

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059566.D
 Acq On : 11 Dec 2019 17:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 12 00:53:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	527580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	830477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	762997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	365810	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	359077	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	
35) Dibromofluoromethane	7.57	113	257805	52.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.04%	
50) Toluene-d8	10.08	98	1041492	51.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	378109	50.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	154920	25.459	ug/l	99
3) Chloromethane	2.04	50	247719	26.893	ug/l	99
4) Vinyl Chloride	2.17	62	248178	27.334	ug/l	99
5) Bromomethane	2.54	94	140995	25.495	ug/l	100
6) Chloroethane	2.68	64	144250	26.606	ug/l	96
7) Trichlorofluoromethane	3.00	101	303579	27.970	ug/l	100
8) Diethyl Ether	3.38	74	90702	24.385	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	146892	26.005	ug/l	100
10) Methyl Iodide	3.92	142	187388	24.500	ug/l	99
11) Tert butyl alcohol	4.76	59	165583	135.739	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	137552	25.050	ug/l	96
13) Acrolein	3.58	56	82193	138.460	ug/l	100
14) Allyl chloride	4.29	41	279702	26.479	ug/l	99
15) Acrylonitrile	4.95	53	437278	135.913	ug/l	99
16) Acetone	3.79	43	473748	137.537	ug/l	100
17) Carbon Disulfide	4.02	76	433451	24.628	ug/l	100
18) Methyl Acetate	4.29	43	232709	25.732	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	510852	27.987	ug/l	99
20) Methylene Chloride	4.52	84	160375	25.704	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	157851	26.783	ug/l	97
22) Diisopropyl ether	5.92	45	563091	28.002	ug/l	97
23) Vinyl Acetate	5.86	43	2434201	145.114	ug/l	100
24) 1,1-Dichloroethane	5.82	63	310929	27.233	ug/l	99
25) 2-Butanone	6.81	43	661631	142.703	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285062	27.637	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	180592	27.243	ug/l	100
28) Bromochloromethane	7.17	49	113268	27.477	ug/l	98
29) Tetrahydrofuran	7.18	42	427121	132.440	ug/l	99
30) Chloroform	7.35	83	311159	27.614	ug/l	99
31) Cyclohexane	7.63	56	287558	25.881	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	273487	27.359	ug/l	100
36) 1,1-Dichloropropene	7.77	75	240175	28.188	ug/l	100
37) Ethyl Acetate	6.90	43	263332	27.226	ug/l	99
38) Carbon Tetrachloride	7.75	117	237349	28.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275033	28.777	ug/l	99
40) Benzene	8.02	78	677133	27.819	ug/l	99
41) Methacrylonitrile	7.18	41	388451	93.814	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	261734	28.861	ug/l	100
43) Isopropyl Acetate	8.14	43	420643	28.600	ug/l	99
44) Trichloroethene	8.82	130	174776	28.423	ug/l	98
45) 1,2-Dichloropropane	9.10	63	186568	28.934	ug/l	100
46) Dibromomethane	9.19	93	118971	27.919	ug/l	99
47) Bromodichloromethane	9.39	83	248104	29.295	ug/l	99
48) Methyl methacrylate	9.18	41	194926	30.310	ug/l	98
49) 1,4-Dioxane	9.19	88	52694	640.410	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1306654	139.463	ug/l	100
52) Toluene	10.14	92	422671	29.144	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	285463	28.929	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	298573	29.564	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	164175	27.990	ug/l	99
56) Ethyl methacrylate	10.42	69	260718	26.833	ug/l	99
57) 1,3-Dichloropropane	10.70	76	290790	29.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	284088	118.229	ug/l	99
59) 2-Hexanone	10.74	43	989834	139.659	ug/l	100
60) Dibromochloromethane	10.90	129	183868	26.763	ug/l	100
61) 1,2-Dibromoethane	11.00	107	173063	28.343	ug/l	99
64) Tetrachloroethene	10.62	164	154265	27.664	ug/l	99
65) Chlorobenzene	11.43	112	439628	27.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	167345	28.065	ug/l	100
67) Ethyl Benzene	11.51	91	820098	28.506	ug/l	100
68) m/p-Xylenes	11.62	106	601242	55.711	ug/l	96
69) o-Xylene	11.94	106	286000	28.472	ug/l	96
70) Styrene	11.96	104	472091	28.368	ug/l	98
71) Bromoform	12.12	173	131623	28.055	ug/l #	100
73) Isopropylbenzene	12.25	105	775361	28.257	ug/l	100
74) N-amyl acetate	12.07	43	359223	30.054	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	245589	26.413	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	353956	37.837	ug/l #	100
77) Bromobenzene	12.52	156	181727	26.602	ug/l	93
78) n-propylbenzene	12.59	91	939174	27.853	ug/l	99
79) 2-Chlorotoluene	12.67	91	543160	27.014	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	658120	27.969	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	95507	27.469	ug/l	89
82) 4-Chlorotoluene	12.77	91	568259	27.640	ug/l	99
83) tert-Butylbenzene	12.99	119	548761	27.967	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	656019	28.235	ug/l	99
85) sec-Butylbenzene	13.17	105	760625	28.222	ug/l	99
86) p-Isopropyltoluene	13.29	119	690100	28.648	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	335973	26.702	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	330713	26.843	ug/l	98
89) n-Butylbenzene	13.62	91	658884	29.130	ug/l	98
90) Hexachloroethane	13.87	117	129381	29.246	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	322612	27.322	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55275	26.927	ug/l	94

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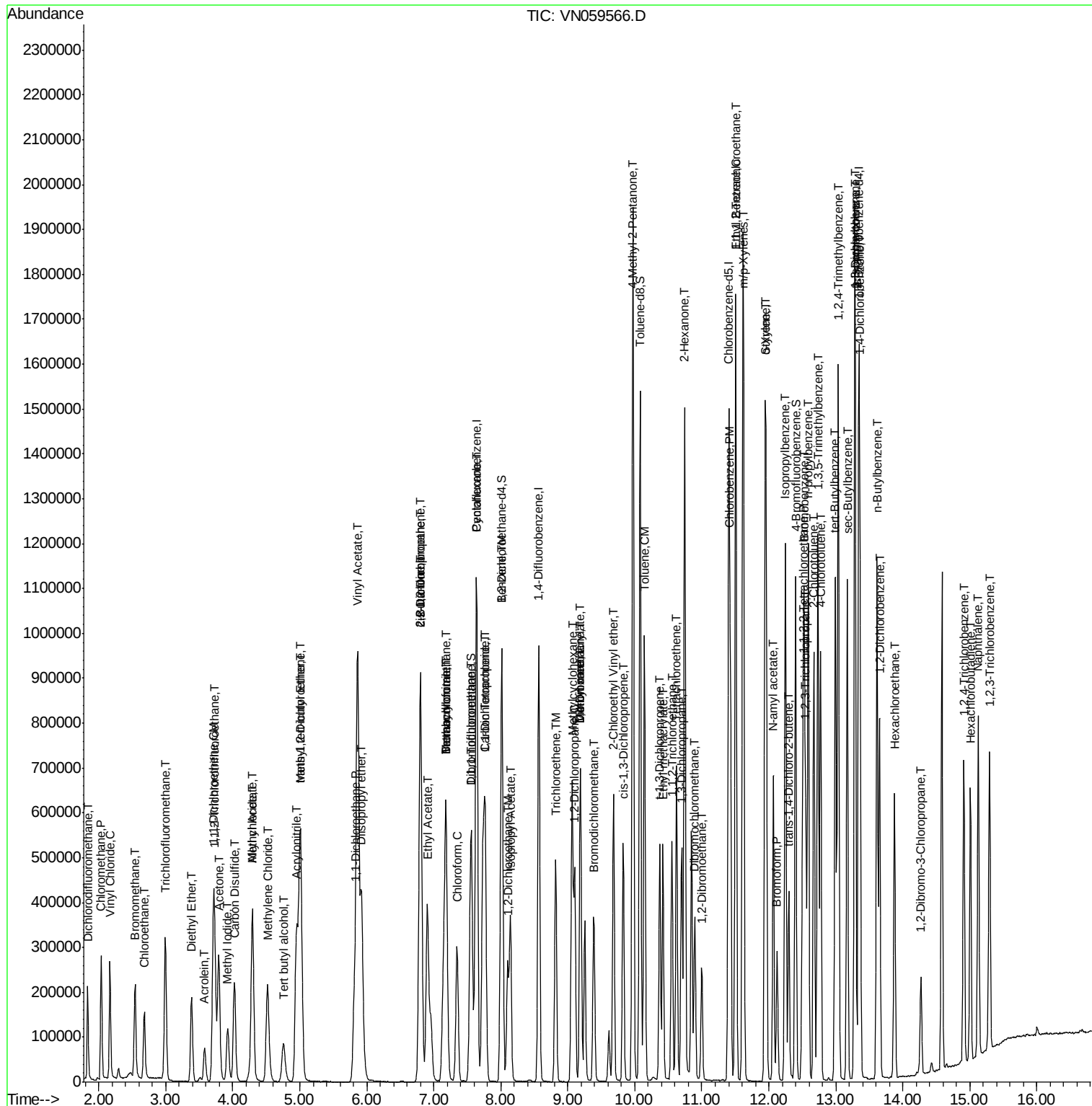
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	210400	25.763	ug/l	99
94) Hexachlorobutadiene	15.01	225	108456	25.994	ug/l	99
95) Naphthalene	15.13	128	608800	25.502	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	202027	26.582	ug/l	99

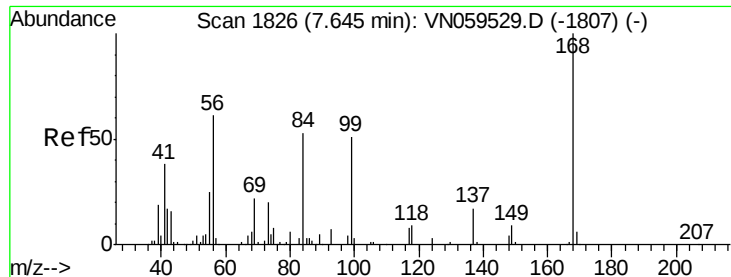
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

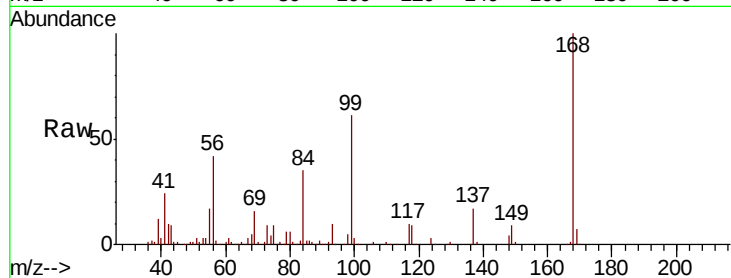
VSTDCCC050EC

Tot Ion:168 Resp: 527580

Ion Ratio Lower Upper

168 100

99 60.5 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

100000

50000

0

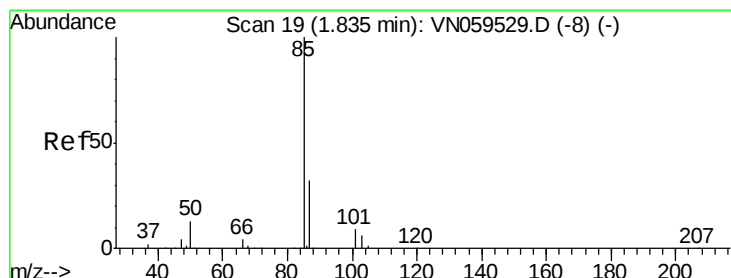
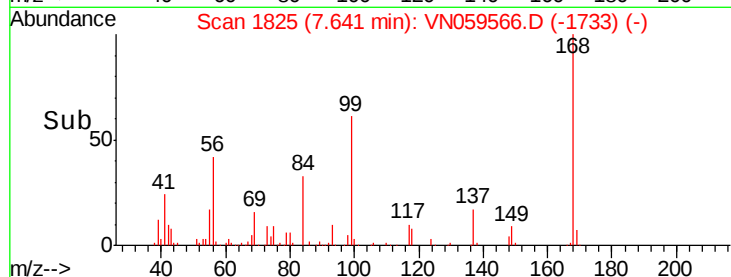
Time-->

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 25.459 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059566.D

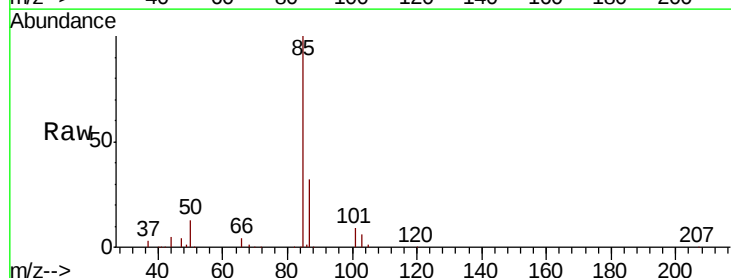
Acq: 11 Dec 2019 17:03

Tgt Ion: 85 Resp: 154920

Ion Ratio Lower Upper

85 100

87 31.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

50000

0

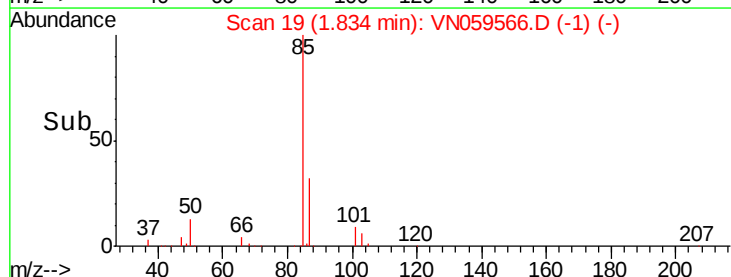
Time-->

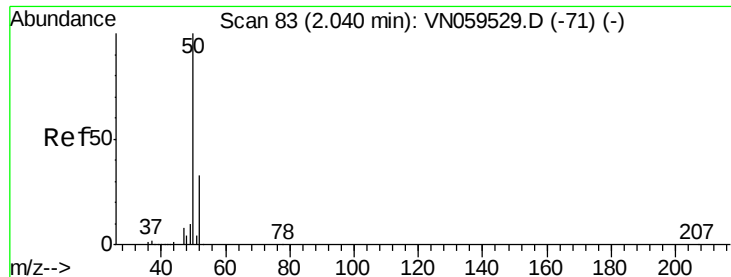
1.75

1.80

1.85

1.90





#3

Chloromethane

Concen: 26.893 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

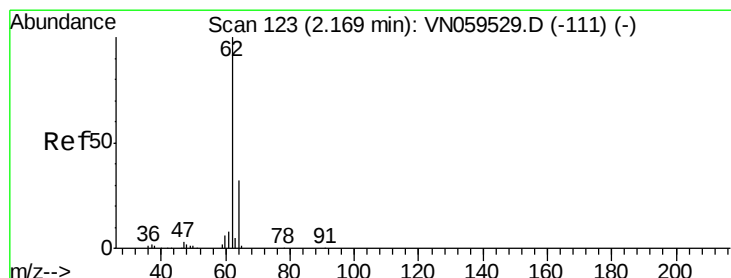
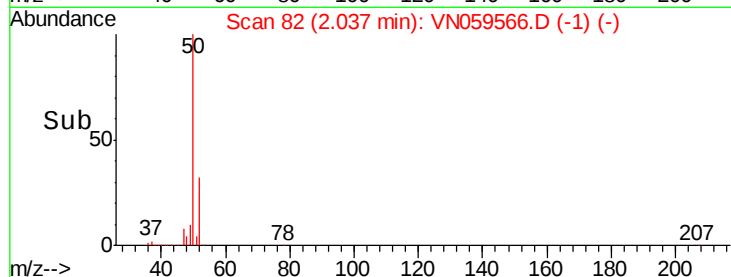
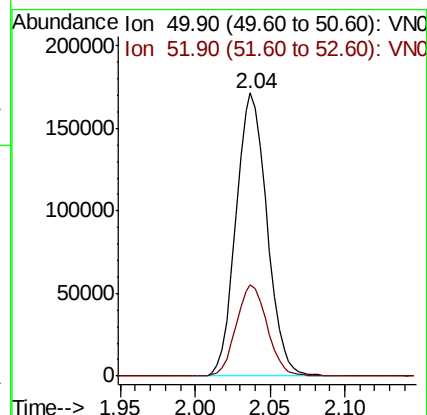
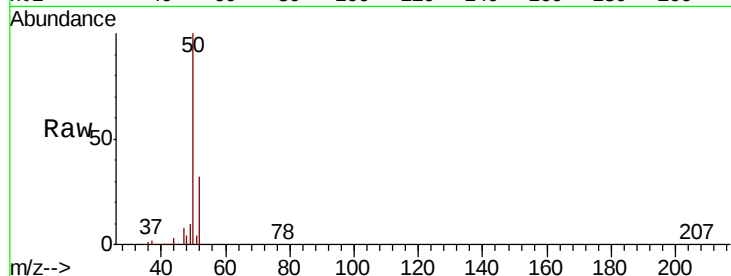
VSTDCCC050EC

Tot Ion: 50 Resp: 247719

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 27.334 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059566.D

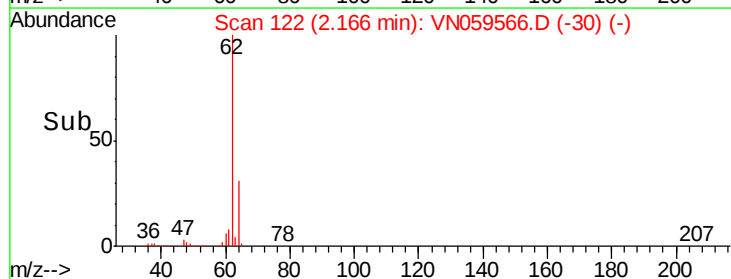
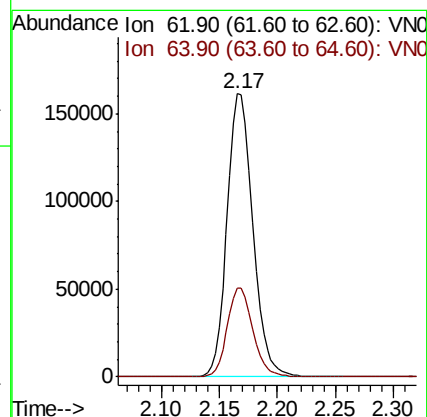
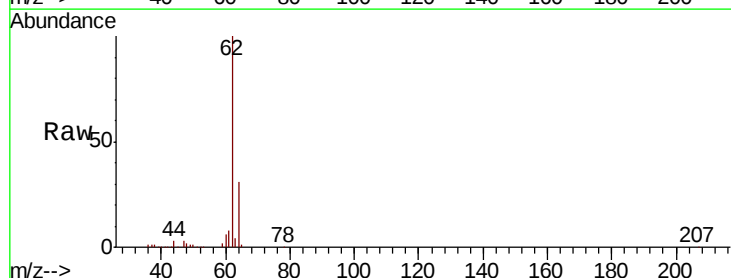
Acq: 11 Dec 2019 17:03

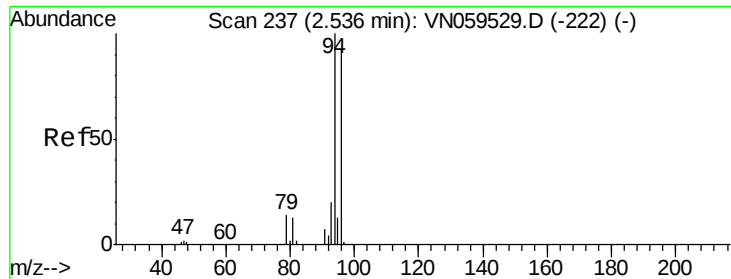
Tgt Ion: 62 Resp: 248178

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 25.495 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

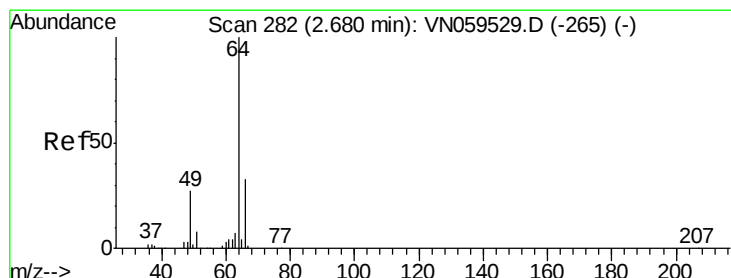
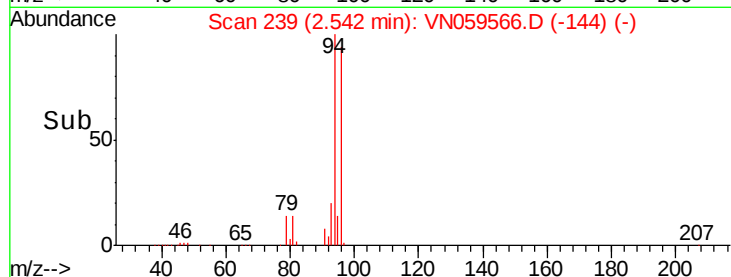
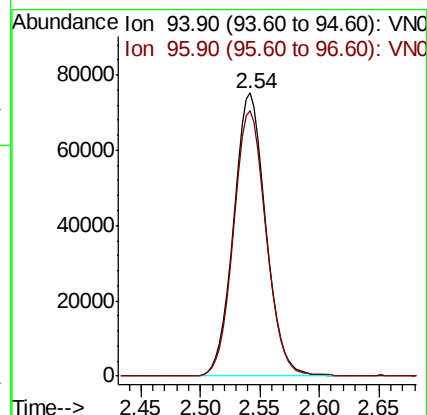
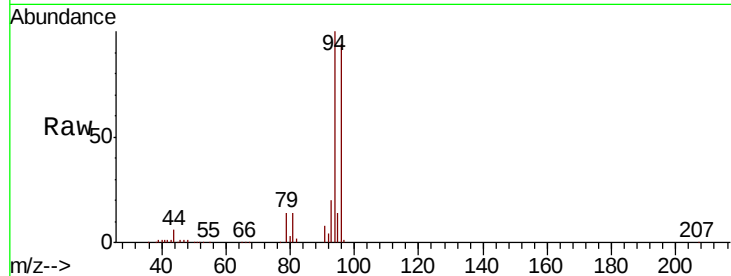
VSTDCCC050EC

Tot Ion: 94 Resp: 140995

Ion Ratio Lower Upper

94 100

96 93.5 74.6 112.0



#6

Chloroethane

Concen: 26.606 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059566.D

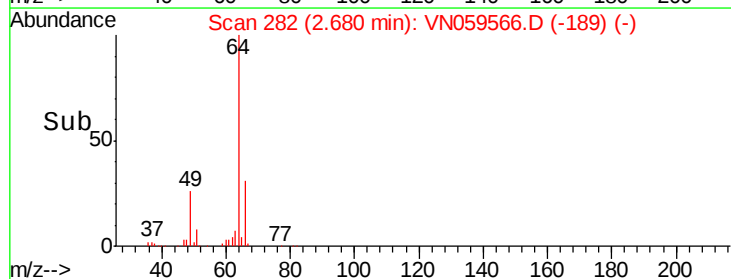
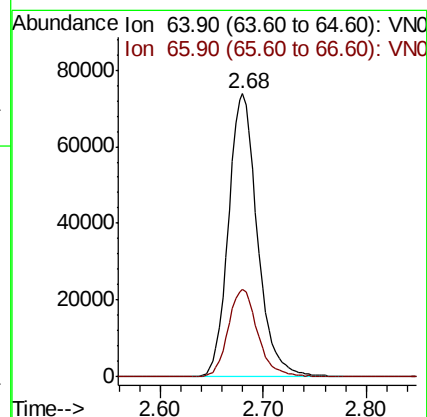
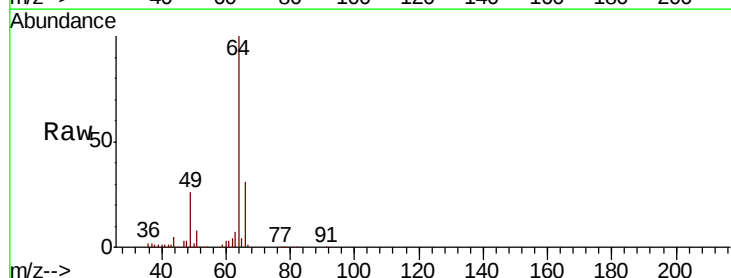
Acq: 11 Dec 2019 17:03

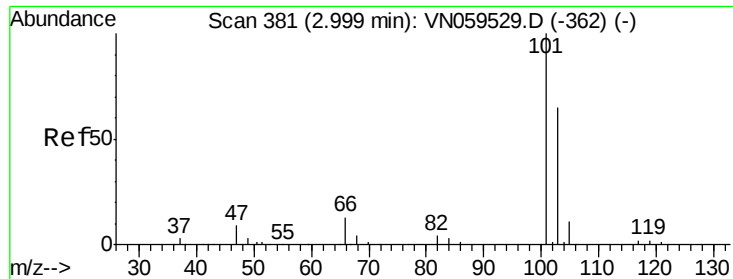
Tgt Ion: 64 Resp: 144250

Ion Ratio Lower Upper

64 100

66 30.9 26.7 40.1



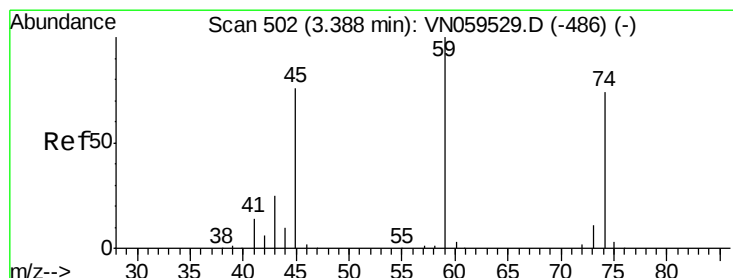
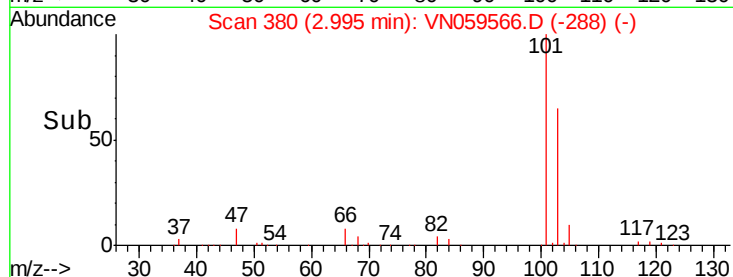
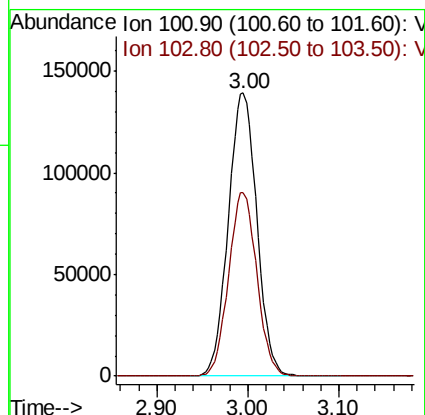
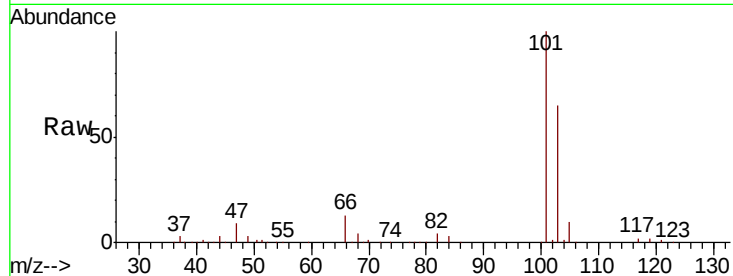


#7

Trichlorofluoromethane
 Concen: 27.970 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Instrument :
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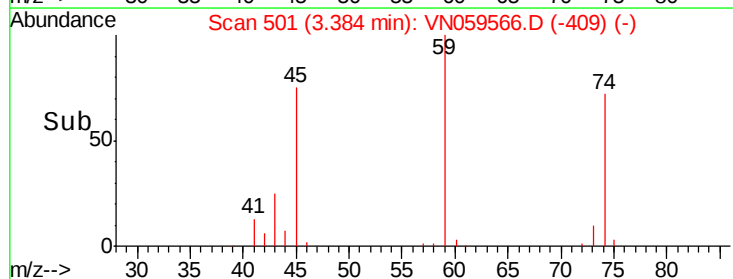
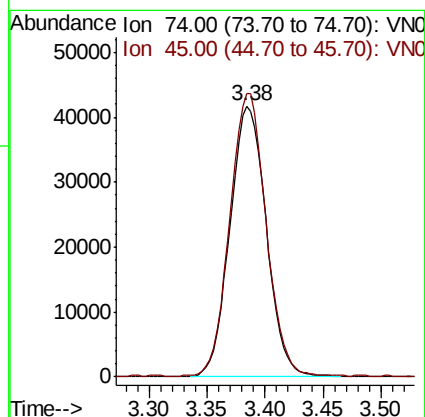
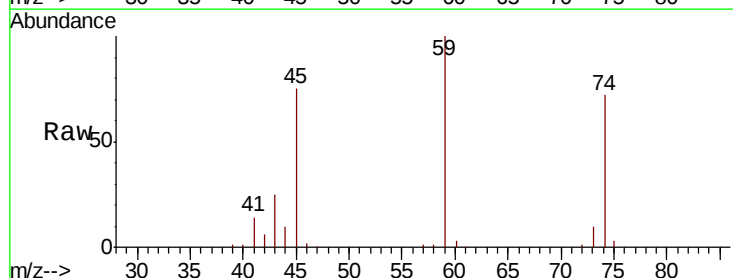
Tot Ion:101 Resp: 303579
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.2 78.4

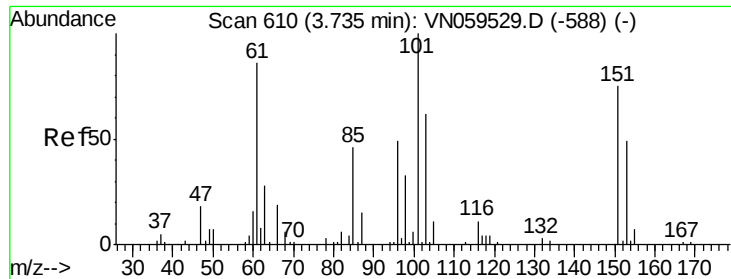


#8

Diethyl Ether
 Concen: 24.385 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion: 74 Resp: 90702
 Ion Ratio Lower Upper
 74 100
 45 104.8 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.005 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

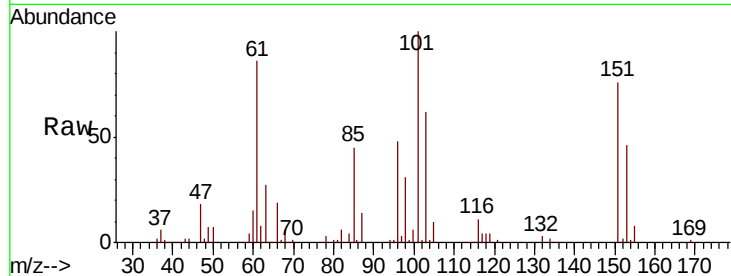
Tot Ion:101 Resp: 146892

Ion Ratio Lower Upper

101 100

85 45.8 36.6 54.8

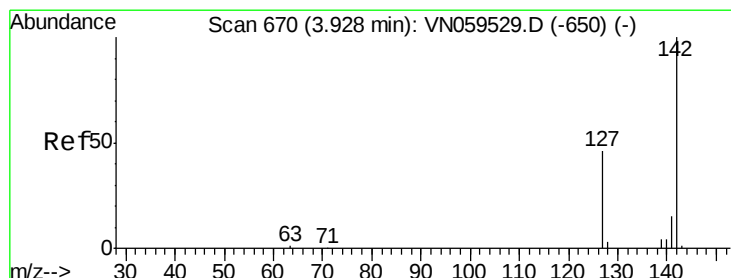
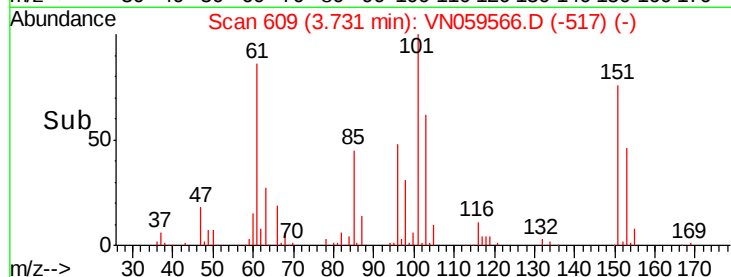
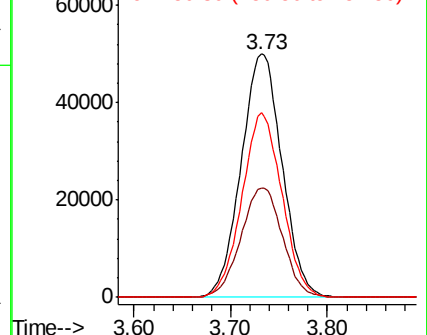
151 74.1 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.500 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

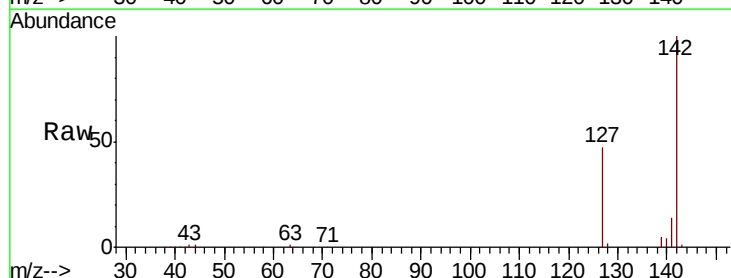
Tgt Ion:142 Resp: 187388

Ion Ratio Lower Upper

142 100

127 46.9 36.6 54.8

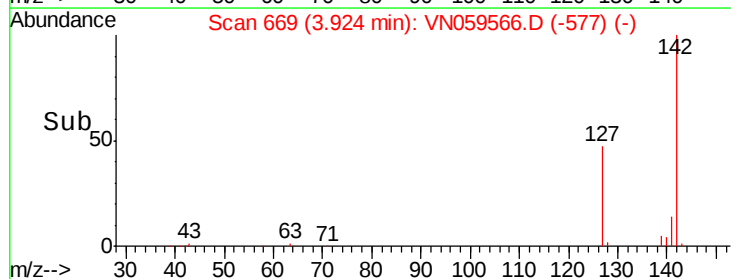
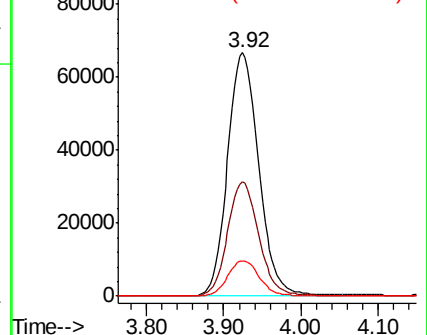
141 14.5 11.6 17.4

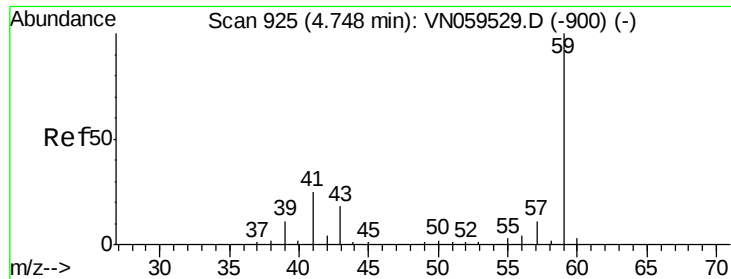


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

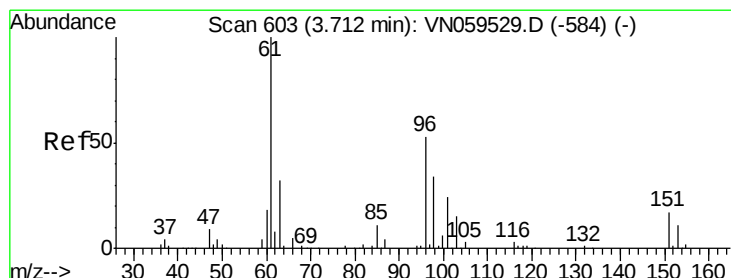
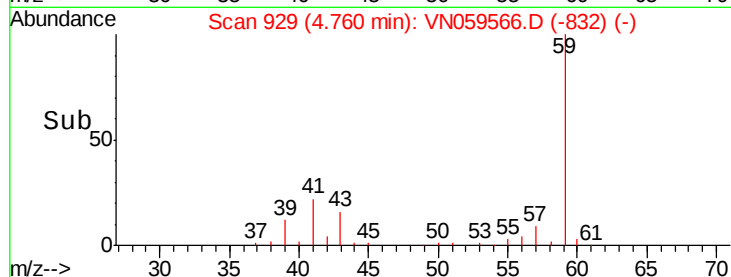
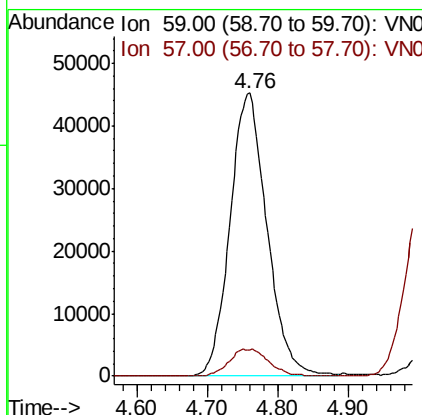
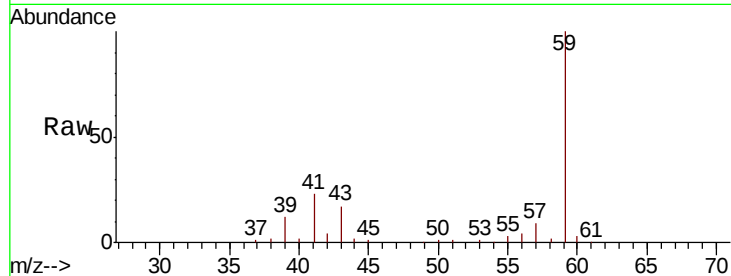




#11
Tert butyl alcohol
Concen: 135.739 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

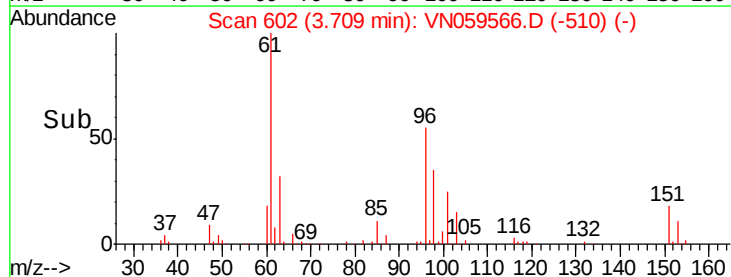
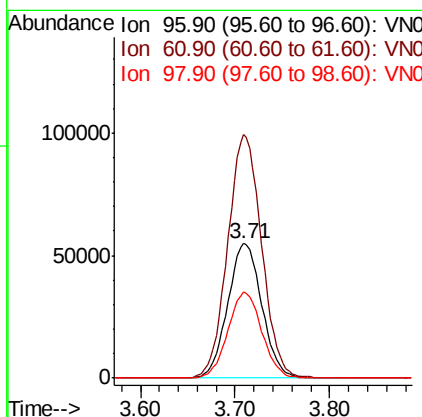
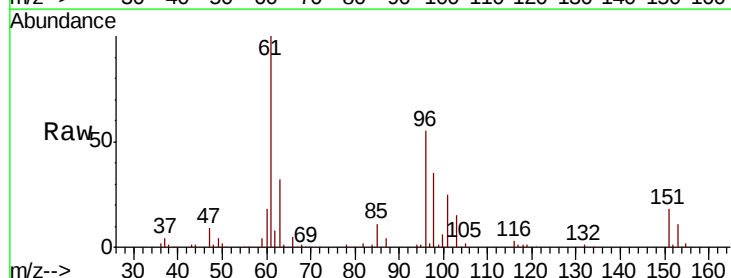
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

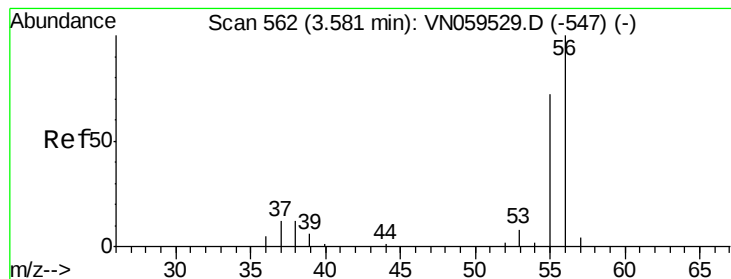
Tot Ion: 59 Resp: 165583
Ion Ratio Lower Upper
59 100
57 4.9 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 25.050 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 96 Resp: 137552
Ion Ratio Lower Upper
96 100
61 180.3 149.8 224.6
98 63.5 50.6 75.8





#13

Acrolein

Concen: 138.460 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

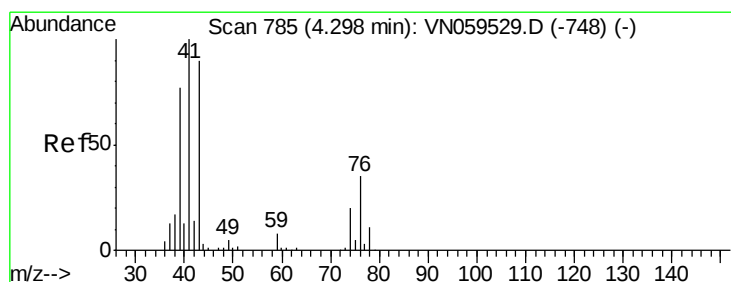
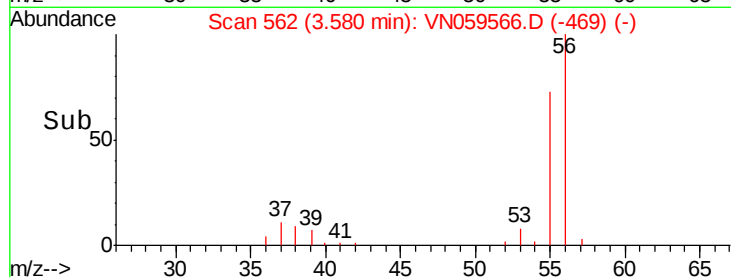
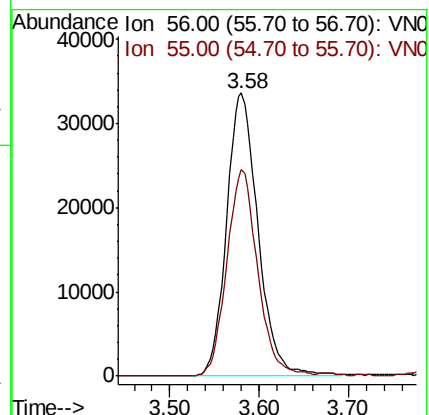
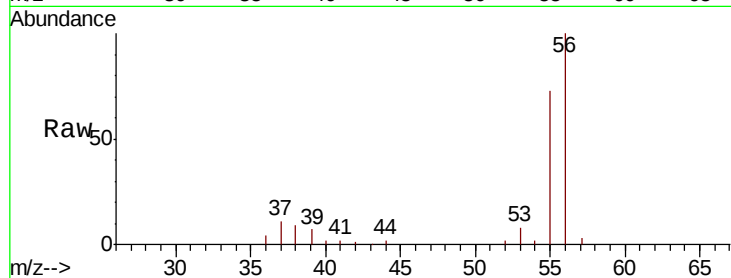
VSTDCCC050EC

Tot Ion: 56 Resp: 82193

Ion Ratio Lower Upper

56 100

55 71.4 56.9 85.3



#14

Allyl chloride

Concen: 26.479 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

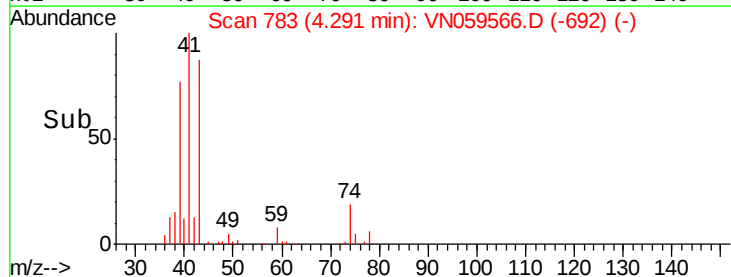
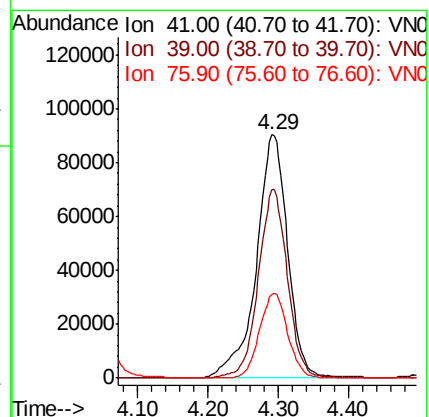
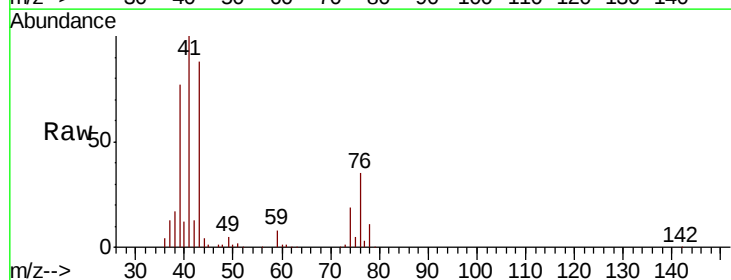
Tgt Ion: 41 Resp: 279702

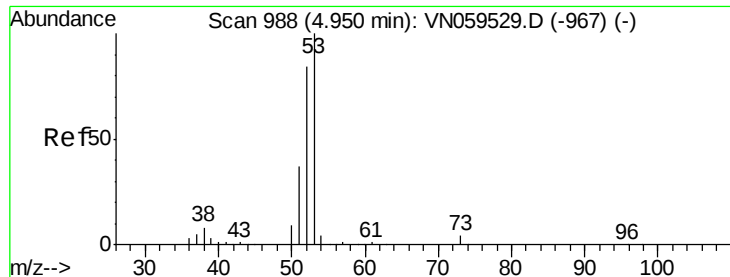
Ion Ratio Lower Upper

41 100

39 71.9 56.7 85.1

76 31.4 25.5 38.3





#15

Acrylonitrile

Concen: 135.913 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

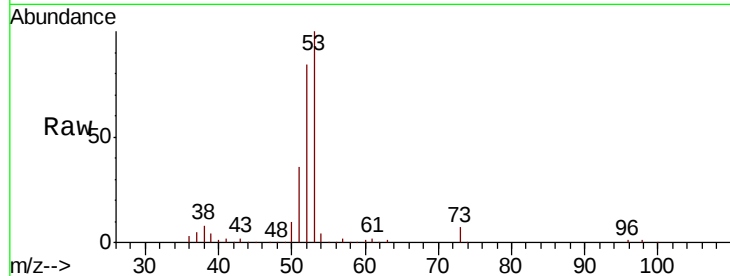
Tot Ion: 53 Resp: 437278

Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

51 36.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN059529.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN059529.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN059529.D (-967) (-)

4.95

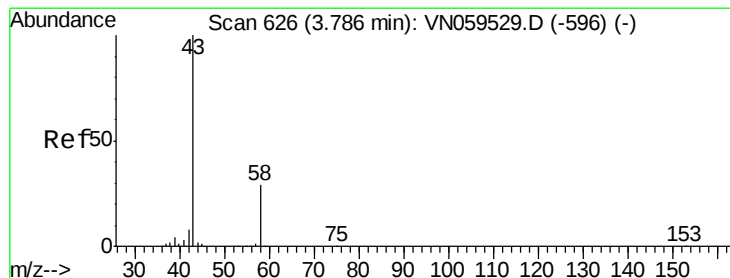
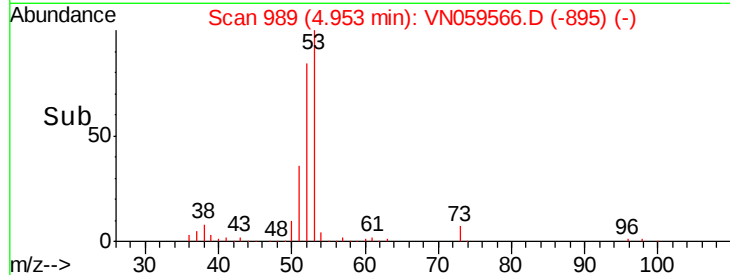
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 137.537 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059566.D

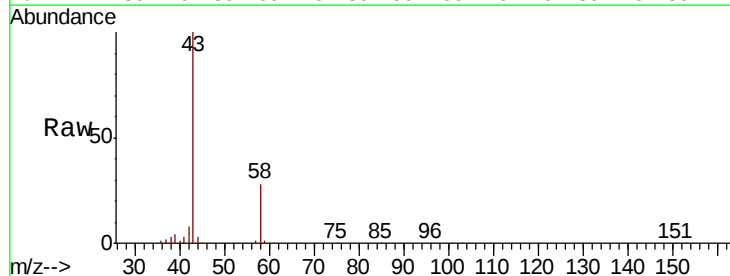
Acq: 11 Dec 2019 17:03

Tgt Ion: 43 Resp: 473748

Ion Ratio Lower Upper

43 100

58 28.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-596) (-)

3.79

200000

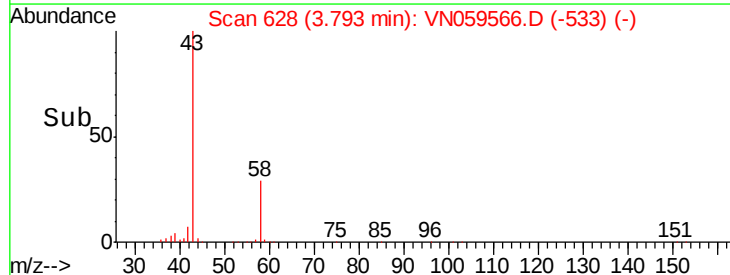
150000

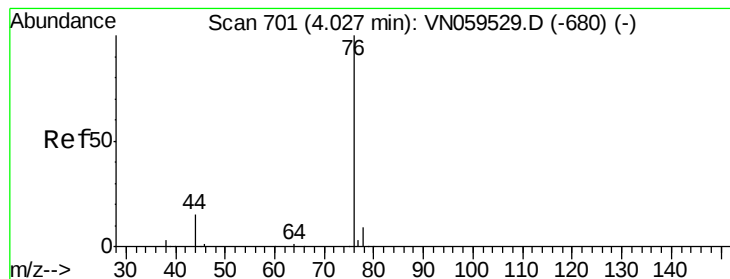
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 24.628 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

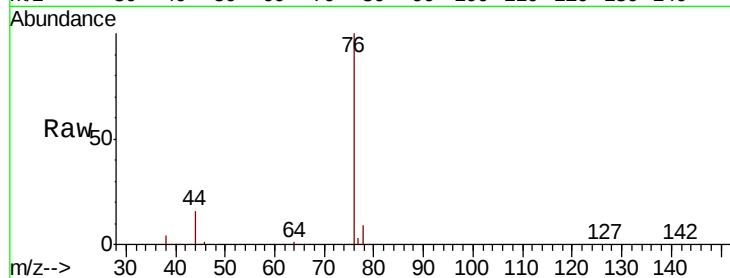
VSTDCCC050EC

Tot Ion: 76 Resp: 433451

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

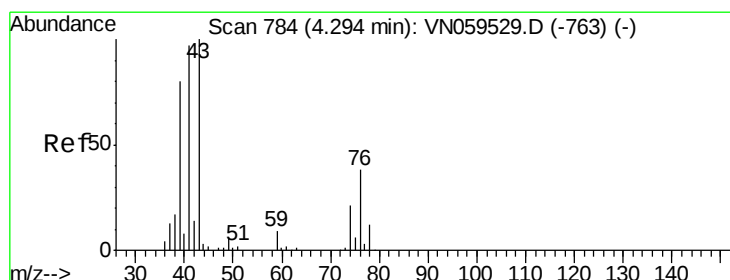
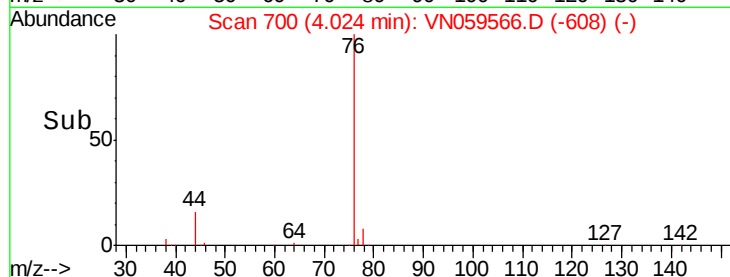
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 25.732 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059566.D

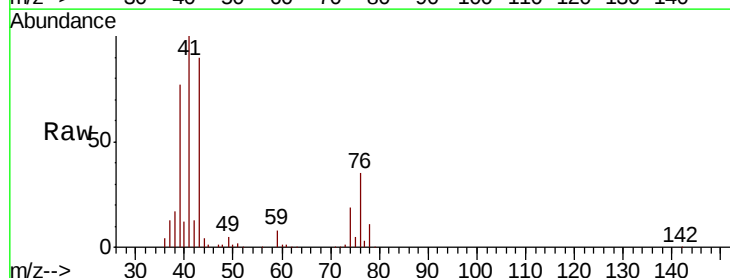
Acq: 11 Dec 2019 17:03

Tgt Ion: 43 Resp: 232709

Ion Ratio Lower Upper

43 100

74 21.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.29

80000

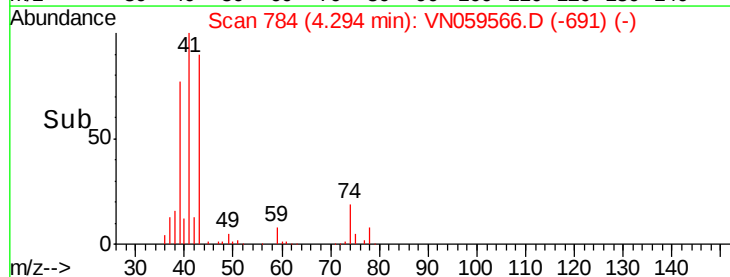
60000

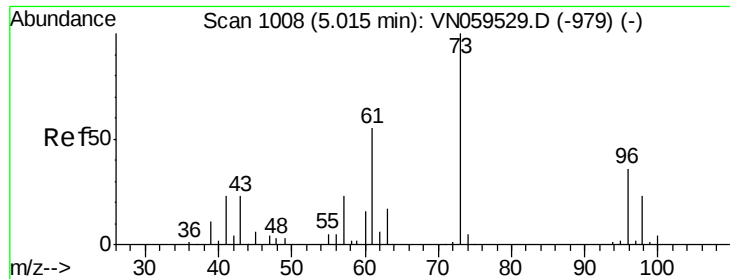
40000

20000

0

Time-->

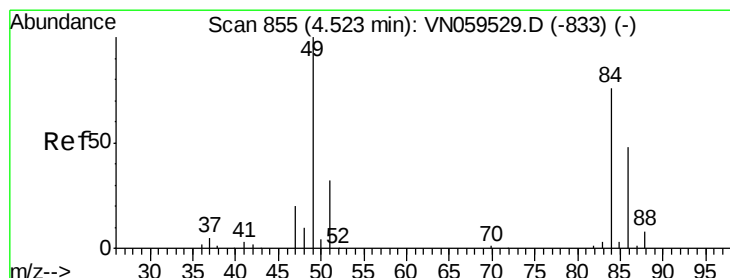
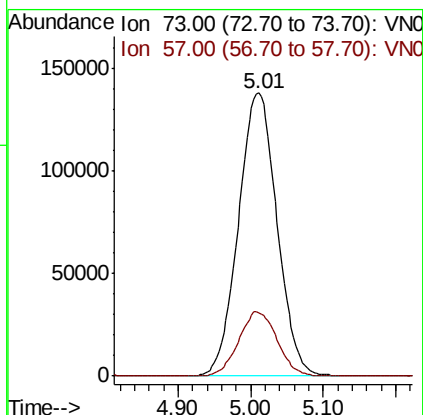
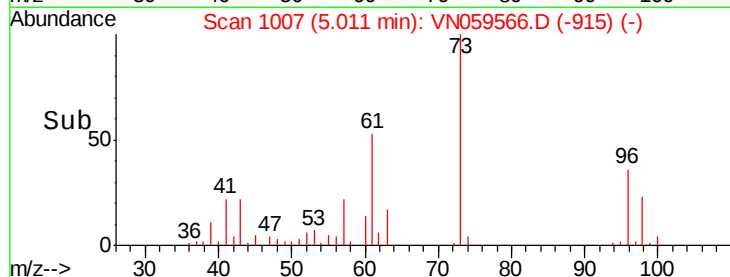
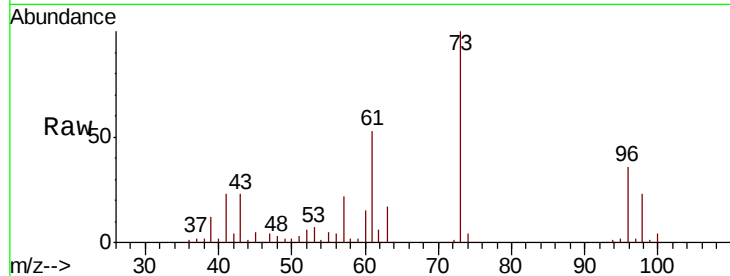




#19
Methvl tert-butvl Ether
Concen: 27.987 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

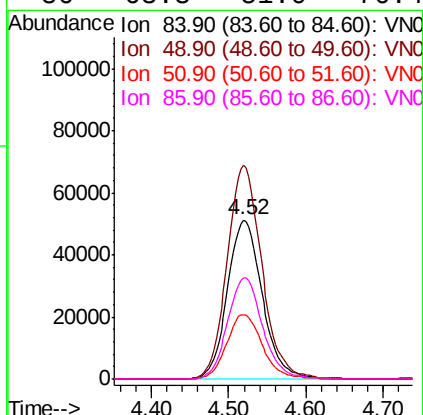
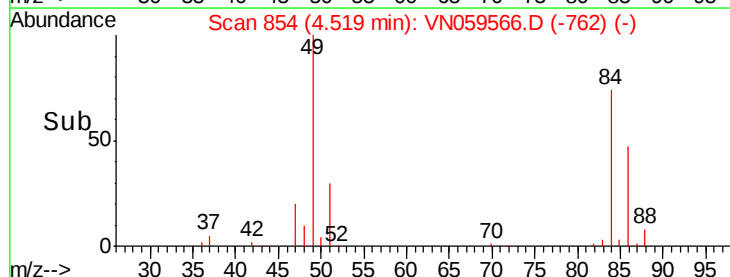
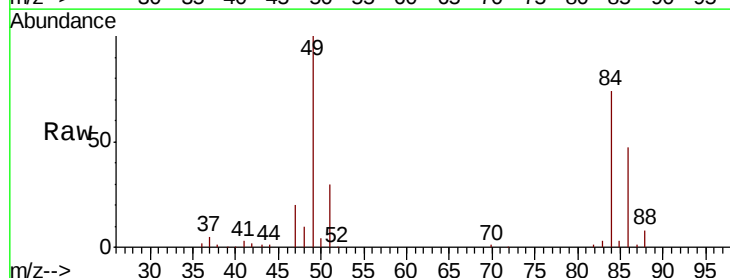
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

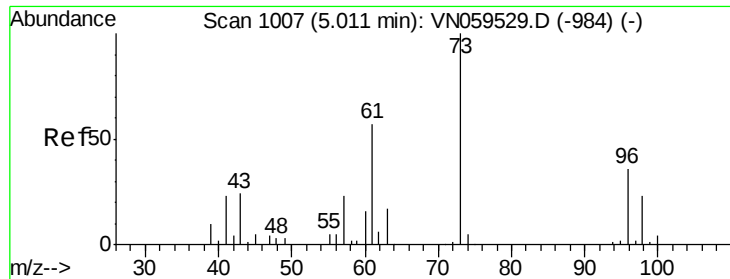
Tot Ion: 73 Resp: 510852
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 25.704 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 84 Resp: 160375
Ion Ratio Lower Upper
84 100
49 134.2 105.8 158.8
51 40.6 33.7 50.5
86 63.3 51.0 76.4

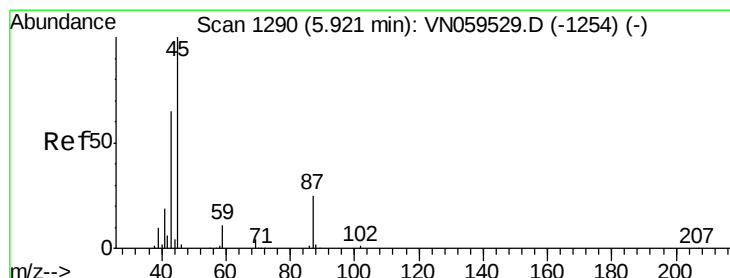
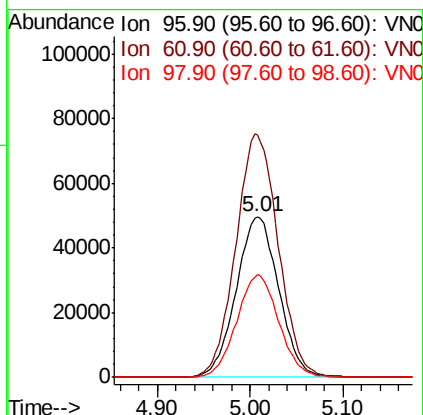
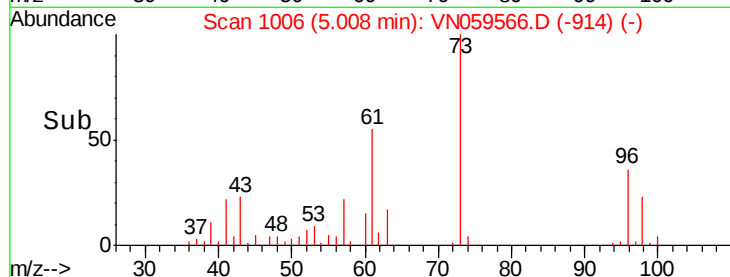
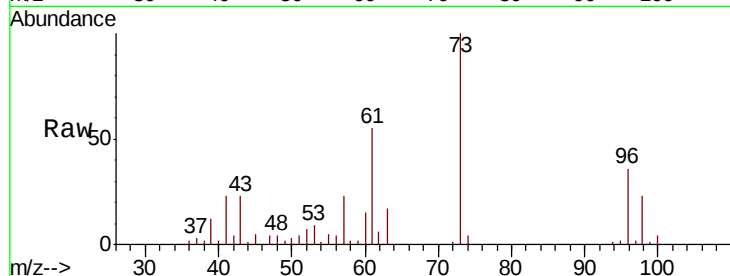




#21
trans-1,2-Dichloroethene
Concen: 26.783 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

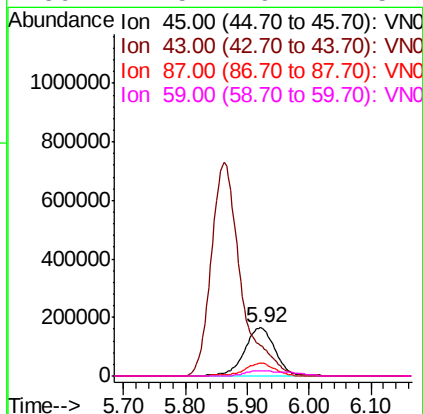
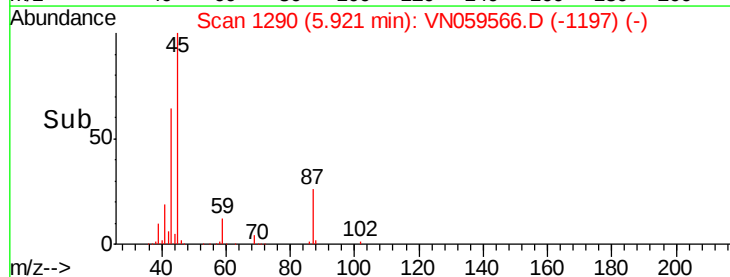
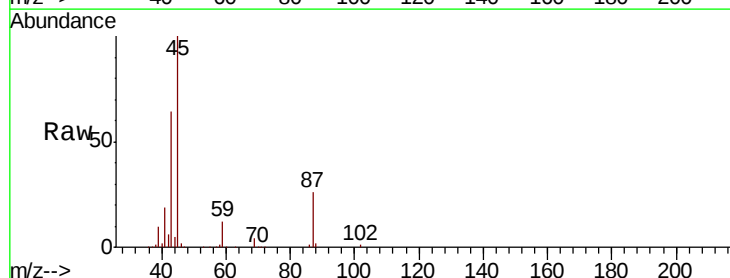
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

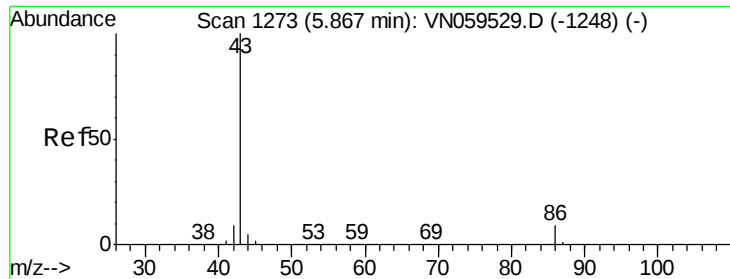
Tot Ion: 96 Resp: 157851
Ion Ratio Lower Upper
96 100
61 151.3 124.8 187.2
98 63.8 51.0 76.4



#22
Diisopropyl ether
Concen: 28.002 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 45 Resp: 563091
Ion Ratio Lower Upper
45 100
43 62.9 52.8 79.2
87 26.4 20.2 30.4
59 11.5 9.1 13.7

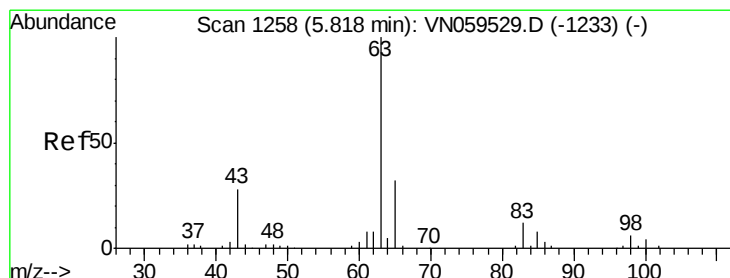
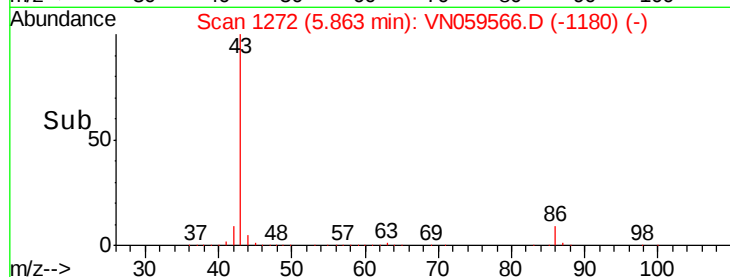
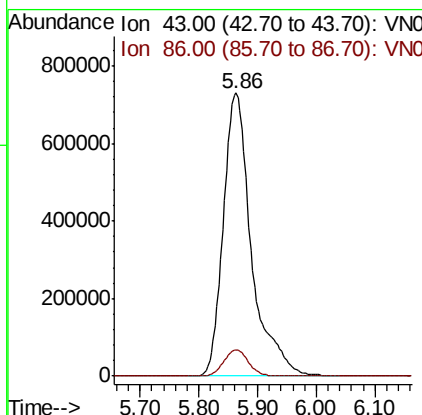
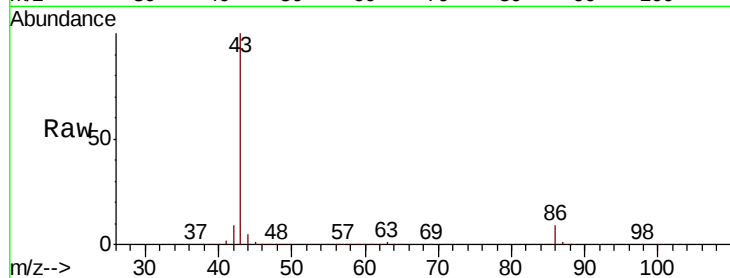




#23
 Vinyl Acetate
 Concen: 145.114 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

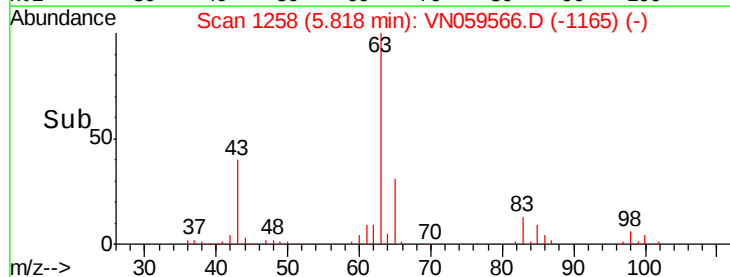
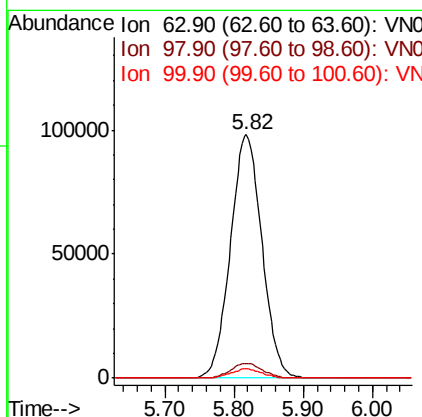
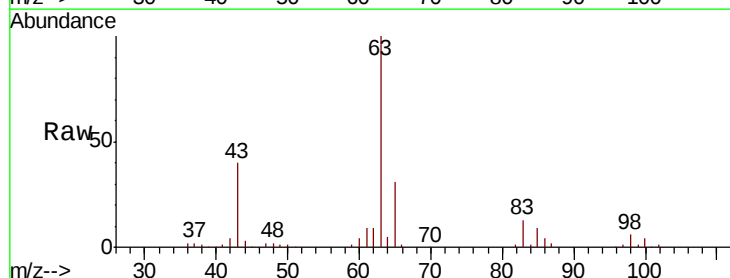
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

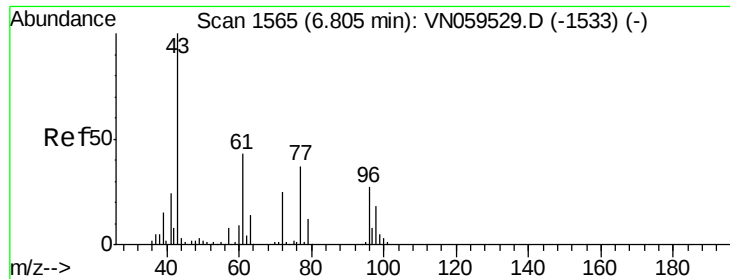
Tot Ion: 43 Resp: 2434201
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 27.233 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion: 63 Resp: 310929
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.0
 100 3.8 1.8 5.3

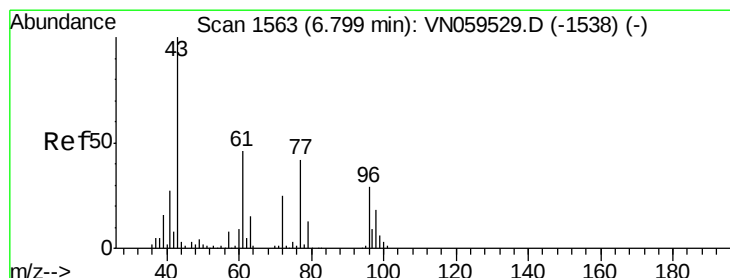
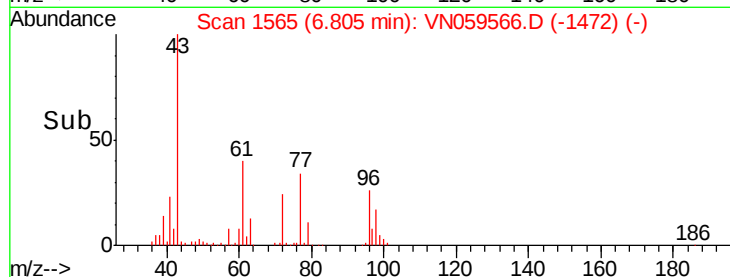
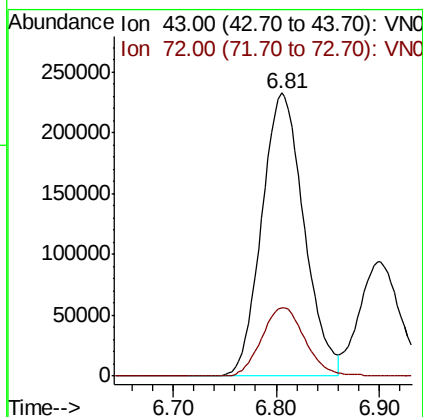
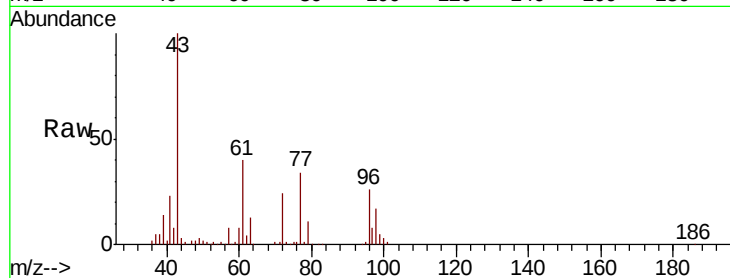




#25
2-Butanone
Concen: 142.703 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

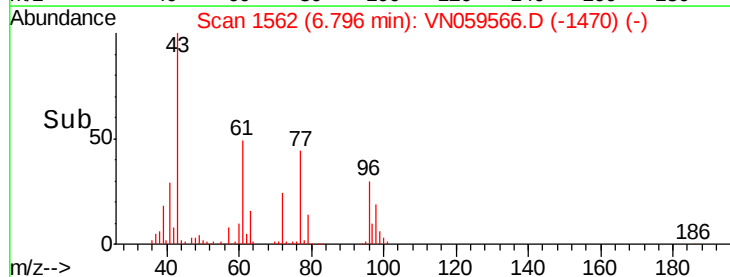
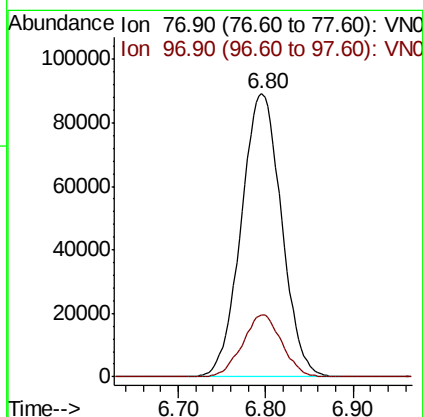
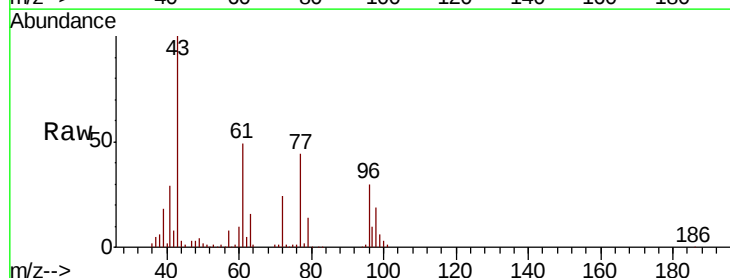
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

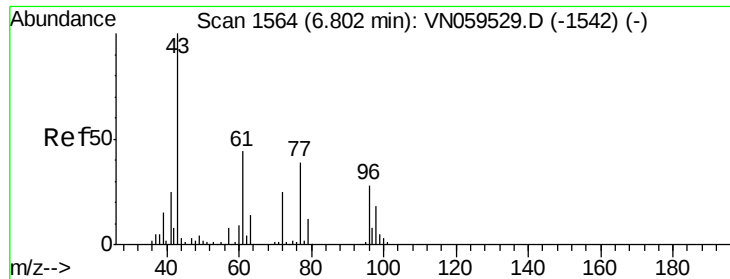
Tot Ion: 43 Resp: 661631
Ion Ratio Lower Upper
43 100
72 24.3 19.9 29.9



#26
2,2-Dichloropropane
Concen: 27.637 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 77 Resp: 285062
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 27.243 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

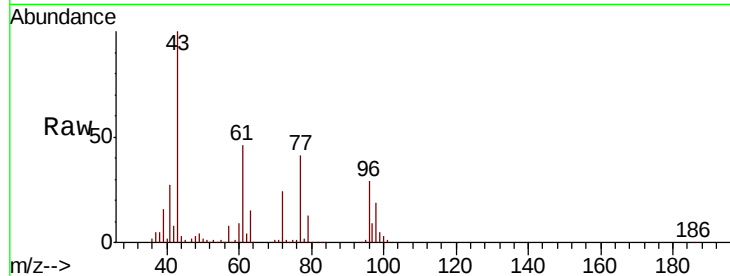
Tot Ion: 96 Resp: 180592

Ion Ratio Lower Upper

96 100

61 160.3 0.0 320.0

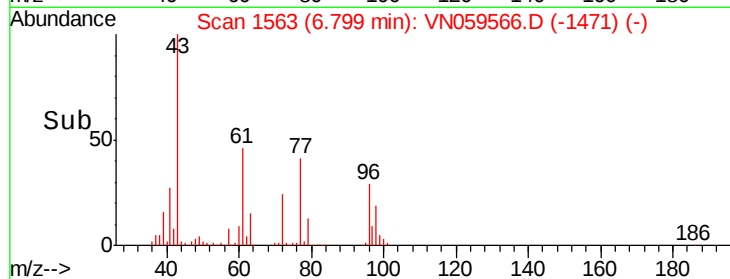
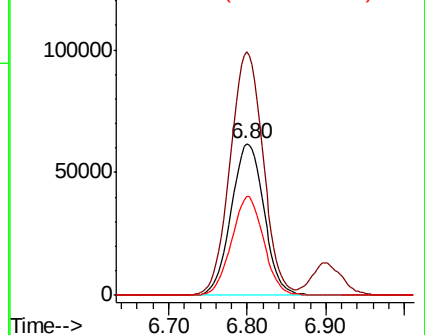
98 63.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN059529.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059529.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1542) (-)



#28

Bromochloromethane

Concen: 27.477 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

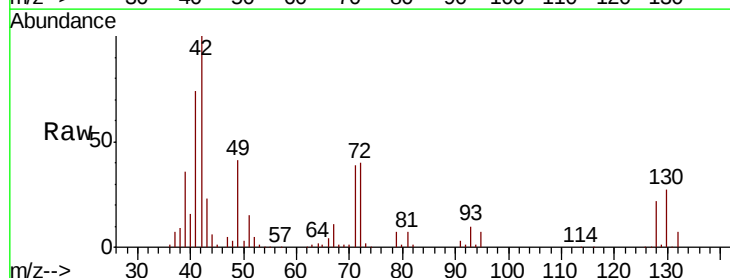
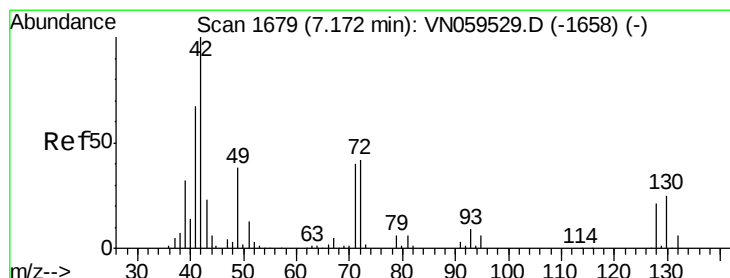
Tgt Ion: 49 Resp: 113268

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.0

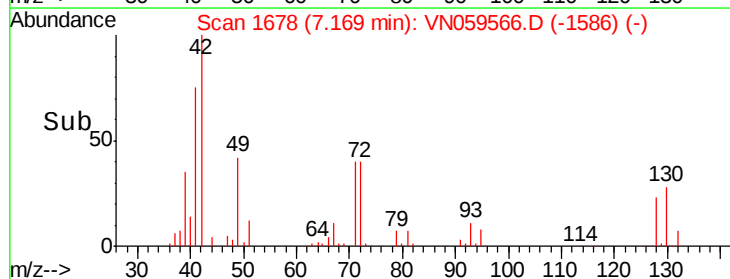
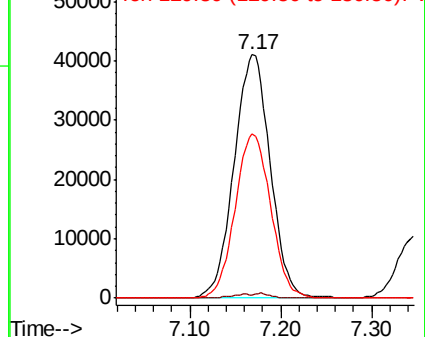
130 66.4 54.2 81.2

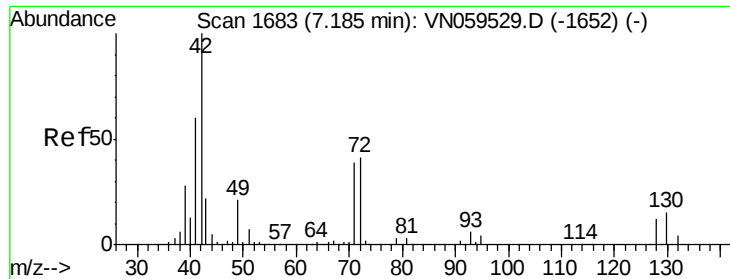


Abundance Ion 48.90 (48.60 to 49.60): VN059529.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN059529.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN059529.D (-1658) (-)

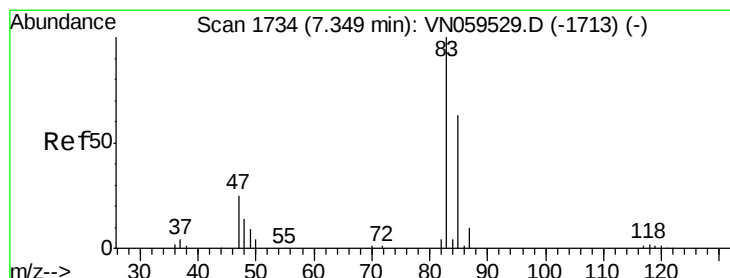
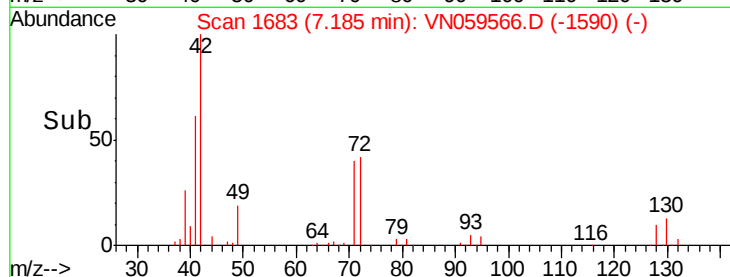
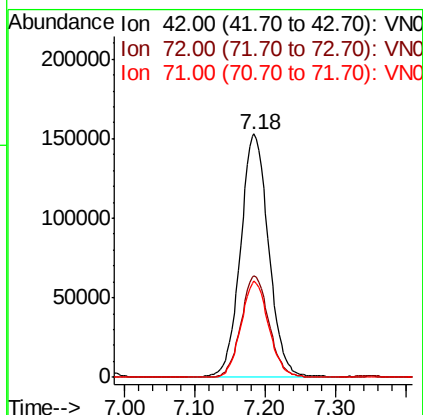
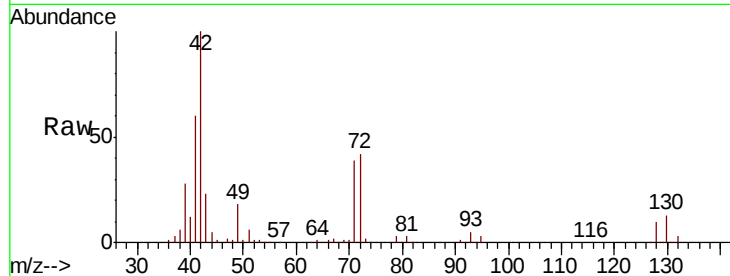




#29
Tetrahydrofuran
Concen: 132.440 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

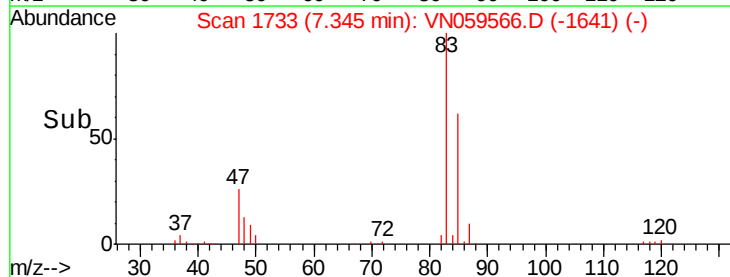
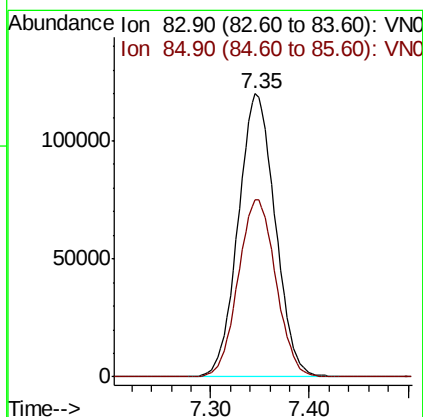
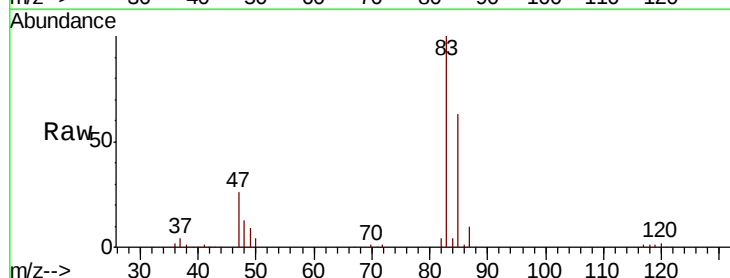
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

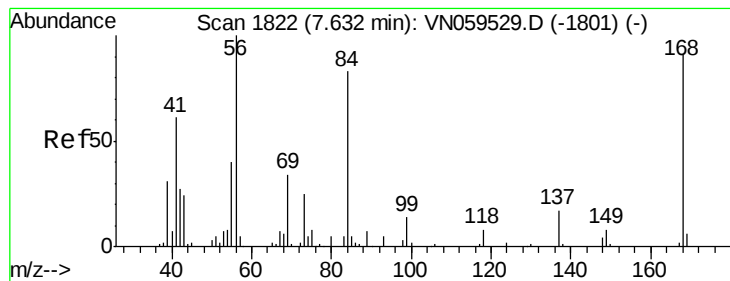
Tot Ion: 42 Resp: 427121
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 38.5 31.4 47.2



#30
Chloroform
Concen: 27.614 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 83 Resp: 311159
Ion Ratio Lower Upper
83 100
85 62.6 50.6 75.8





#31

Cyclohexane

Concen: 25.881 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

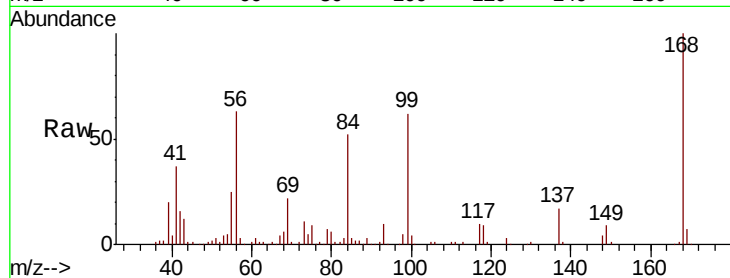
Tot Ion: 56 Resp: 287558

Ion Ratio Lower Upper

56 100

69 34.9 26.9 40.3

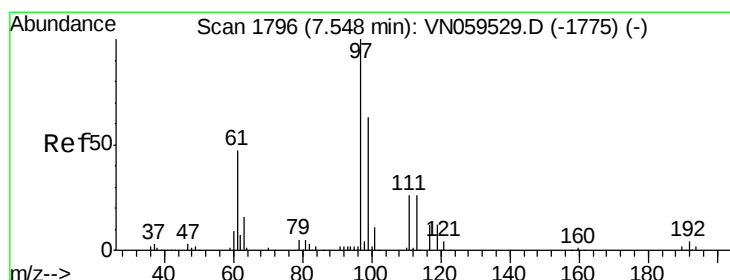
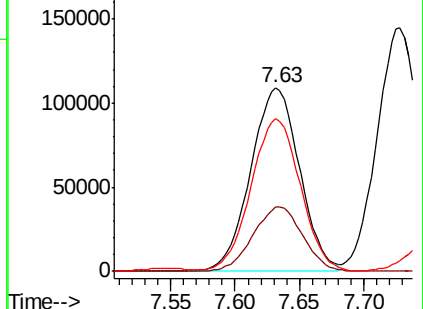
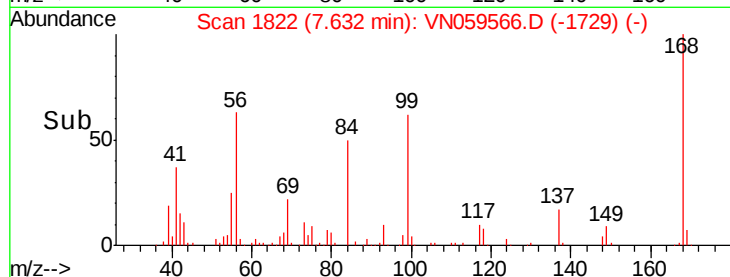
84 81.9 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VN059566.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059566.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059566.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 27.359 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

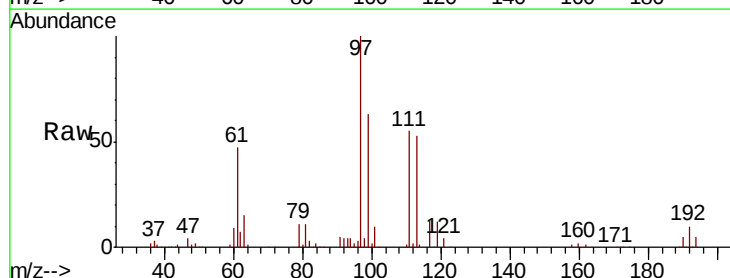
Tgt Ion: 97 Resp: 273487

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.2

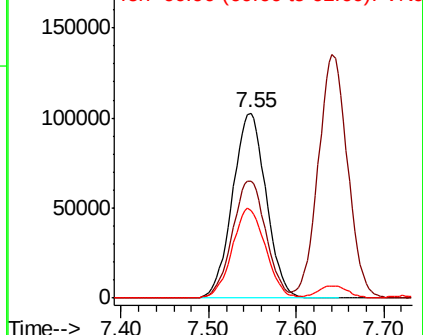
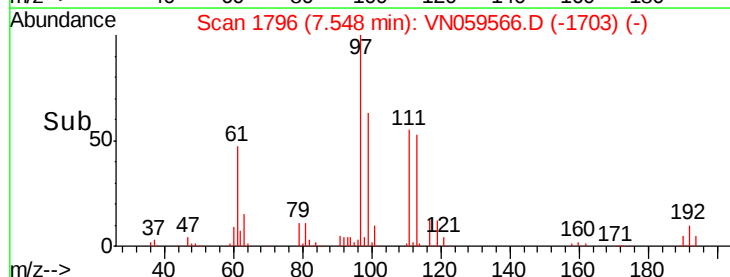
61 48.1 38.5 57.7

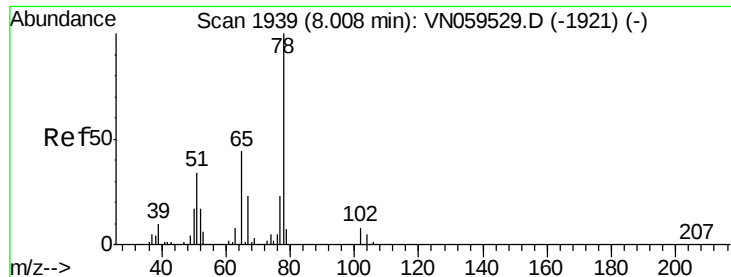


Abundance Ion 96.90 (96.60 to 97.60): VN059566.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059566.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059566.D (-1703) (-)

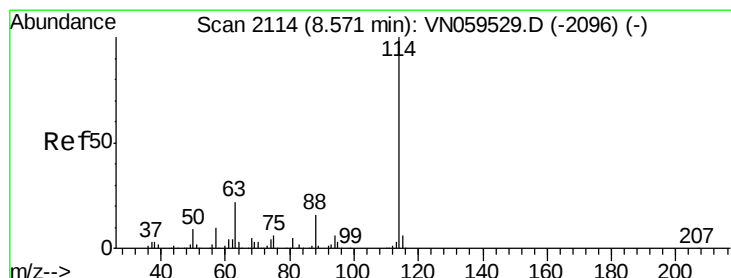
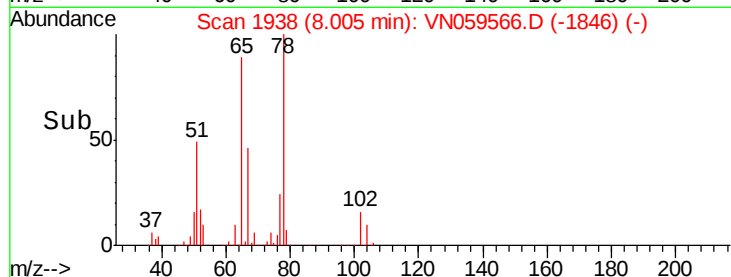
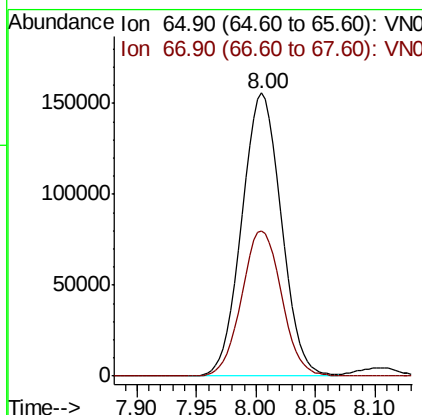
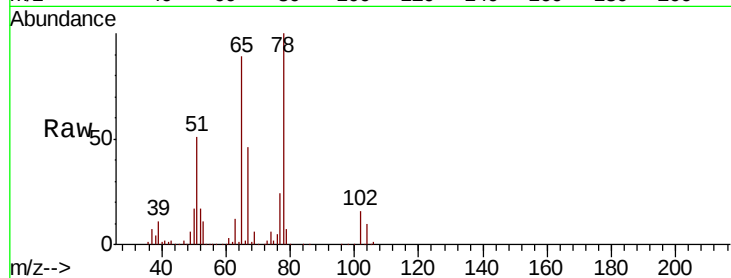




#33
 1,2-Dichloroethane-d4
 Concen: 48.698 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

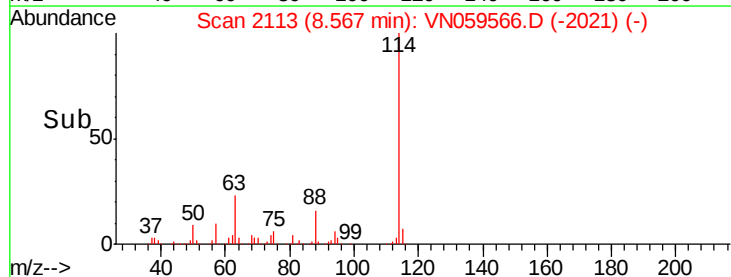
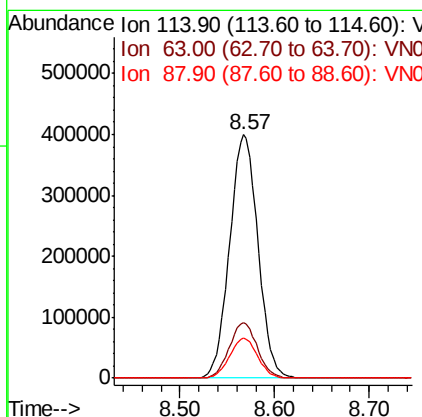
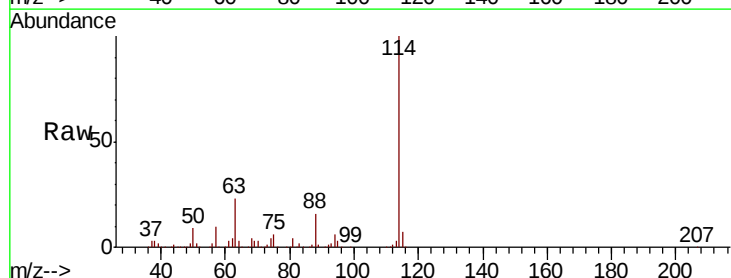
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

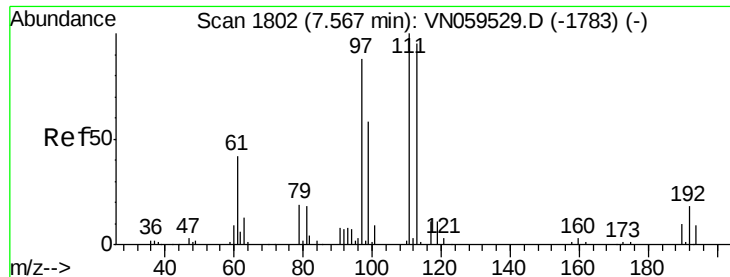
Tot Ion: 65 Resp: 359077
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion: 114 Resp: 830477
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 16.4 0.0 32.2

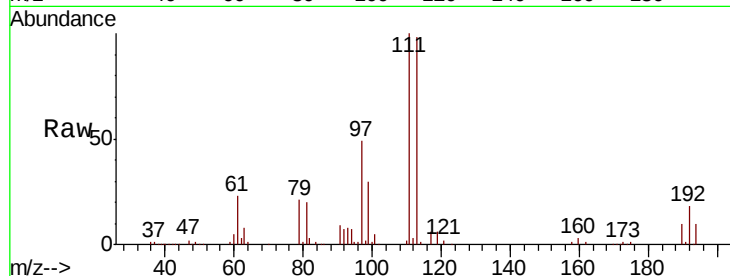




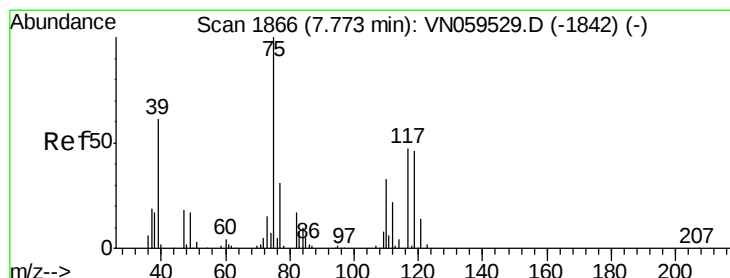
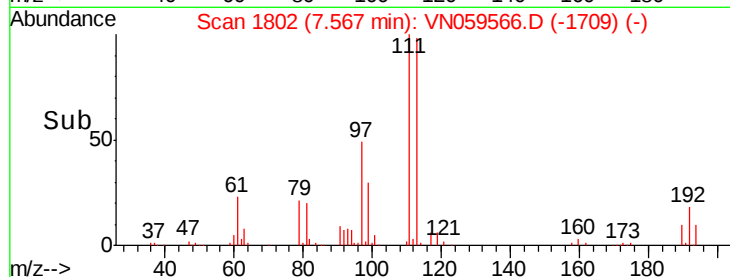
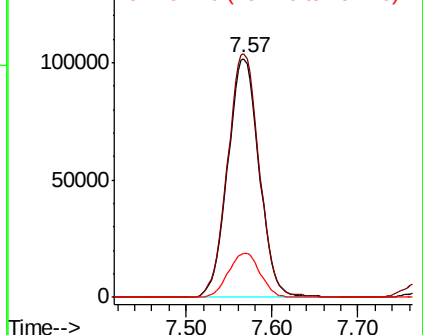
#35
 Dibromofluoromethane
 Concen: 52.021 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.7	14.8	22.2

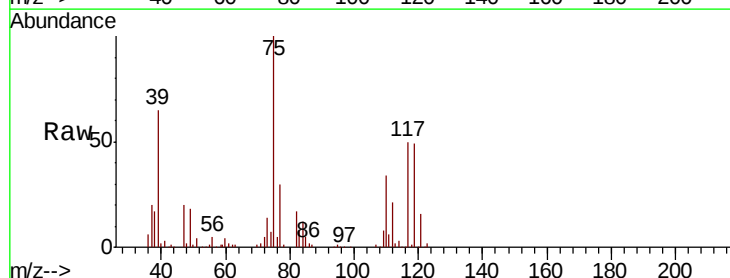


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

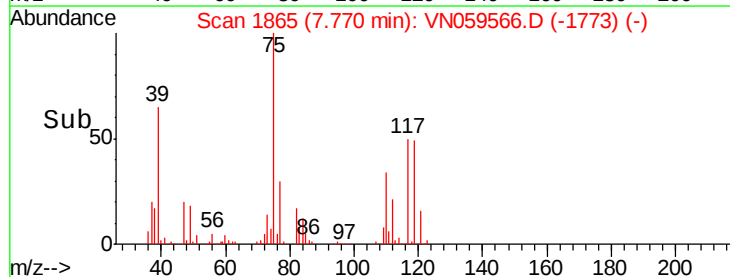
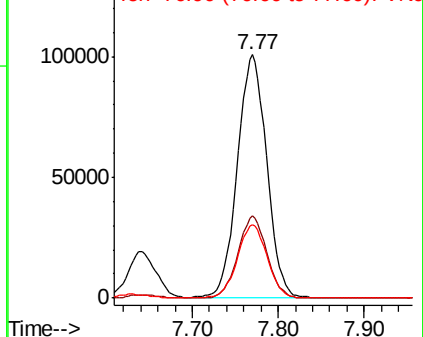


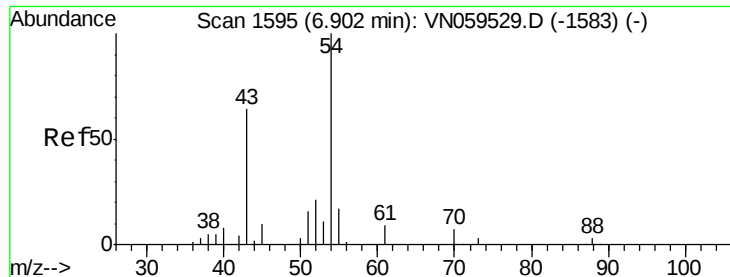
#36
 1,1-Dichloropropene
 Concen: 28.188 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.7	50.0
77	30.6	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

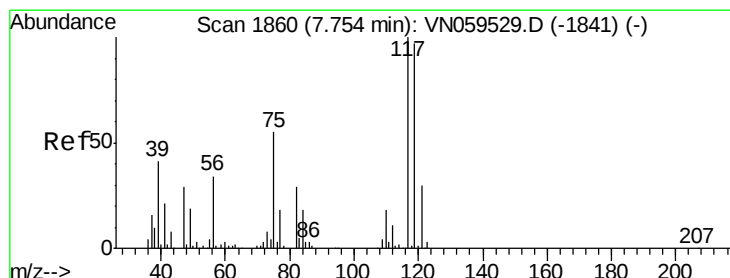
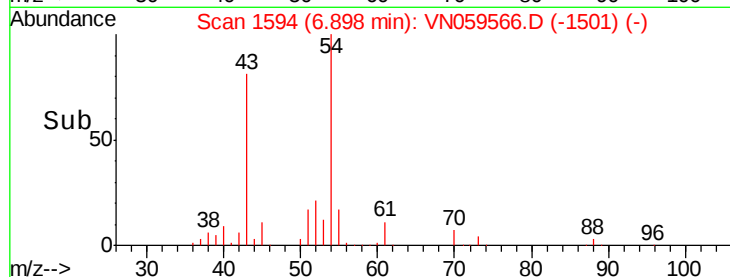
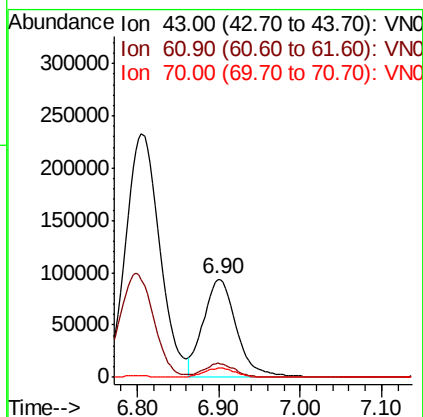
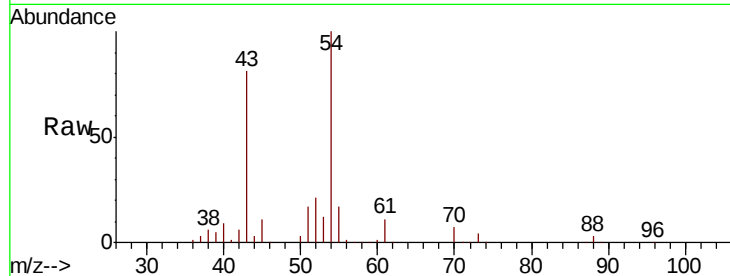




#37
Ethyl Acetate
Concen: 27.226 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

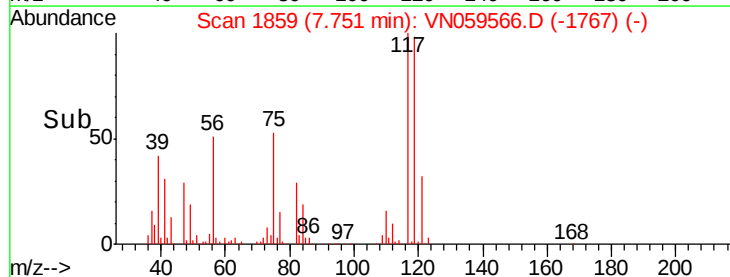
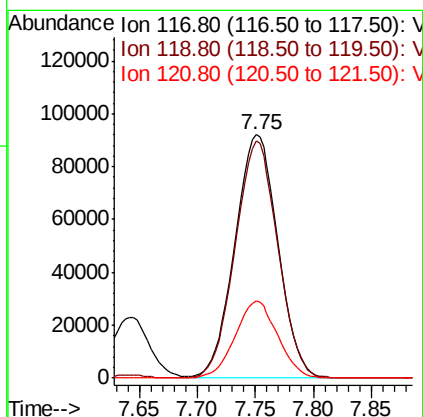
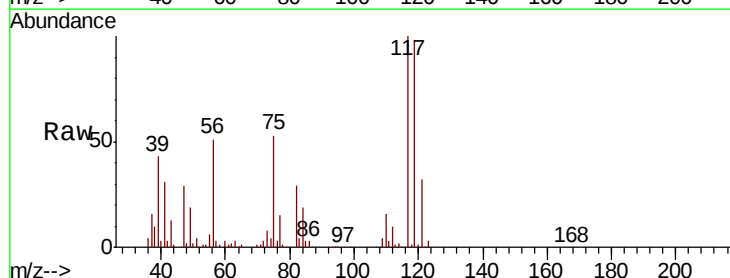
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

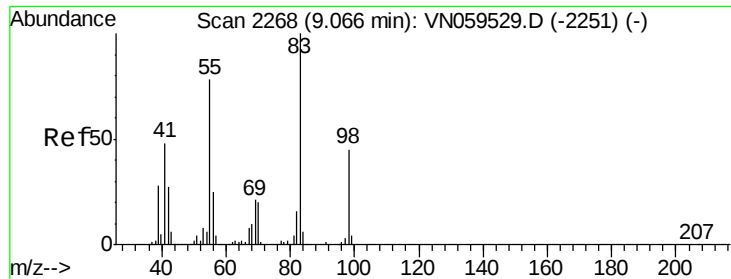
Tot Ion: 43 Resp: 263332
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.6
70 9.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 28.261 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 117 Resp: 237349
Ion Ratio Lower Upper
117 100
119 97.5 77.0 115.4
121 31.6 24.1 36.1

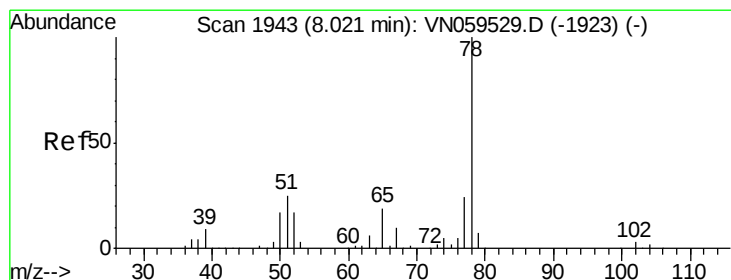
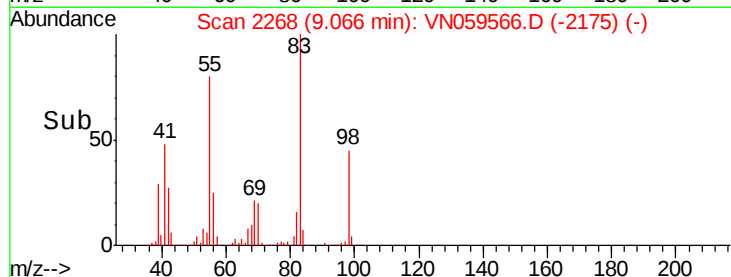
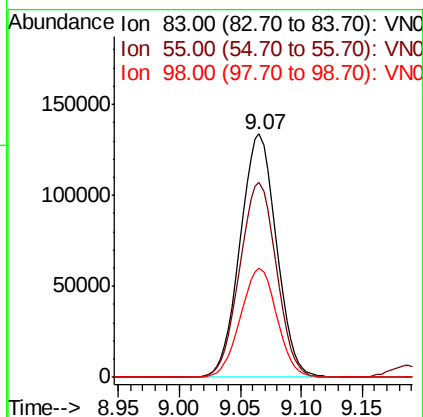
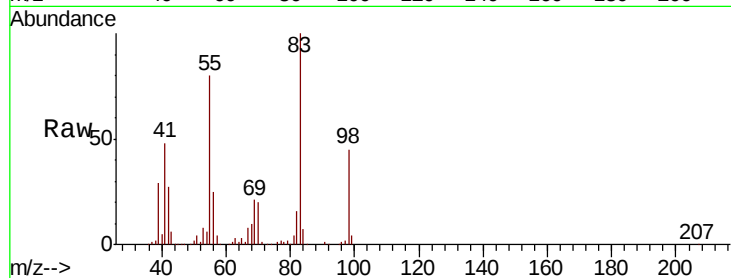




#39
Methvlcvclohexane
Concen: 28.777 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

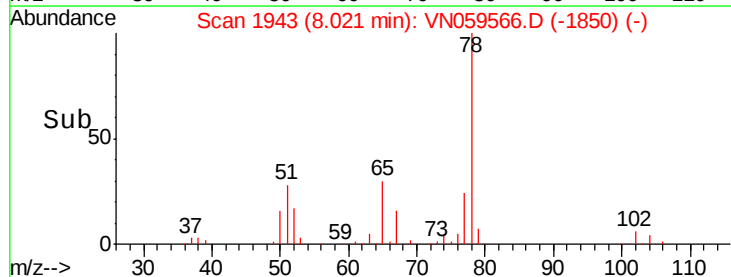
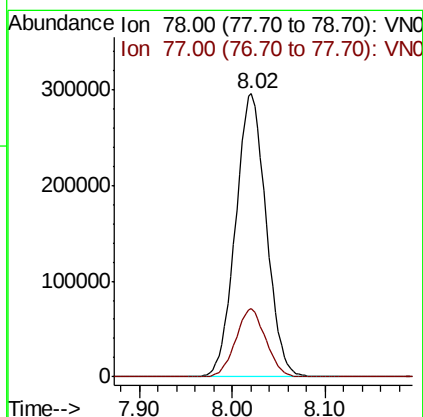
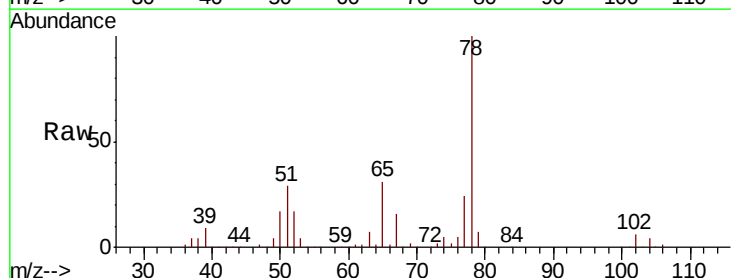
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

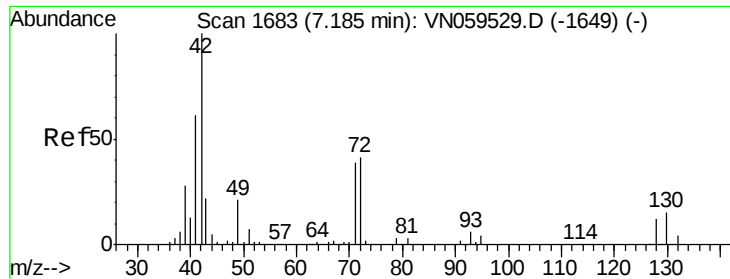
Tot Ion: 83 Resp: 275033
Ion Ratio Lower Upper
83 100
55 80.2 62.7 94.1
98 44.8 35.7 53.5



#40
Benzene
Concen: 27.819 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 78 Resp: 677133
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

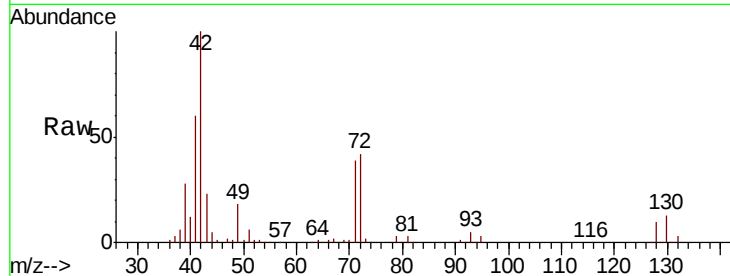




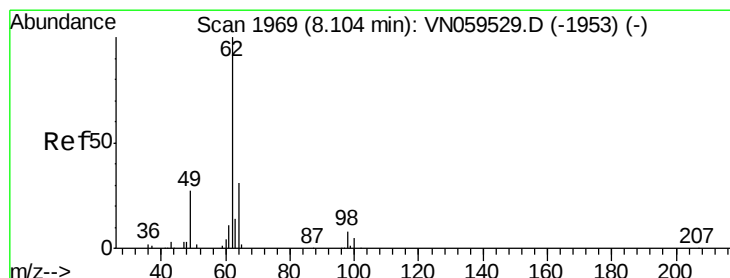
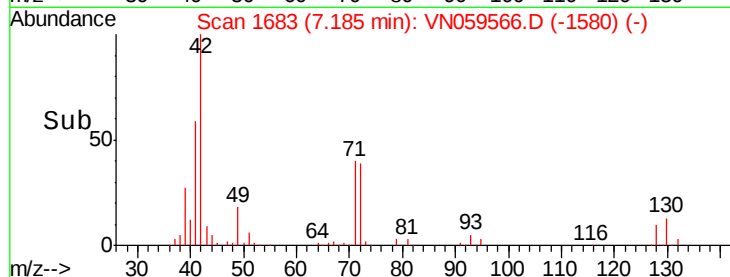
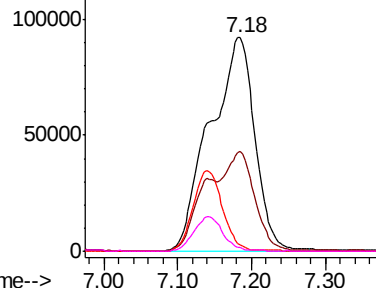
#41
Methacrylonitrile
Concen: 93.814 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	388451
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

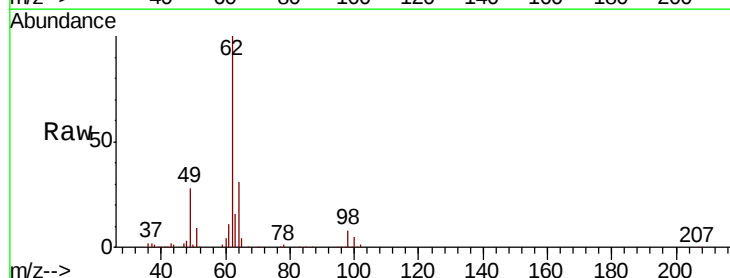


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

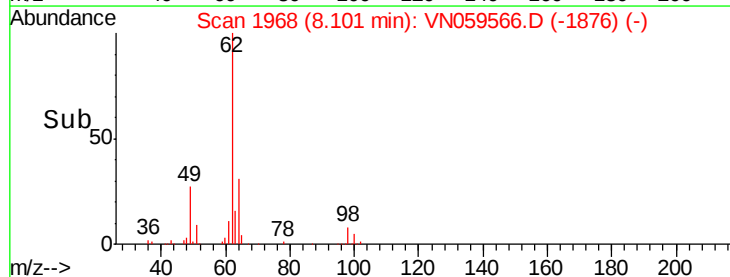
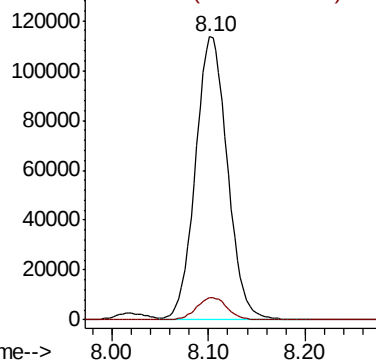


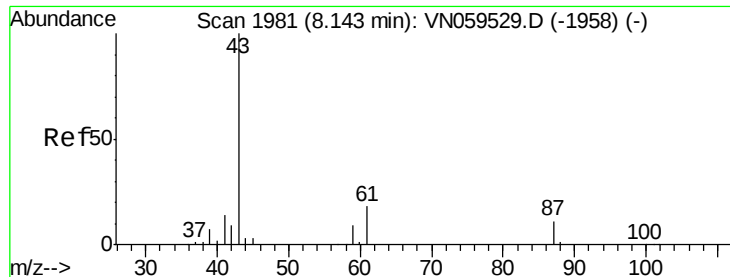
#42
1,2-Dichloroethane
Concen: 28.861 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion:	62	Resp:	261734
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



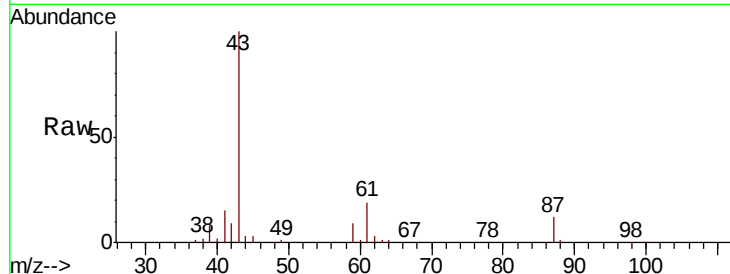


#43

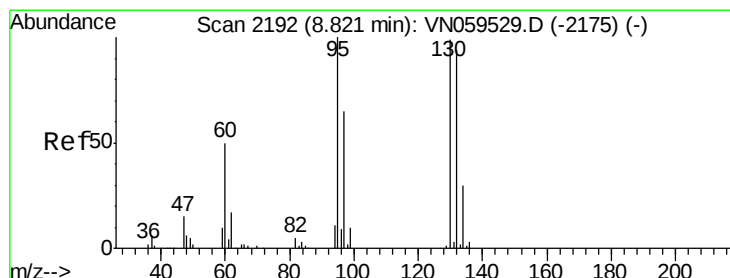
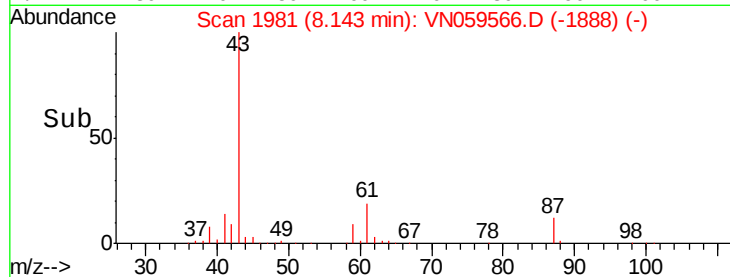
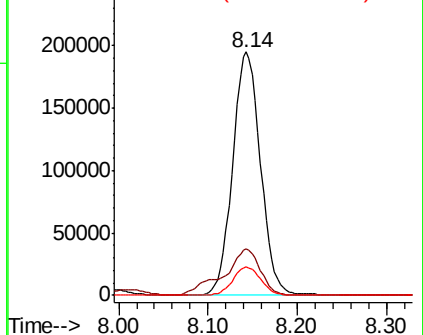
Isopropyl Acetate
 Concen: 28.600 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 420643
 Ion Ratio Lower Upper
 43 100
 61 25.3 19.8 29.6
 87 11.8 9.4 14.2



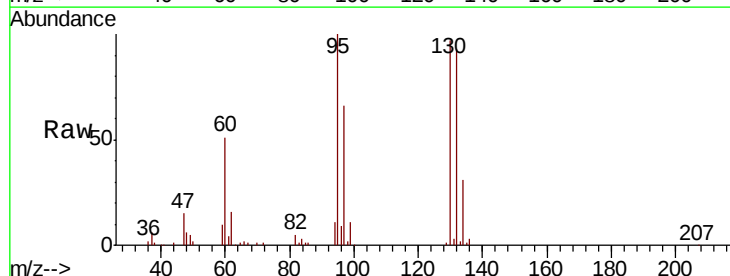
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



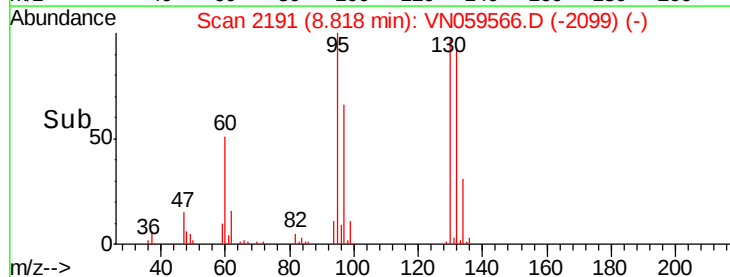
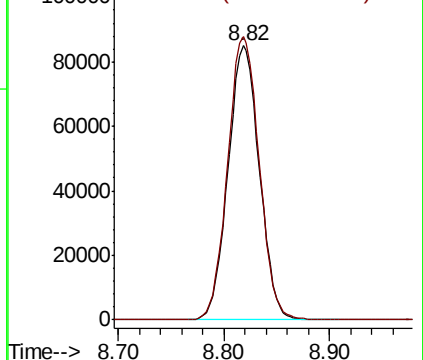
#44

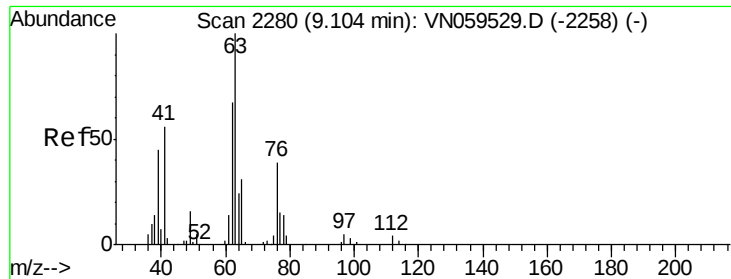
Trichloroethene
 Concen: 28.423 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion:130 Resp: 174776
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 28.934 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

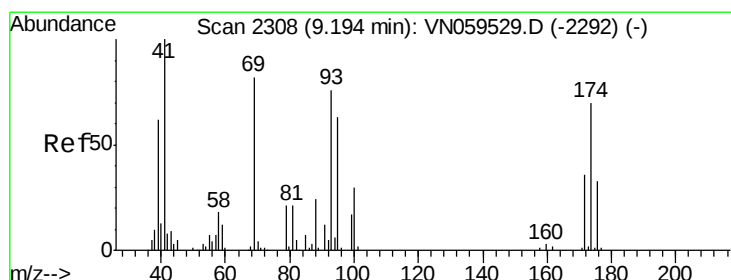
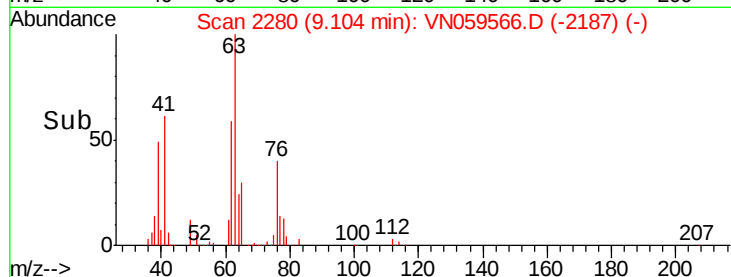
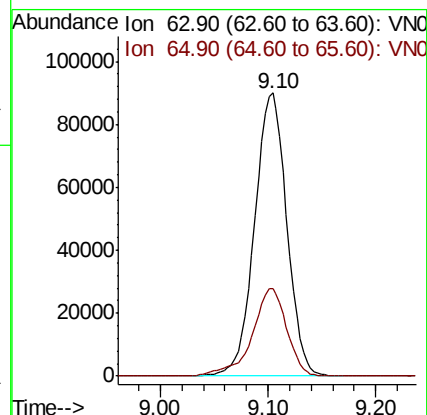
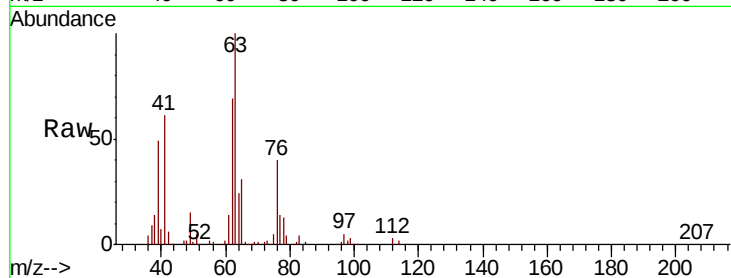
VSTDCCC050EC

Tot Ion: 63 Resp: 186568

Ion Ratio Lower Upper

63 100

65 30.9 24.8 37.2



#46

Dibromomethane

Concen: 27.919 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

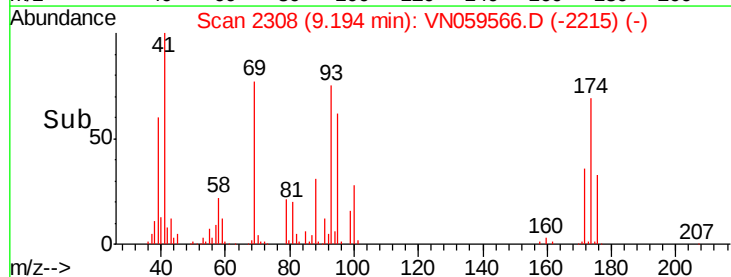
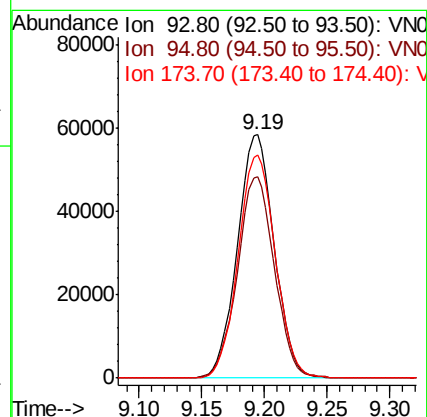
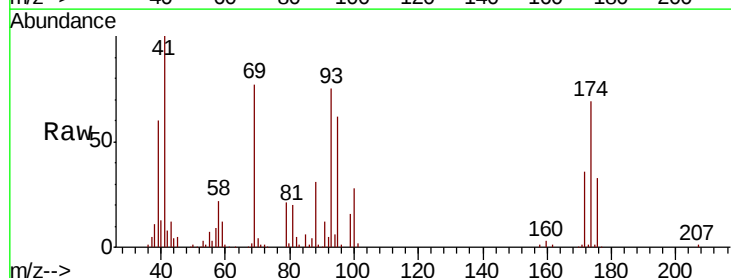
Tgt Ion: 93 Resp: 118971

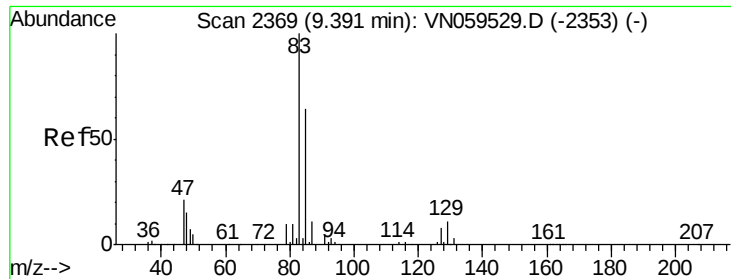
Ion Ratio Lower Upper

93 100

95 83.0 67.0 100.6

174 92.7 75.6 113.4

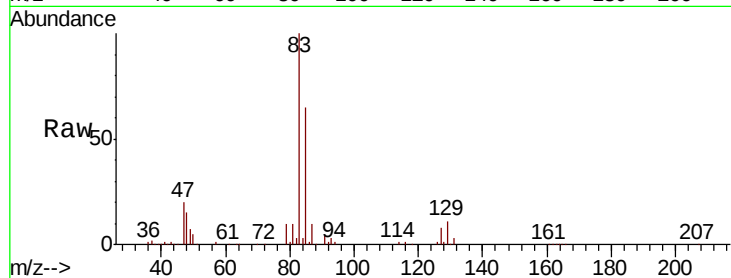




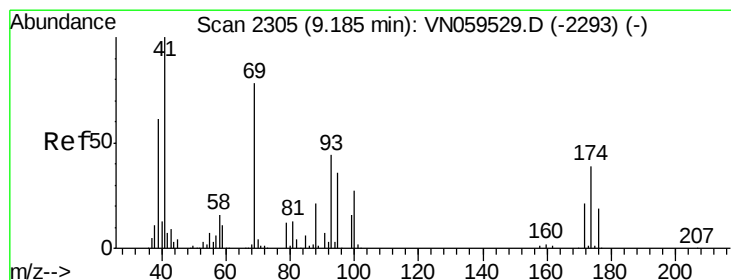
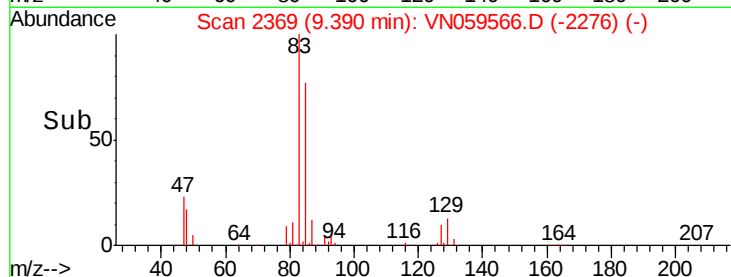
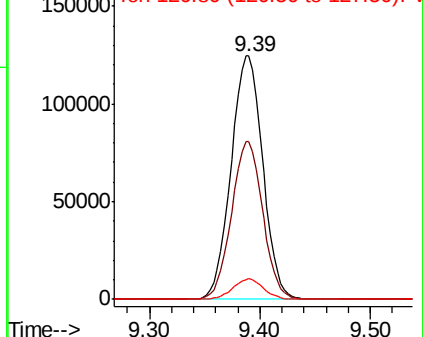
#47
Bromodichloromethane
Concen: 29.295 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 248104
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0
127 8.4 6.7 10.1

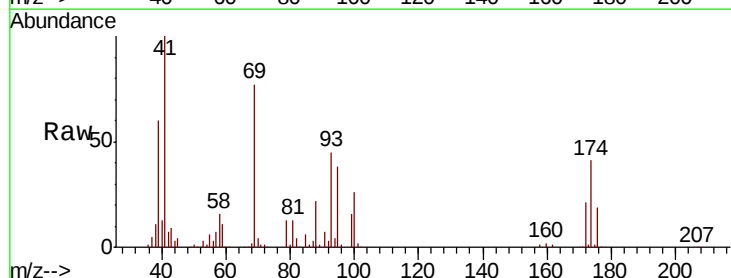


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

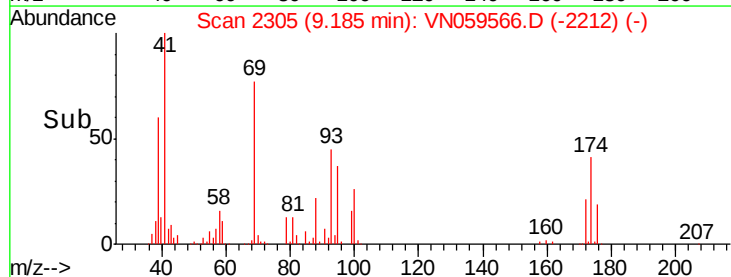
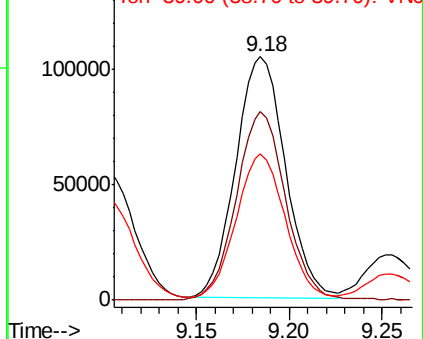


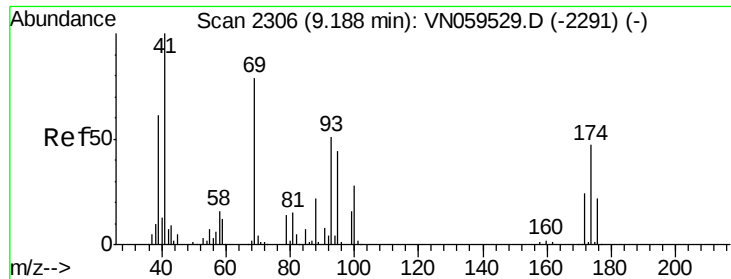
#48
Methyl methacrylate
Concen: 30.310 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 41 Resp: 194926
Ion Ratio Lower Upper
41 100
69 78.2 64.0 96.0
39 60.5 50.0 75.0



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

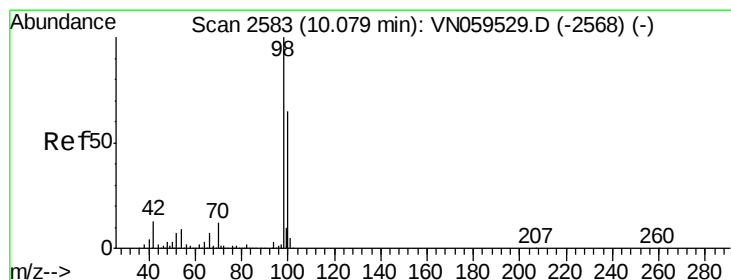
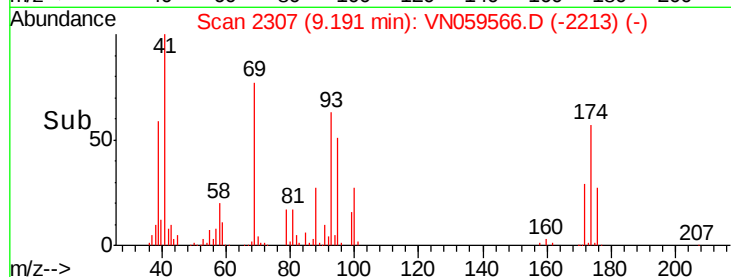
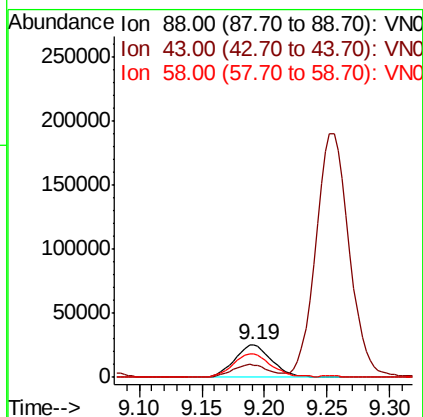
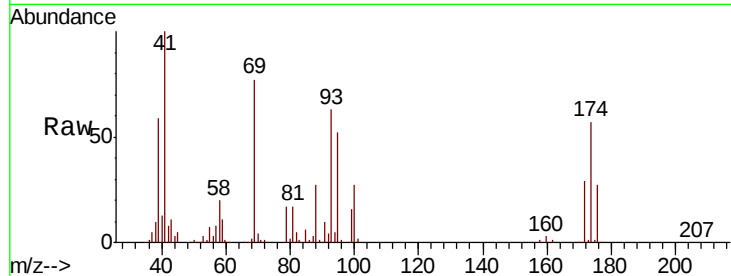




#49
1,4-Dioxane
Concen: 640.410 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

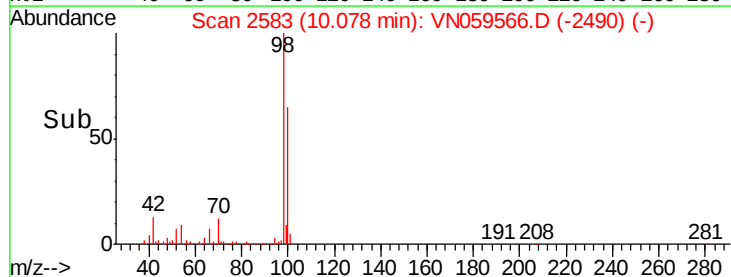
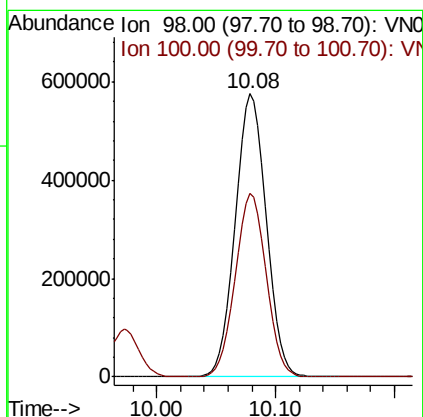
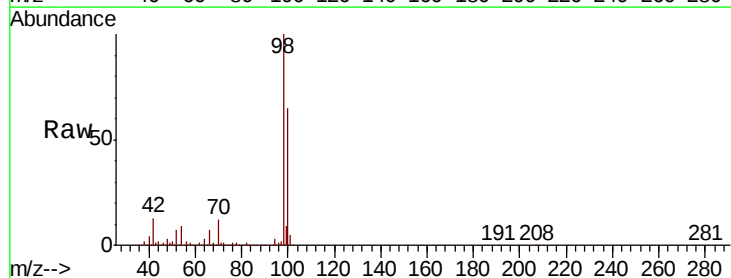
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

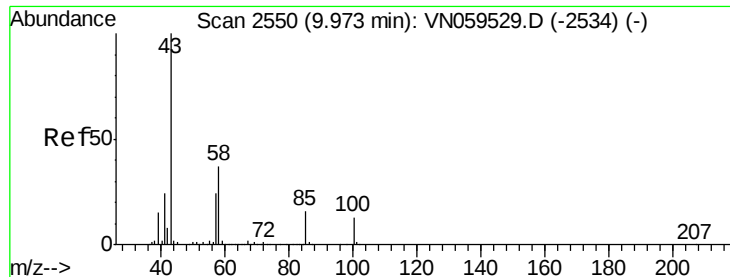
Tot Ion: 88 Resp: 52694
Ion Ratio Lower Upper
88 100
43 39.5 31.4 47.0
58 74.7 61.0 91.6



#50
Toluene-d8
Concen: 51.476 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 98 Resp: 1041492
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 139.463 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

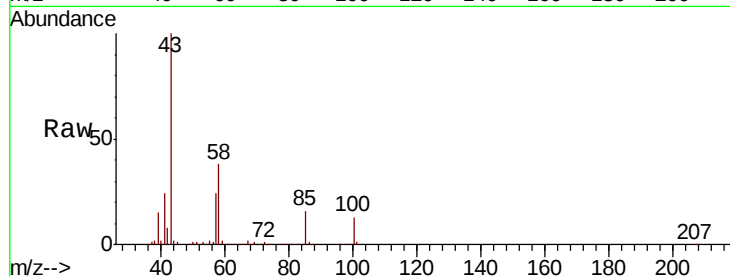
VSTDCCC050EC

Tot Ion: 43 Resp: 1306654

Ion Ratio Lower Upper

43 100

58 37.7 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D

Ion 58.00 (57.70 to 58.70): VN059529.D

9.97

800000

600000

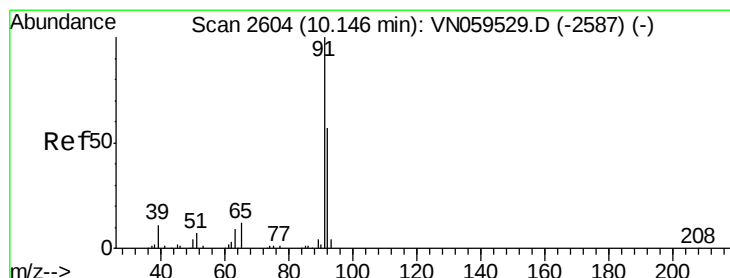
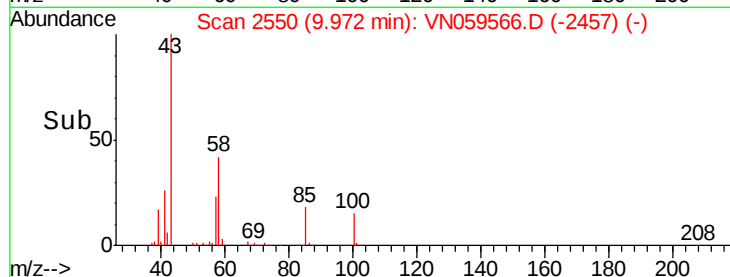
400000

200000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 29.144 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059566.D

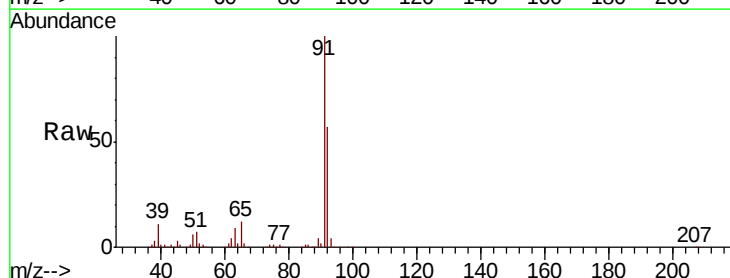
Acq: 11 Dec 2019 17:03

Tgt Ion: 92 Resp: 422671

Ion Ratio Lower Upper

92 100

91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN059529.D

Ion 91.00 (90.70 to 91.70): VN059529.D

10.14

400000

300000

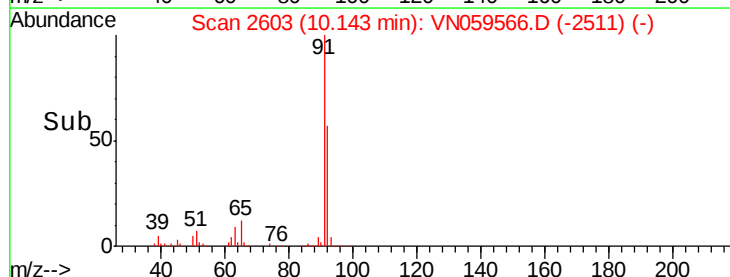
200000

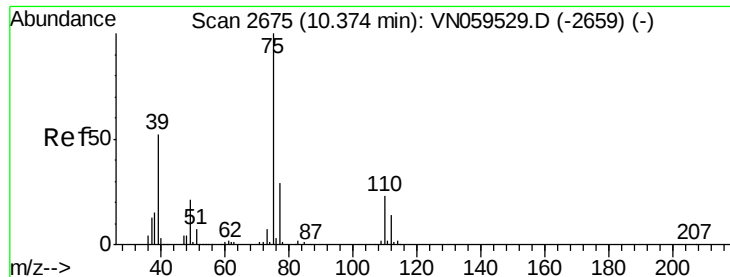
100000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 28.929 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

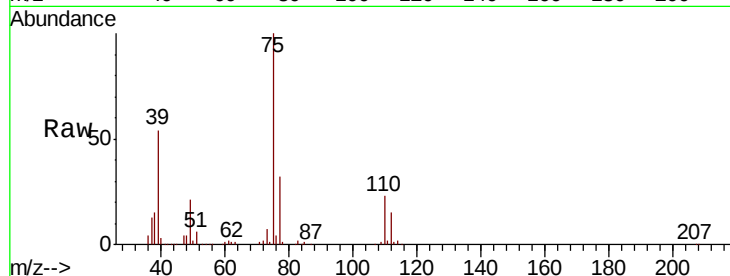
VSTDCCC050EC

Tot Ion: 75 Resp: 285463

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

150000

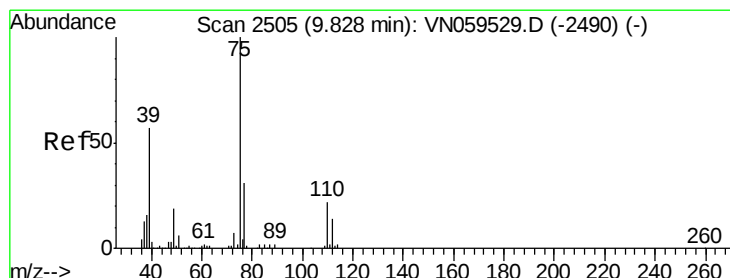
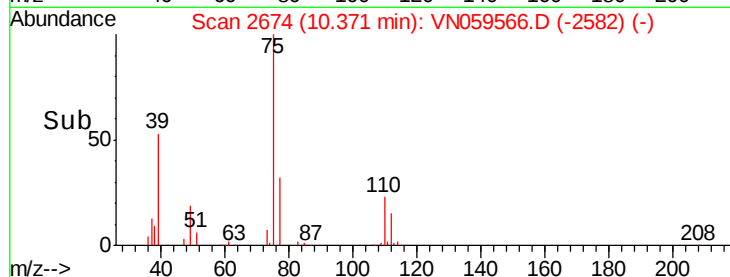
100000

50000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 29.564 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

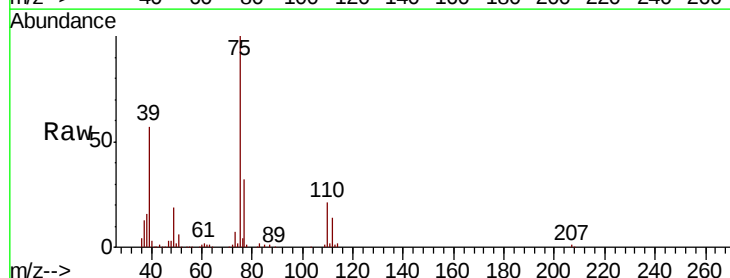
Tgt Ion: 75 Resp: 298573

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 56.7 45.6 68.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

150000

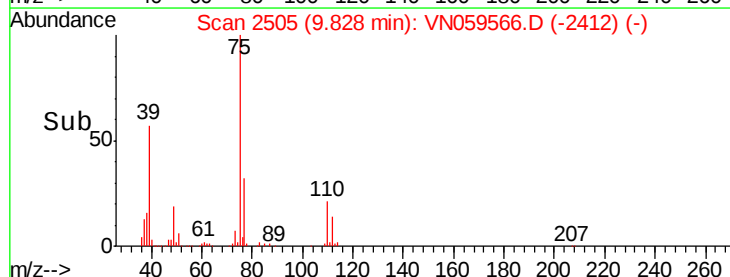
100000

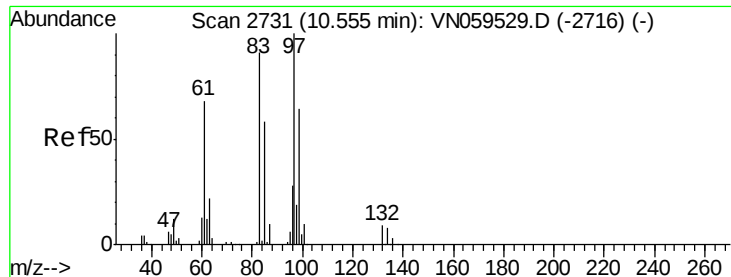
50000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 27.990 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 164175

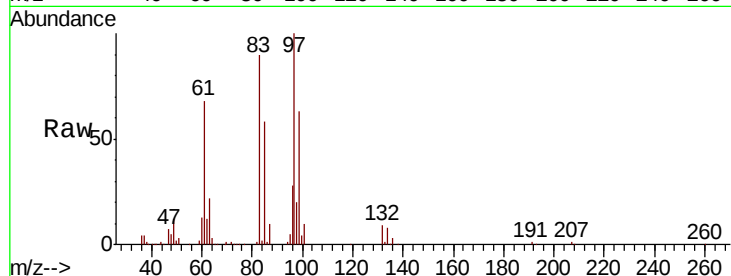
Ion Ratio Lower Upper

97 100

83 89.5 72.9 109.3

85 57.8 46.1 69.1

99 63.1 50.8 76.2



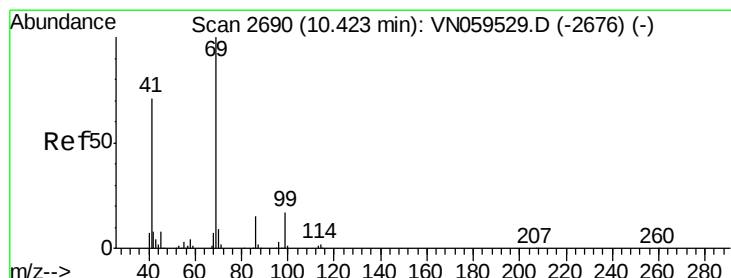
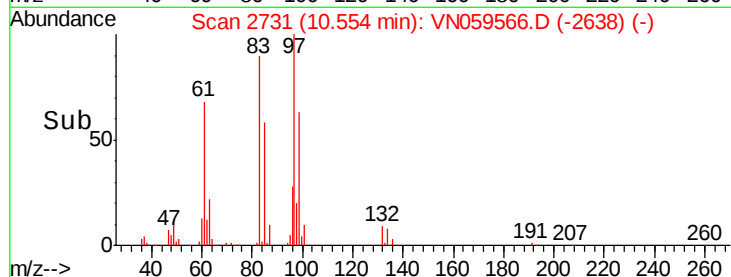
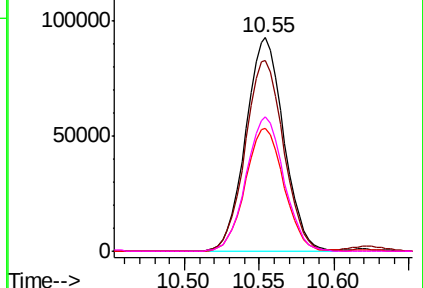
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 26.833 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

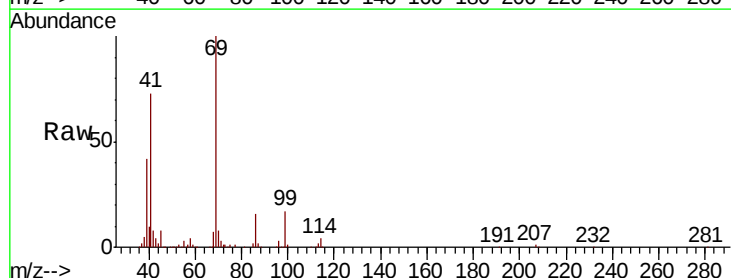
Tgt Ion: 69 Resp: 260718

Ion Ratio Lower Upper

69 100

41 71.4 57.7 86.5

39 42.2 34.2 51.2

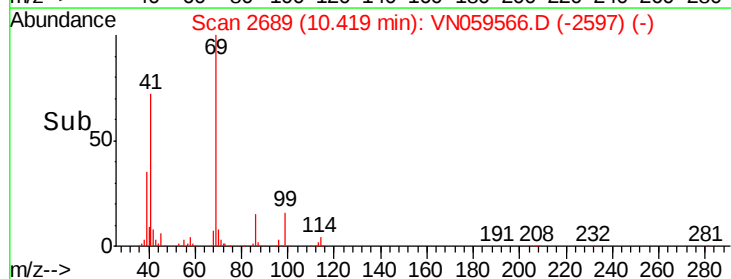
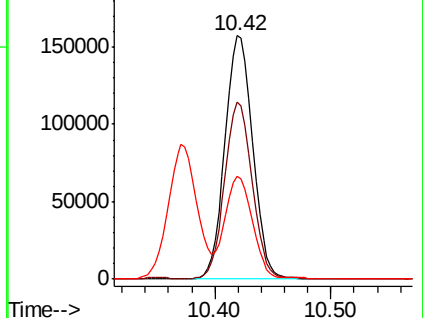


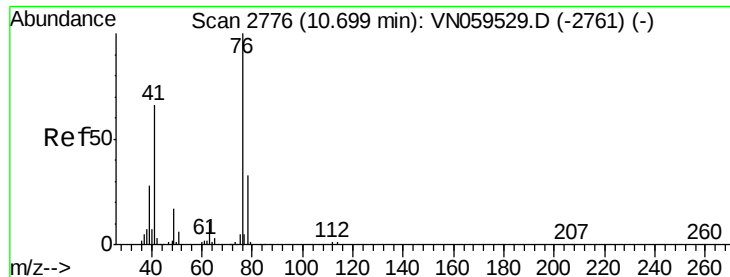
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 29.028 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

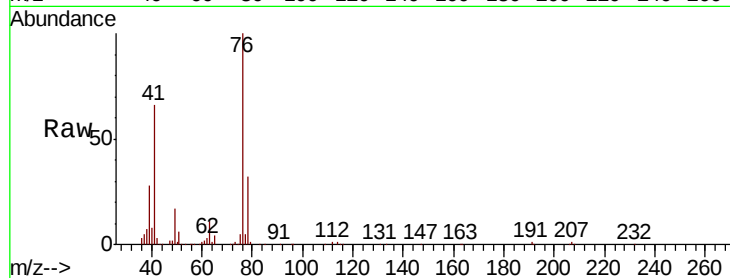
VSTDCCC050EC

Tot Ion: 76 Resp: 290790

Ion Ratio Lower Upper

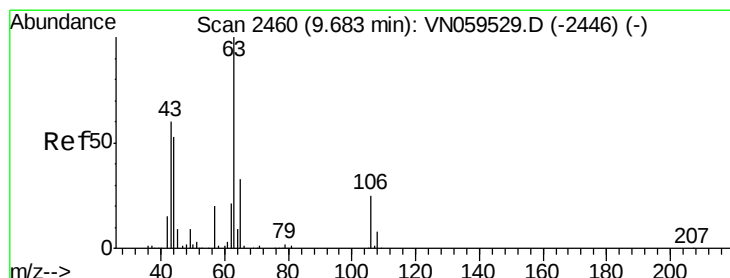
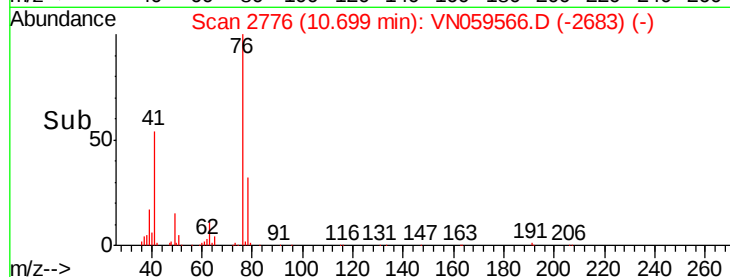
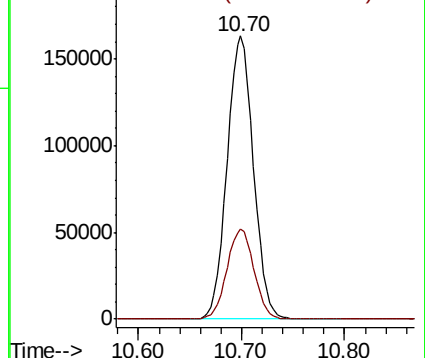
76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 118.229 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059566.D

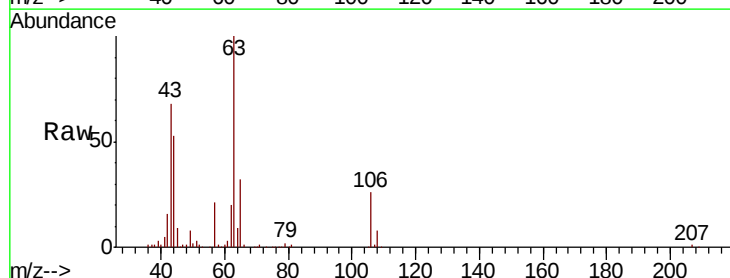
Acq: 11 Dec 2019 17:03

Tgt Ion: 63 Resp: 284088

Ion Ratio Lower Upper

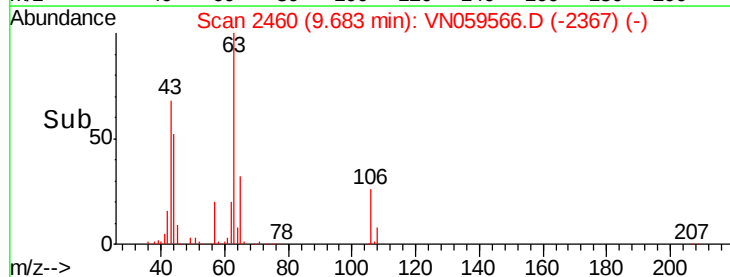
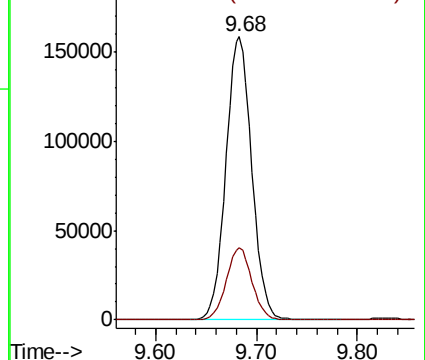
63 100

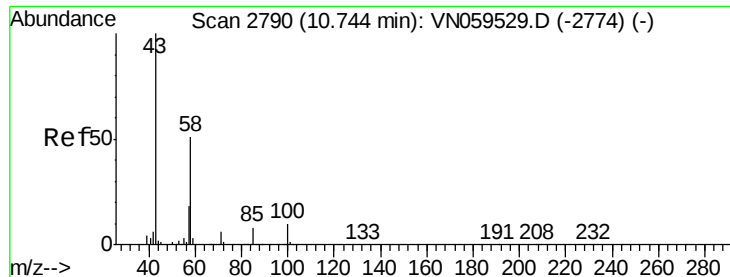
106 25.2 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

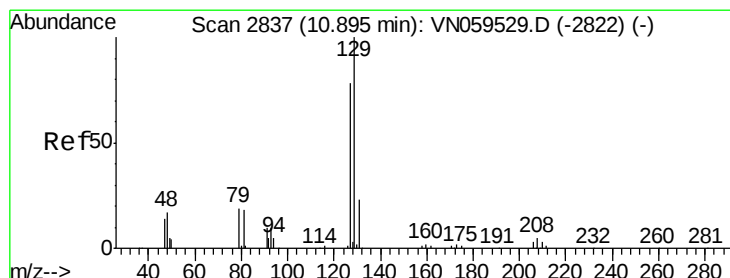
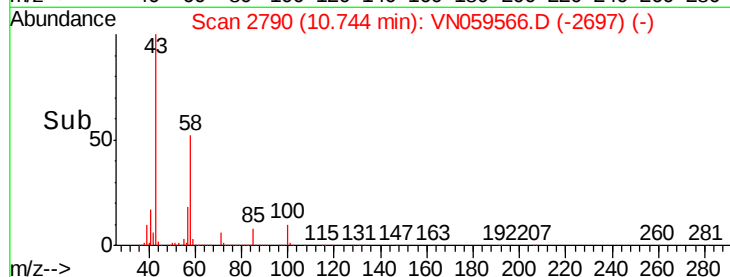
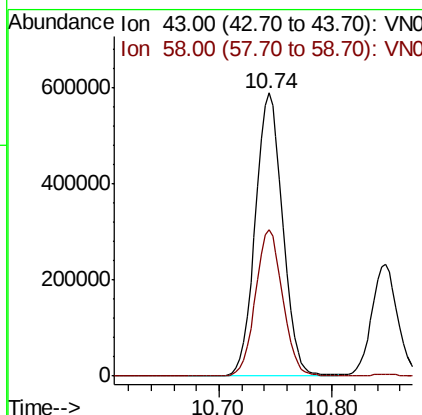
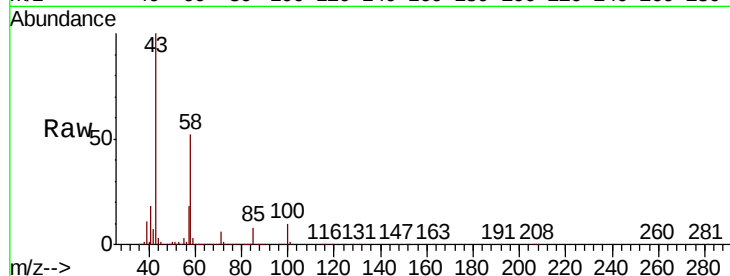




#59
2-Hexanone
Concen: 139.659 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

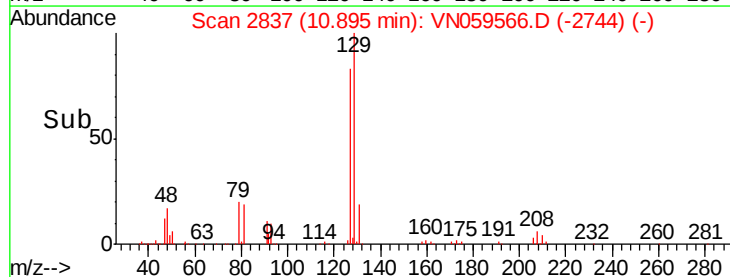
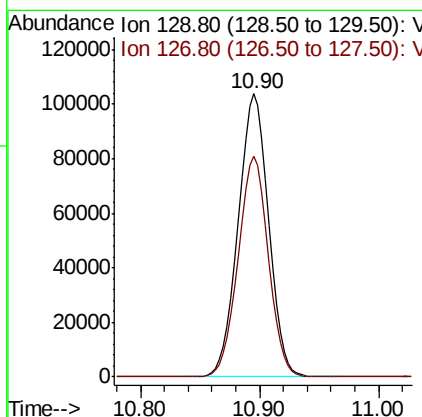
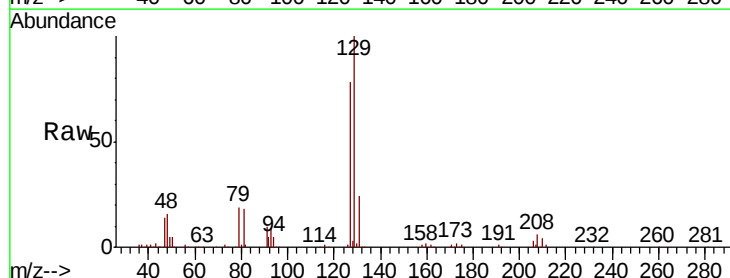
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

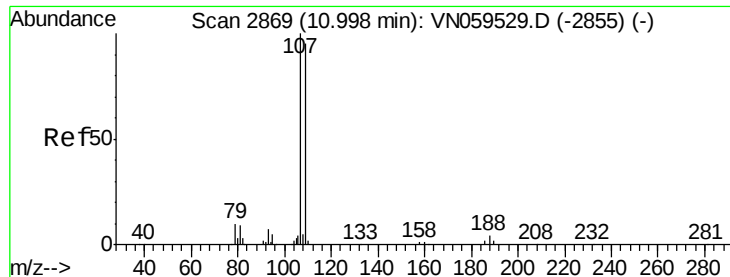
Tot Ion: 43 Resp: 989834
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6



#60
Dibromochloromethane
Concen: 26.763 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 129 Resp: 183868
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6

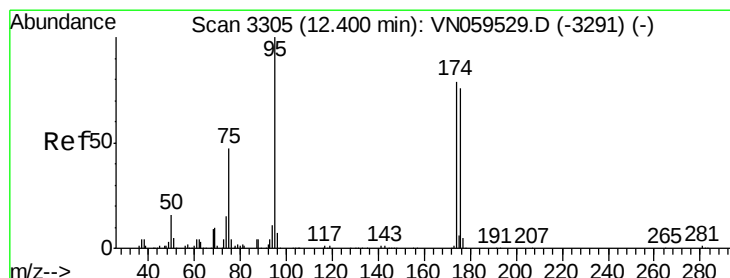
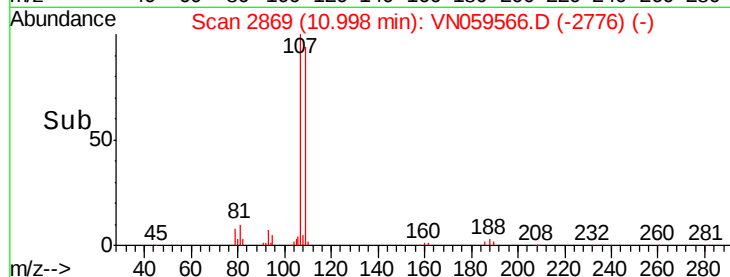
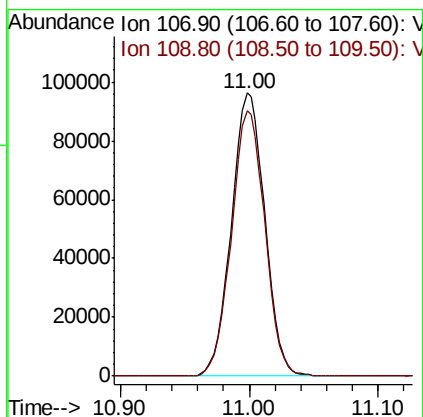
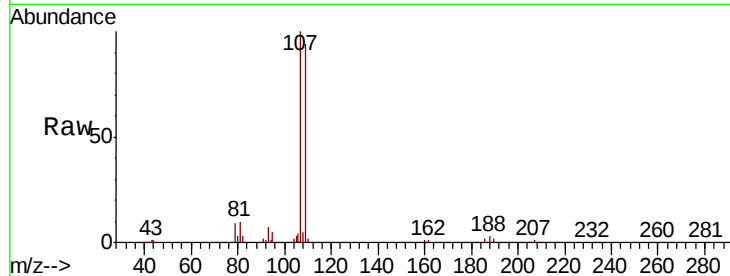




#61
1,2-Dibromoethane
Concen: 28.343 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

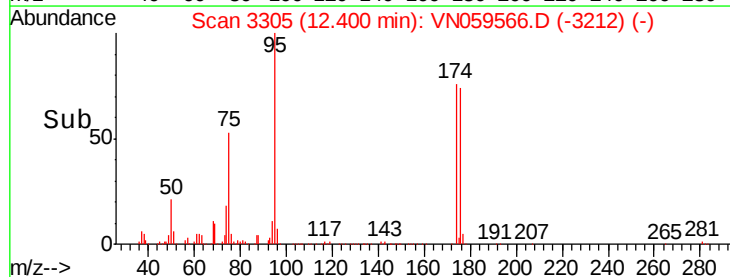
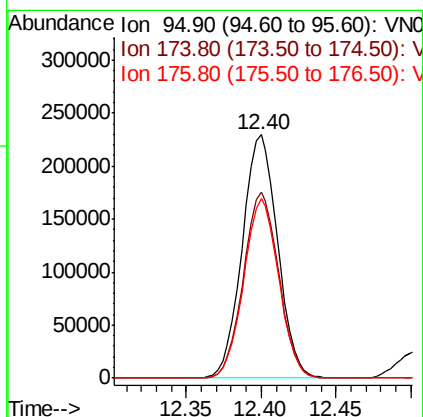
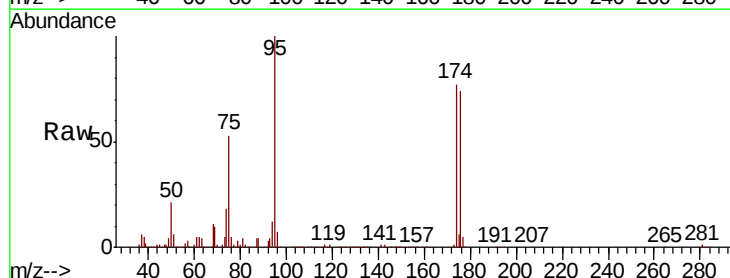
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

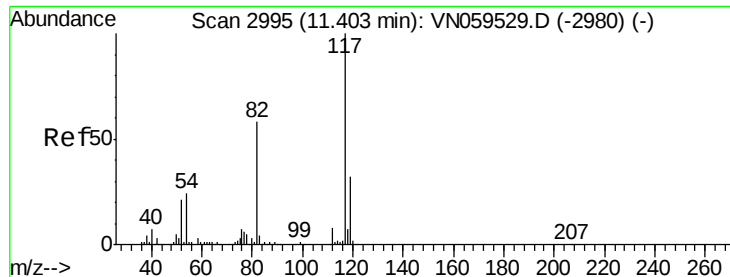
Tot Ion: 107 Resp: 173063
Ion Ratio Lower Upper
107 100
109 93.9 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 50.486 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 95 Resp: 378109
Ion Ratio Lower Upper
95 100
174 76.0 0.0 158.0
176 73.0 0.0 155.4

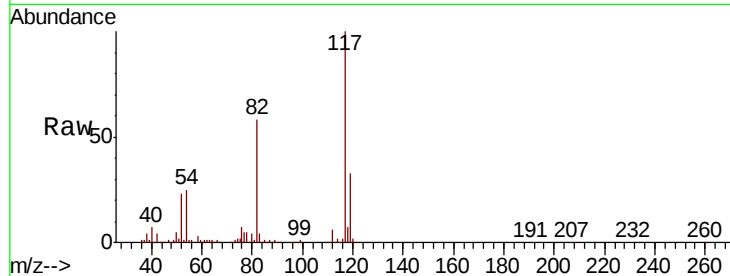




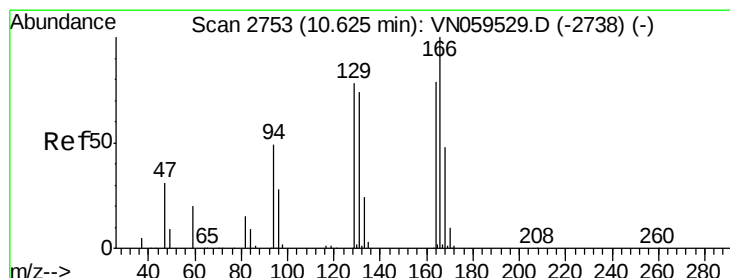
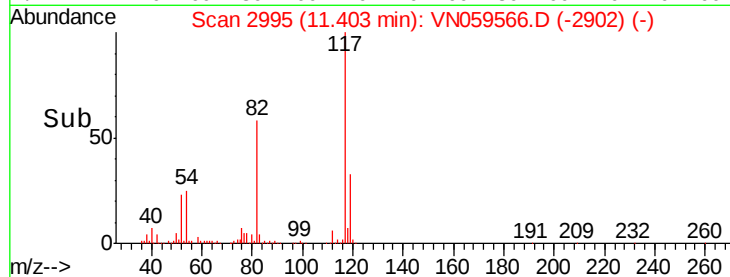
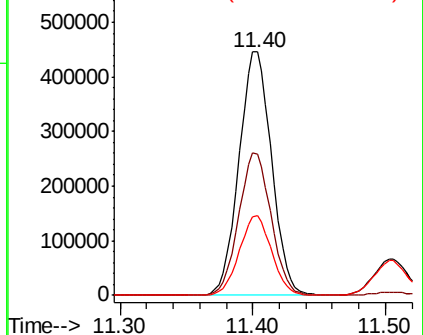
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 762997
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 32.6 25.2 37.8

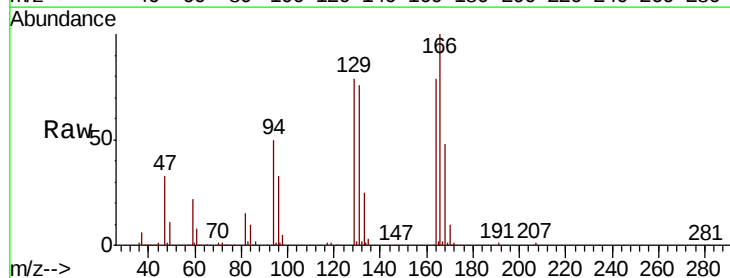


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

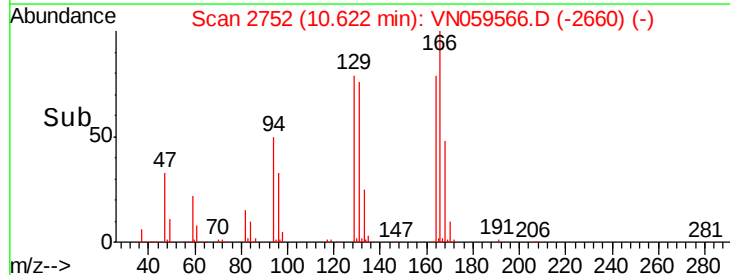
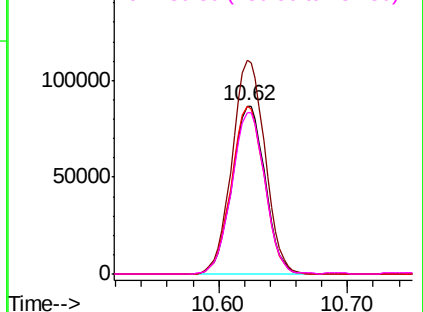


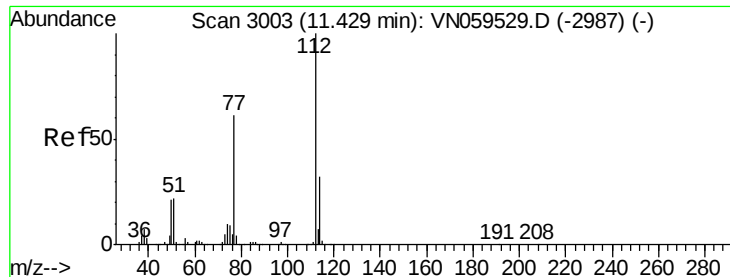
#64
Tetrachloroethene
Concen: 27.664 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion:164 Resp: 154265
Ion Ratio Lower Upper
164 100
166 127.1 101.6 152.4
129 99.8 79.0 118.6
131 96.0 74.7 112.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 27.499 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

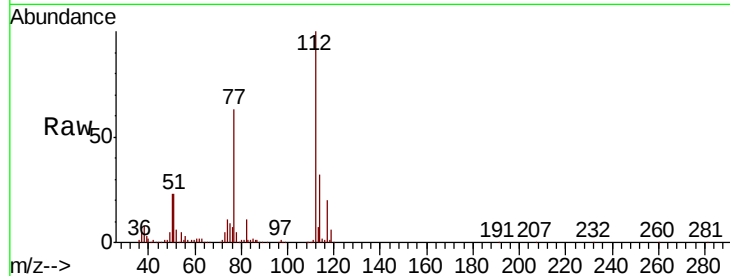
VSTDCCC050EC

Tot Ion:112 Resp: 439628

Ion Ratio Lower Upper

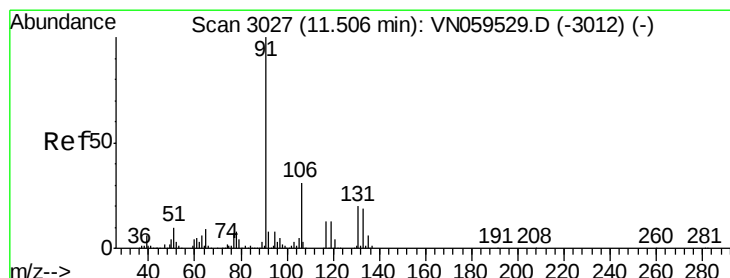
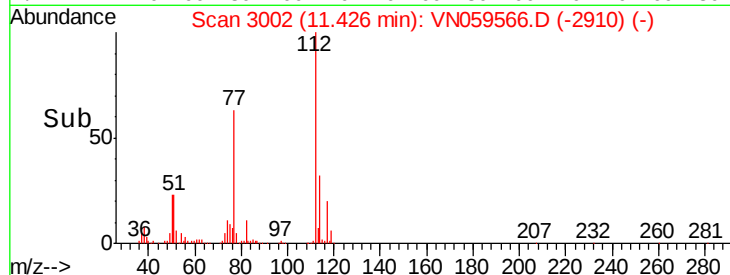
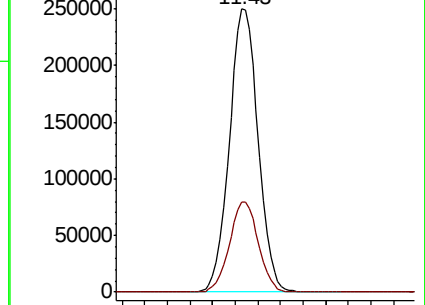
112 100

114 31.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 28.065 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

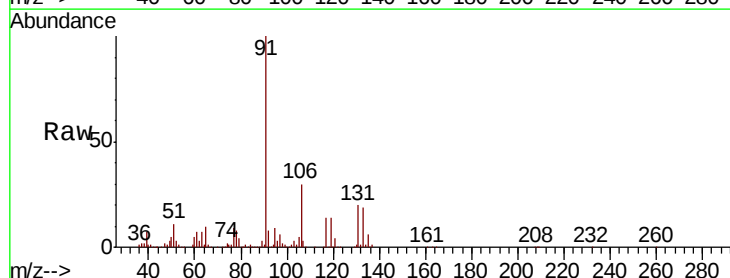
Tgt Ion:131 Resp: 167345

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

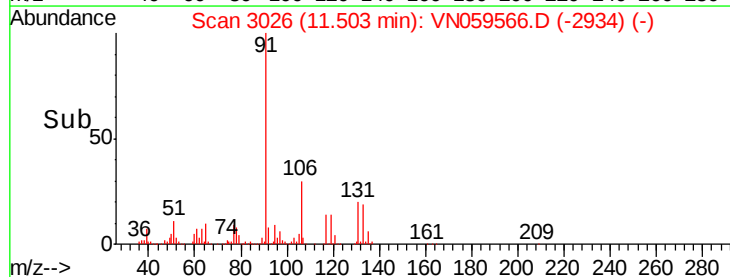
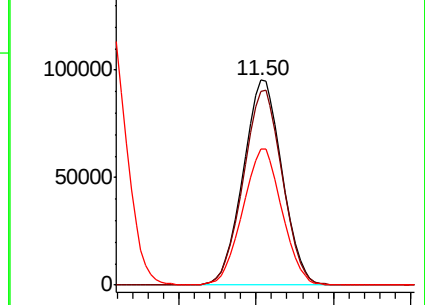
119 67.0 33.4 100.2

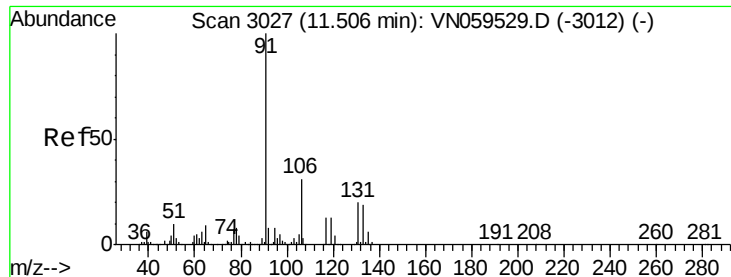


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 28.506 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

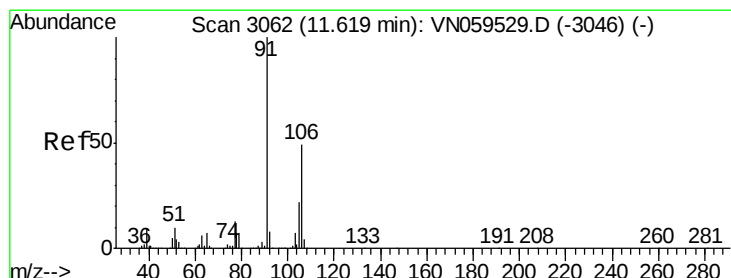
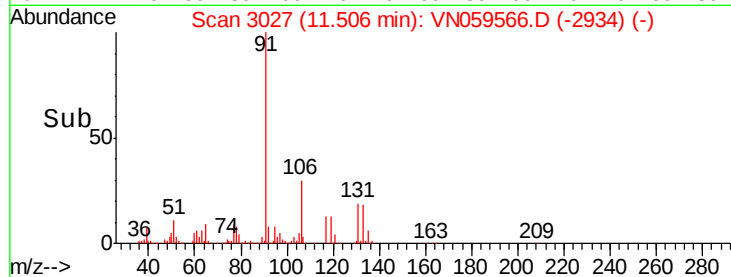
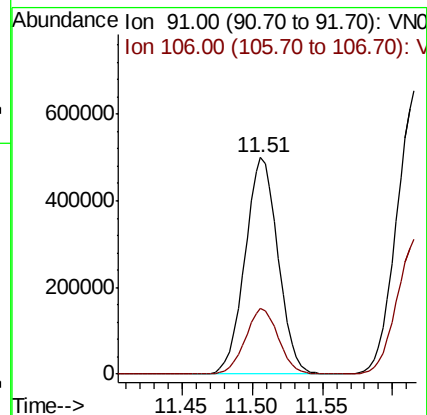
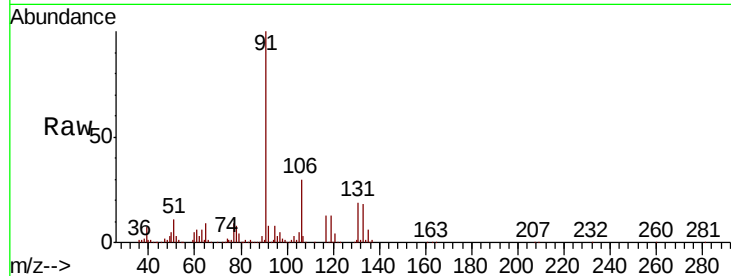
VSTDCCC050EC

Tot Ion: 91 Resp: 820098

Ion Ratio Lower Upper

91 100

106 30.3 24.5 36.7



#68

m/p-Xylenes

Concen: 55.711 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059566.D

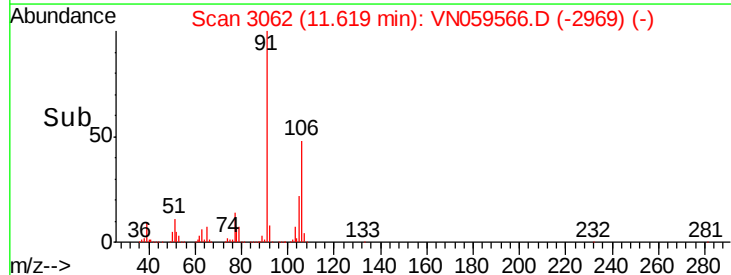
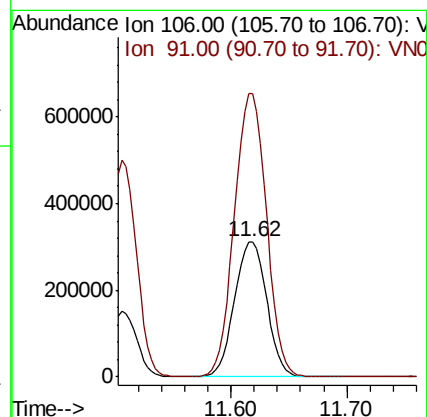
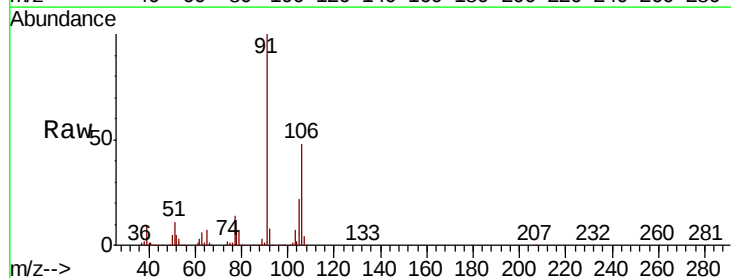
Acq: 11 Dec 2019 17:03

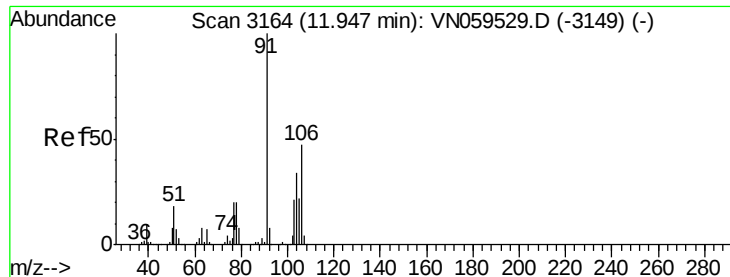
Tgt Ion: 106 Resp: 601242

Ion Ratio Lower Upper

106 100

91 209.1 162.9 244.3

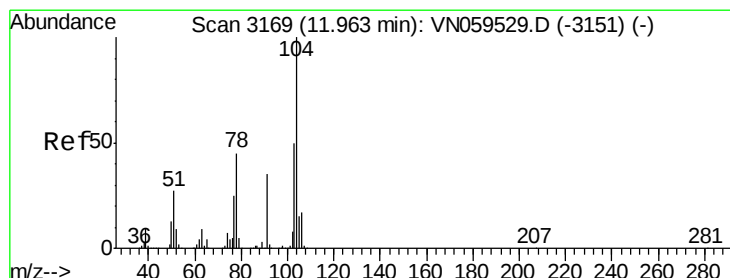
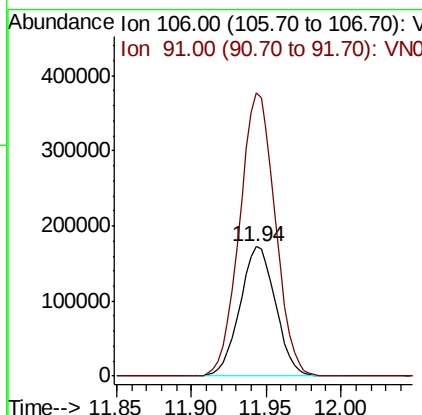
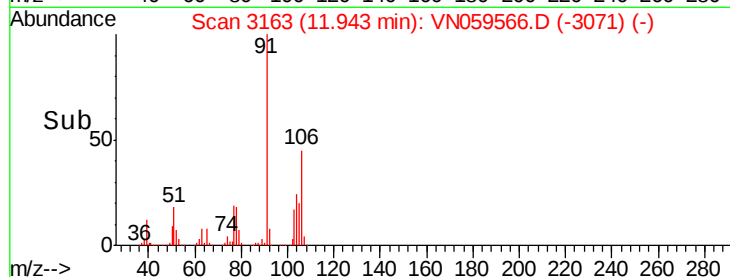
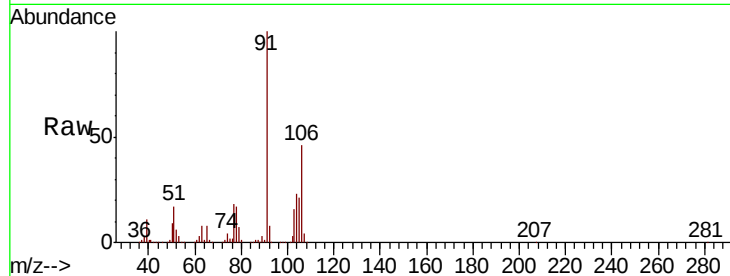




#69
o-Xylene
Concen: 28.472 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

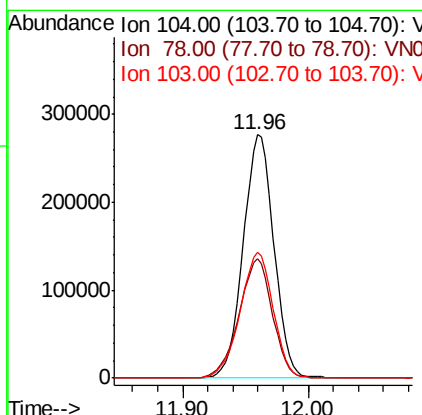
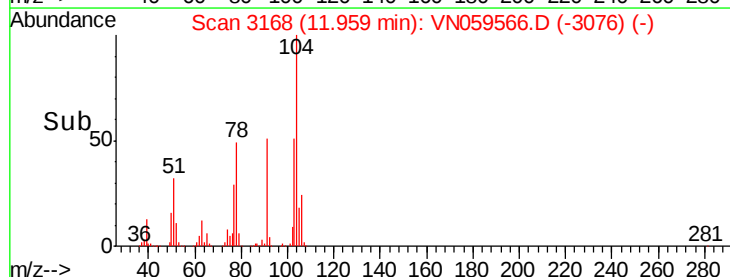
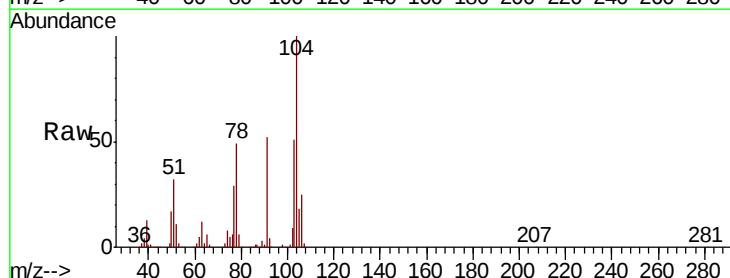
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

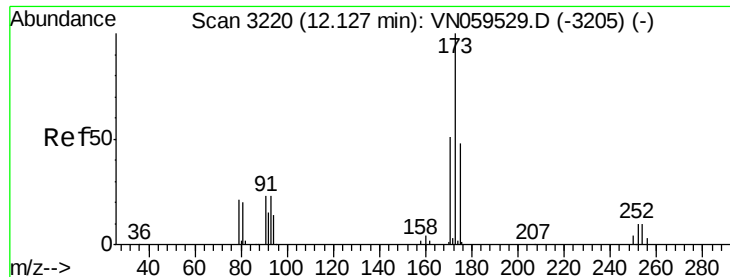
Tot Ion:106 Resp: 286000
Ion Ratio Lower Upper
106 100
91 218.9 106.7 319.9



#70
Styrene
Concen: 28.368 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion:104 Resp: 472091
Ion Ratio Lower Upper
104 100
78 53.2 40.6 60.8
103 55.5 43.9 65.9





#71

Bromoform

Concen: 28.055 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

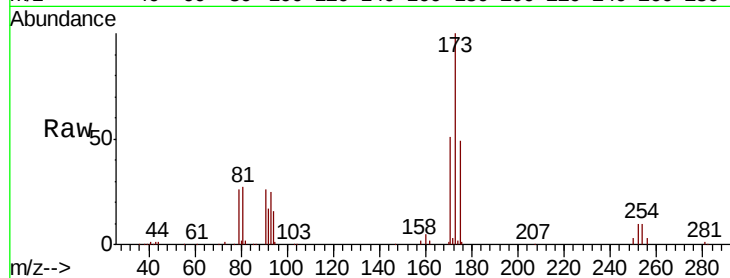
Tot Ion:173 Resp: 131623

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.4

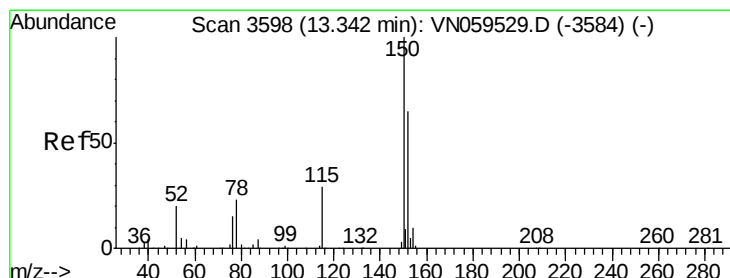
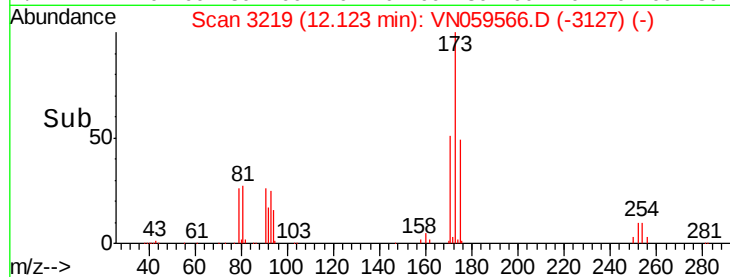
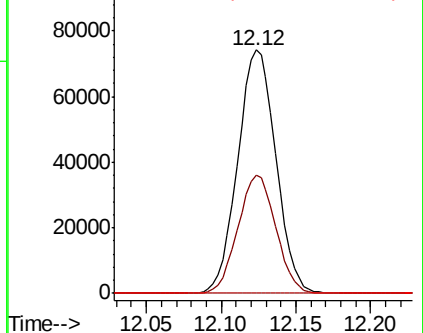
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

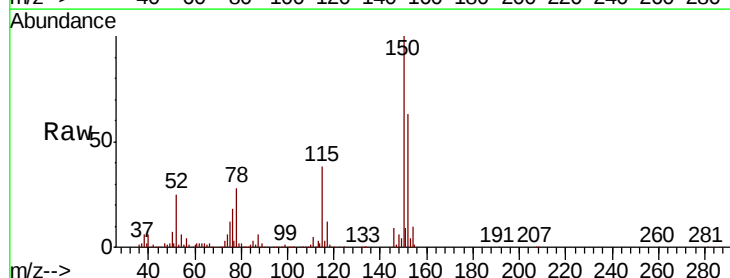
Tgt Ion:152 Resp: 365810

Ion Ratio Lower Upper

152 100

115 60.5 29.4 88.2

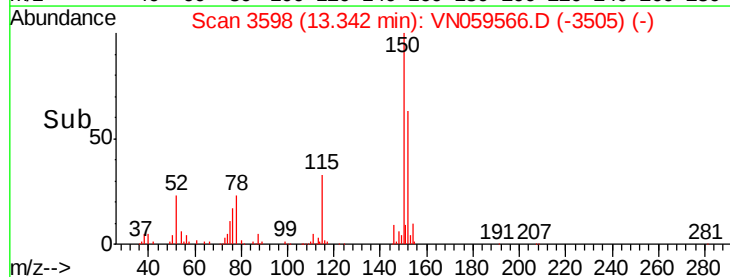
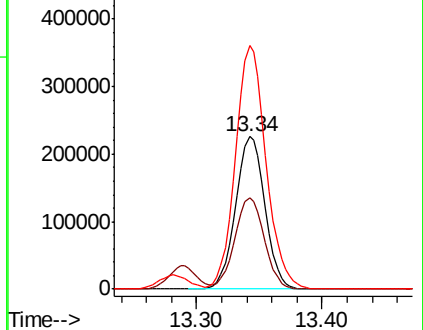
150 166.5 0.0 342.4

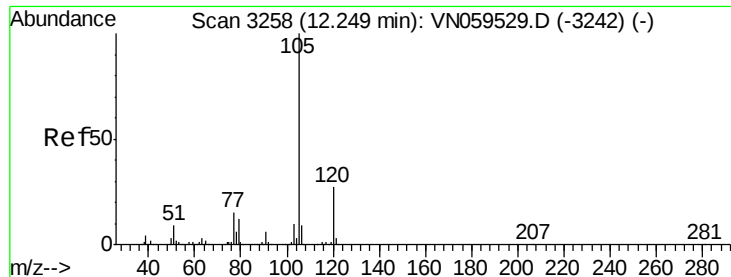


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 28.257 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

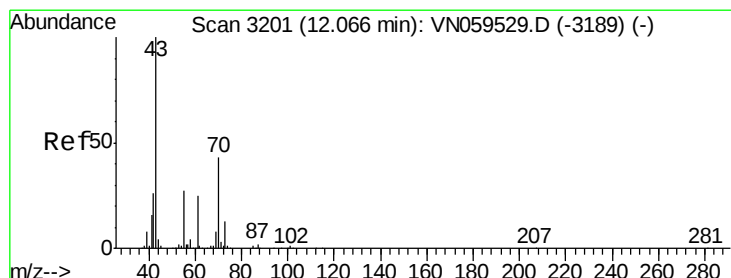
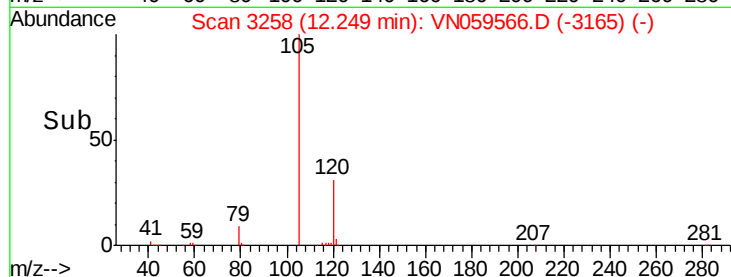
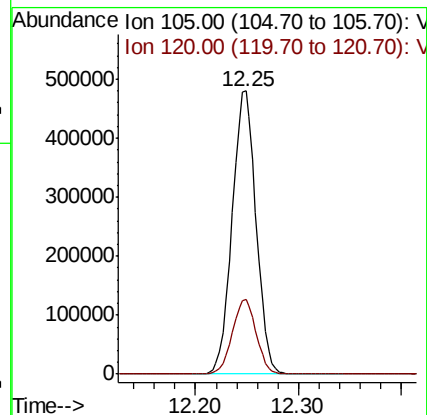
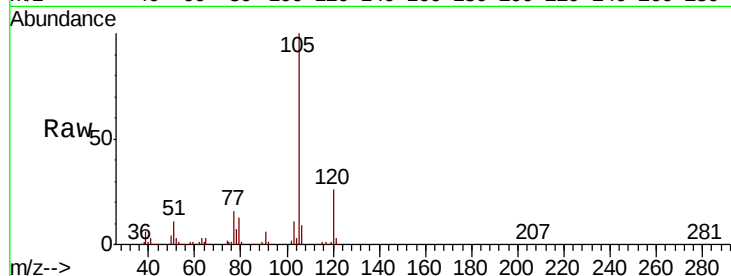
VSTDCCC050EC

Tot Ion: 105 Resp: 775361

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 30.054 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Tgt Ion: 43 Resp: 359223

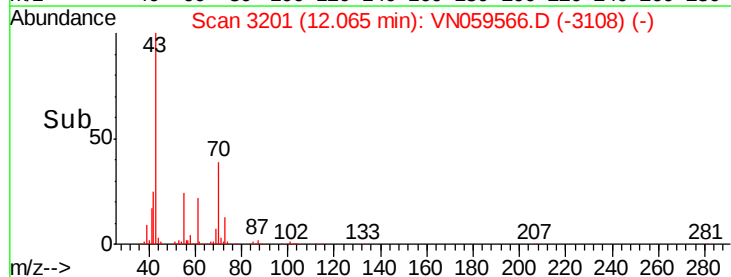
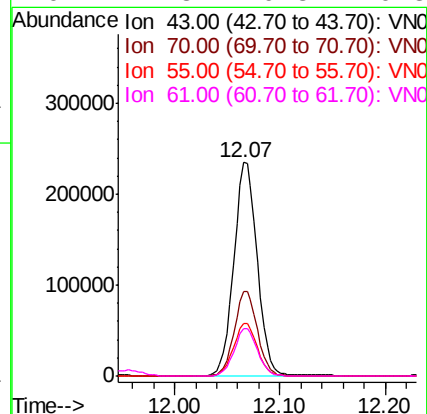
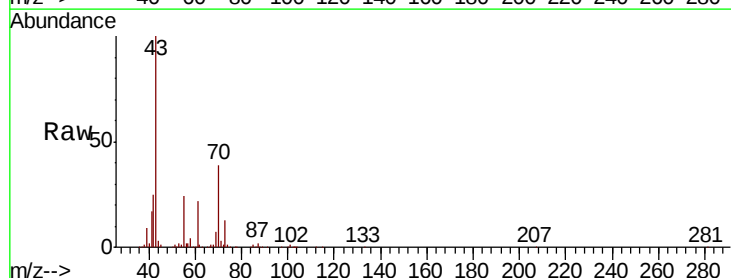
Ion Ratio Lower Upper

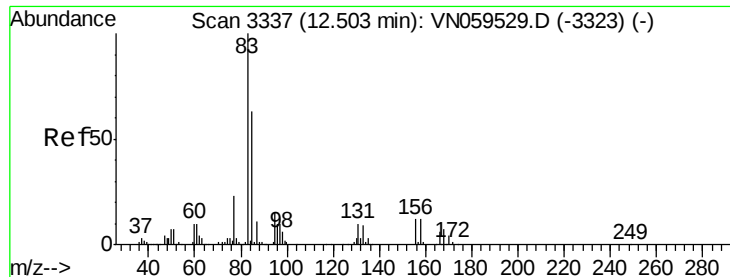
43 100

70 39.1 34.2 51.4

55 24.9 21.3 31.9

61 22.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 26.413 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

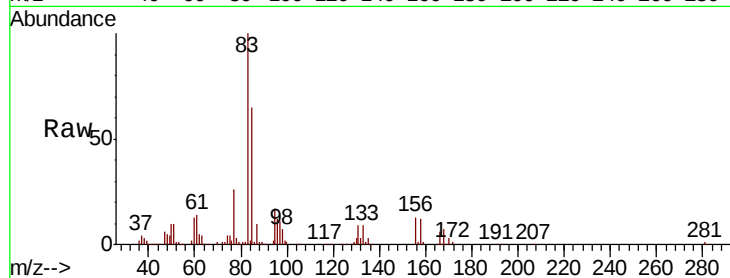
Tot Ion: 83 Resp: 245589

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

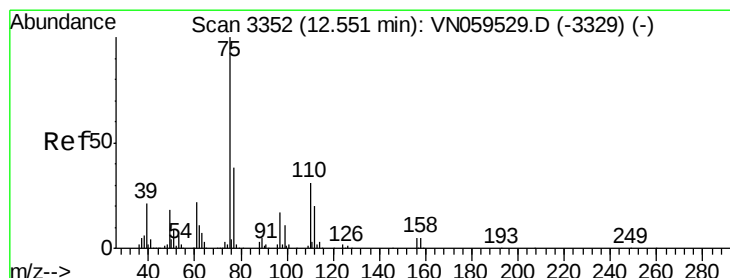
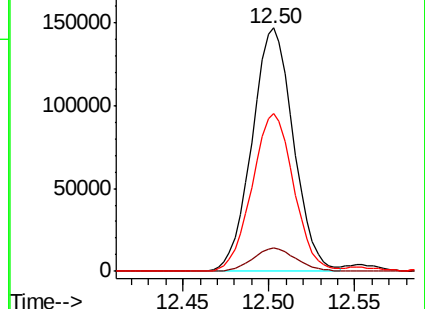
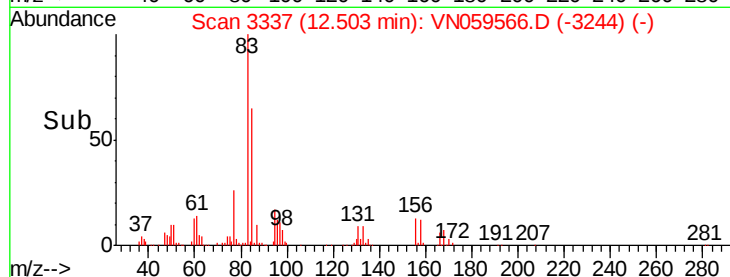
85 64.8 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN059566.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059566.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059566.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 37.837 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059566.D

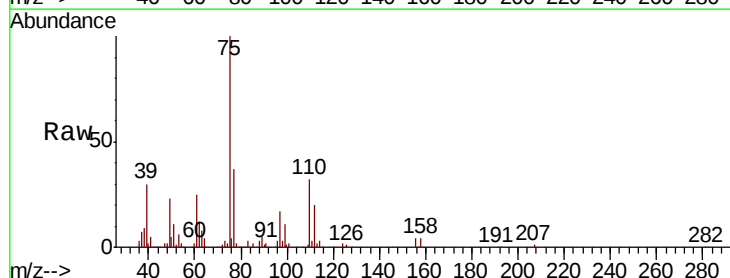
Acq: 11 Dec 2019 17:03

Tgt Ion: 75 Resp: 353956

Ion Ratio Lower Upper

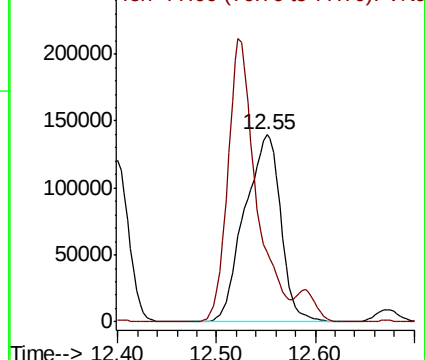
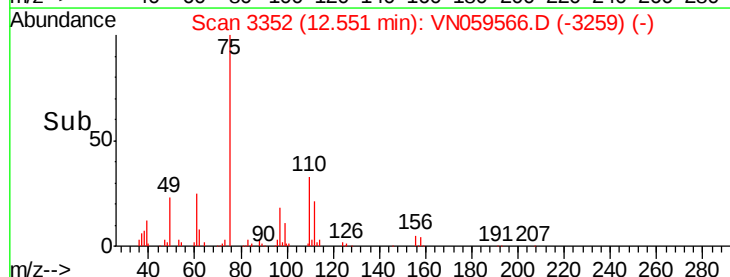
75 100

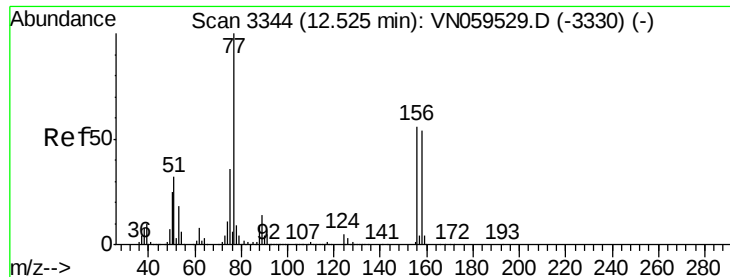
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059566.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059566.D (-3259) (-)

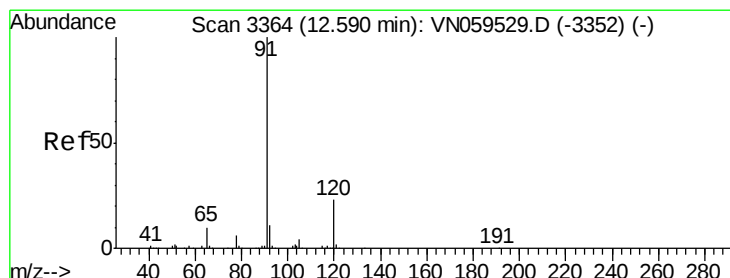
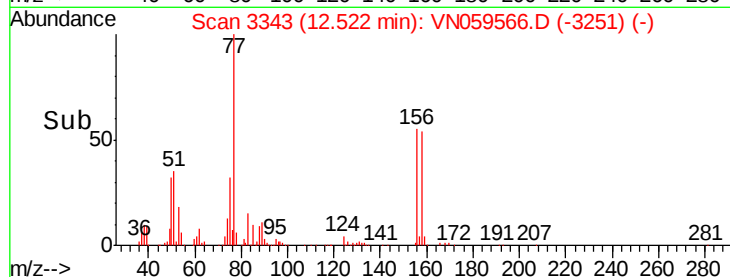
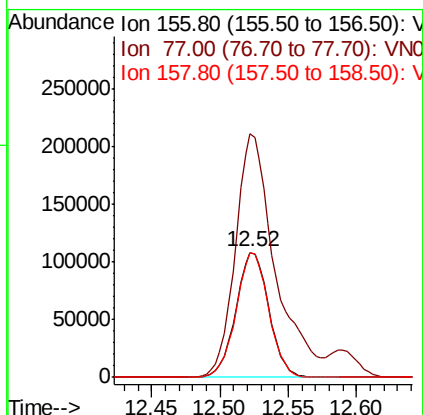
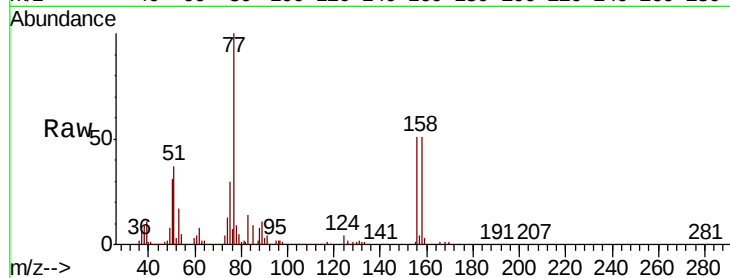




#77
Bromobenzene
Concen: 26.602 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

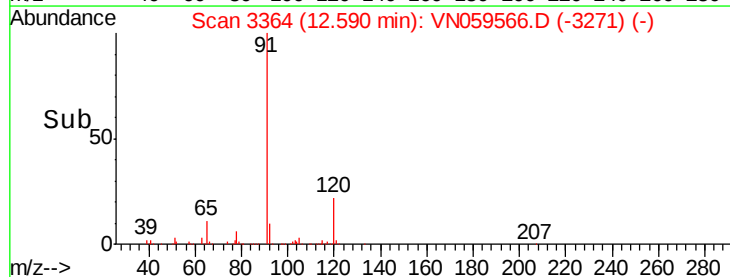
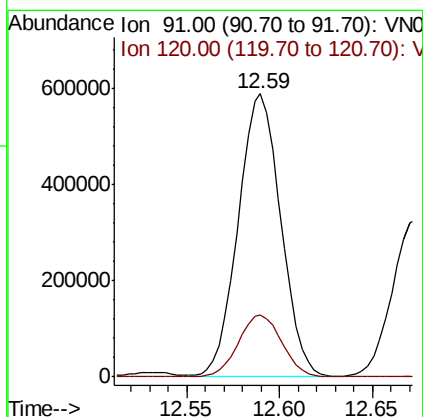
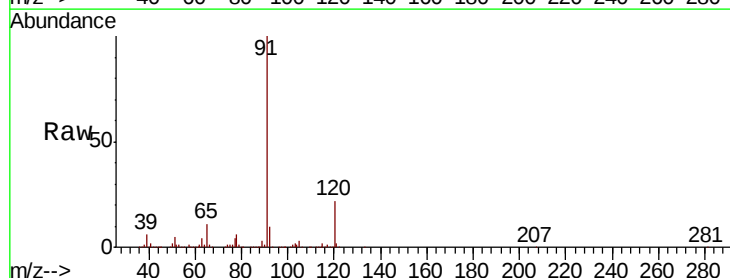
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

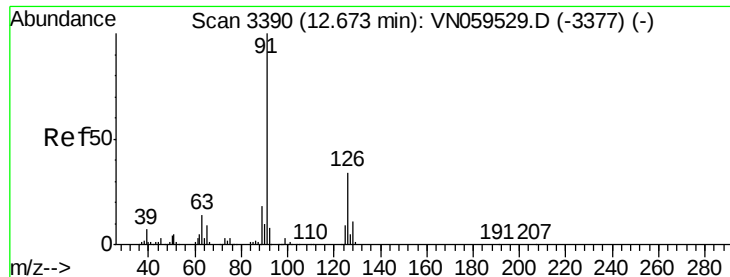
Tot Ion:156 Resp: 181727
Ion Ratio Lower Upper
156 100
77 234.1 109.3 327.8
158 98.5 48.6 145.8



#78
n-propylbenzene
Concen: 27.853 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion: 91 Resp: 939174
Ion Ratio Lower Upper
91 100
120 22.2 11.4 34.1

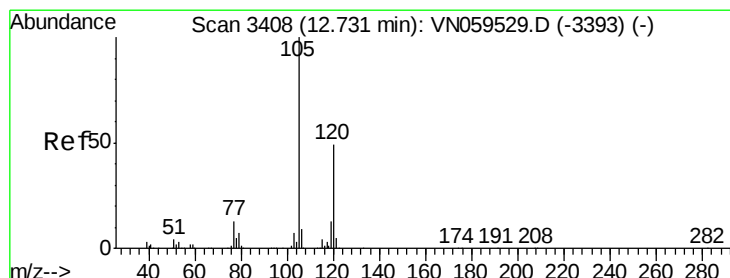
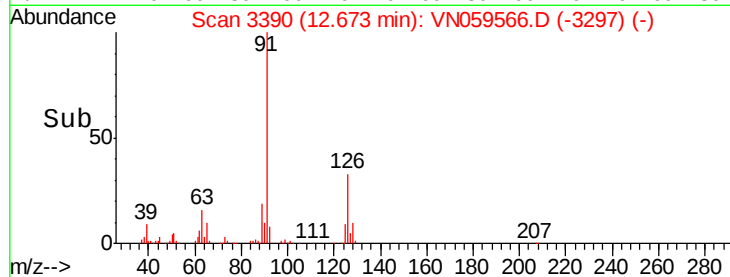
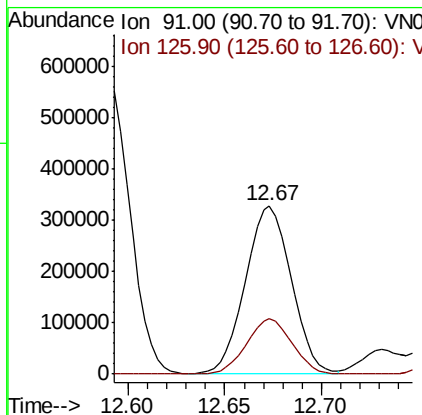
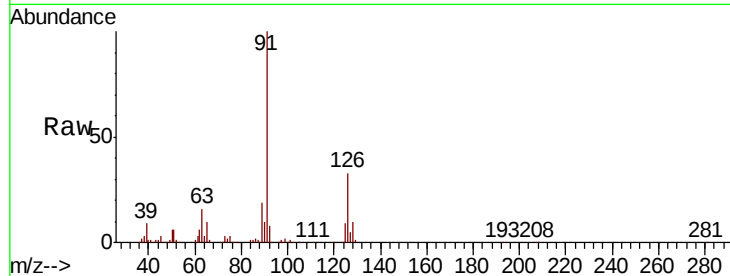




#79
 2-Chlorotoluene
 Concen: 27.014 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

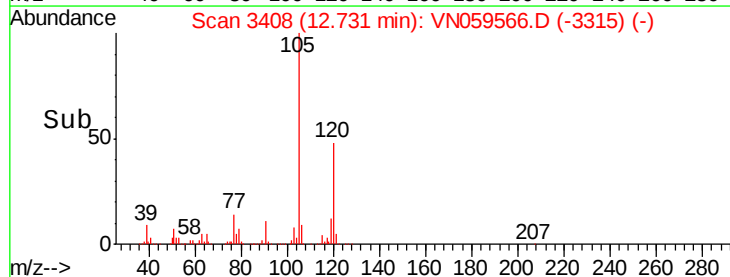
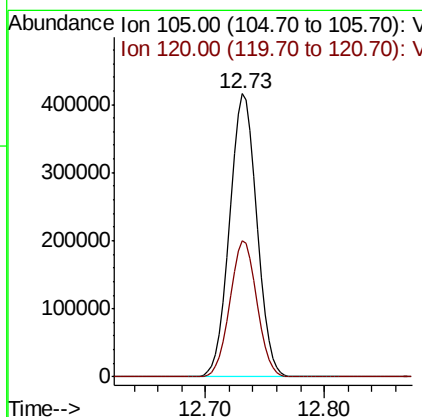
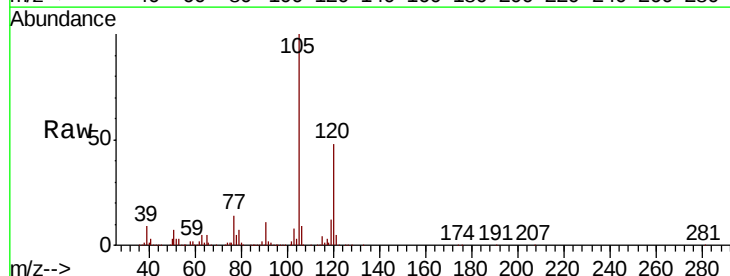
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

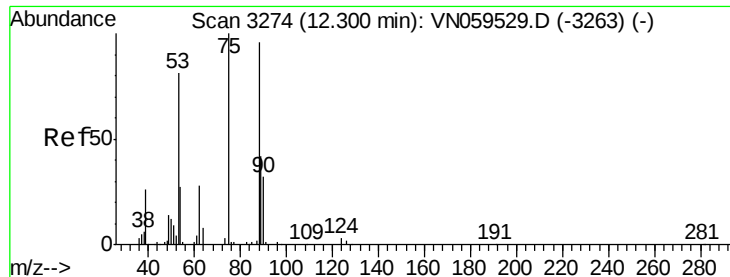
Tot Ion: 91 Resp: 543160
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 27.969 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion: 105 Resp: 658120
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 27.469 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

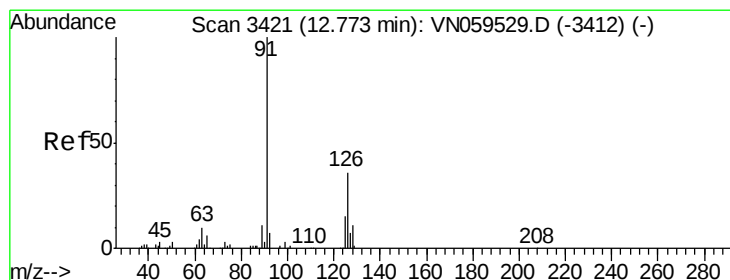
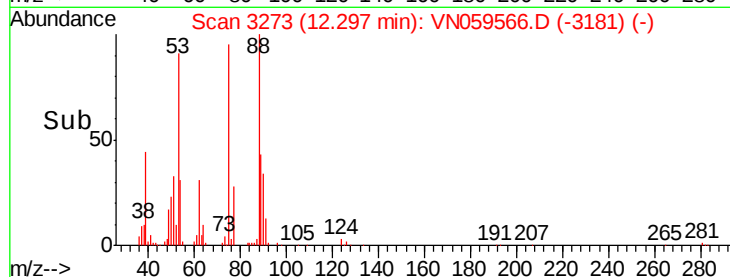
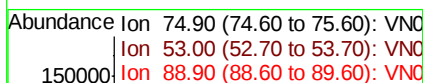
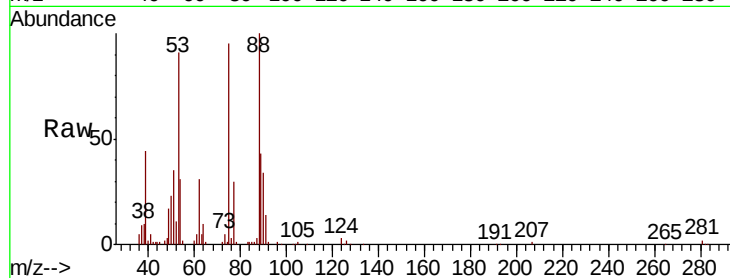
Tot Ion: 75 Resp: 95507

Ion Ratio Lower Upper

75 100

53 99.0 67.0 100.6

89 45.1 35.5 53.3



#82

4-Chlorotoluene

Concen: 27.640 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059566.D

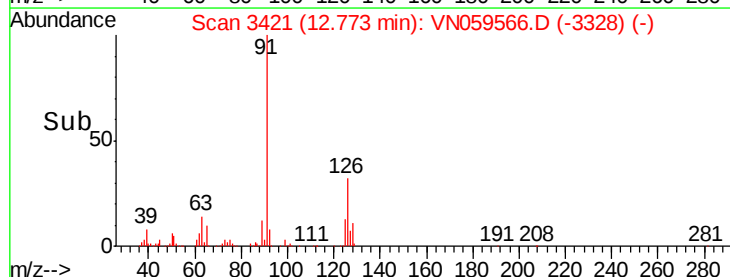
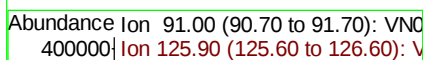
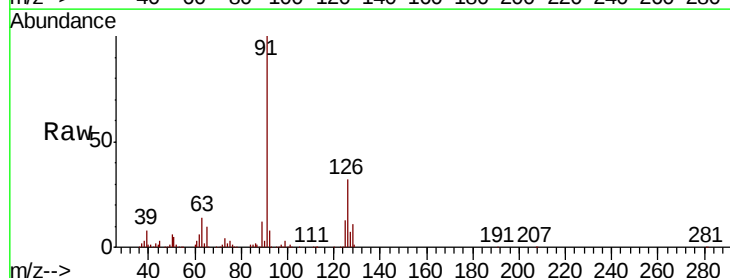
Acq: 11 Dec 2019 17:03

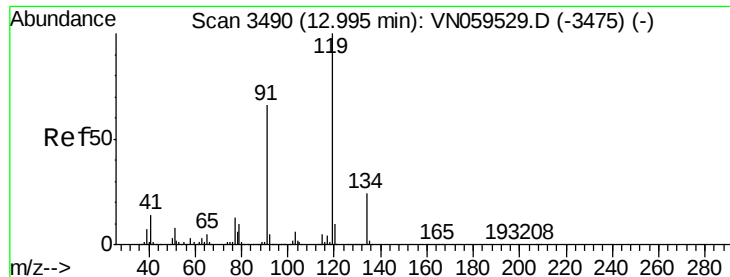
Tgt Ion: 91 Resp: 568259

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.4

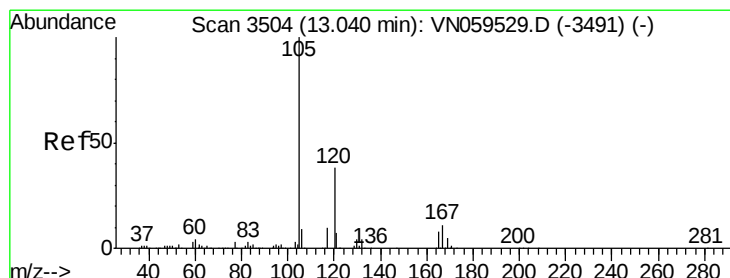
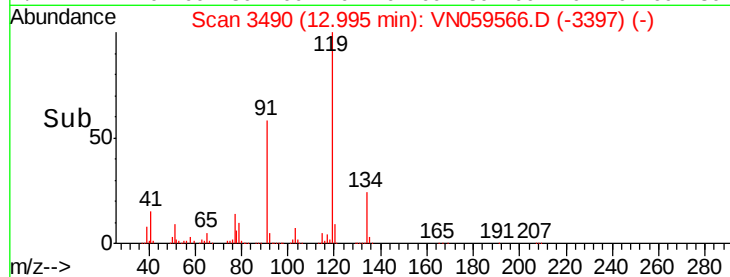
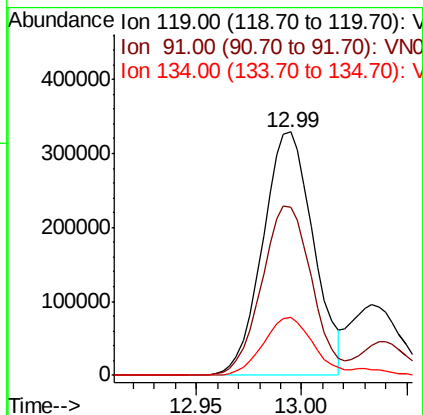
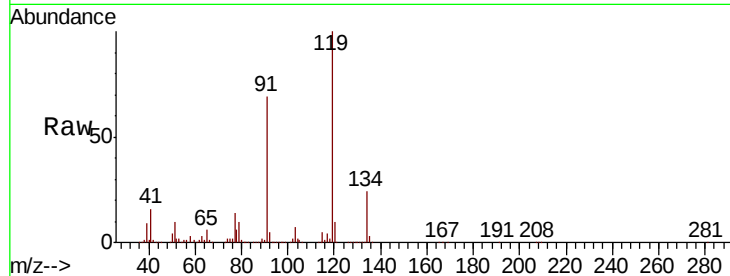




#83
 tert-Butylbenzene
 Concen: 27.967 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

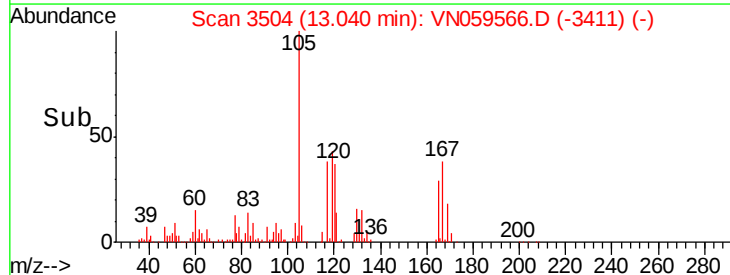
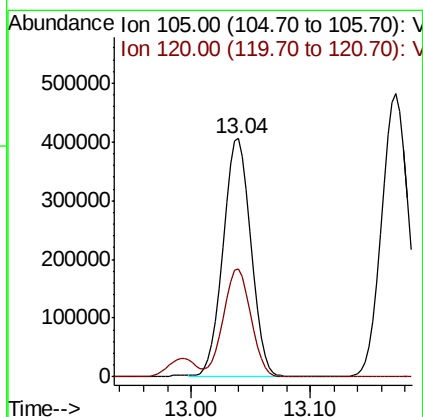
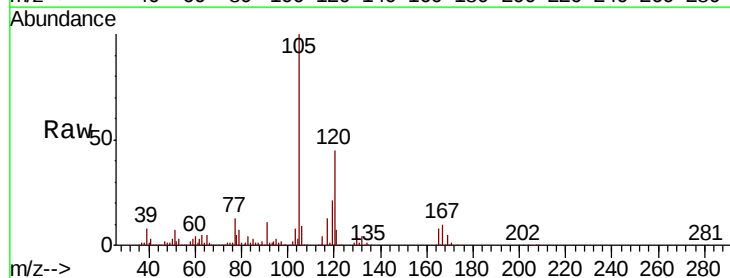
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

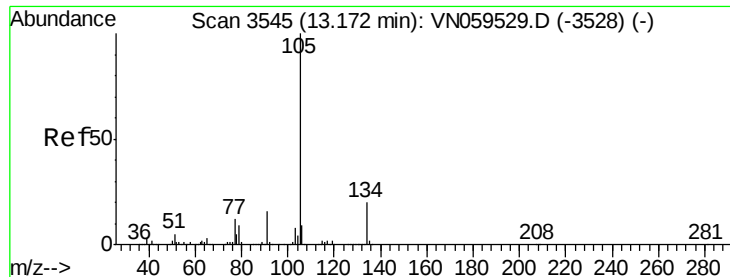
Tot Ion:119 Resp: 548761
 Ion Ratio Lower Upper
 119 100
 91 68.7 32.8 98.4
 134 23.7 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 28.235 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059566.D
 Acq: 11 Dec 2019 17:03

Tgt Ion:105 Resp: 656019
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 28.222 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

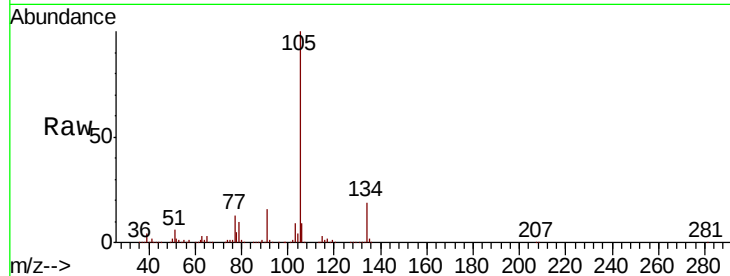
VSTDCCC050EC

Tot Ion:105 Resp: 760625

Ion Ratio Lower Upper

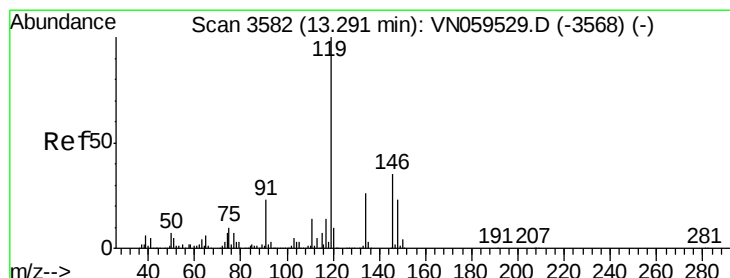
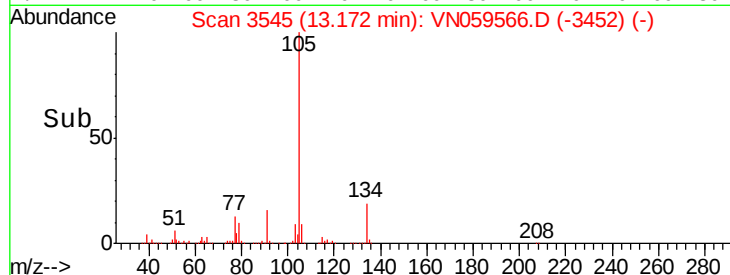
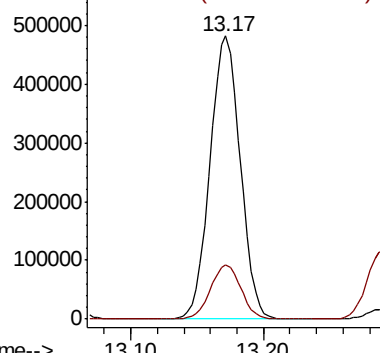
105 100

134 19.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 28.648 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

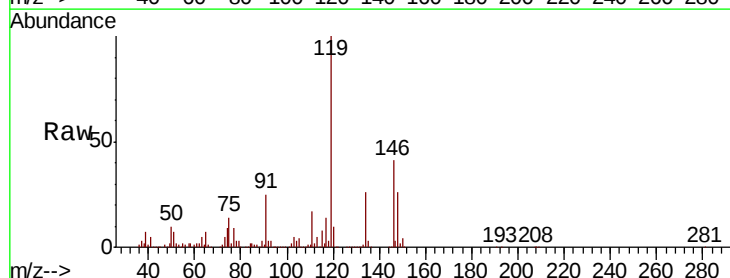
Tgt Ion:119 Resp: 690100

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

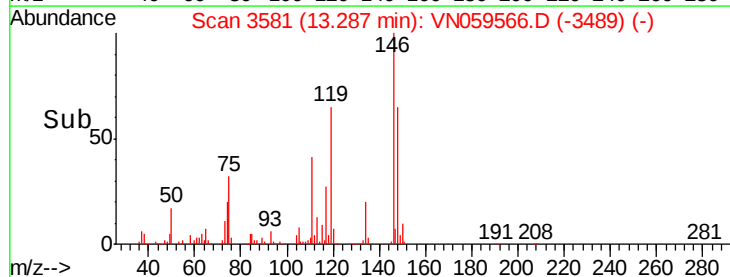
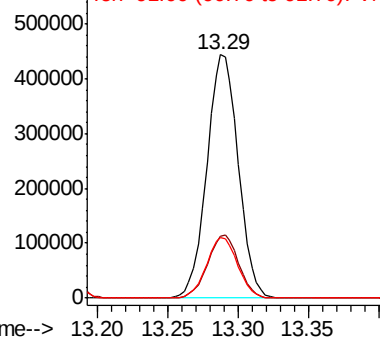
91 24.6 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 26.702 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

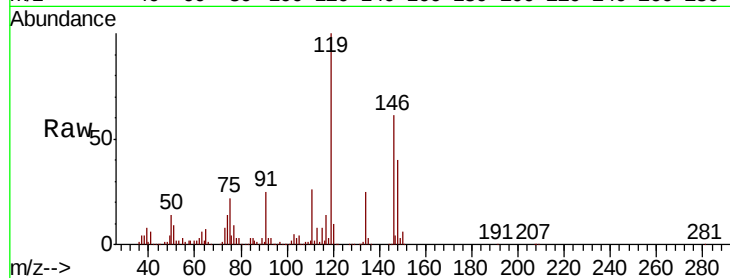
Tot Ion:146 Resp: 335973

Ion Ratio Lower Upper

146 100

111 42.0 20.6 61.8

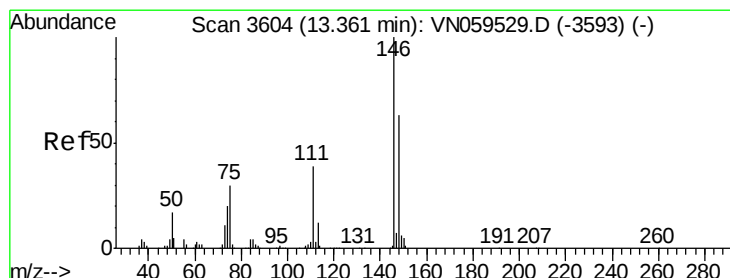
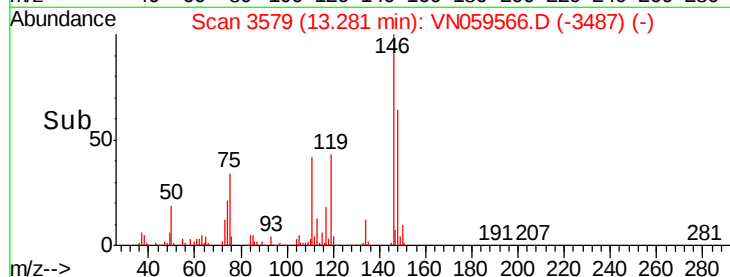
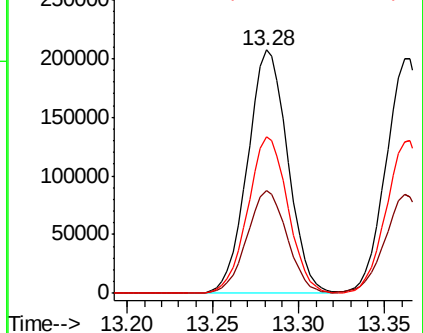
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 26.843 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

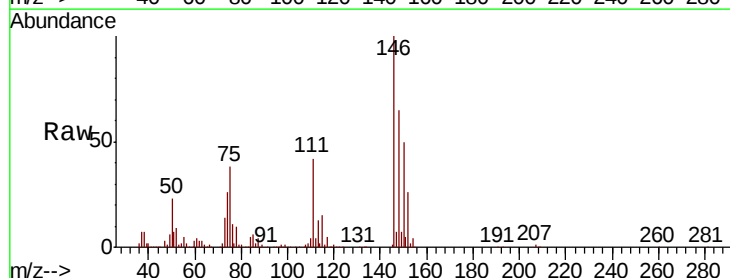
Tgt Ion:146 Resp: 330713

Ion Ratio Lower Upper

146 100

111 42.1 20.0 59.9

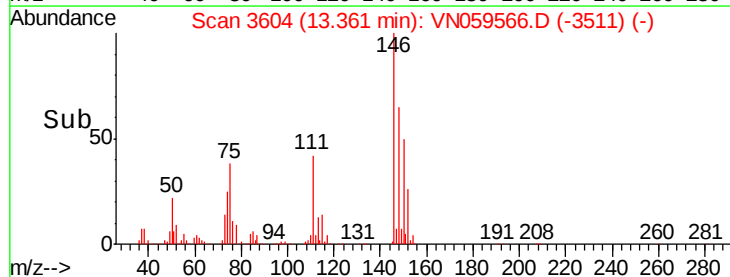
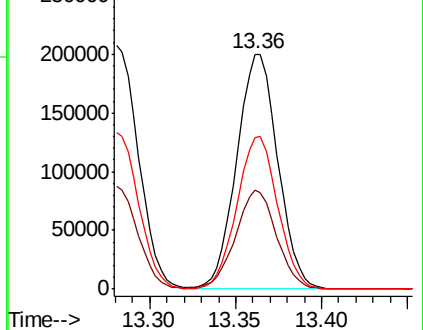
148 64.8 31.9 95.7

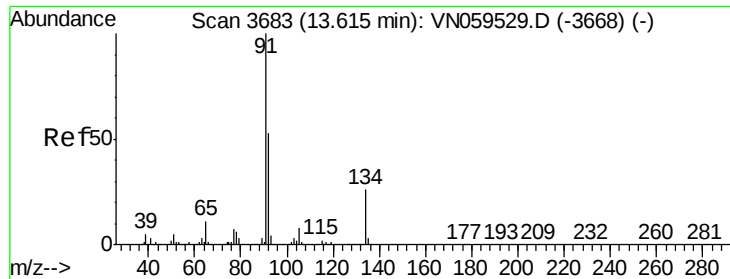


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 29.130 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

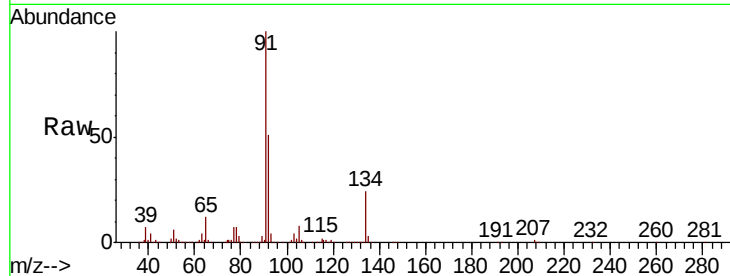
Tot Ion: 91 Resp: 658884

Ion Ratio Lower Upper

91 100

92 51.0 26.3 78.9

134 24.2 12.8 38.4

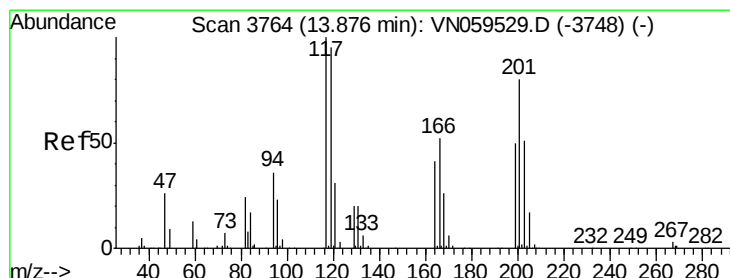
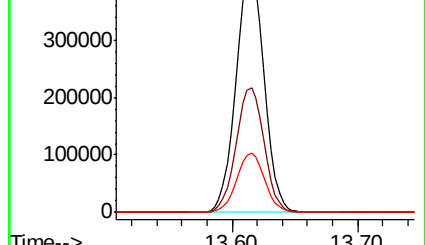
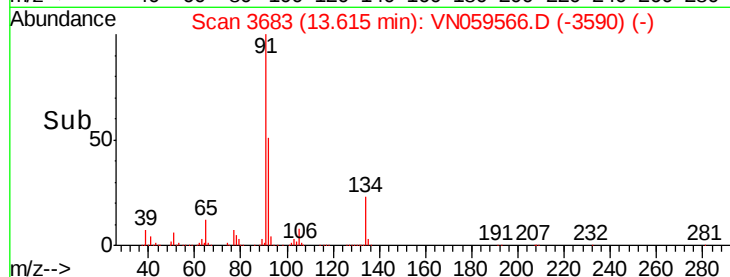


Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059529.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059529.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 29.246 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059566.D

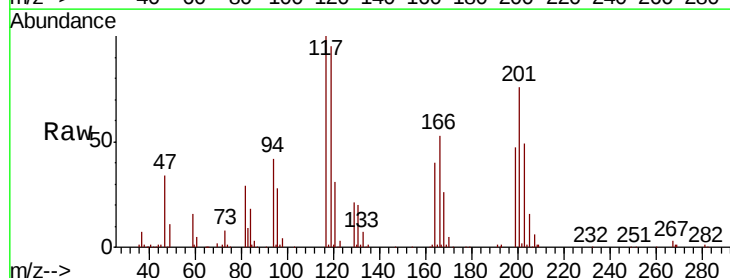
Acq: 11 Dec 2019 17:03

Tgt Ion: 117 Resp: 129381

Ion Ratio Lower Upper

117 100

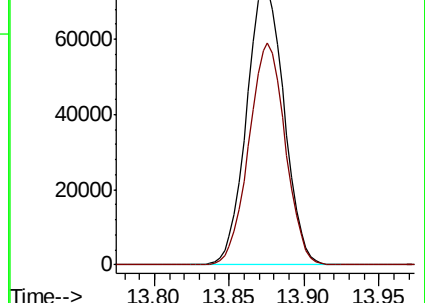
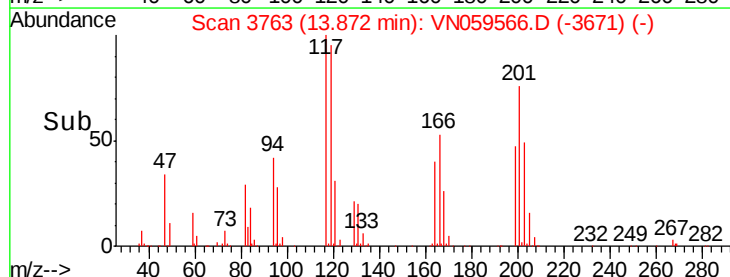
201 77.1 40.5 121.5

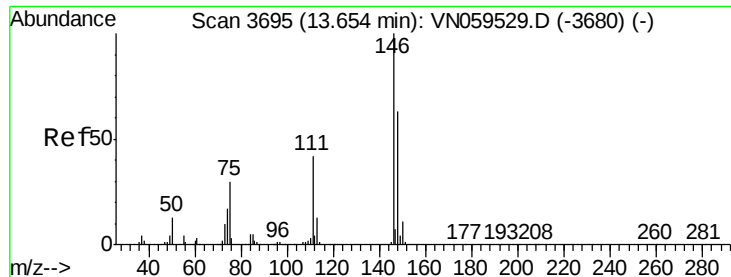


Abundance Ion 116.80 (116.50 to 117.50): VN059529.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059529.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 27.322 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

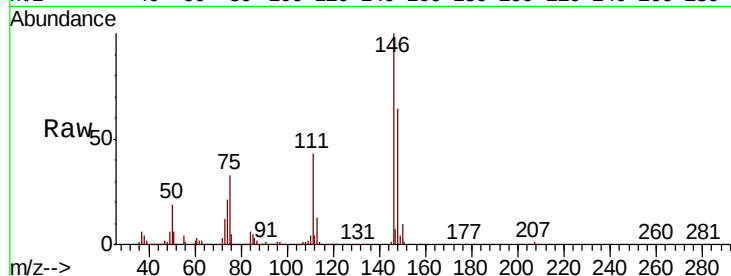
Tot Ion:146 Resp: 322612

Ion Ratio Lower Upper

146 100

111 43.2 20.9 62.7

148 64.2 31.6 94.8

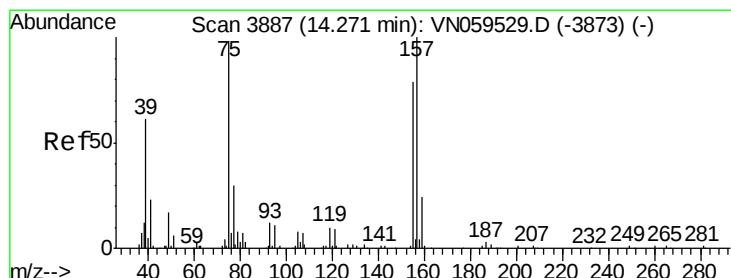
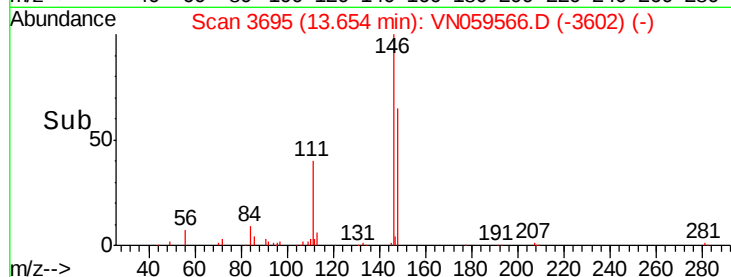
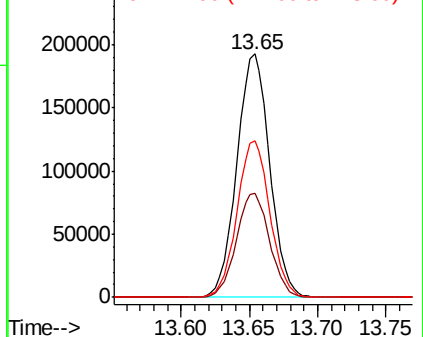


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.927 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

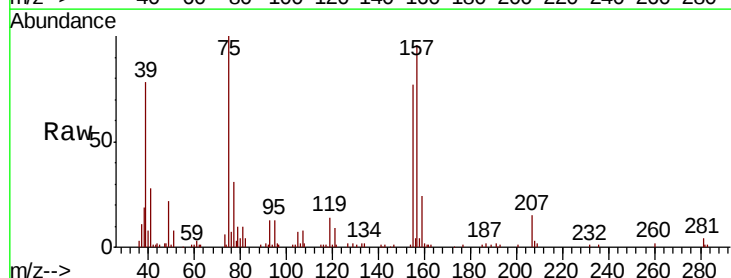
Tgt Ion: 75 Resp: 55275

Ion Ratio Lower Upper

75 100

155 75.9 40.4 121.1

157 95.9 51.1 153.3

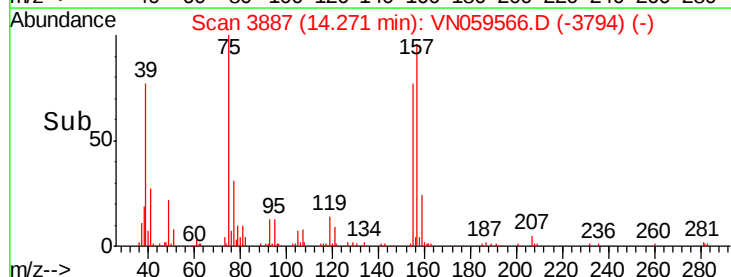
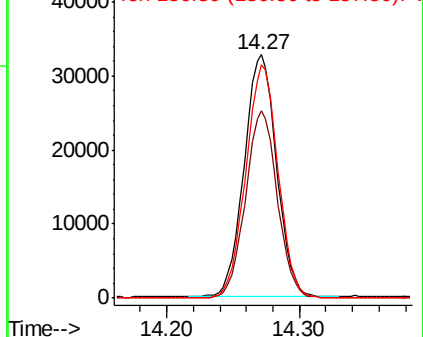


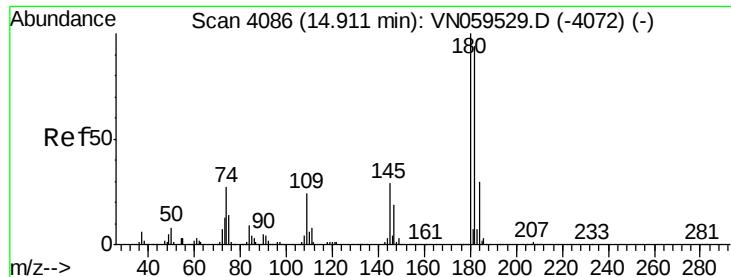
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

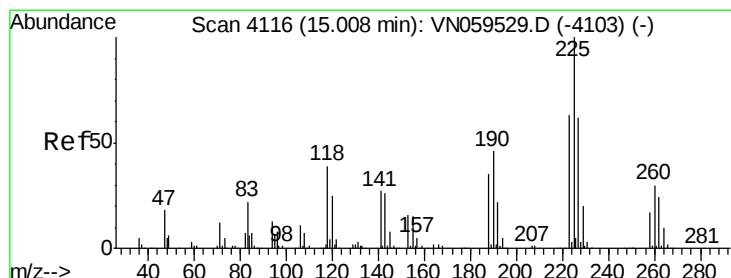
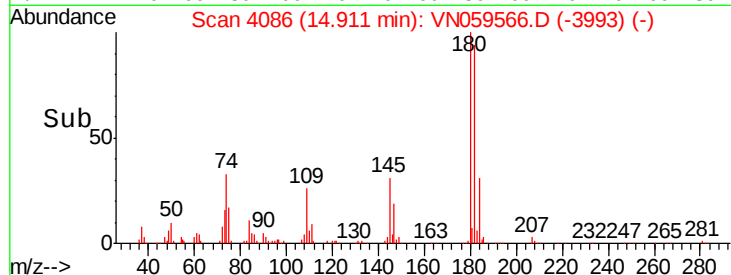
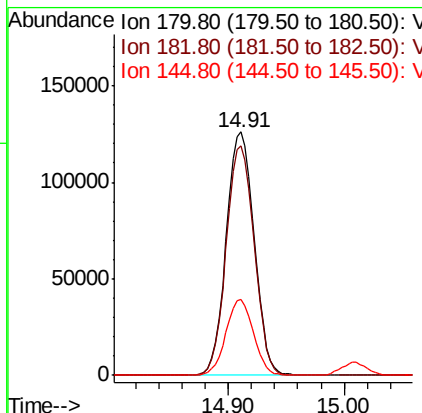
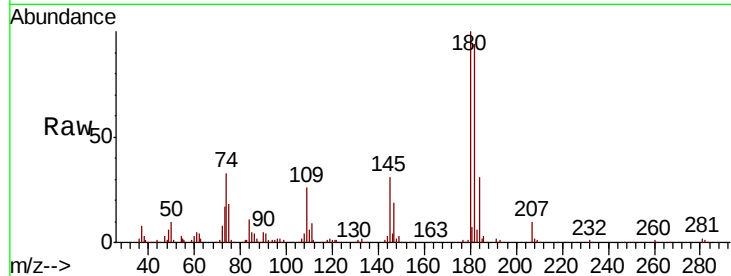




#93
1,2,4-Trichlorobenzene
Concen: 25.763 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

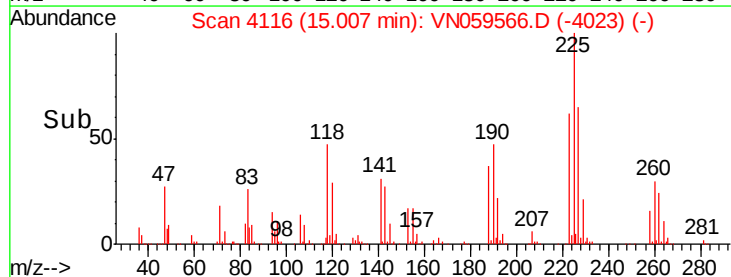
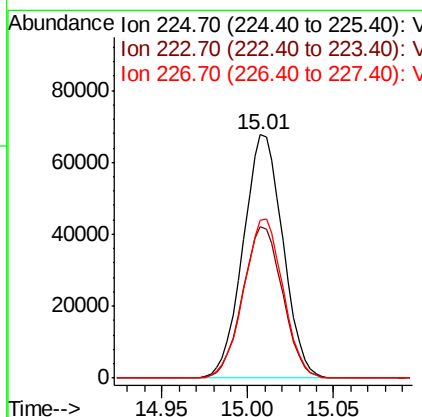
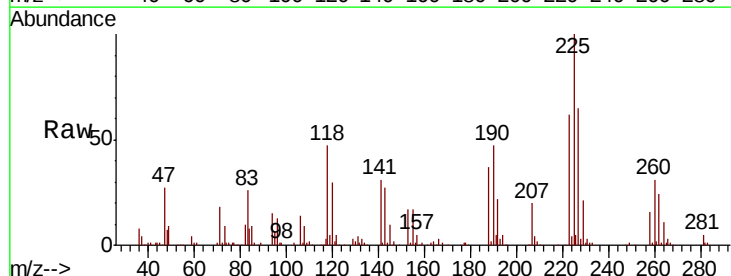
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

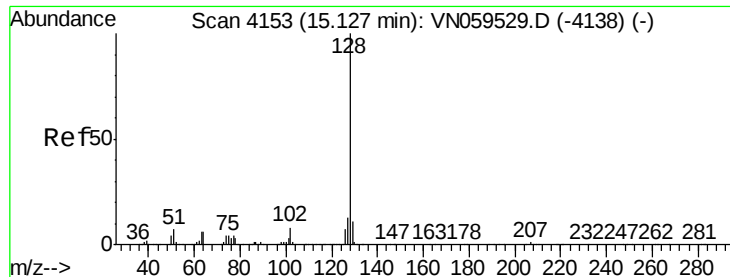
Tot Ion:180 Resp: 210400
Ion Ratio Lower Upper
180 100
182 94.5 47.3 142.0
145 30.7 14.9 44.7



#94
Hexachlorobutadiene
Concen: 25.994 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN059566.D
Acq: 11 Dec 2019 17:03

Tgt Ion:225 Resp: 108456
Ion Ratio Lower Upper
225 100
223 62.5 31.3 93.9
227 64.7 31.6 95.0





#95

Naphthalene

Concen: 25.502 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

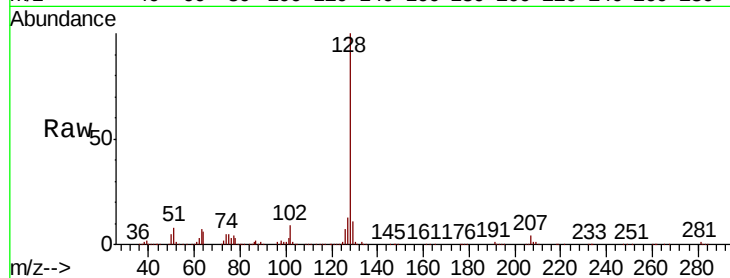
Tot Ion:128 Resp: 608800

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

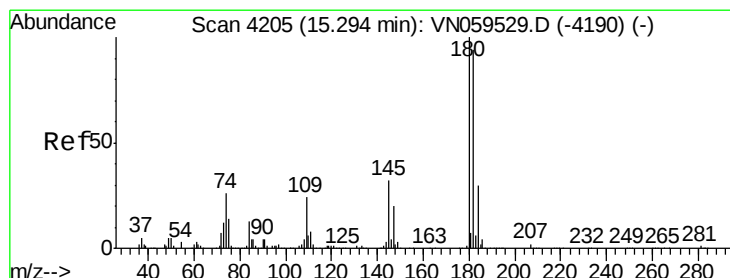
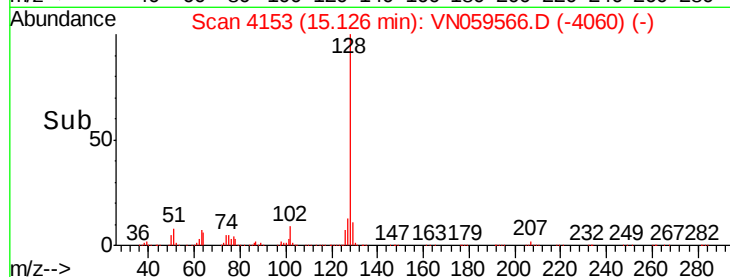
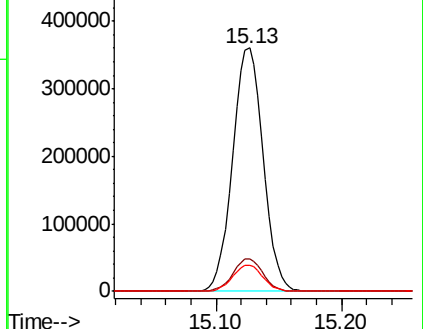
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 26.582 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059566.D

Acq: 11 Dec 2019 17:03

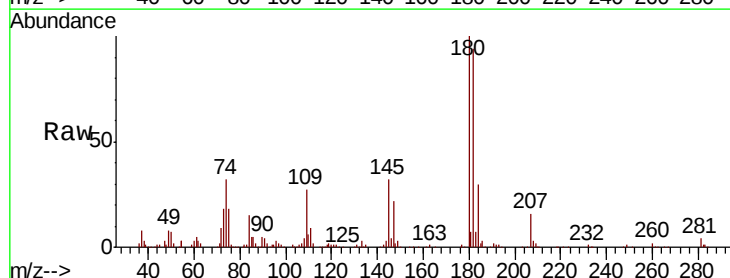
Tgt Ion:180 Resp: 202027

Ion Ratio Lower Upper

180 100

182 94.7 47.1 141.4

145 32.6 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

