

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
 Data File : VN059083.D
 Acq On : 5 Nov 2019 10:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 06 00:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	466429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	724330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	662751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315525	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	288105	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
35) Dibromofluoromethane	7.56	113	225713	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.08	98	884275	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	321518	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	246154	48.811	ug/l	99
3) Chloromethane	2.04	50	322872	47.217	ug/l	99
4) Vinyl Chloride	2.17	62	326601	49.205	ug/l	97
5) Bromomethane	2.54	94	190248	48.481	ug/l	100
6) Chloroethane	2.68	64	195690	48.140	ug/l	99
7) Trichlorofluoromethane	3.00	101	400931	50.833	ug/l	99
8) Diethyl Ether	3.39	74	155880	50.608	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	230769	49.639	ug/l	99
10) Methyl Iodide	3.93	142	297017	52.565	ug/l	99
11) Tert butyl alcohol	4.75	59	258190	225.834	ug/l	99
12) 1,1-Dichloroethene	3.71	96	225294	48.729	ug/l	96
13) Acrolein	3.58	56	171414	237.612	ug/l	98
14) Allyl chloride	4.29	41	416197	45.429	ug/l	91
15) Acrylonitrile	4.95	53	739688	257.916	ug/l	100
16) Acetone	3.79	43	862484	275.790	ug/l	100
17) Carbon Disulfide	4.03	76	689198	46.888	ug/l	98
18) Methyl Acetate	4.29	43	373531	47.147	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	810817	51.490	ug/l	99
20) Methylene Chloride	4.52	84	266758	48.725	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	250679	50.505	ug/l	99
22) Diisopropyl ether	5.92	45	929621	53.272	ug/l	99
23) Vinyl Acetate	5.86	43	3848832	276.919	ug/l	99
24) 1,1-Dichloroethane	5.82	63	503138	50.431	ug/l	99
25) 2-Butanone	6.81	43	1100443	264.264	ug/l	100
26) 2,2-Dichloropropane	6.80	77	433334	50.041	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	286971	51.347	ug/l	99
28) Bromochloromethane	7.17	49	154983	50.334	ug/l	99
29) Tetrahydrofuran	7.18	42	675232	256.935	ug/l	100
30) Chloroform	7.35	83	484493	50.784	ug/l	98
31) Cyclohexane	7.63	56	460994	48.444	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	411774	51.015	ug/l	99
36) 1,1-Dichloropropene	7.77	75	372644	51.763	ug/l	100
37) Ethyl Acetate	6.90	43	413374	51.680	ug/l	99
38) Carbon Tetrachloride	7.75	117	362837	51.716	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	439856	52.861	ug/l	98
40) Benzene	8.02	78	1114405	52.162	ug/l	100
41) Methacrylonitrile	7.18	41	588788	170.231	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	388544	52.366	ug/l	99
43) Isopropyl Acetate	8.14	43	653776	52.266	ug/l	99
44) Trichloroethene	8.82	130	270856	51.527	ug/l	97
45) 1,2-Dichloropropane	9.10	63	307891	53.288	ug/l	99
46) Dibromomethane	9.19	93	186897	52.337	ug/l	98
47) Bromodichloromethane	9.39	83	384841	53.213	ug/l	99
48) Methyl methacrylate	9.18	41	297637	52.185	ug/l	99
49) 1,4-Dioxane	9.18	88	94773	1018.668	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2048770	281.948	ug/l	99
52) Toluene	10.15	92	679688	54.296	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	441173	52.755	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	478491	54.246	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	268405	52.635	ug/l	98
56) Ethyl methacrylate	10.42	69	423360	48.978	ug/l	99
57) 1,3-Dichloropropane	10.70	76	470713	53.077	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	841442	250.694	ug/l	99
59) 2-Hexanone	10.74	43	1570143	284.429	ug/l	100
60) Dibromochloromethane	10.90	129	289856	52.743	ug/l	99
61) 1,2-Dibromoethane	11.00	107	274760	53.186	ug/l	98
64) Tetrachloroethene	10.63	164	244473	52.806	ug/l	100
65) Chlorobenzene	11.43	112	708100	52.057	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	265176	52.988	ug/l	100
67) Ethyl Benzene	11.51	91	1303536	55.359	ug/l	99
68) m/p-Xylenes	11.62	106	971714	110.513	ug/l	99
69) o-Xylene	11.95	106	462414	55.074	ug/l	98
70) Styrene	11.96	104	770337	56.617	ug/l	100
71) Bromoform	12.13	173	211333	54.557	ug/l #	97
73) Isopropylbenzene	12.25	105	1250599	53.877	ug/l	100
74) N-amyl acetate	12.07	43	543164	52.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	409325	49.503	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	550322	73.705	ug/l #	100
77) Bromobenzene	12.53	156	296120	51.020	ug/l	99
78) n-propylbenzene	12.59	91	1468259	54.614	ug/l	99
79) 2-Chlorotoluene	12.68	91	876278	52.492	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1066371	54.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147118	50.510	ug/l	96
82) 4-Chlorotoluene	12.78	91	893307	52.434	ug/l	99
83) tert-Butylbenzene	12.99	119	891018	53.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1060829	55.340	ug/l	99
85) sec-Butylbenzene	13.17	105	1207067	54.956	ug/l	100
86) p-Isopropyltoluene	13.29	119	1103081	55.706	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	532788	51.665	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	524367	51.405	ug/l	99
89) n-Butylbenzene	13.62	91	959973	55.636	ug/l	99
90) Hexachloroethane	13.88	117	200462	50.927	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	523119	50.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82292	46.075	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

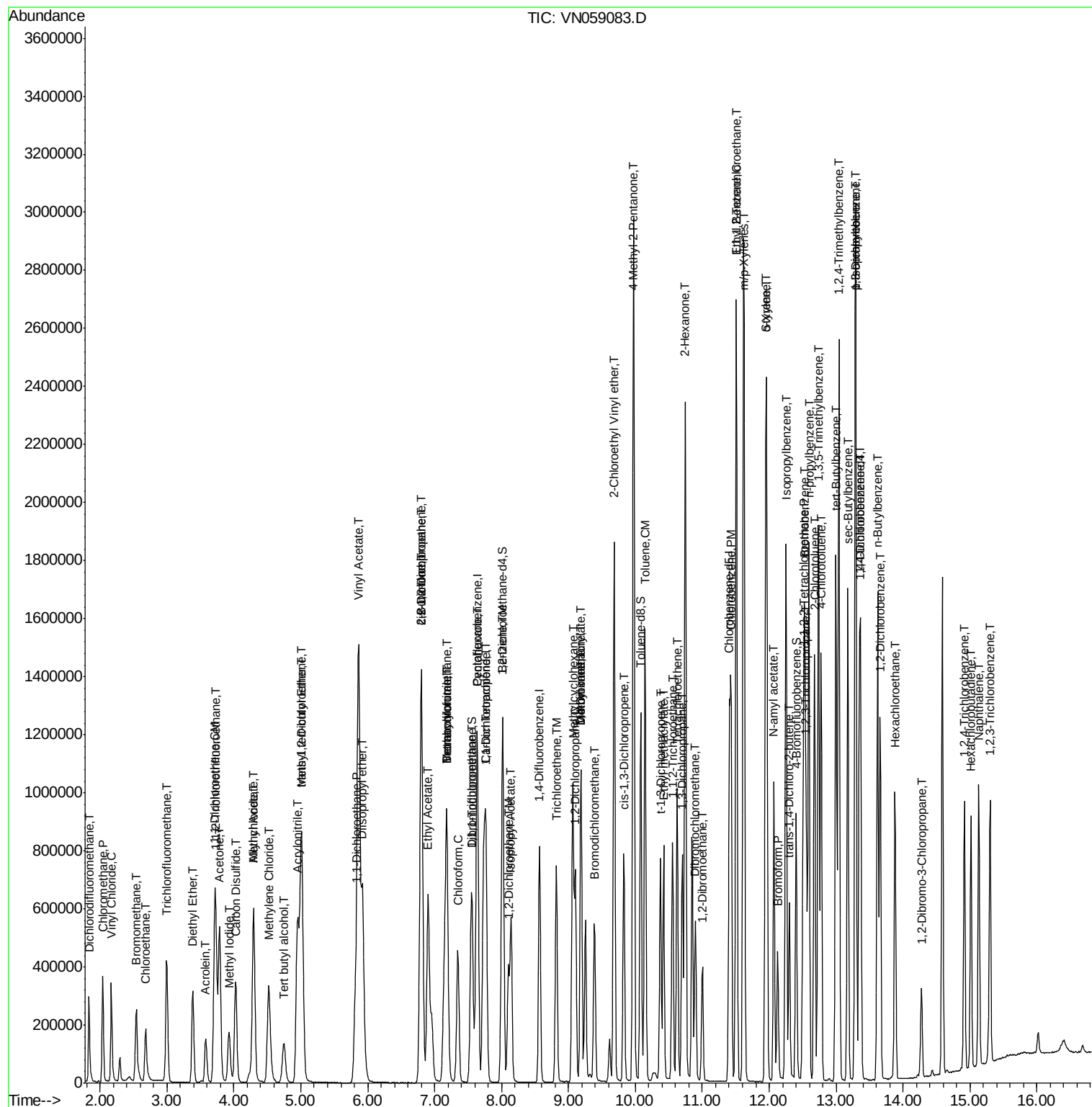
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293652	53.060	ug/l	99
94) Hexachlorobutadiene	15.01	225	168430	50.708	ug/l	99
95) Naphthalene	15.13	128	786917	45.879	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	287817	51.099	ug/l	100

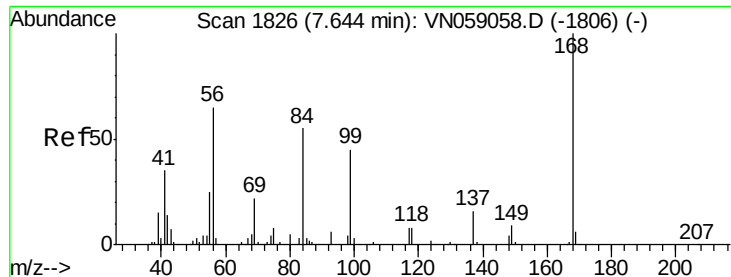
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110519\
Data File : VN059083.D
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

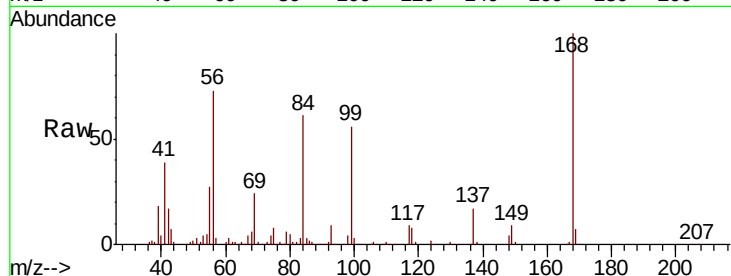
VSTDCCC050

Tot Ion:168 Resp: 466429

Ion Ratio Lower Upper

168 100

99 56.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN059058.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059058.D (-1806) (-)

7.64

200000

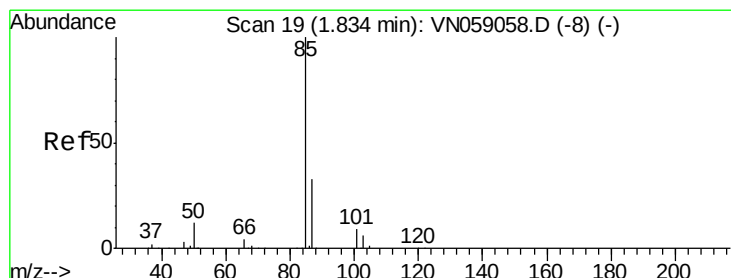
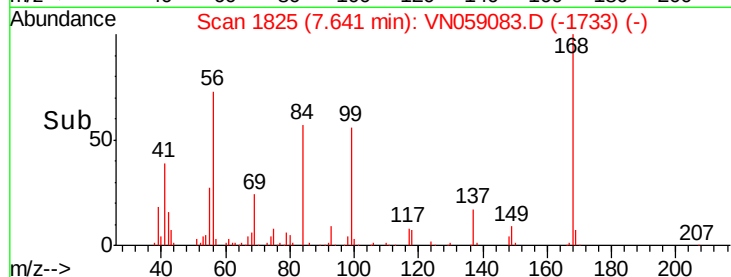
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.811 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059083.D

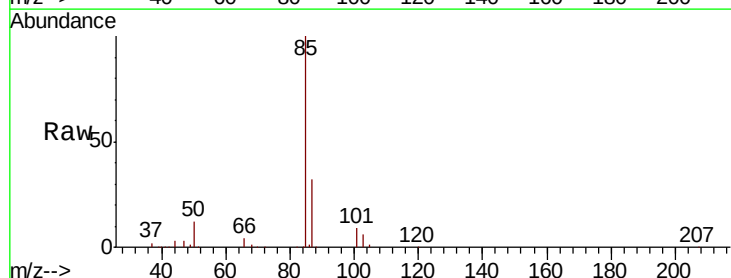
Acq: 5 Nov 2019 10:17

Tgt Ion: 85 Resp: 246154

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN059058.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059058.D (-8) (-)

1.83

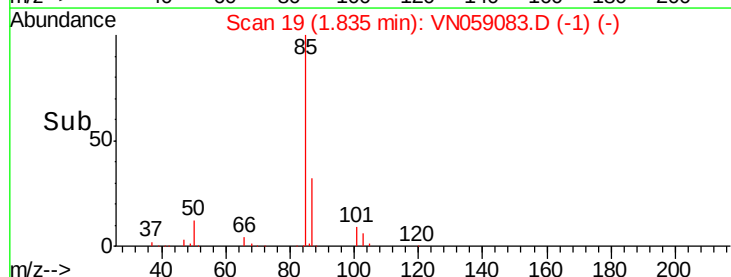
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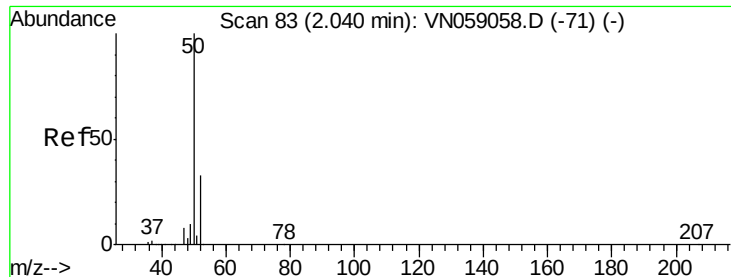
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.217 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

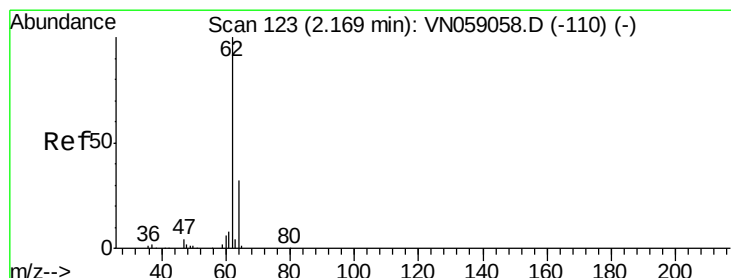
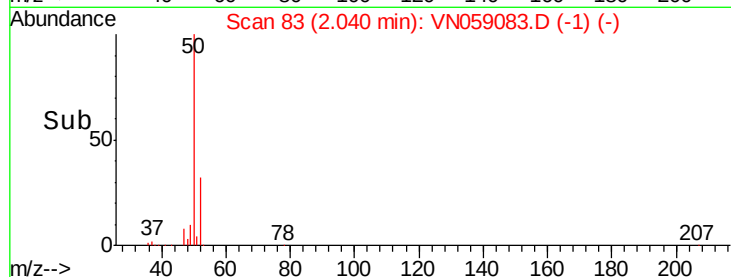
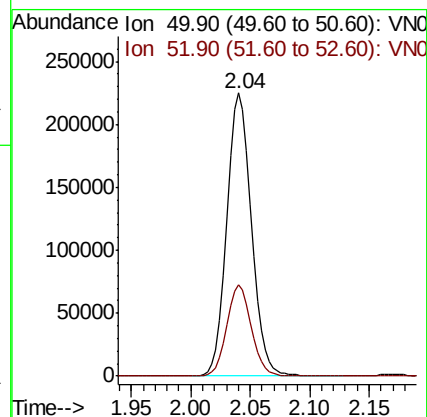
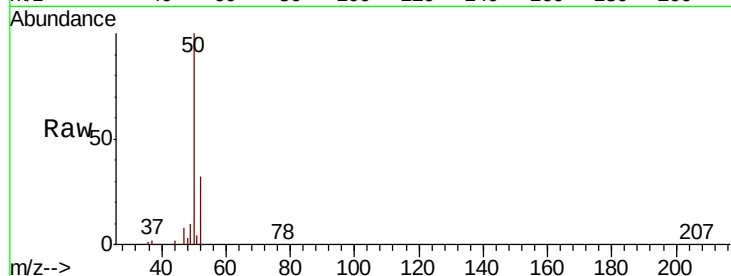
VSTDCCC050

Tot Ion: 50 Resp: 322872

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 49.205 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059083.D

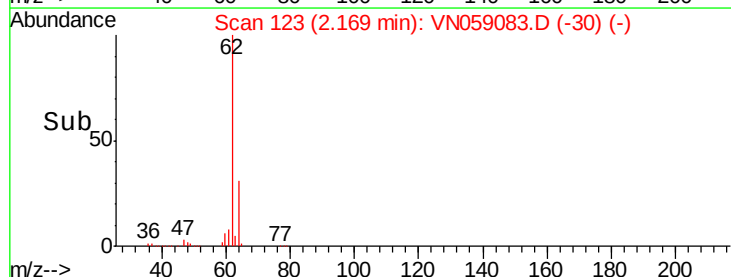
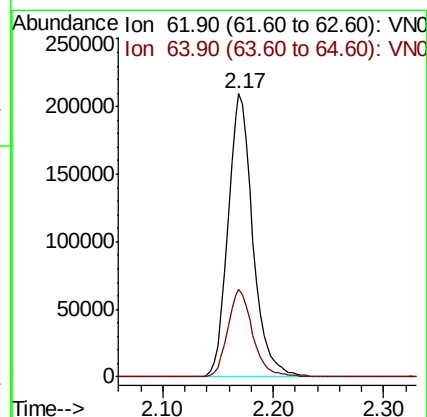
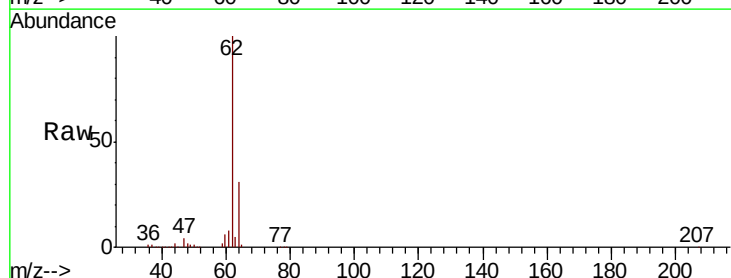
Acq: 5 Nov 2019 10:17

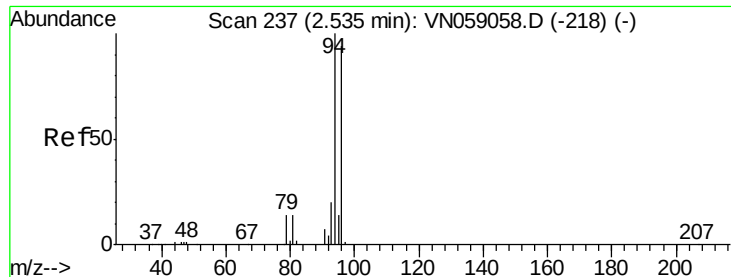
Tgt Ion: 62 Resp: 326601

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8

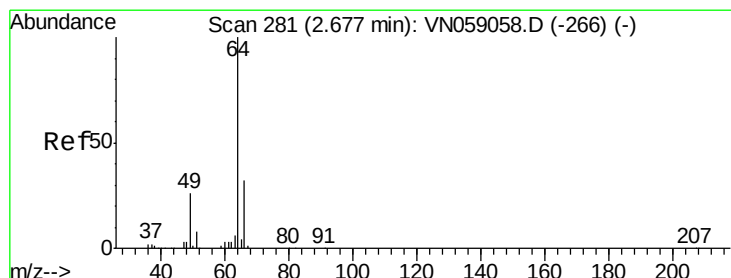
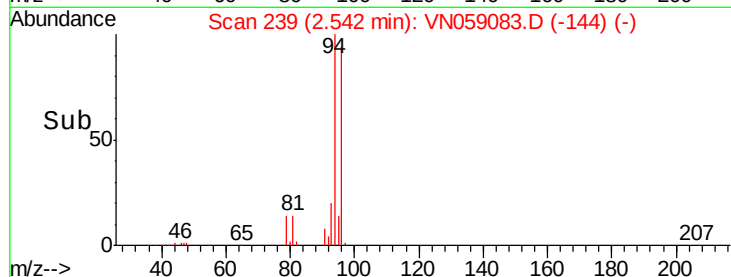
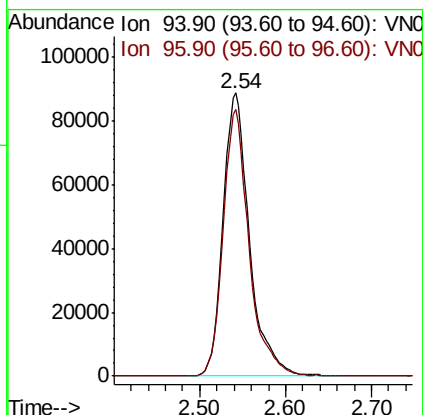
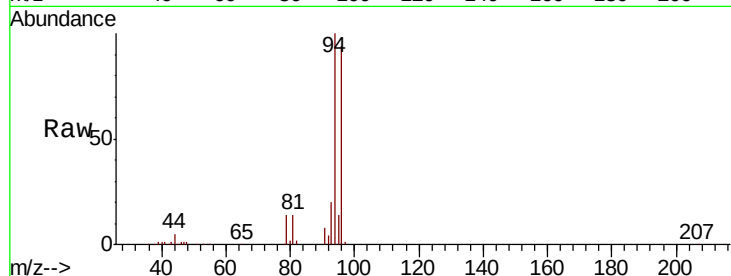




#5
Bromomethane
Concen: 48.481 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

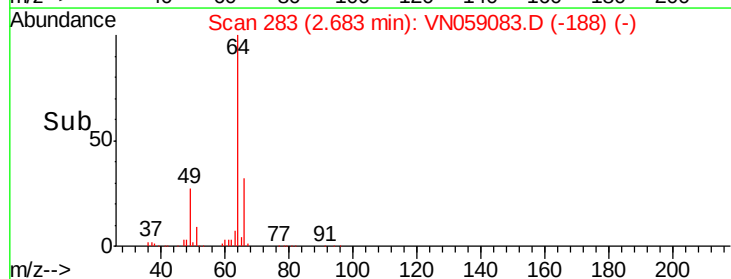
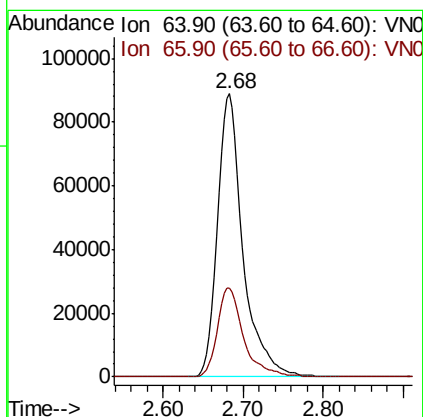
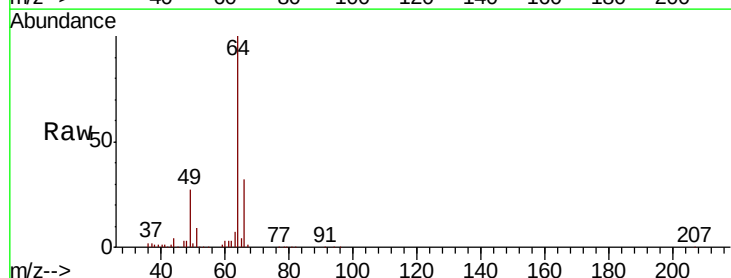
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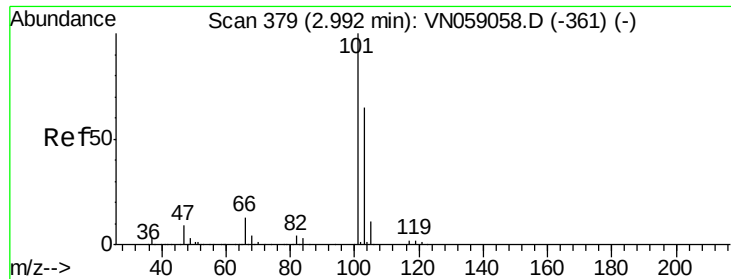
Tot Ion: 94 Resp: 190248
Ion Ratio Lower Upper
94 100
96 94.3 75.1 112.7



#6
Chloroethane
Concen: 48.140 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 64 Resp: 195690
Ion Ratio Lower Upper
64 100
66 31.5 25.6 38.4



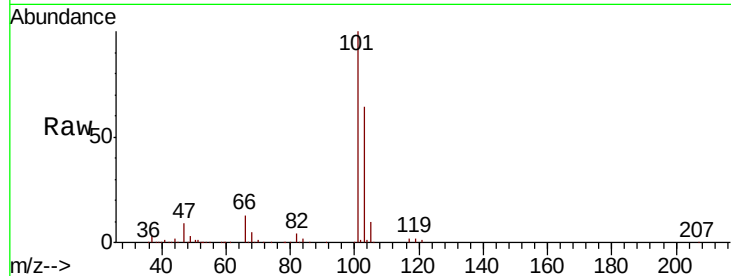


#7

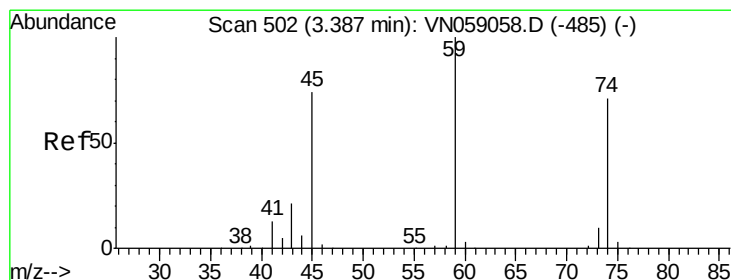
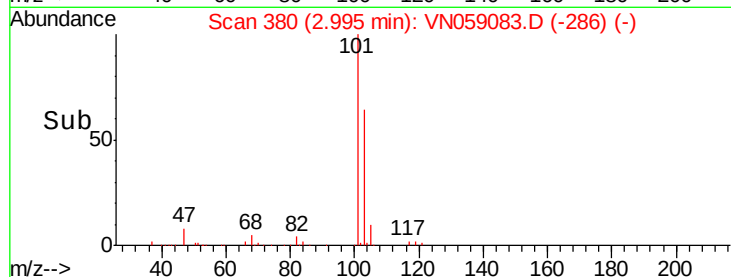
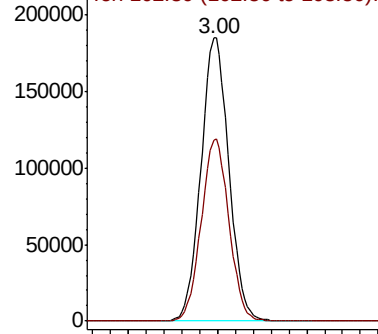
Trichlorofluoromethane
Concen: 50.833 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 400931
Ion Ratio Lower Upper
101 100
103 63.7 51.7 77.5



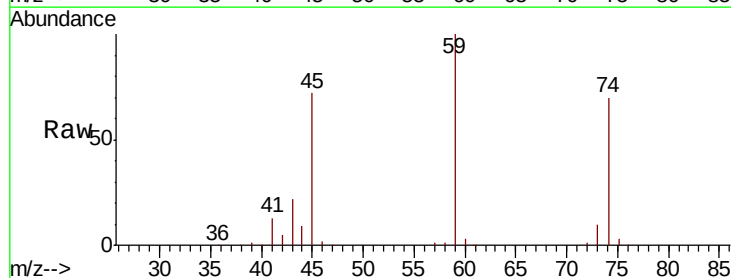
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



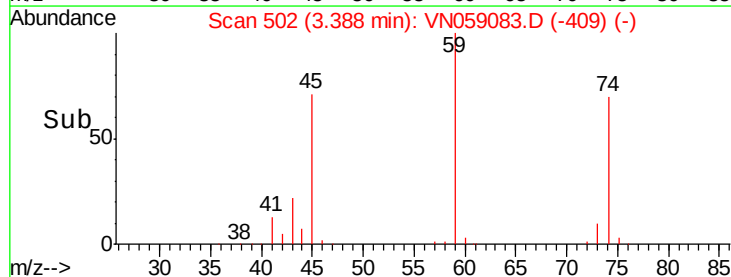
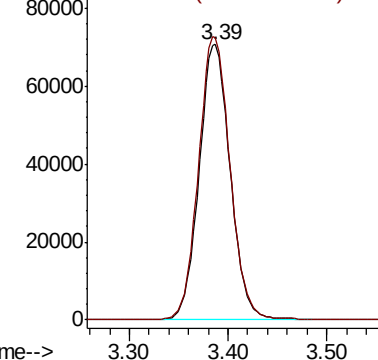
#8

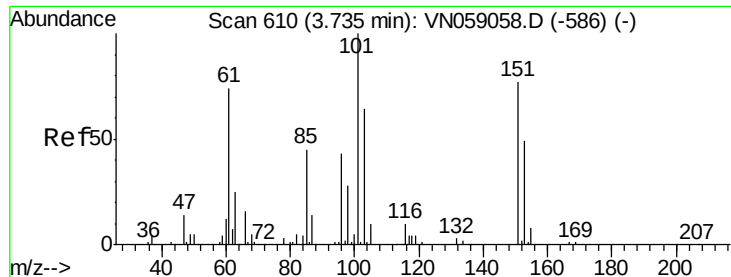
Diethyl Ether
Concen: 50.608 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 74 Resp: 155880
Ion Ratio Lower Upper
74 100
45 104.2 52.8 158.3



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.639 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

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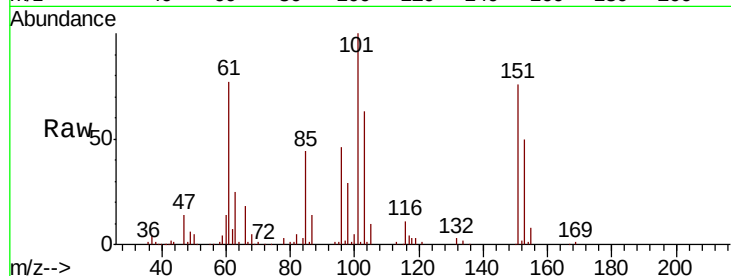
Tot Ion:101 Resp: 230769

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.6

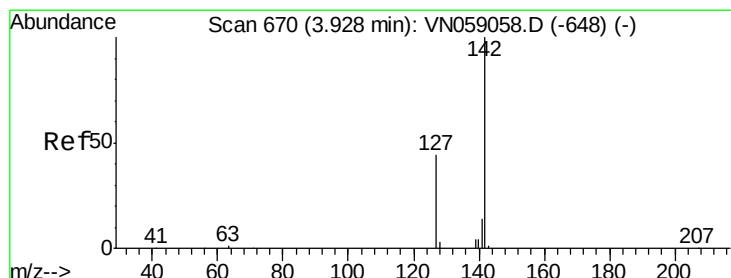
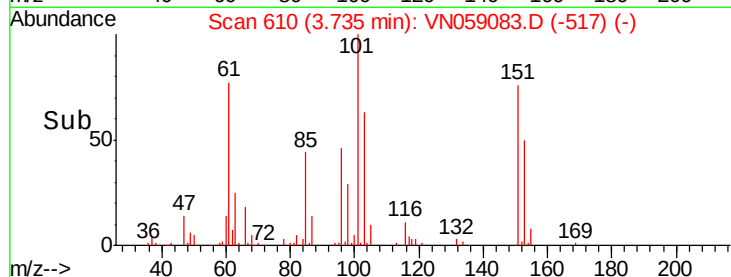
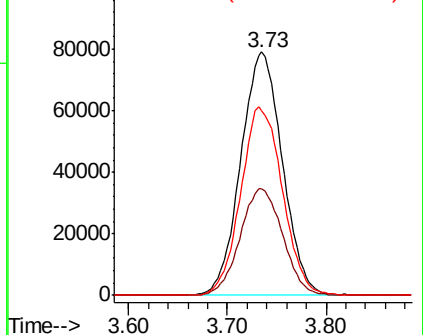
151 77.8 61.3 91.9



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: 52.565 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

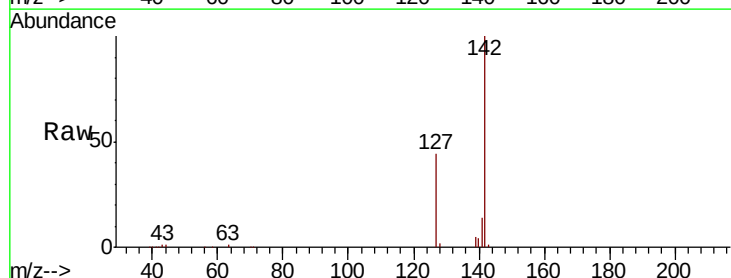
Tgt Ion:142 Resp: 297017

Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.2

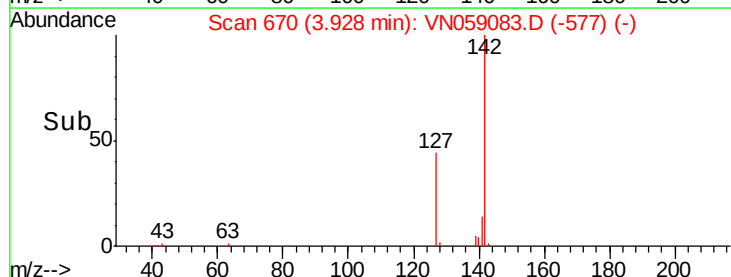
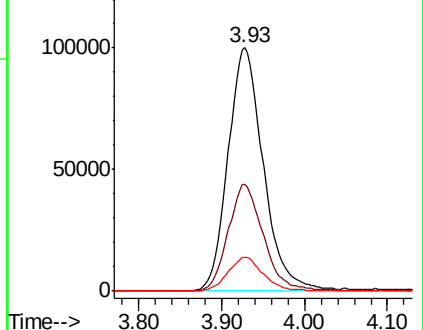
141 13.9 11.1 16.7

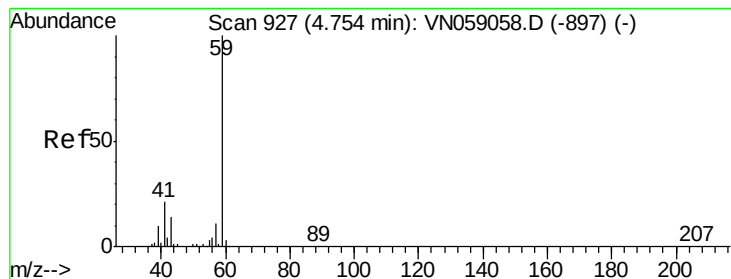


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



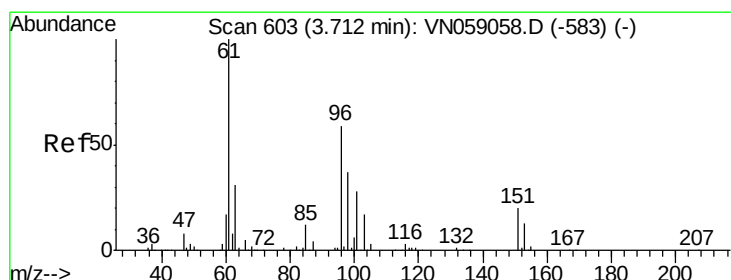
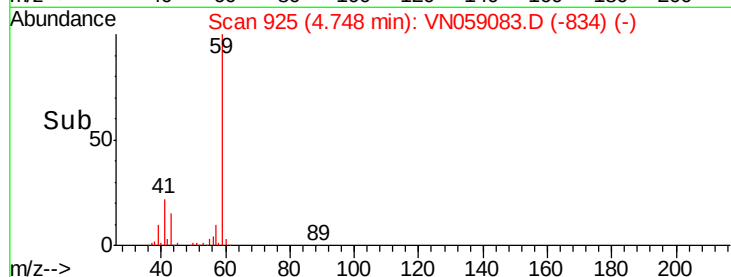
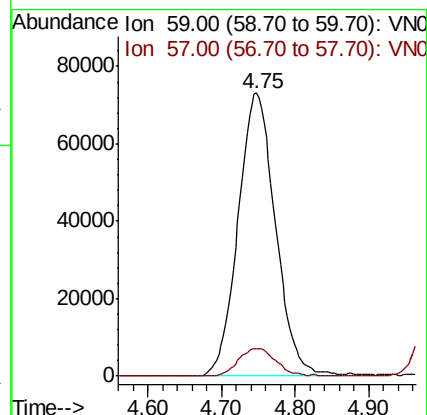
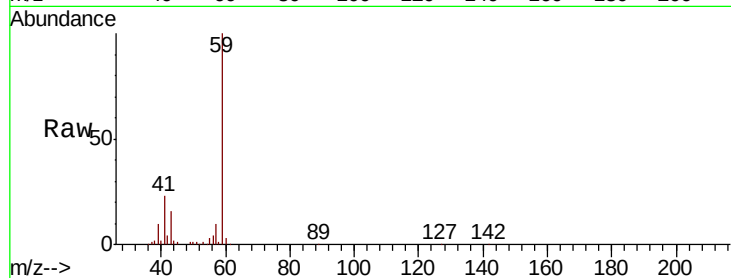


#11

Tert butyl alcohol
Concen: 225.834 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

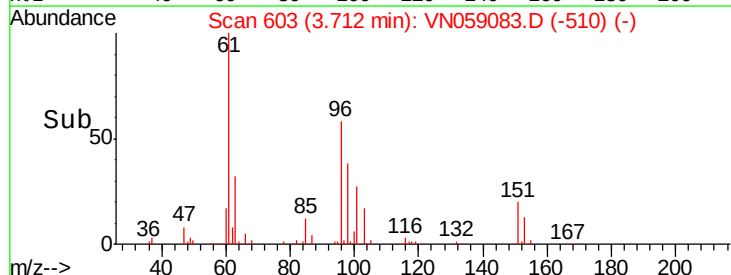
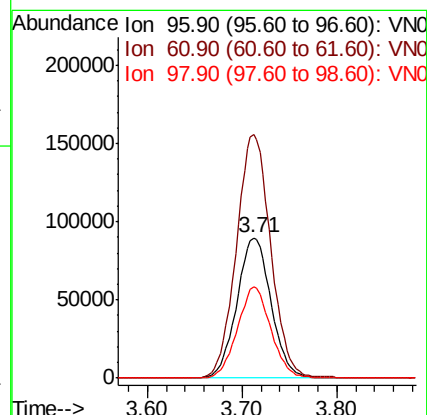
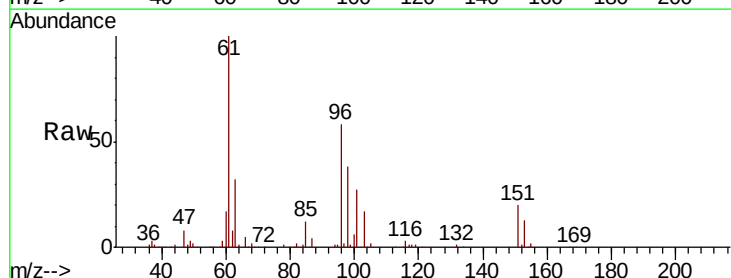
Tot Ion: 59 Resp: 258190
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4

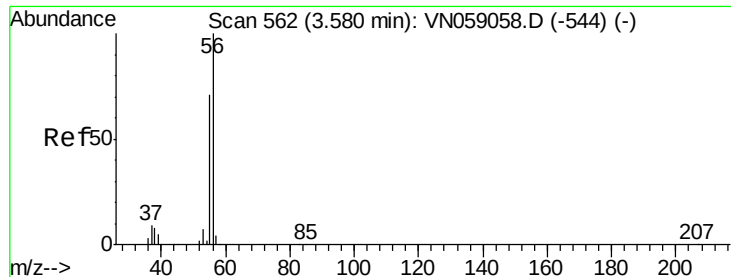


#12

1,1-Dichloroethene
Concen: 48.729 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 96 Resp: 225294
Ion Ratio Lower Upper
96 100
61 173.5 135.3 202.9
98 65.3 49.4 74.2





#13

Acrolein

Concen: 237.612 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

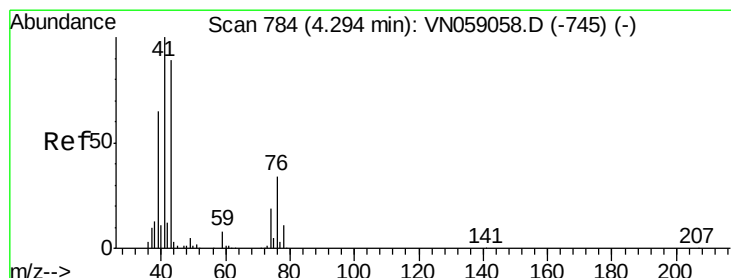
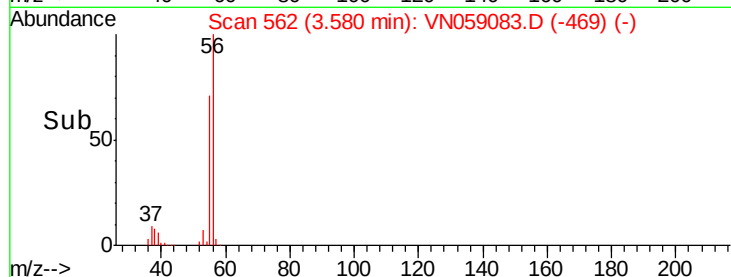
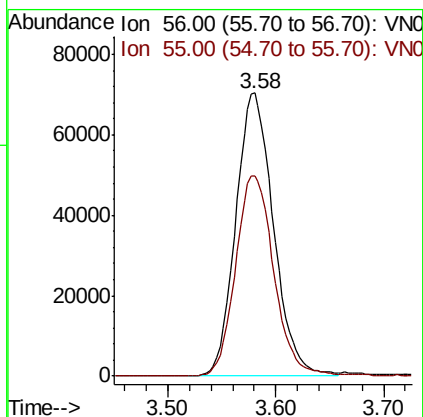
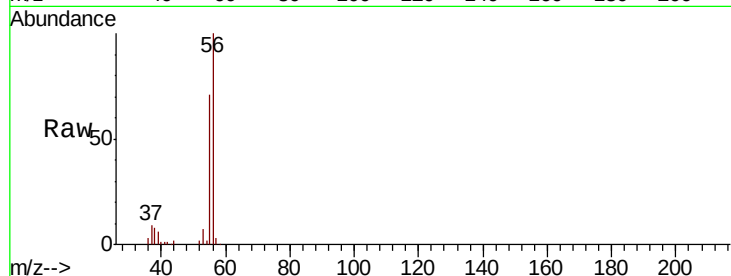
VSTDCCC050

Tot Ion: 56 Resp: 171414

Ion Ratio Lower Upper

56 100

55 71.8 56.1 84.1



#14

Allyl chloride

Concen: 45.429 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

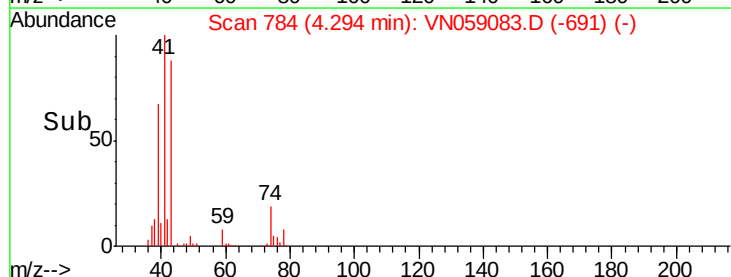
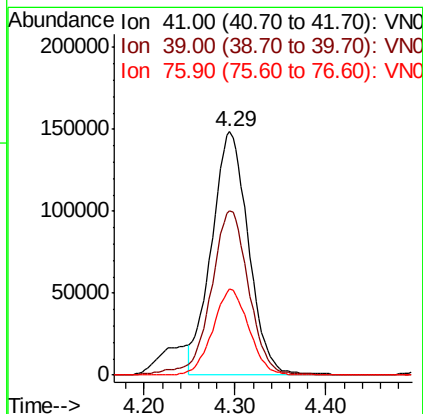
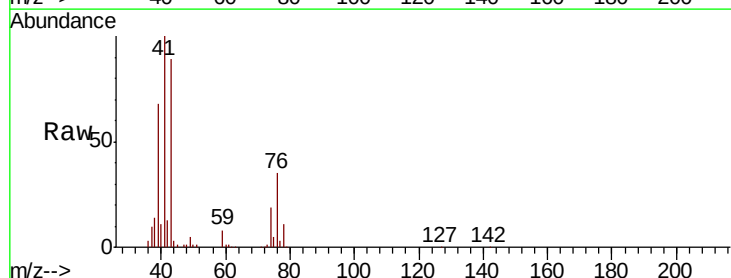
Tgt Ion: 41 Resp: 416197

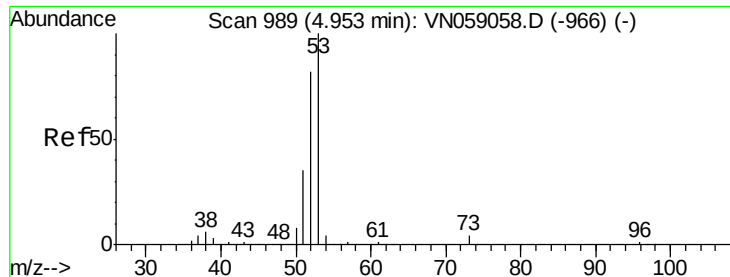
Ion Ratio Lower Upper

41 100

39 69.8 49.4 74.2

76 34.7 24.6 37.0





#15

Acrylonitrile

Concen: 257.916 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

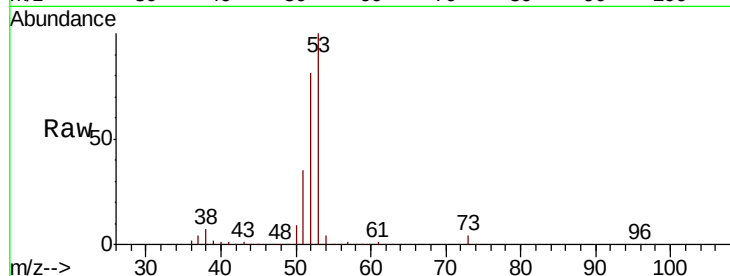
Tot Ion: 53 Resp: 739688

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

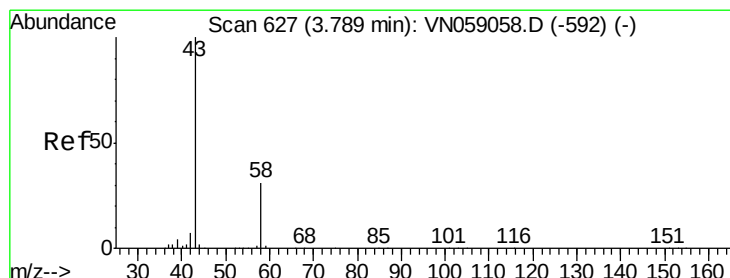
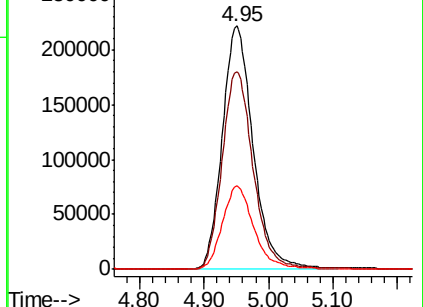
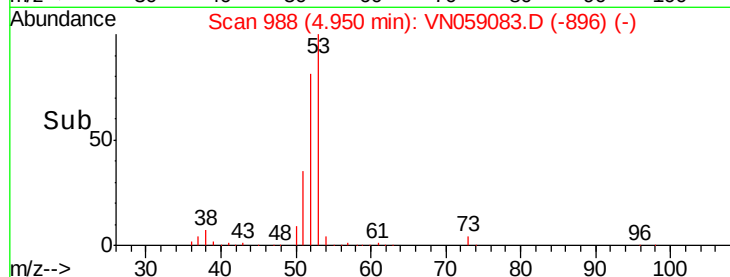
51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN059058.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059058.D (-966) (-)



#16

Acetone

Concen: 275.790 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059083.D

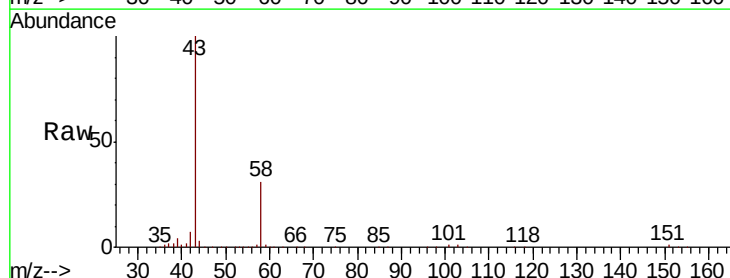
Acq: 5 Nov 2019 10:17

Tgt Ion: 43 Resp: 862484

Ion Ratio Lower Upper

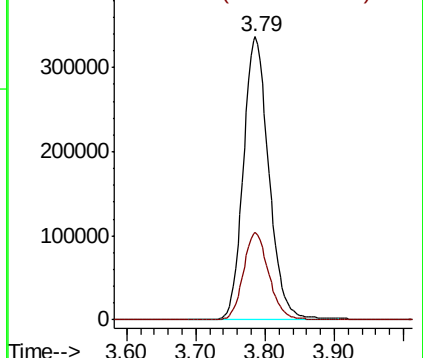
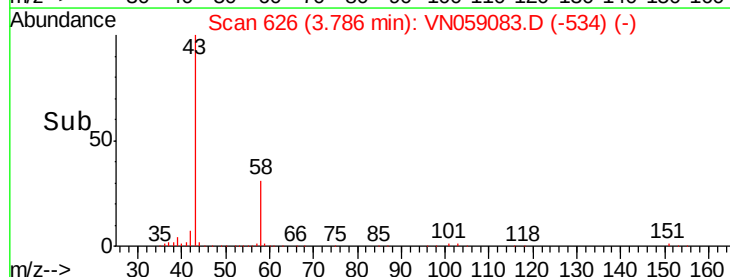
43 100

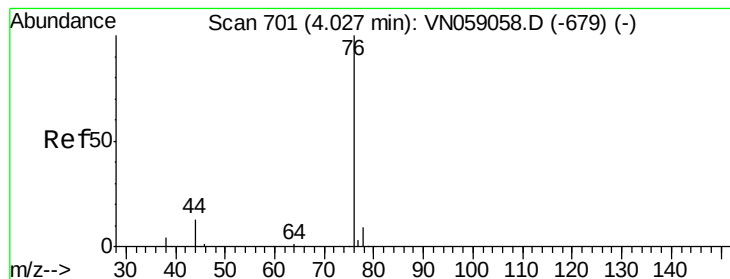
58 31.1 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)





#17

Carbon Disulfide

Concen: 46.888 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

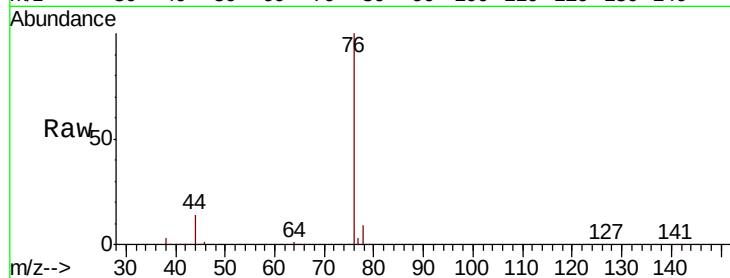
VSTDCCC050

Tot Ion: 76 Resp: 689198

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN059083.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059083.D (-608) (-)

4.03

250000

200000

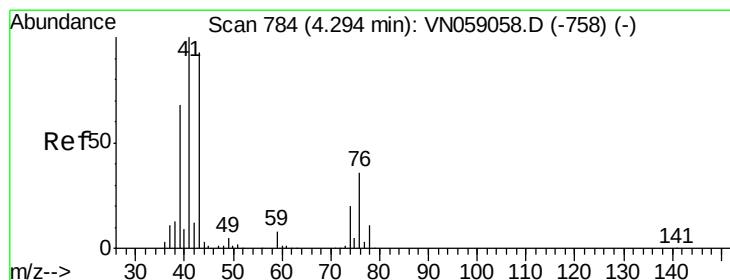
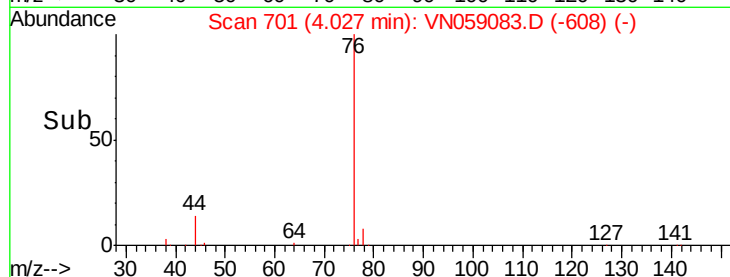
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.147 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059083.D

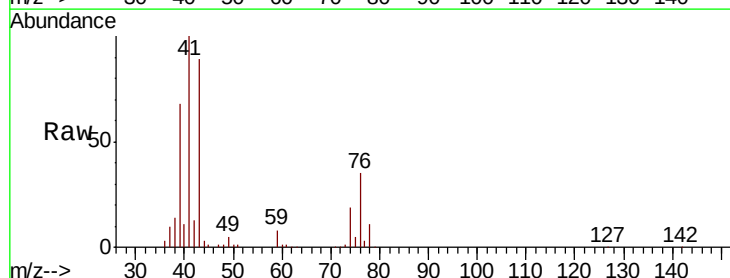
Acq: 5 Nov 2019 10:17

Tgt Ion: 43 Resp: 373531

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059083.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059083.D (-691) (-)

4.29

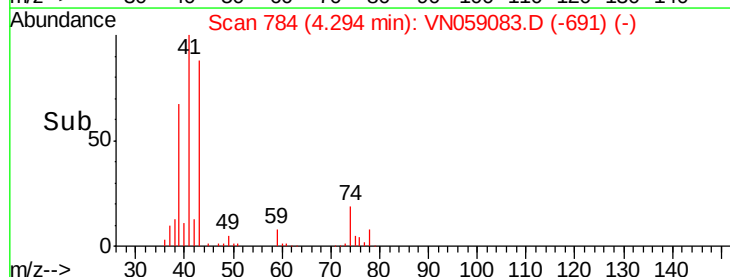
150000

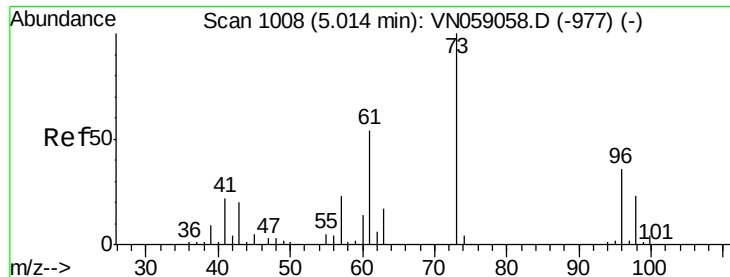
100000

50000

0

Time-->

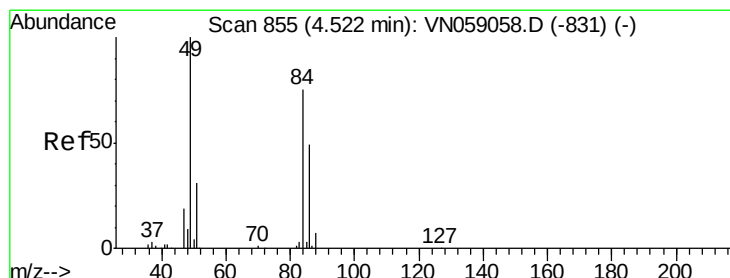
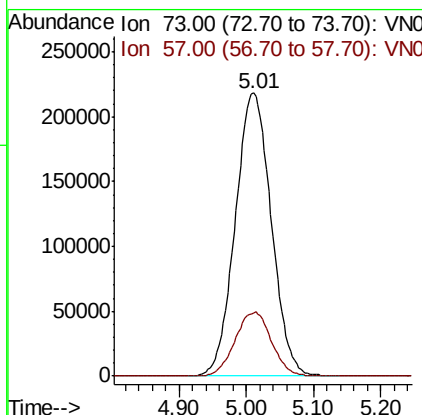
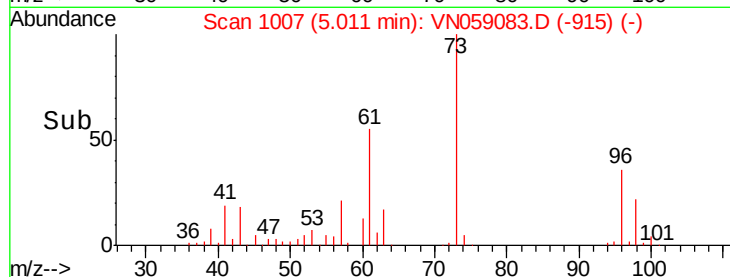
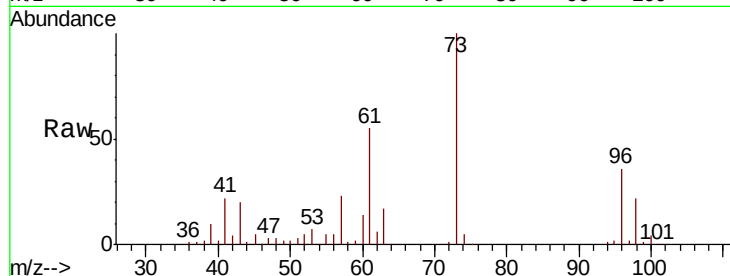




#19
Methyl tert-butyl Ether
Concen: 51.490 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

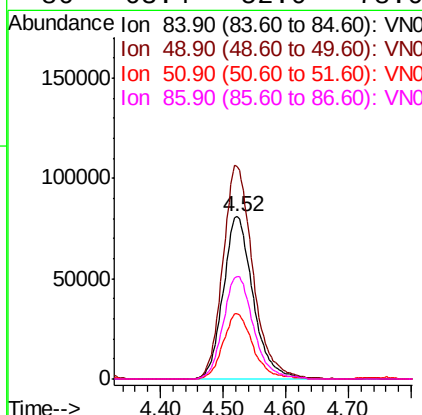
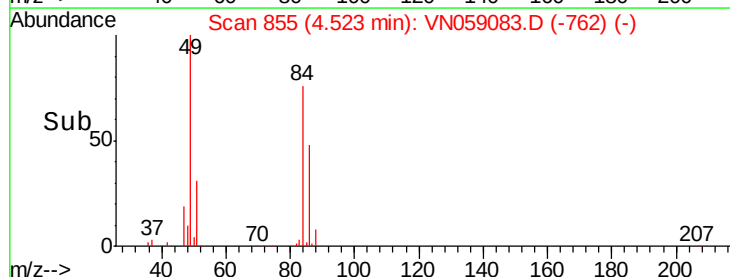
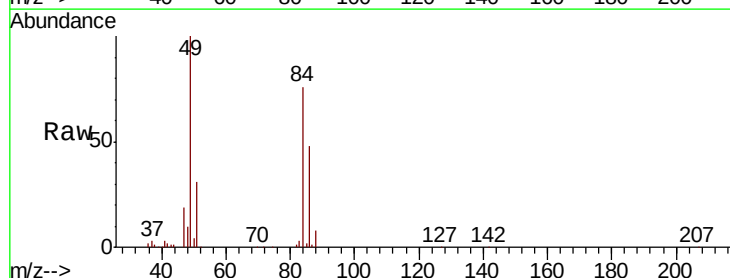
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

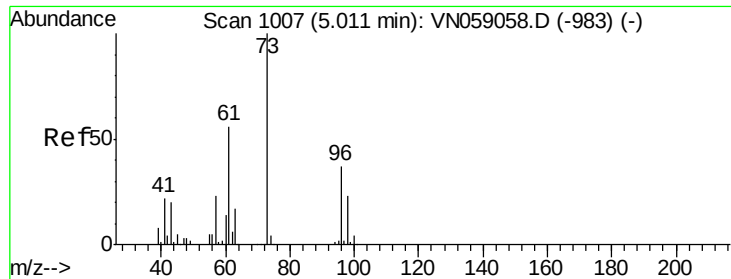
Tot Ion: 73 Resp: 810817
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#20
Methylene Chloride
Concen: 48.725 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 84 Resp: 266758
Ion Ratio Lower Upper
84 100
49 131.3 106.4 159.6
51 40.2 33.0 49.4
86 63.4 52.0 78.0

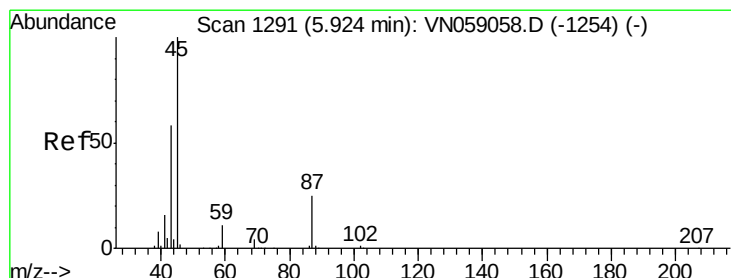
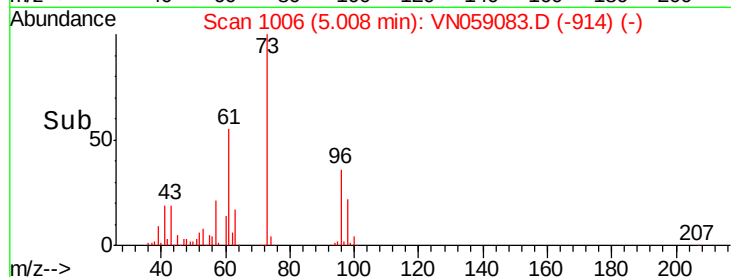
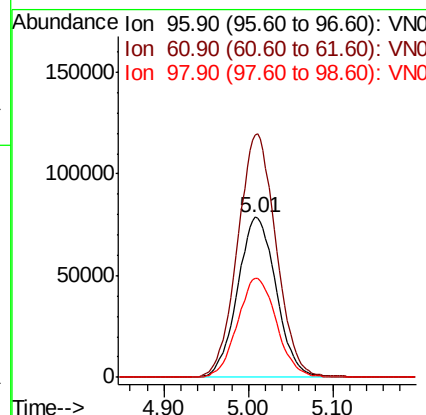
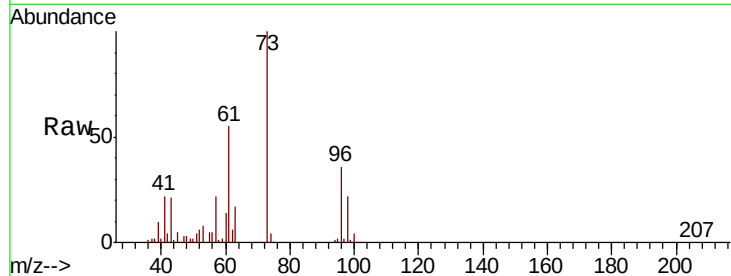




#21
trans-1,2-Dichloroethene
Concen: 50.505 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

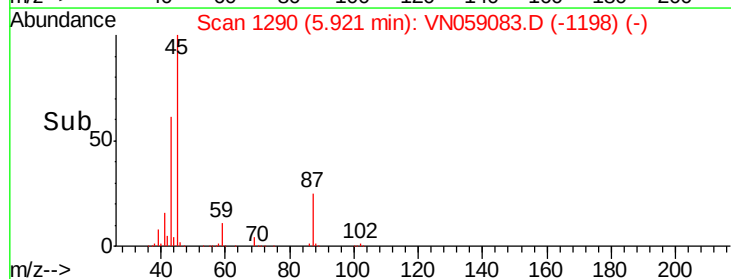
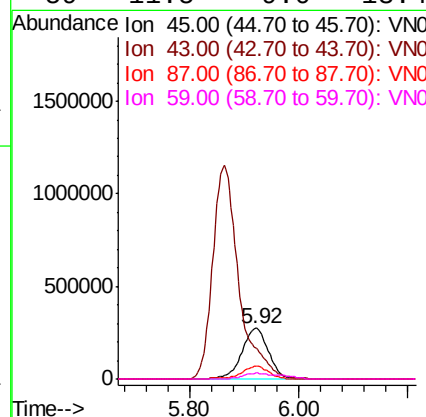
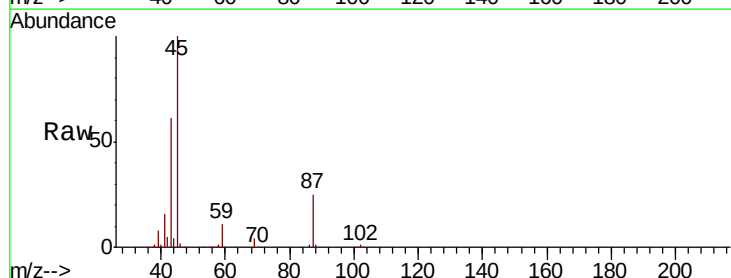
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

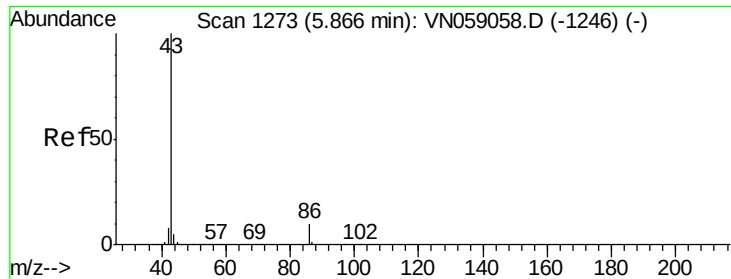
Tot Ion: 96 Resp: 250679
Ion Ratio Lower Upper
96 100
61 151.0 121.7 182.5
98 62.0 50.6 76.0



#22
Diisopropyl ether
Concen: 53.272 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 45 Resp: 929621
Ion Ratio Lower Upper
45 100
43 60.1 46.9 70.3
87 25.3 20.1 30.1
59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 276.919 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

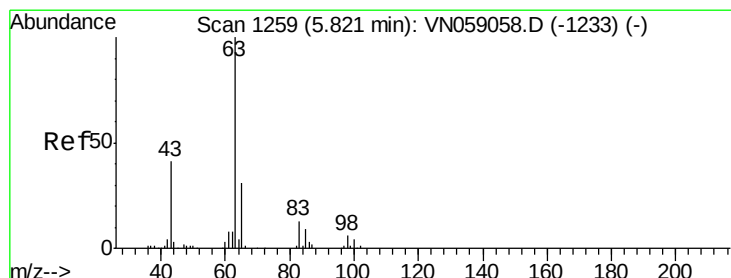
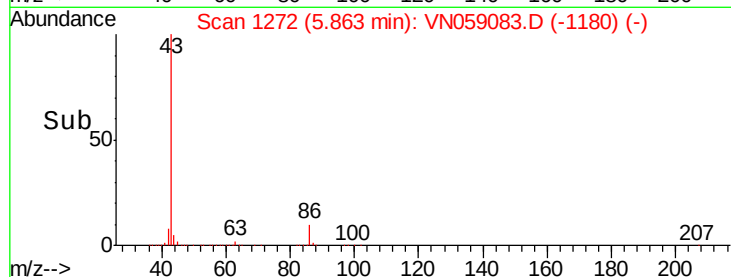
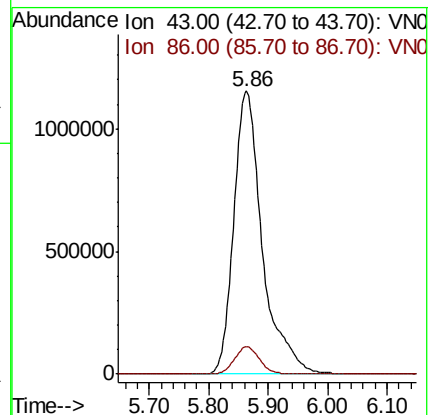
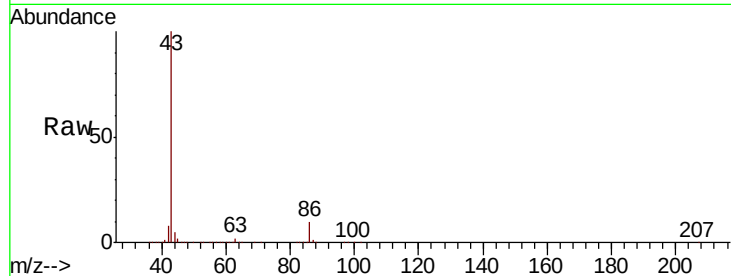
VSTDCCC050

Tot Ion: 43 Resp: 3848832

Ion Ratio Lower Upper

43 100

86 9.7 7.6 11.4



#24

1,1-Dichloroethane

Concen: 50.431 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

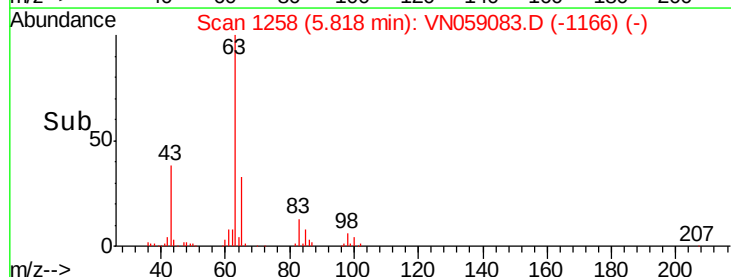
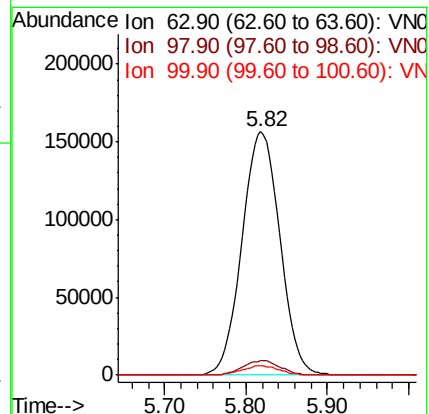
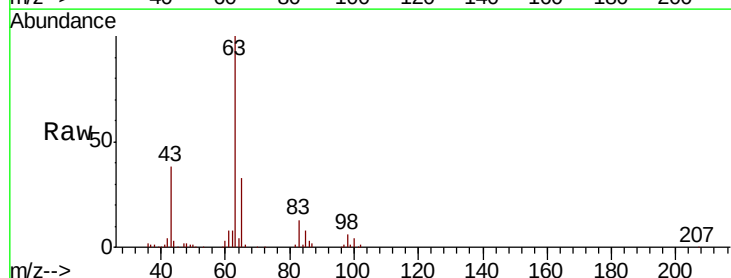
Tgt Ion: 63 Resp: 503138

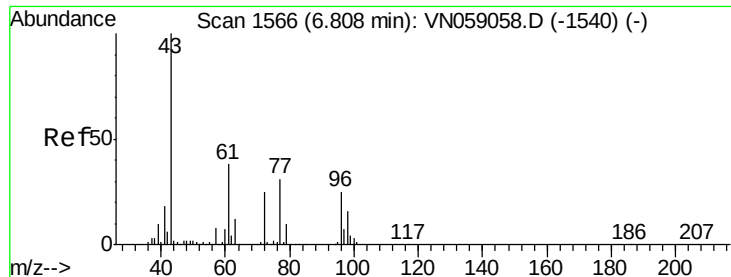
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 3.7 2.0 6.0

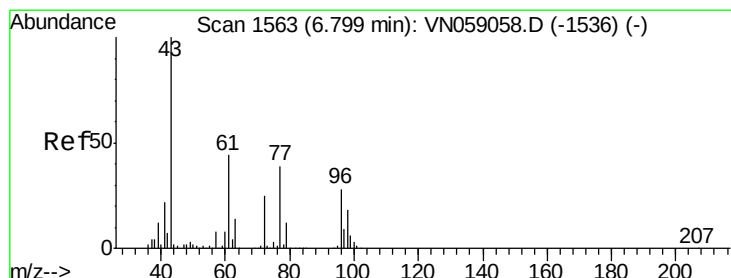
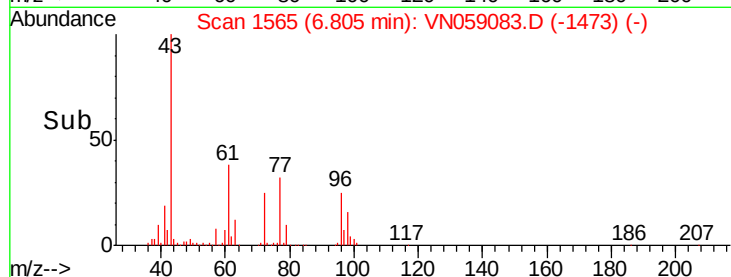
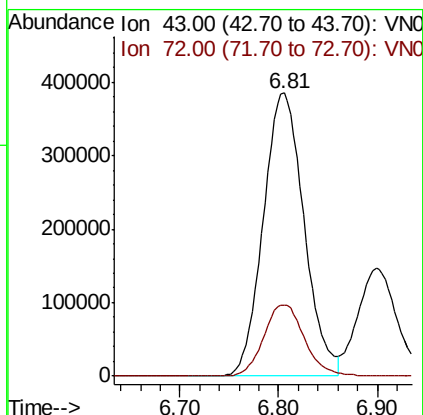
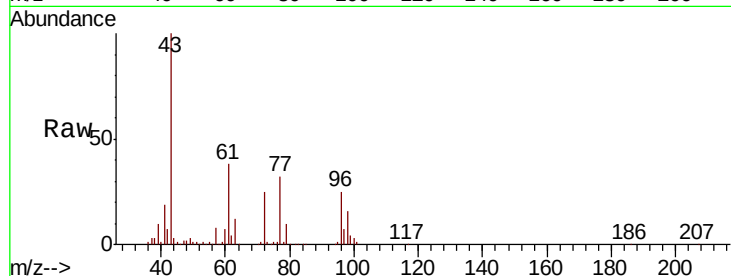




#25
2-Butanone
Concen: 264.264 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

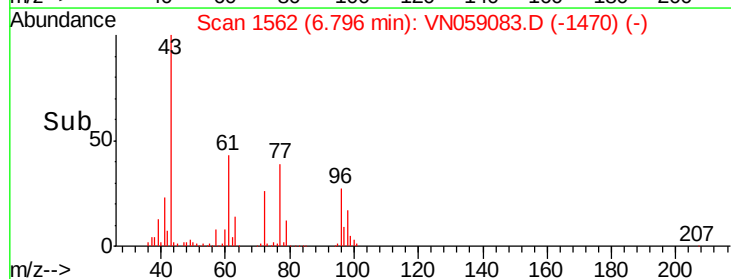
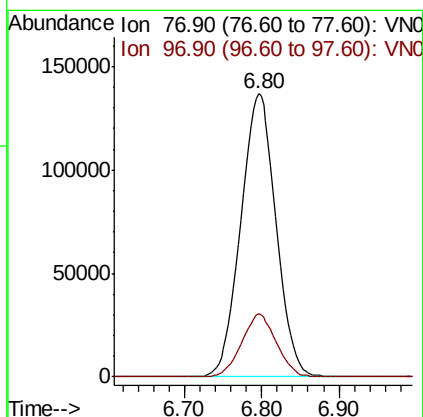
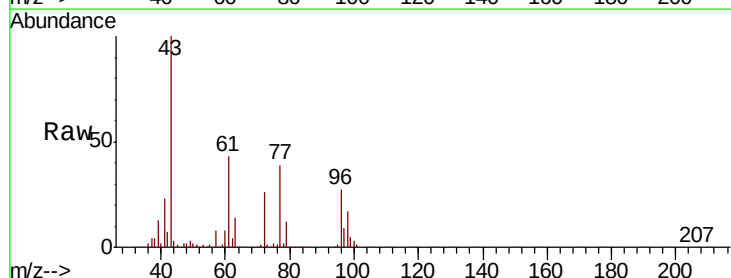
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

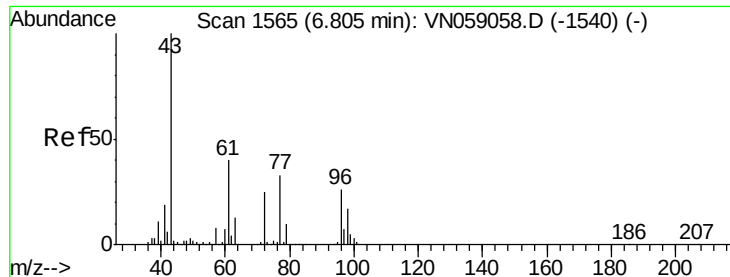
Tot Ion: 43 Resp: 1100443
Ion Ratio Lower Upper
43 100
72 25.1 19.9 29.9



#26
2,2-Dichloropropane
Concen: 50.041 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 77 Resp: 433334
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 51.347 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

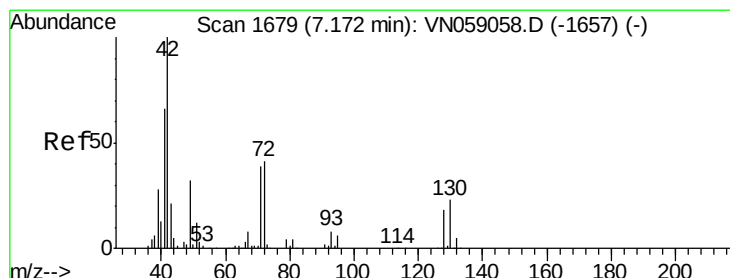
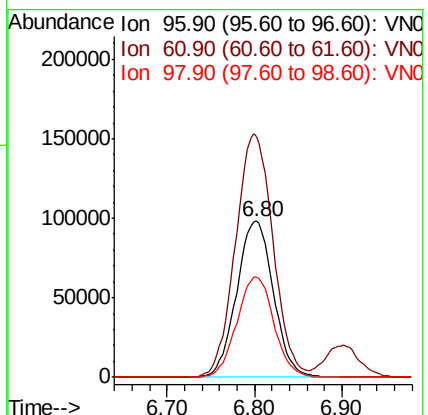
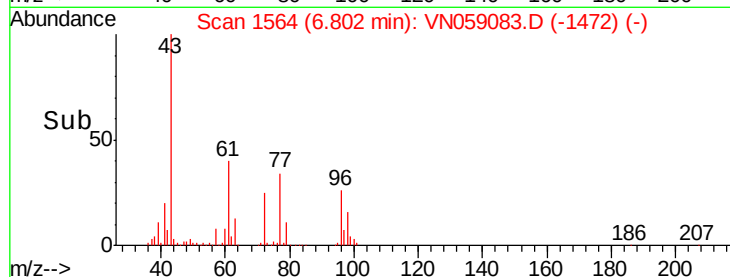
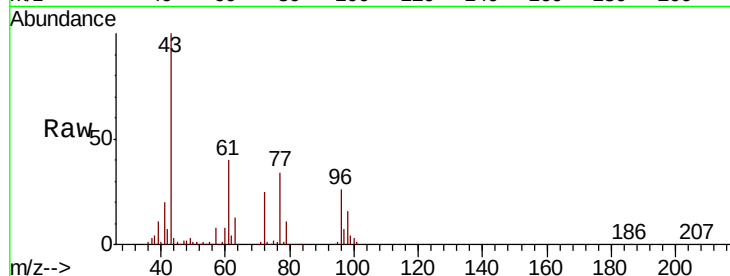
Tot Ion: 96 Resp: 286971

Ion Ratio Lower Upper

96 100

61 159.0 0.0 316.4

98 64.8 0.0 128.2



#28

Bromochloromethane

Concen: 50.334 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

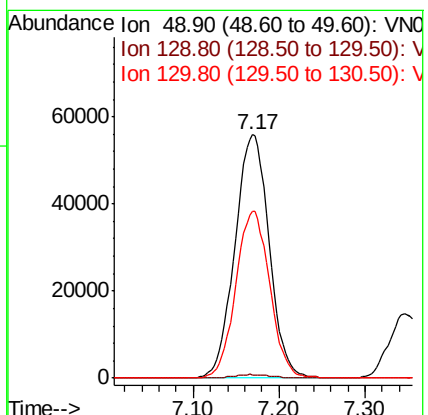
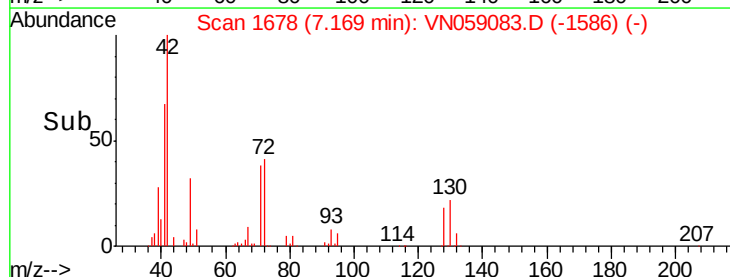
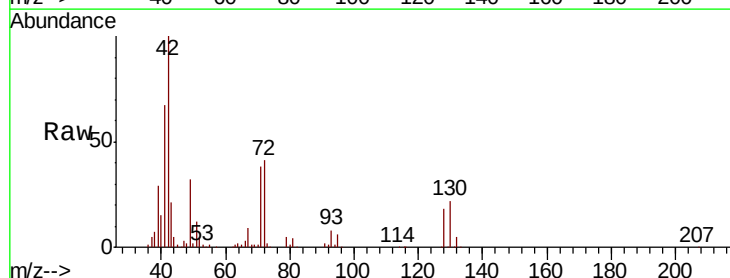
Tgt Ion: 49 Resp: 154983

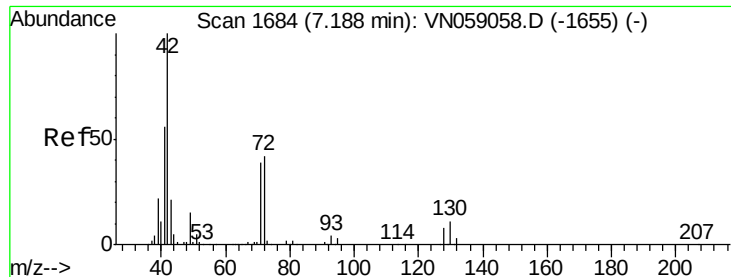
Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.4

130 68.0 55.0 82.6





#29

Tetrahydrofuran

Concen: 256.935 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

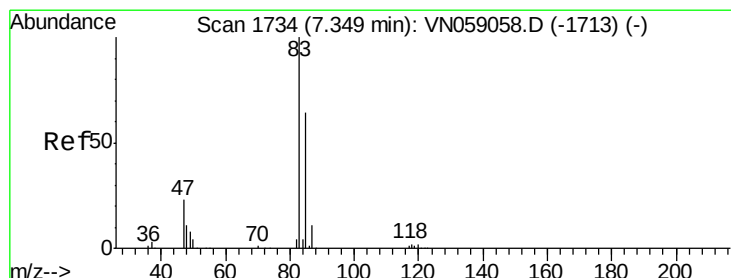
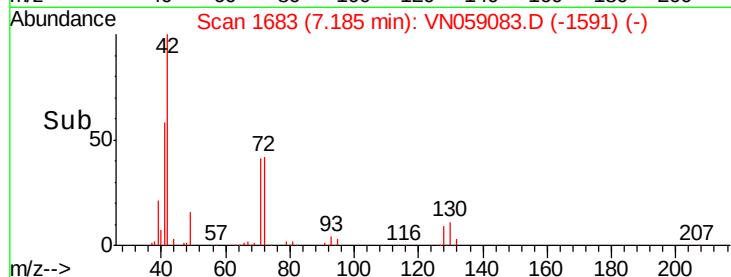
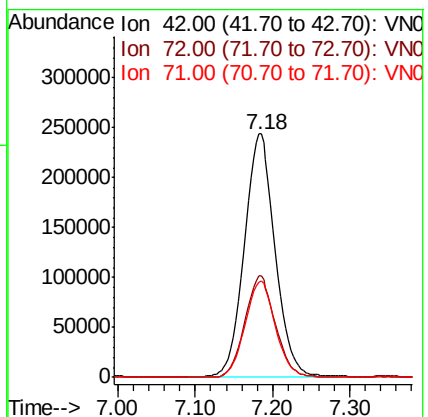
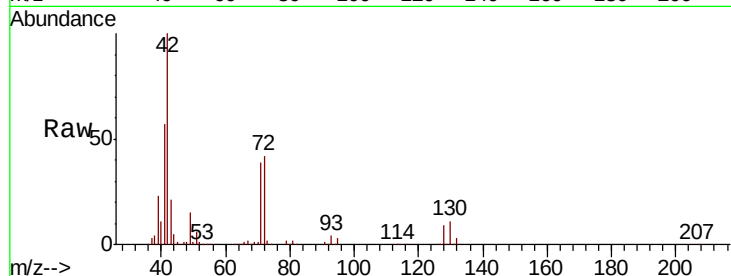
Tot Ion: 42 Resp: 675232

Ion Ratio Lower Upper

42 100

72 41.3 32.7 49.1

71 39.2 31.2 46.8



#30

Chloroform

Concen: 50.784 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059083.D

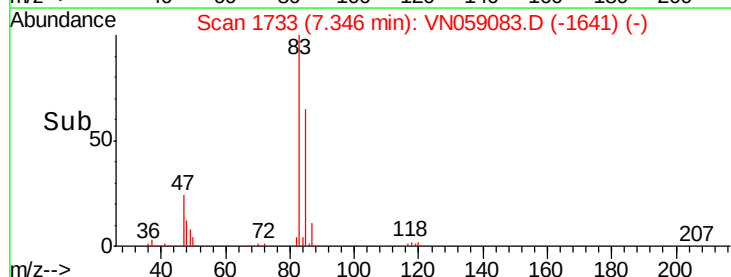
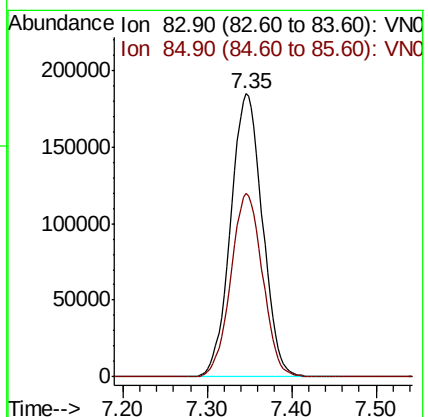
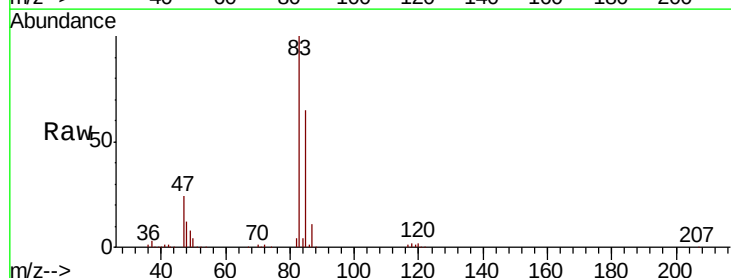
Acq: 5 Nov 2019 10:17

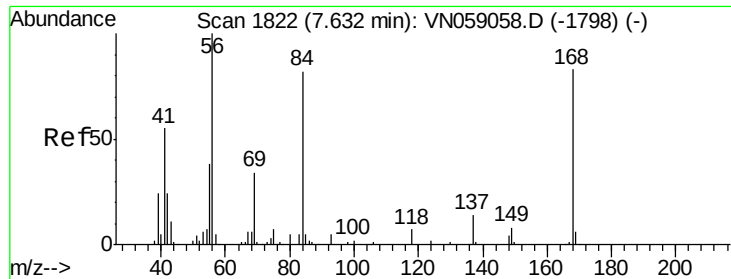
Tgt Ion: 83 Resp: 484493

Ion Ratio Lower Upper

83 100

85 64.8 50.9 76.3

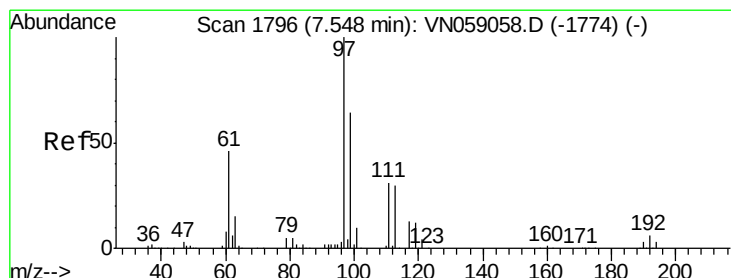
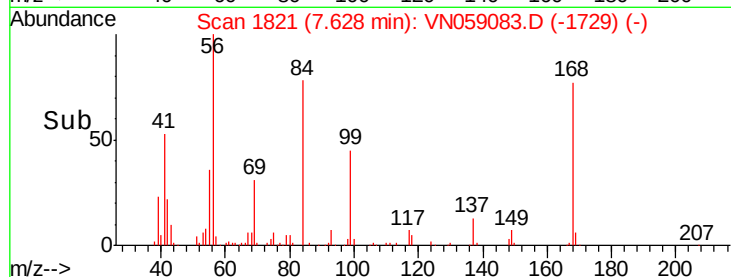
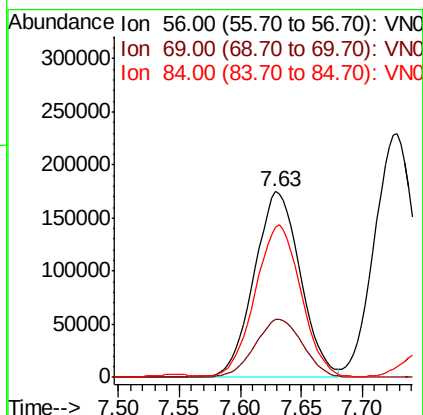
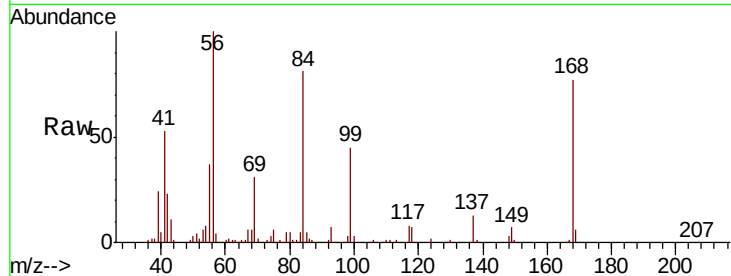




#31
Cyclohexane
Concen: 48.444 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

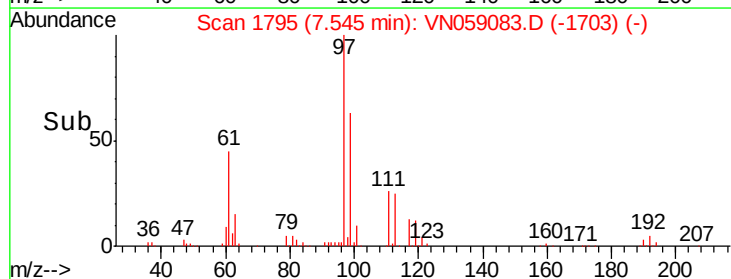
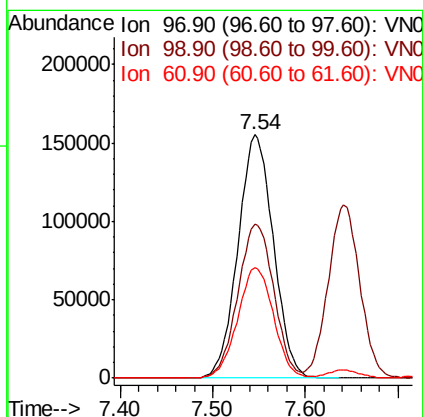
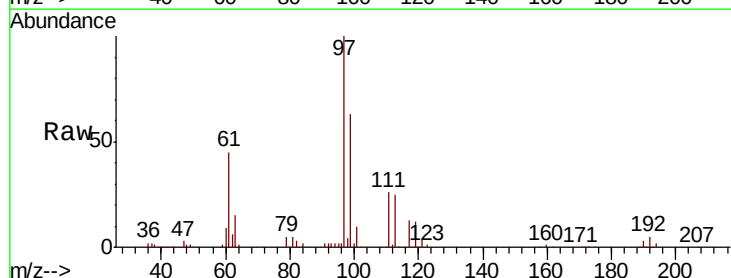
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

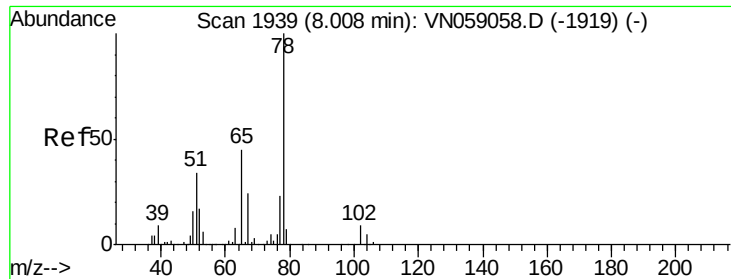
Tot Ion: 56 Resp: 460994
Ion Ratio Lower Upper
56 100
69 31.1 27.2 40.8
84 80.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 51.015 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 97 Resp: 411774
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 46.0 36.3 54.5

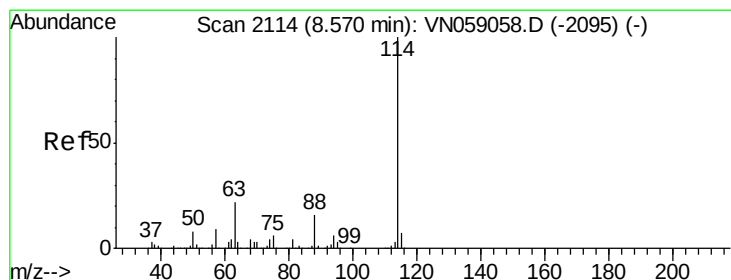
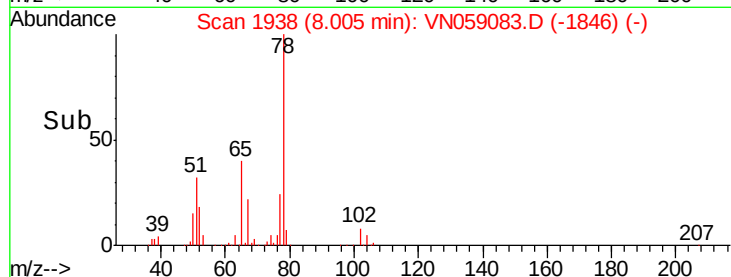
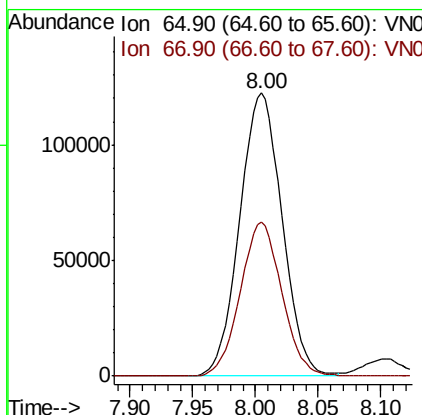
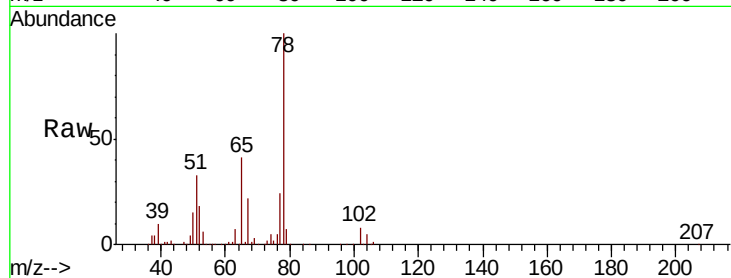




#33
 1,2-Dichloroethane-d4
 Concen: 46.639 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

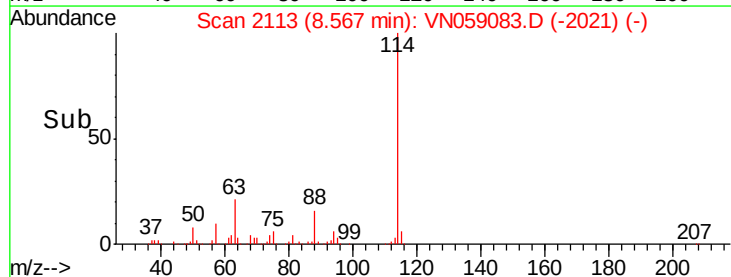
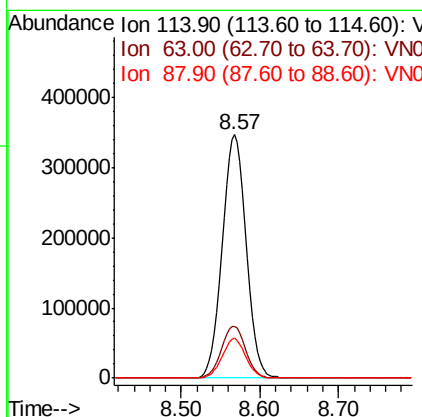
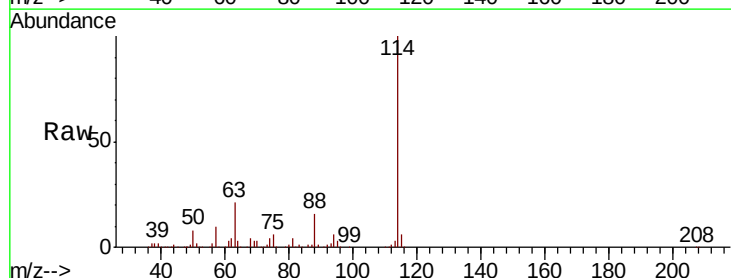
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

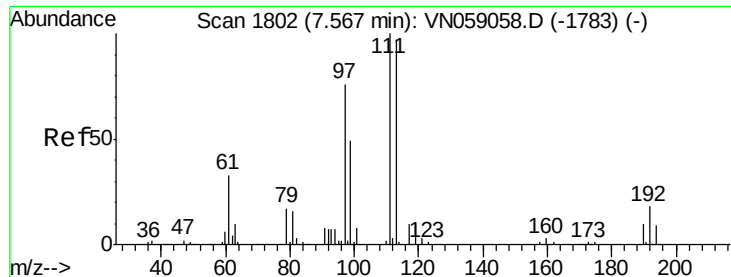
Tot Ion: 65 Resp: 288105
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion: 114 Resp: 724330
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 16.3 0.0 33.0

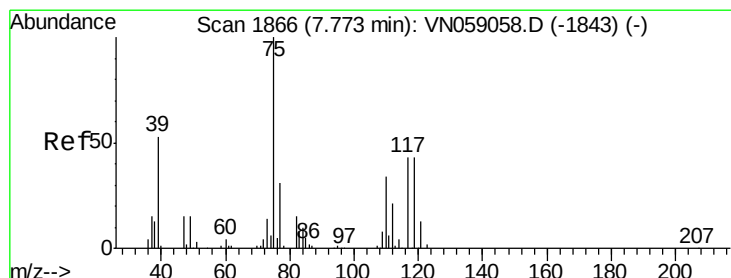
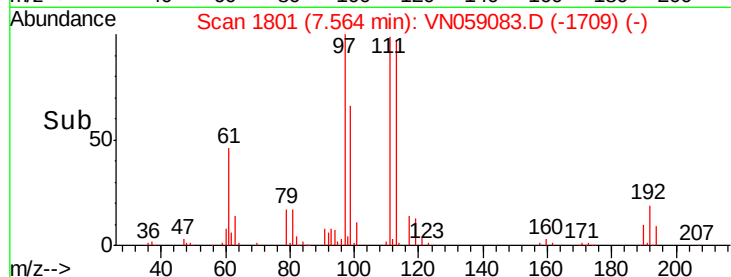
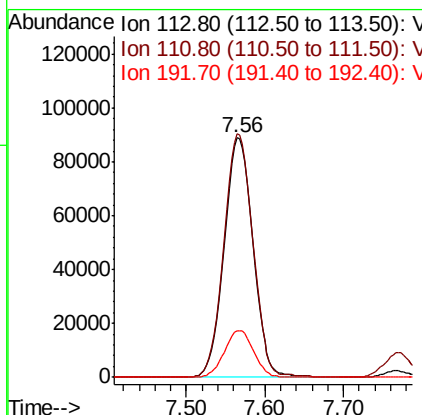
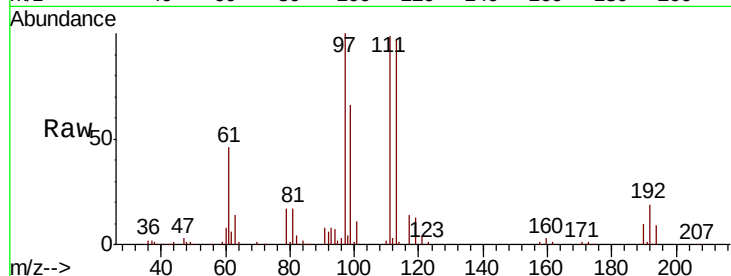




#35
 Dibromofluoromethane
 Concen: 48.303 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

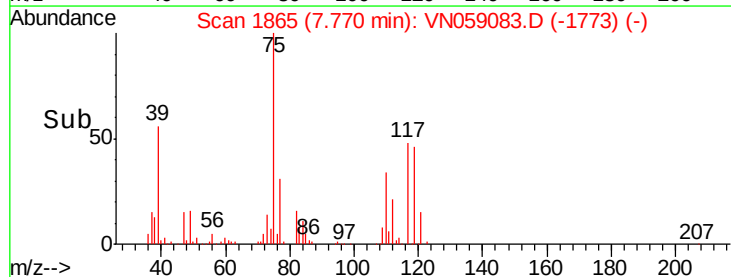
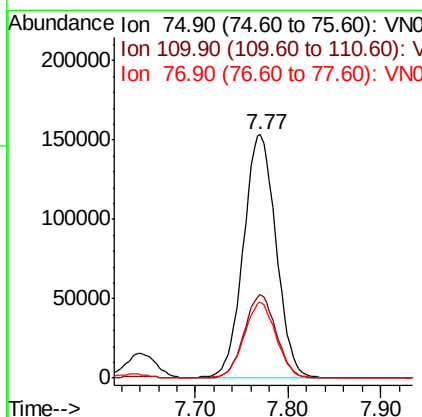
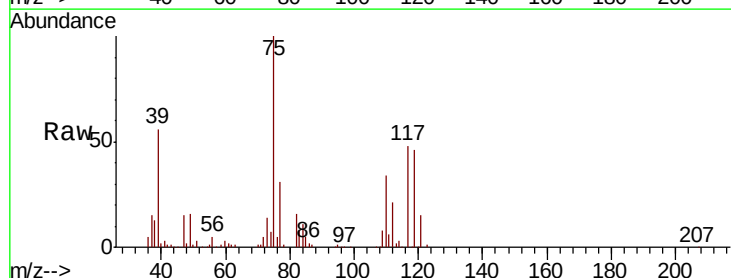
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

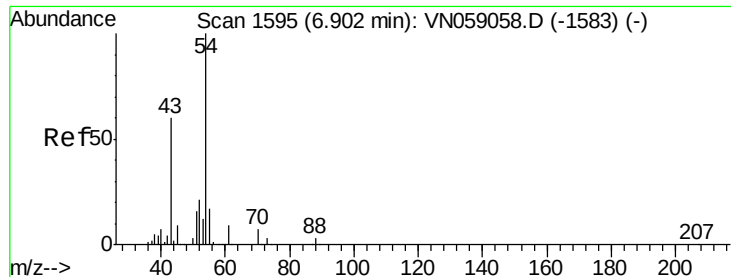
Tot Ion:113 Resp: 225713
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 19.7 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 51.763 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion: 75 Resp: 372644
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.9 50.6
 77 31.0 25.0 37.4

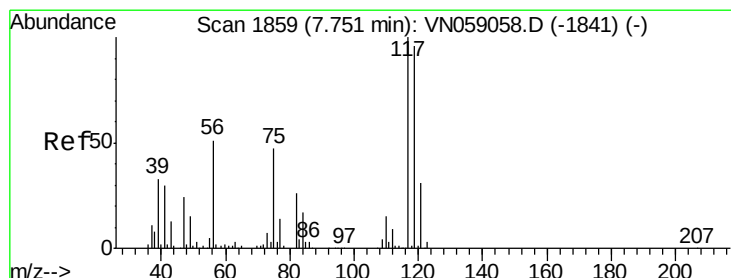
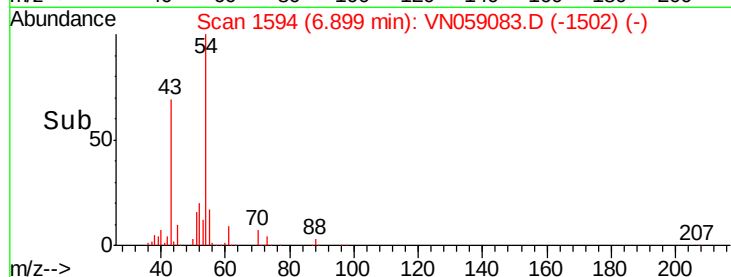
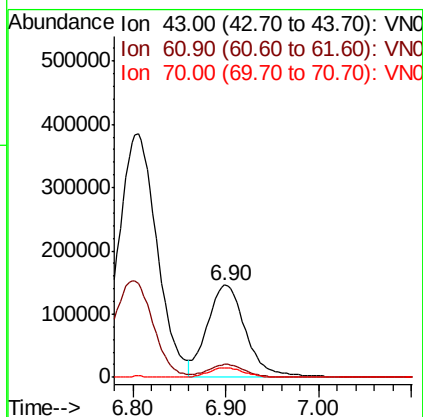
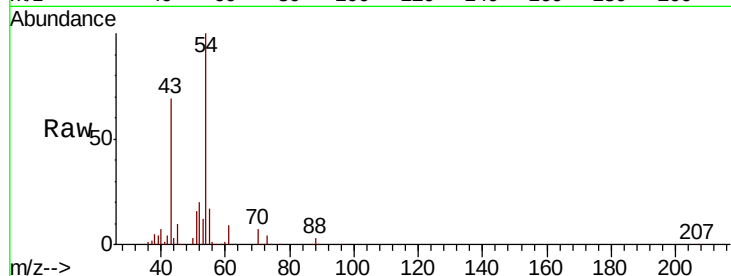




#37
Ethyl Acetate
Concen: 51.680 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

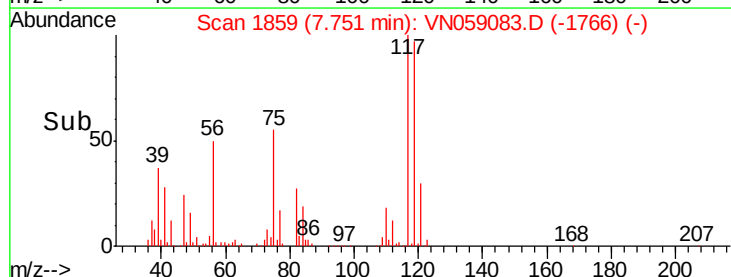
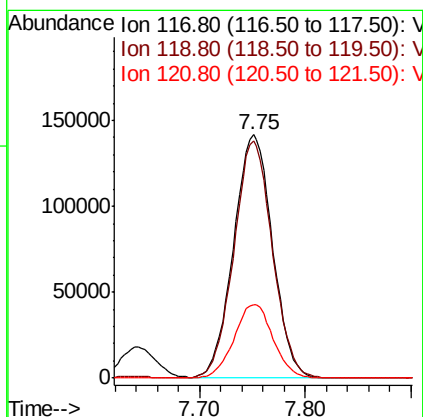
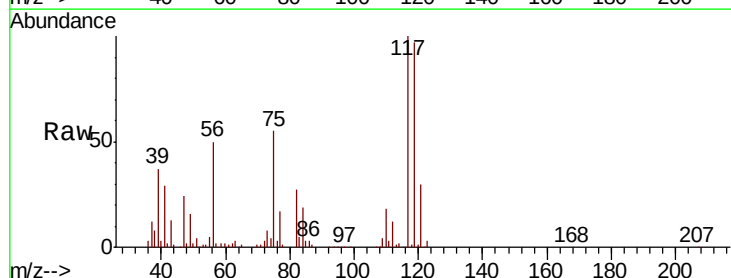
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

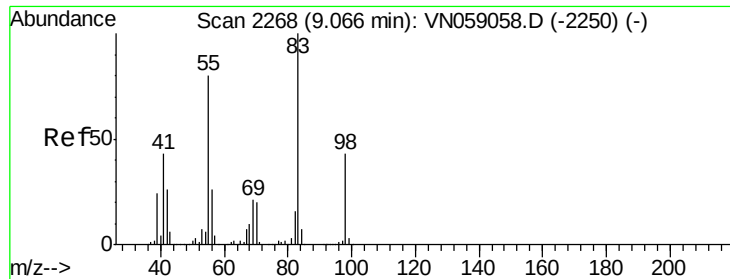
Tot Ion: 43 Resp: 413374
Ion Ratio Lower Upper
43 100
61 13.5 11.2 16.8
70 10.2 8.0 12.0



#38
Carbon Tetrachloride
Concen: 51.716 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 117 Resp: 362837
Ion Ratio Lower Upper
117 100
119 97.3 76.6 114.8
121 30.3 24.6 37.0

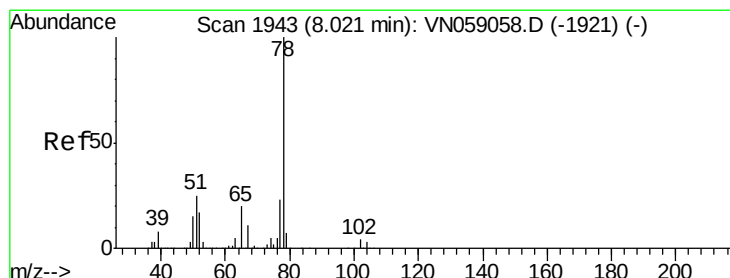
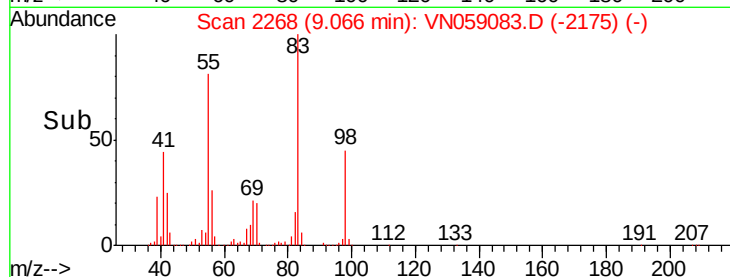
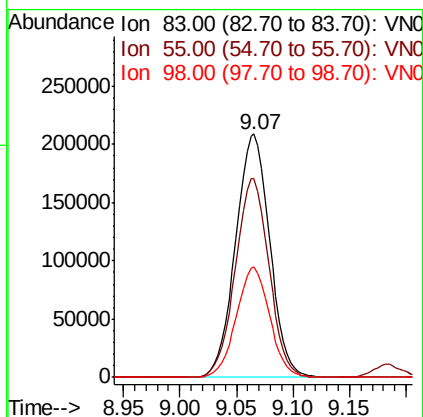
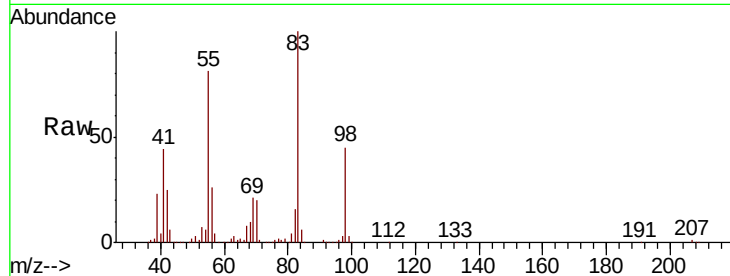




#39
Methylvlcyclohexane
Concen: 52.861 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

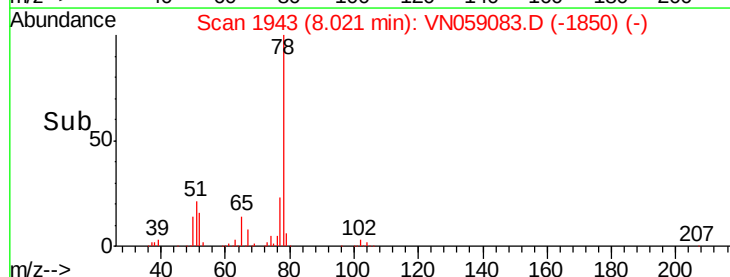
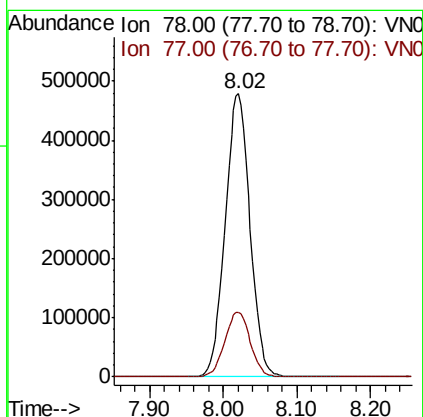
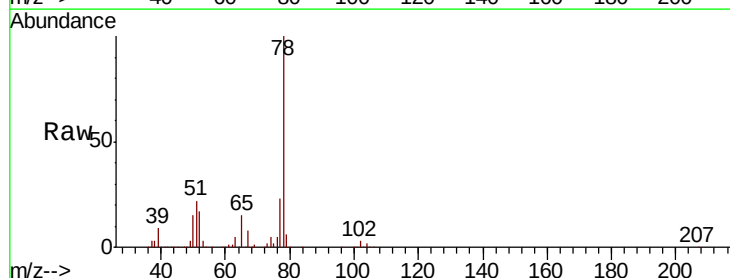
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

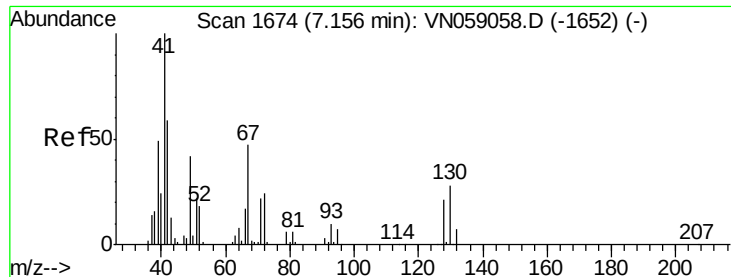
Tot Ion: 83 Resp: 439856
Ion Ratio Lower Upper
83 100
55 81.4 64.1 96.1
98 45.2 34.3 51.5



#40
Benzene
Concen: 52.162 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 78 Resp: 1114405
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8

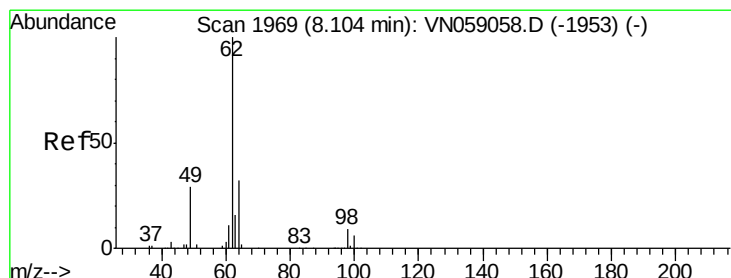
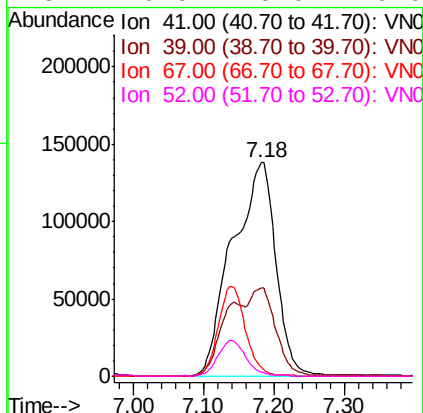
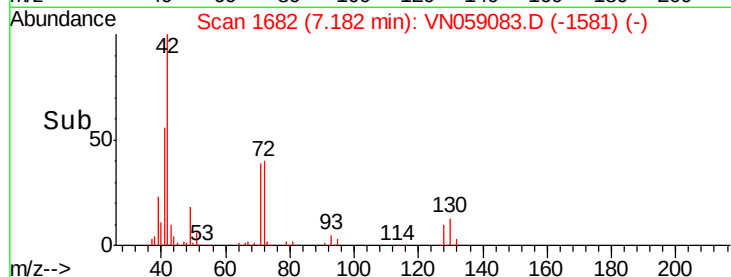
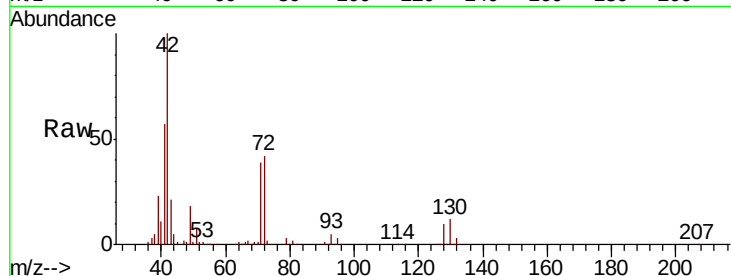




#41
Methacrylonitrile
Concen: 170.231 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

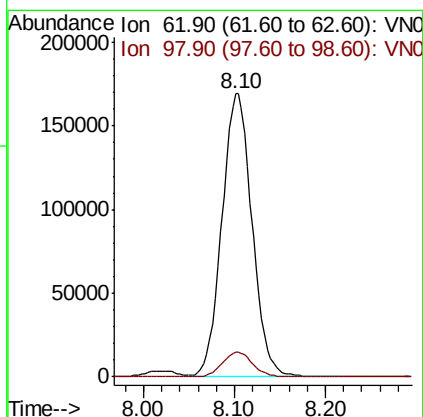
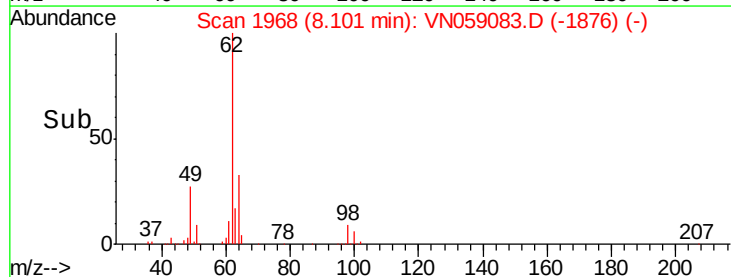
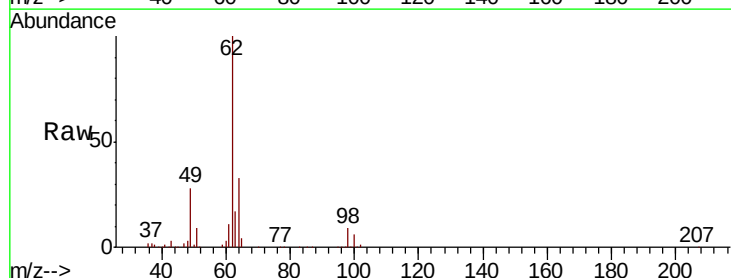
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

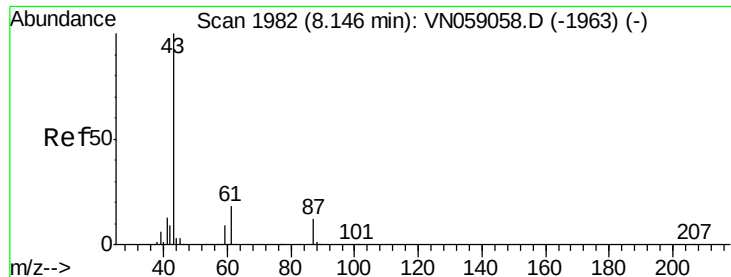
Tot Ion:	41	Resp:	588788
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 52.366 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion:	62	Resp:	388544
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0





#43

Isopropyl Acetate

Concen: 52.266 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

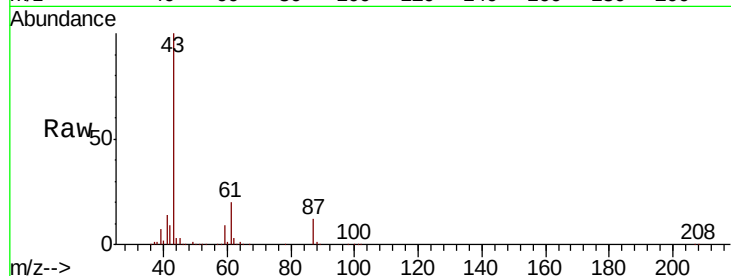
Tot Ion: 43 Resp: 653776

Ion Ratio Lower Upper

43 100

61 26.1 20.5 30.7

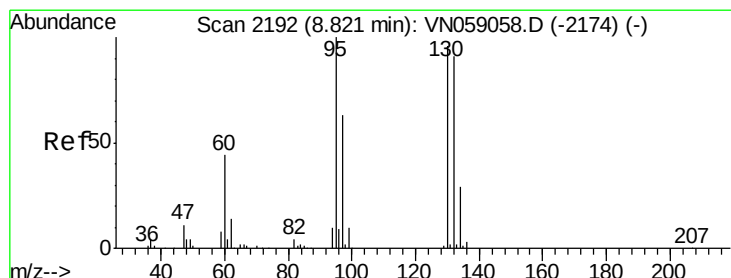
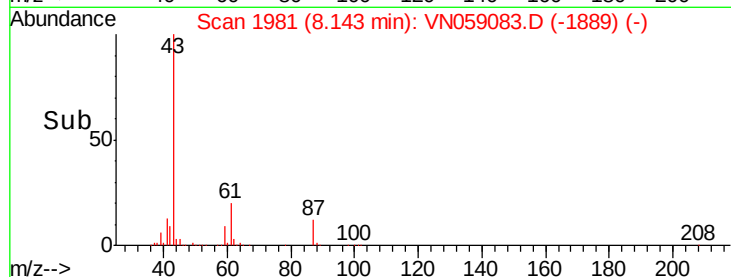
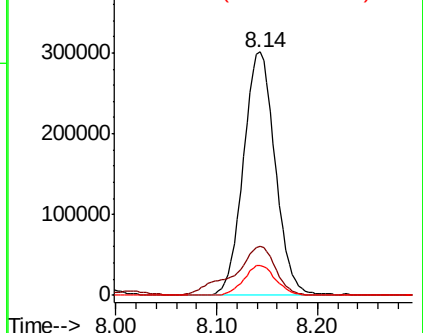
87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)



#44

Trichloroethene

Concen: 51.527 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059083.D

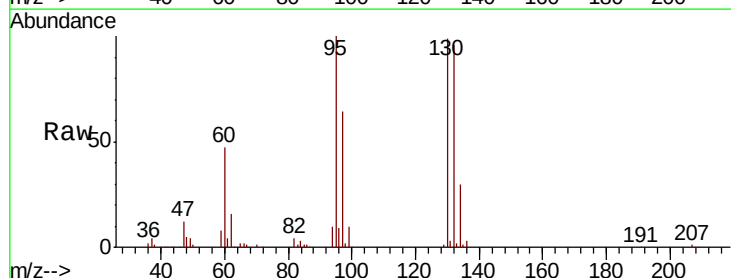
Acq: 5 Nov 2019 10:17

Tgt Ion:130 Resp: 270856

Ion Ratio Lower Upper

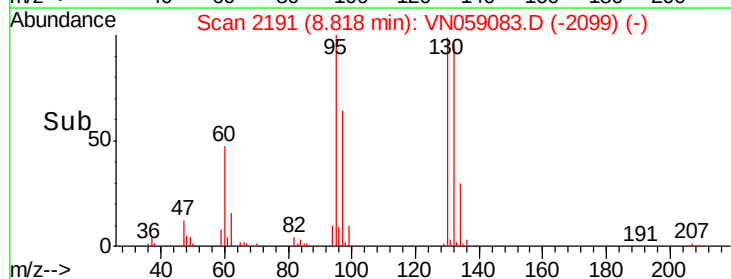
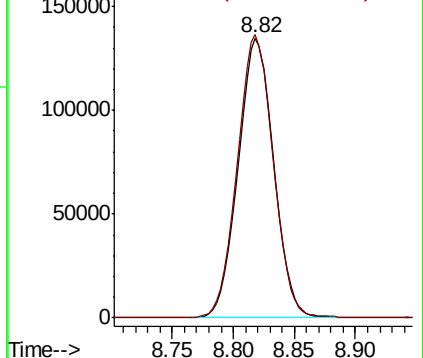
130 100

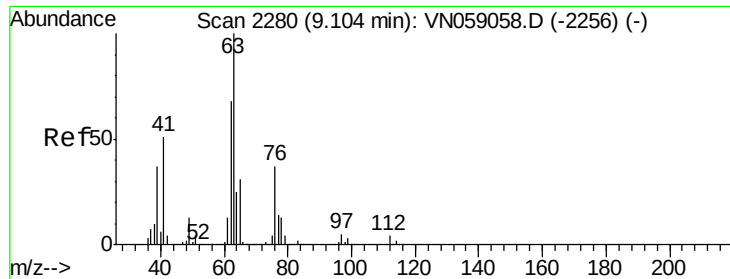
95 101.0 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN059058.D (-2174) (-)





#45

1,2-Dichloropropane

Concen: 53.288 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

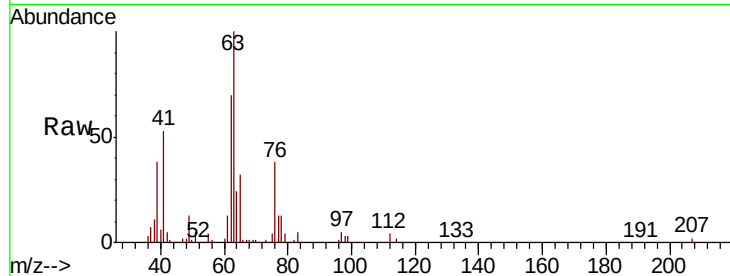
VSTDCCC050

Tot Ion: 63 Resp: 307891

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

150000

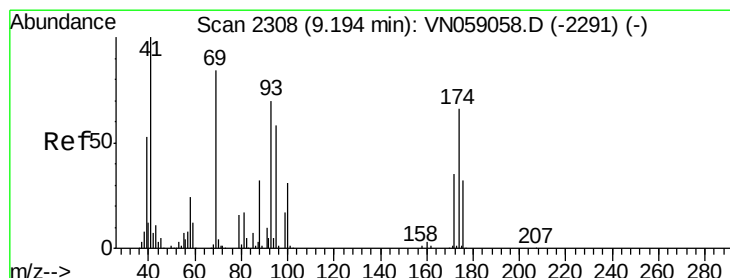
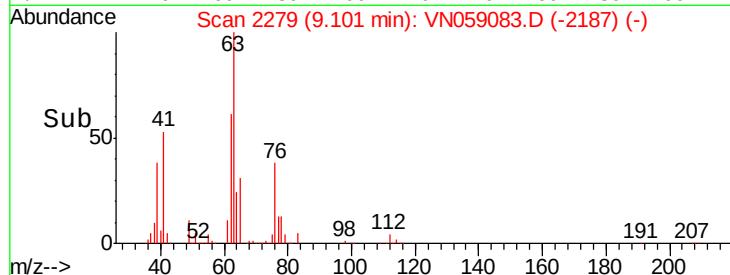
100000

50000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 52.337 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

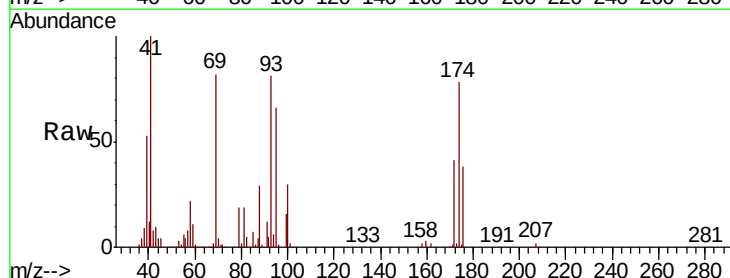
Tgt Ion: 93 Resp: 186897

Ion Ratio Lower Upper

93 100

95 82.1 67.2 100.8

174 96.9 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

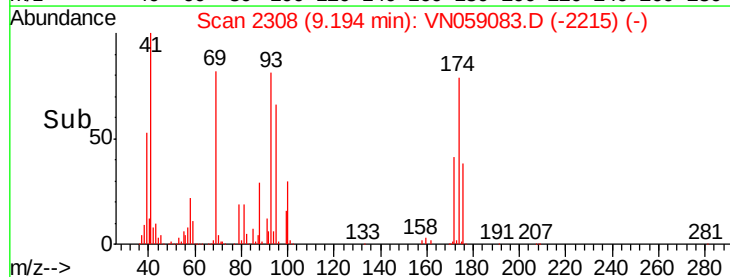
40000

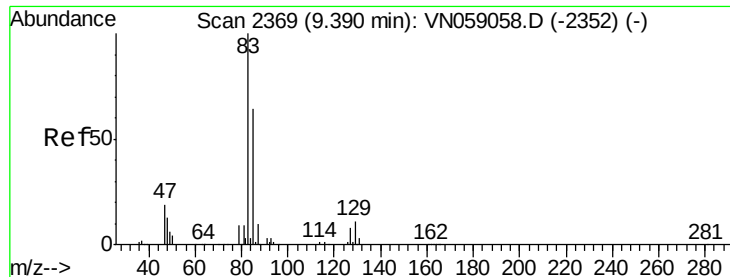
20000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 53.213 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

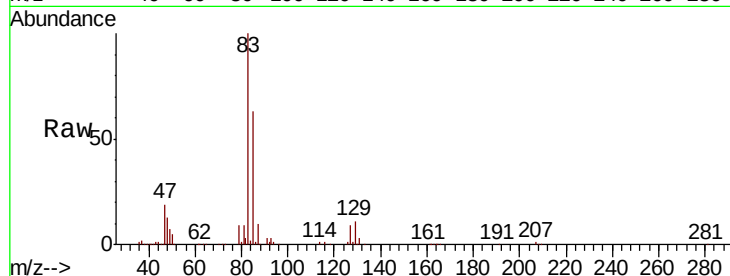
Tot Ion: 83 Resp: 384841

Ion Ratio Lower Upper

83 100

85 63.4 51.2 76.8

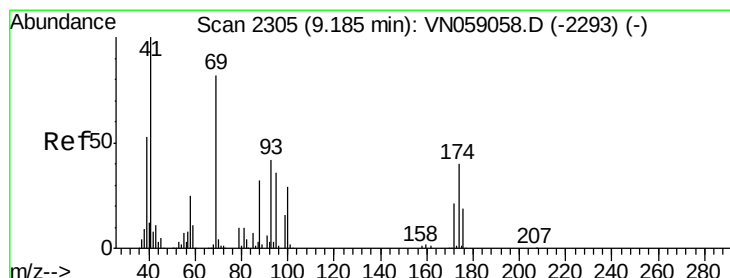
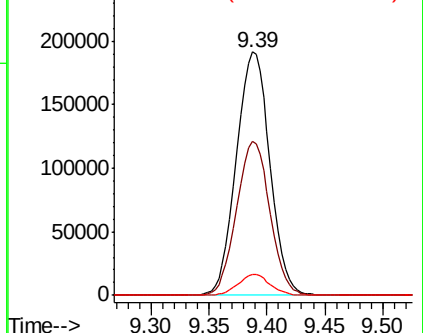
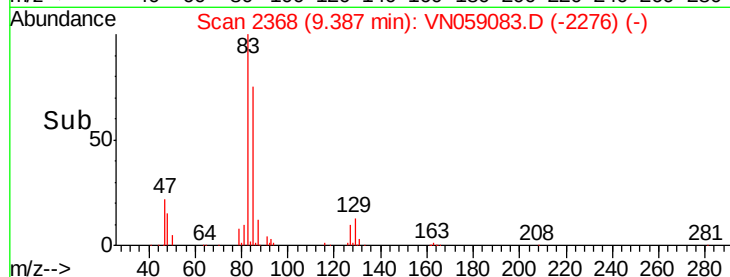
127 8.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059083.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059083.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059083.D (-2276) (-)



#48

Methyl methacrylate

Concen: 52.185 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

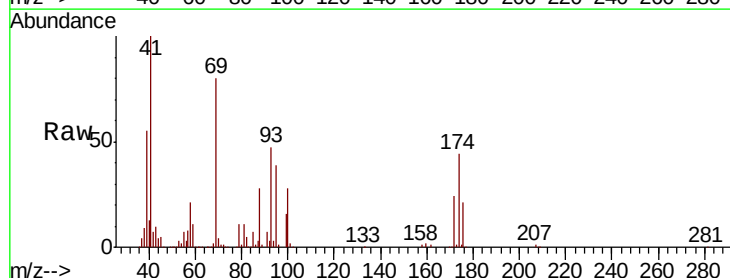
Tgt Ion: 41 Resp: 297637

Ion Ratio Lower Upper

41 100

69 83.0 67.1 100.7

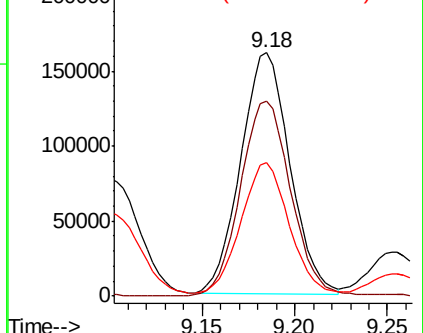
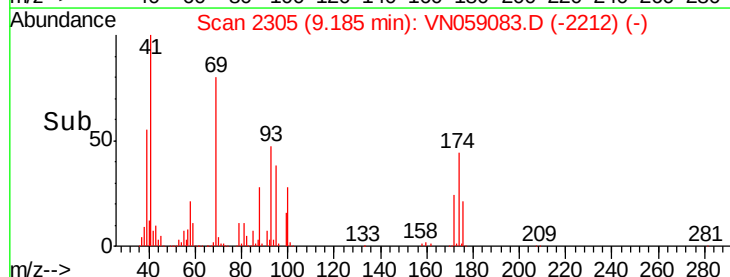
39 55.0 43.3 64.9

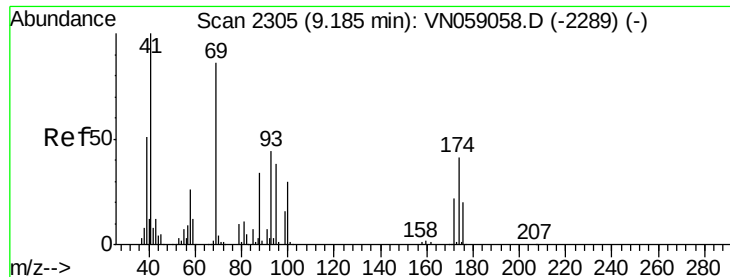


Abundance Ion 41.00 (40.70 to 41.70): VN059083.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059083.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059083.D (-2212) (-)





#49

1,4-Dioxane

Concen: 1018.668 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

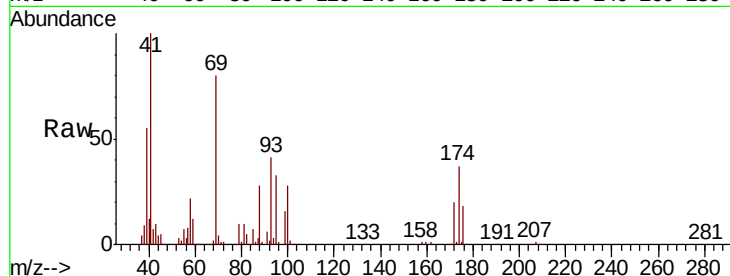
Tot Ion: 88 Resp: 94773

Ion Ratio Lower Upper

88 100

43 34.2 26.2 39.2

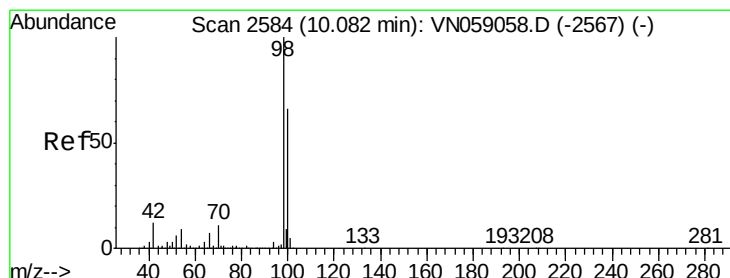
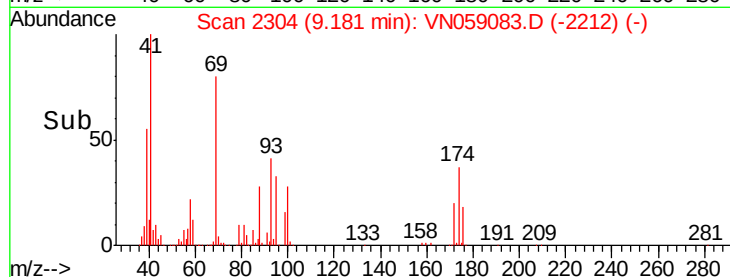
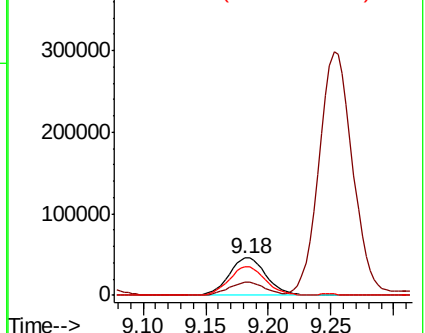
58 75.5 59.1 88.7



Abundance Ion 88.00 (87.70 to 88.70): VN059083.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059083.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059083.D (-2212) (-)



#50

Toluene-d8

Concen: 48.606 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059083.D

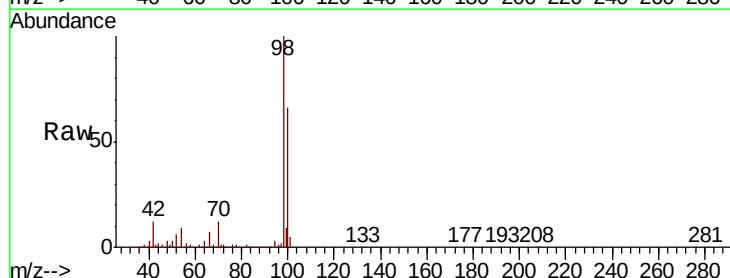
Acq: 5 Nov 2019 10:17

Tgt Ion: 98 Resp: 884275

Ion Ratio Lower Upper

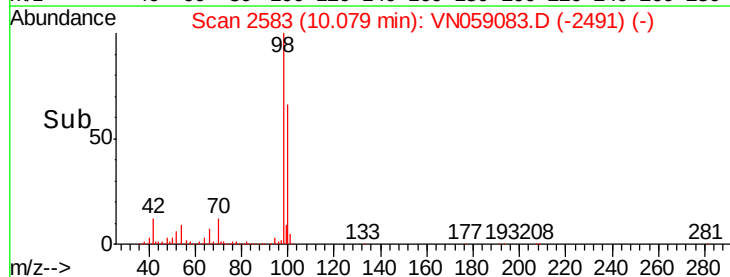
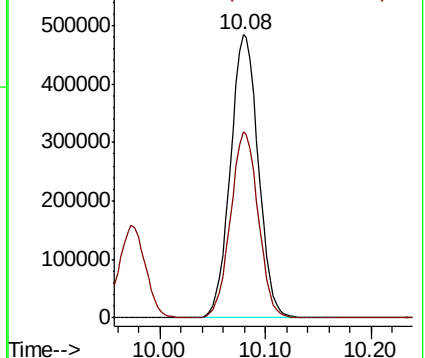
98 100

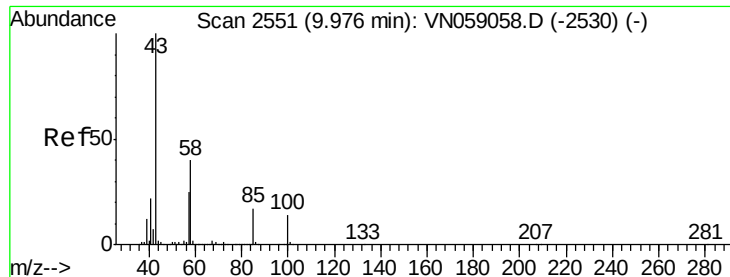
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN059083.D (-2491) (-)

Ion 100.00 (99.70 to 100.70): VN059083.D (-2491) (-)

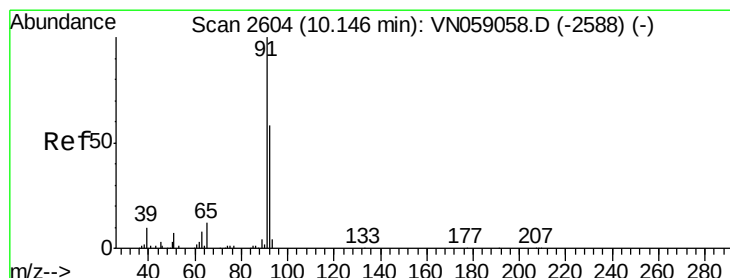
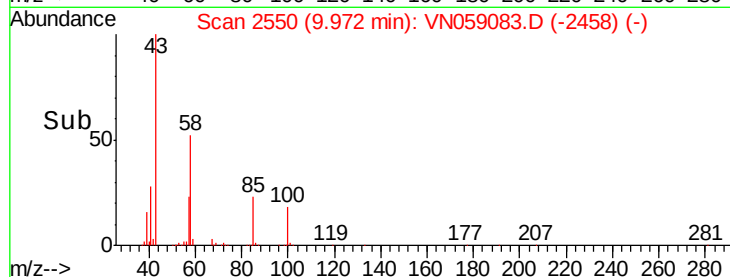
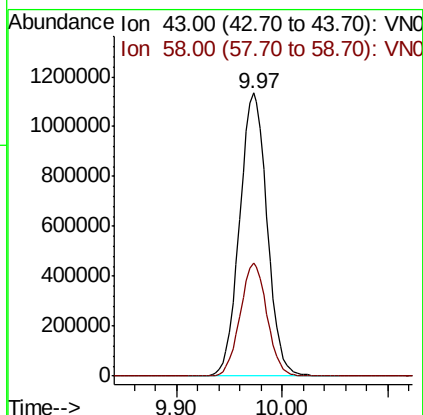
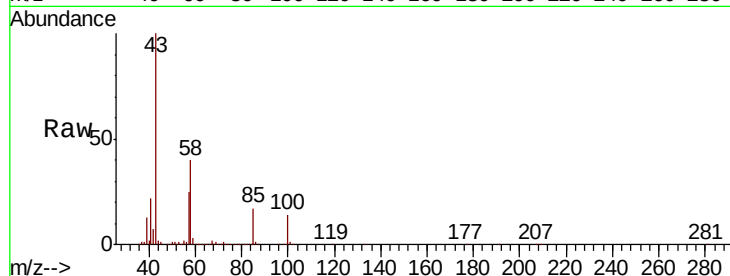




#51
 4-Methyl-2-Pentanone
 Concen: 281.948 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

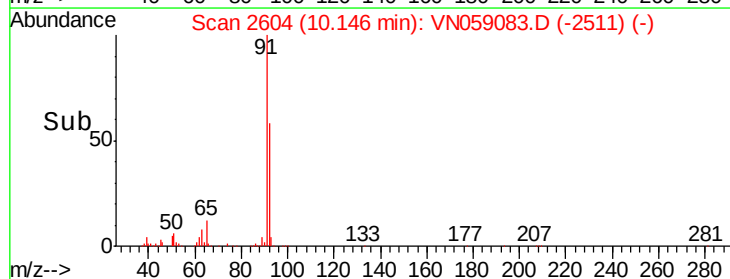
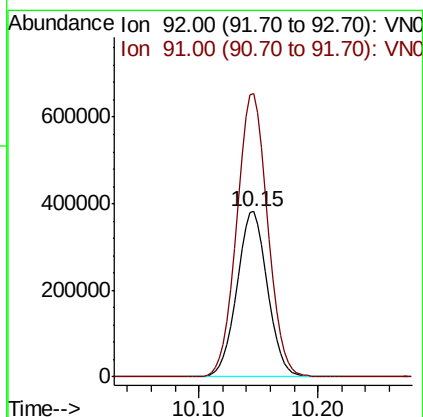
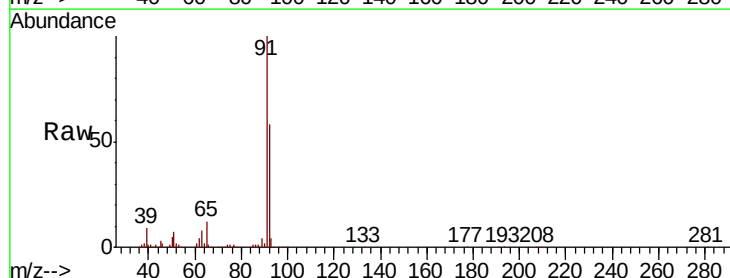
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

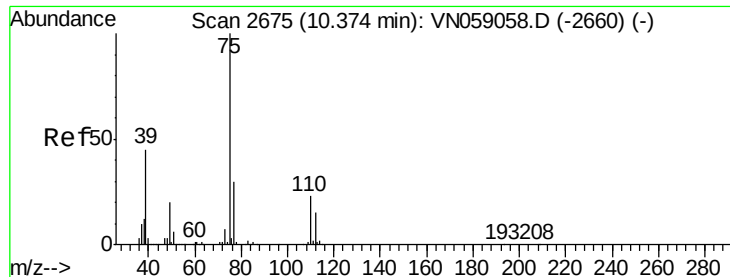
Tot Ion: 43 Resp: 2048770
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.6



#52
 Toluene
 Concen: 54.296 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion: 92 Resp: 679688
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 52.755 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

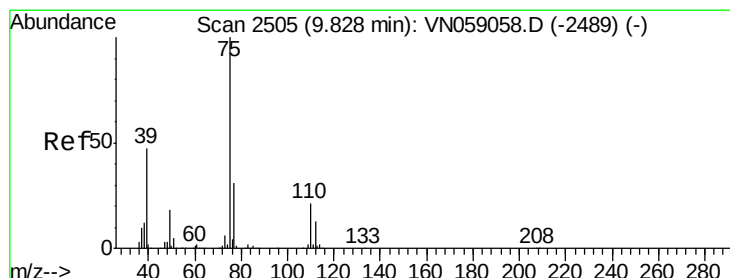
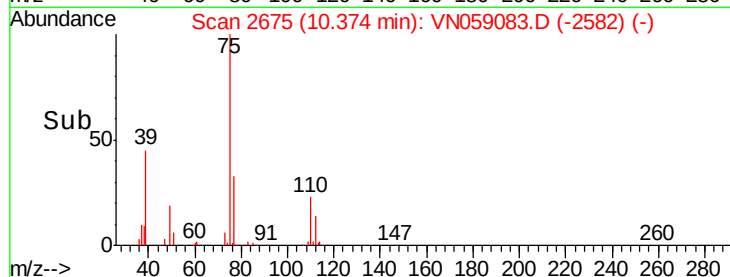
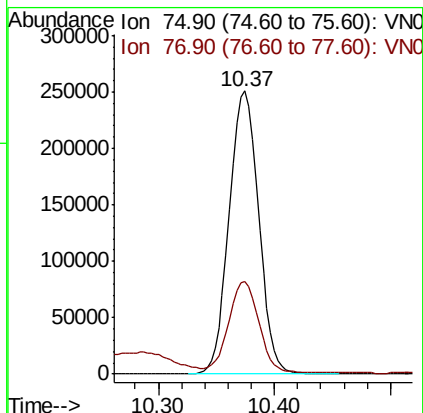
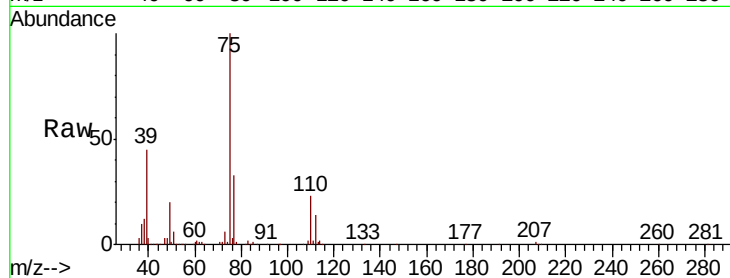
VSTDCCC050

Tot Ion: 75 Resp: 441173

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 54.246 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

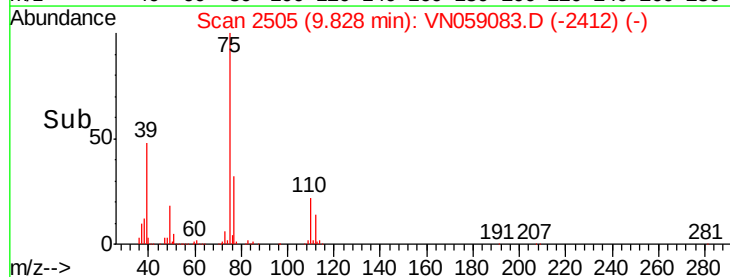
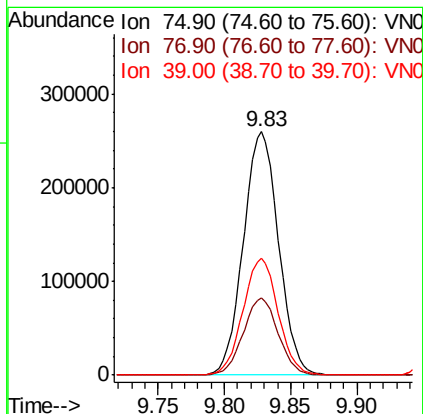
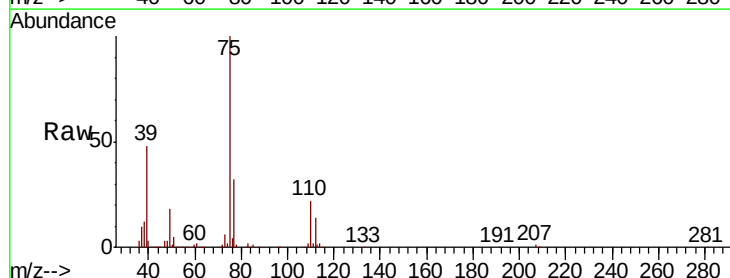
Tgt Ion: 75 Resp: 478491

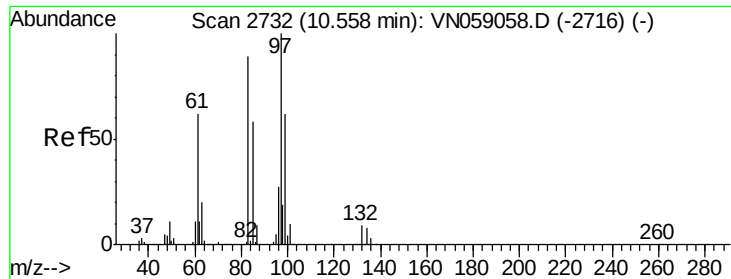
Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

39 47.8 37.4 56.2

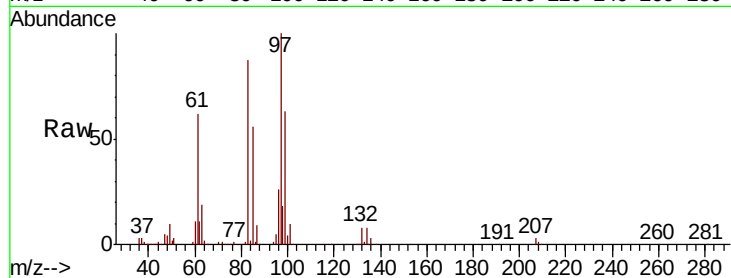




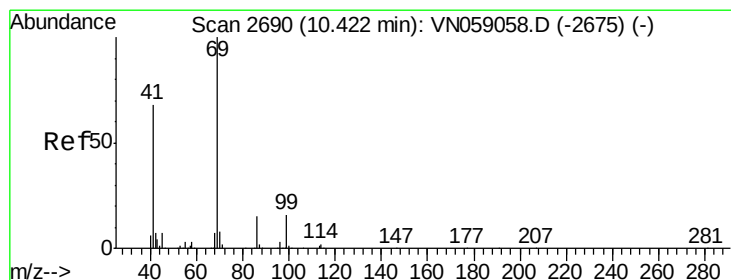
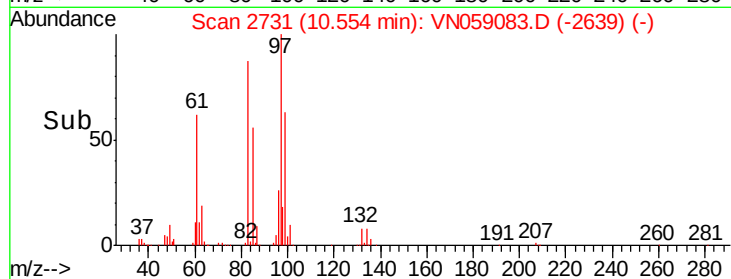
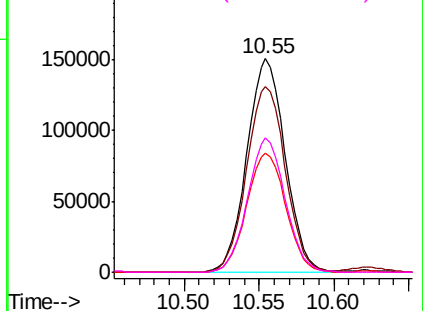
#55
 1,1,2-Trichloroethane
 Concen: 52.635 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 268405
 Ion Ratio Lower Upper
 97 100
 83 87.0 71.4 107.2
 85 55.8 46.6 70.0
 99 62.8 49.7 74.5

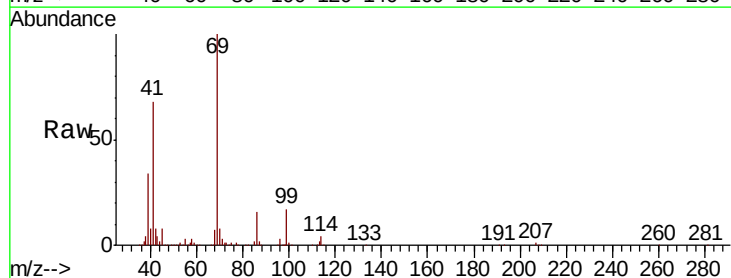


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

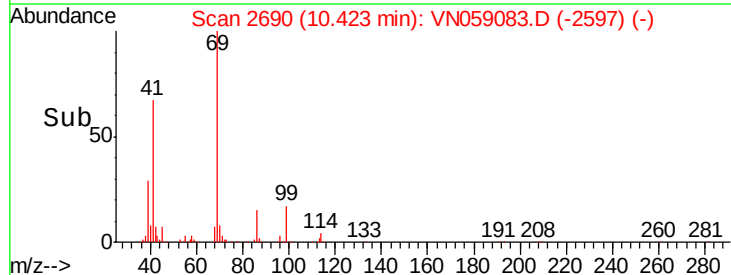
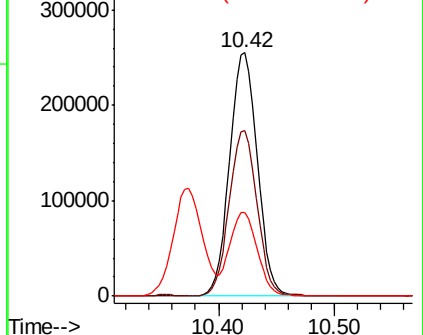


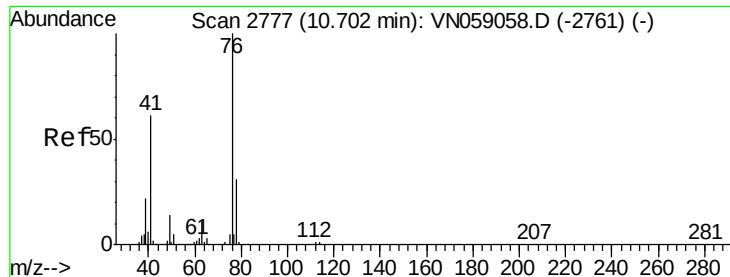
#56
 Ethyl methacrylate
 Concen: 48.978 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion: 69 Resp: 423360
 Ion Ratio Lower Upper
 69 100
 41 67.9 53.8 80.8
 39 33.8 26.2 39.2



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: 53.077 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

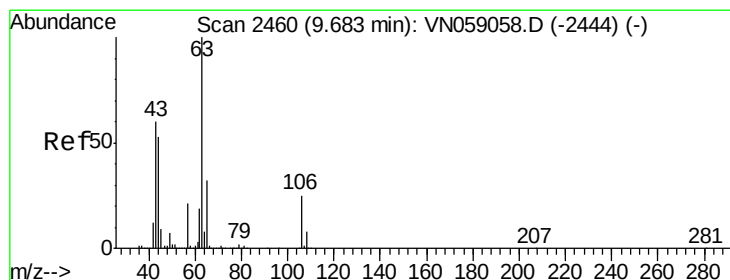
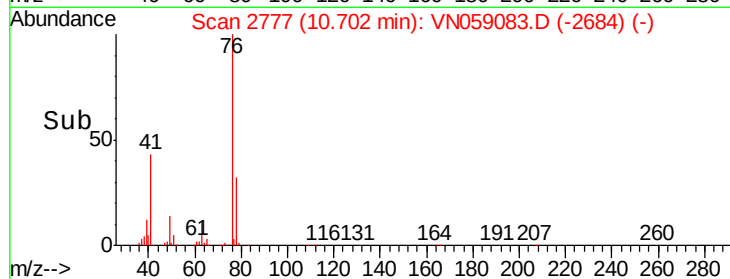
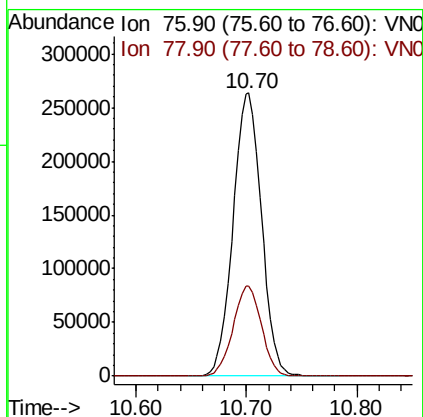
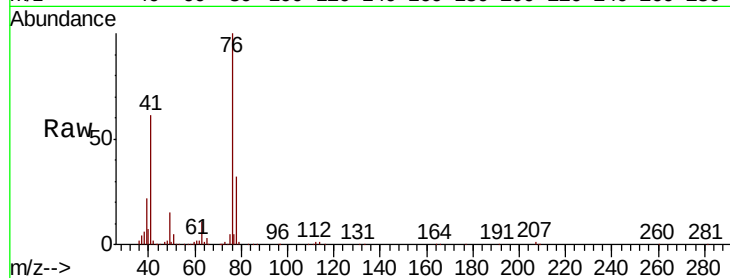
VSTDCCC050

Tot Ion: 76 Resp: 470713

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 250.694 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059083.D

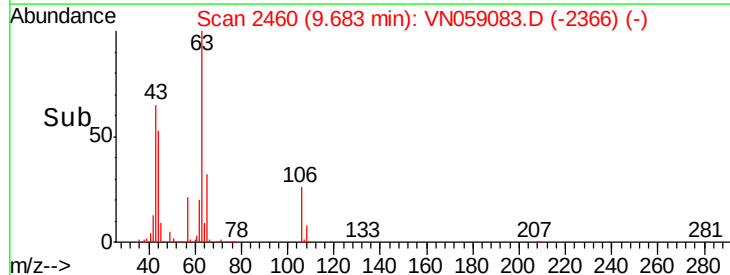
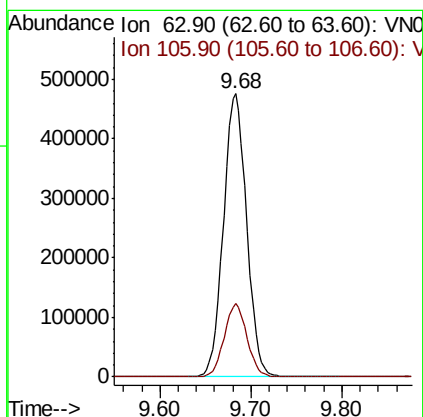
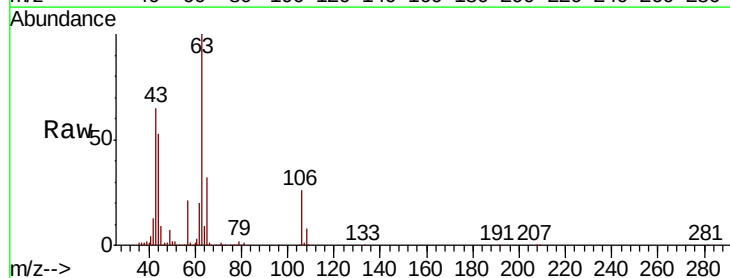
Acq: 5 Nov 2019 10:17

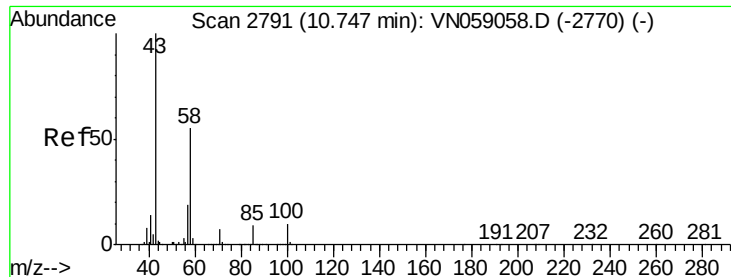
Tgt Ion: 63 Resp: 841442

Ion Ratio Lower Upper

63 100

106 25.3 19.8 29.6

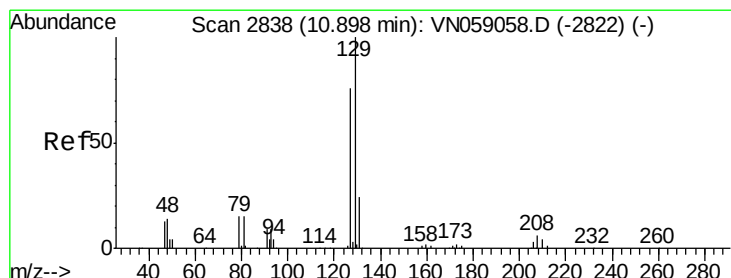
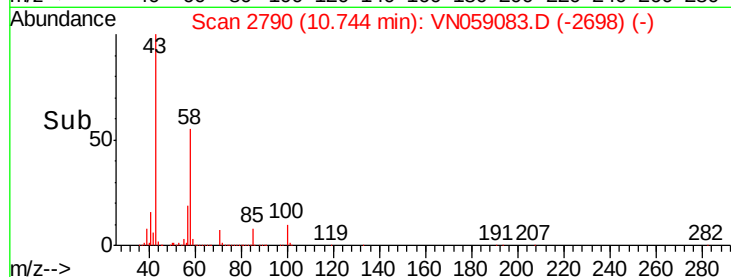
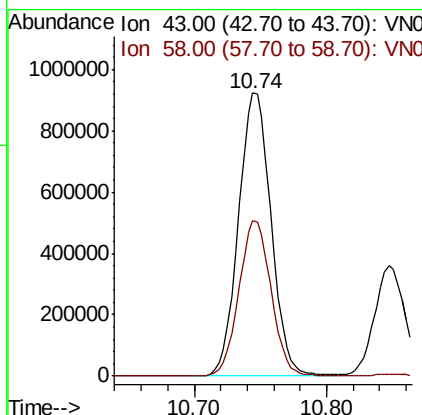
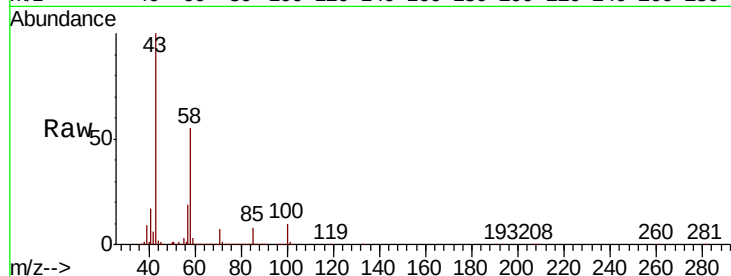




#59
2-Hexanone
Concen: 284.429 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

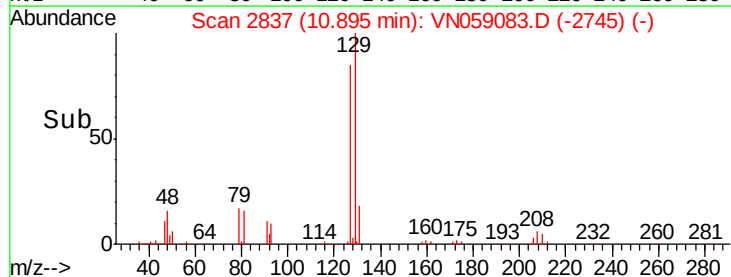
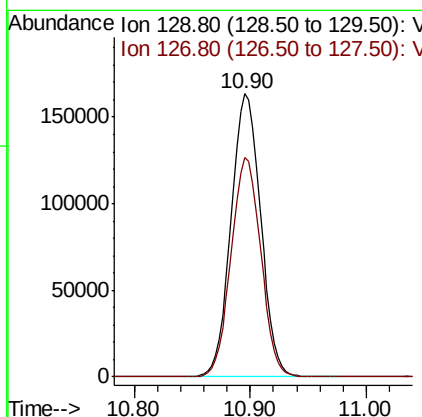
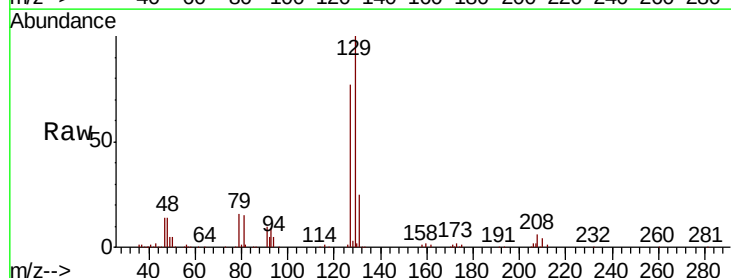
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

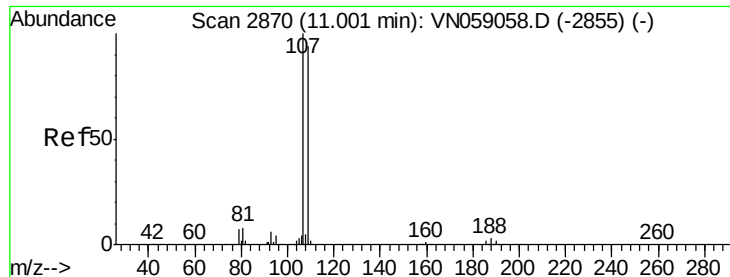
Tot Ion: 43 Resp: 1570143
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2



#60
Dibromochloromethane
Concen: 52.743 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion: 129 Resp: 289856
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.186 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

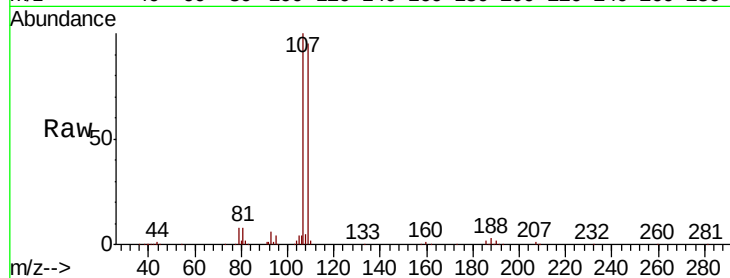
VSTDCCC050

Tot Ion:107 Resp: 274760

Ion Ratio Lower Upper

107 100

109 95.9 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

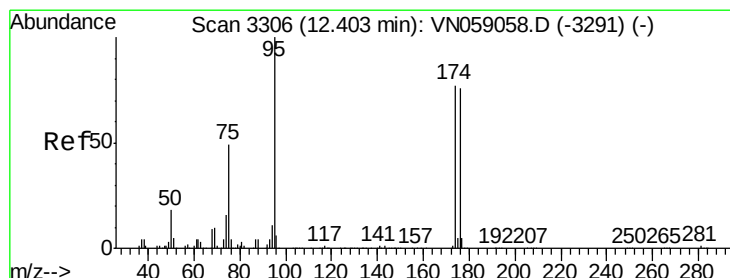
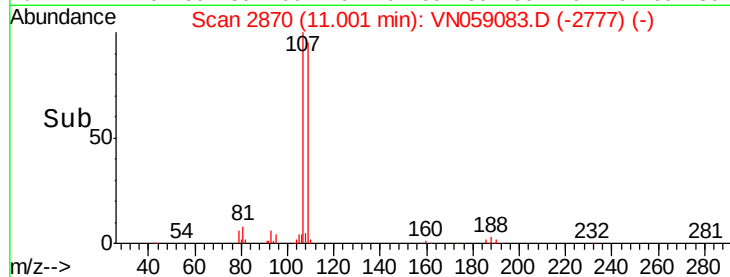
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.164 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

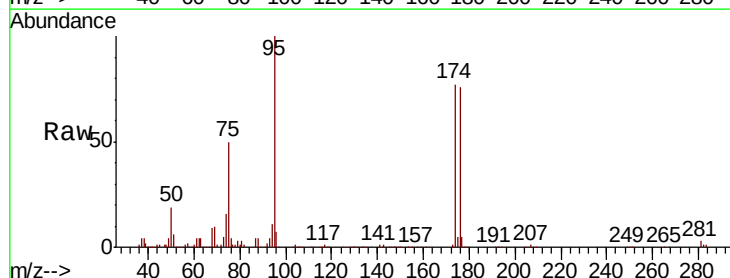
Tgt Ion: 95 Resp: 321518

Ion Ratio Lower Upper

95 100

174 77.3 0.0 155.8

176 74.5 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

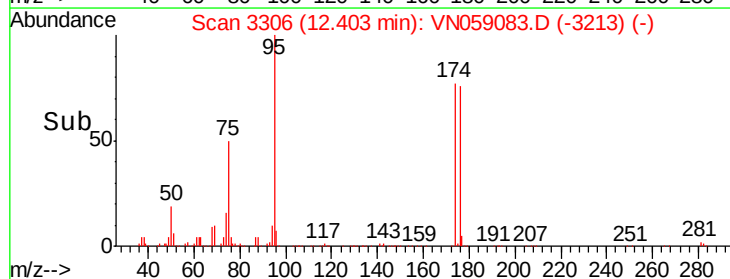
150000

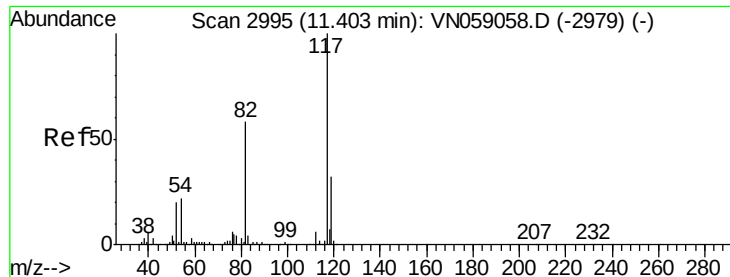
100000

50000

0

Time--> 12.35 12.40 12.45

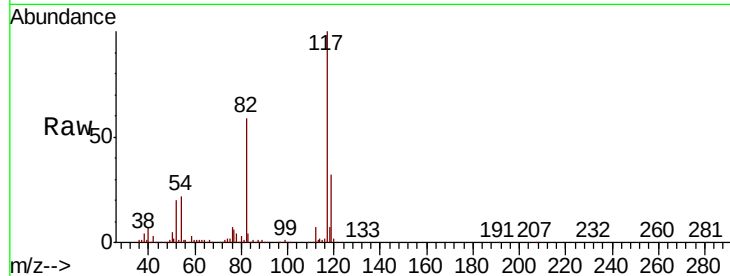




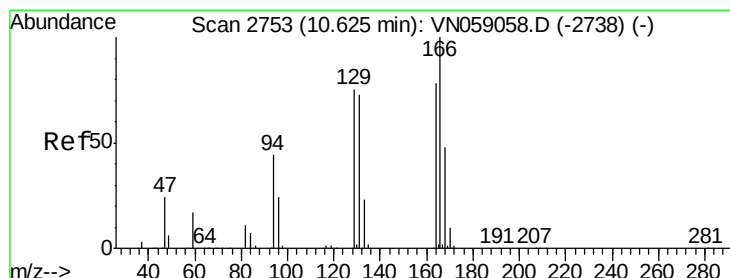
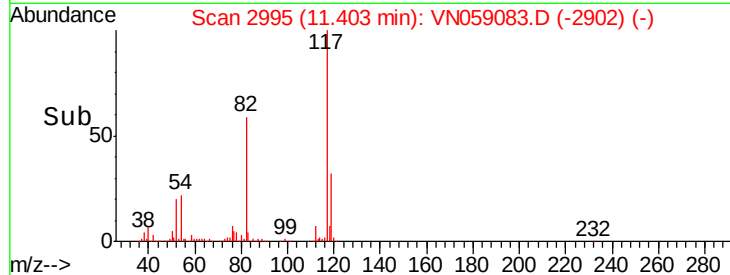
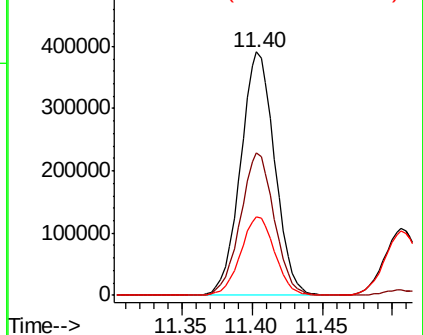
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 662751
Ion Ratio Lower Upper
117 100
82 58.6 46.0 69.0
119 32.2 25.6 38.4

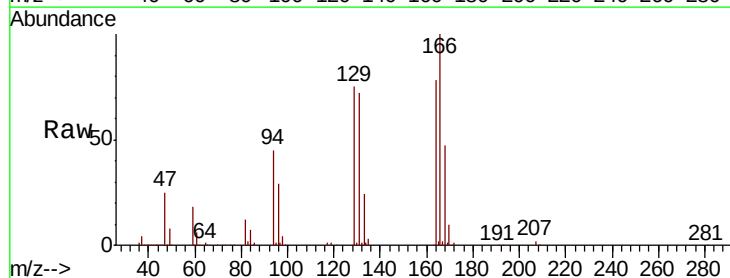


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

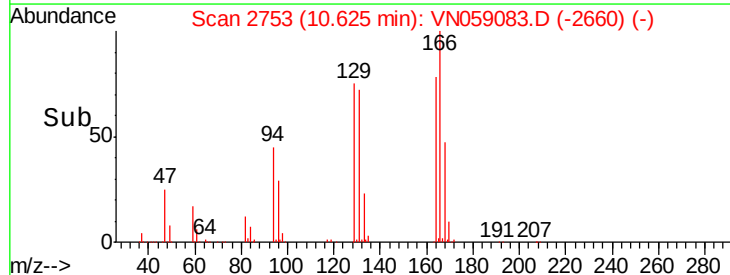
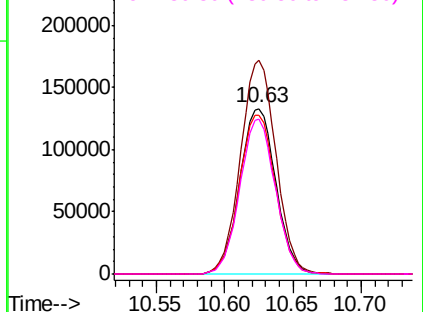


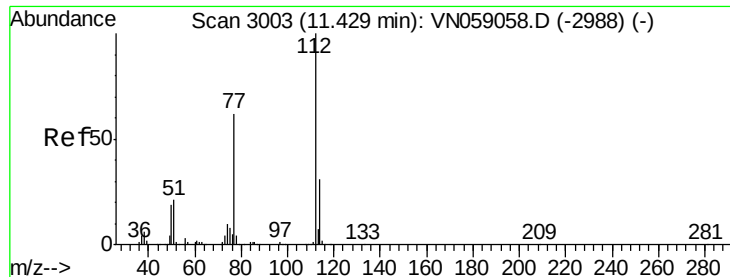
#64
Tetrachloroethene
Concen: 52.806 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion:164 Resp: 244473
Ion Ratio Lower Upper
164 100
166 128.9 102.7 154.1
129 96.1 77.3 115.9
131 93.3 74.8 112.2



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

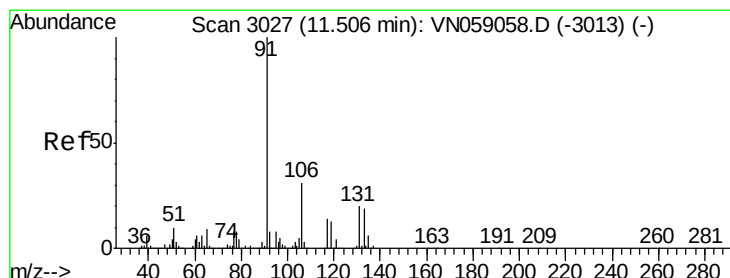
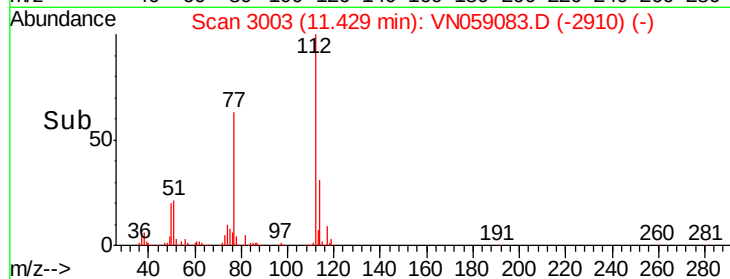
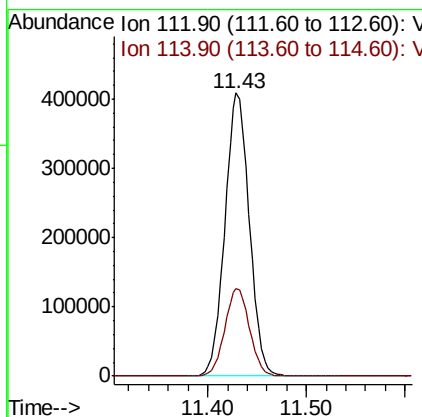
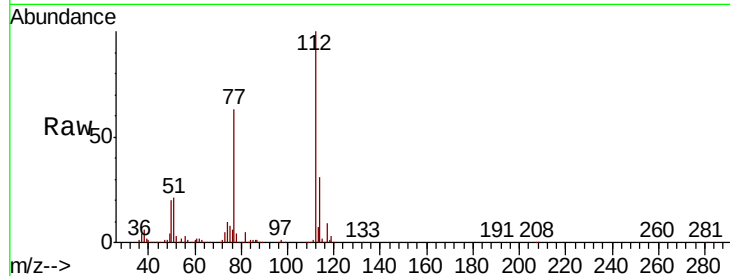




#65
Chlorobenzene
Concen: 52.057 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

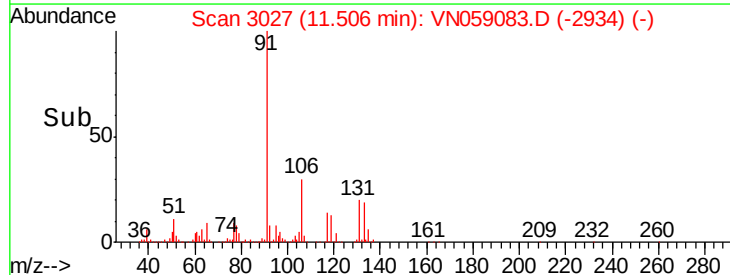
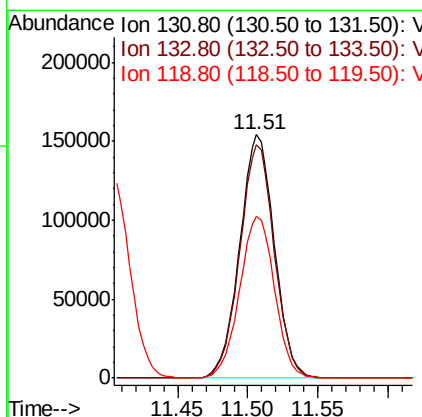
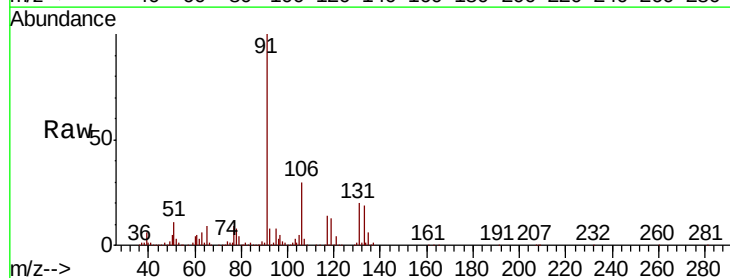
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

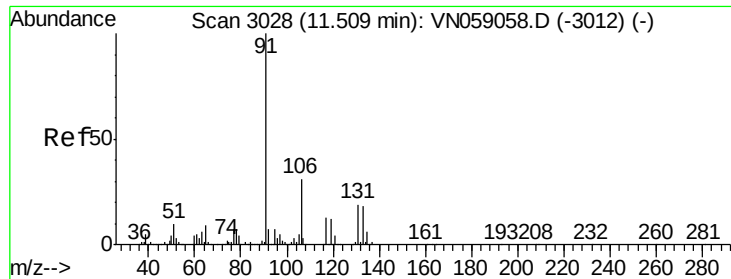
Tot Ion:112 Resp: 708100
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.988 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion:131 Resp: 265176
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 66.7 33.5 100.5





#67

Ethyl Benzene

Concen: 55.359 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

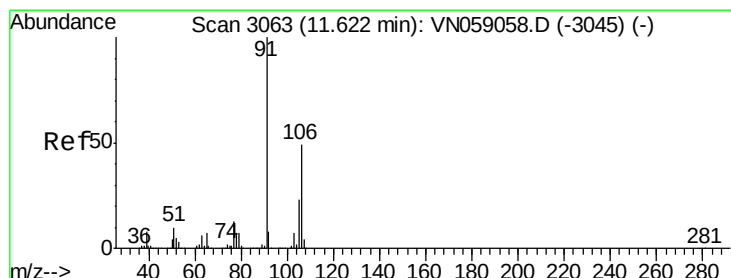
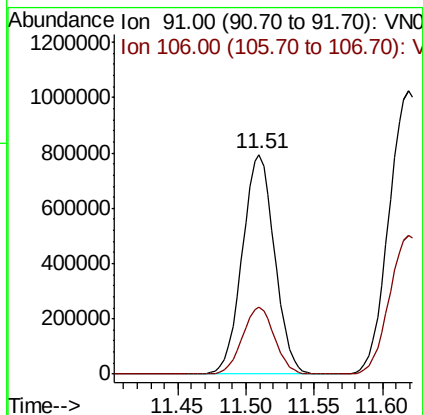
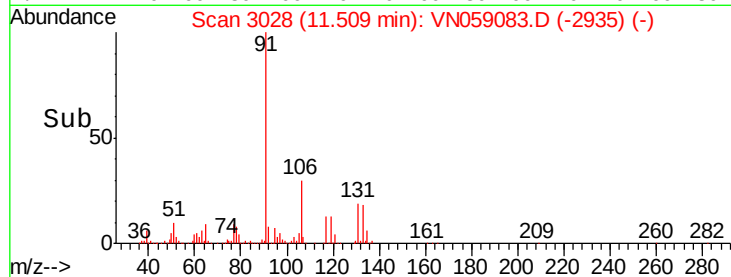
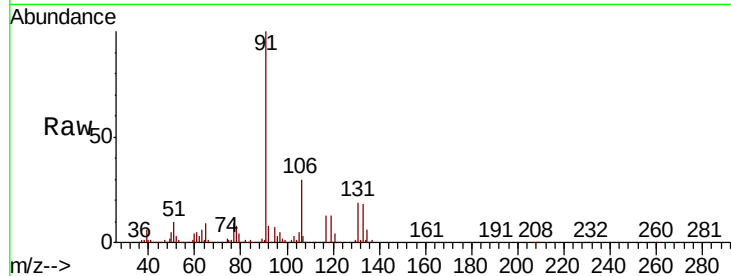
VSTDCCC050

Tot Ion: 91 Resp: 1303536

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



#68

m/p-Xylenes

Concen: 110.513 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059083.D

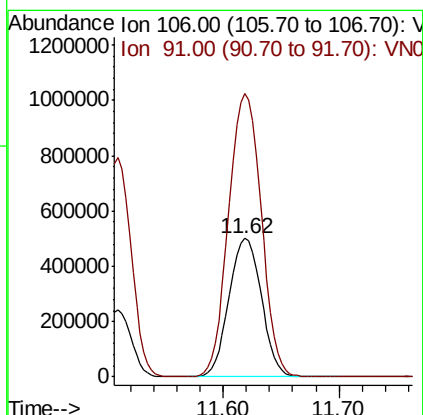
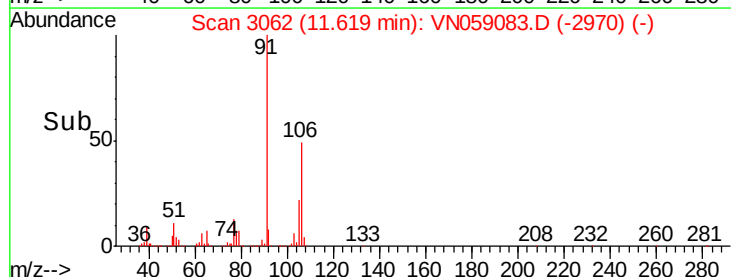
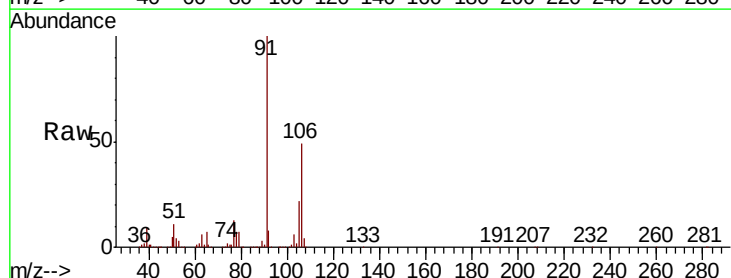
Acq: 5 Nov 2019 10:17

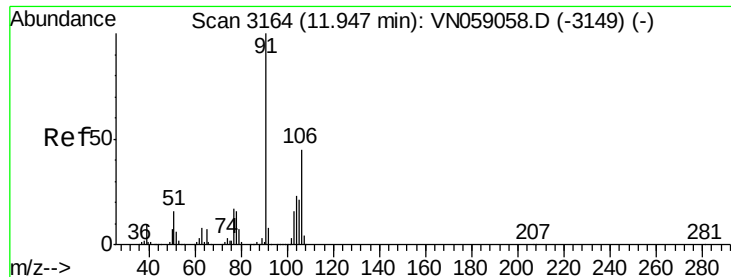
Tgt Ion: 106 Resp: 971714

Ion Ratio Lower Upper

106 100

91 206.2 165.7 248.5

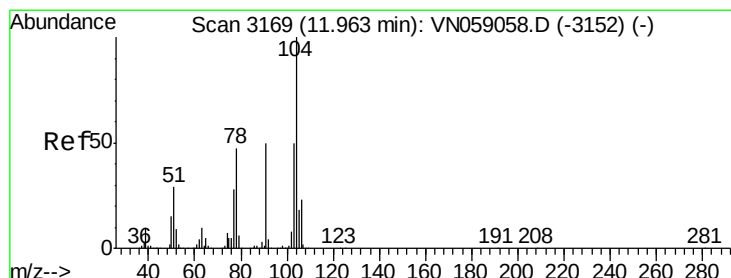
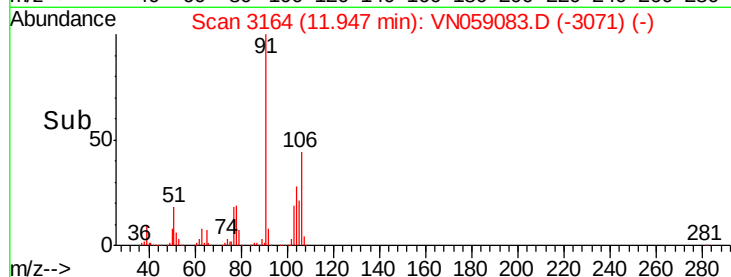
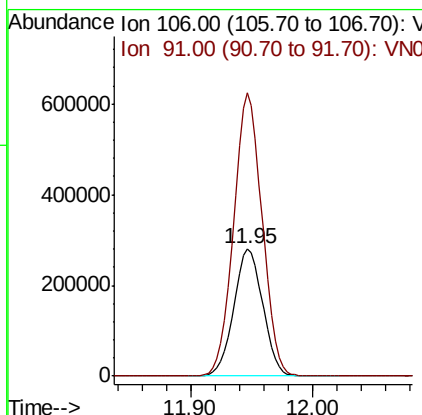
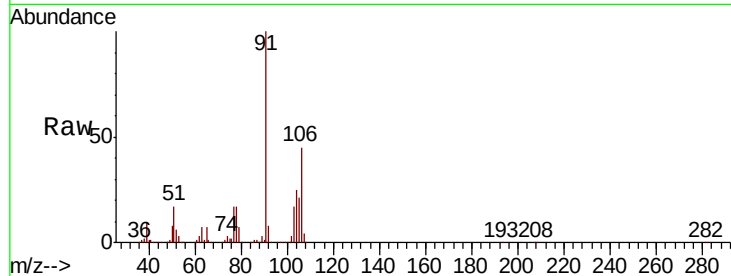




#69
o-Xylene
Concen: 55.074 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

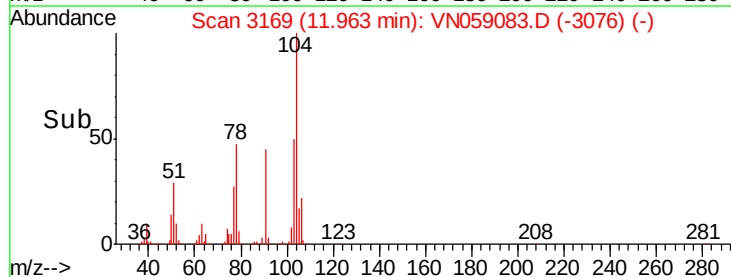
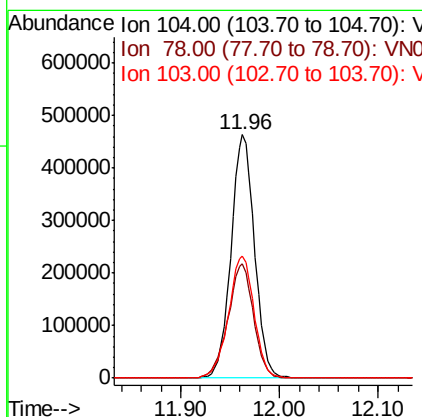
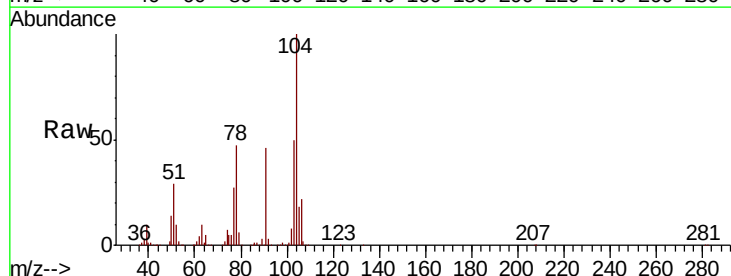
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

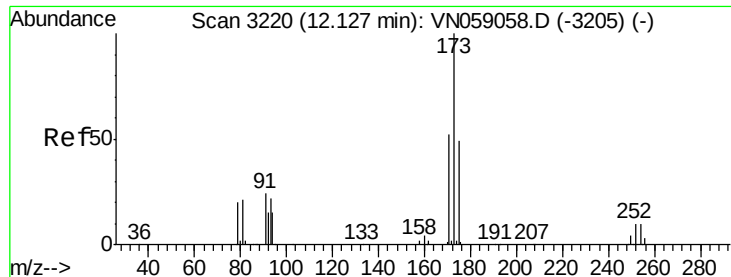
Tot Ion:106 Resp: 462414
Ion Ratio Lower Upper
106 100
91 218.1 110.4 331.2



#70
Styrene
Concen: 56.617 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion:104 Resp: 770337
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 54.5 43.9 65.9





#71

Bromoform

Concen: 54.557 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

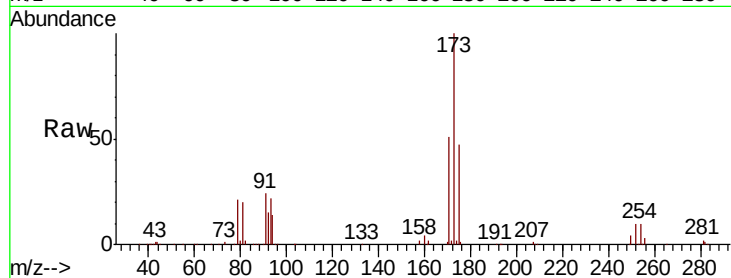
Tot Ion:173 Resp: 211333

Ion Ratio Lower Upper

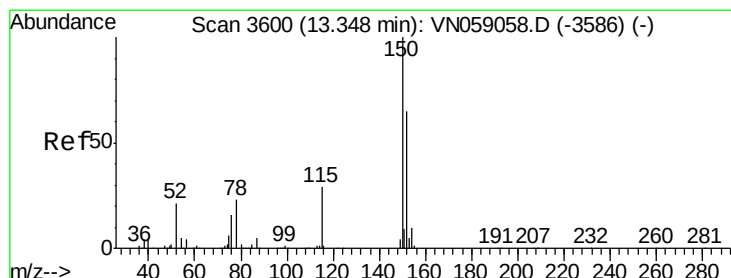
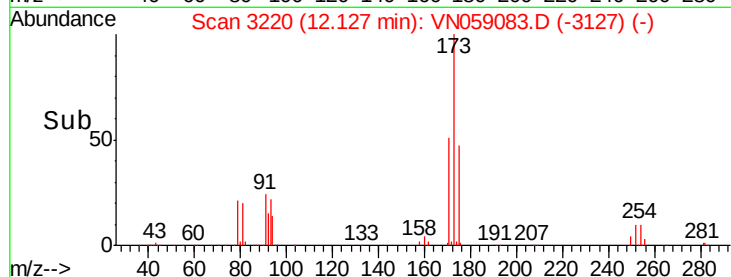
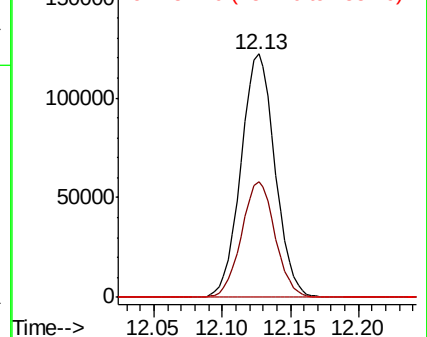
173 100

175 46.9 24.4 73.2

254 0.1 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

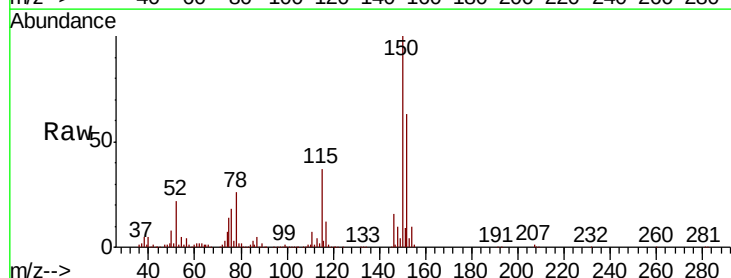
Tgt Ion:152 Resp: 315525

Ion Ratio Lower Upper

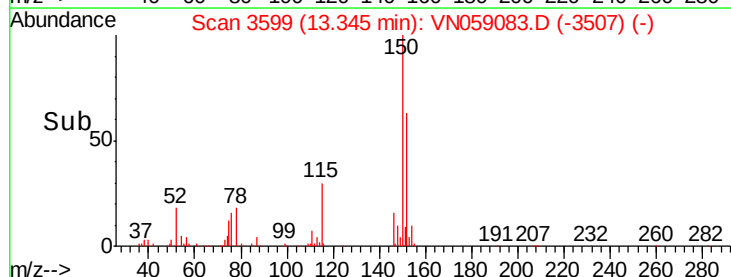
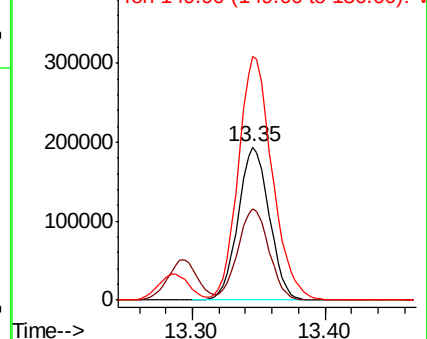
152 100

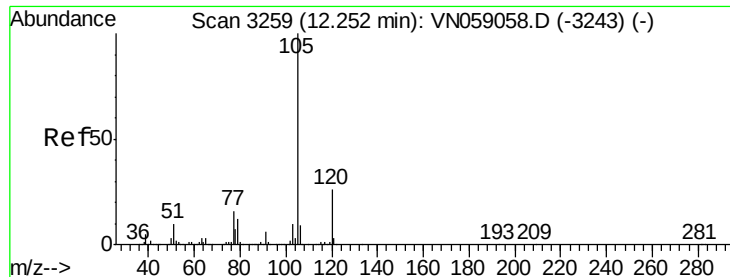
115 59.6 29.6 88.9

150 173.2 0.0 345.8



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: 53.877 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

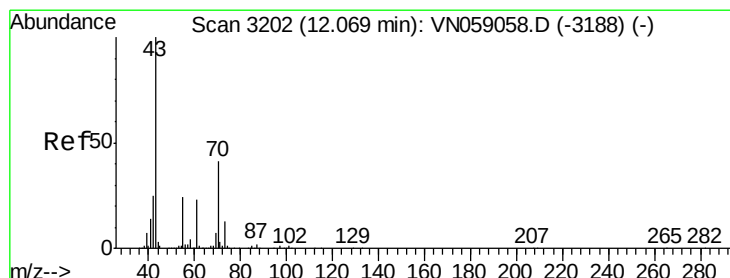
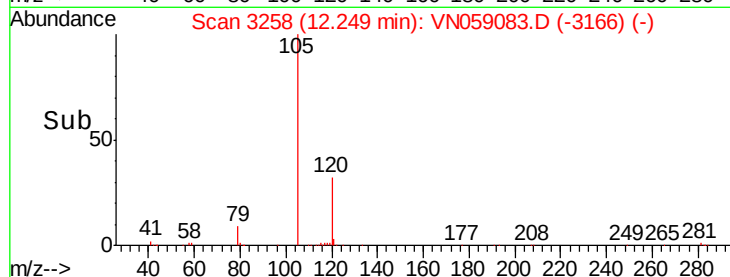
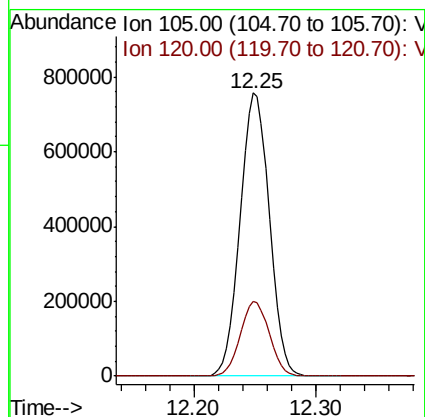
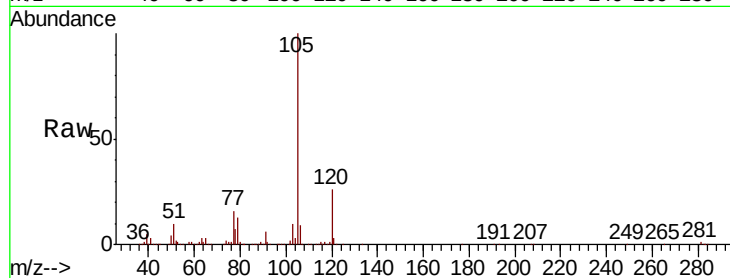
VSTDCCC050

Tot Ion:105 Resp: 1250599

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 52.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Tgt Ion: 43 Resp: 543164

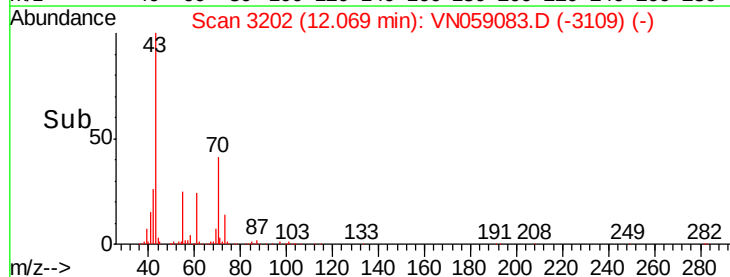
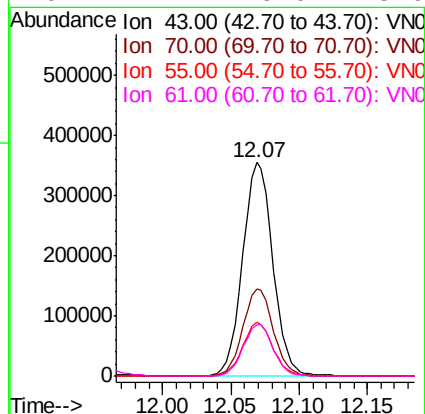
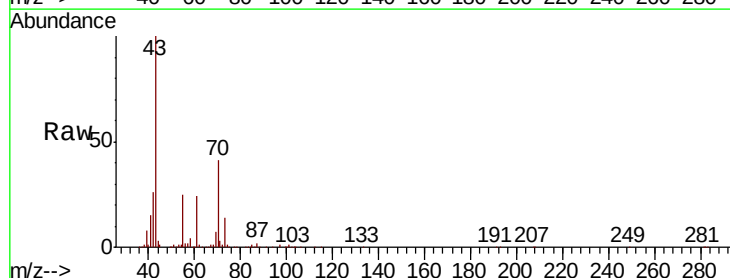
Ion Ratio Lower Upper

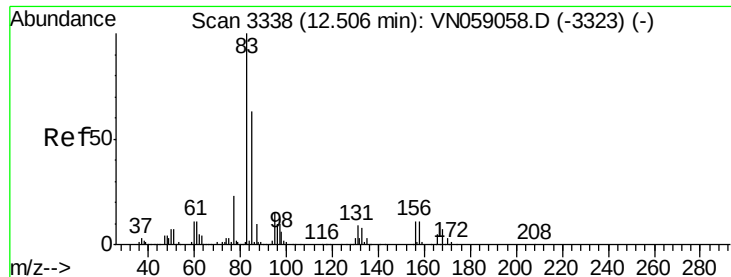
43 100

70 41.2 32.6 49.0

55 25.2 19.7 29.5

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.503 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

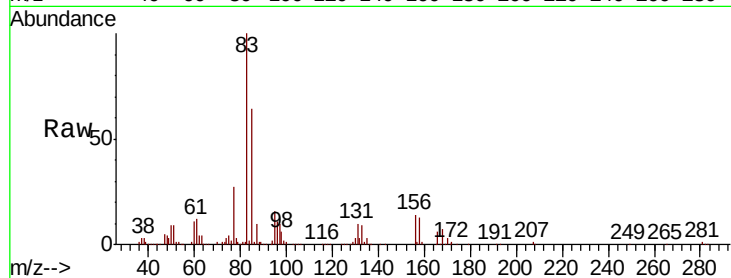
Tot Ion: 83 Resp: 409325

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059083.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059083.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059083.D (-3323) (-)

12.51

250000

200000

150000

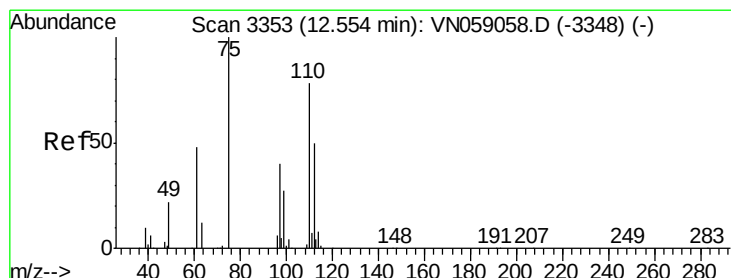
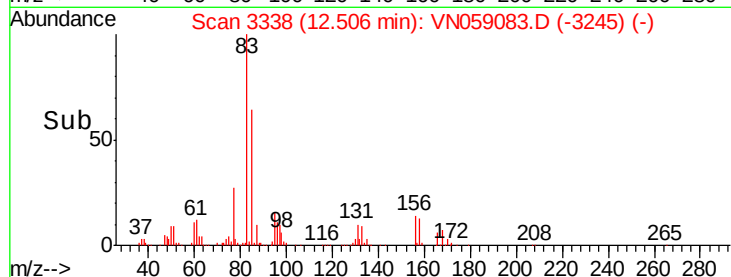
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.705 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059083.D

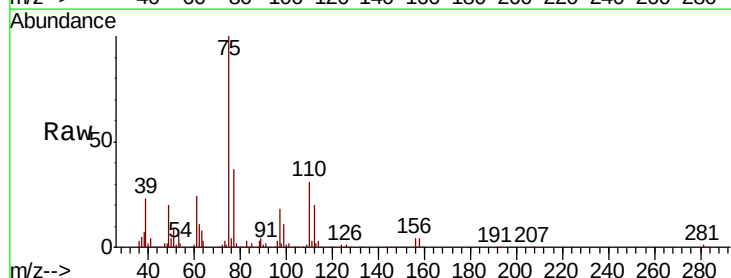
Acq: 5 Nov 2019 10:17

Tgt Ion: 75 Resp: 550322

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059083.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059083.D (-3353) (-)

12.55

300000

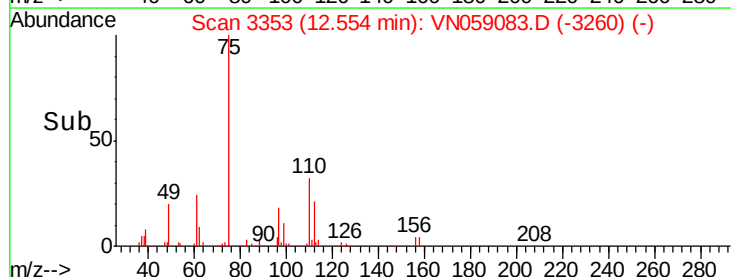
200000

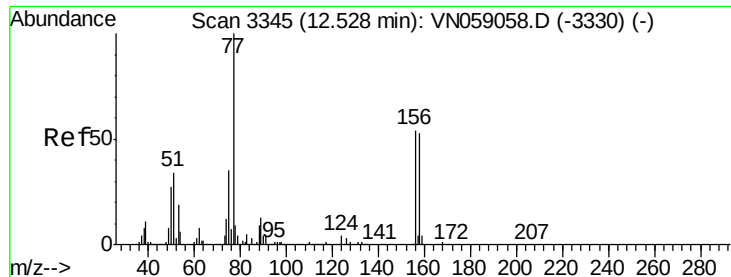
100000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 51.020 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

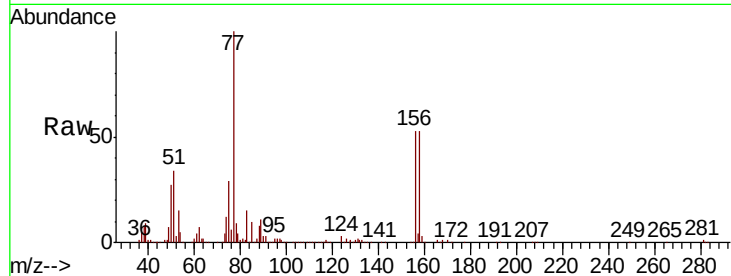
Tot Ion:156 Resp: 296120

Ion Ratio Lower Upper

156 100

77 228.8 114.2 342.6

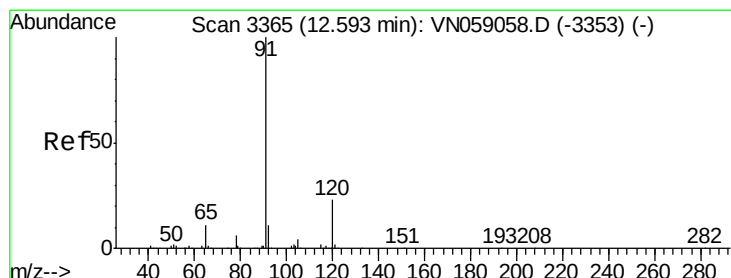
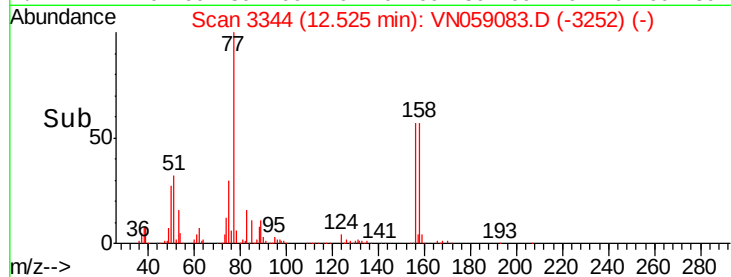
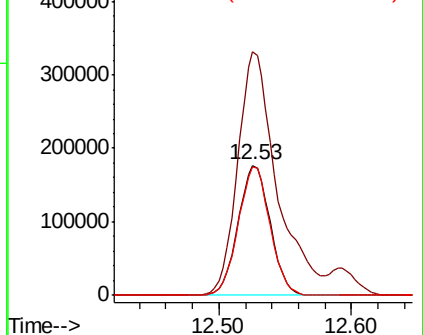
158 98.2 49.6 149.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.614 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059083.D

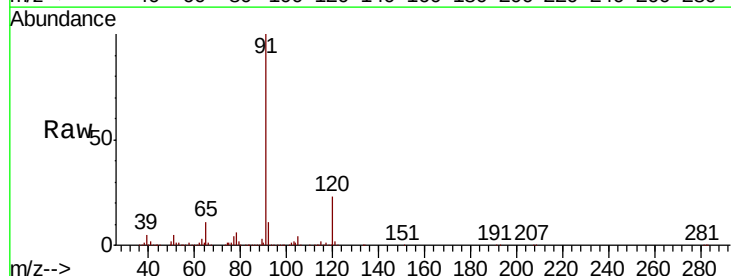
Acq: 5 Nov 2019 10:17

Tgt Ion: 91 Resp: 1468259

Ion Ratio Lower Upper

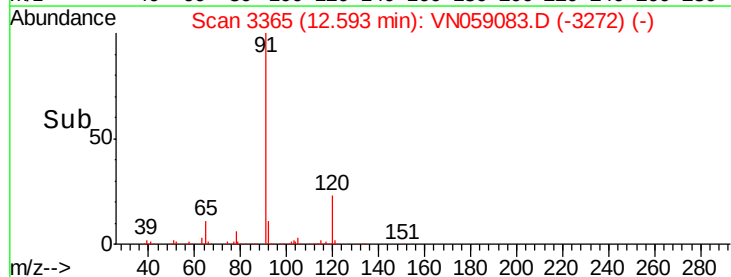
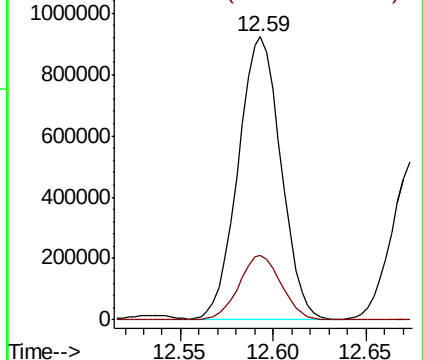
91 100

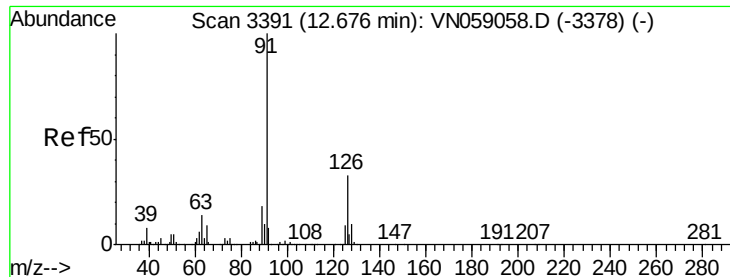
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.492 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

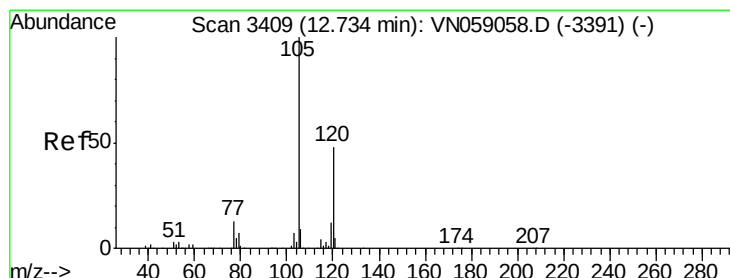
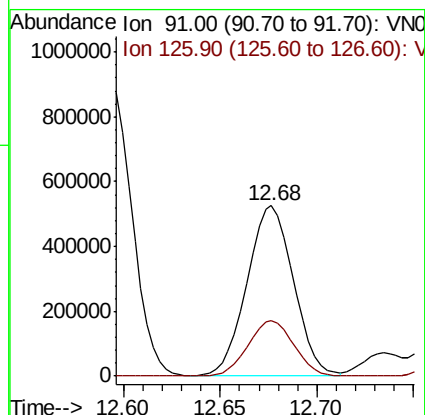
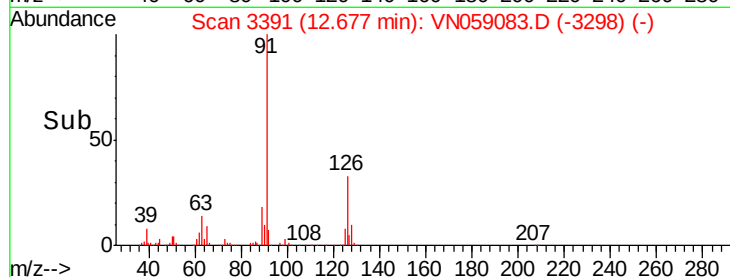
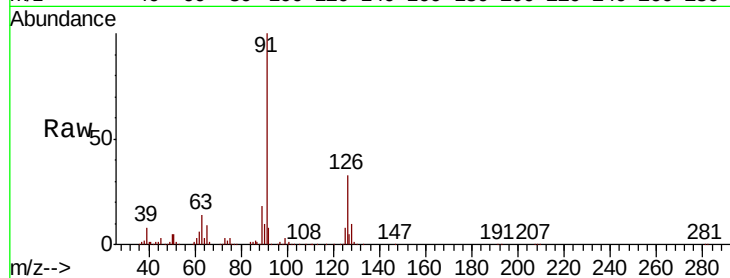
VSTDCCC050

Tot Ion: 91 Resp: 876278

Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 54.054 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059083.D

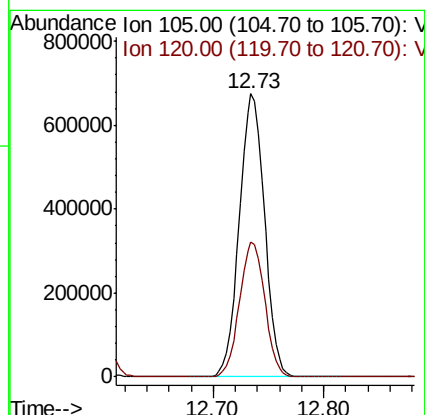
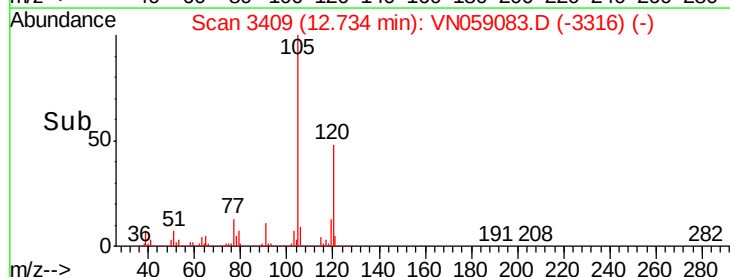
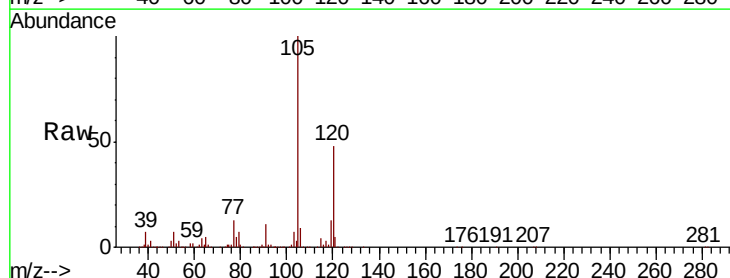
Acq: 5 Nov 2019 10:17

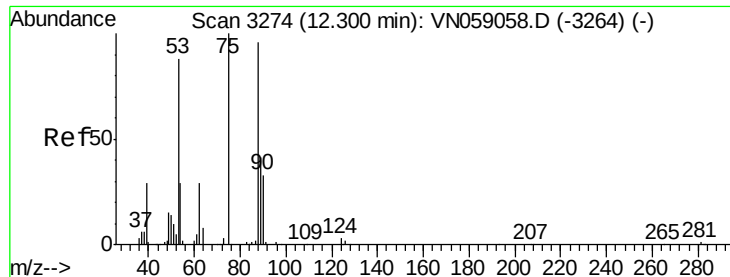
Tgt Ion: 105 Resp: 1066371

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.510 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

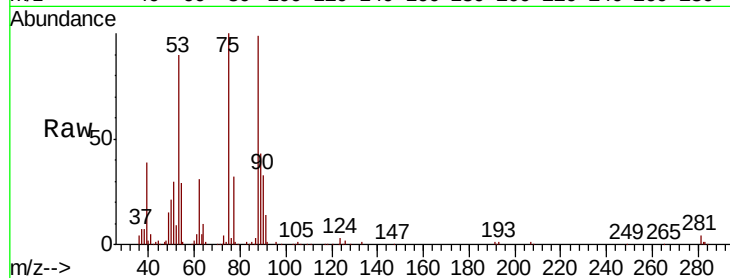
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 147118

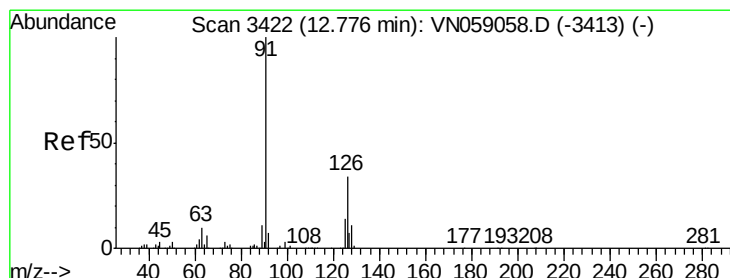
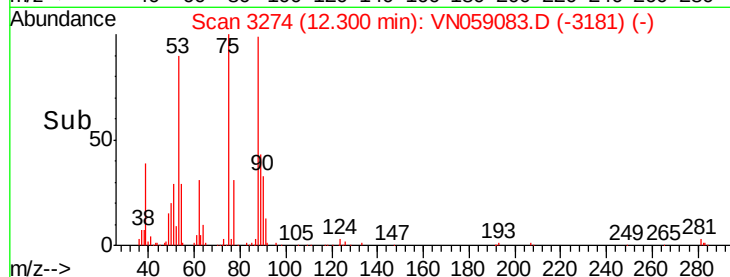
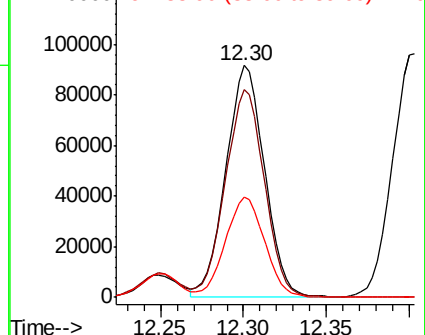
Ion	Ratio	Lower	Upper
75	100		
53	92.2	70.4	105.6
89	44.3	34.2	51.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.434 ug/l

RT: 12.78 min Scan# 3422

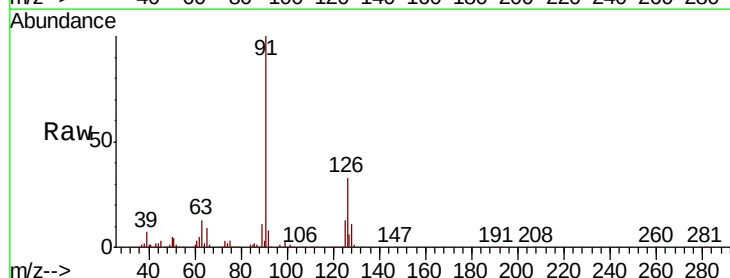
Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

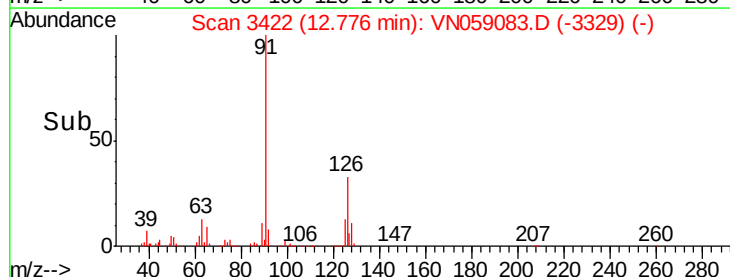
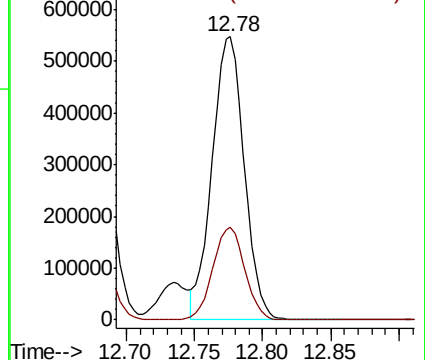
Tgt Ion: 91 Resp: 893307

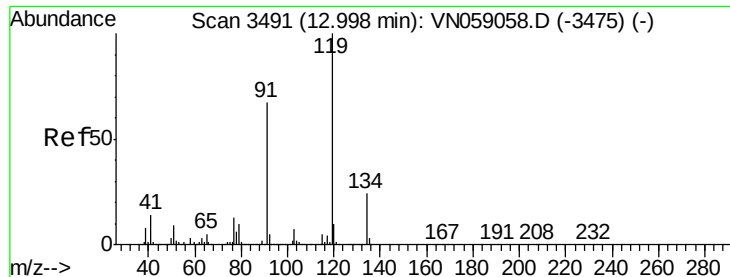
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.0	47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

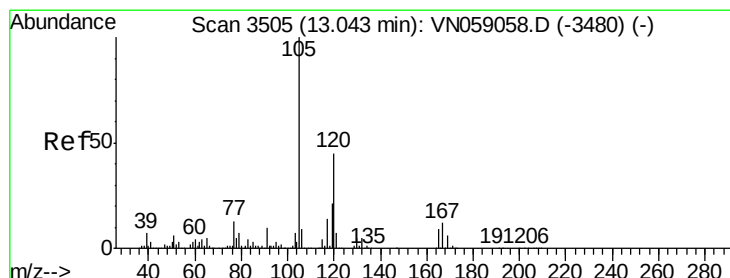
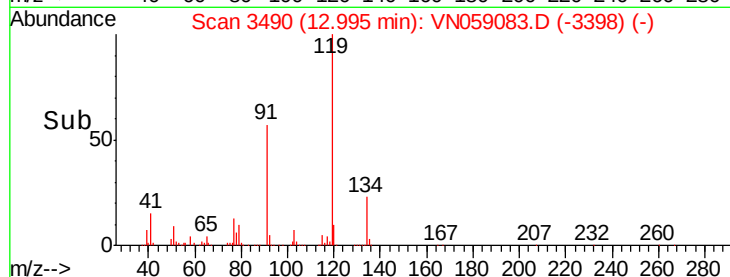
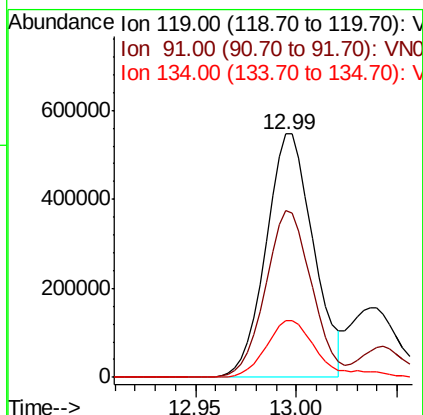
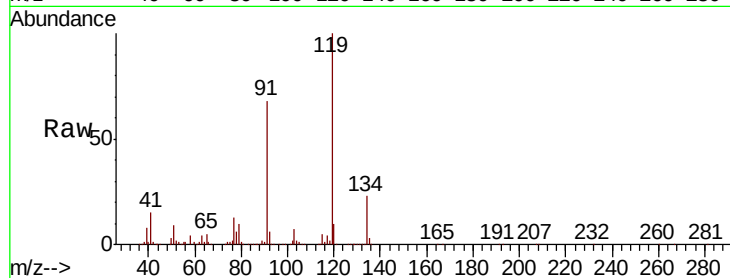




#83
 tert-Butylbenzene
 Concen: 53.168 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

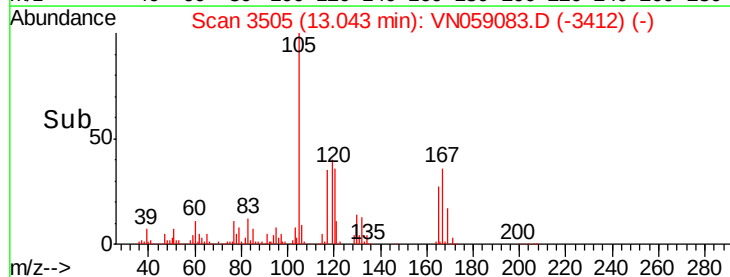
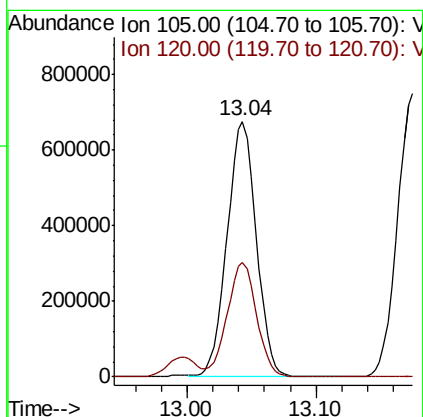
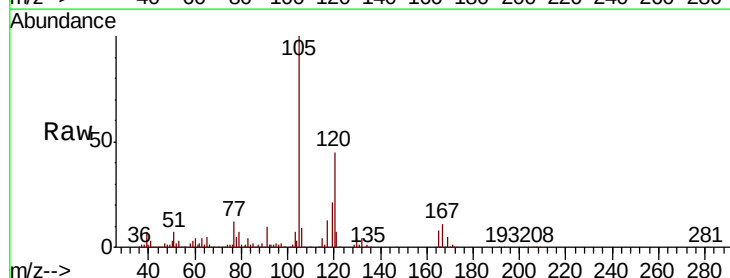
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

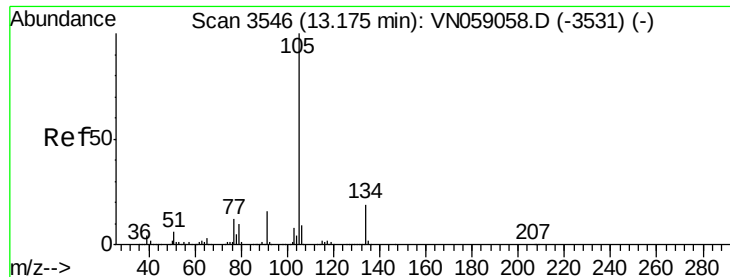
Tot Ion:119 Resp: 891018
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.7 101.0
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 55.340 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion:105 Resp: 1060829
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 54.956 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

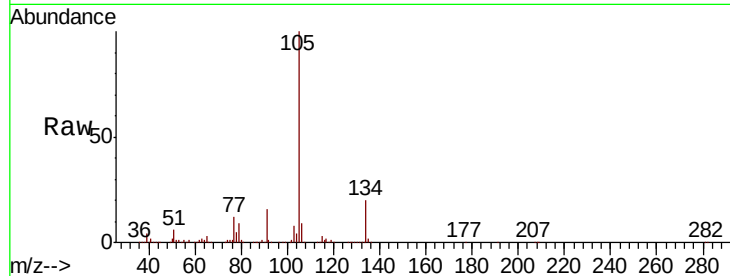
VSTDCCC050

Tot Ion:105 Resp: 1207067

Ion Ratio Lower Upper

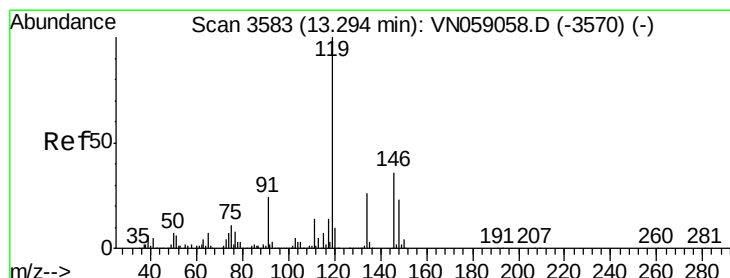
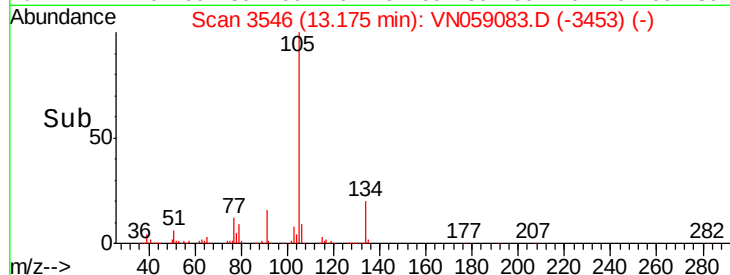
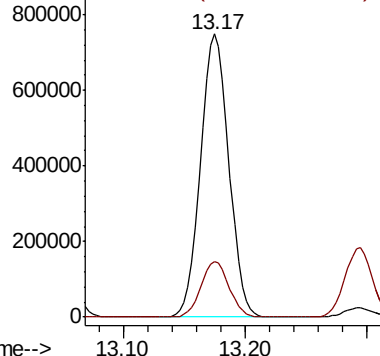
105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.706 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

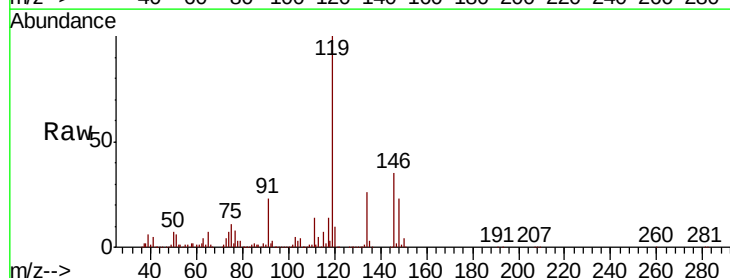
Tgt Ion:119 Resp: 1103081

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

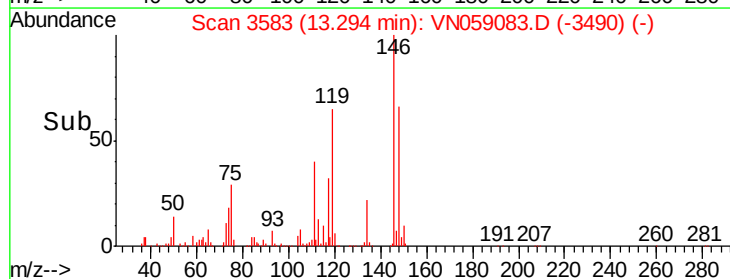
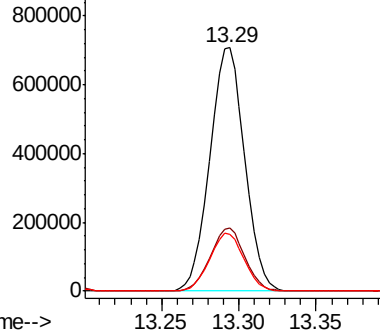
91 23.3 12.0 36.0

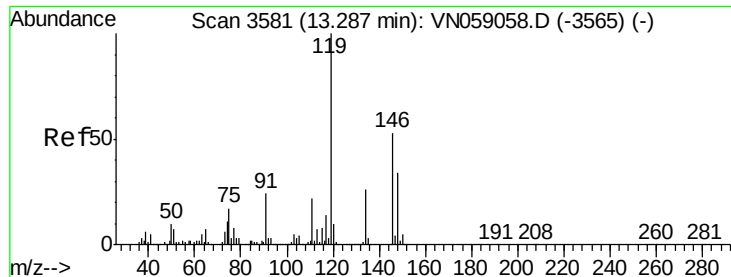


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

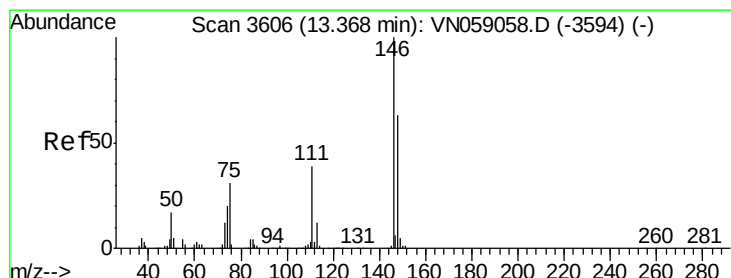
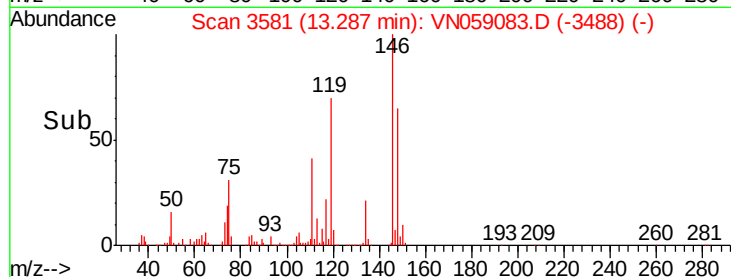
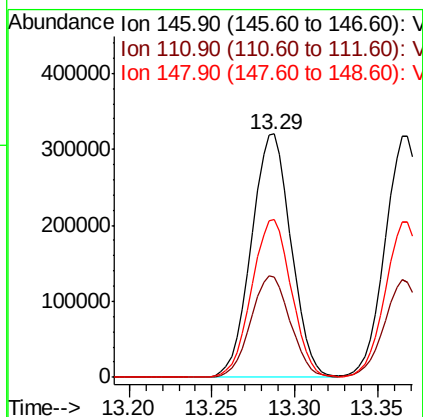
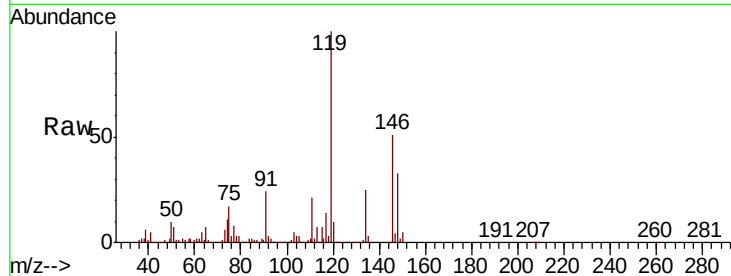




#87
 1,3-Dichlorobenzene
 Concen: 51.665 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

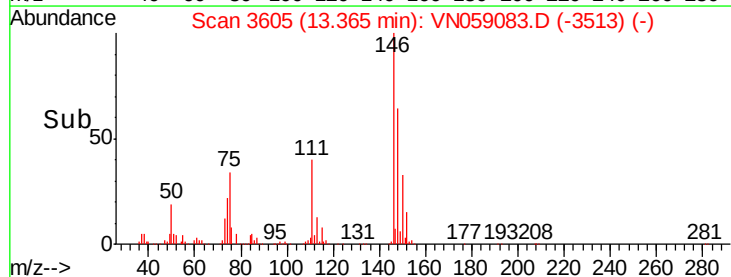
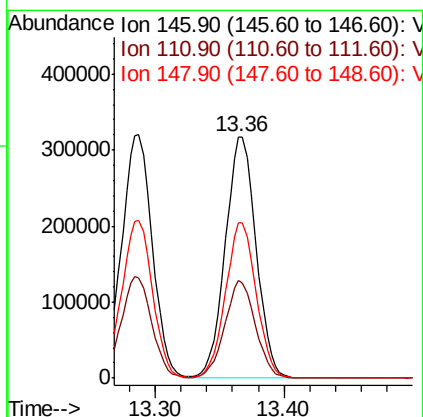
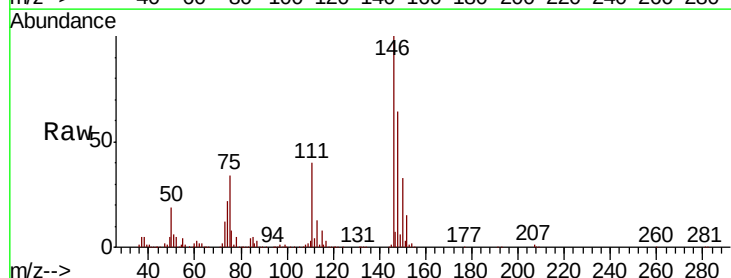
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

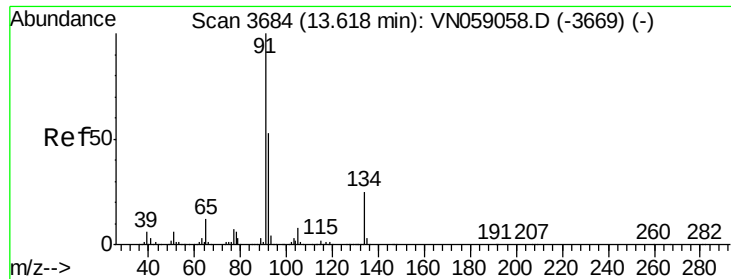
Tot Ion:146 Resp: 532788
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 64.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 51.405 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion:146 Resp: 524367
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.1 60.2
 148 64.5 31.9 95.7





#89

n-Butylbenzene

Concen: 55.636 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

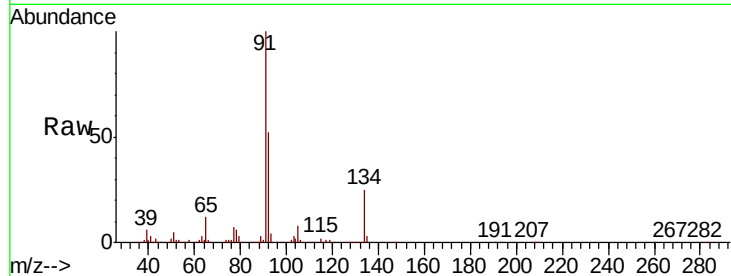
Tot Ion: 91 Resp: 959973

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.0

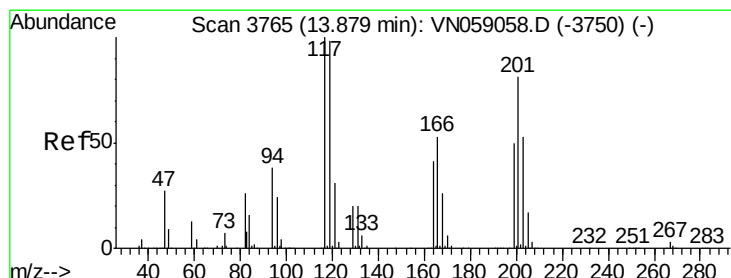
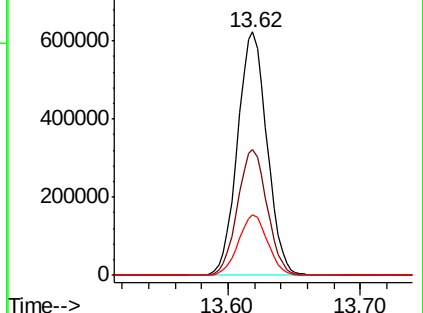
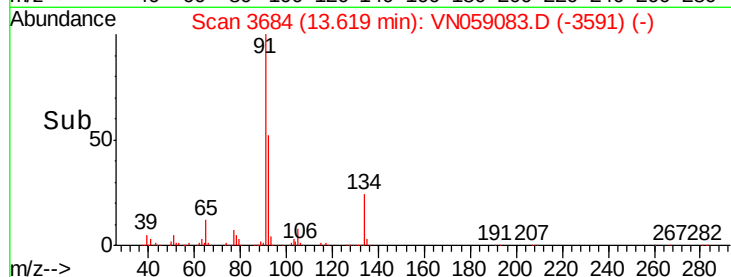
134 24.8 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VN059083.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059083.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059083.D (-3669) (-)



#90

Hexachloroethane

Concen: 50.927 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059083.D

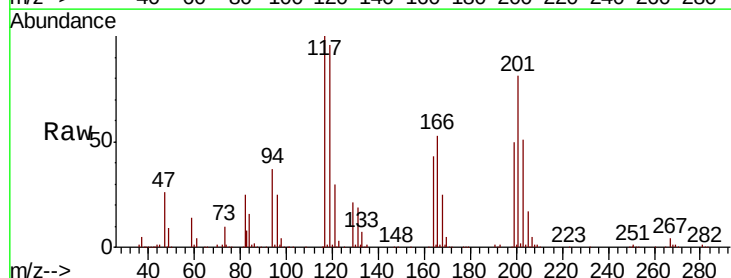
Acq: 5 Nov 2019 10:17

Tgt Ion: 117 Resp: 200462

Ion Ratio Lower Upper

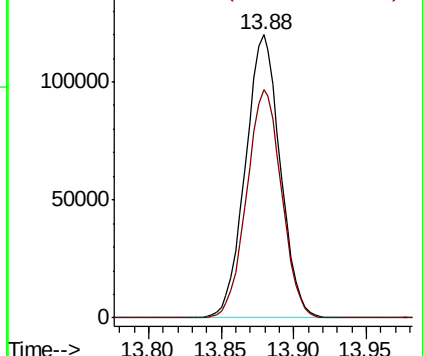
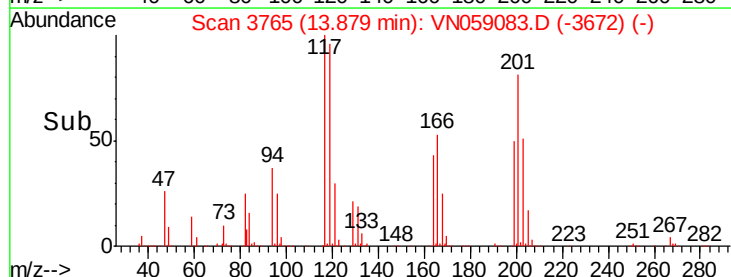
117 100

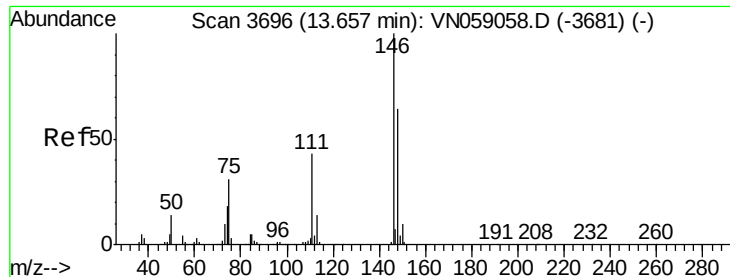
201 81.0 40.7 122.1



Abundance Ion 116.80 (116.50 to 117.50): VN059083.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059083.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 50.981 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

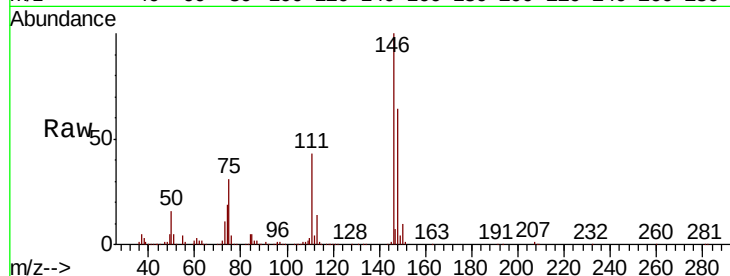
Tot Ion:146 Resp: 523119

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

148 63.4 32.1 96.3



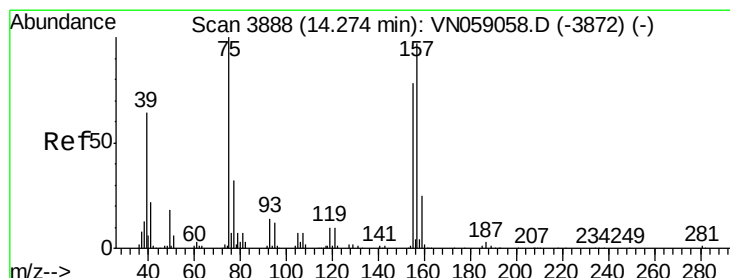
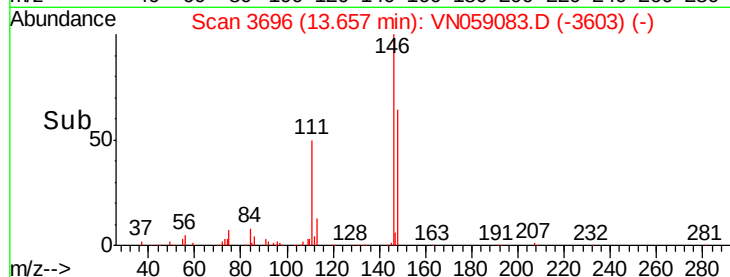
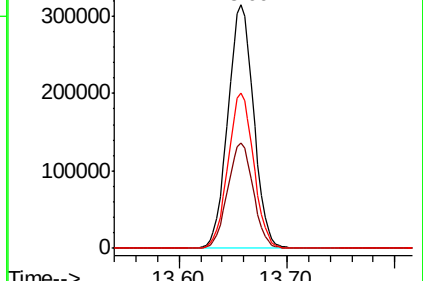
Abundance

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

13.66



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.075 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059083.D

Acq: 5 Nov 2019 10:17

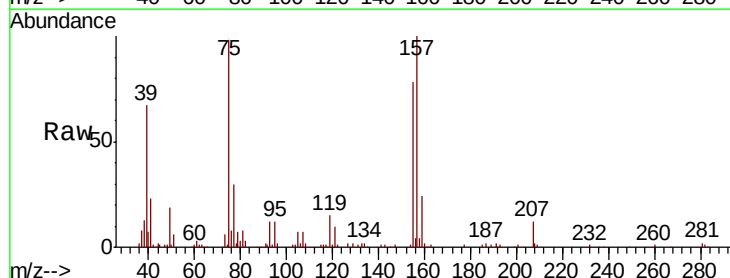
Tgt Ion: 75 Resp: 82292

Ion Ratio Lower Upper

75 100

155 80.0 39.7 119.1

157 101.6 51.0 153.0



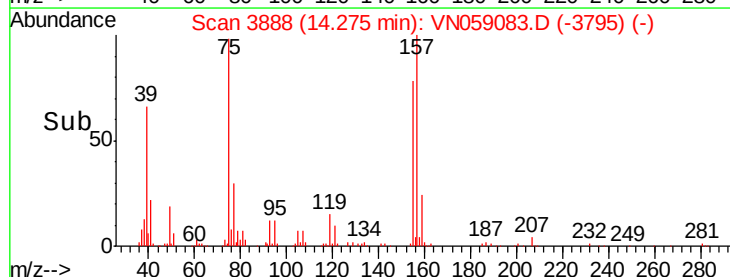
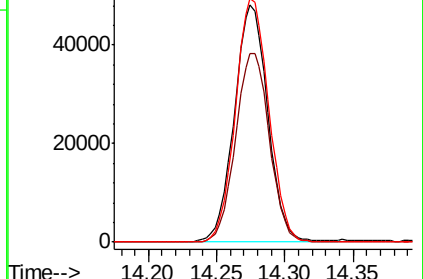
Abundance

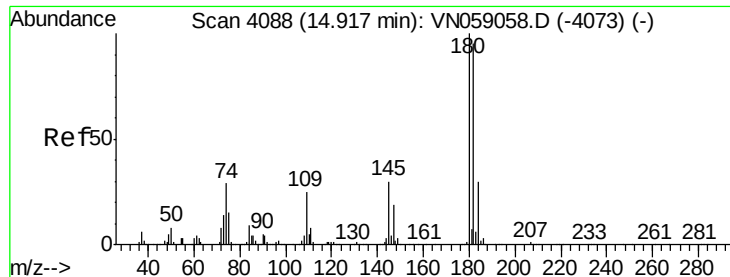
Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.27

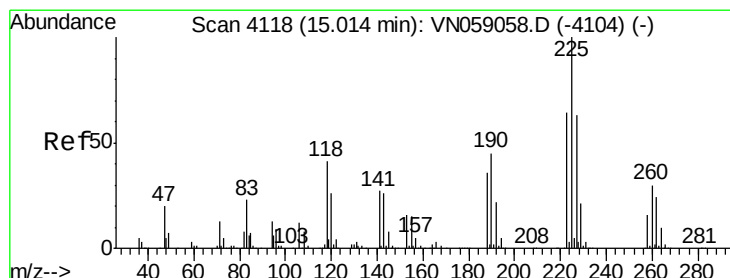
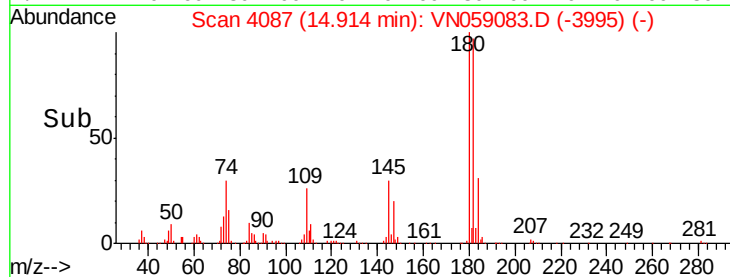
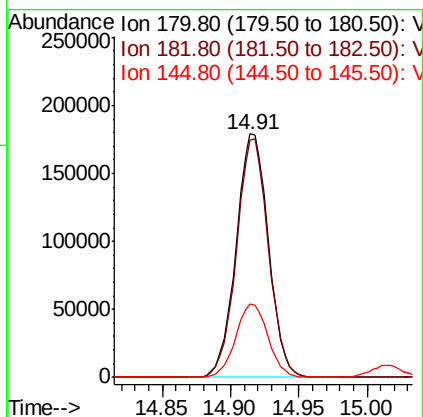
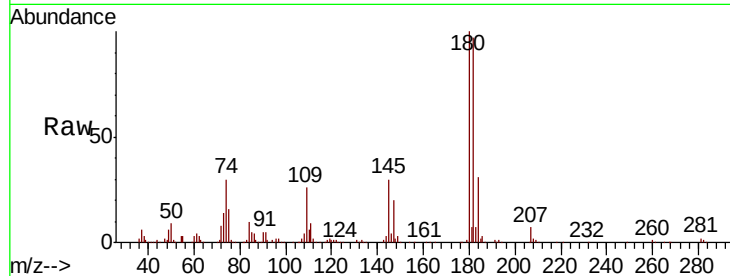




#93
 1,2,4-Trichlorobenzene
 Concen: 53.060 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

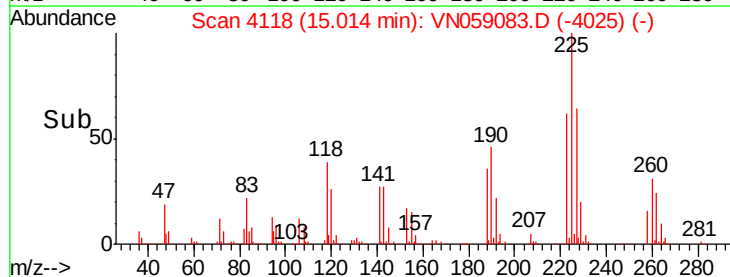
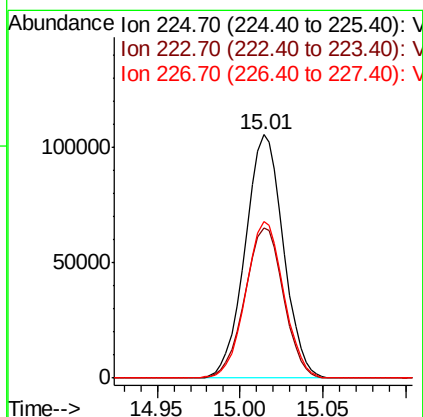
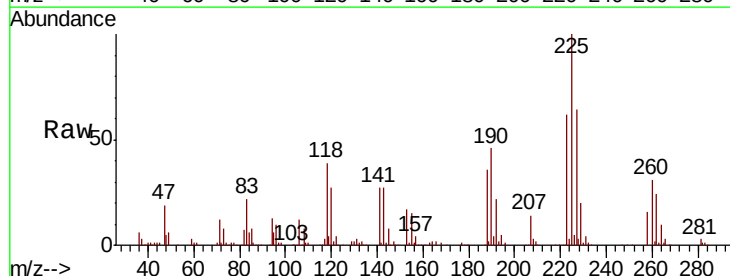
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

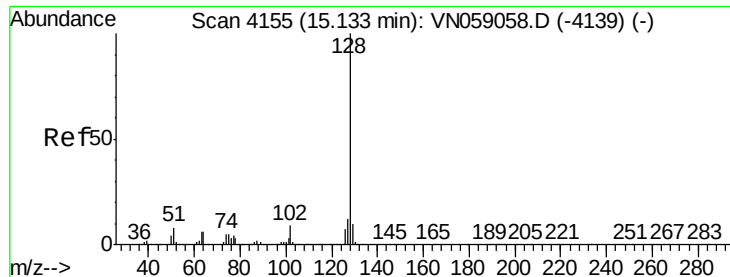
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.4
145	30.3	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 50.708 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059083.D
 Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.6	95.0
227	64.0	31.9	95.7

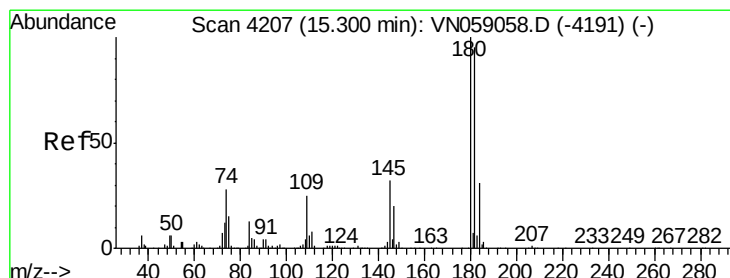
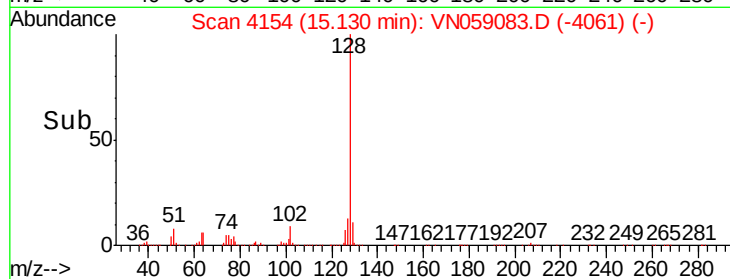
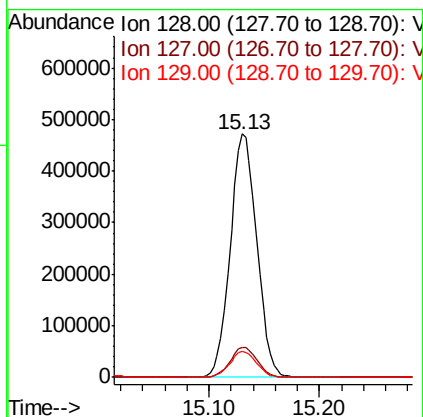
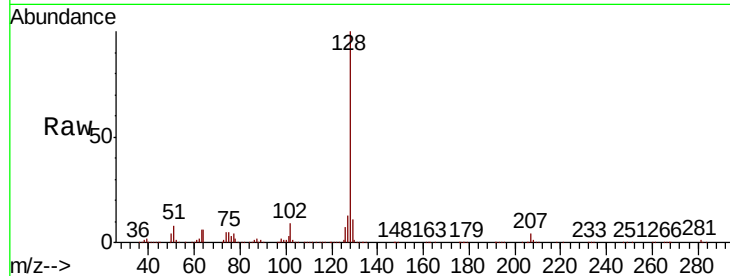




#95
Naphthalene
Concen: 45.879 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	10.7	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 51.099 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059083.D
Acq: 5 Nov 2019 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	31.5	16.0	48.0

