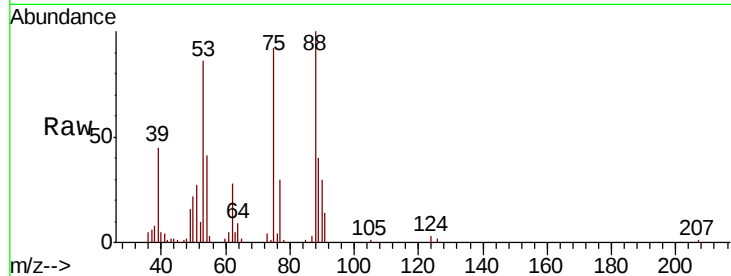
Tgt Ion: 75 Resp: 28411

Ion Ratio Lower Upper

75 100

53 93.0 48.0 144.0

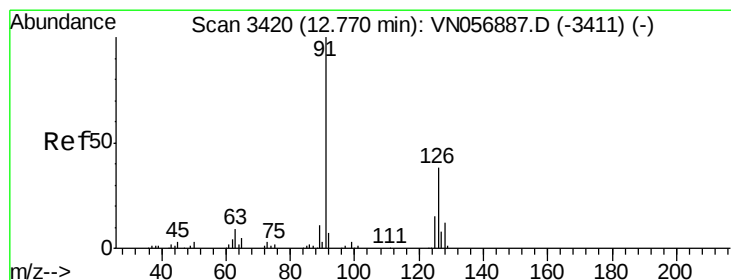
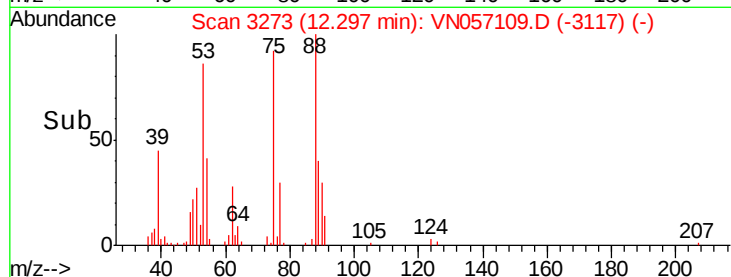
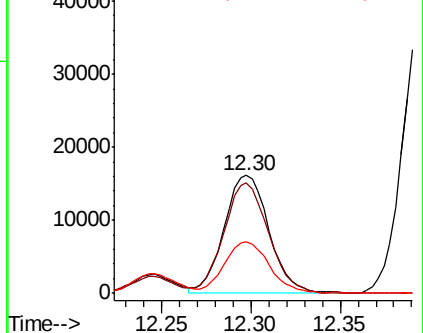
89 43.3 21.4 64.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.120 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057109.D

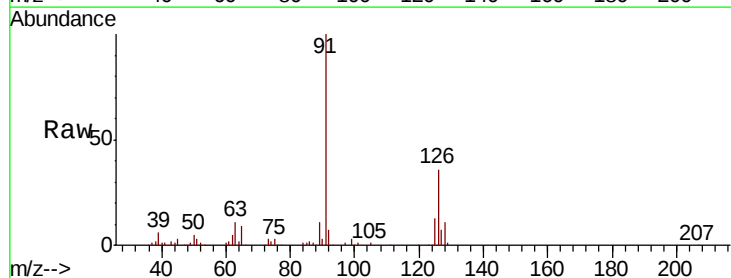
Acq: 6 Aug 2019 17:35

Tgt Ion: 91 Resp: 241428

Ion Ratio Lower Upper

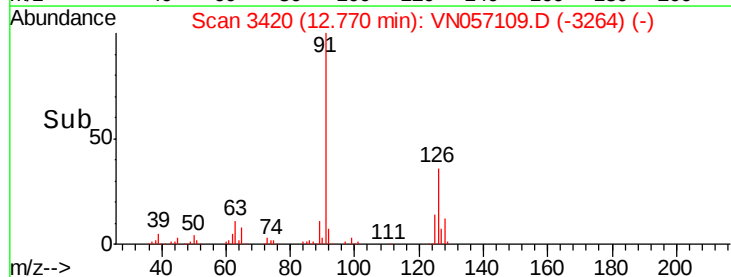
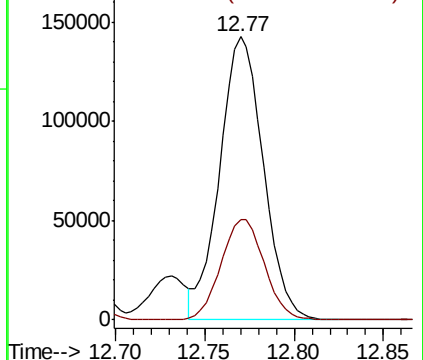
91 100

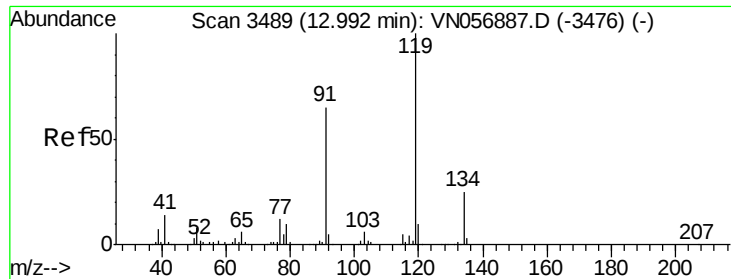
126 35.4 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

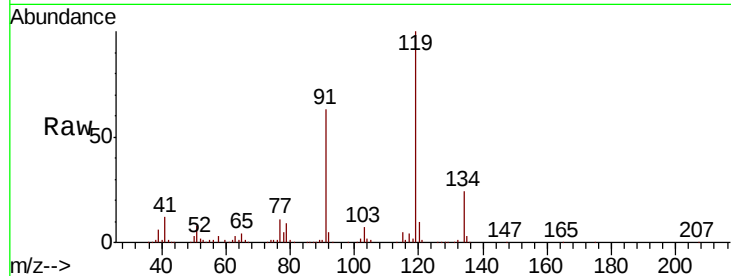




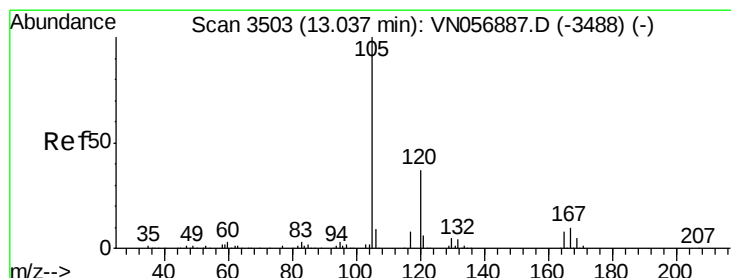
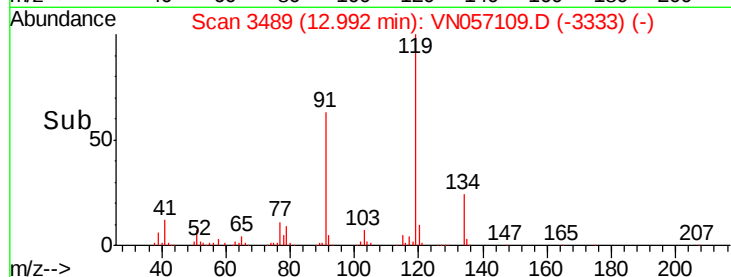
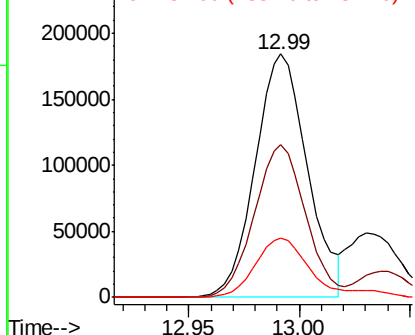
#79
tert-butylbenzene
Concen: 21.887 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 302782
Ion Ratio Lower Upper
119 100
91 61.8 0.0 126.8
134 26.3 0.0 48.8

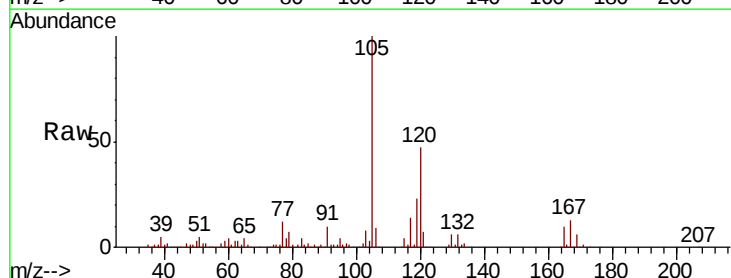


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

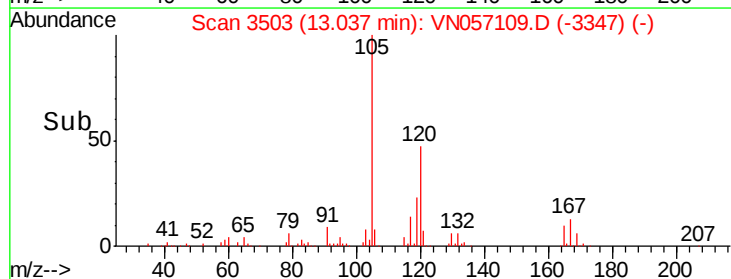
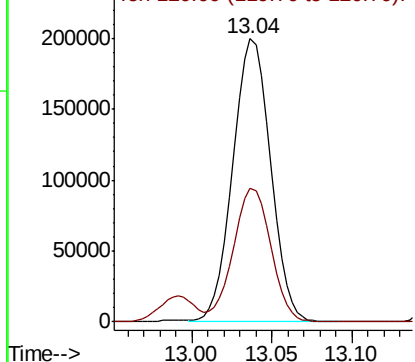


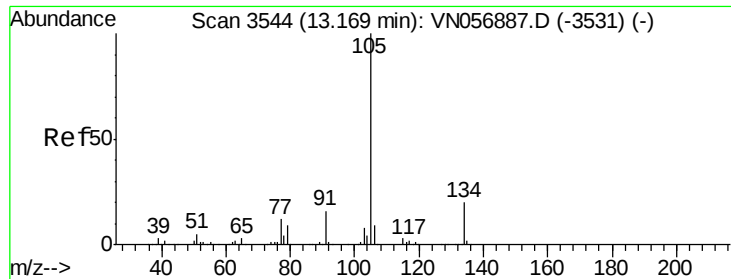
#80
1,2,4-Trimethylbenzene
Concen: 20.513 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion:105 Resp: 320583
Ion Ratio Lower Upper
105 100
120 47.2 0.0 90.6



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

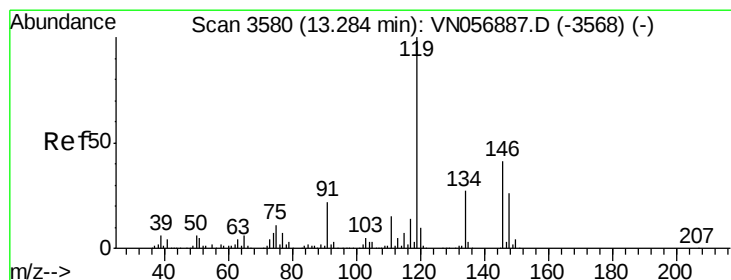
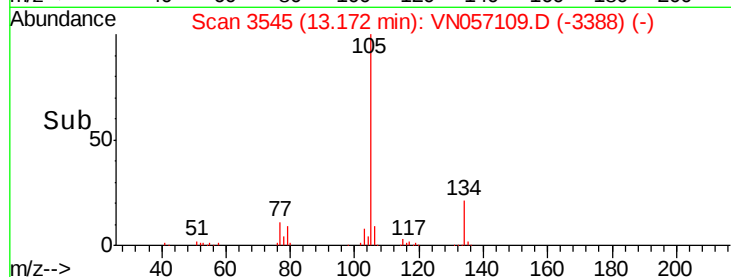
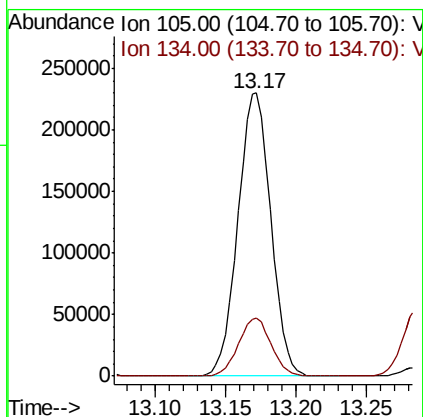
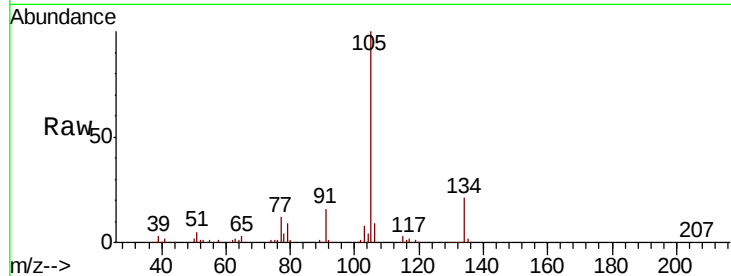




#81
 sec-Butylbenzene
 Concen: 20.838 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

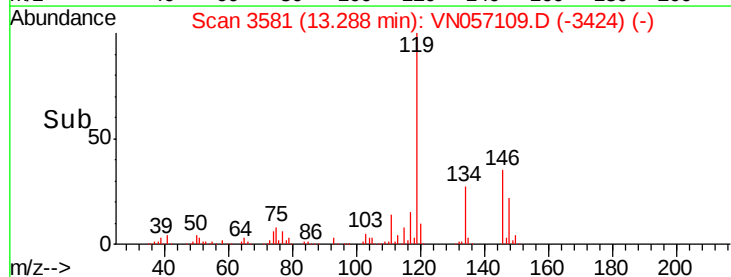
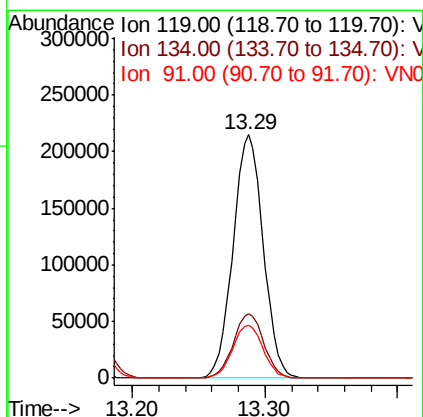
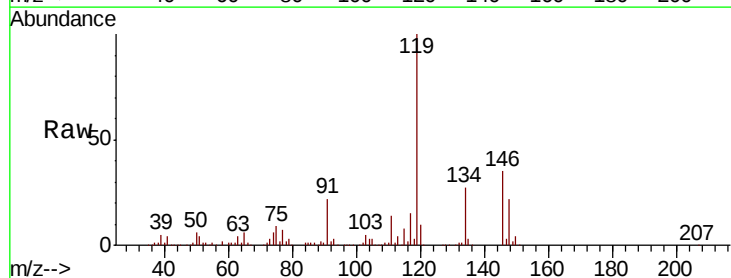
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

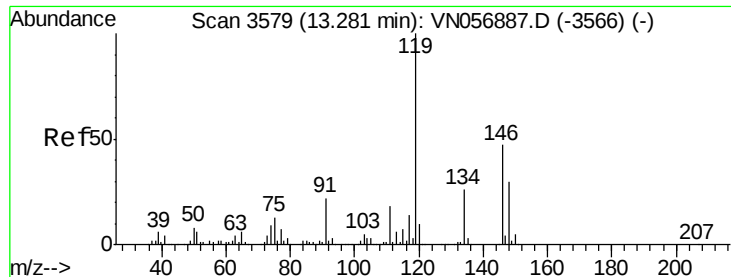
Tgt Ion:105 Resp: 376362
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 41.2



#82
 p-Isopropyltoluene
 Concen: 20.821 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion:119 Resp: 337735
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.2
 91 22.0 0.0 44.0

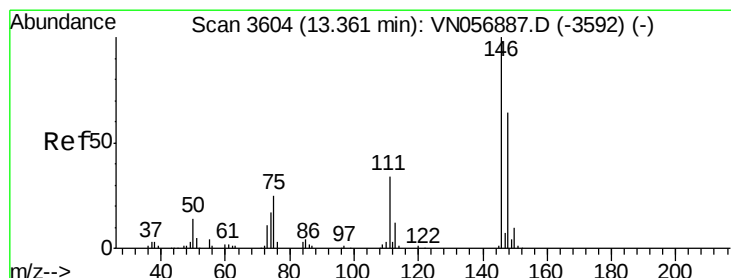
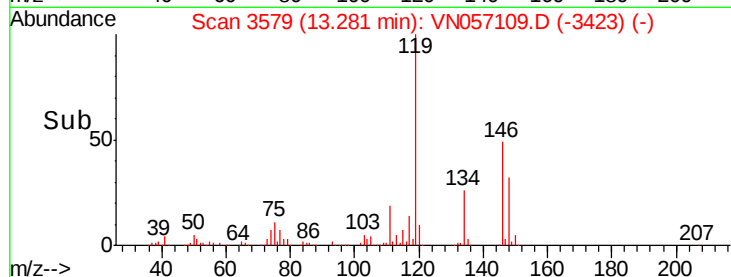
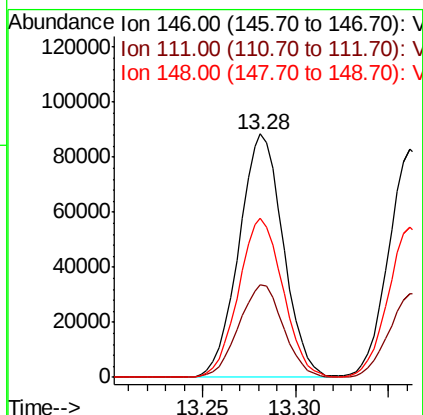
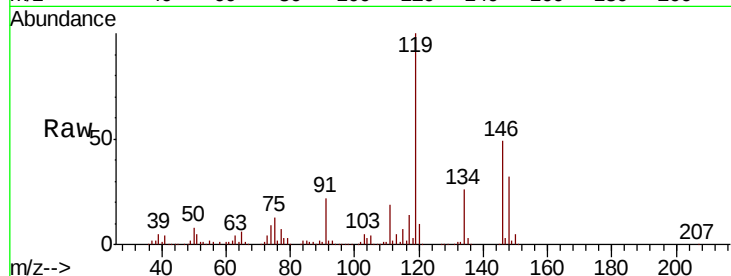




#83
 1,3-Dichlorobenzene
 Concen: 19.010 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

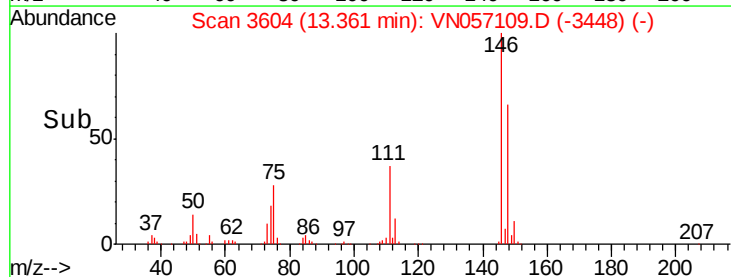
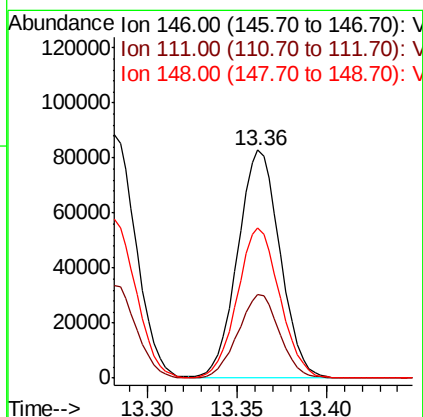
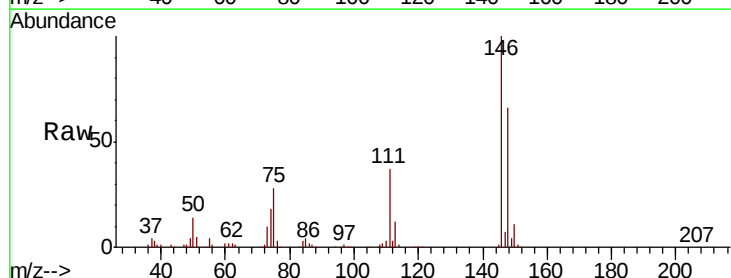
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

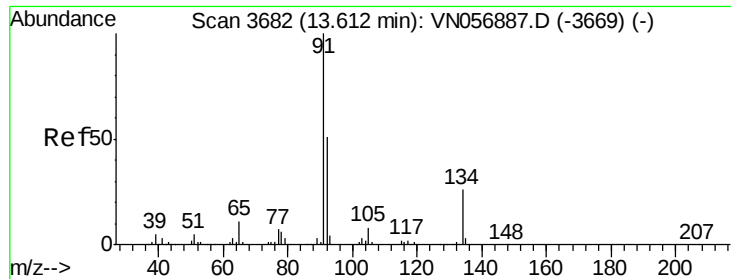
Tgt Ion:146 Resp: 147074
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.8 56.4
 148 65.4 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.716 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion:146 Resp: 136914
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.8 53.5
 148 66.5 32.6 97.7





#85

n-Butylbenzene

Concen: 18.341 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

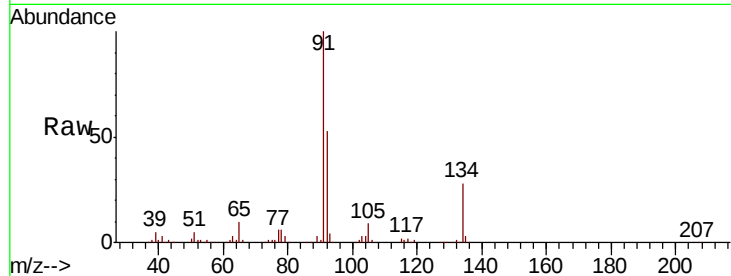
Tgt Ion: 91 Resp: 233607

Ion Ratio Lower Upper

91 100

92 52.4 0.0 101.8

134 27.7 0.0 52.4

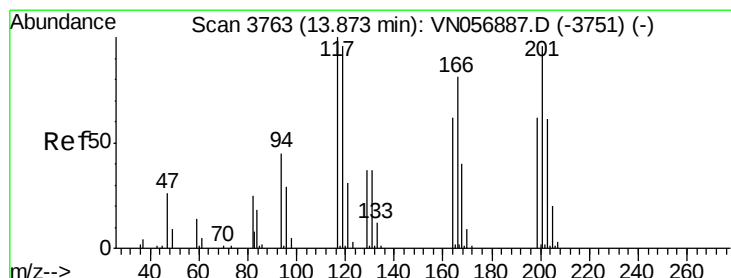
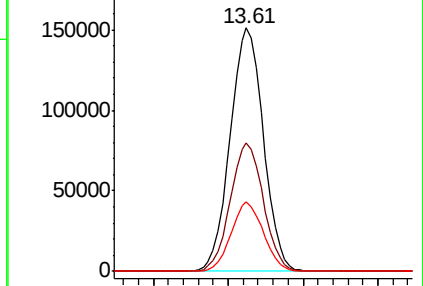
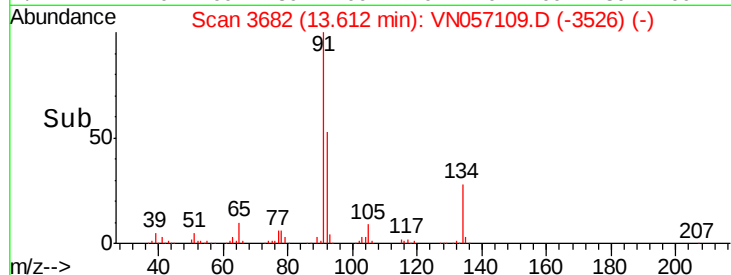


Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056887.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 20.728 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057109.D

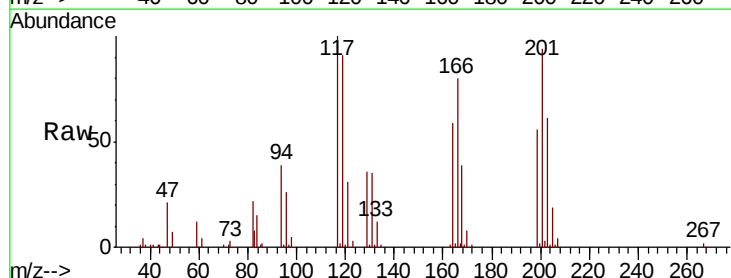
Acq: 6 Aug 2019 17:35

Tgt Ion: 117 Resp: 56269

Ion Ratio Lower Upper

117 100

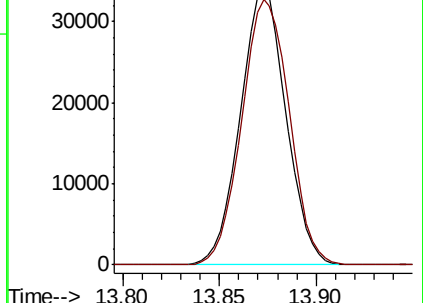
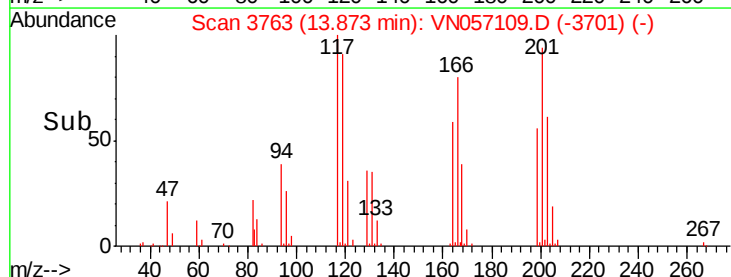
201 99.4 47.8 143.3

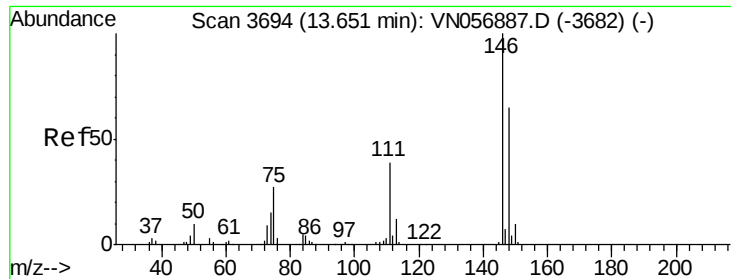


Abundance Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)

Time-->

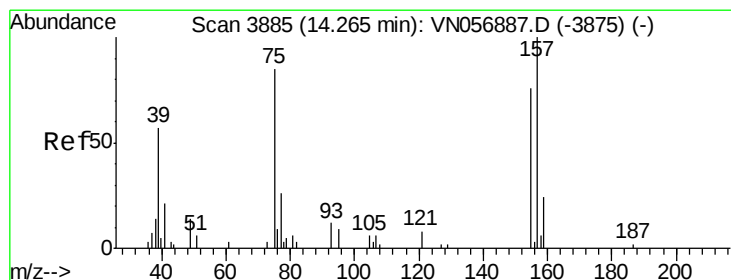
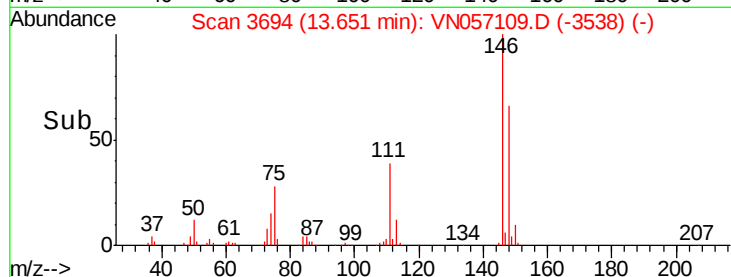
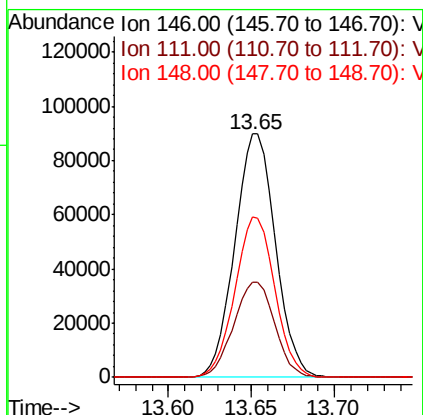
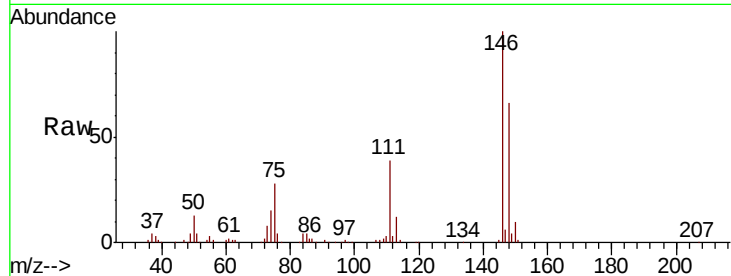




#87
 1,2-Dichlorobenzene
 Concen: 19.913 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

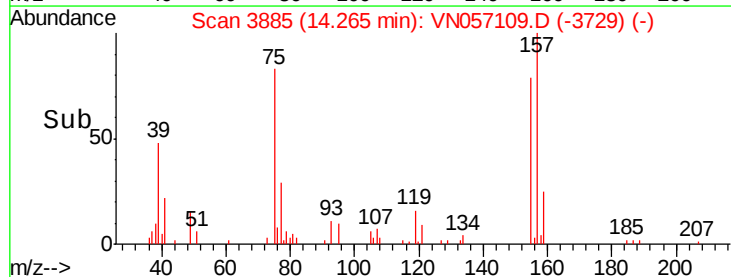
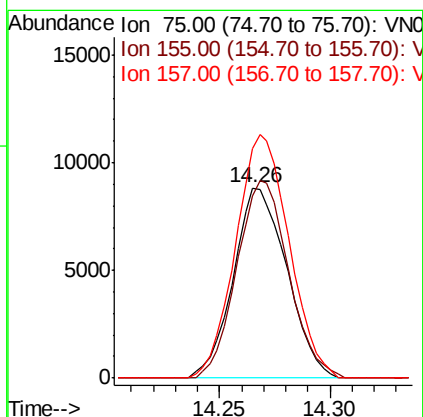
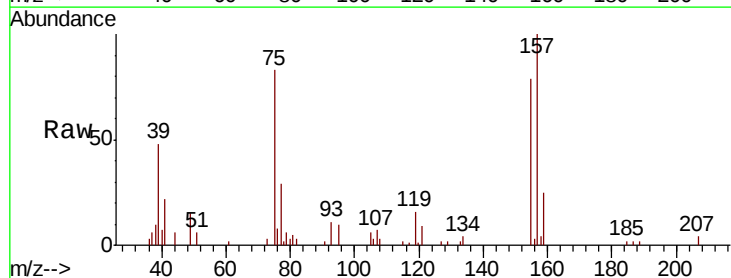
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

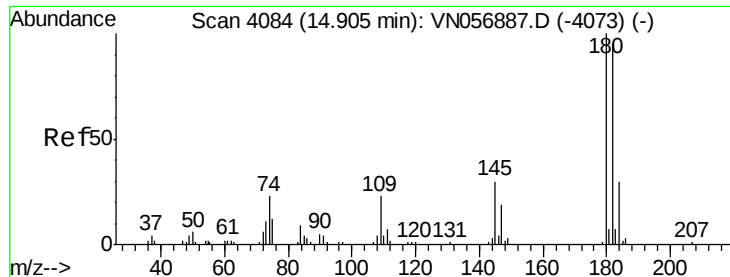
Tgt Ion:146 Resp: 153029
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.8
 148 64.3 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.054 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 75 Resp: 14897
 Ion Ratio Lower Upper
 75 100
 155 100.6 73.4 110.2
 157 127.4 95.0 142.6

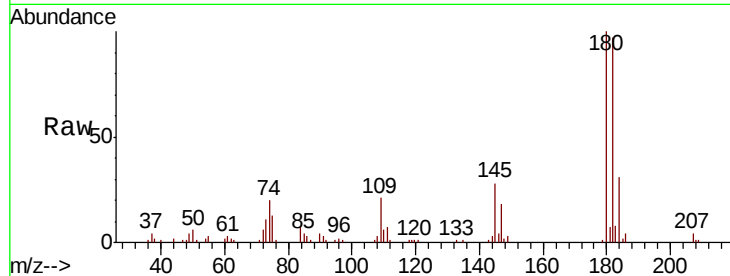




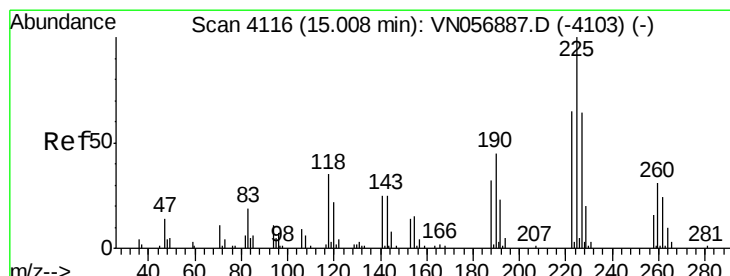
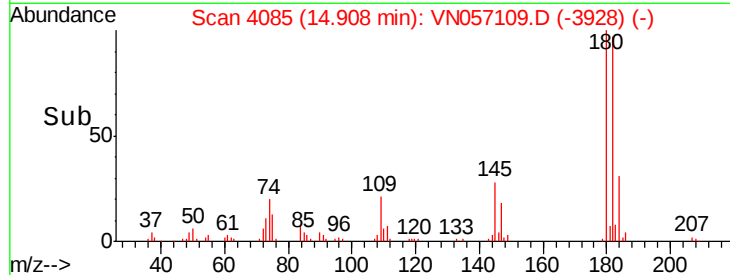
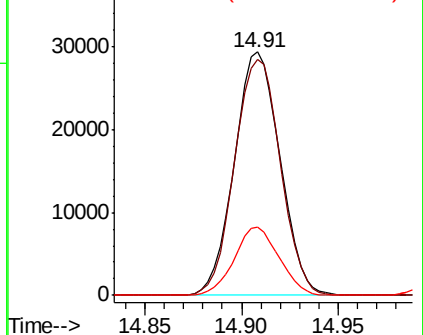
#89
1,2,4-Trichlorobenzene
Concen: 17.127 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:180 Resp: 48229
Ion Ratio Lower Upper
180 100
182 97.4 77.0 115.4
145 27.4 23.5 35.3

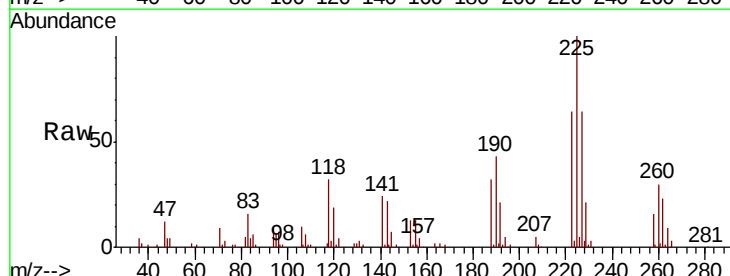


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

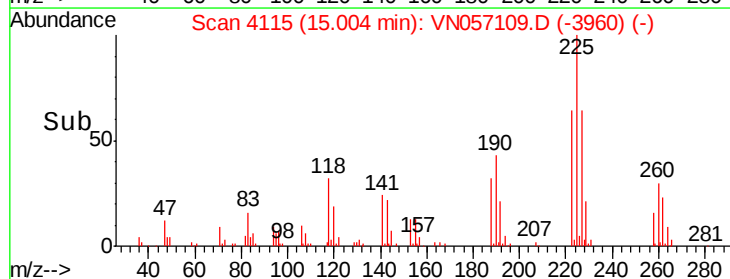
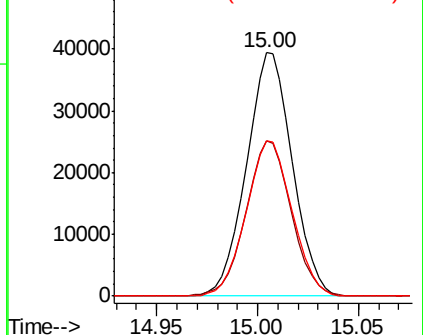


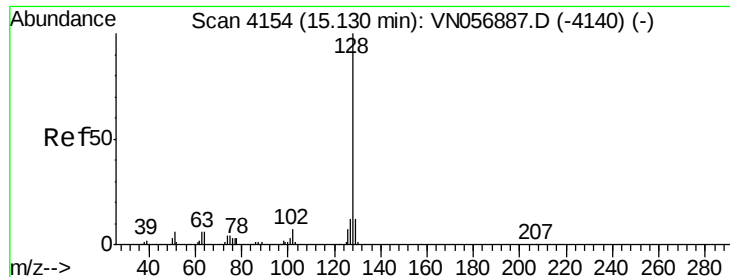
#90
Hexachlorobutadiene
Concen: 22.167 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion:225 Resp: 62616
Ion Ratio Lower Upper
225 100
223 63.1 0.0 130.0
227 63.5 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: 16.269 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

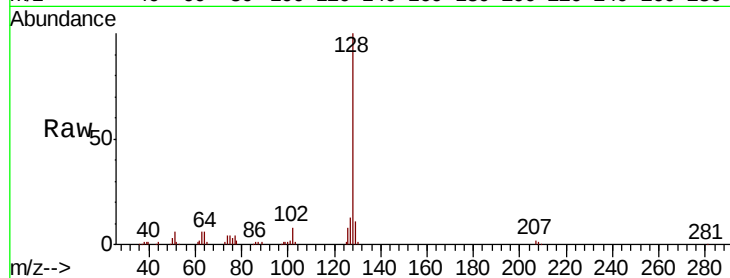
Tgt Ion:128 Resp: 116677

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

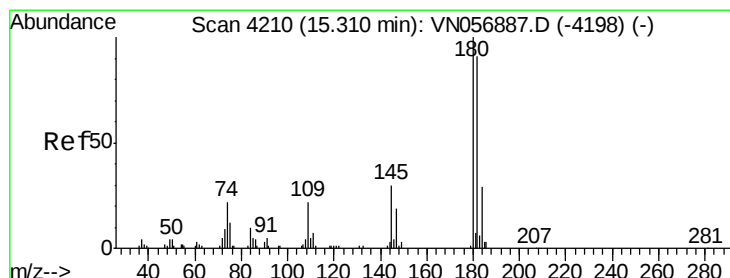
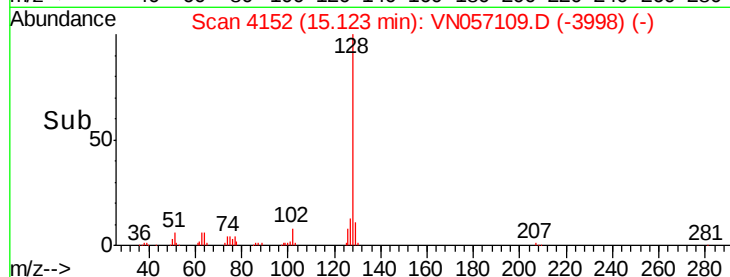
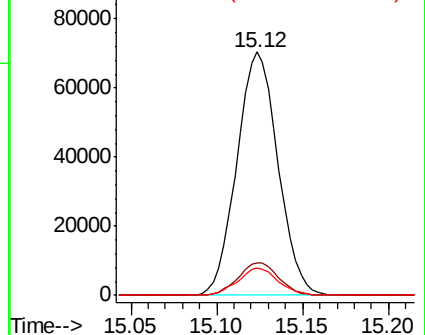
129 11.0 8.9 13.3



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: 13.831 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

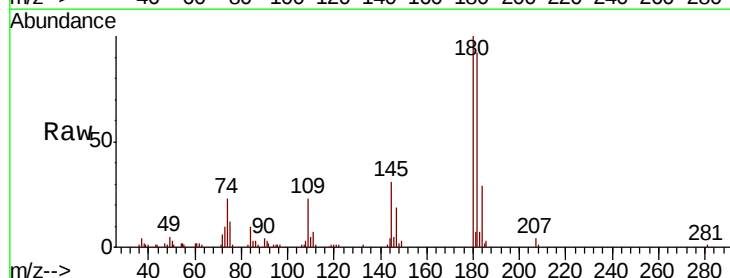
Tgt Ion:180 Resp: 56190

Ion Ratio Lower Upper

180 100

182 97.4 0.0 188.0

145 30.5 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

