

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091519\
 Data File : VN058076.D
 Acq On : 15 Sep 2019 8:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 03:37:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	372660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	591655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	349155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	386998	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.57	113	280580	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.09	98	1113797	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.40	95	418907	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	261295	50.700	ug/l 100
3) Chloromethane	2.04	50	215196	40.968	ug/l 99
4) Vinyl Chloride	2.17	62	224003	40.293	ug/l 99
5) Bromomethane	2.54	94	137774	44.944	ug/l 100
6) Chloroethane	2.68	64	140437	39.643	ug/l 98
7) Trichlorofluoromethane	3.00	101	311474	44.521	ug/l 99
8) Diethyl Ether	3.39	74	141517	48.498	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	221931	50.286	ug/l 98
10) Methyl Iodide	3.93	142	225286	45.872	ug/l 99
11) Tert butyl alcohol	4.76	59	205183	224.602	ug/l 99
12) 1,1-Dichloroethene	3.72	96	184763	46.561	ug/l 95
13) Acrolein	3.59	56	99438	128.300	ug/l 99
14) Allyl chloride	4.30	41	373593	48.108	ug/l 99
15) Acrylonitrile	4.96	53	641529	255.492	ug/l 99
16) Acetone	3.79	43	663320	268.078	ug/l 98
17) Carbon Disulfide	4.03	76	266372	43.152	ug/l 98
18) Methyl Acetate	4.30	43	351059	53.212	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	854504	51.744	ug/l 100
20) Methylene Chloride	4.53	84	248317	52.785	ug/l 96
21) trans-1,2-Dichloroethene	5.02	96	202068	47.106	ug/l 96
22) Diisopropyl ether	5.93	45	950551	52.196	ug/l 99
23) Vinyl Acetate	5.87	43	3477941	269.474	ug/l 99
24) 1,1-Dichloroethane	5.82	63	500699	50.306	ug/l 99
25) 2-Butanone	6.81	43	911889	254.628	ug/l 100
26) 2,2-Dichloropropane	6.81	77	418293	53.106	ug/l 98
27) cis-1,2-Dichloroethene	6.81	96	285412	49.649	ug/l 97
28) Bromochloromethane	7.18	49	260159	52.321	ug/l 98
29) Tetrahydrofuran	7.19	42	546755	247.761	ug/l 100
30) Chloroform	7.36	83	530784	51.004	ug/l 99
31) Cyclohexane	7.64	56	349500	51.601	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	424151	51.390	ug/l 99
36) 1,1-Dichloropropene	7.78	75	333388	48.587	ug/l 99
37) Ethyl Acetate	6.91	43	354423	49.994	ug/l 99
38) Carbon Tetrachloride	7.76	117	338005	53.954	ug/l 99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	350315	48.566	ug/l	97
40) Benzene	8.03	78	1042487	50.464	ug/l	98
41) Methacrylonitrile	7.15	41	164250	51.040	ug/l	100
42) 1,2-Dichloroethane	8.11	62	436933	52.886	ug/l	100
43) Isopropyl Acetate	8.15	43	650106	54.530	ug/l	99
44) Trichloroethene	8.82	130	257466	50.814	ug/l	99
45) 1,2-Dichloropropane	9.11	63	314782	52.366	ug/l	99
46) Dibromomethane	9.20	93	192683	53.045	ug/l	99
47) Bromodichloromethane	9.40	83	405905	55.959	ug/l	98
48) Methyl methacrylate	9.19	41	314879	52.067	ug/l	98
49) 1,4-Dioxane	9.19	88	89879	878.838	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1927466	273.204	ug/l	100
52) Toluene	10.15	92	666323	51.212	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	438296	57.380	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	467498	55.434	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	295010	53.527	ug/l	98
56) Ethyl methacrylate	10.43	69	446442	53.791	ug/l	99
57) 1,3-Dichloropropane	10.71	76	503701	53.031	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1046758	267.779	ug/l	100
59) 2-Hexanone	10.75	43	1423380	269.170	ug/l	100
60) Dibromochloromethane	10.90	129	299069	58.436	ug/l	98
61) 1,2-Dibromoethane	11.00	107	277991	53.352	ug/l	99
64) Tetrachloroethene	10.63	164	209840	49.692	ug/l	99
65) Chlorobenzene	11.43	112	764111	51.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	284908	54.856	ug/l	100
67) Ethyl Benzene	11.51	91	1380753	52.637	ug/l	100
68) m/p-Xylenes	11.62	106	1011911	105.313	ug/l	100
69) o-Xylene	11.95	106	503151	52.673	ug/l	97
70) Styrene	11.97	104	902822	54.918	ug/l	100
71) Bromoform	12.13	173	188873	58.328	ug/l #	98
73) Isopropylbenzene	12.25	105	1408274	51.979	ug/l	100
74) N-amyl acetate	12.07	43	593649	50.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	453896	49.757	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	550777	69.732	ug/l #	100
77) Bromobenzene	12.53	156	331794	49.119	ug/l	98
78) n-propylbenzene	12.60	91	1672447	53.757	ug/l	100
79) 2-Chlorotoluene	12.68	91	991944	50.446	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1222184	53.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116491	51.900	ug/l	96
82) 4-Chlorotoluene	12.78	91	1050693	52.033	ug/l	99
83) tert-Butylbenzene	13.00	119	1059252	52.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1243171	53.432	ug/l	98
85) sec-Butylbenzene	13.18	105	1456570	54.005	ug/l	100
86) p-Isopropyltoluene	13.29	119	1305172	54.921	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	643503	51.901	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	647965	51.485	ug/l	99
89) n-Butylbenzene	13.62	91	1232511	54.920	ug/l	99
90) Hexachloroethane	13.88	117	195706	55.374	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	642644	51.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81097	53.832	ug/l	99

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Instrument :
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ClientSampleId :

Quant Time: Sep 16 03:37:20 2019
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

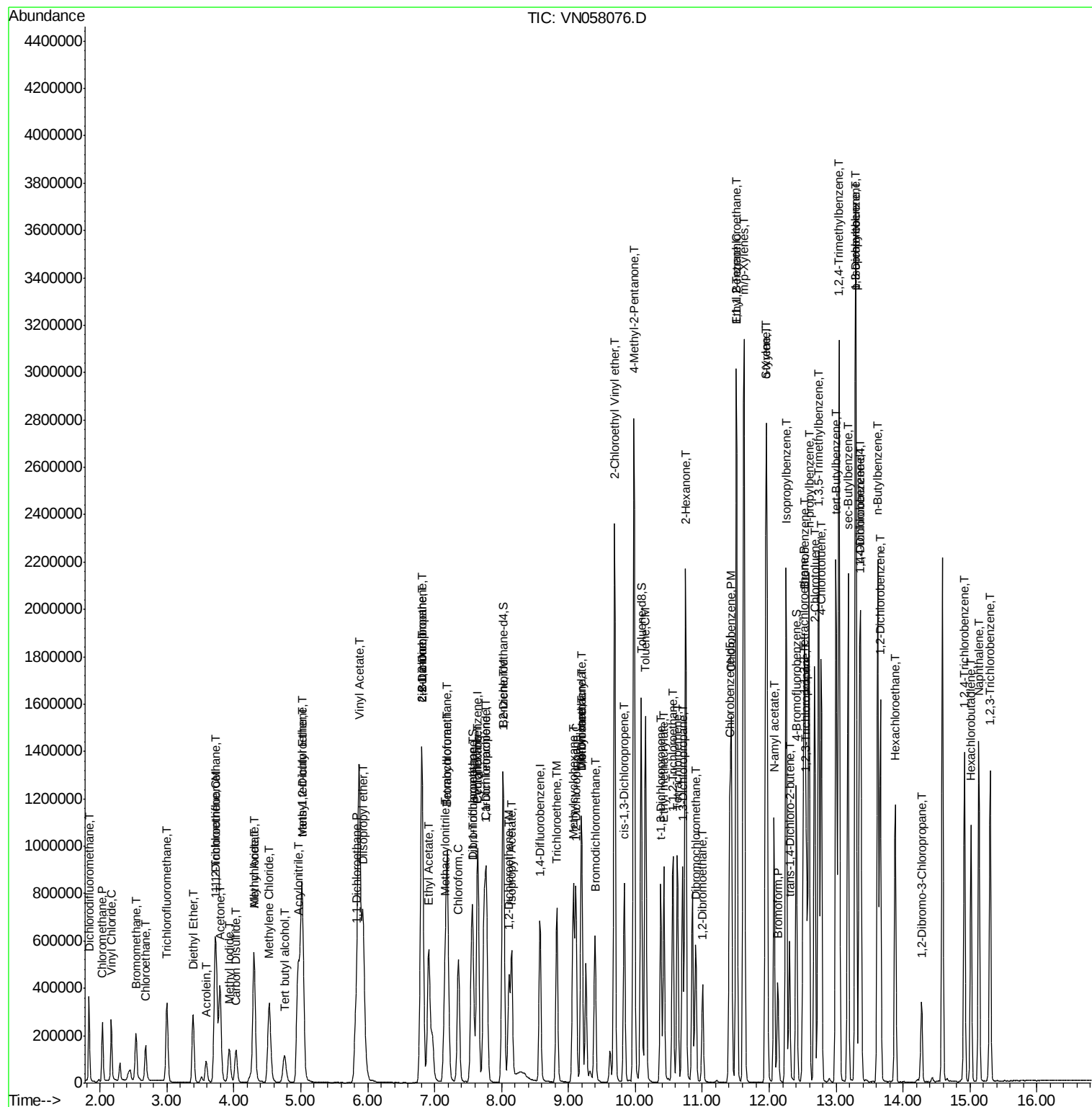
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	414367	51.180	ug/l	99
94) Hexachlorobutadiene	15.02	225	191320	55.745	ug/l	99
95) Naphthalene	15.13	128	1114897	54.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	379744	53.652	ug/l	100

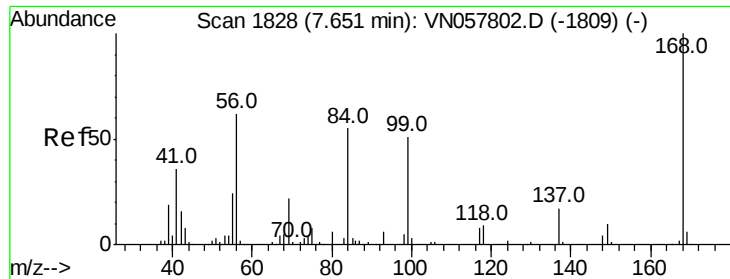
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091519\
Data File : VN058076.D
Acq On : 15 Sep 2019 8:07
Operator : JC/SP
Sample : VSTDC0050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Sep 16 03:37:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

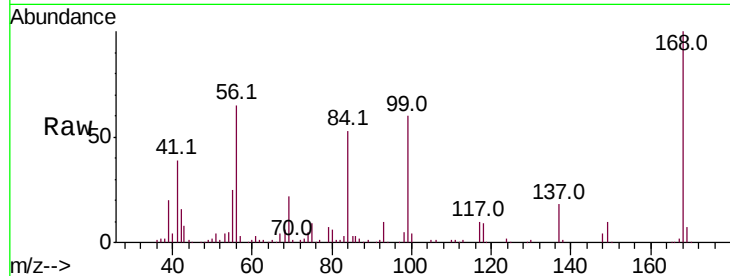
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 372660

Ion Ratio Lower Upper

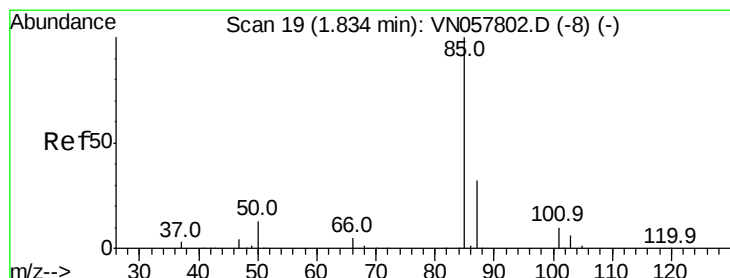
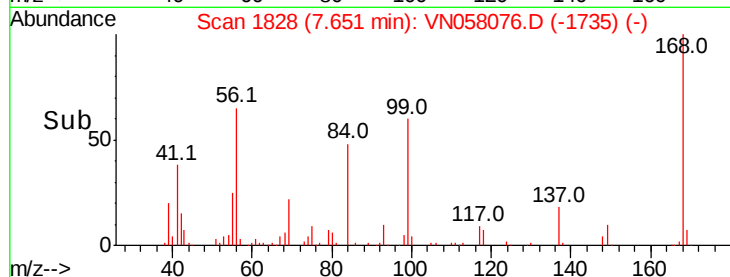
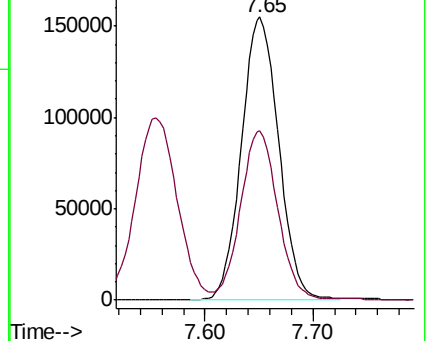
168 100

99 59.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.700 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058076.D

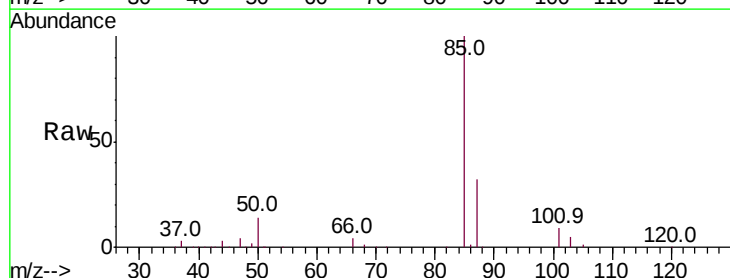
Acq: 15 Sep 2019 8:07

Tgt Ion: 85 Resp: 261295

Ion Ratio Lower Upper

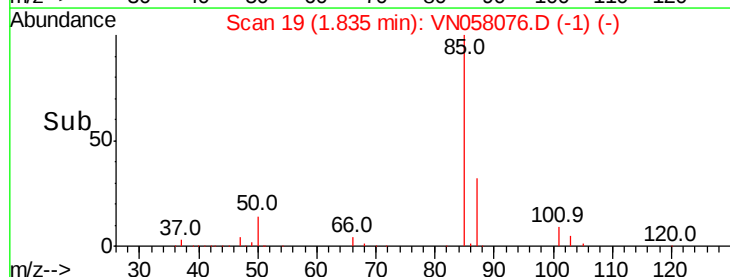
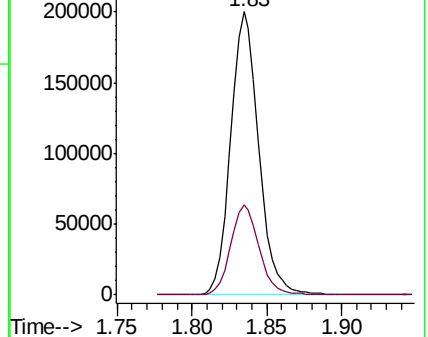
85 100

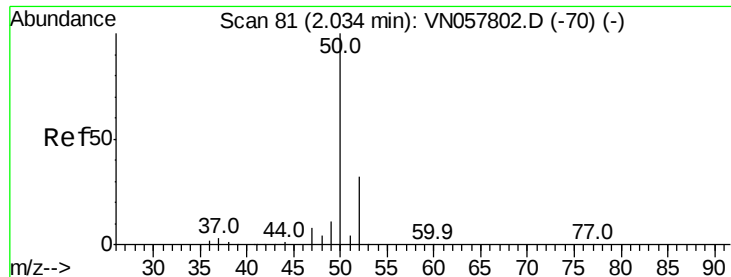
87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

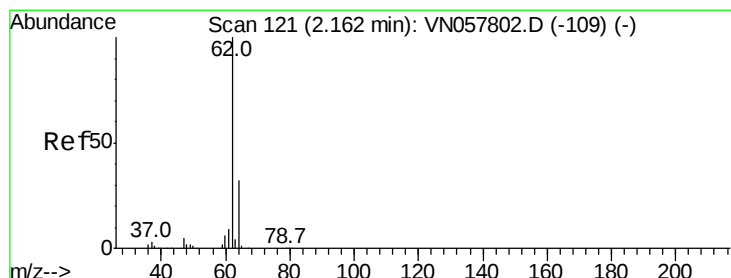
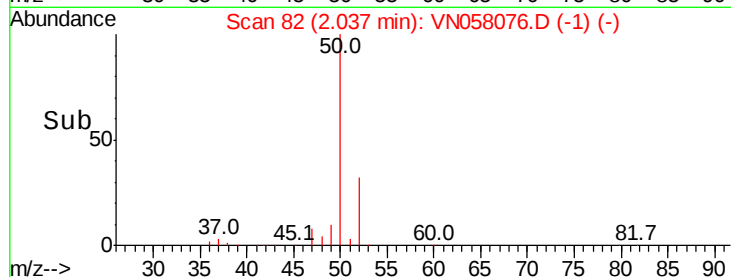
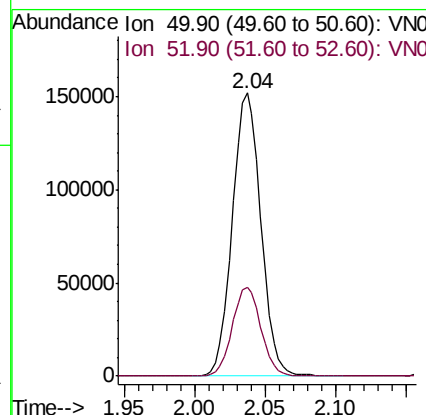
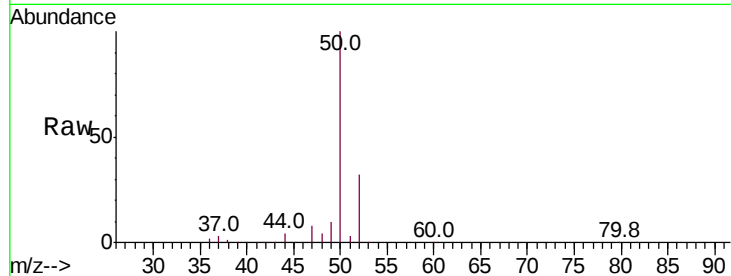




#3
Chloromethane
Concen: 40.968 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

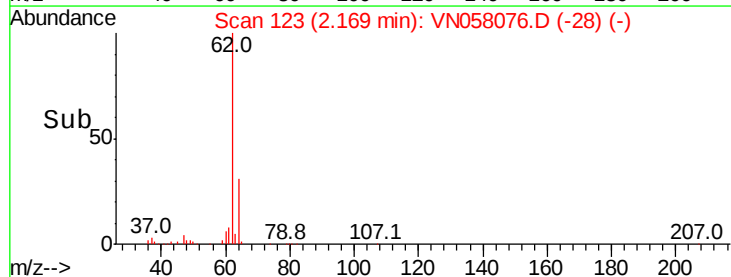
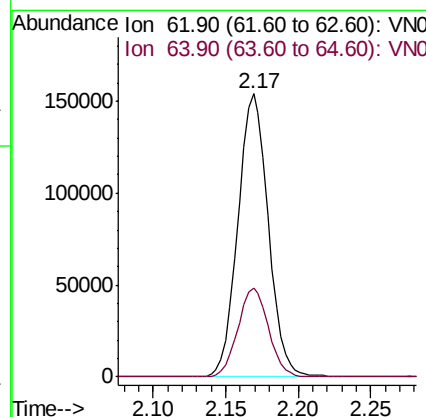
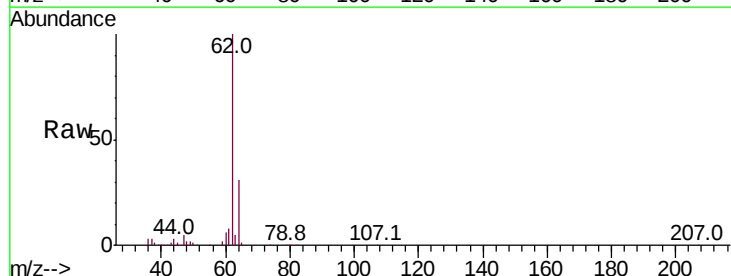
Instrument :
MSVOA_N
ClientSampled :

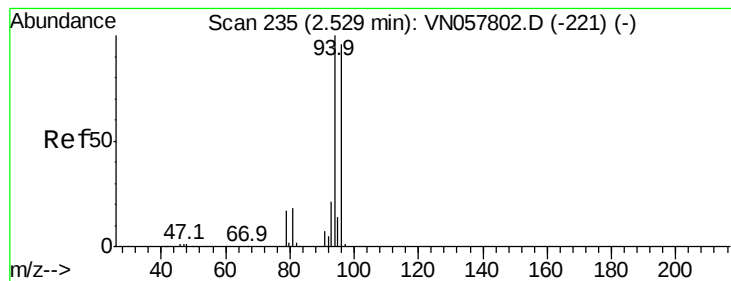
Tot Ion: 50 Resp: 215196
Ion Ratio Lower Upper
50 100
52 31.5 25.5 38.3



#4
Vinyl Chloride
Concen: 40.293 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 62 Resp: 224003
Ion Ratio Lower Upper
62 100
64 31.4 25.6 38.4





#5

Bromomethane

Concen: 44.944 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

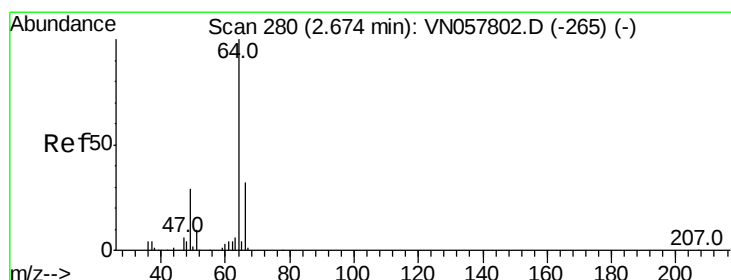
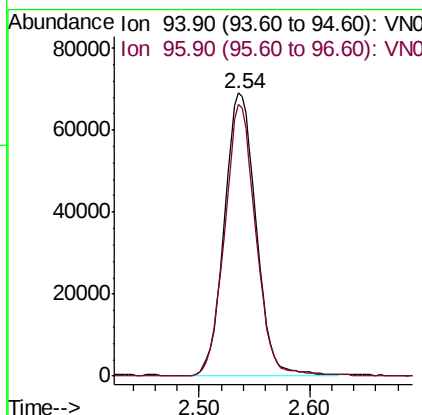
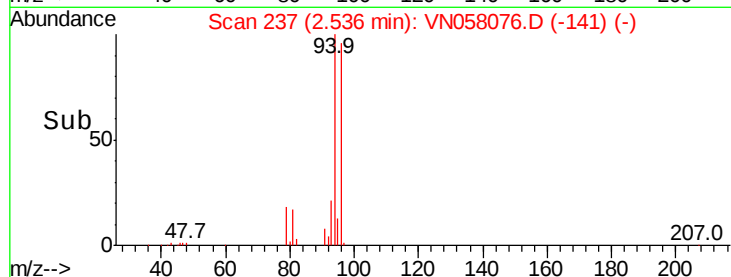
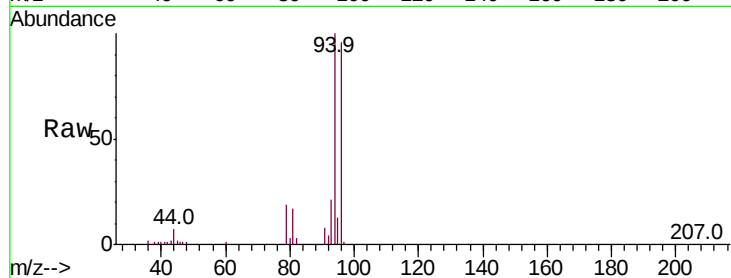
ClientSampleId :

Tot Ion: 94 Resp: 137774

Ion Ratio Lower Upper

94 100

96 96.2 77.0 115.4



#6

Chloroethane

Concen: 39.643 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058076.D

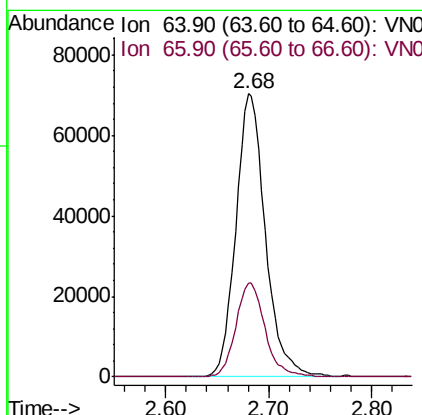
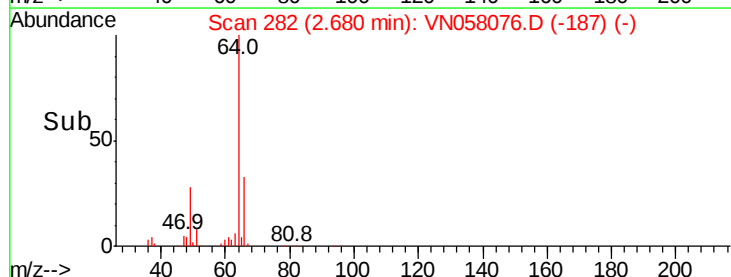
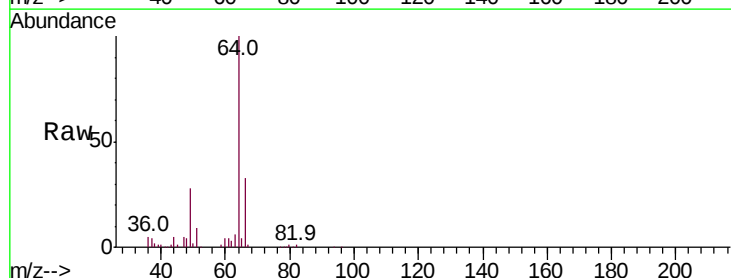
Acq: 15 Sep 2019 8:07

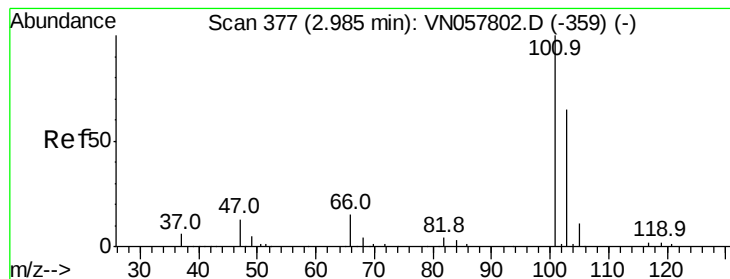
Tgt Ion: 64 Resp: 140437

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



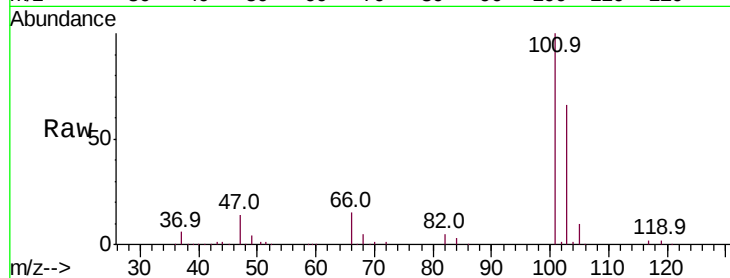


#7

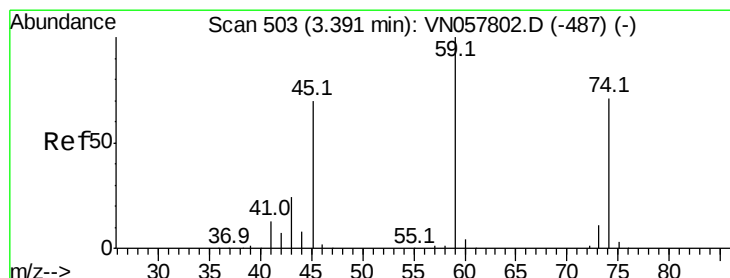
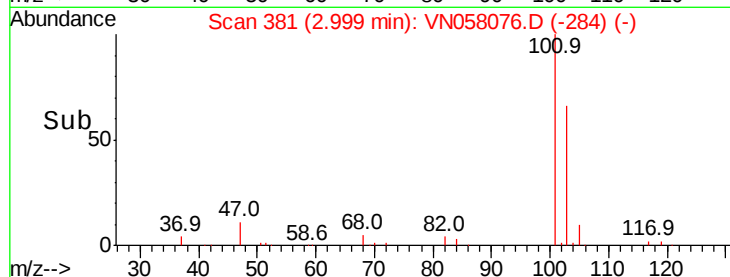
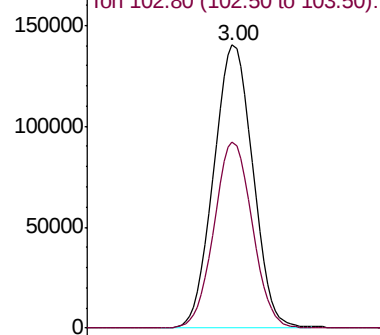
Trichlorofluoromethane
Concen: 44.521 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 311474
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9



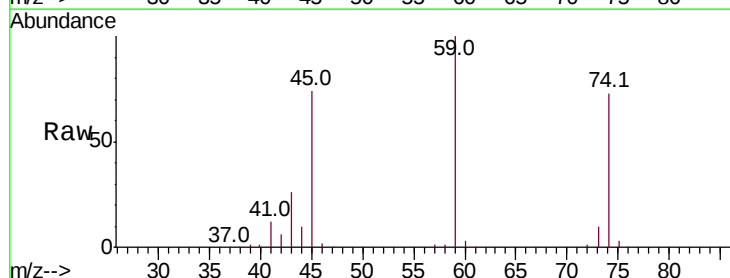
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



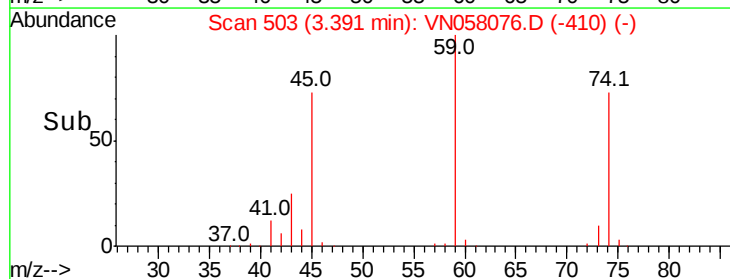
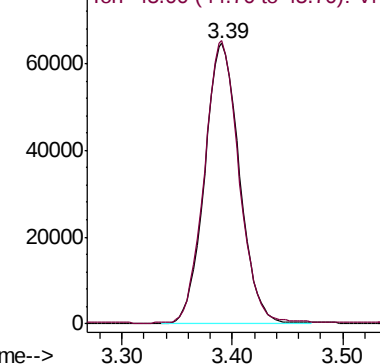
#8

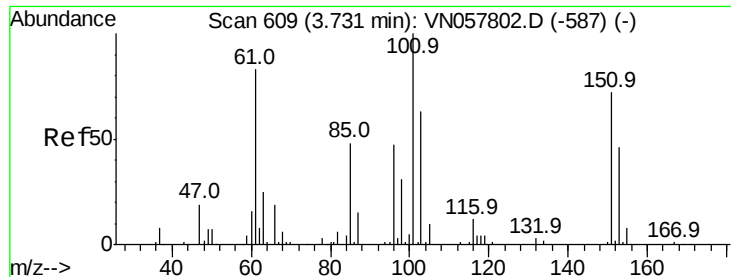
Diethyl Ether
Concen: 48.498 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 74 Resp: 141517
Ion Ratio Lower Upper
74 100
45 99.6 50.3 151.0



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: 50.286 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

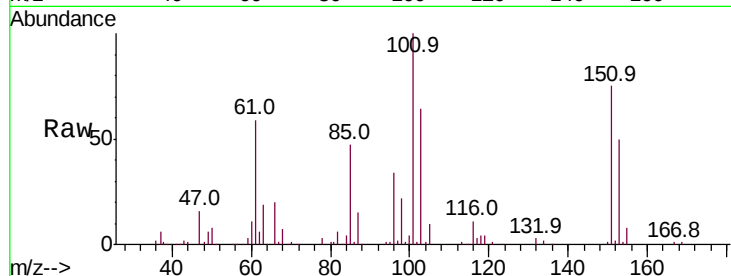
Tot Ion:101 Resp: 221931

Ion Ratio Lower Upper

101 100

85 47.4 38.1 57.1

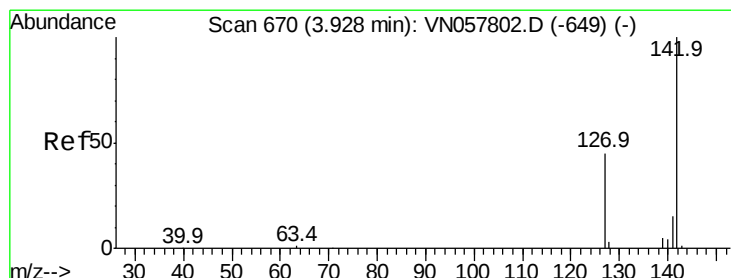
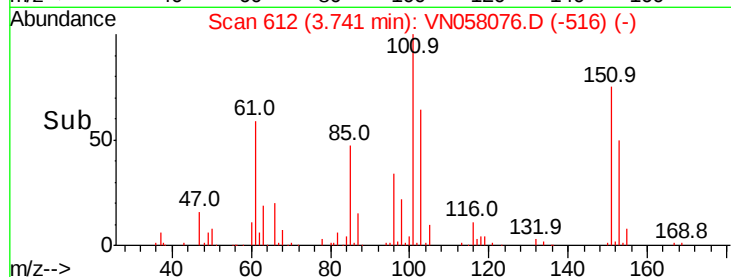
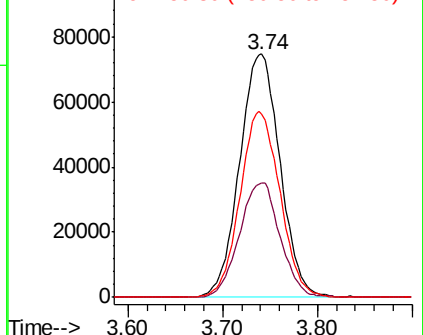
151 75.5 58.4 87.6



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: 45.872 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

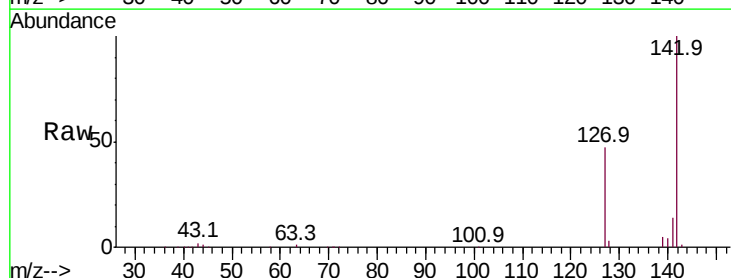
Tgt Ion:142 Resp: 225286

Ion Ratio Lower Upper

142 100

127 46.6 36.7 55.1

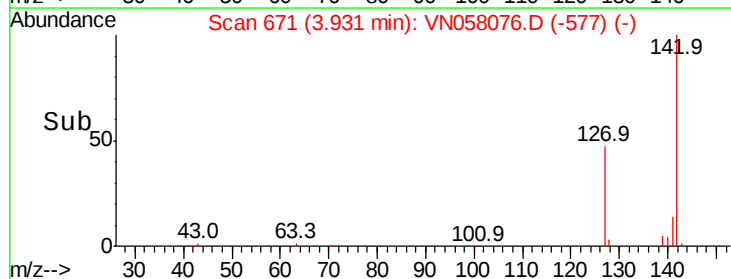
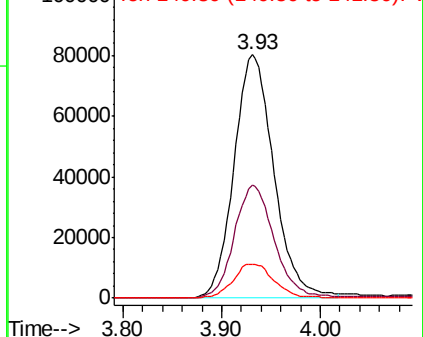
141 14.2 11.4 17.0

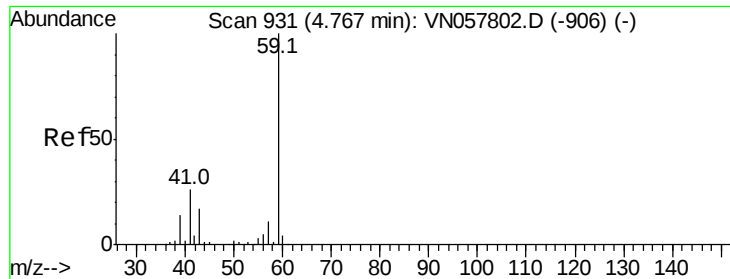


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

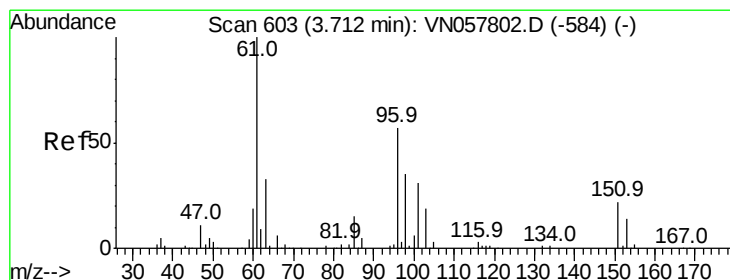
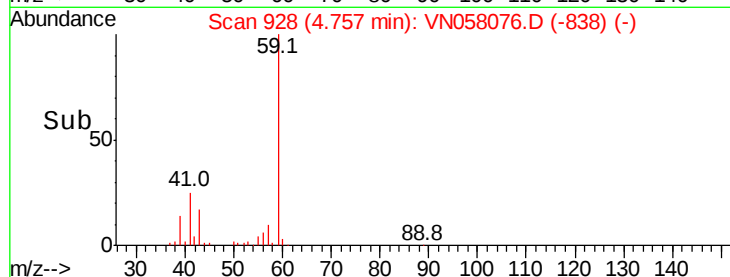
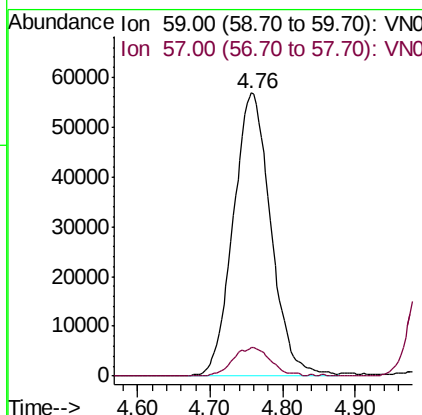
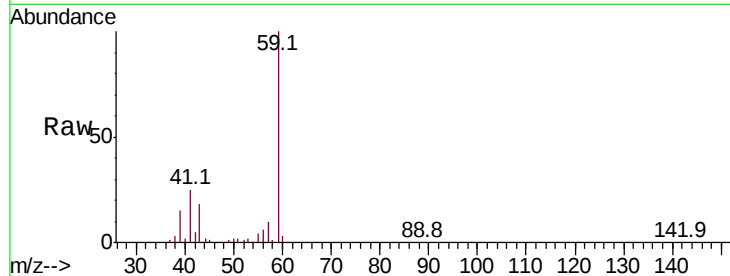




#11
Tert butyl alcohol
Concen: 224.602 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

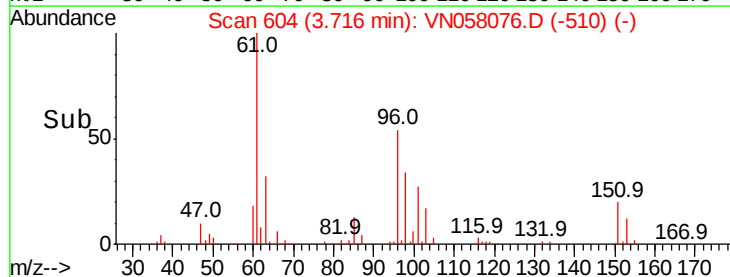
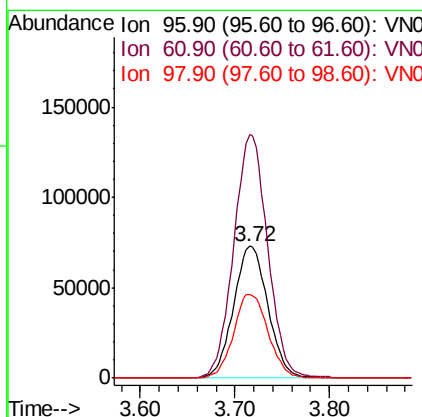
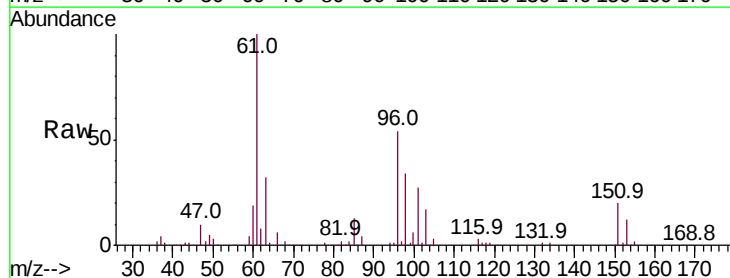
Instrument :
MSVOA_N
ClientSampled :

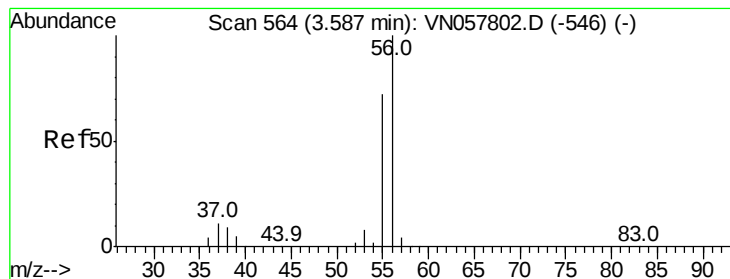
Tot Ion: 59 Resp: 205183
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6



#12
1,1-Dichloroethene
Concen: 46.561 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 96 Resp: 184763
Ion Ratio Lower Upper
96 100
61 184.5 141.2 211.8
98 63.6 49.9 74.9





#13

Acrolein

Concen: 128.300 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

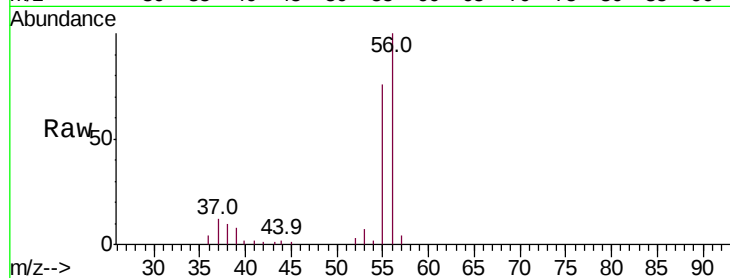
ClientSampleId :

Tot Ion: 56 Resp: 99438

Ion Ratio Lower Upper

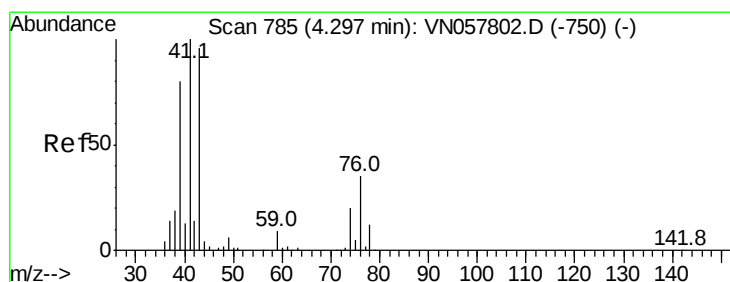
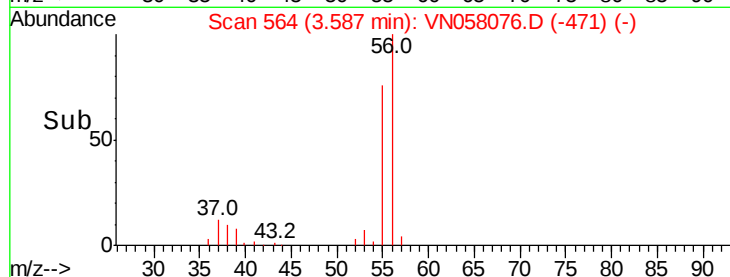
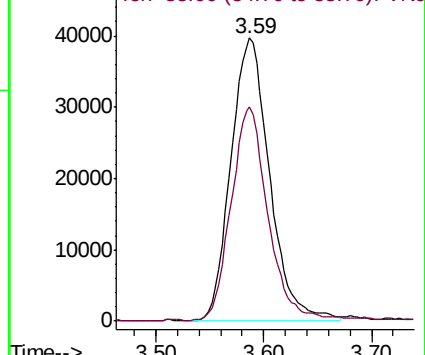
56 100

55 72.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.108 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

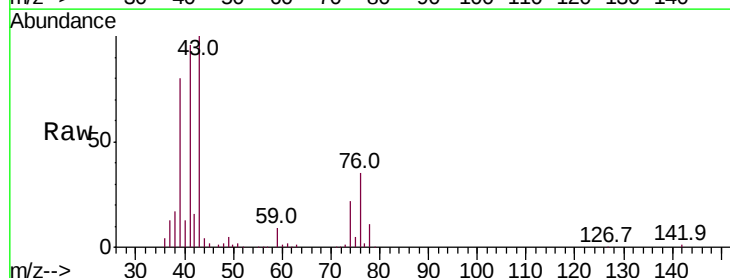
Tgt Ion: 41 Resp: 373593

Ion Ratio Lower Upper

41 100

39 75.6 59.4 89.2

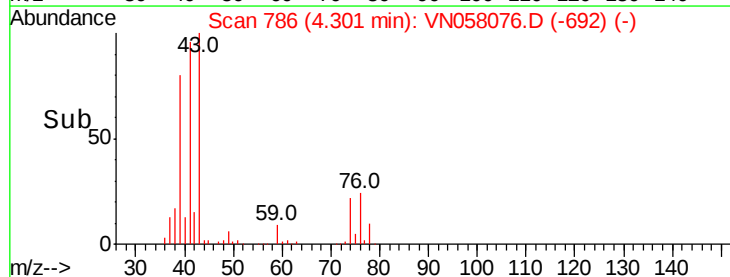
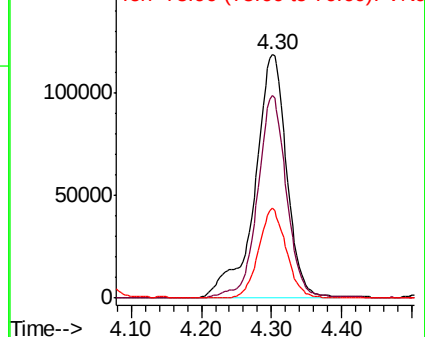
76 32.0 26.0 39.0

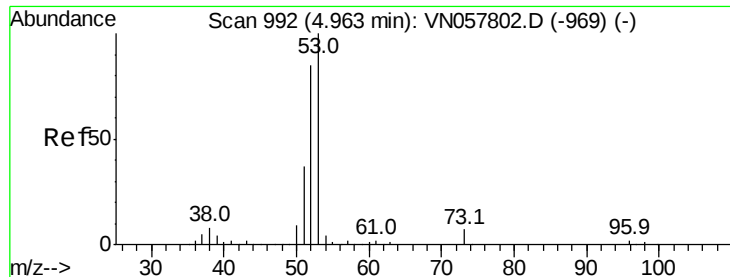


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 255.492 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

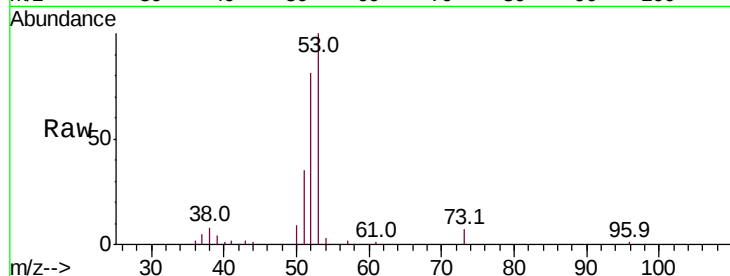
Tot Ion: 53 Resp: 641529

Ion Ratio Lower Upper

53 100

52 82.1 66.6 100.0

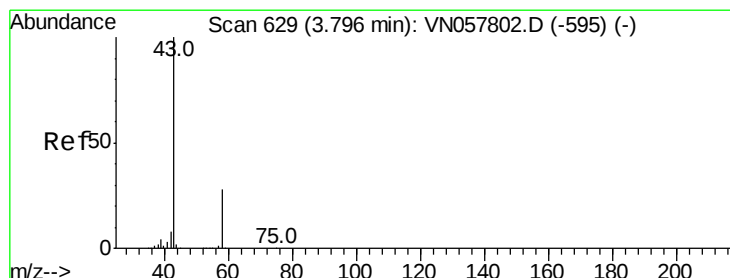
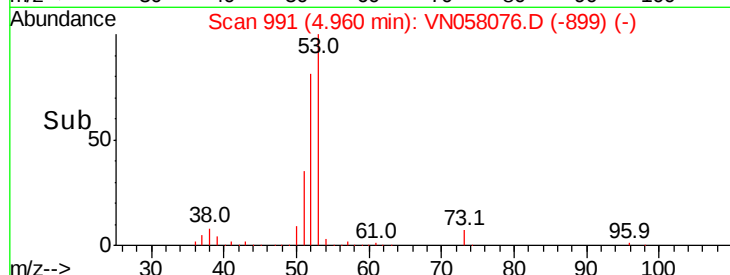
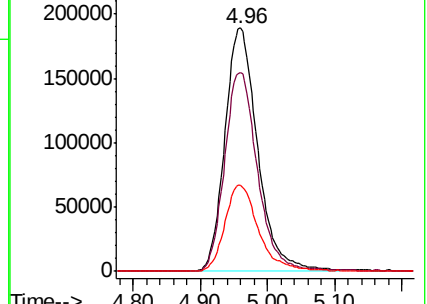
51 36.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)



#16

Acetone

Concen: 268.078 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058076.D

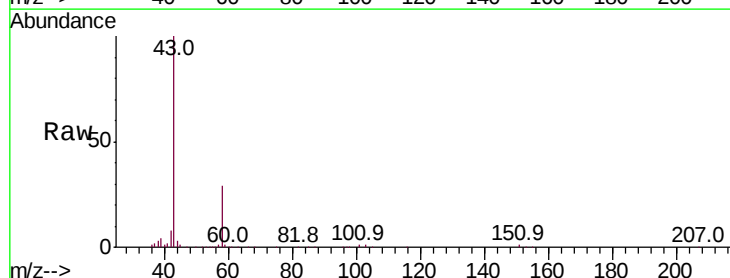
Acq: 15 Sep 2019 8:07

Tgt Ion: 43 Resp: 663320

Ion Ratio Lower Upper

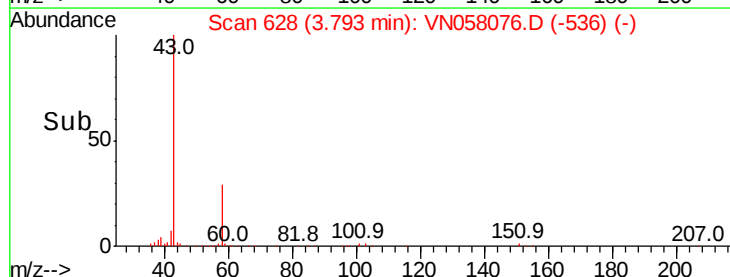
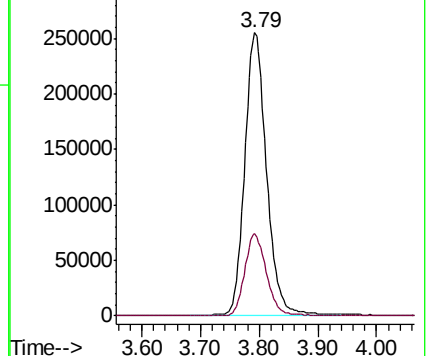
43 100

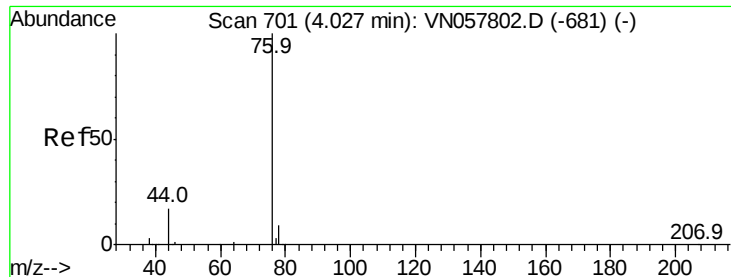
58 28.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)





#17

Carbon Disulfide

Concen: 43.152 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

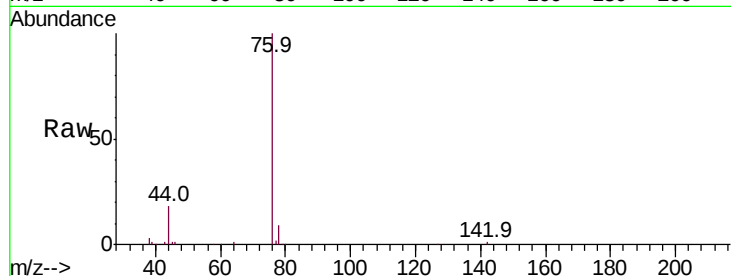
ClientSampled :

Tot Ion: 76 Resp: 266372

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

60000

40000

20000

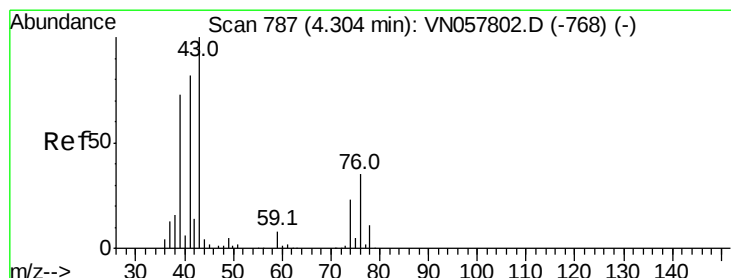
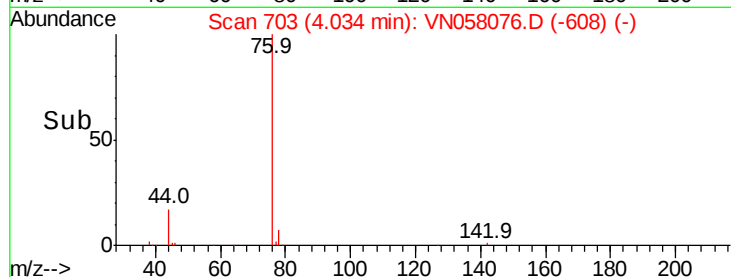
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 53.212 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN058076.D

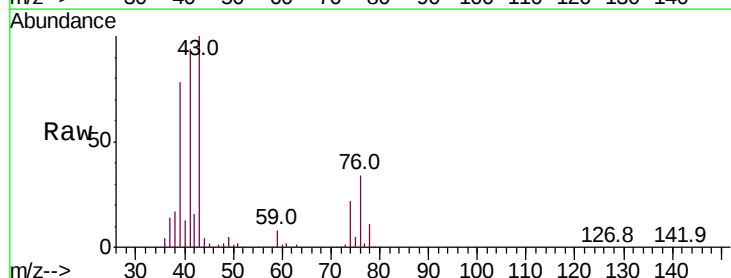
Acq: 15 Sep 2019 8:07

Tgt Ion: 43 Resp: 351059

Ion Ratio Lower Upper

43 100

74 23.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

100000

50000

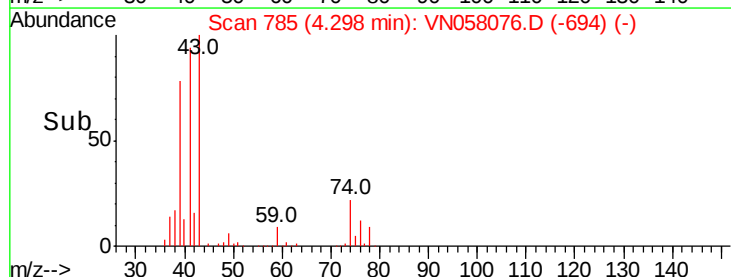
0

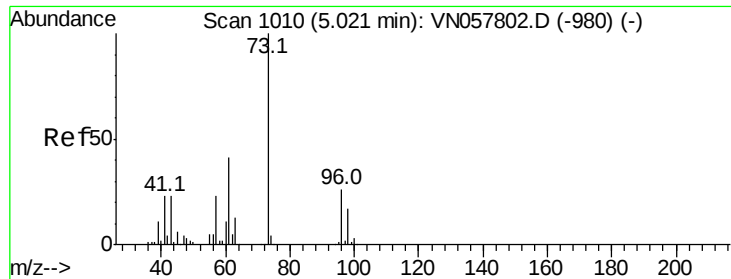
Time-->

4.20

4.30

4.40

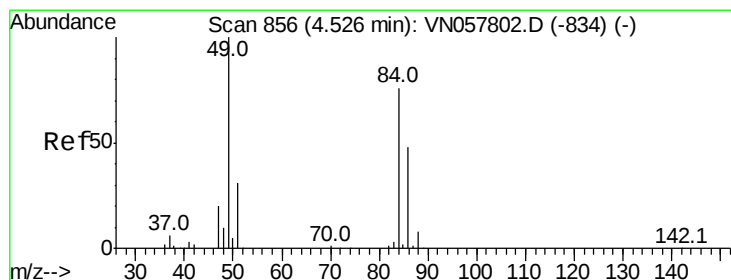
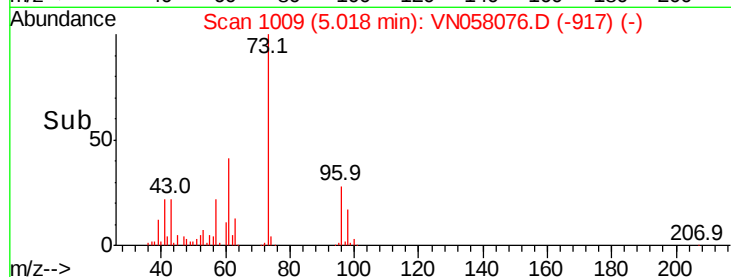
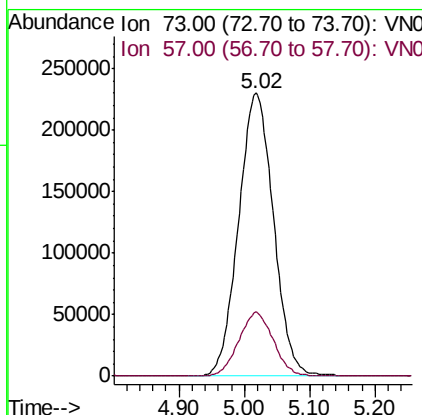
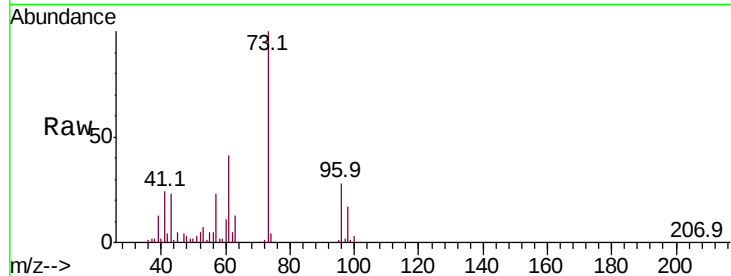




#19
Methvl tert-butvl Ether
Concen: 51.744 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

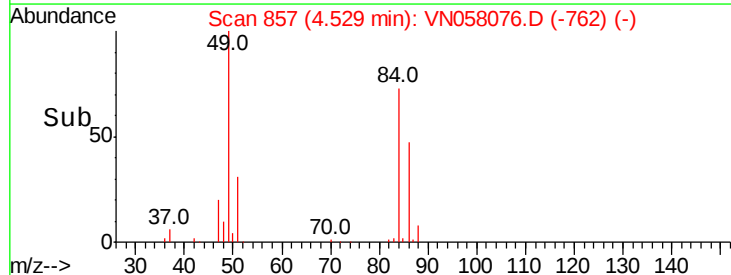
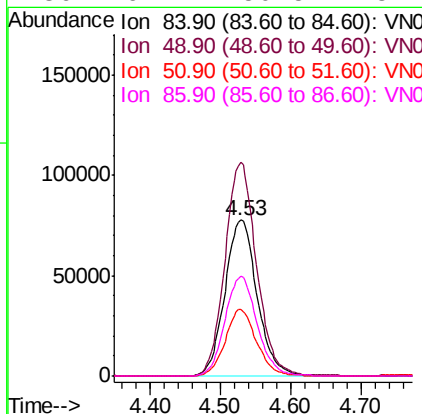
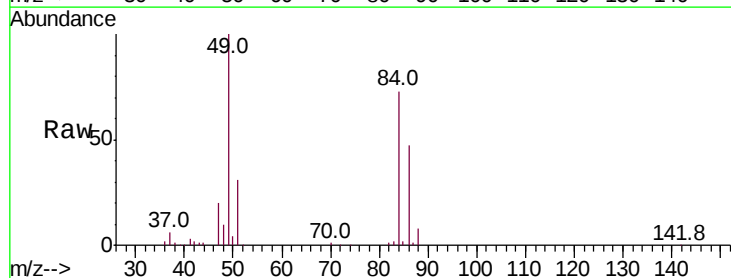
Instrument :
MSVOA_N
ClientSampled :

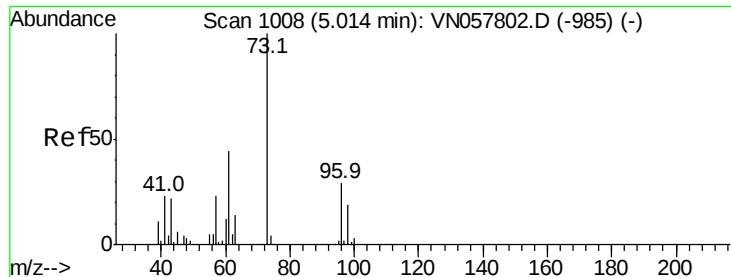
Tot Ion: 73 Resp: 854504
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2



#20
Methylene Chloride
Concen: 52.785 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 84 Resp: 248317
Ion Ratio Lower Upper
84 100
49 137.1 104.8 157.2
51 42.4 33.0 49.4
86 64.2 50.5 75.7

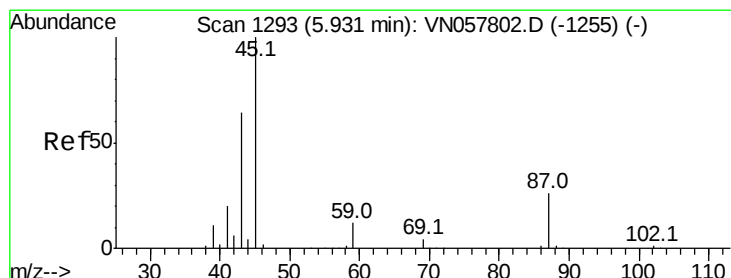
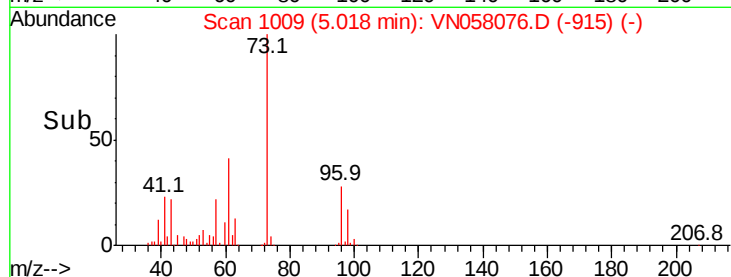
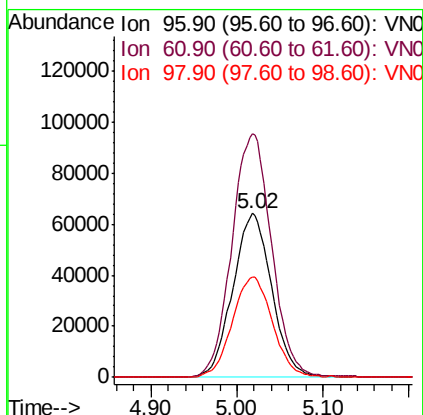
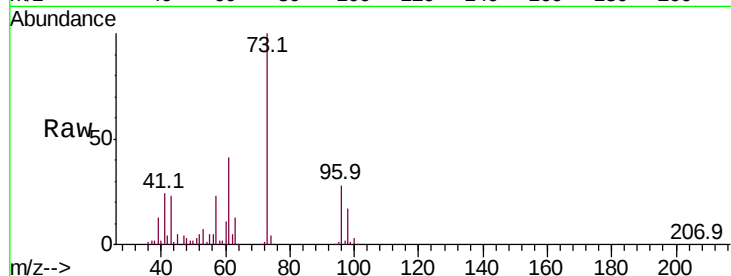




#21
trans-1,2-Dichloroethene
Concen: 47.106 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

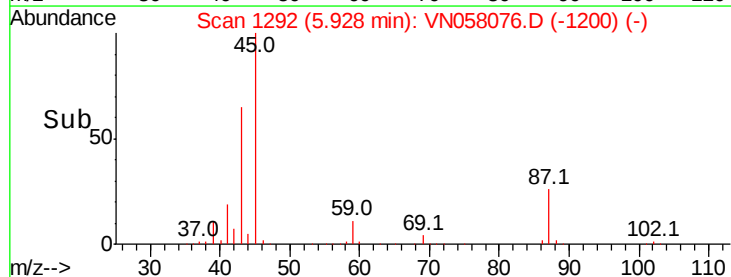
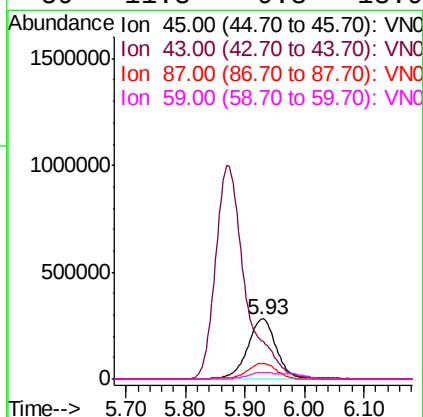
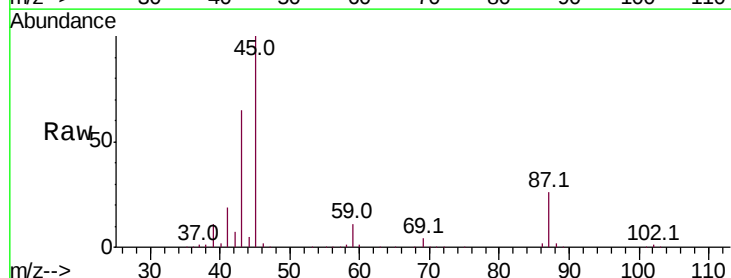
Instrument :
MSVOA_N
ClientSampleId :

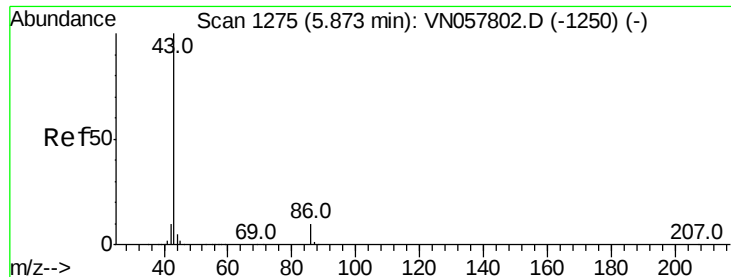
Tot Ion: 96 Resp: 202068
Ion Ratio Lower Upper
96 100
61 148.4 121.9 182.9
98 61.5 52.2 78.4



#22
Diisopropyl ether
Concen: 52.196 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 45 Resp: 950551
Ion Ratio Lower Upper
45 100
43 64.3 51.4 77.2
87 25.6 21.3 31.9
59 11.3 9.3 13.9

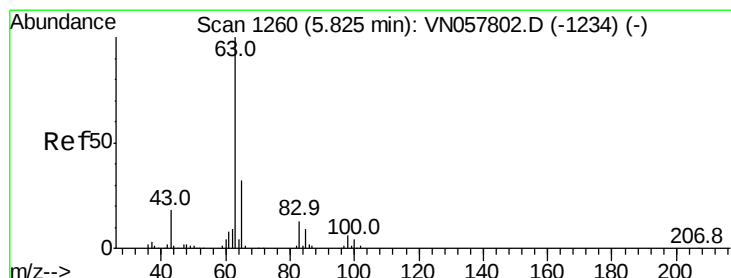
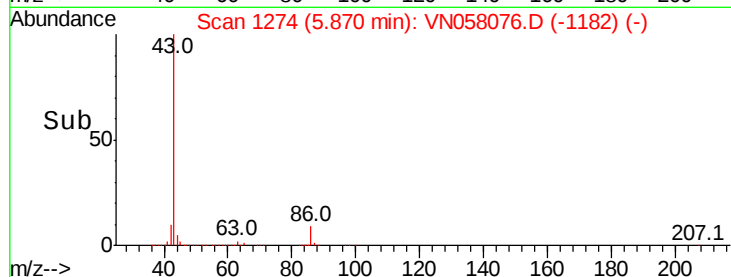
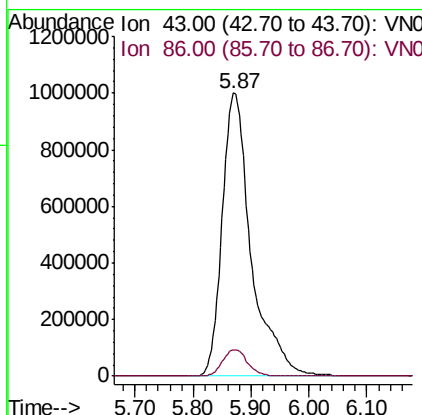
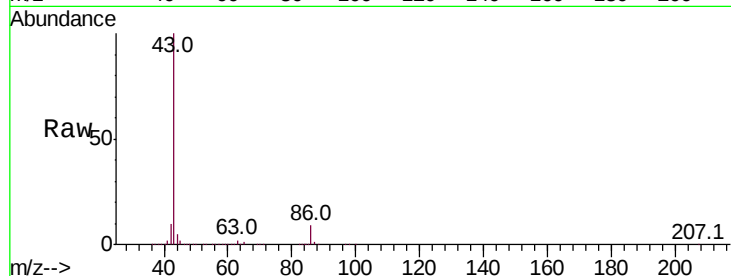




#23
 Vinyl Acetate
 Concen: 269.474 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

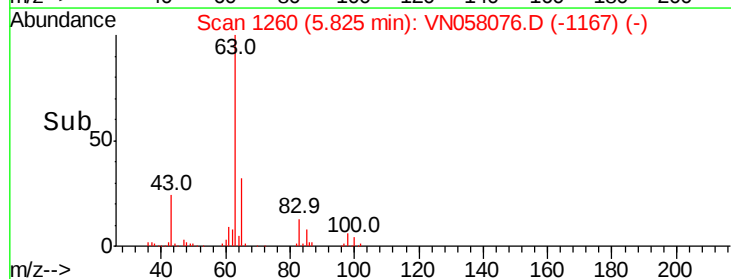
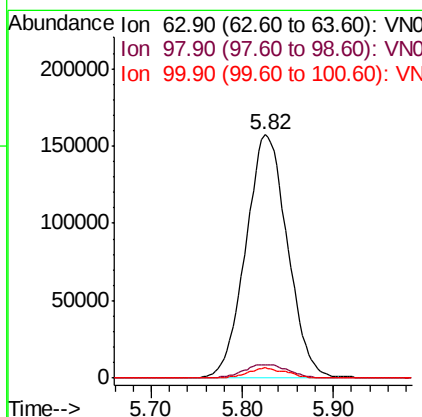
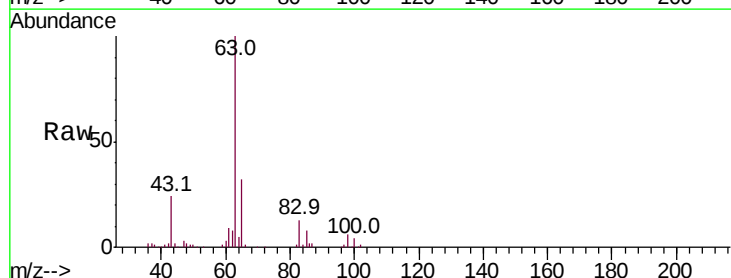
Instrument :
 MSVOA_N
 ClientSampled :

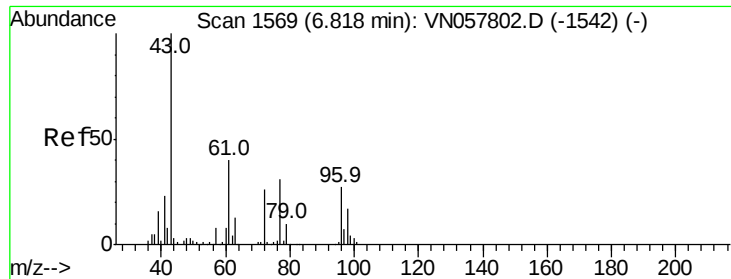
Tot Ion: 43 Resp: 3477941
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 50.306 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion: 63 Resp: 500699
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.2
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 254.628 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

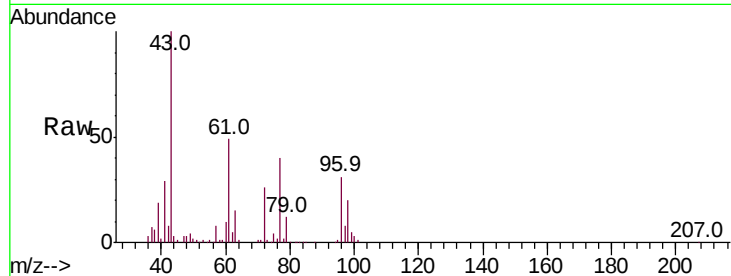
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 911889

Ion Ratio Lower Upper

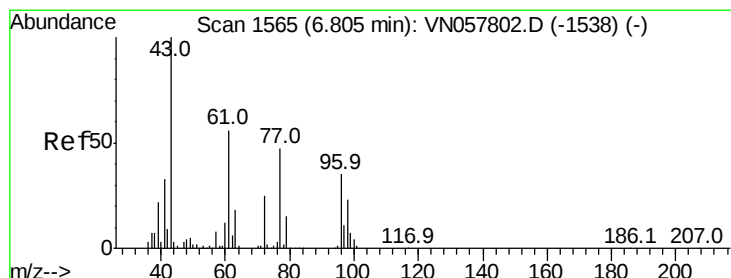
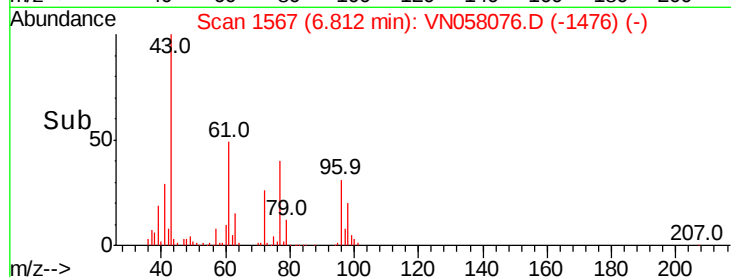
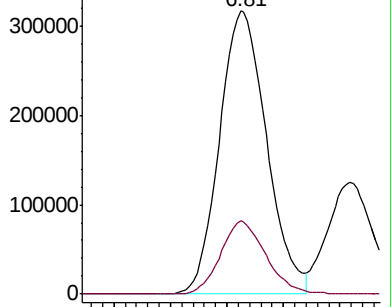
43 100

72 25.9 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN058076.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN058076.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 53.106 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058076.D

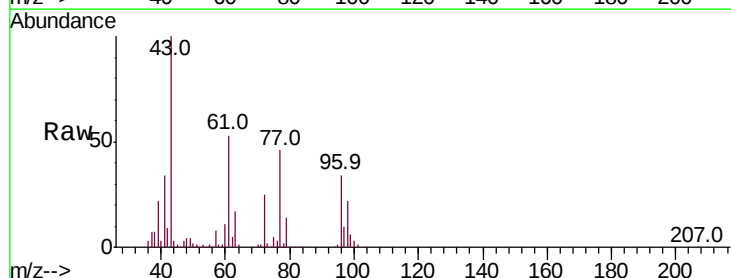
Acq: 15 Sep 2019 8:07

Tgt Ion: 77 Resp: 418293

Ion Ratio Lower Upper

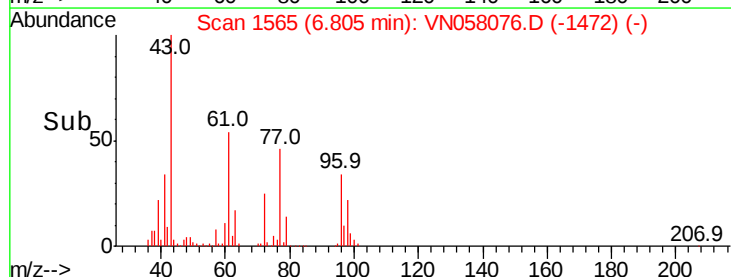
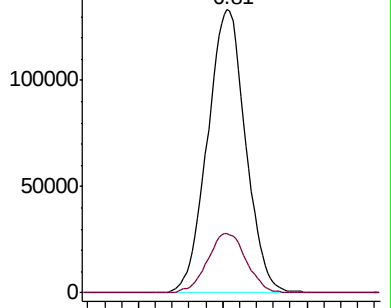
77 100

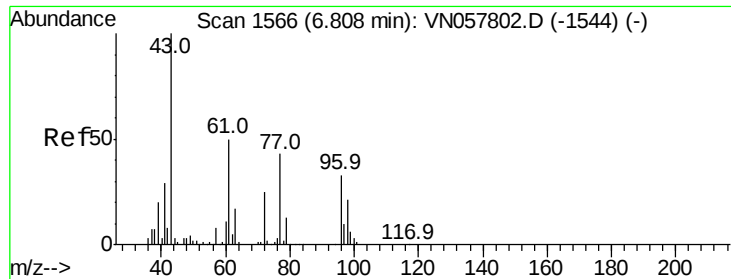
97 21.4 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN058076.D (-1472) (-)

Ion 96.90 (96.60 to 97.60): VN058076.D (-1472) (-)





#27

cis-1,2-Dichloroethene

Concen: 49.649 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :

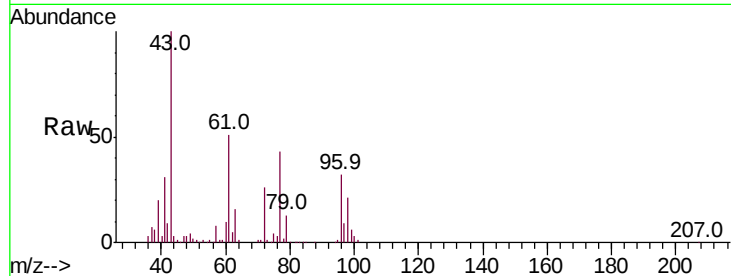
Tot Ion: 96 Resp: 285412

Ion Ratio Lower Upper

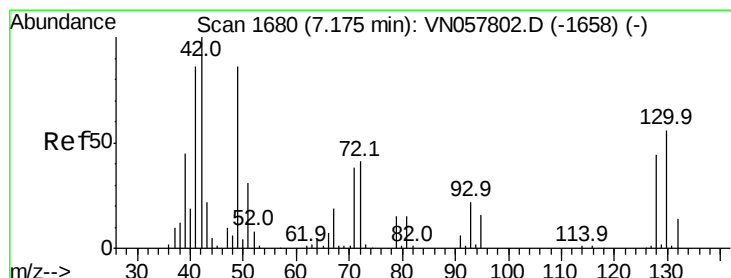
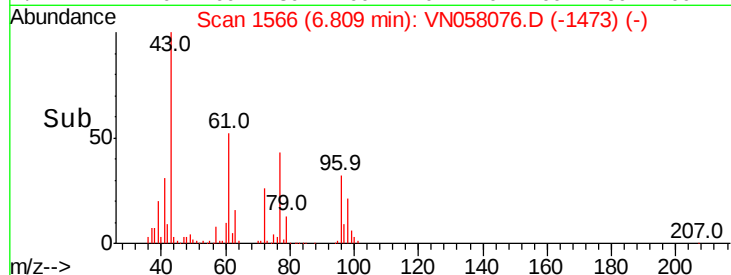
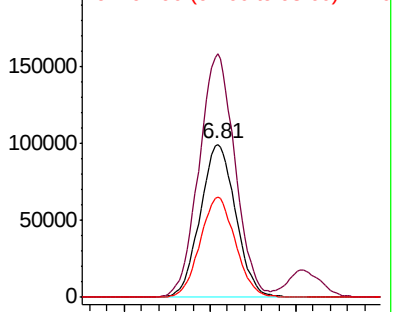
96 100

61 161.1 0.0 314.0

98 65.4 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.321 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

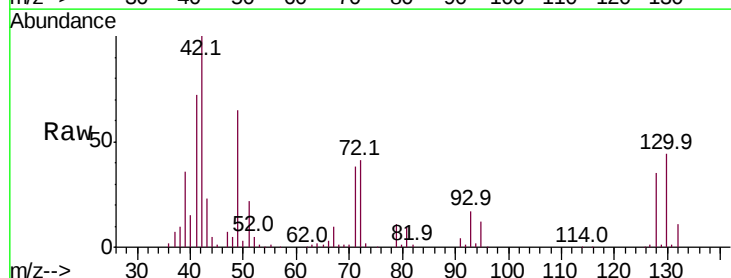
Tgt Ion: 49 Resp: 260159

Ion Ratio Lower Upper

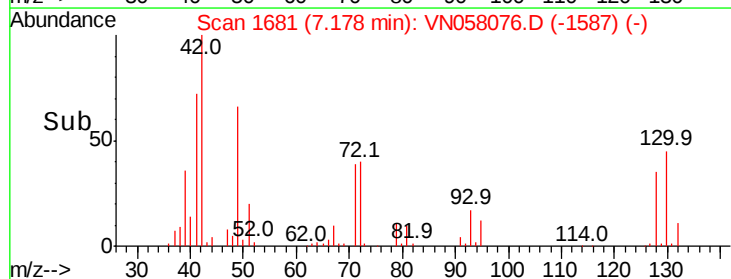
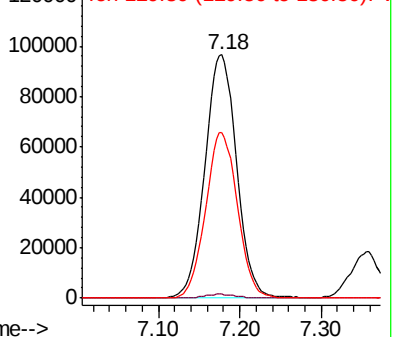
49 100

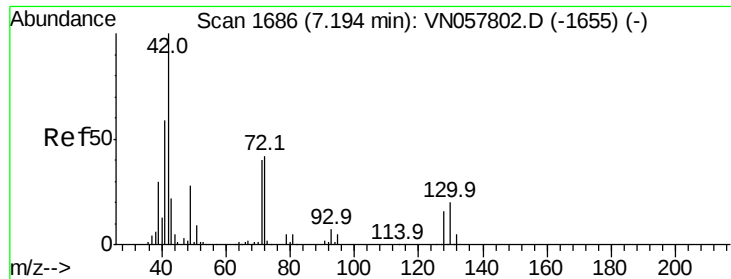
129 1.6 0.0 3.8

130 68.2 53.0 79.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

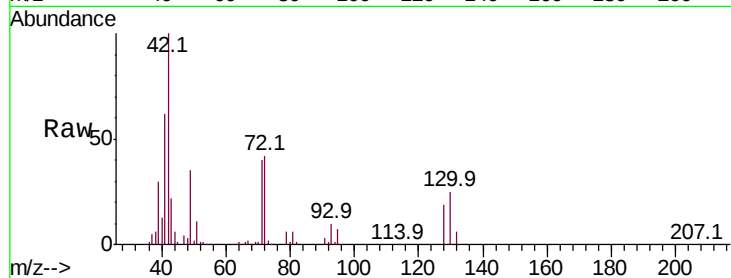




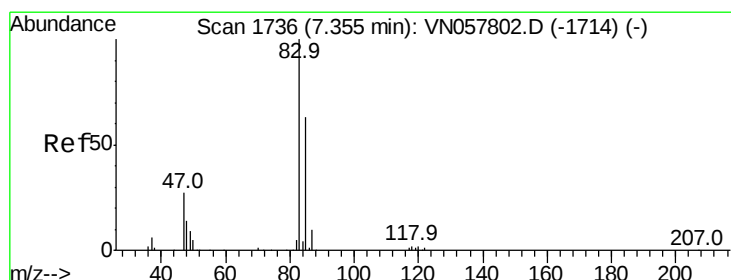
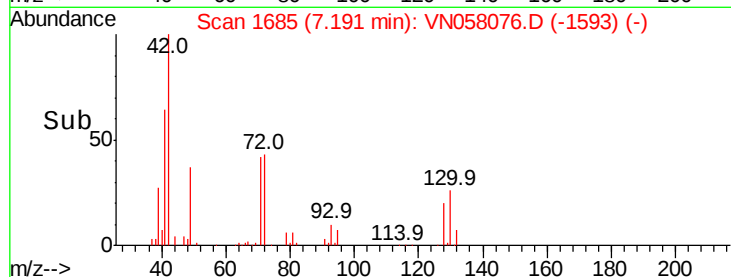
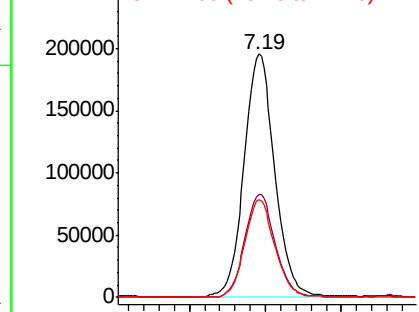
#29
Tetrahydrofuran
Concen: 247.761 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.5	31.9	47.9

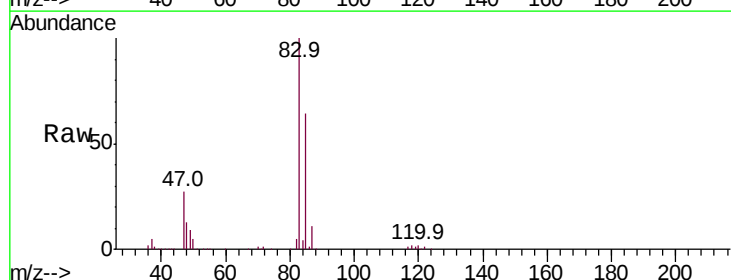


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

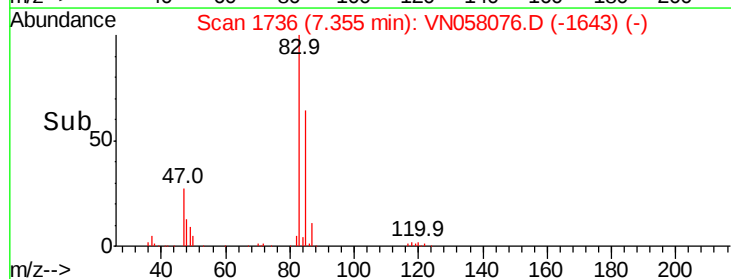
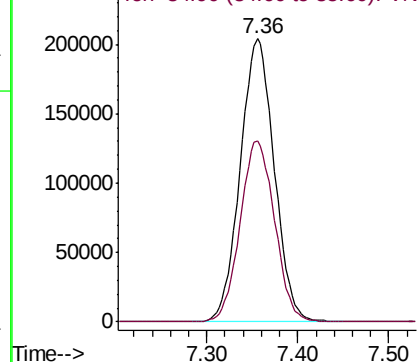


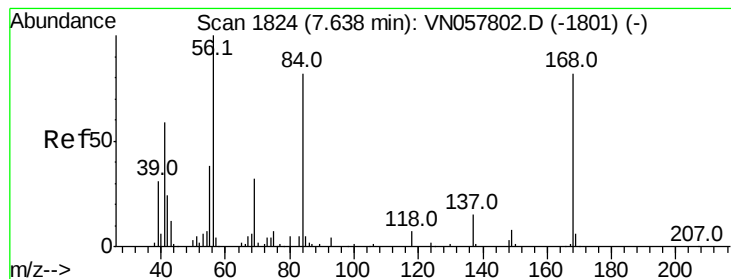
#30
Chloroform
Concen: 51.004 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 51.601 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampled :

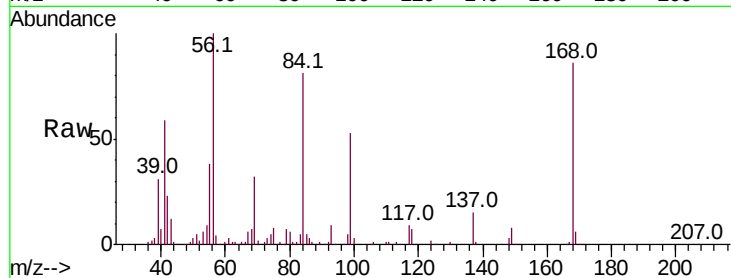
Tot Ion: 56 Resp: 349500

Ion Ratio Lower Upper

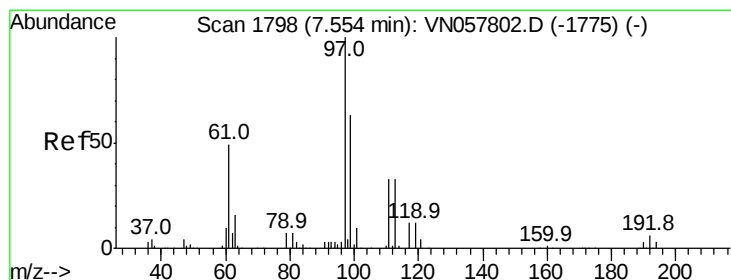
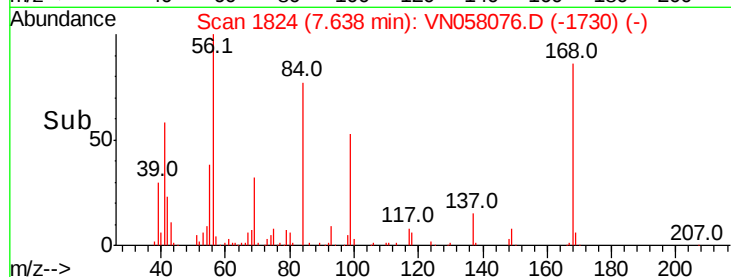
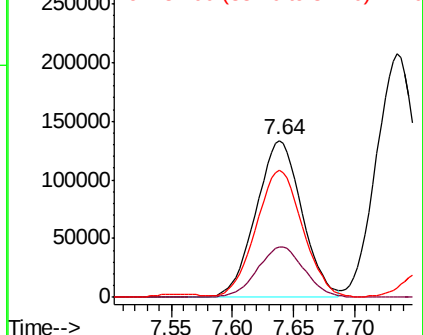
56 100

69 32.0 25.9 38.9

84 78.8 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.390 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

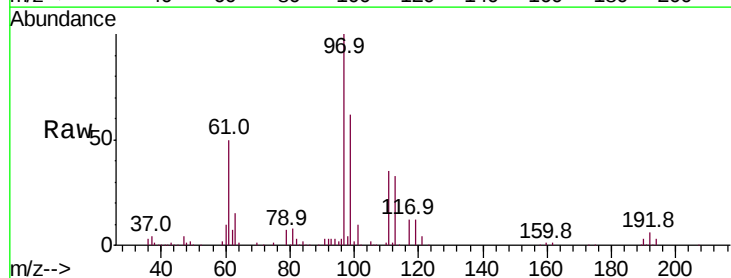
Tgt Ion: 97 Resp: 424151

Ion Ratio Lower Upper

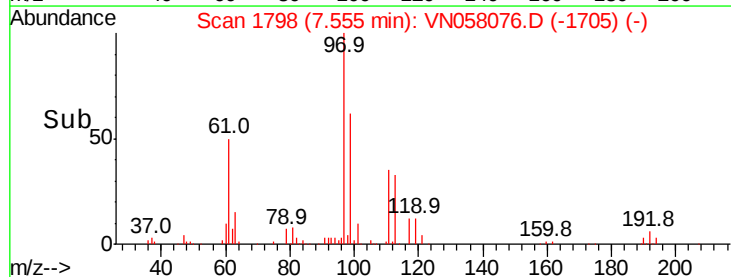
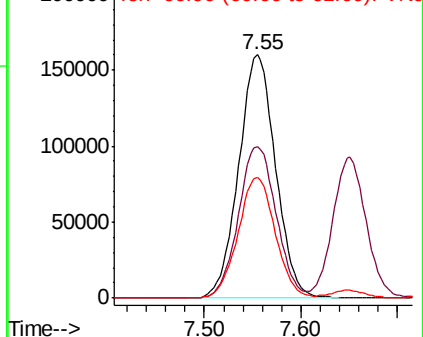
97 100

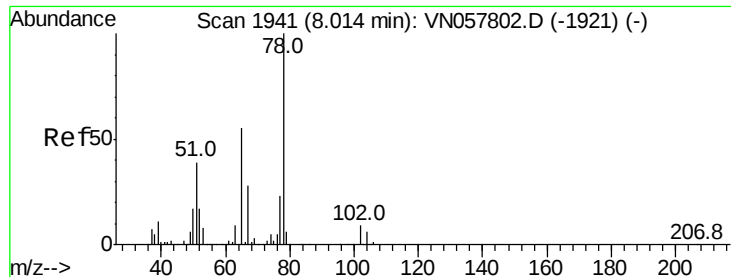
99 63.9 51.0 76.4

61 50.2 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 51.272 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

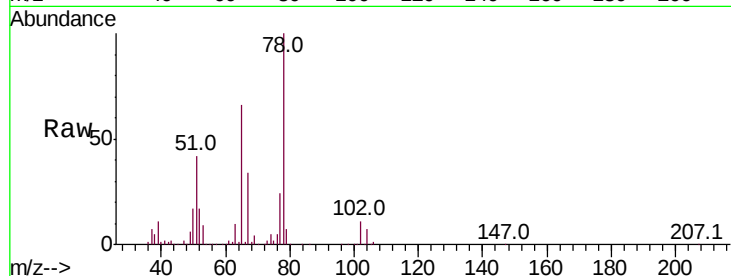
ClientSampled :

Tot Ion: 65 Resp: 386998

Ion Ratio Lower Upper

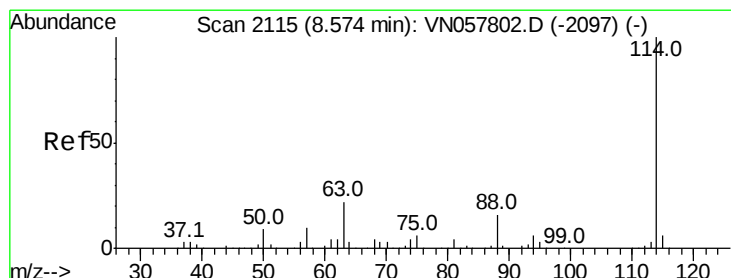
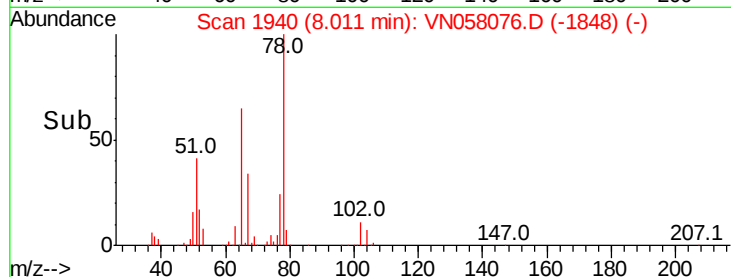
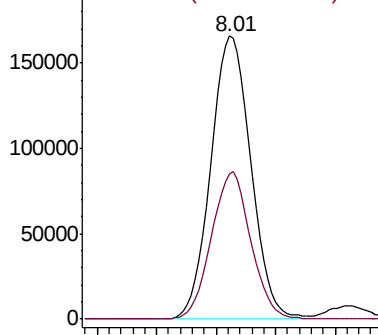
65 100

67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

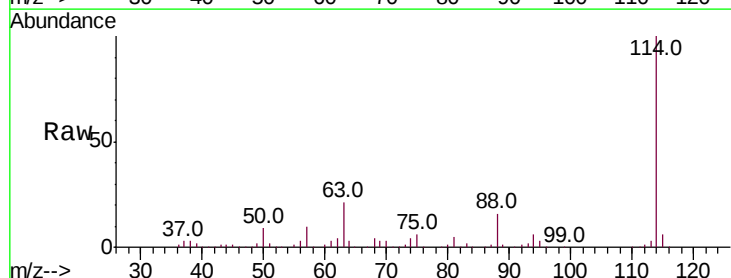
Tgt Ion: 114 Resp: 591655

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

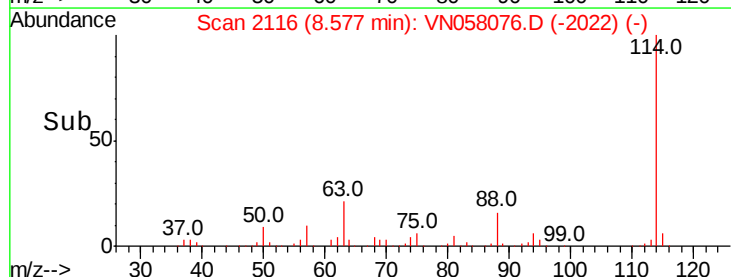
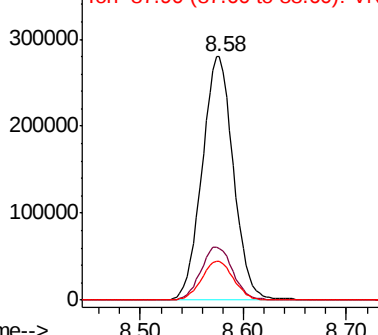
88 15.8 0.0 31.4

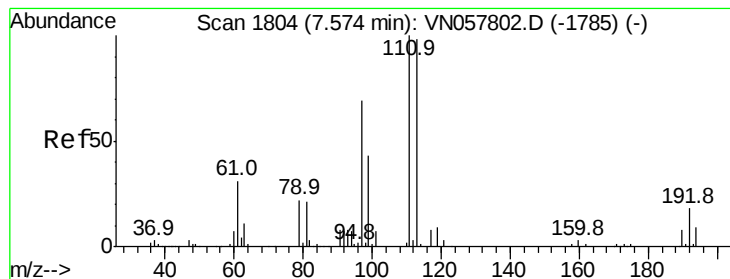


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 51.381 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

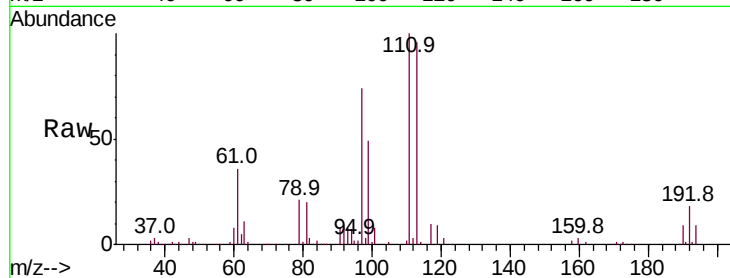
Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 280580

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.3	121.9
192	18.4	14.6	22.0

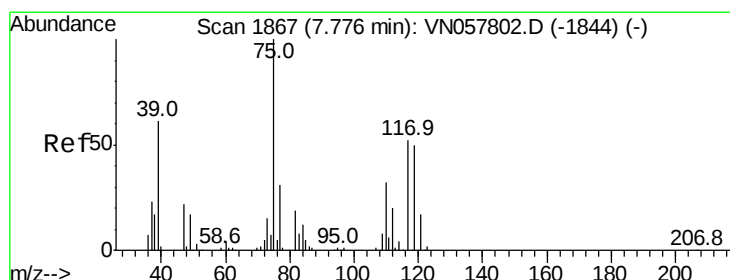
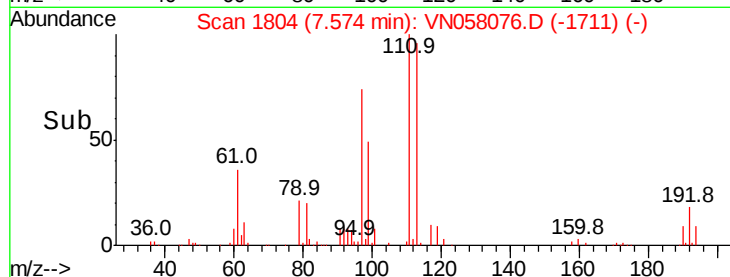
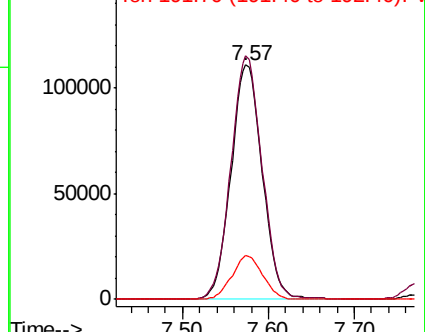


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.587 ug/l

RT: 7.78 min Scan# 1867

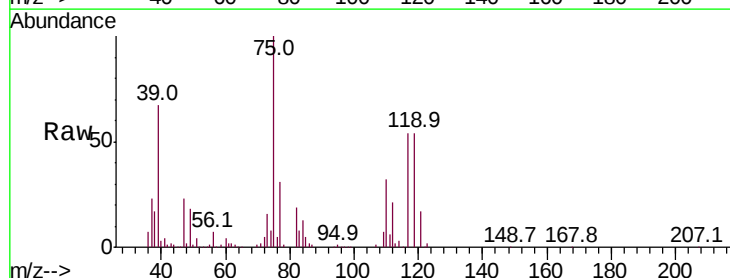
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion: 75 Resp: 333388

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.3	48.9
77	30.6	25.0	37.4

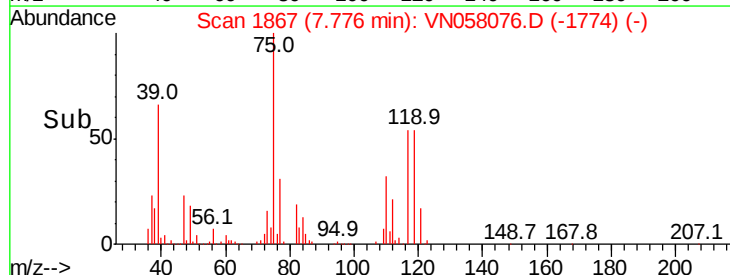
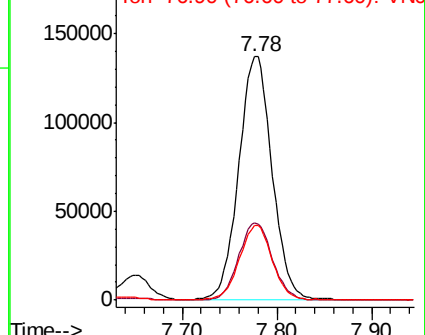


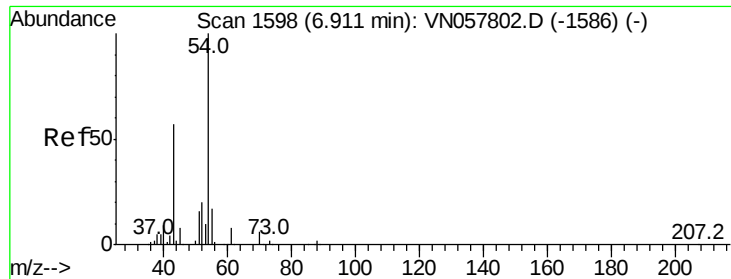
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

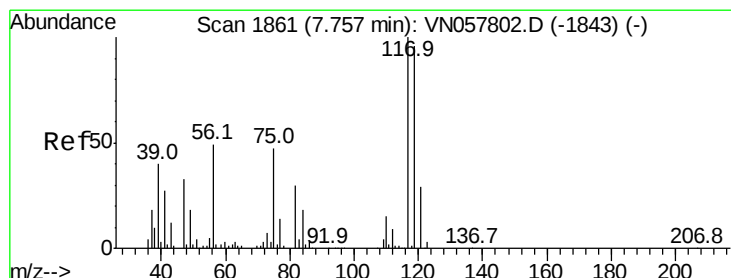
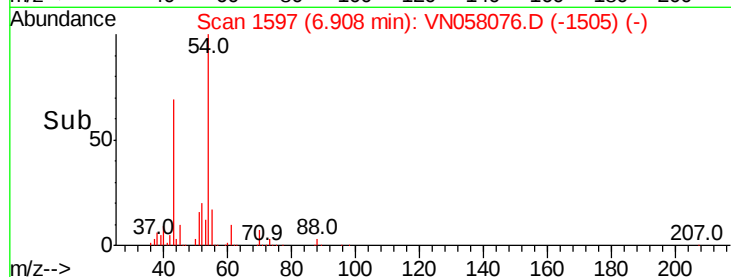
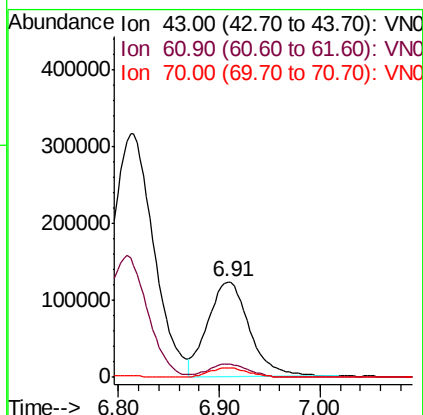
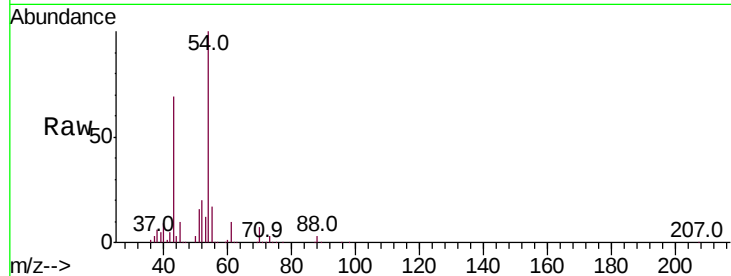




#37
Ethyl Acetate
Concen: 49.994 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

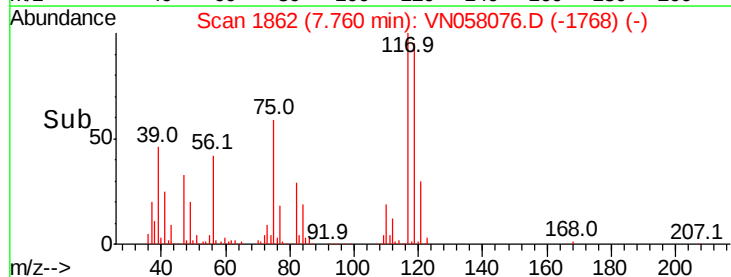
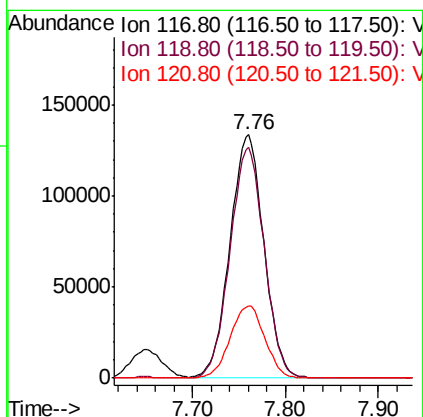
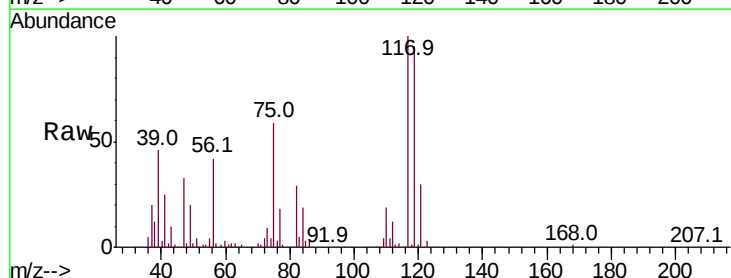
Instrument :
MSVOA_N
ClientSampled :

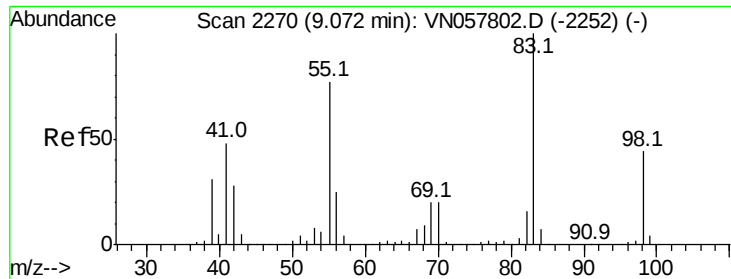
Tot Ion: 43 Resp: 354423
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.7 7.4 11.0



#38
Carbon Tetrachloride
Concen: 53.954 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 117 Resp: 338005
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3
121 29.8 23.4 35.2

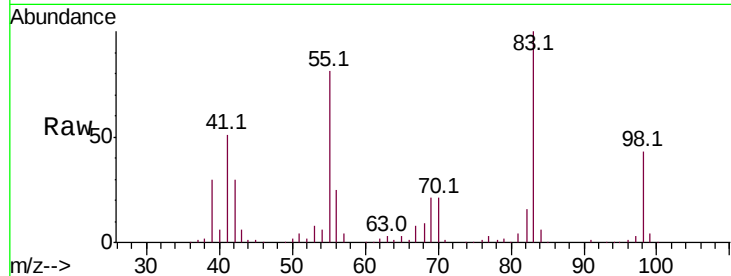




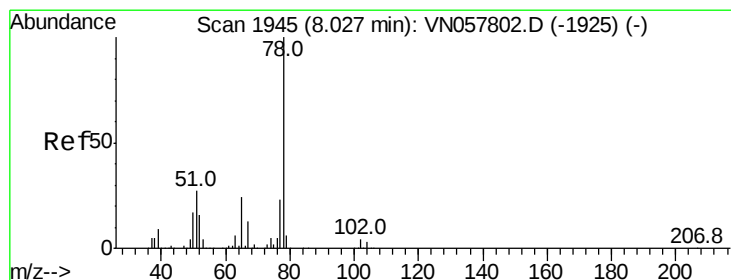
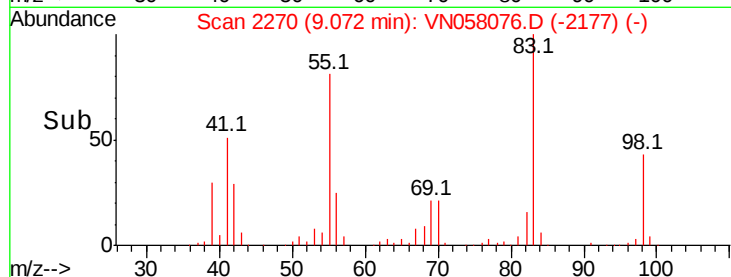
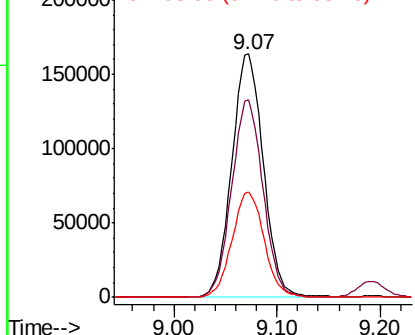
#39
Methvlcvclohexane
Concen: 48.566 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 350315
Ion Ratio Lower Upper
83 100
55 81.0 61.6 92.4
98 43.4 34.9 52.3

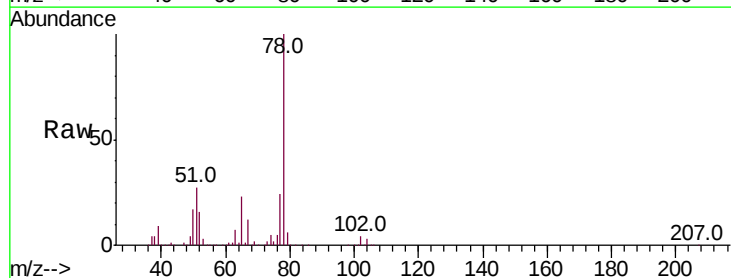


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

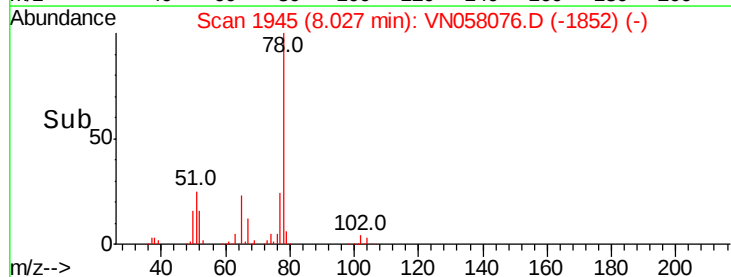
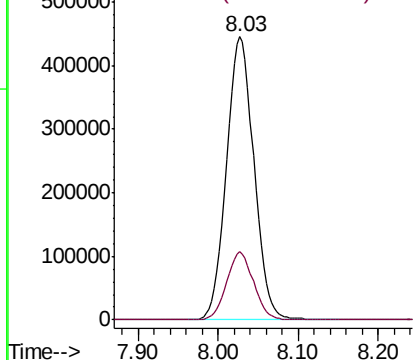


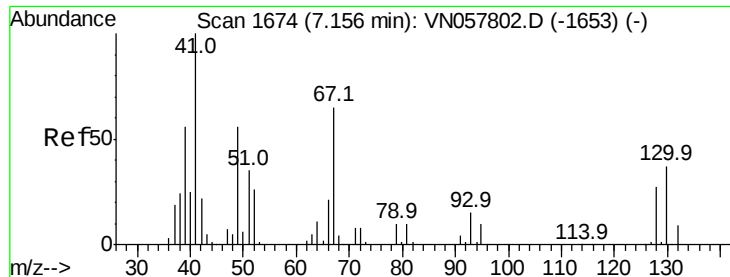
#40
Benzene
Concen: 50.464 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 78 Resp: 1042487
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





#41

Methacrylonitrile

Concen: 51.040 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 164250

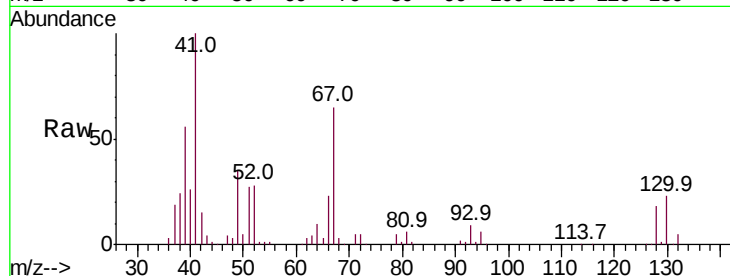
Ion Ratio Lower Upper

41 100

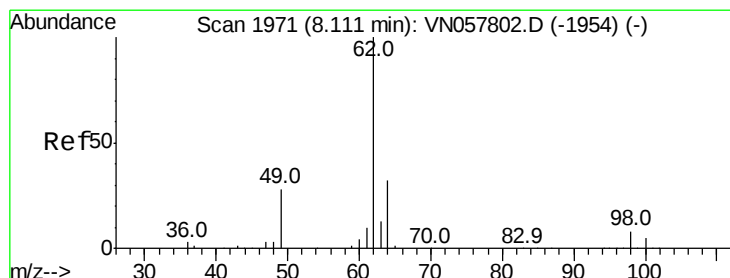
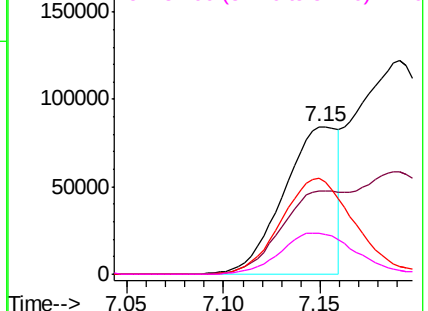
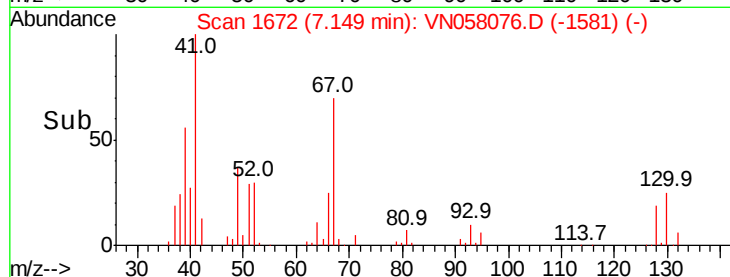
39 63.6 51.0 76.6

67 88.3 70.7 106.1

52 39.1 30.8 46.2



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



#42

1,2-Dichloroethane

Concen: 52.886 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058076.D

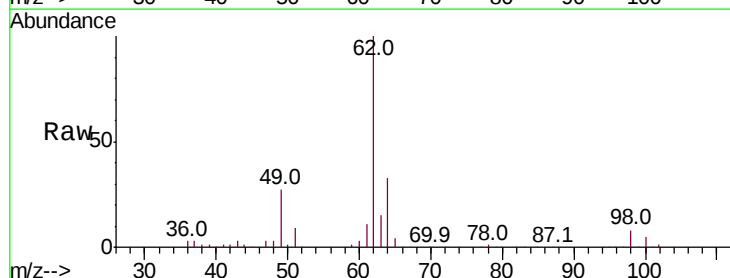
Acq: 15 Sep 2019 8:07

Tgt Ion: 62 Resp: 436933

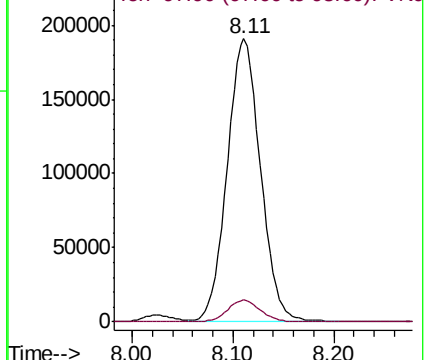
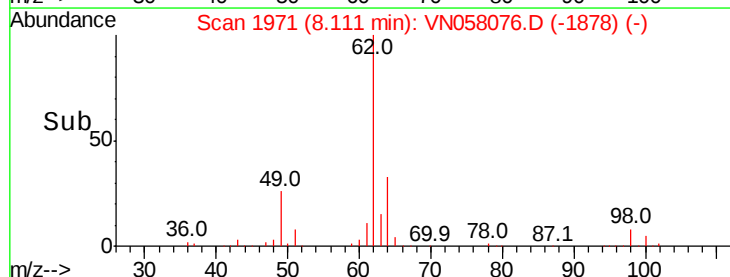
Ion Ratio Lower Upper

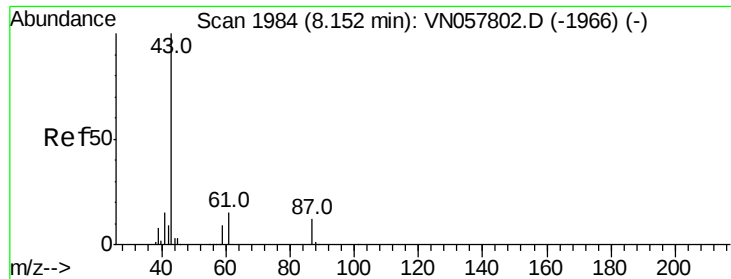
62 100

98 7.7 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 54.530 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :

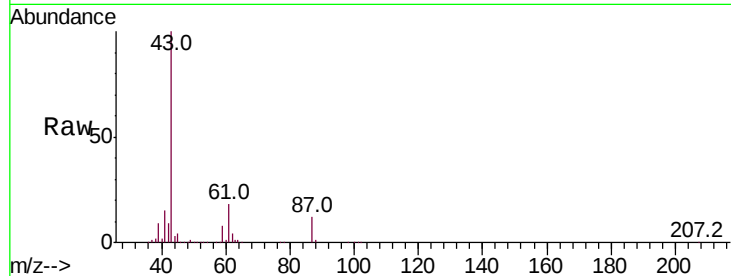
Tot Ion: 43 Resp: 650106

Ion Ratio Lower Upper

43 100

61 24.4 20.1 30.1

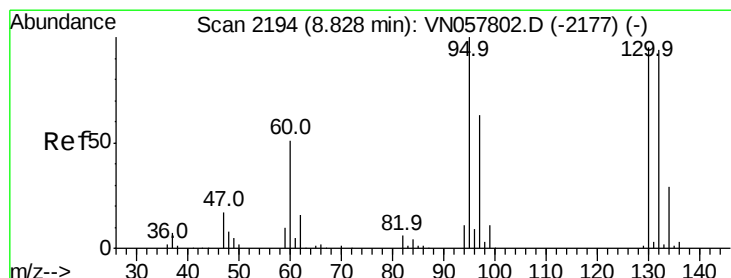
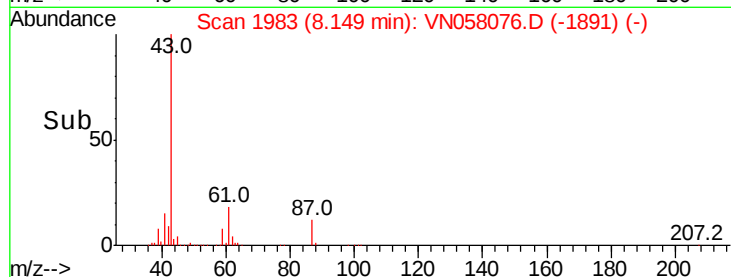
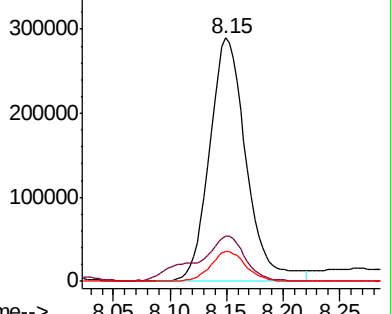
87 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 50.814 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058076.D

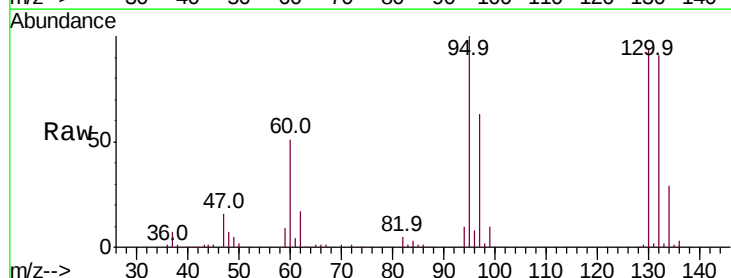
Acq: 15 Sep 2019 8:07

Tgt Ion: 130 Resp: 257466

Ion Ratio Lower Upper

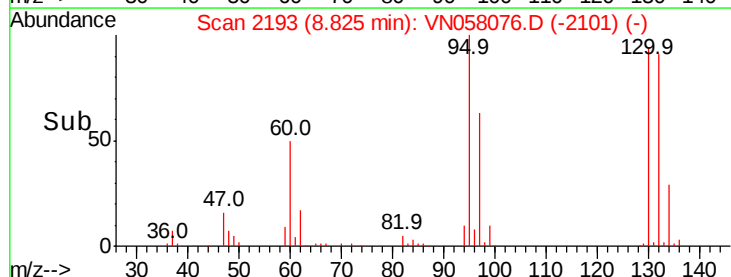
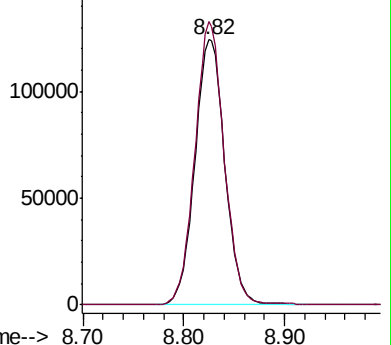
130 100

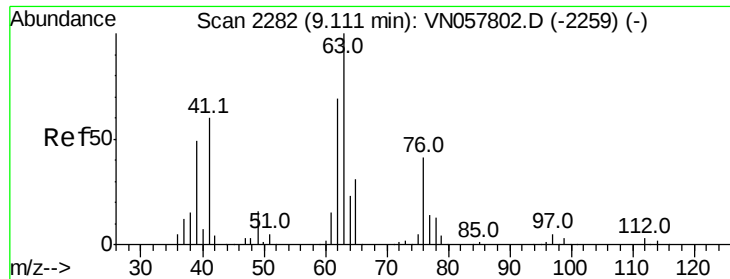
95 106.7 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 52.366 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

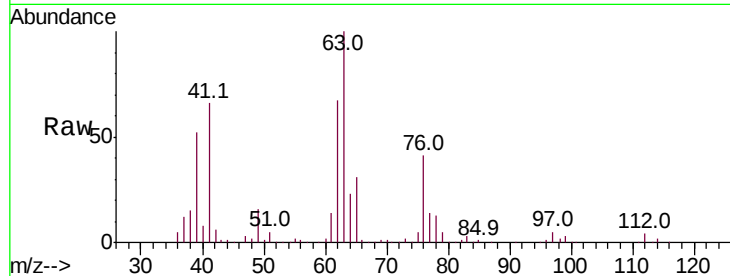
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 314782

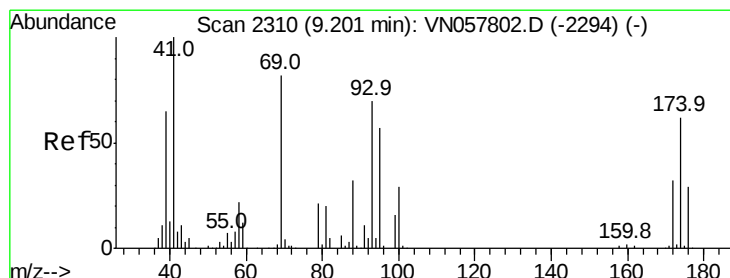
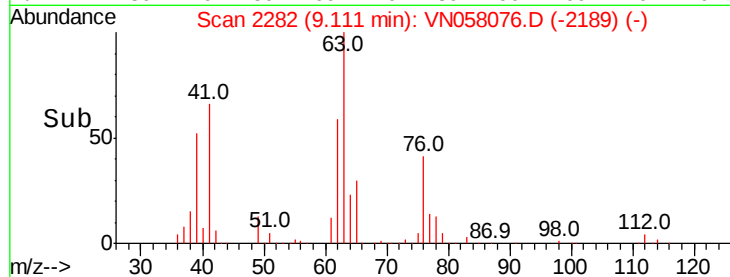
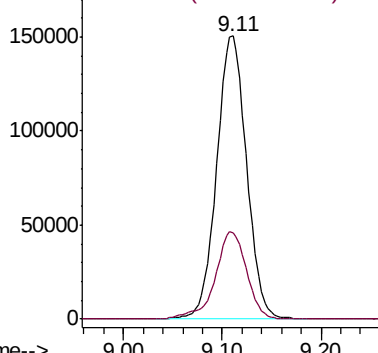
Ion Ratio Lower Upper

63 100

65 30.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VNC
Ion 64.90 (64.60 to 65.60): VNC



#46

Dibromomethane

Concen: 53.045 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

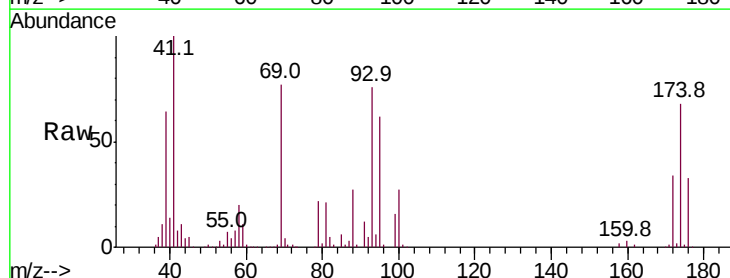
Tgt Ion: 93 Resp: 192683

Ion Ratio Lower Upper

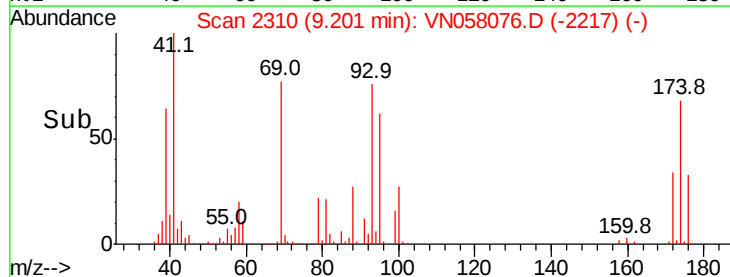
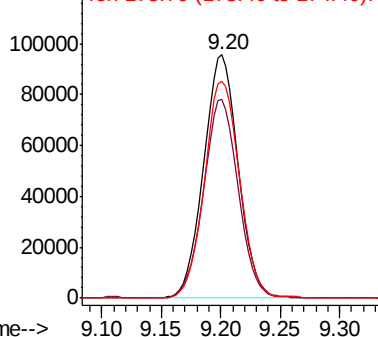
93 100

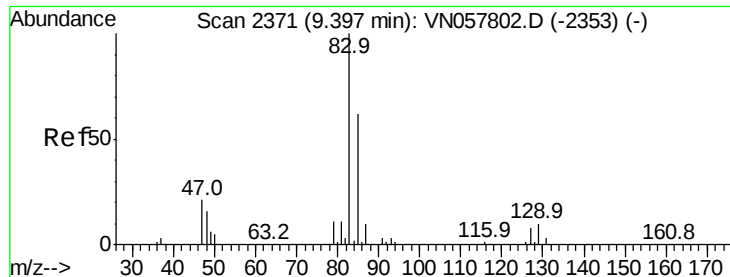
95 82.0 65.9 98.9

174 90.5 71.8 107.6



Abundance Ion 92.80 (92.50 to 93.50): VNC
Ion 94.80 (94.50 to 95.50): VNC
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.959 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

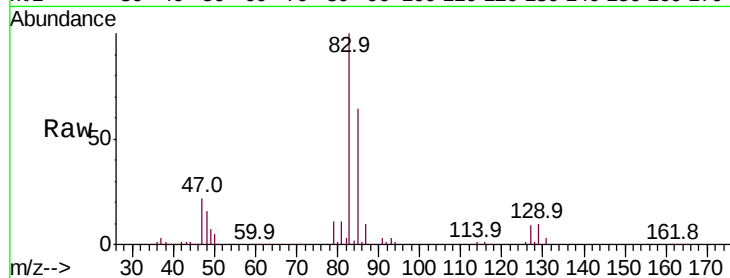
Tot Ion: 83 Resp: 405905

Ion Ratio Lower Upper

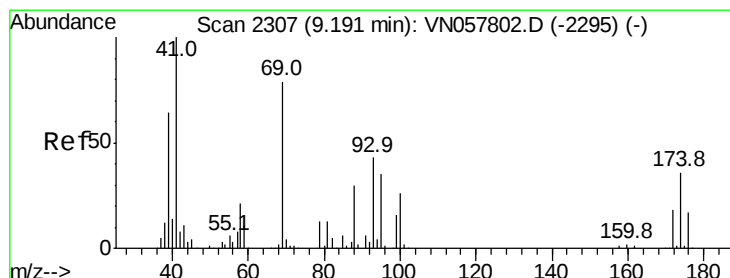
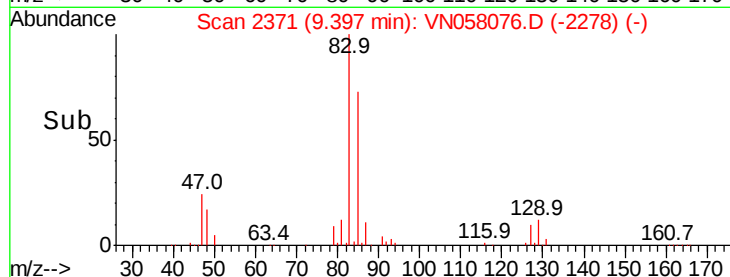
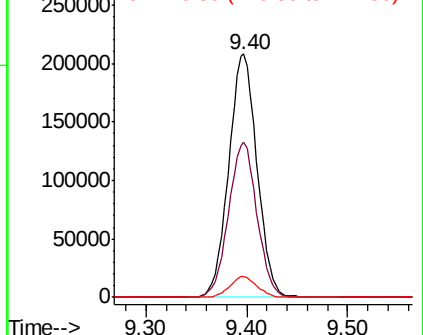
83 100

85 63.9 49.9 74.9

127 8.5 6.5 9.7



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



#48

Methyl methacrylate

Concen: 52.067 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

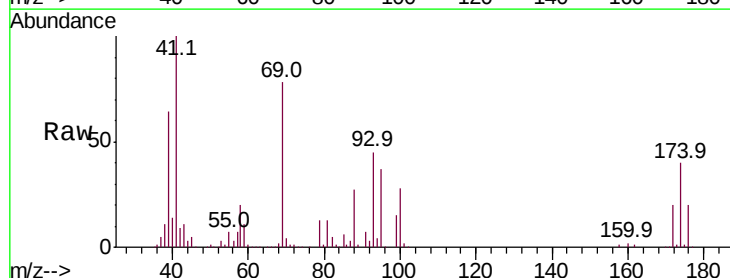
Tgt Ion: 41 Resp: 314879

Ion Ratio Lower Upper

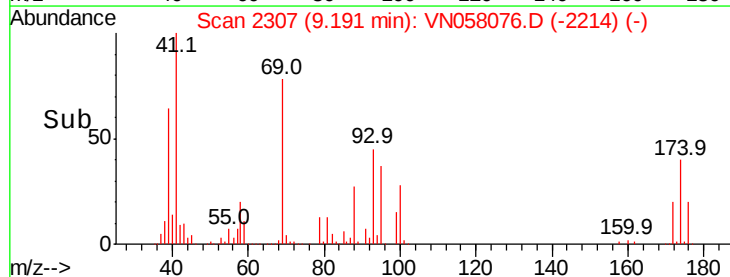
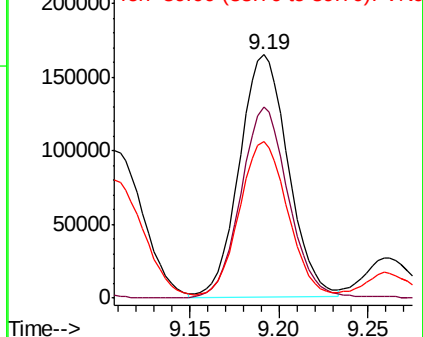
41 100

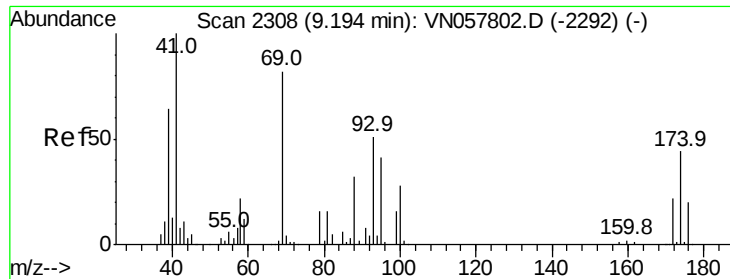
69 77.0 62.7 94.1

39 64.4 52.7 79.1



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

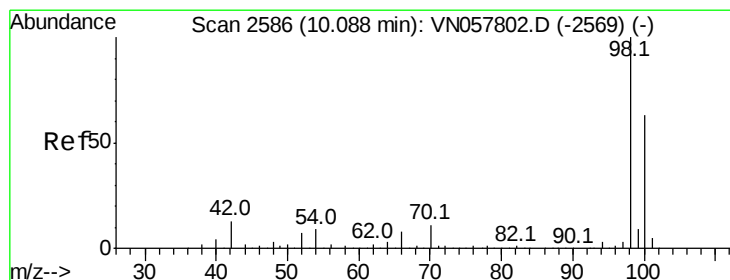
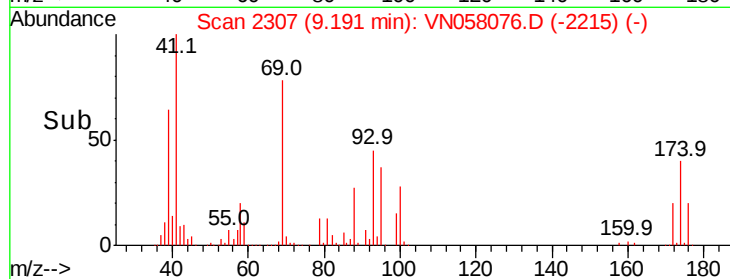
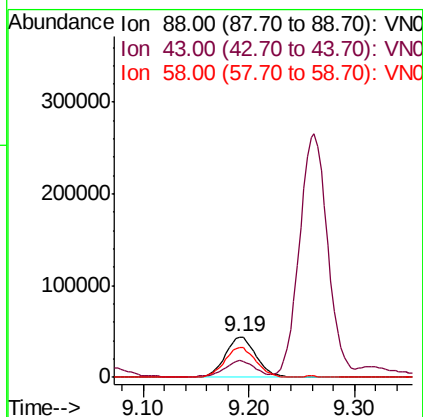
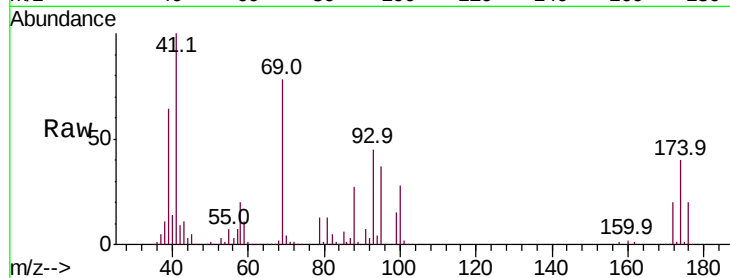




#49
1,4-Dioxane
Concen: 878.838 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

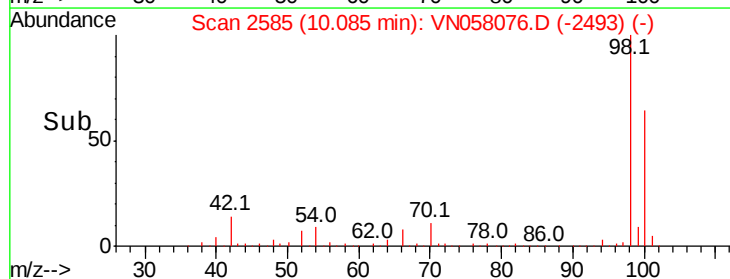
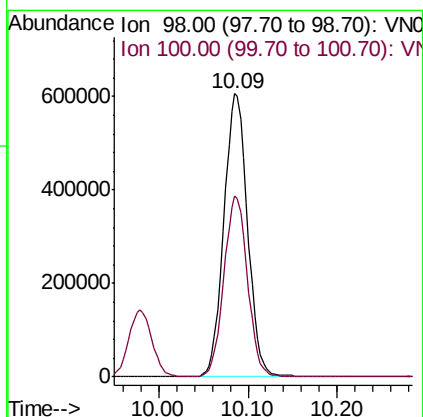
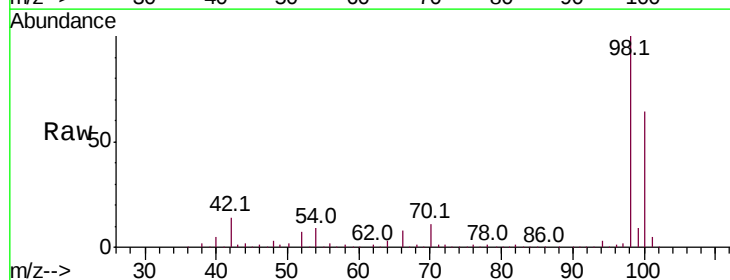
Instrument :
MSVOA_N
ClientSampleId :

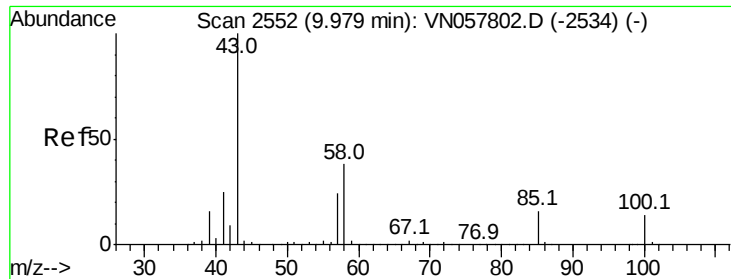
Tot Ion: 88 Resp: 89879
Ion Ratio Lower Upper
88 100
43 37.7 28.5 42.7
58 74.3 55.8 83.6



#50
Toluene-d8
Concen: 52.534 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 98 Resp: 1113797
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 273.204 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

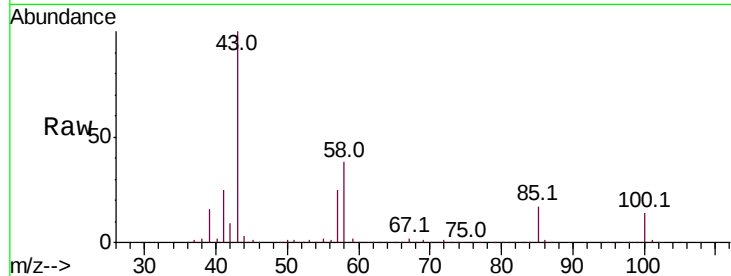
ClientSampleId :

Tot Ion: 43 Resp: 1927466

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

1200000

1000000

800000

600000

400000

200000

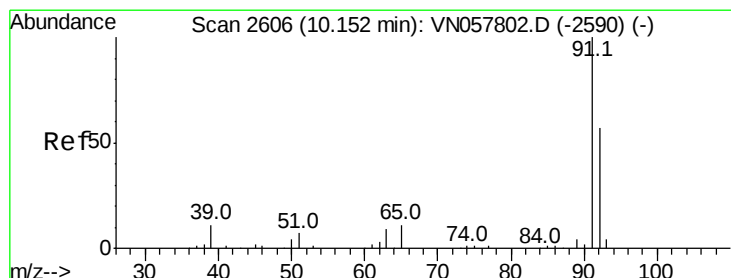
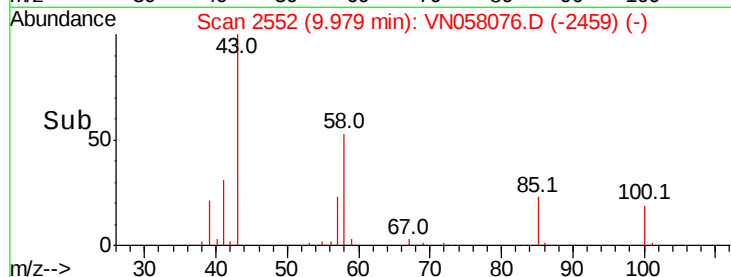
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 51.212 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058076.D

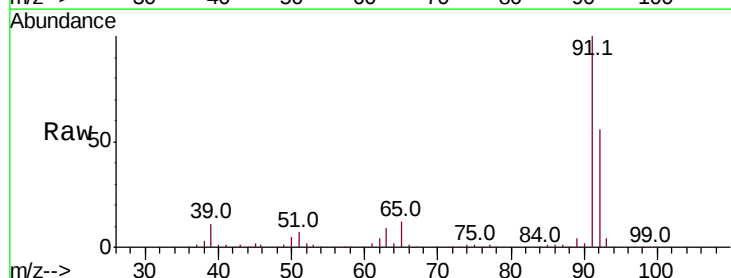
Acq: 15 Sep 2019 8:07

Tgt Ion: 92 Resp: 666323

Ion Ratio Lower Upper

92 100

91 176.3 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

600000

400000

200000

0

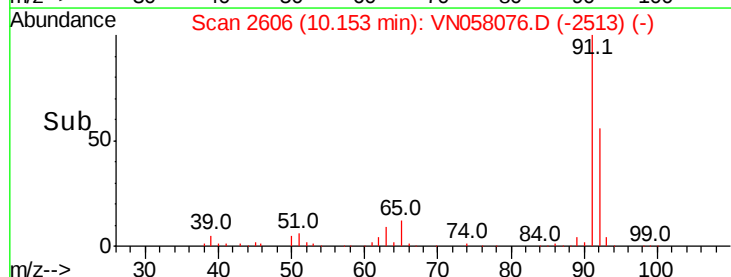
10.10

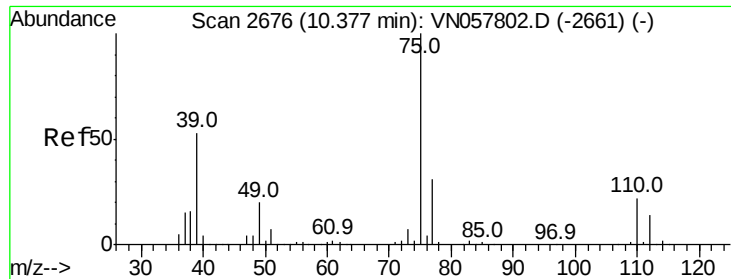
10.15

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.380 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

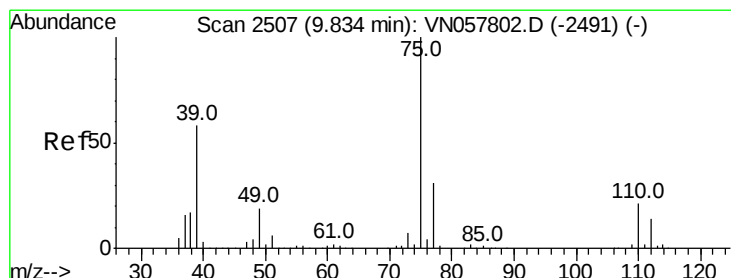
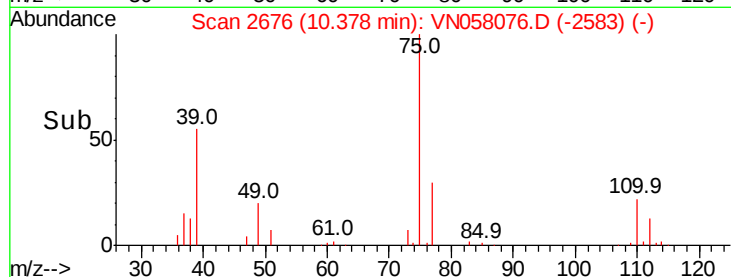
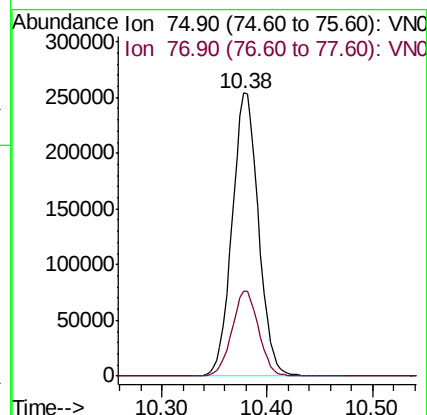
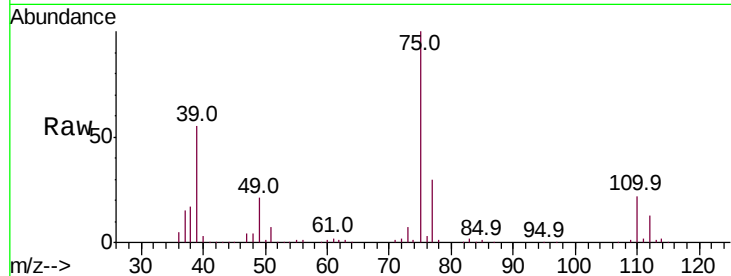
ClientSampleId :

Tot Ion: 75 Resp: 438296

Ion Ratio Lower Upper

75 100

77 30.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 55.434 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

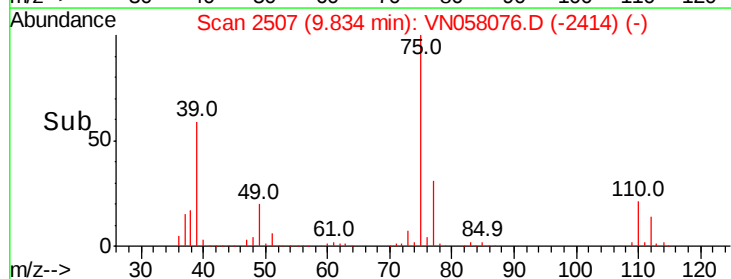
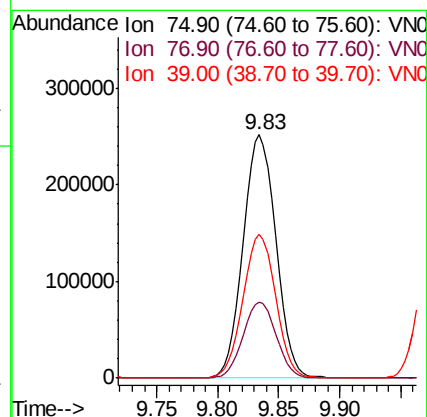
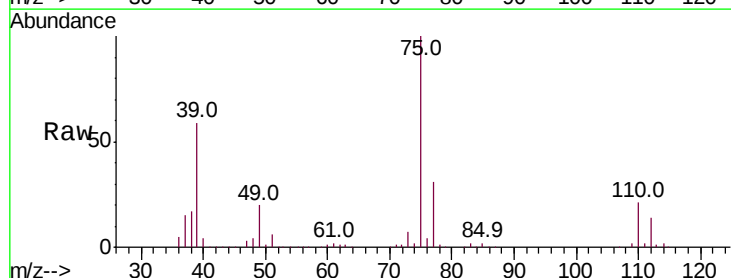
Tgt Ion: 75 Resp: 467498

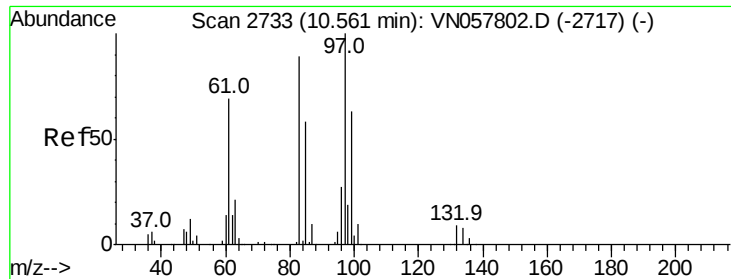
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 59.1 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 53.527 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

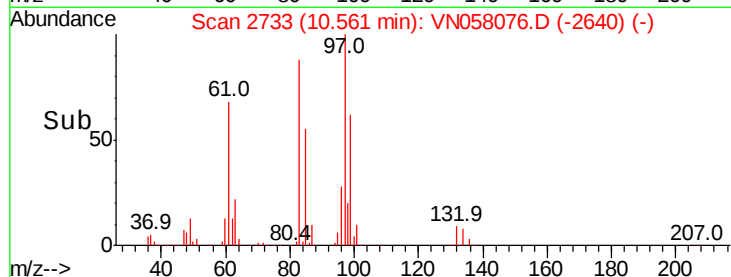
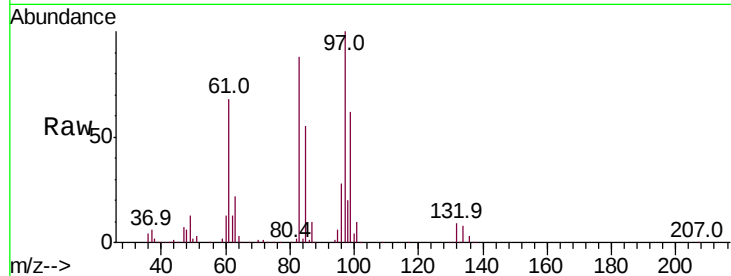
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 295010

Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.8	106.2
85	54.9	46.0	69.0
99	62.2	50.6	76.0



Abundance

Ion 96.90 (96.60 to 97.60): VN0

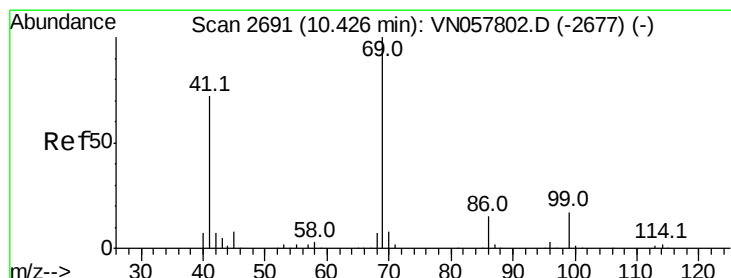
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 53.791 ug/l

RT: 10.43 min Scan# 2691

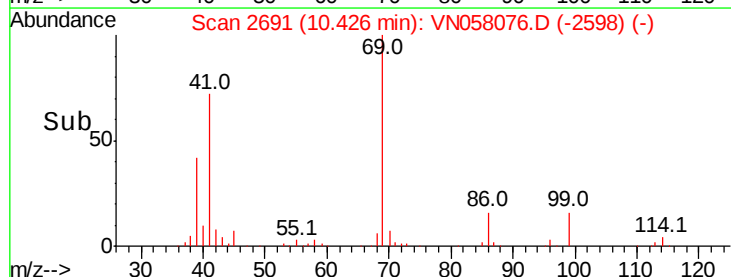
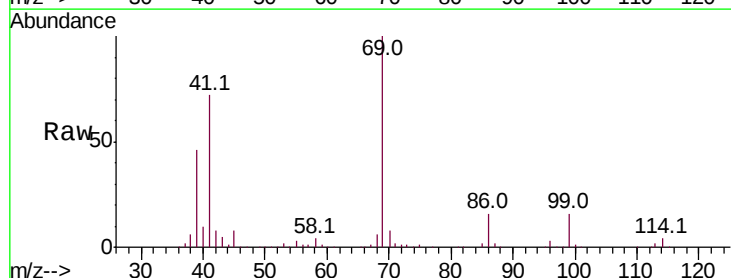
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion: 69 Resp: 446442

Ion	Ratio	Lower	Upper
69	100		
41	72.4	56.7	85.1
39	45.3	36.3	54.5



Abundance

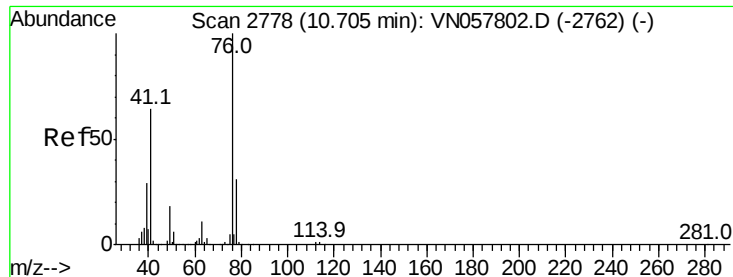
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->



#57

1,3-Dichloropropane

Concen: 53.031 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

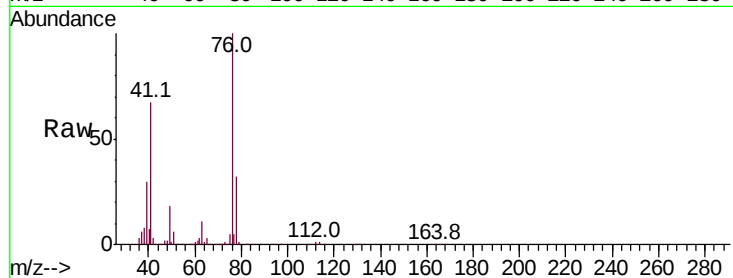
ClientSampled :

Tot Ion: 76 Resp: 503701

Ion Ratio Lower Upper

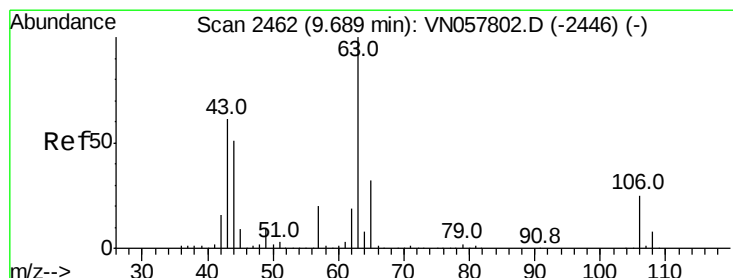
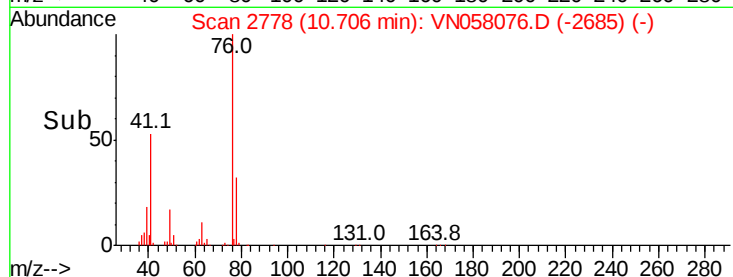
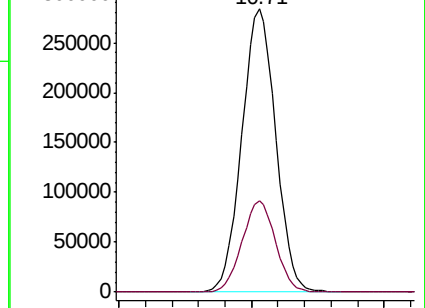
76 100

78 32.0 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 267.779 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058076.D

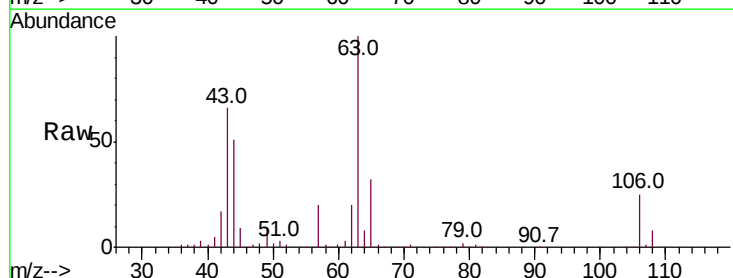
Acq: 15 Sep 2019 8:07

Tgt Ion: 63 Resp: 1046758

Ion Ratio Lower Upper

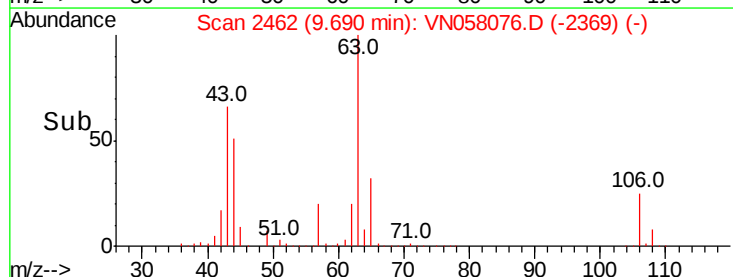
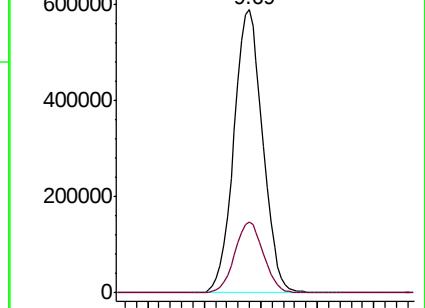
63 100

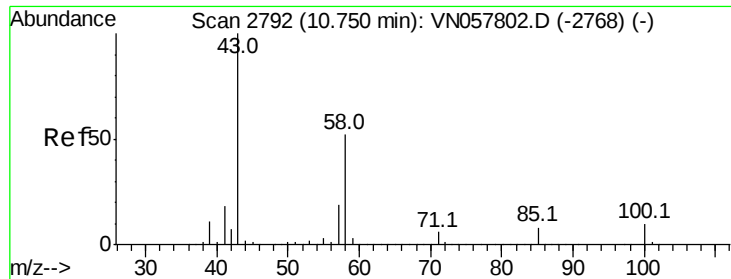
106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 269.170 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

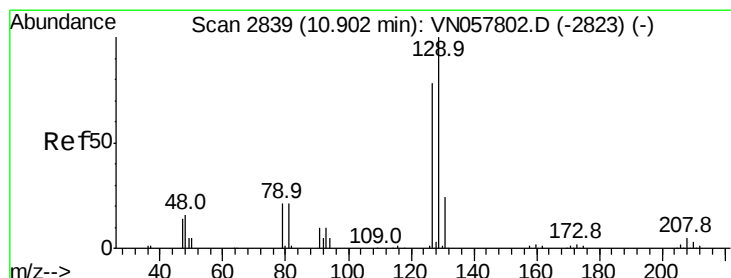
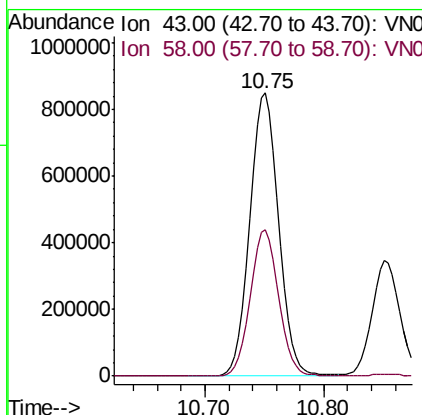
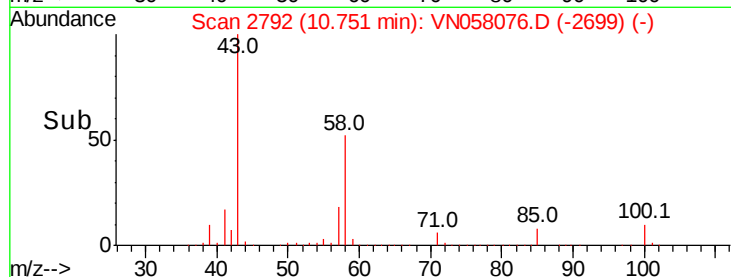
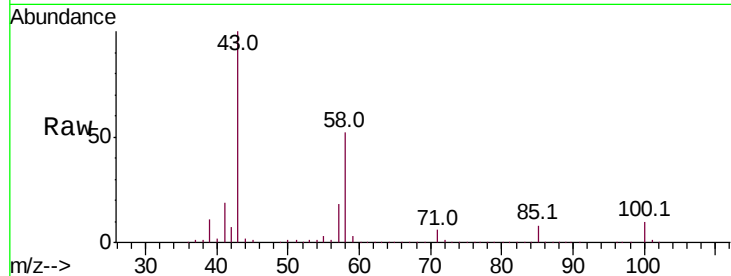
ClientSampled :

Tot Ion: 43 Resp: 1423380

Ion Ratio Lower Upper

43 100

58 51.1 25.6 76.8



#60

Dibromochloromethane

Concen: 58.436 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058076.D

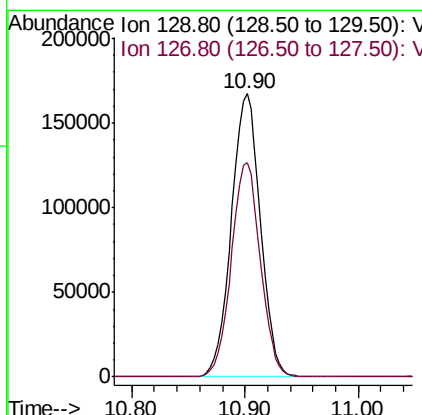
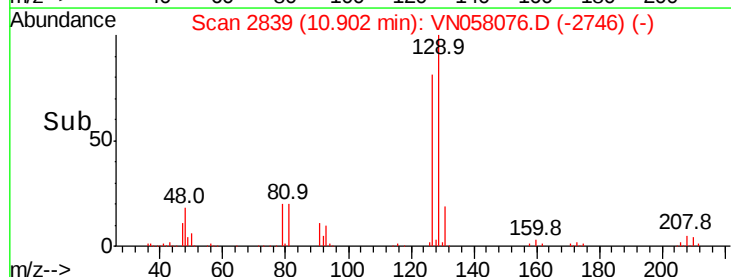
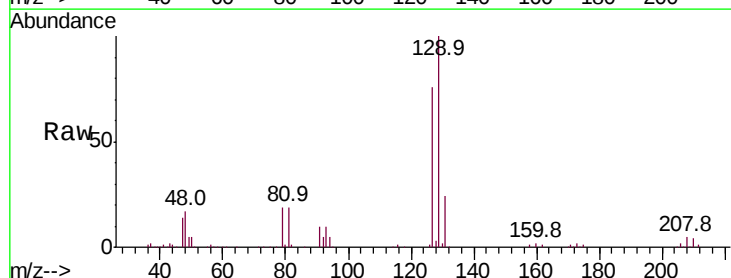
Acq: 15 Sep 2019 8:07

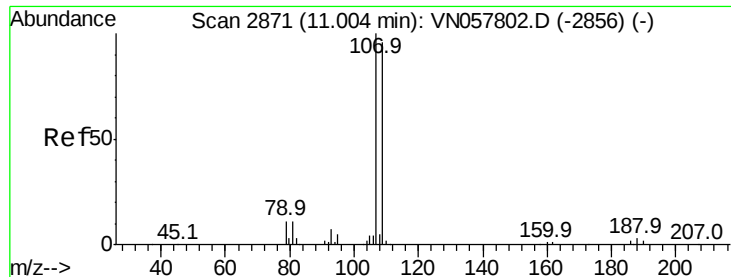
Tgt Ion: 129 Resp: 299069

Ion Ratio Lower Upper

129 100

127 75.8 38.6 116.0

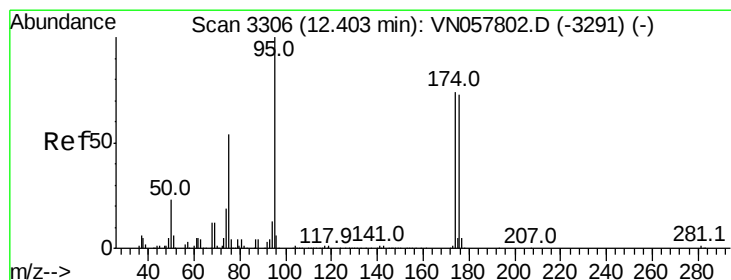
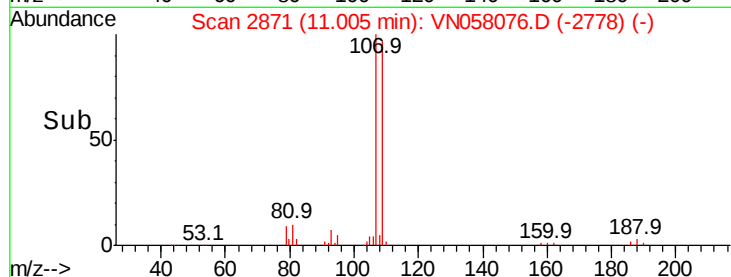
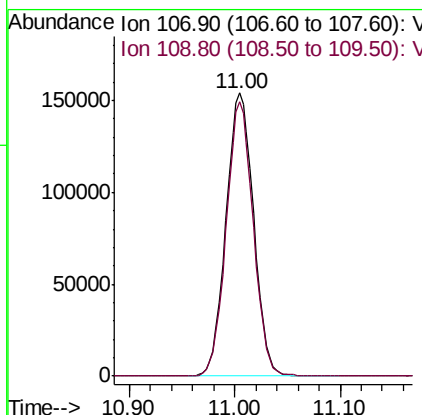
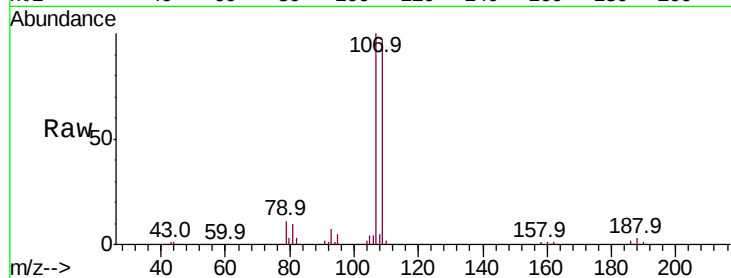




#61
 1,2-Dibromoethane
 Concen: 53.352 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

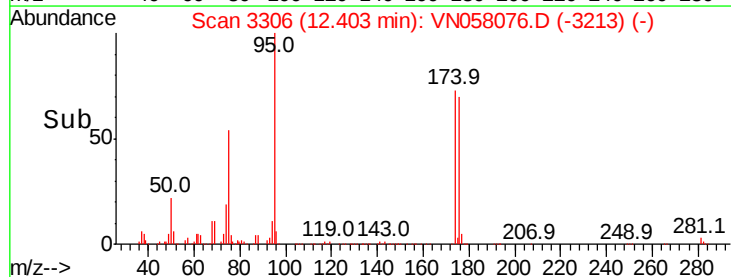
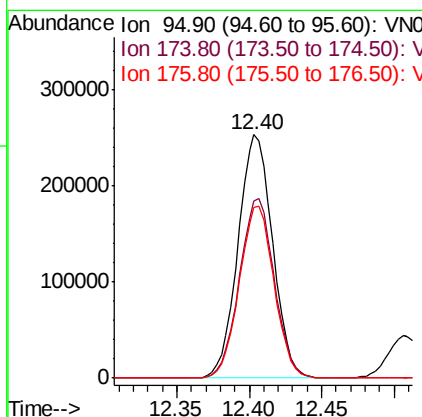
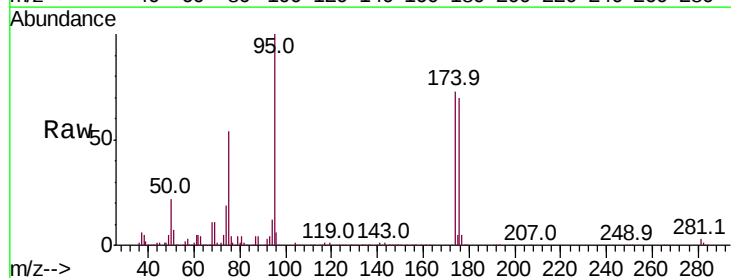
Instrument :
 MSVOA_N
 ClientSampleId :

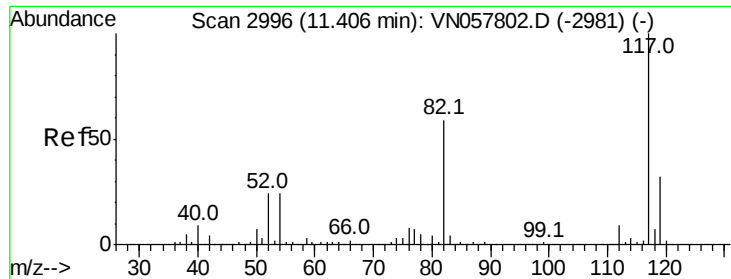
Tot Ion:107 Resp: 277991
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 51.847 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion: 95 Resp: 418907
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 150.2
 176 71.0 0.0 146.0

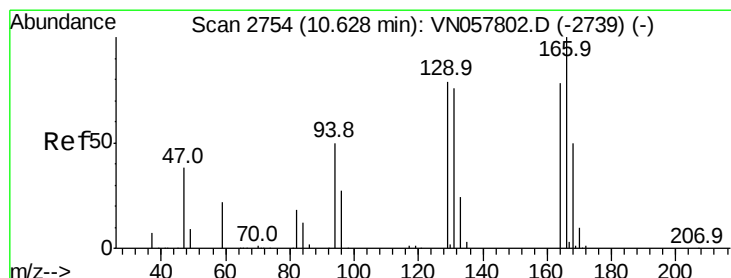
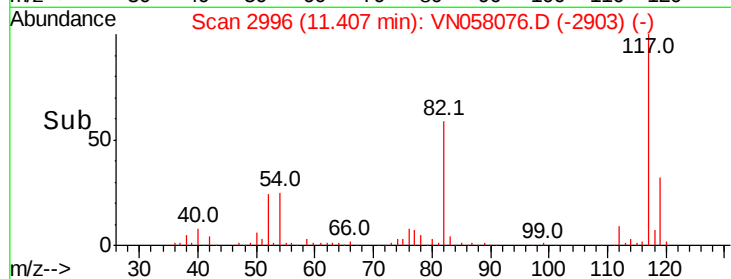
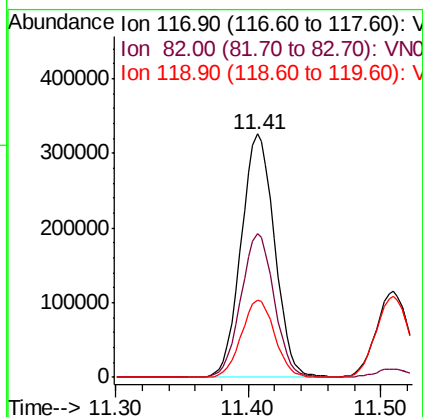
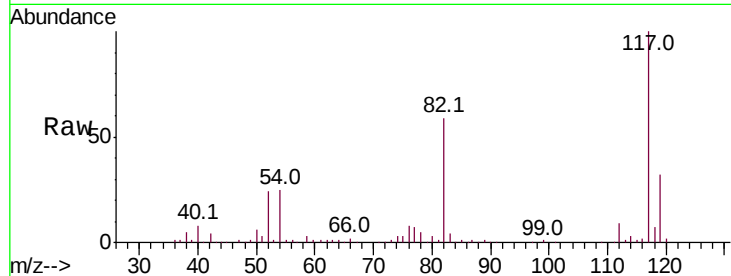




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

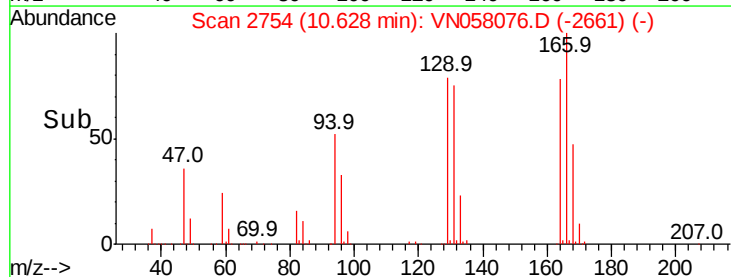
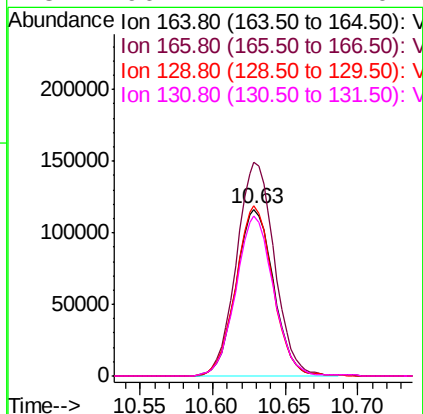
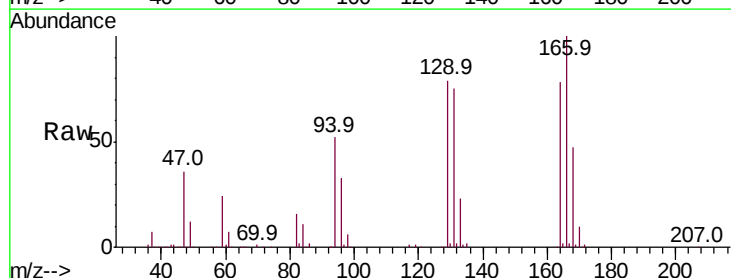
Instrument :
MSVOA_N
ClientSampled :

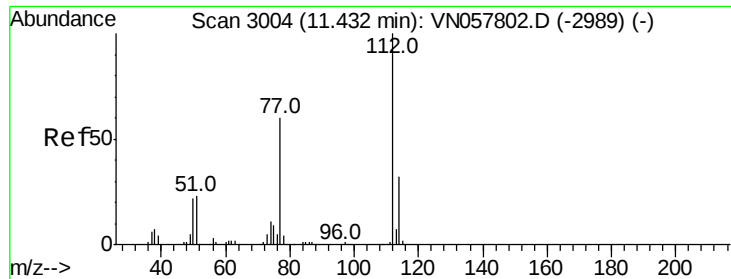
Tot Ion:117 Resp: 571928
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 31.6 25.3 37.9



#64
Tetrachloroethene
Concen: 49.692 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion:164 Resp: 209840
Ion Ratio Lower Upper
164 100
166 128.0 102.2 153.2
129 101.8 80.8 121.2
131 96.1 77.4 116.2





#65

Chlorobenzene

Concen: 51.050 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

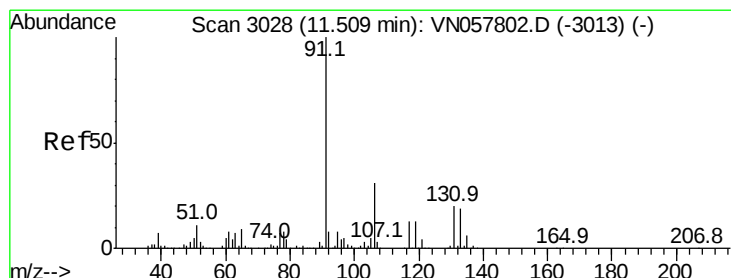
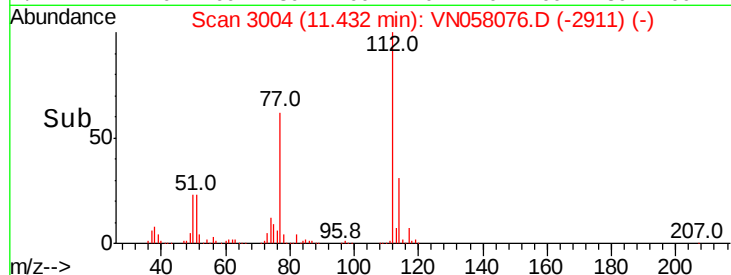
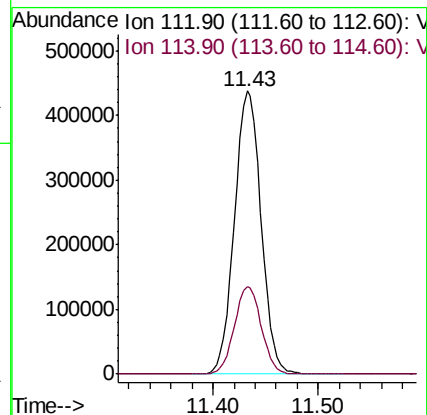
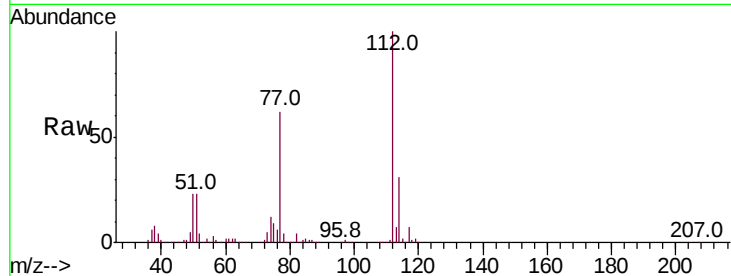
ClientSampled :

Tot Ion:112 Resp: 764111

Ion Ratio Lower Upper

112 100

114 31.2 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 54.856 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

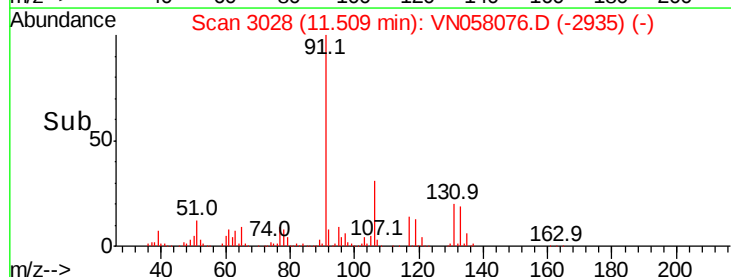
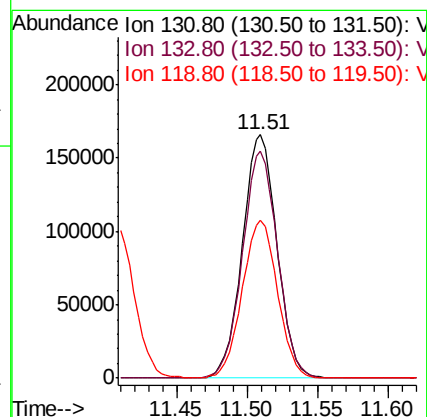
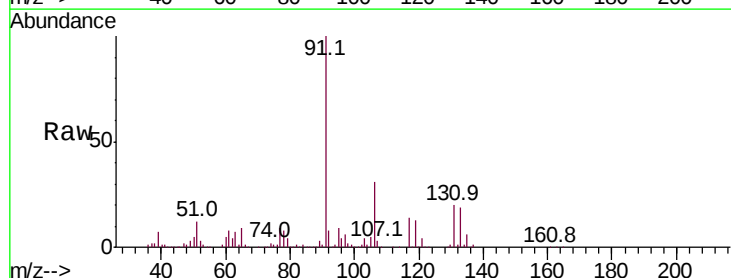
Tgt Ion:131 Resp: 284908

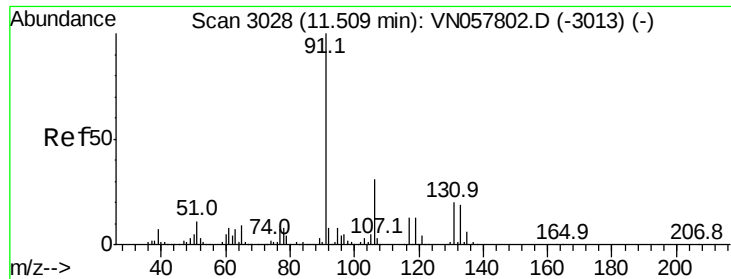
Ion Ratio Lower Upper

131 100

133 94.8 47.1 141.3

119 66.3 33.3 99.8

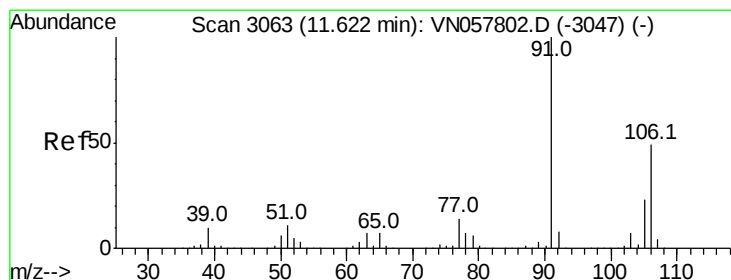
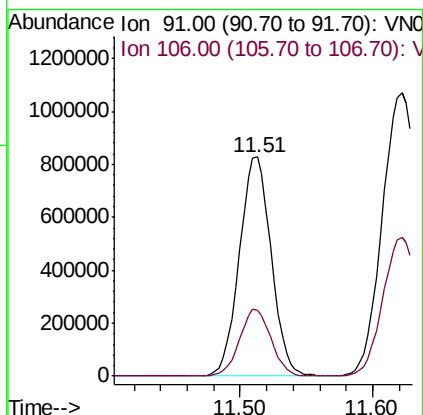
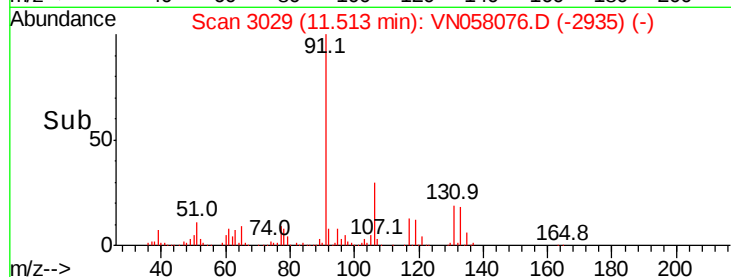
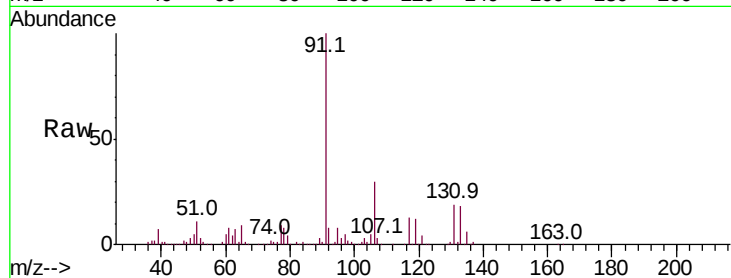




#67
Ethyl Benzene
Concen: 52.637 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

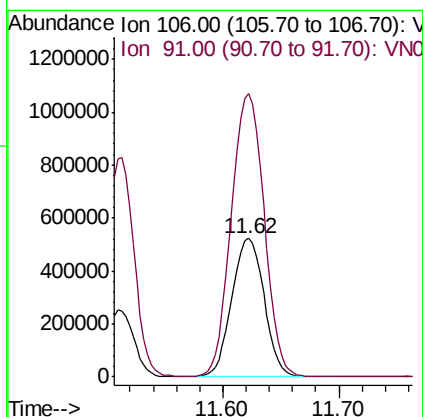
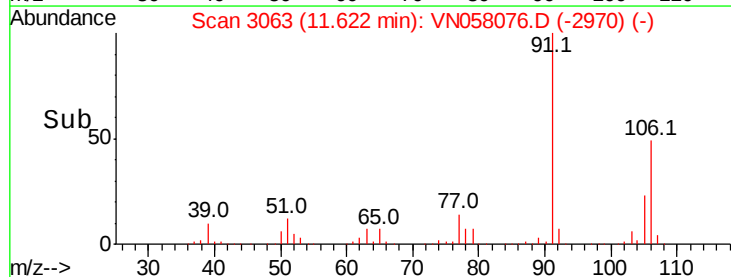
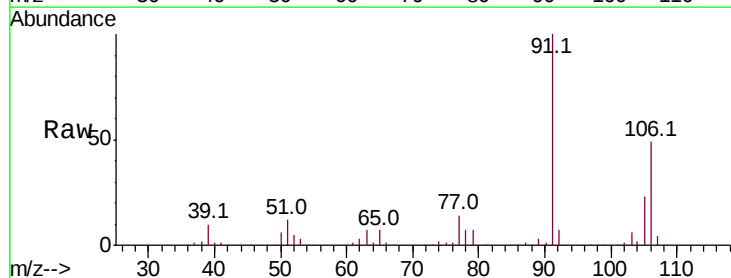
Instrument :
MSVOA_N
ClientSampled :

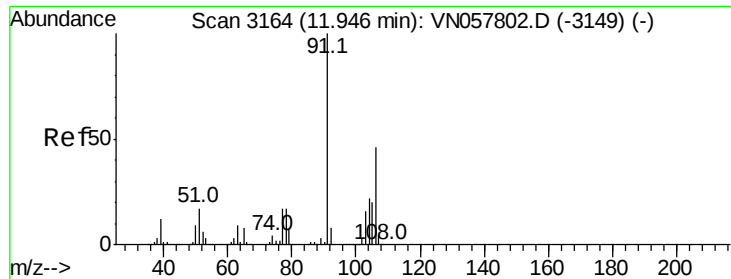
Tot Ion: 91 Resp: 1380753
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 105.313 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion:106 Resp: 1011911
Ion Ratio Lower Upper
106 100
91 208.0 165.8 248.6

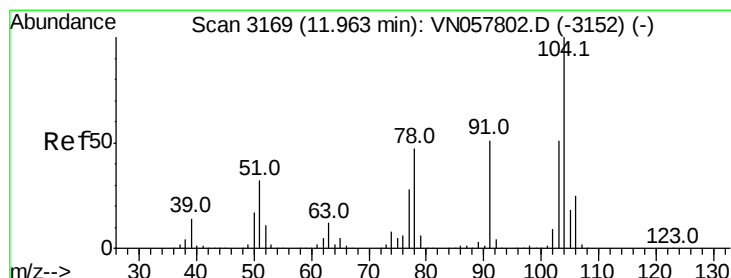
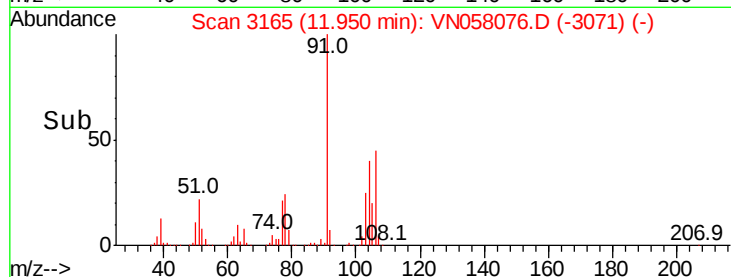
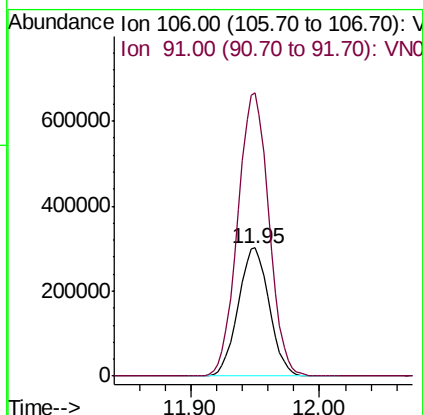
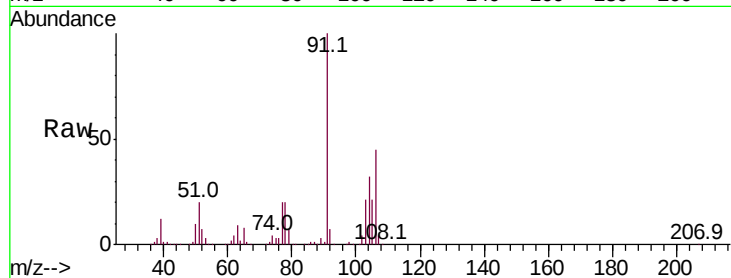




#69
o-Xylene
Concen: 52.673 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

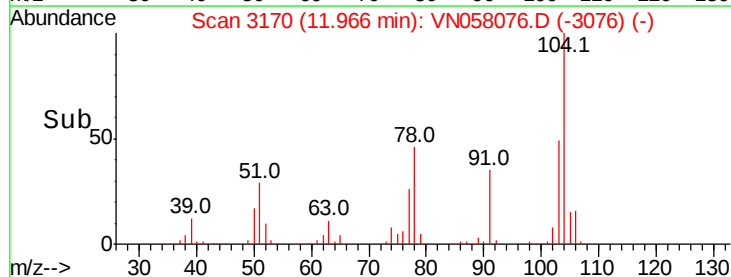
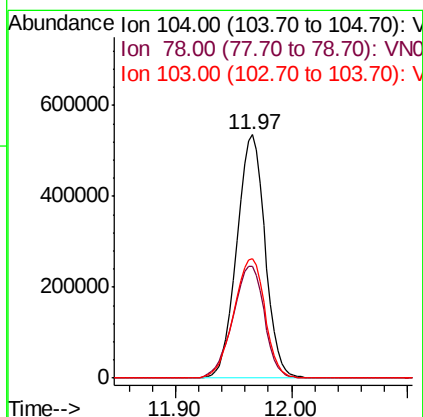
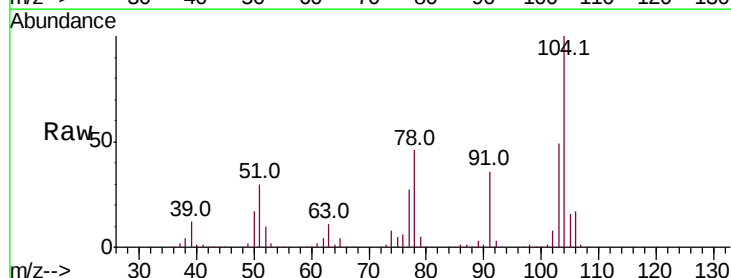
Instrument :
MSVOA_N
ClientSampled :

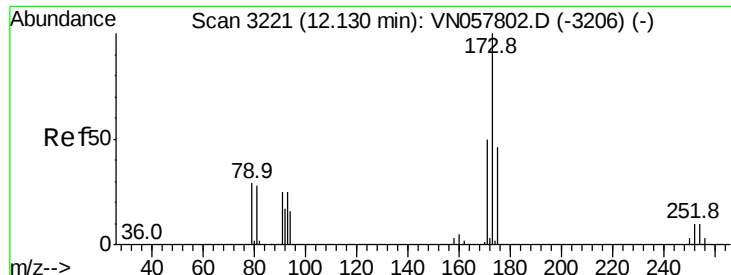
Tot Ion:106 Resp: 503151
Ion Ratio Lower Upper
106 100
91 222.6 108.7 326.1



#70
Styrene
Concen: 54.918 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion:104 Resp: 902822
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 54.4 43.7 65.5





#71

Bromoform

Concen: 58.328 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

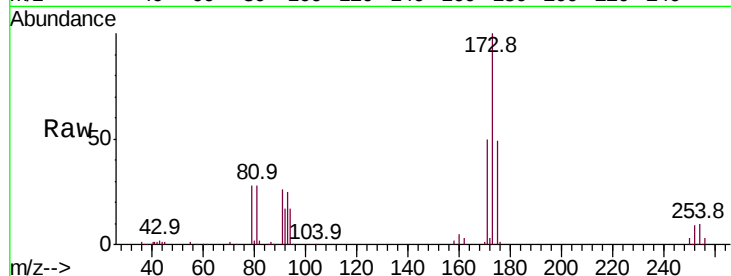
Tot Ion:173 Resp: 188873

Ion Ratio Lower Upper

173 100

175 48.3 23.5 70.6

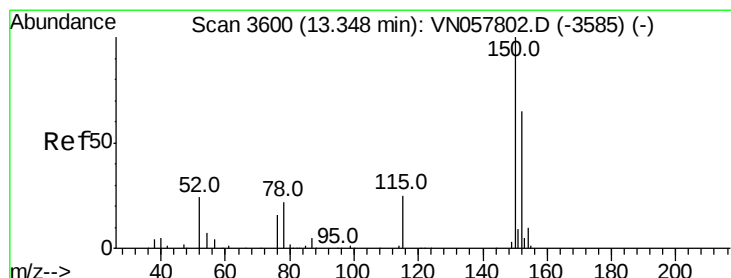
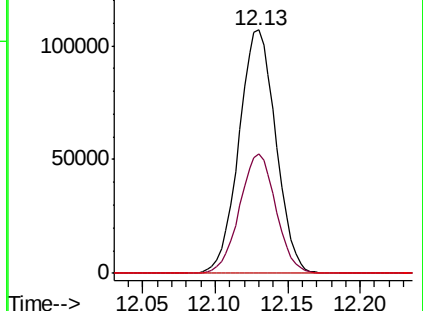
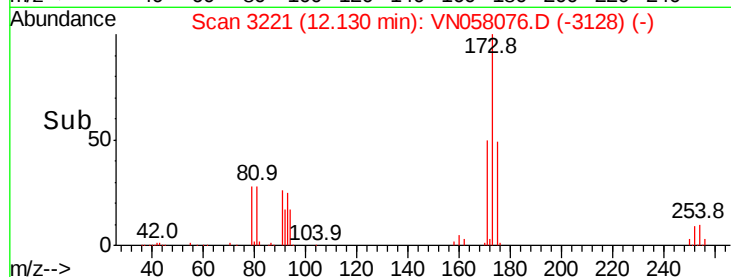
254 0.1 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

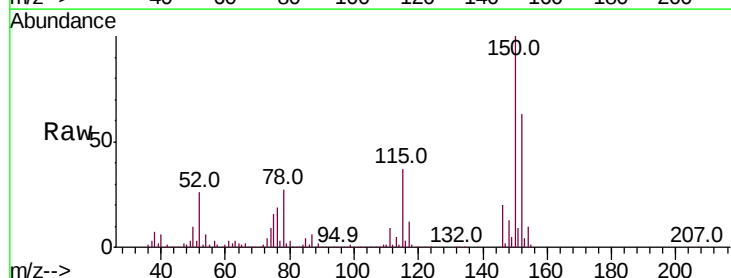
Tgt Ion:152 Resp: 349155

Ion Ratio Lower Upper

152 100

115 60.6 30.3 91.0

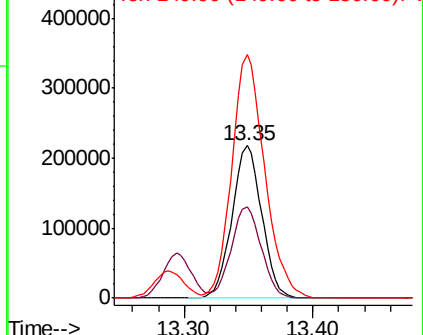
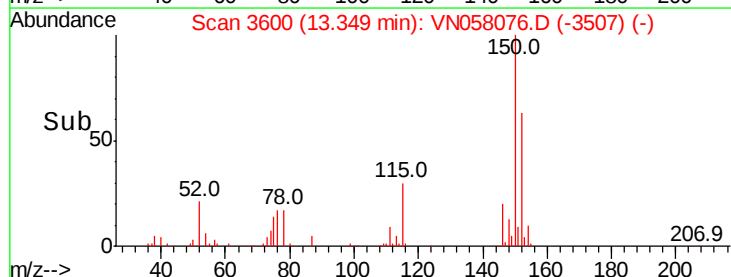
150 176.8 0.0 352.4

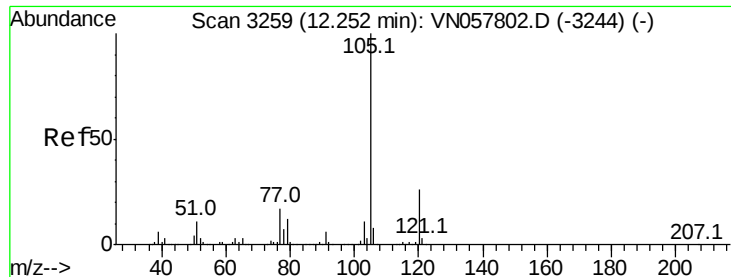


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.979 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

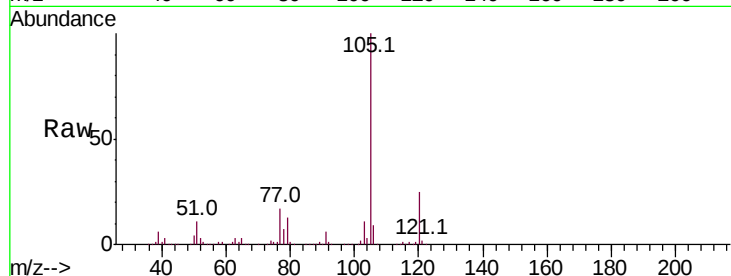
ClientSampleId :

Tot Ion:105 Resp: 1408274

Ion Ratio Lower Upper

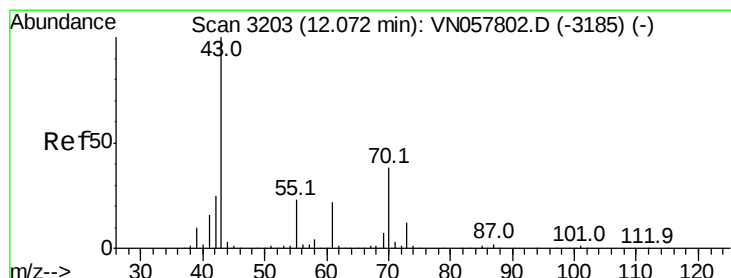
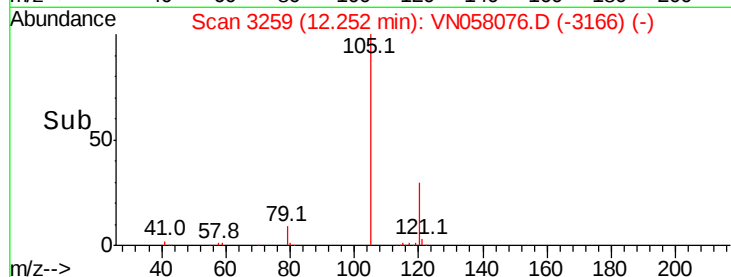
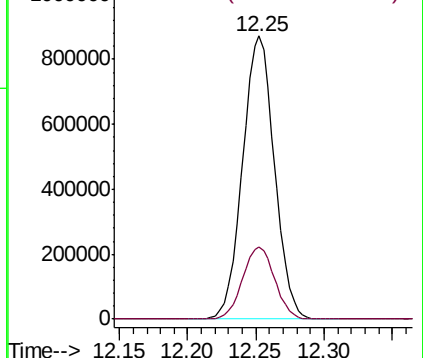
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.347 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion: 43 Resp: 593649

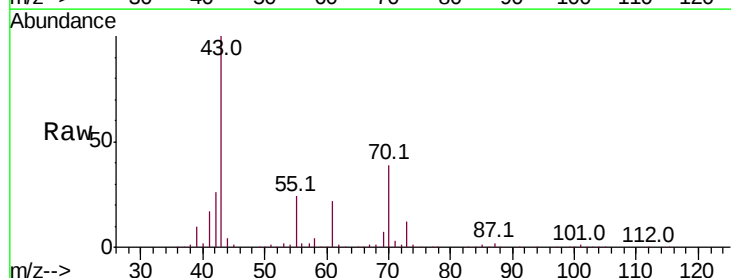
Ion Ratio Lower Upper

43 100

70 39.1 30.6 45.8

55 24.0 18.6 27.8

61 22.5 17.4 26.2

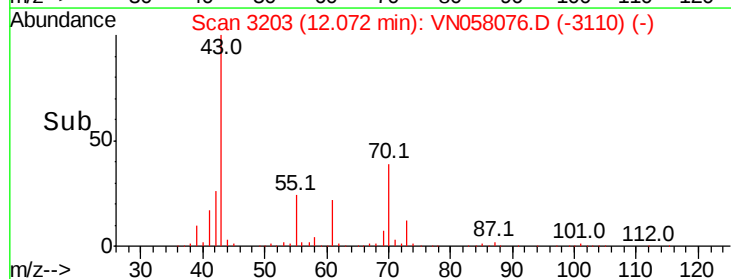
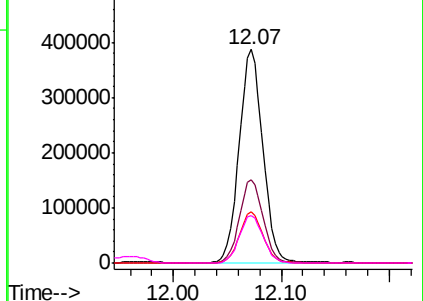


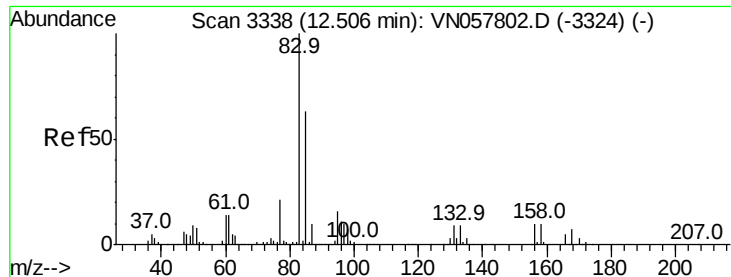
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.757 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

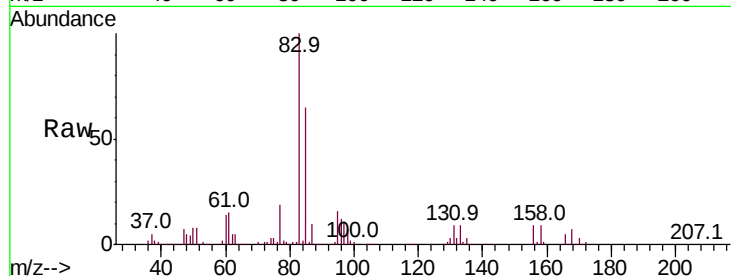
Tot Ion: 83 Resp: 453896

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.8	31.6	94.7

83 100

131 9.5 4.8 14.3

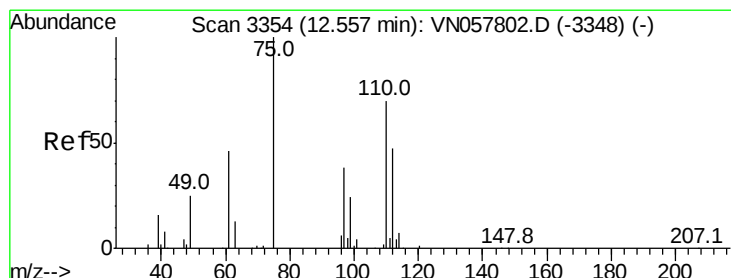
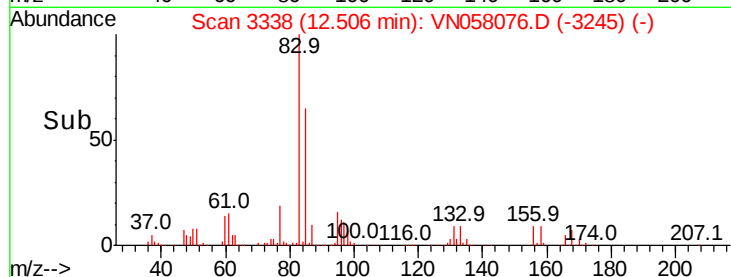
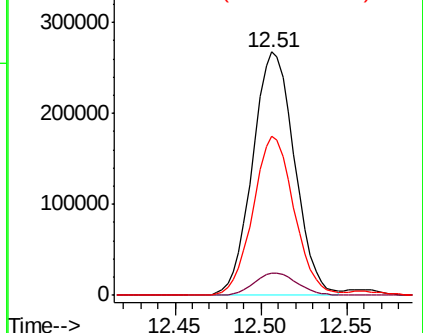
85 63.8 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 69.732 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058076.D

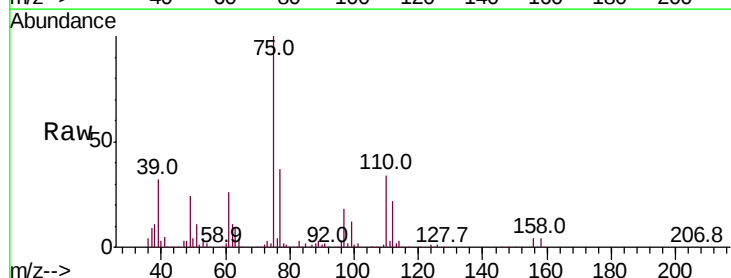
Acq: 15 Sep 2019 8:07

Tgt Ion: 75 Resp: 550777

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

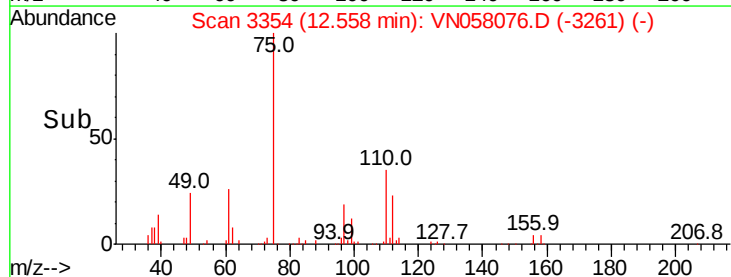
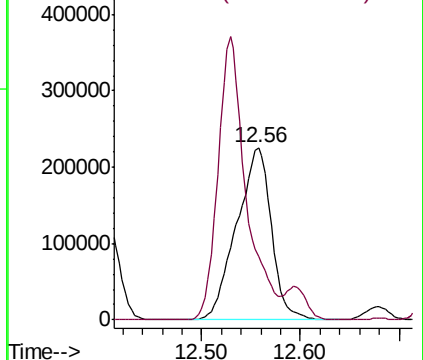
75 100

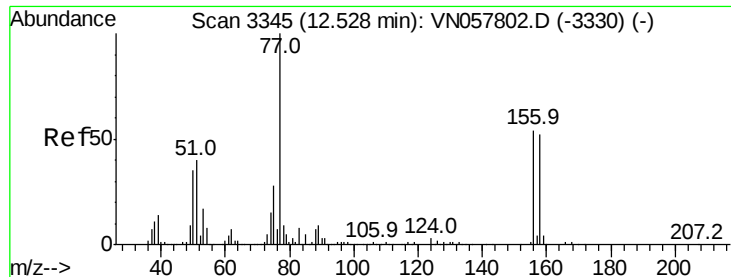
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.119 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

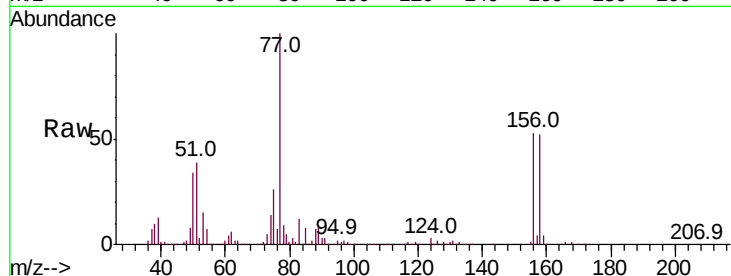
Tot Ion:156 Resp: 331794

Ion Ratio Lower Upper

156 100

77 223.8 113.7 341.1

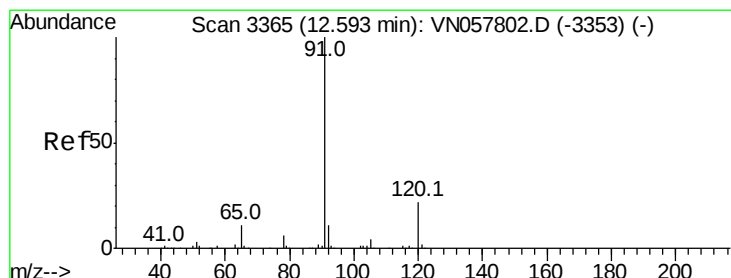
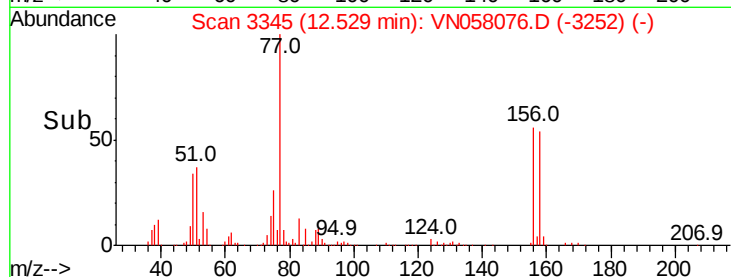
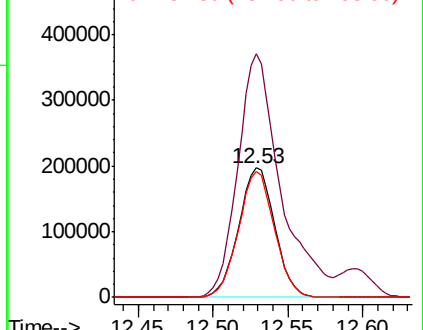
158 96.7 48.5 145.6



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: 53.757 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058076.D

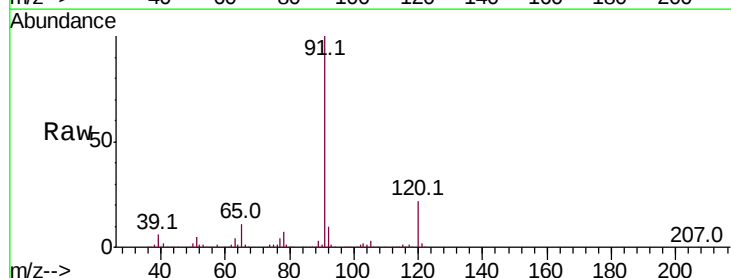
Acq: 15 Sep 2019 8:07

Tgt Ion: 91 Resp: 1672447

Ion Ratio Lower Upper

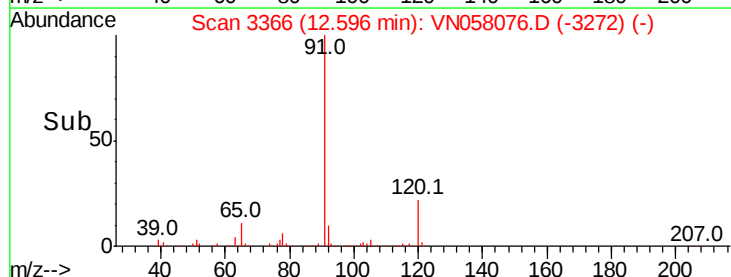
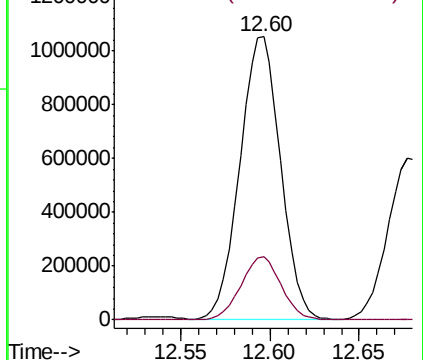
91 100

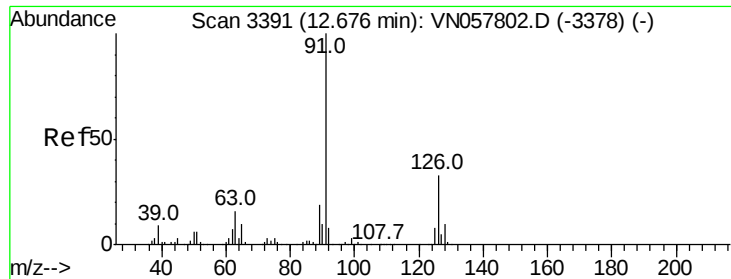
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.446 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

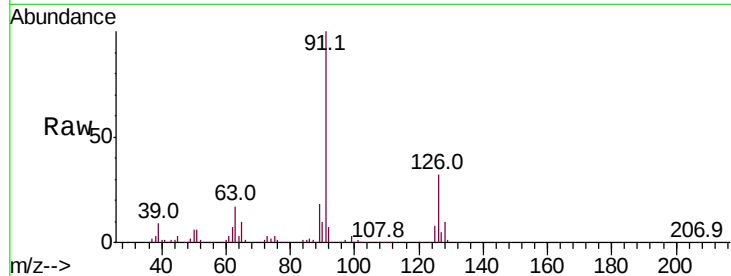
ClientSampled :

Tot Ion: 91 Resp: 991944

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN058076.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058076.D (-3378) (-)

800000

600000

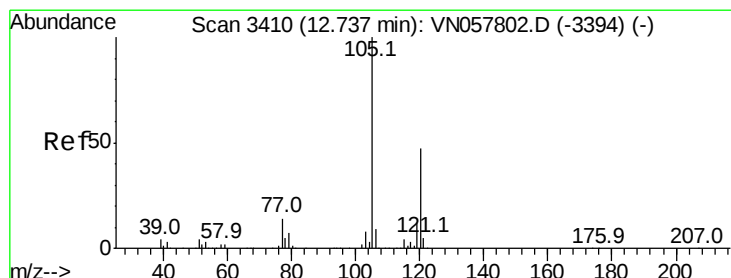
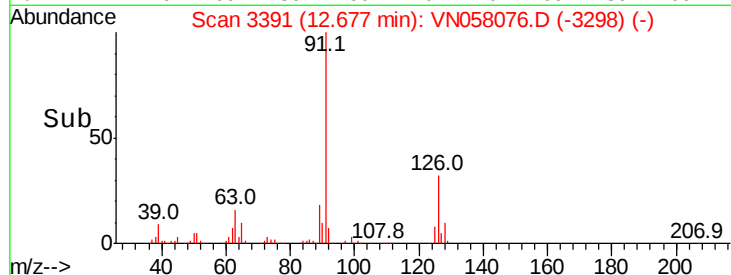
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.389 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058076.D

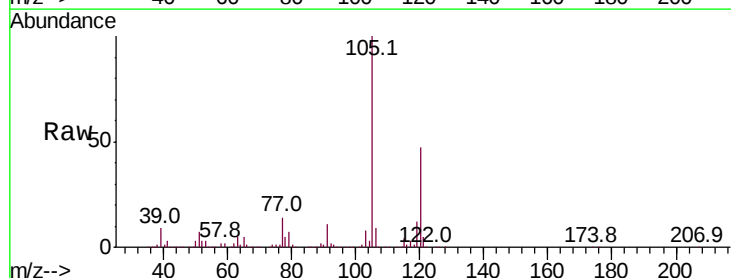
Acq: 15 Sep 2019 8:07

Tgt Ion:105 Resp: 1222184

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058076.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN058076.D (-3394) (-)

800000

600000

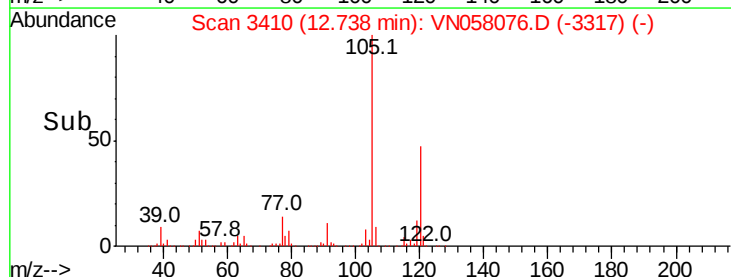
400000

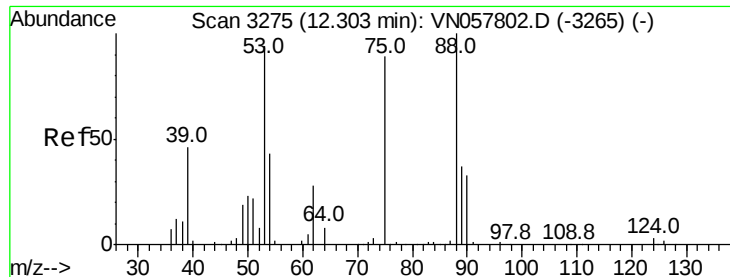
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.900 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

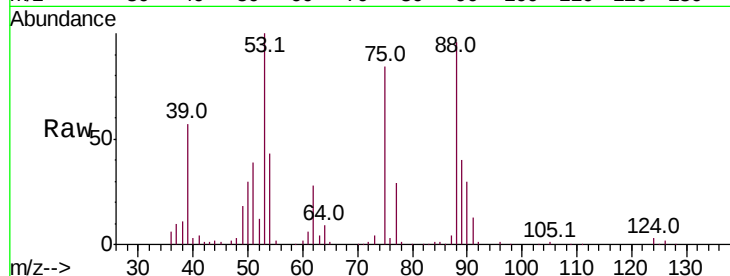
Tot Ion: 75 Resp: 116491

Ion Ratio Lower Upper

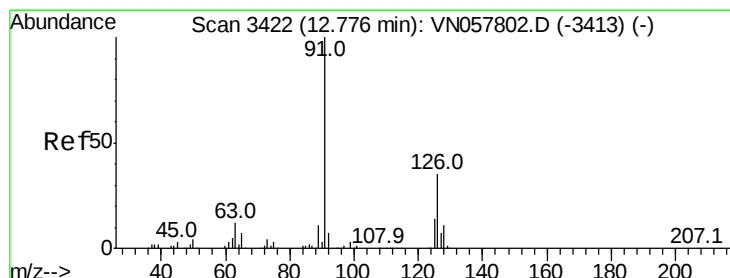
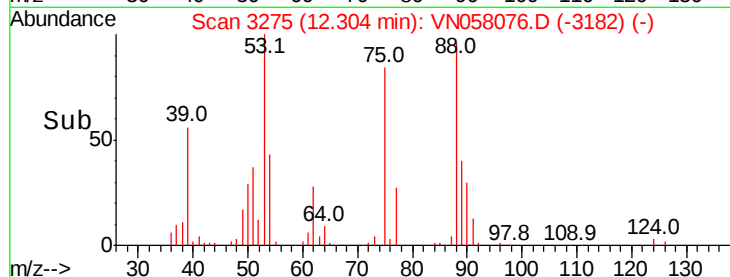
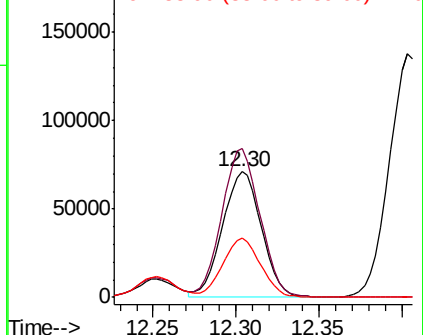
75 100

53 115.8 88.4 132.6

89 46.1 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 52.033 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058076.D

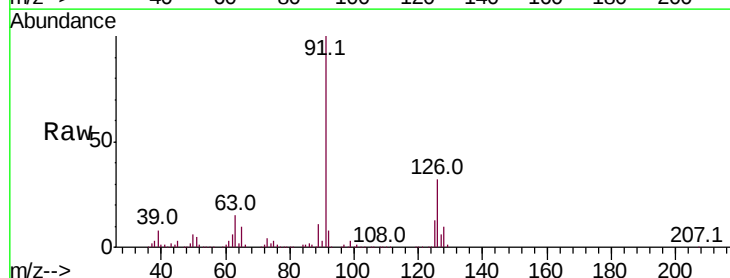
Acq: 15 Sep 2019 8:07

Tgt Ion: 91 Resp: 1050693

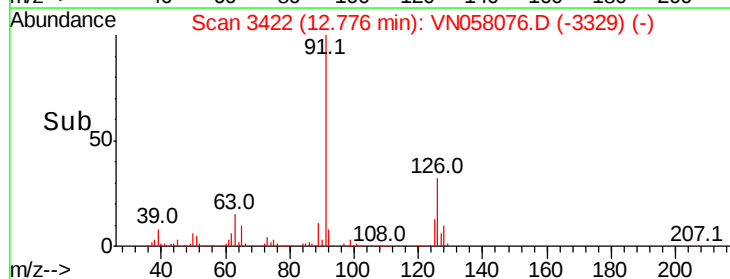
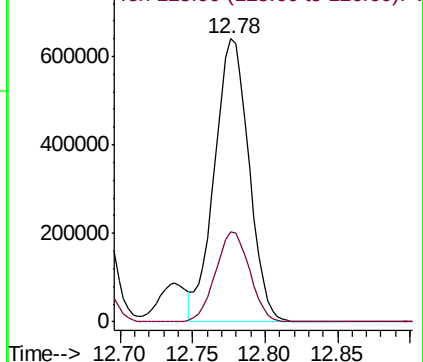
Ion Ratio Lower Upper

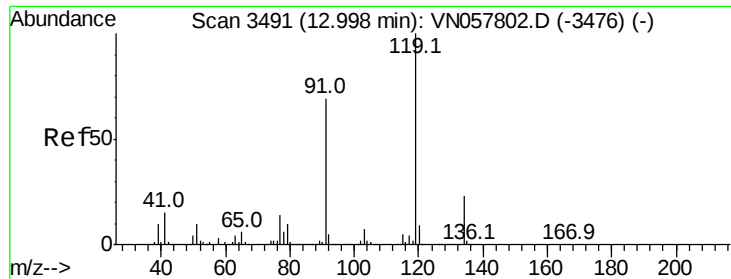
91 100

126 31.4 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.054 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

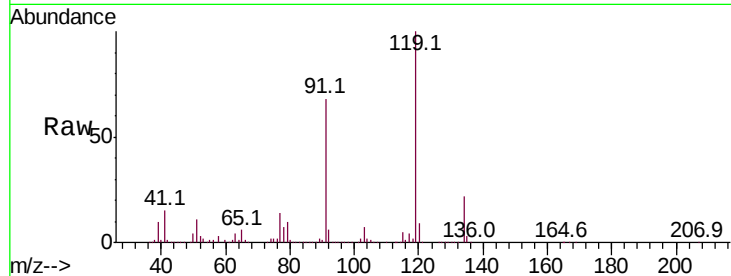
Tot Ion:119 Resp: 1059252

Ion Ratio Lower Upper

119 100

91 68.0 33.6 100.8

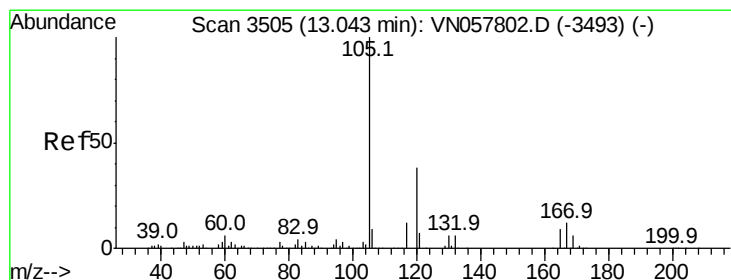
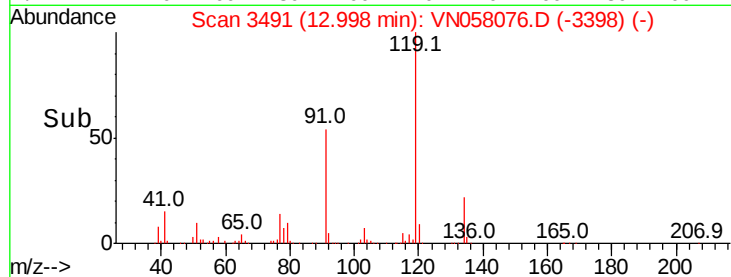
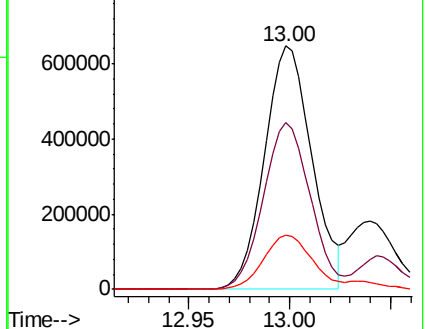
134 22.9 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.432 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058076.D

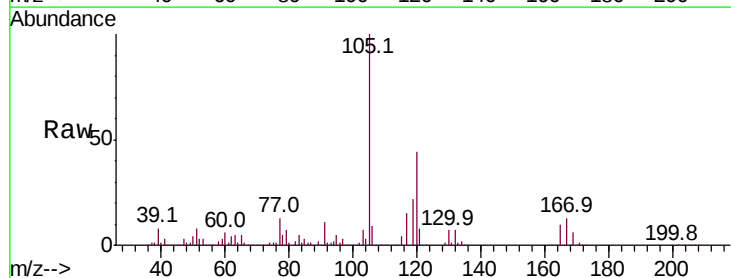
Acq: 15 Sep 2019 8:07

Tgt Ion:105 Resp: 1243171

Ion Ratio Lower Upper

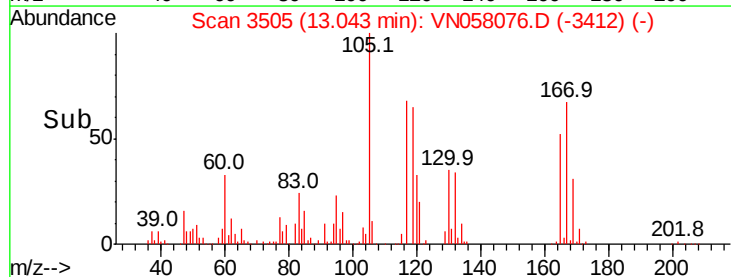
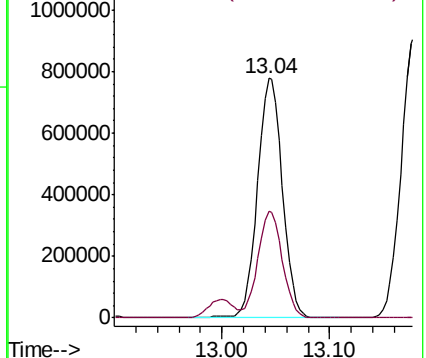
105 100

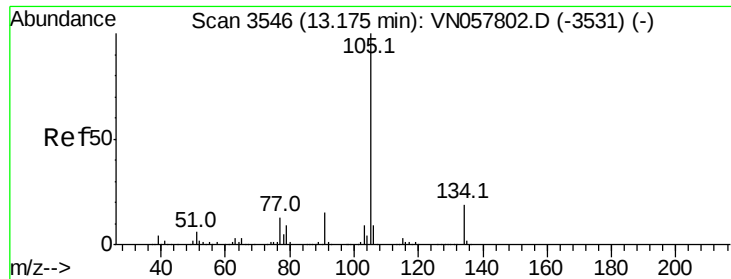
120 43.7 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

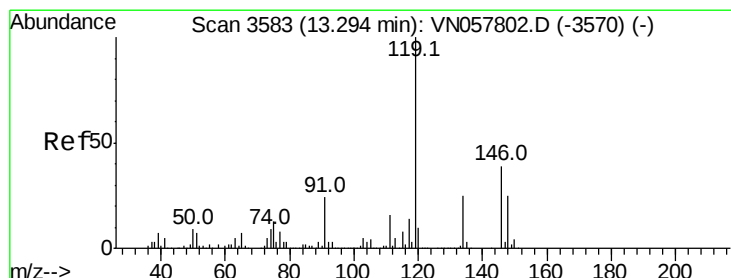
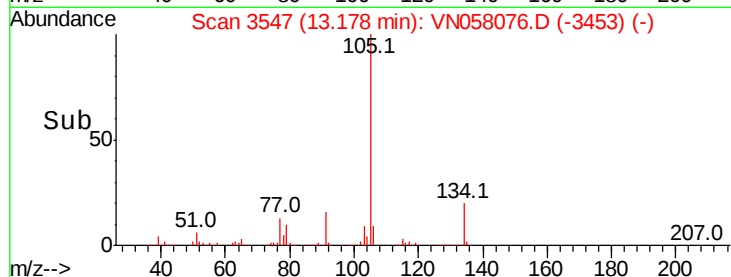
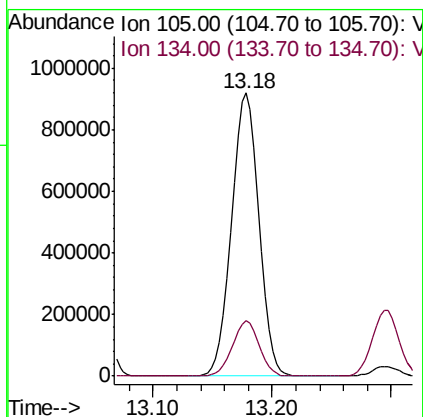
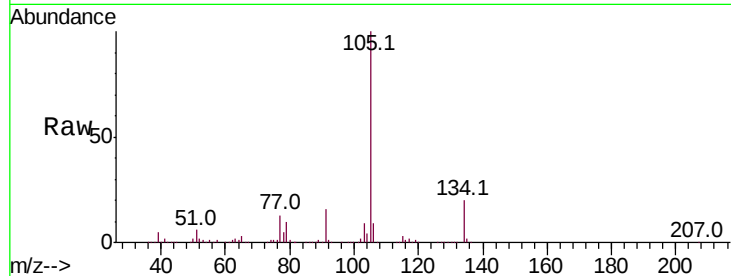




#85
 sec-Butylbenzene
 Concen: 54.005 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

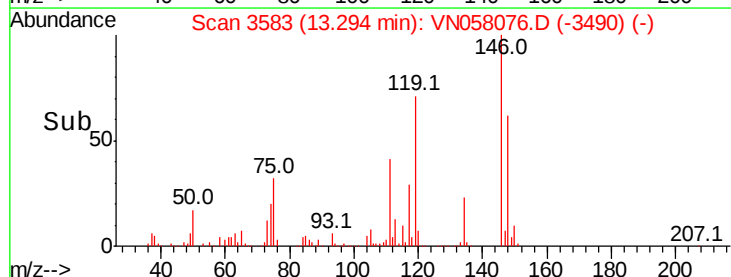
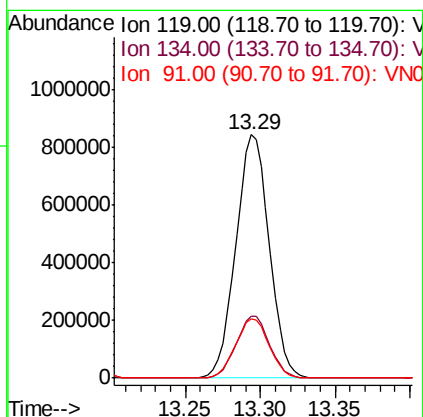
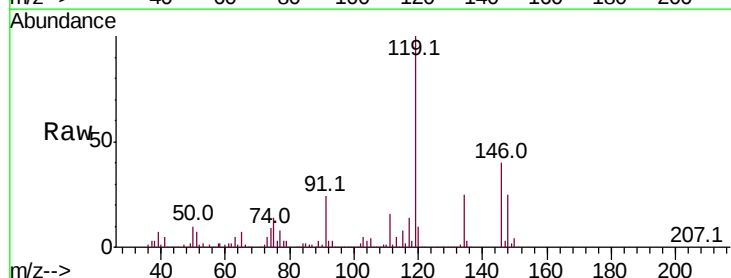
Instrument :
 MSVOA_N
 ClientSampled :

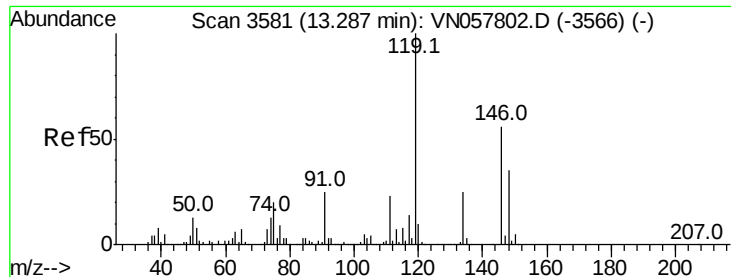
Tot Ion:105 Resp: 1456570
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 54.921 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion:119 Resp: 1305172
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 24.7 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 51.901 ug/l

RT: 13.29 min Scan# 3581

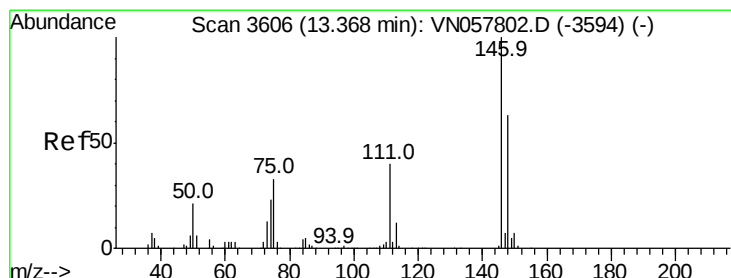
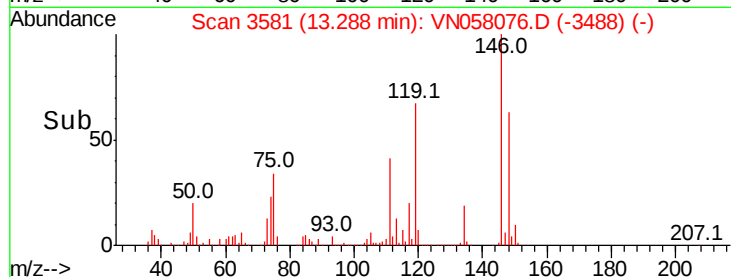
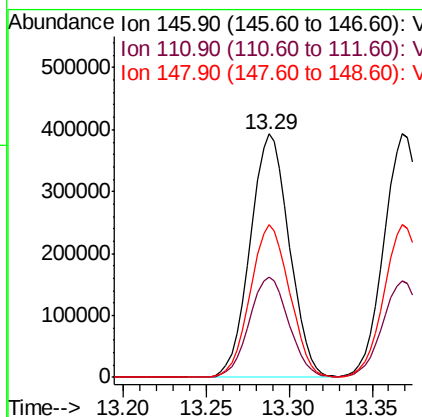
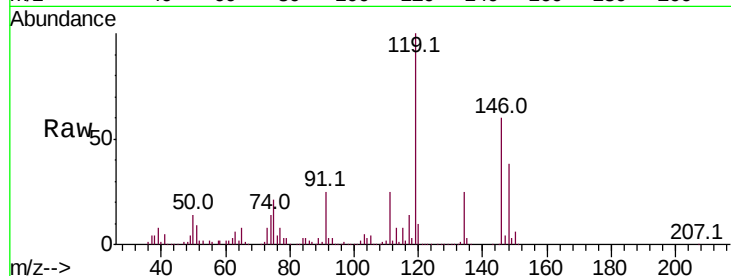
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	63.1	31.5	94.5



#88

1,4-Dichlorobenzene

Concen: 51.485 ug/l

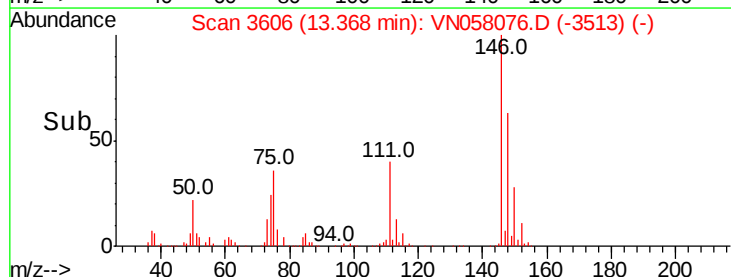
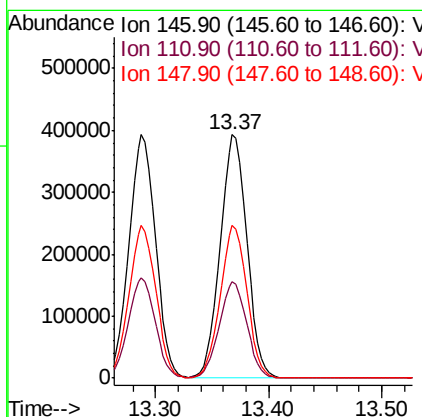
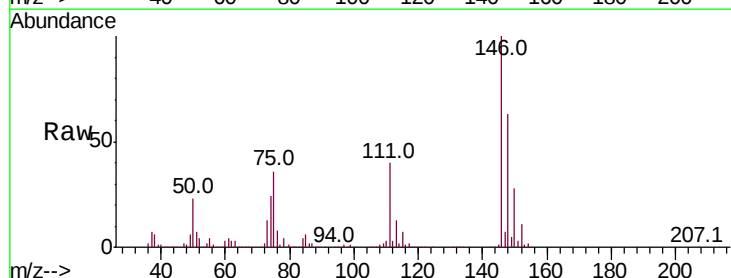
RT: 13.37 min Scan# 3606

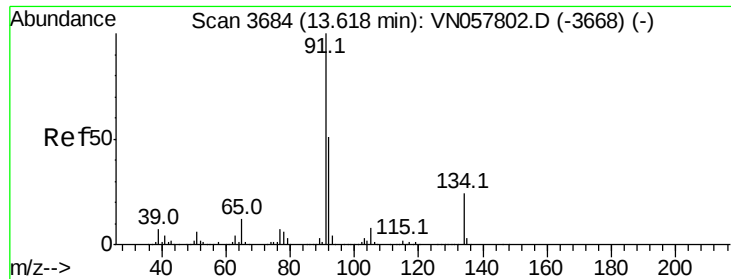
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	62.1	31.8	95.4





#89

n-Butylbenzene

Concen: 54.920 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

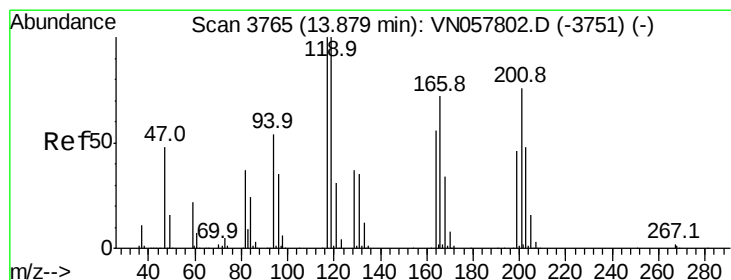
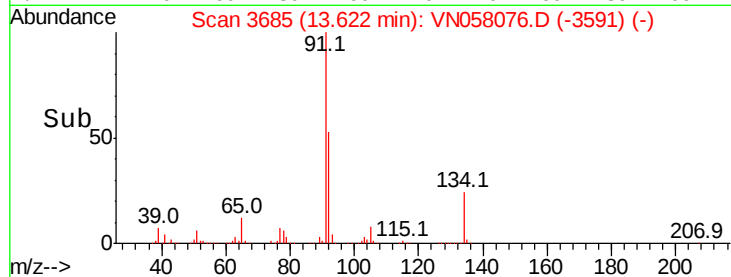
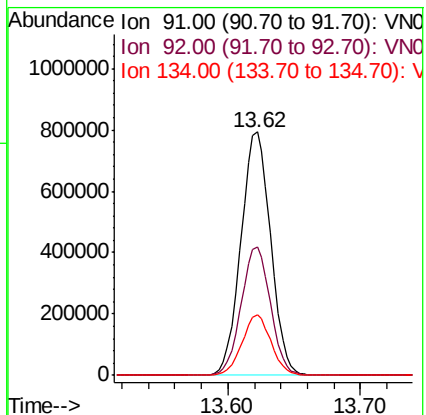
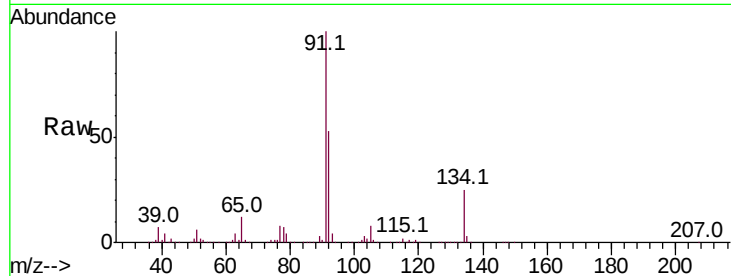
Tot Ion: 91 Resp: 1232511

Ion Ratio Lower Upper

91 100

92 52.1 25.7 77.0

134 24.2 11.9 35.7



#90

Hexachloroethane

Concen: 55.374 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058076.D

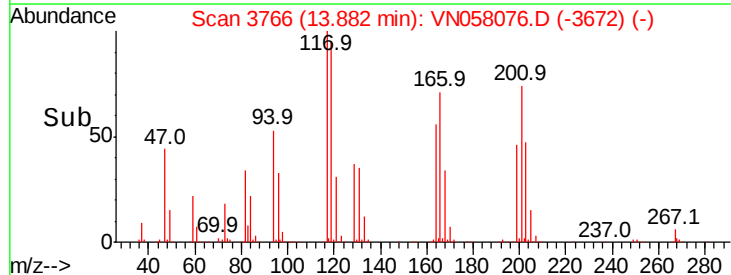
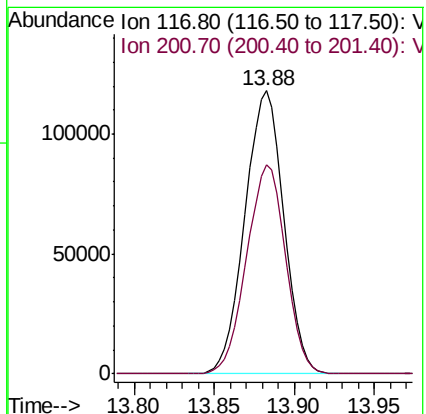
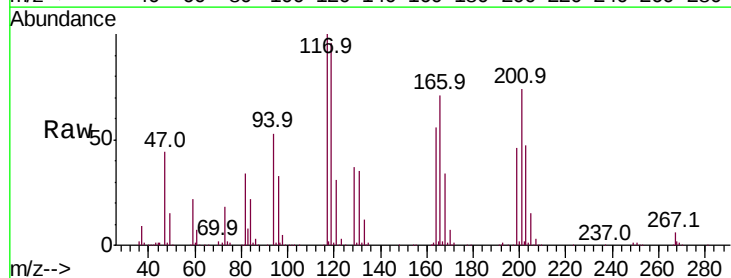
Acq: 15 Sep 2019 8:07

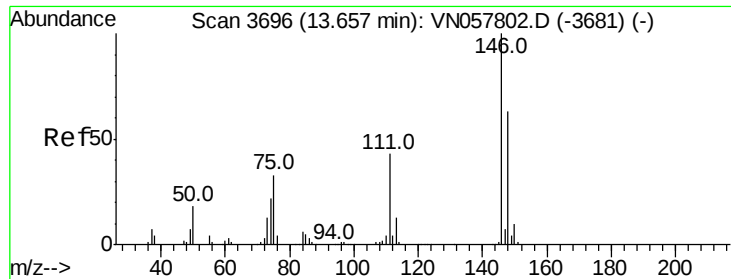
Tgt Ion: 117 Resp: 195706

Ion Ratio Lower Upper

117 100

201 74.2 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 51.881 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampled :

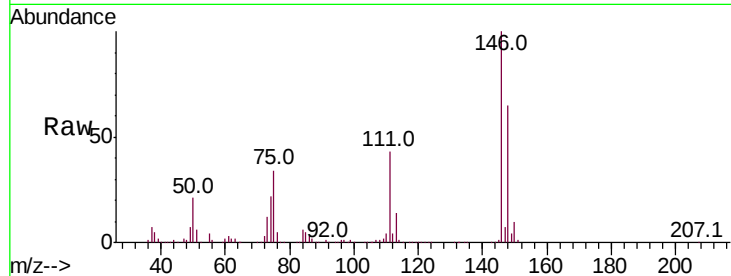
Tot Ion:146 Resp: 642644

Ion Ratio Lower Upper

146 100

111 43.0 21.3 63.9

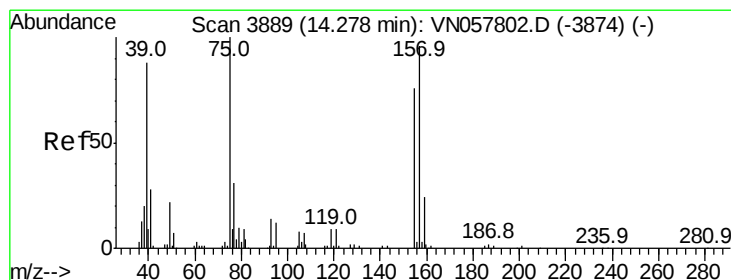
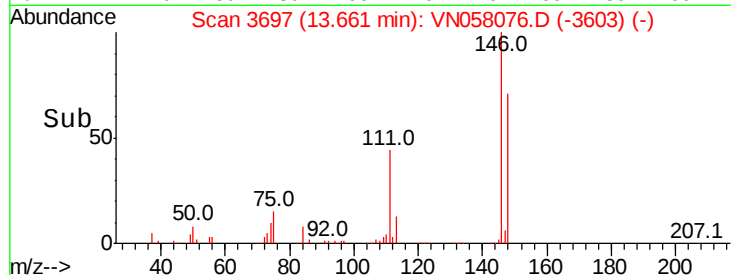
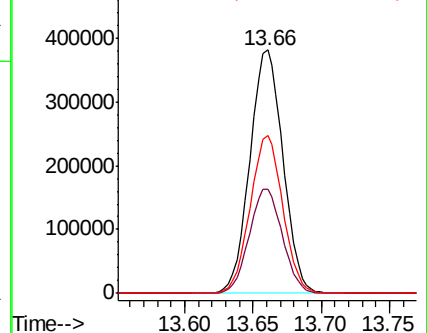
148 63.8 31.4 94.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.832 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

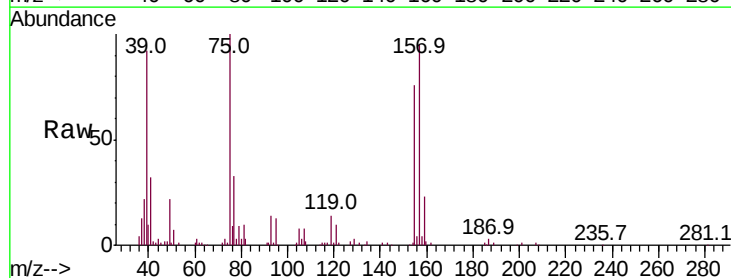
Tgt Ion: 75 Resp: 81097

Ion Ratio Lower Upper

75 100

155 75.7 37.3 111.8

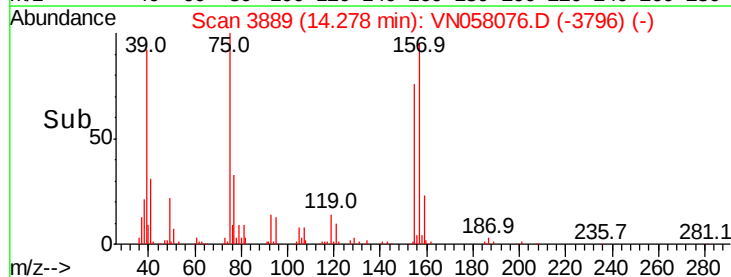
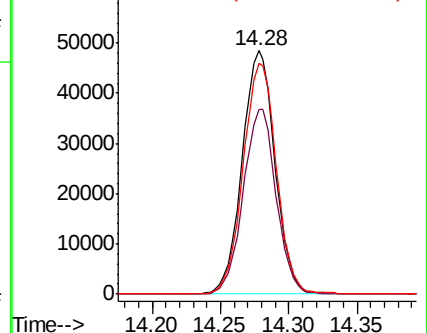
157 96.0 47.9 143.8

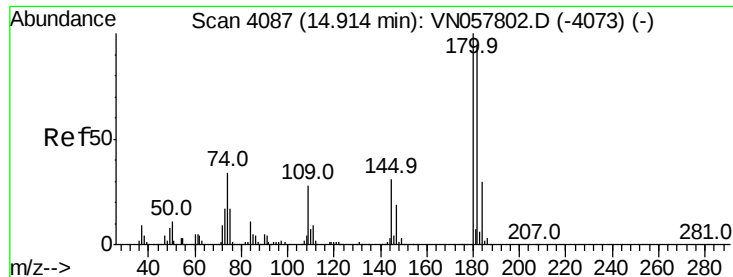


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

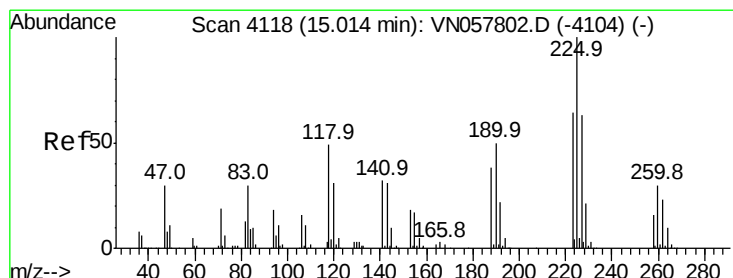
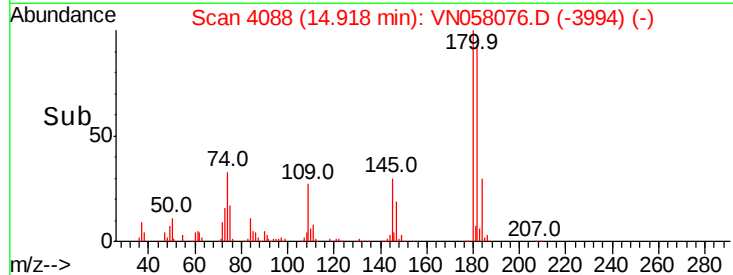
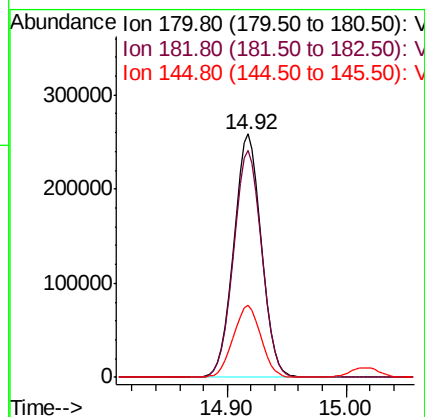
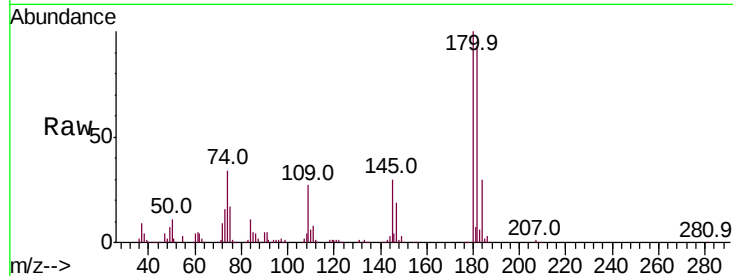




#93
 1,2,4-Trichlorobenzene
 Concen: 51.180 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

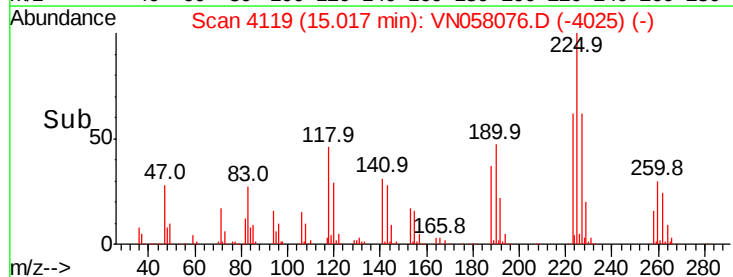
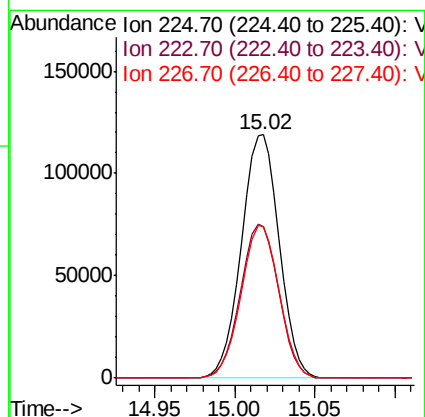
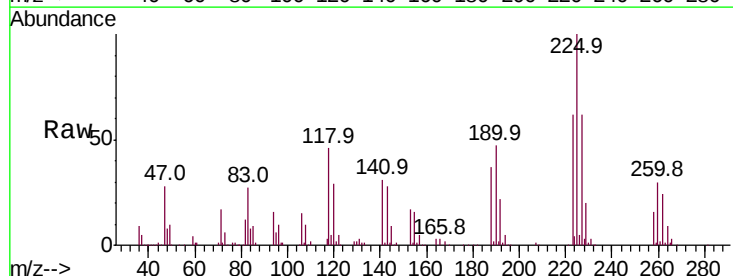
Instrument :
 MSVOA_N
 ClientSampleId :

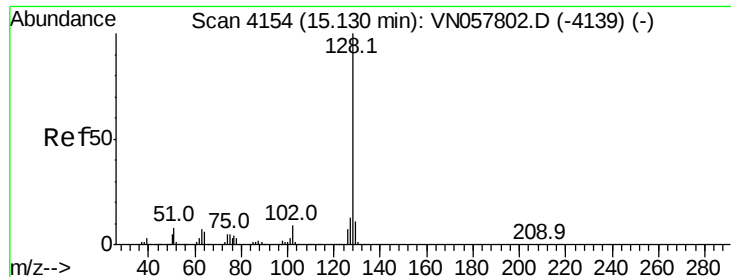
Tot Ion:180 Resp: 414367
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.8
 145 30.0 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 55.745 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion:225 Resp: 191320
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.4 97.2
 227 63.2 31.8 95.4





#95

Naphthalene

Concen: 54.693 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

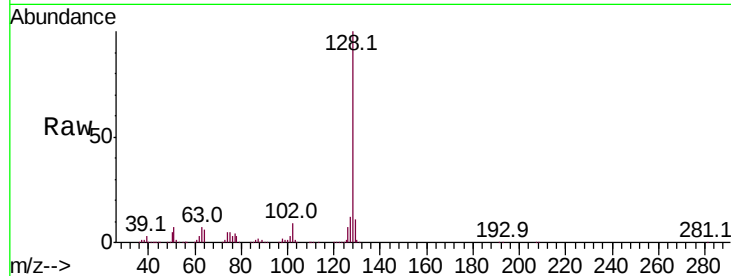
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1114897

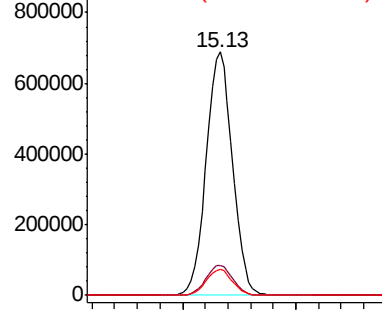
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.4	8.6	12.8



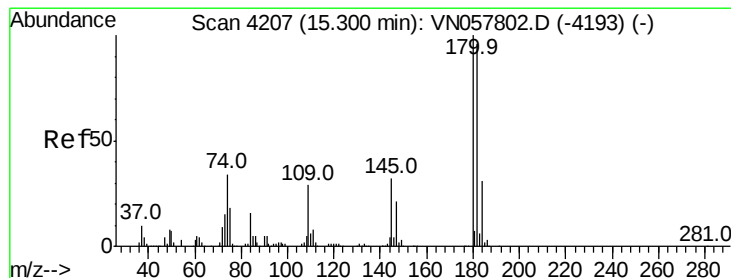
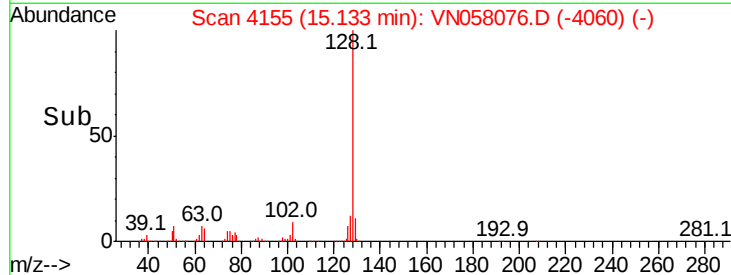
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 53.652 ug/l

RT: 15.30 min Scan# 4207

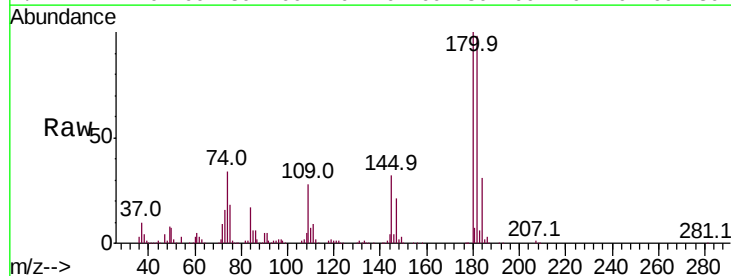
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:180 Resp: 379744

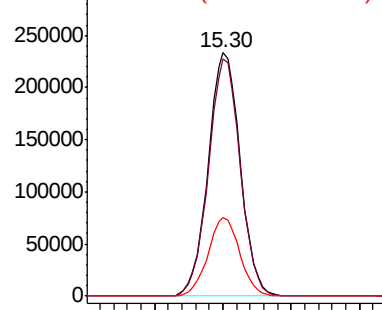
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.3	144.8
145	32.1	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

