

Data File : VN059323.D
Acq On : 20 Nov 2019 13:13
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Nov 20 15:10:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 15:04:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	385140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	607743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	551334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266895	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	750890	158.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.20%	
35) Dibromofluoromethane	7.57	113	610832	168.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.66%	
50) Toluene-d8	10.08	98	2389643	167.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.36%	
62) 4-Bromofluorobenzene	12.40	95	876133	170.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	340.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	758599	195.493	ug/l	99
3) Chloromethane	2.04	50	895716	169.809	ug/l	100
4) Vinyl Chloride	2.17	62	966659	189.020	ug/l	100
5) Bromomethane	2.52	94	519703	176.593	ug/l	100
6) Chloroethane	2.67	64	486426	160.791	ug/l	99
7) Trichlorofluoromethane	2.99	101	988416	161.585	ug/l	99
8) Diethyl Ether	3.39	74	421913	169.751	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	610646	165.569	ug/l	99
10) Methyl Iodide	3.93	142	859333	188.236	ug/l	99
11) Tert butyl alcohol	4.76	59	711381	788.437	ug/l	99
12) 1,1-Dichloroethene	3.71	96	623906	173.656	ug/l	98
13) Acrolein	3.58	56	722998	1554.199	ug/l	99
14) Allyl chloride	4.29	41	1188645	161.063	ug/l	97
15) Acrylonitrile	4.95	53	1906027	848.846	ug/l	100
16) Acetone	3.79	43	1506438	611.885	ug/l	98
17) Carbon Disulfide	4.03	76	1968345	176.490	ug/l	99
18) Methyl Acetate	4.29	43	1067462	182.669	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2092624	169.177	ug/l	99
20) Methylene Chloride	4.52	84	691906	161.317	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	667148	172.995	ug/l	96
22) Diisopropyl ether	5.92	45	2260038	162.129	ug/l	97
23) Vinyl Acetate	5.87	43	8290504	767.389	ug/l #	92
24) 1,1-Dichloroethane	5.82	63	1258271	161.613	ug/l	99
25) 2-Butanone	6.81	43	2534367	781.074	ug/l	97
26) 2,2-Dichloropropane	6.80	77	1059789	155.670	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	751811	168.035	ug/l	97
28) Bromochloromethane	7.17	49	528882	225.788	ug/l	97
29) Tetrahydrofuran	7.19	42	1725598	836.981	ug/l	98
30) Chloroform	7.35	83	1196345	160.183	ug/l	100
31) Cyclohexane	7.63	56	1205182	163.513	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	1037359	165.205	ug/l	99
36) 1,1-Dichloropropene	7.77	75	971606	171.038	ug/l	100
37) Ethyl Acetate	6.90	43	1032777	163.426	ug/l	98
38) Carbon Tetrachloride	7.75	117	923940	163.413	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1205094	182.788	ug/l	98
40) Benzene	8.02	78	2817672	164.715	ug/l	100
41) Methacrylonitrile	7.18	41	1471596	535.515	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	933486	159.107	ug/l	99
43) Isopropyl Acetate	8.15	43	1671565	165.913	ug/l	99
44) Trichloroethene	8.82	130	712103	169.345	ug/l	97
45) 1,2-Dichloropropane	9.10	63	758180	163.176	ug/l	100
46) Dibromomethane	9.19	93	467206	161.362	ug/l	98
47) Bromodichloromethane	9.39	83	952418	164.732	ug/l	97
48) Methyl methacrylate	9.19	41	770485	170.973	ug/l	96
49) 1,4-Dioxane	9.19	88	224624	2804.757	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	4352706	763.547	ug/l	89
52) Toluene	10.15	92	1731220	168.849	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	1135081	169.931	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	1224605	170.435	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	669837	161.426	ug/l	99
56) Ethyl methacrylate	10.42	69	1134502	184.193	ug/l	97
57) 1,3-Dichloropropane	10.70	76	1176563	164.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2228076	964.826	ug/l	98
59) 2-Hexanone	10.75	43	3436220	785.331	ug/l	92
60) Dibromochloromethane	10.90	129	751880	171.379	ug/l	100
61) 1,2-Dibromoethane	11.00	107	713163	169.776	ug/l	100
64) Tetrachloroethene	10.63	164	614043	163.789	ug/l	98
65) Chlorobenzene	11.43	112	1793236	166.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	667528	165.570	ug/l	99
67) Ethyl Benzene	11.51	91	3123976	163.827	ug/l	92
68) m/p-Xylenes	11.62	106	2457439	344.038	ug/l	85
69) o-Xylene	11.95	106	1182310	171.276	ug/l	93
70) Styrene	11.96	104	1977505	182.150	ug/l	99
71) Bromoform	12.13	173	549228	175.136	ug/l #	99
73) Isopropylbenzene	12.25	105	3020320	155.574	ug/l	97
74) N-amyl acetate	12.07	43	1415402	172.055	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	1024969	155.031	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1390180	228.787	ug/l #	100
77) Bromobenzene	12.53	156	759289	155.668	ug/l	99
78) n-propylbenzene	12.59	91	3448075	155.116	ug/l	94
79) 2-Chlorotoluene	12.68	91	2149894	155.904	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2610621	158.695	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	397632	172.845	ug/l	95
82) 4-Chlorotoluene	12.78	91	2209219	159.731	ug/l	97
83) tert-Butylbenzene	13.00	119	2248606	158.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2604900	163.668	ug/l	98
85) sec-Butylbenzene	13.17	105	2969325	160.713	ug/l	97
86) p-Isopropyltoluene	13.29	119	2713895	166.357	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1370980	164.140	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1367562	163.644	ug/l	99
89) n-Butylbenzene	13.62	91	2519400	176.448	ug/l	96
90) Hexachloroethane	13.88	117	520199	158.799	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1333106	162.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	226090	151.518	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112019\
Quantitation Report (Not Reviewed)

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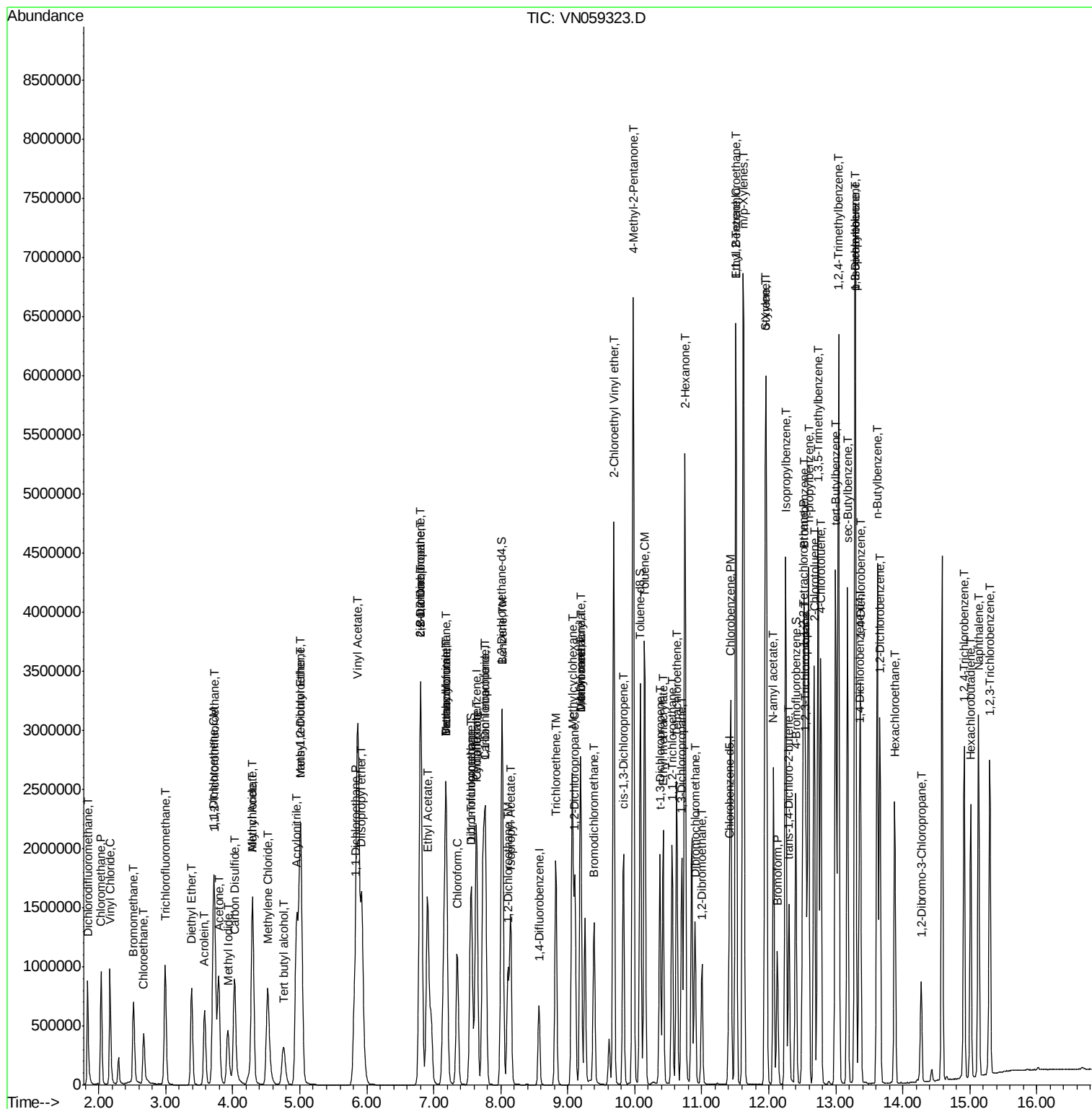
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	903412	205.253	ug/l	99
94) Hexachlorobutadiene	15.01	225	468649	165.422	ug/l	100
95) Naphthalene	15.13	128	2494362	206.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	867235	188.339	ug/l	99

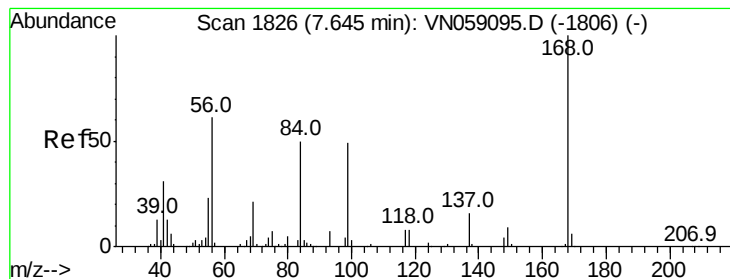
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN059323.D
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Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Nov 20 15:10:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 15:04:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

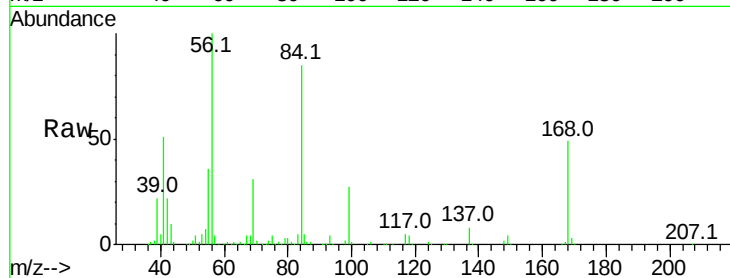
VSTDIC150

Tgt Ion:168 Resp: 385140

Ion Ratio Lower Upper

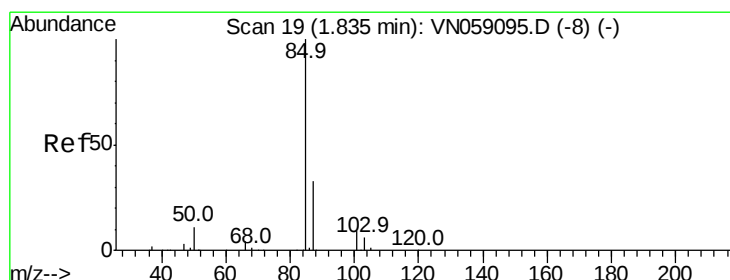
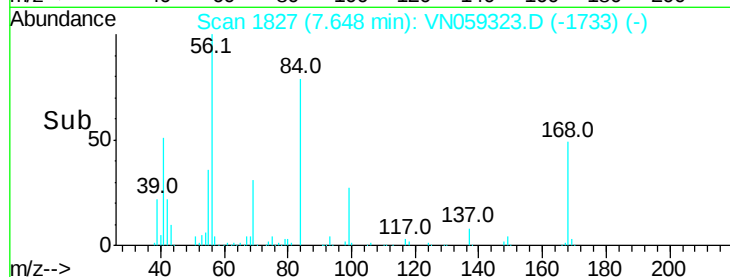
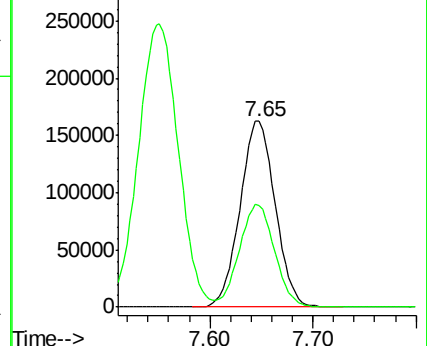
168 100

99 54.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 195.493 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059323.D

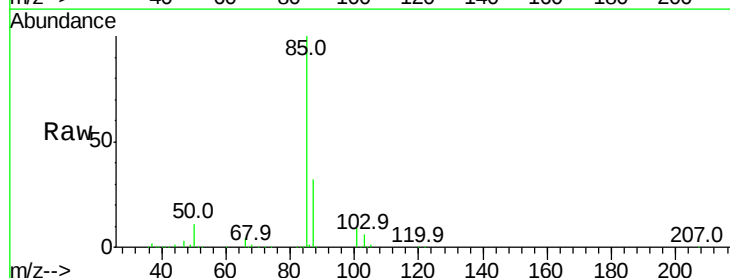
Acq: 20 Nov 2019 13:13

Tgt Ion: 85 Resp: 758599

Ion Ratio Lower Upper

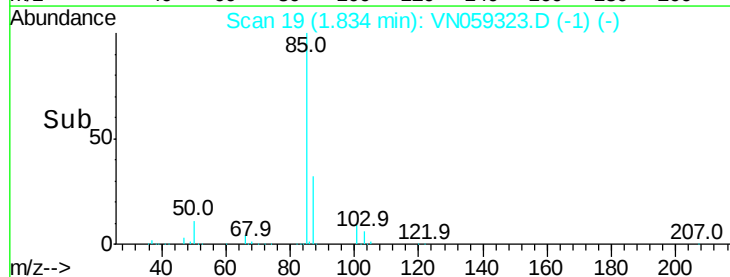
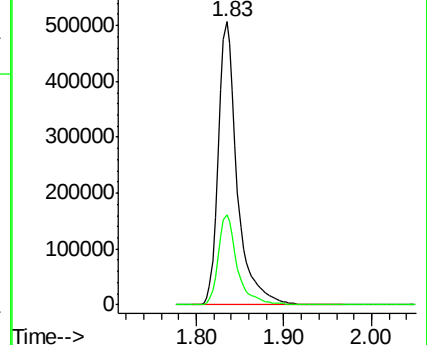
85 100

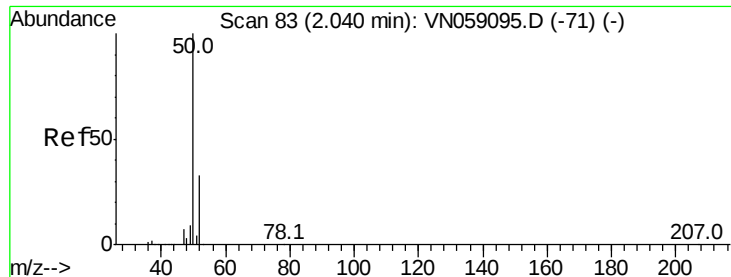
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 169.809 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

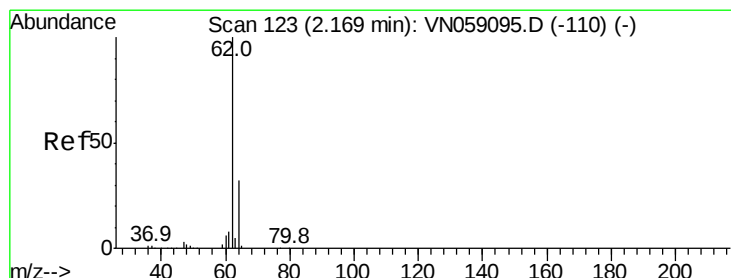
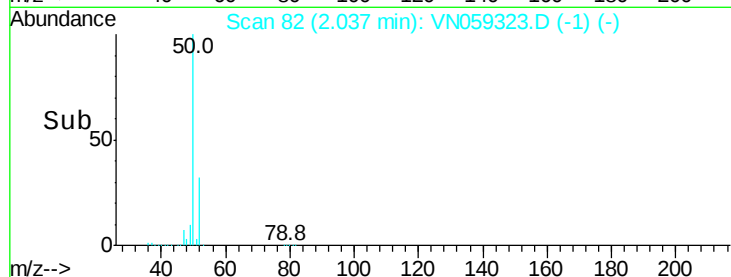
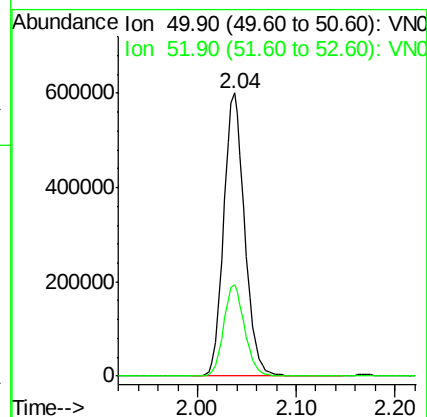
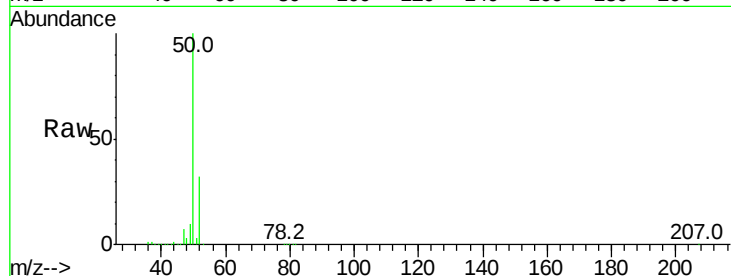
VSTDIC150

Tgt Ion: 50 Resp: 895716

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 189.020 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059323.D

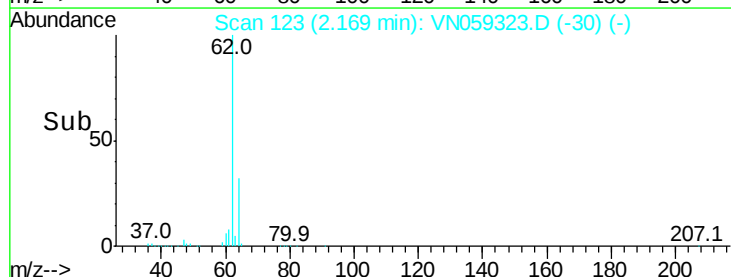
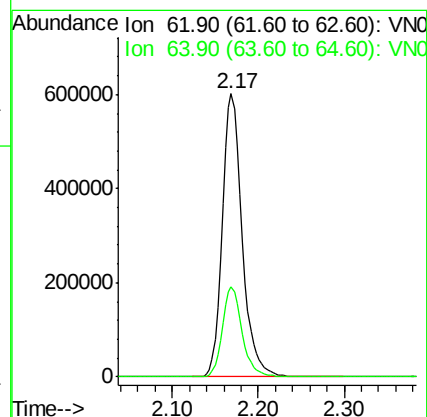
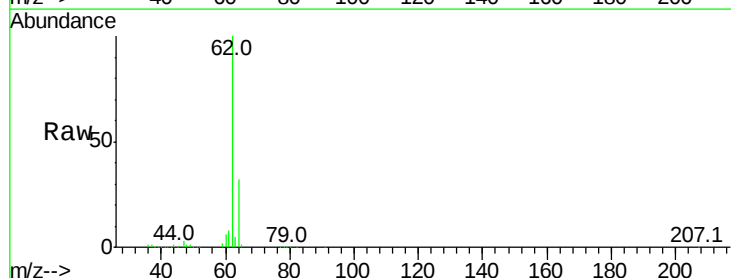
Acq: 20 Nov 2019 13:13

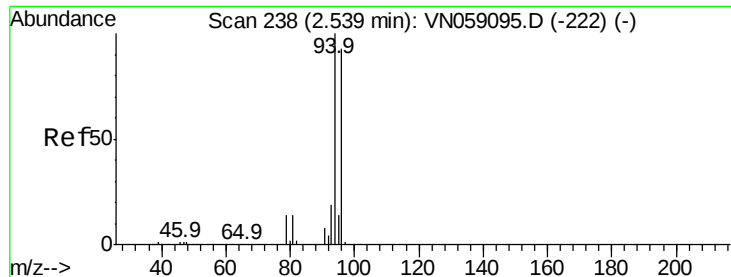
Tgt Ion: 62 Resp: 966659

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 176.593 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

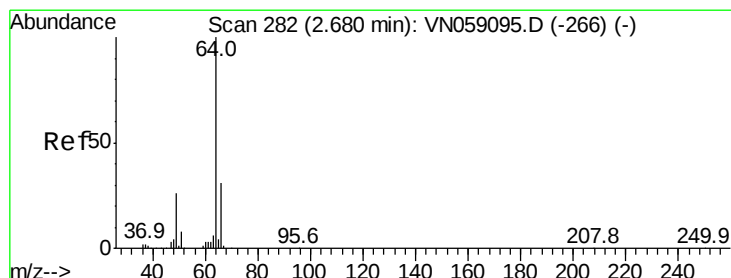
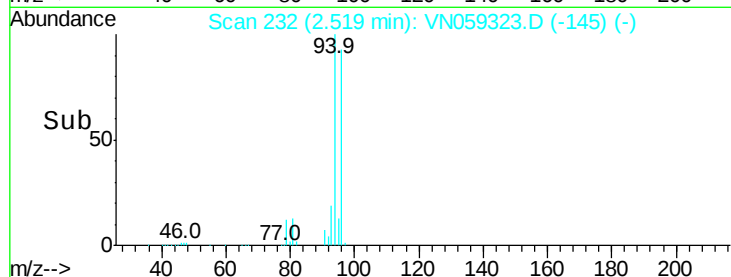
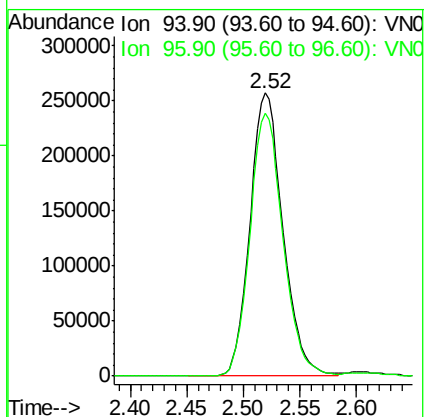
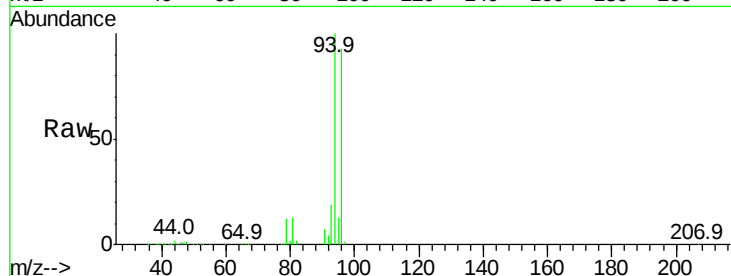
VSTDIC150

Tgt Ion: 94 Resp: 519703

Ion Ratio Lower Upper

94 100

96 92.9 74.2 111.2



#6

Chloroethane

Concen: 160.791 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN059323.D

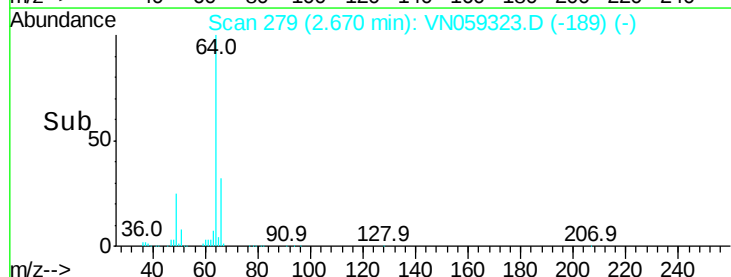
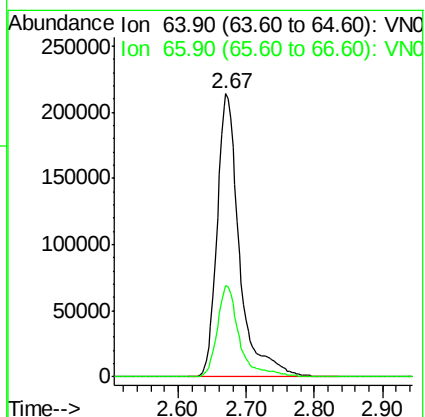
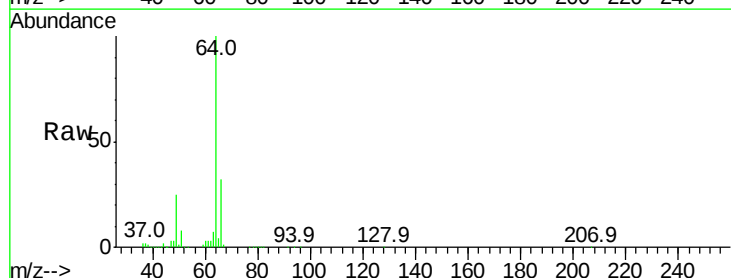
Acq: 20 Nov 2019 13:13

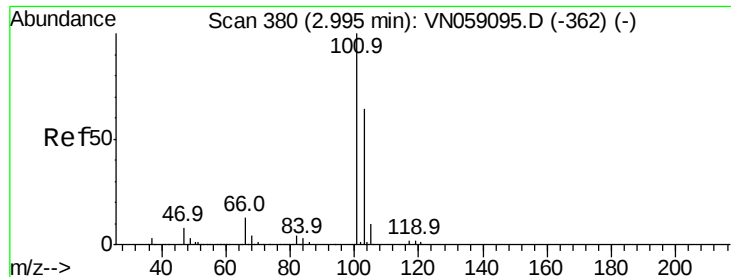
Tgt Ion: 64 Resp: 486426

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8



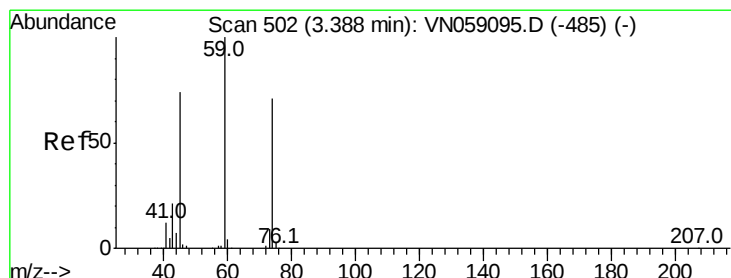
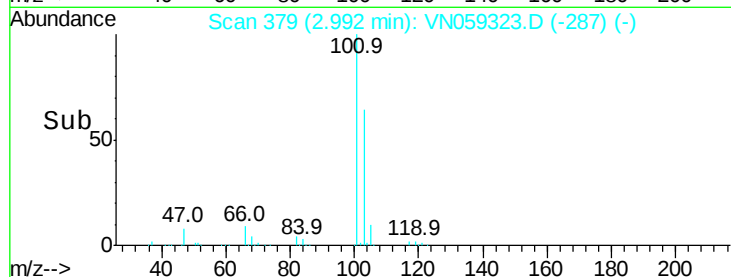
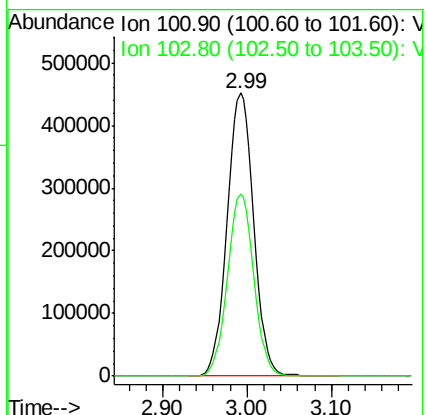
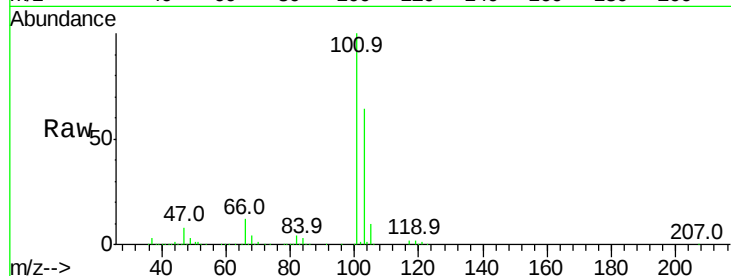


#7

Trichlorofluoromethane
Concen: 161.585 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059323.D
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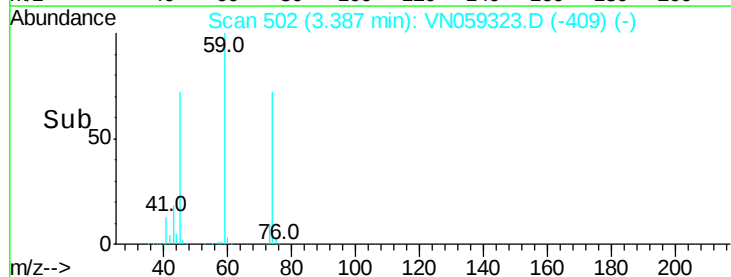
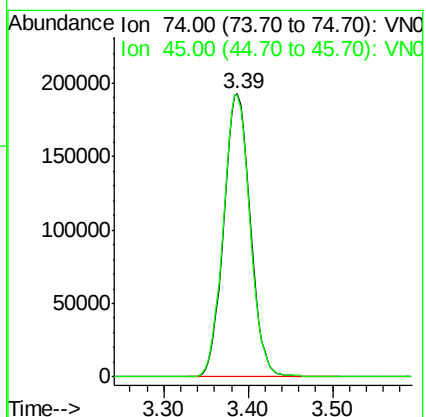
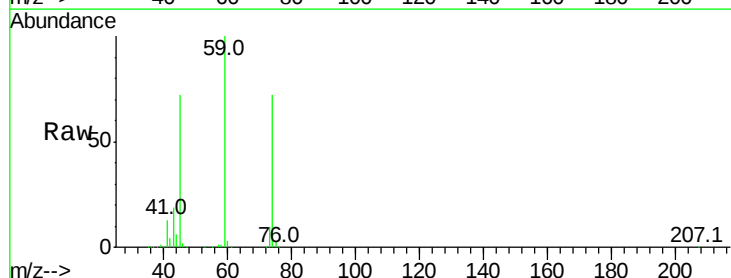
Tgt Ion:101 Resp: 988416
Ion Ratio Lower Upper
101 100
103 64.5 51.2 76.8

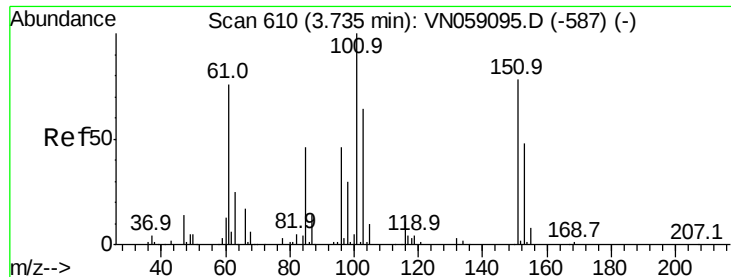


#8

Diethyl Ether
Concen: 169.751 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 74 Resp: 421913
Ion Ratio Lower Upper
74 100
45 99.8 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 165.569 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

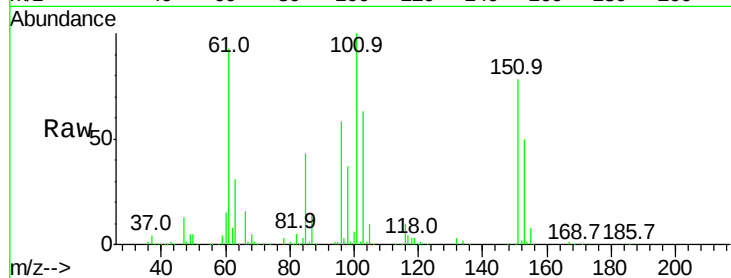
Tgt Ion:101 Resp: 610646

Ion Ratio Lower Upper

101 100

85 42.8 35.5 53.3

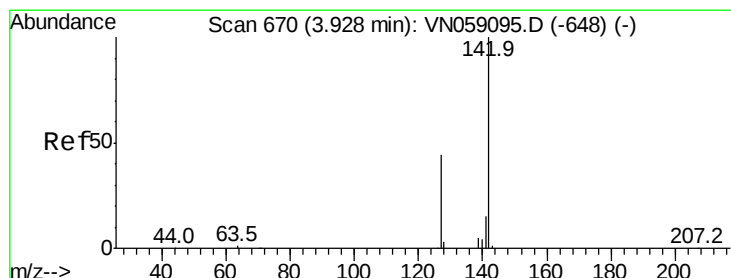
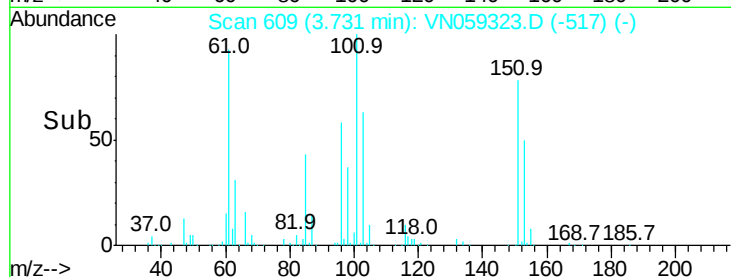
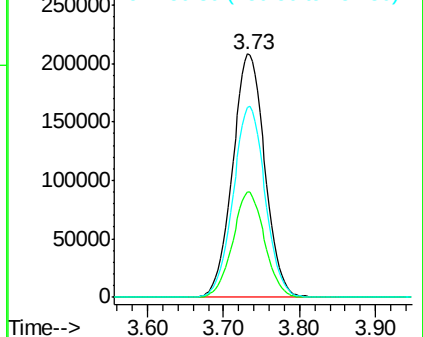
151 77.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 188.236 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

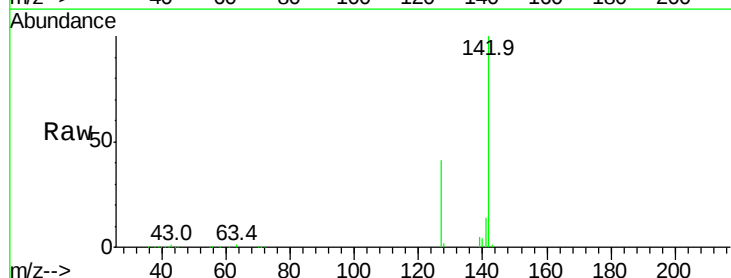
Tgt Ion:142 Resp: 859333

Ion Ratio Lower Upper

142 100

127 41.6 34.2 51.2

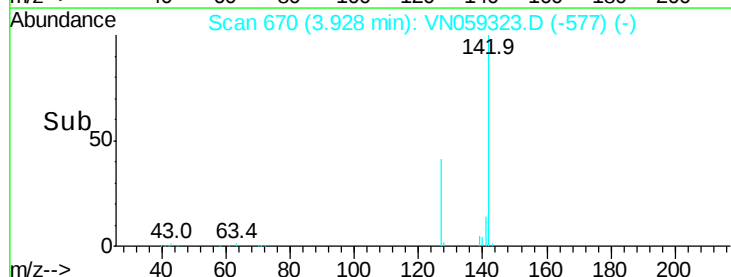
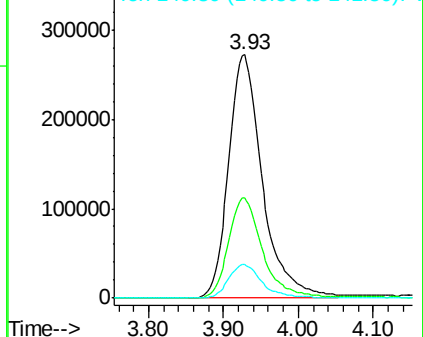
141 13.8 11.4 17.0

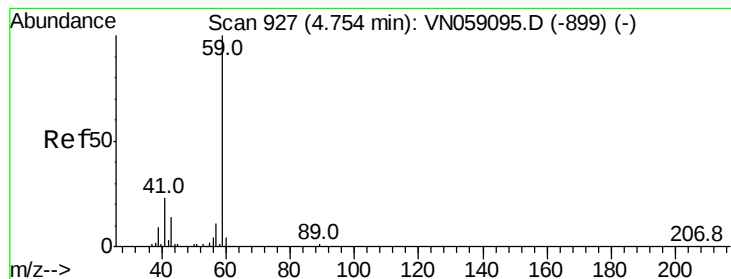


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



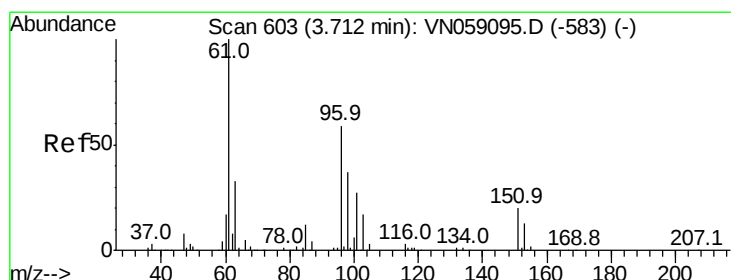
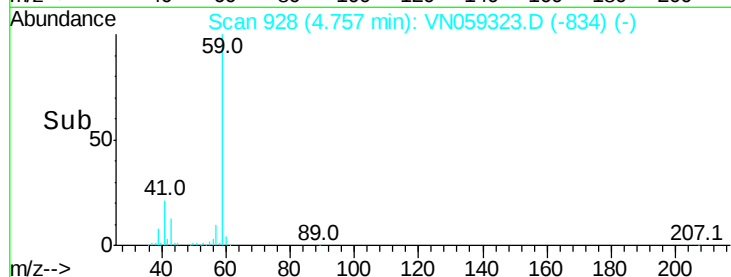
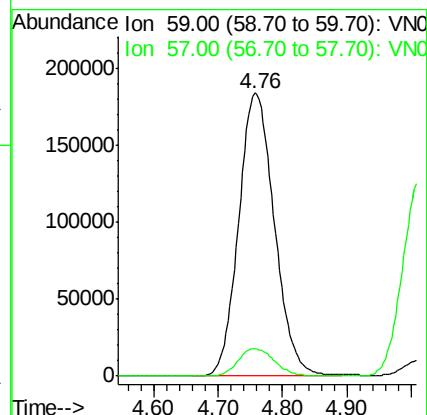
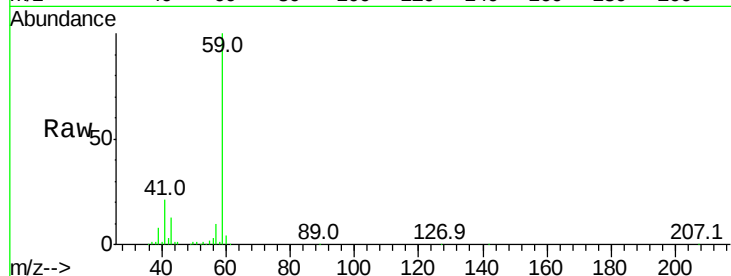


#11

Tert butyl alcohol
Concen: 788.437 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

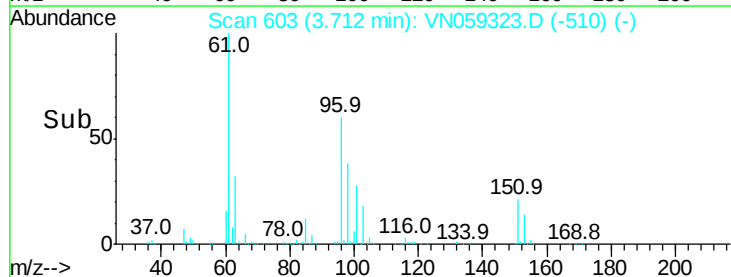
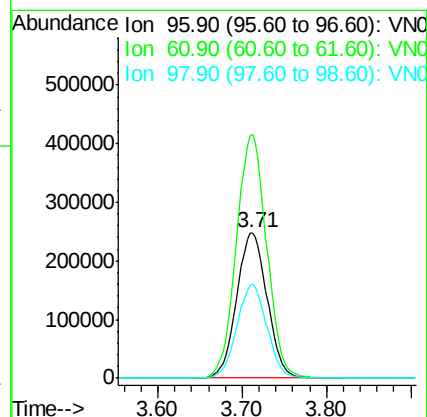
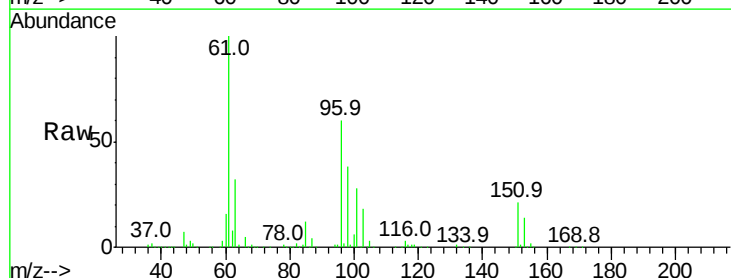
Tgt Ion: 59 Resp: 711381
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5

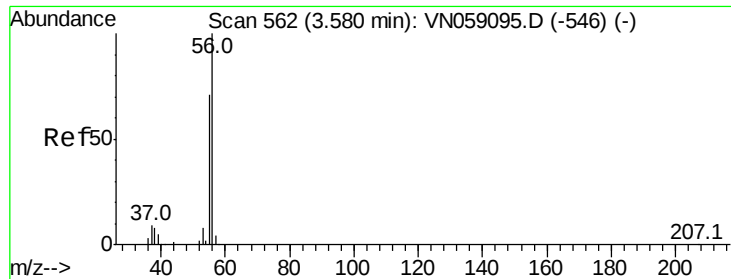


#12

1,1-Dichloroethene
Concen: 173.656 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 96 Resp: 623906
Ion Ratio Lower Upper
96 100
61 167.1 136.5 204.7
98 64.3 50.2 75.4





#13

Acrolein

Concen: 1554.199 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

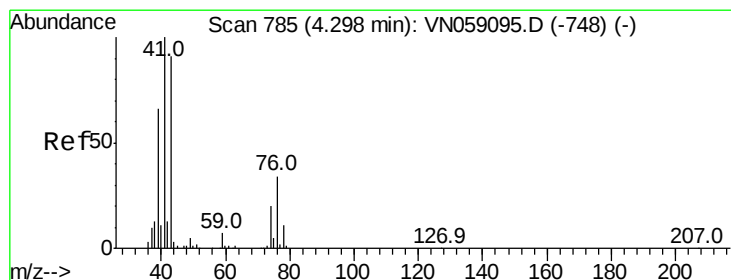
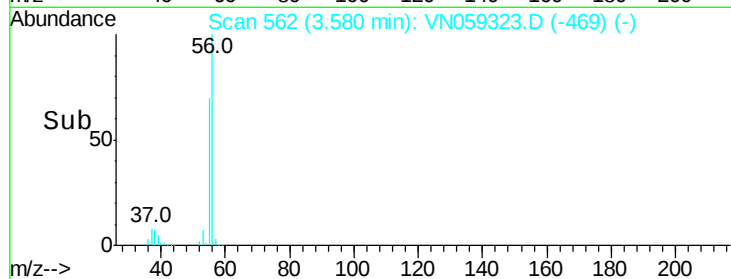
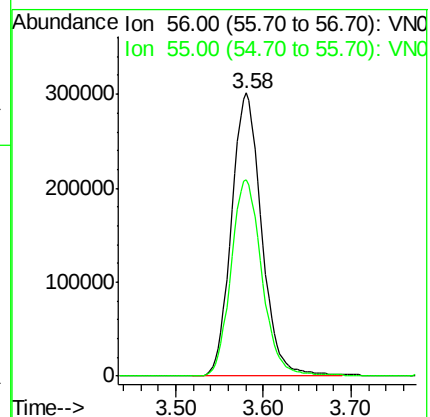
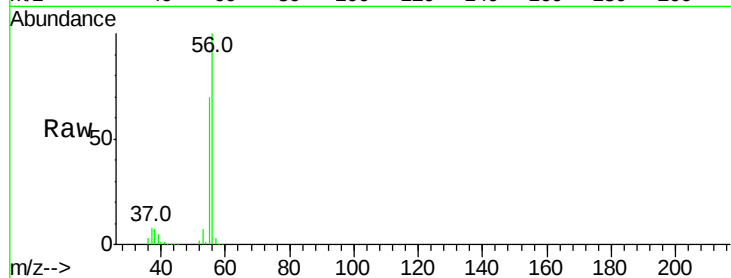
VSTDIC150

Tgt Ion: 56 Resp: 722998

Ion Ratio Lower Upper

56 100

55 71.1 56.4 84.6



#14

Allyl chloride

Concen: 161.063 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

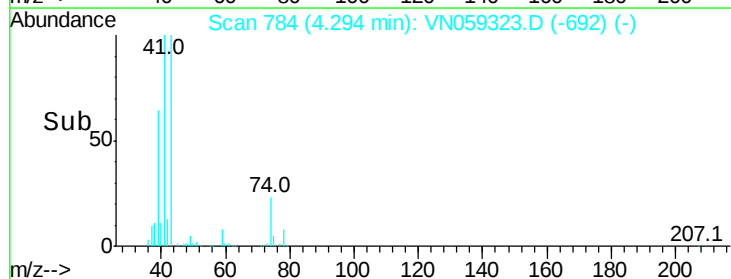
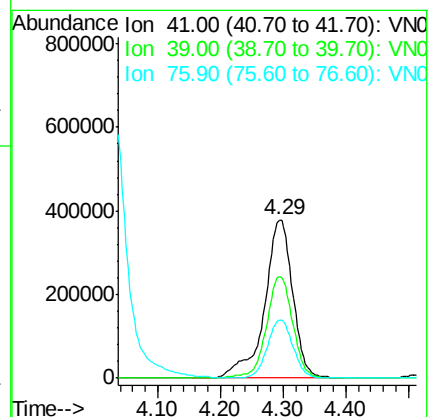
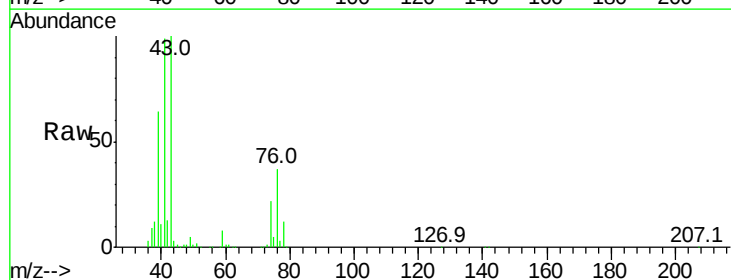
Tgt Ion: 41 Resp: 1188645

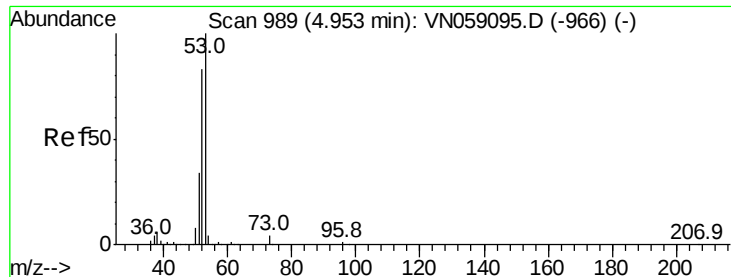
Ion Ratio Lower Upper

41 100

39 59.7 49.1 73.7

76 33.0 24.9 37.3





#15

Acrylonitrile

Concen: 848.846 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

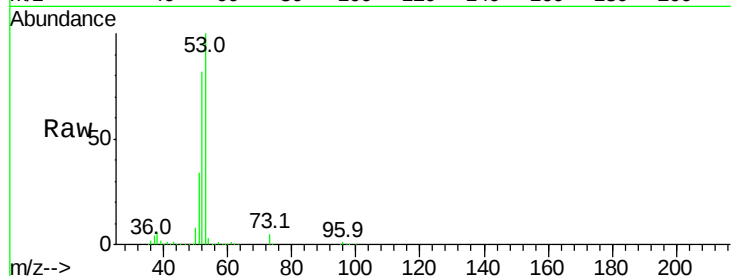
MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 1906027

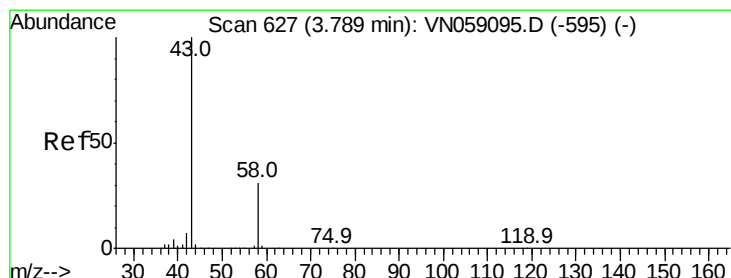
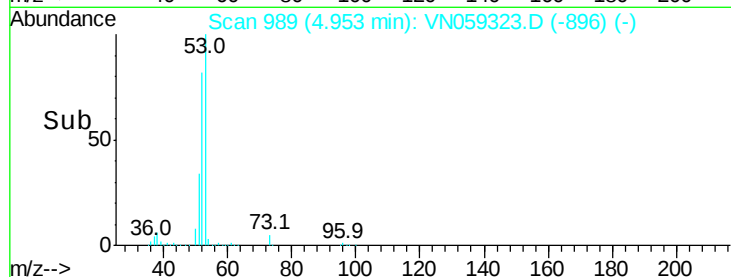
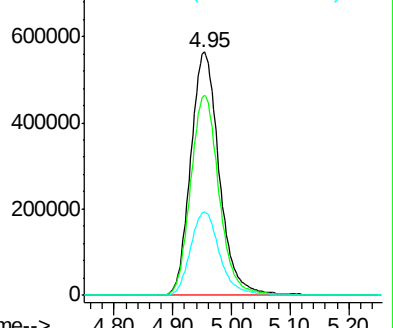
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.0	97.6
51	35.1	28.0	42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 611.885 ug/l

RT: 3.79 min Scan# 627

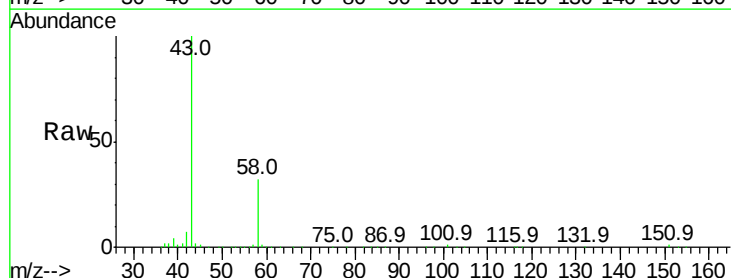
Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

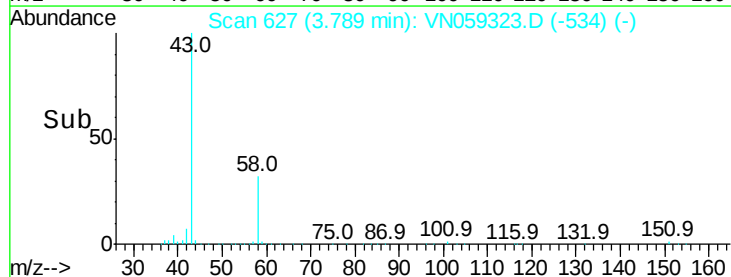
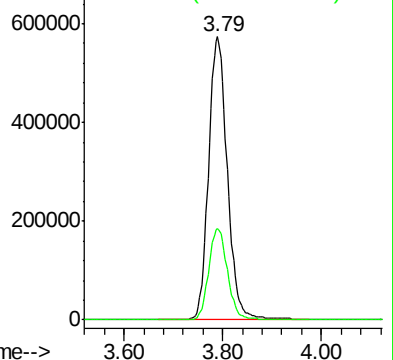
Tgt Ion: 43 Resp: 1506438

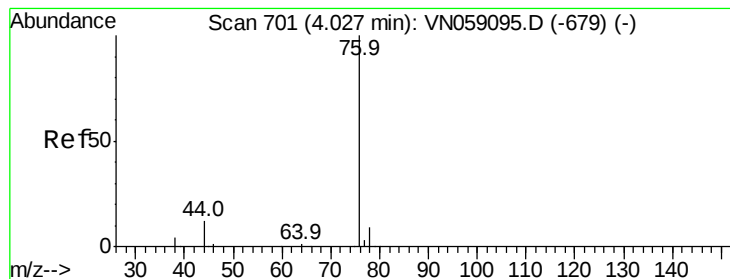
Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 176.490 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

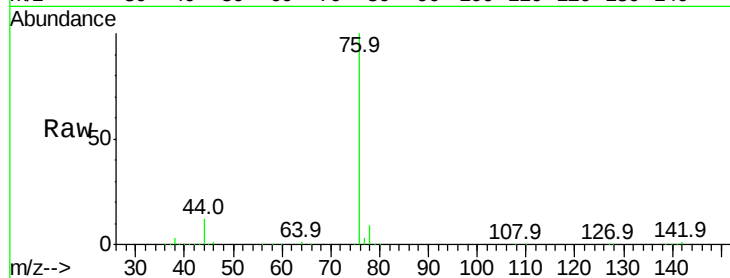
VSTDIC150

Tgt Ion: 76 Resp: 1968345

Ion Ratio Lower Upper

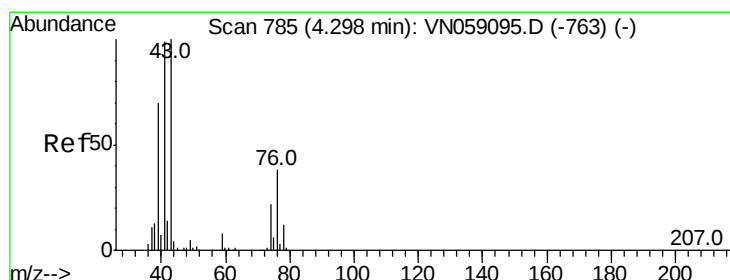
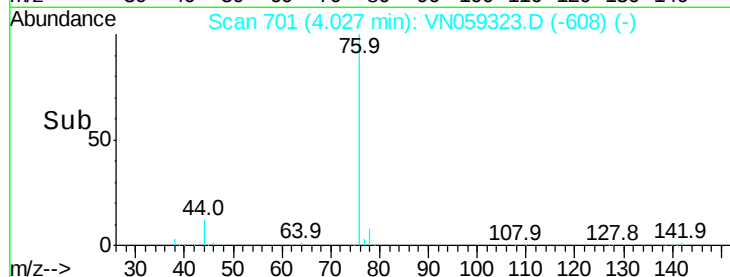
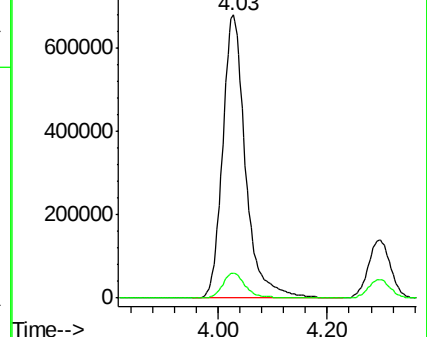
76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059323.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059323.D (-608) (-)



#18

Methyl Acetate

Concen: 182.669 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059323.D

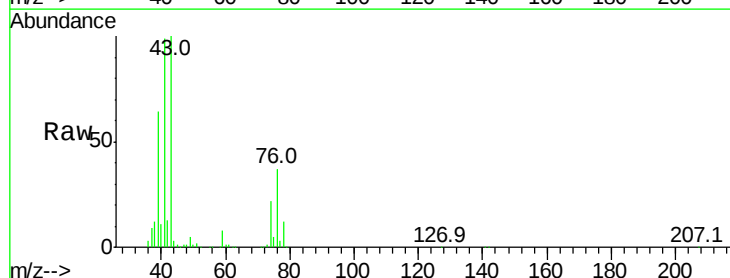
Acq: 20 Nov 2019 13:13

Tgt Ion: 43 Resp: 1067462

Ion Ratio Lower Upper

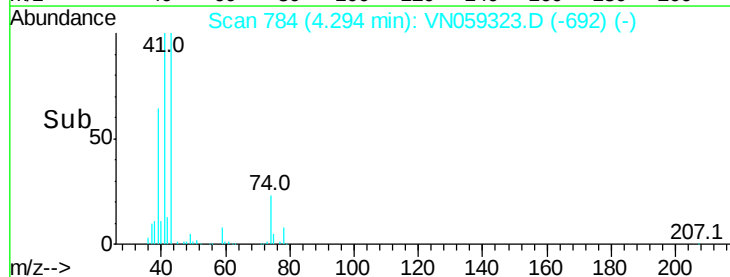
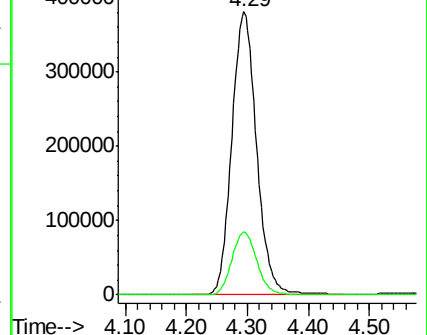
43 100

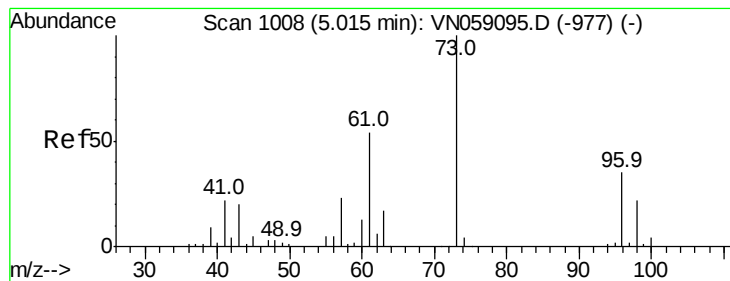
74 22.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059323.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059323.D (-692) (-)



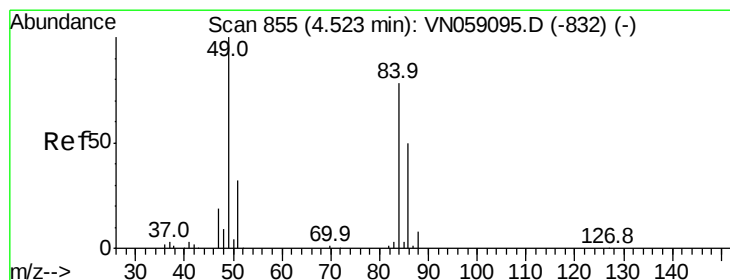
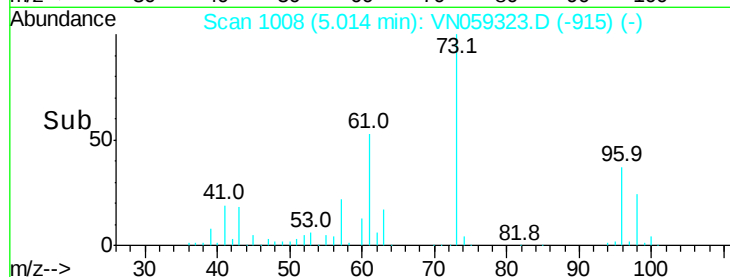
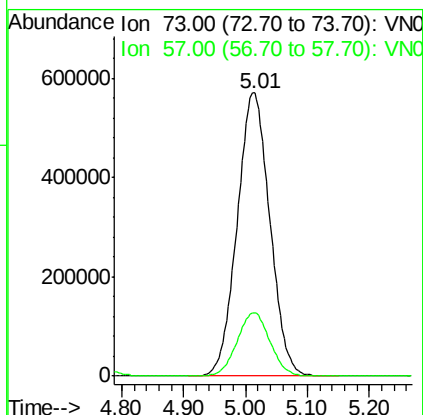
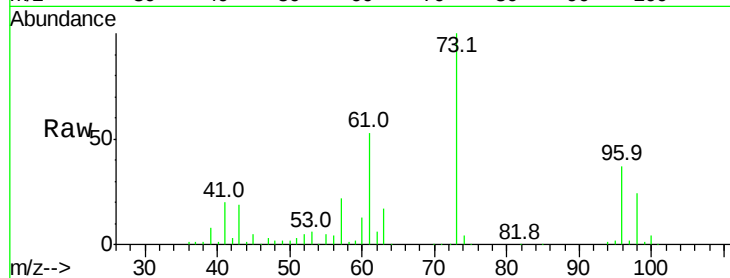


#19

Methyl tert-butyl Ether
 Concen: 169.177 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

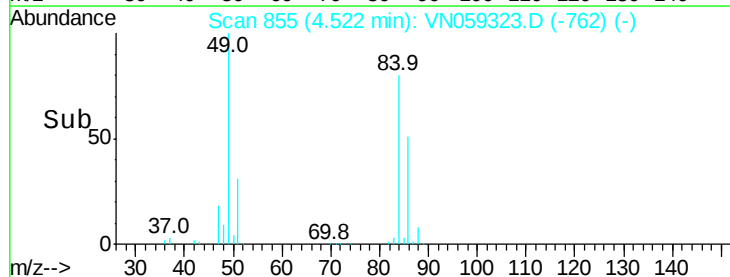
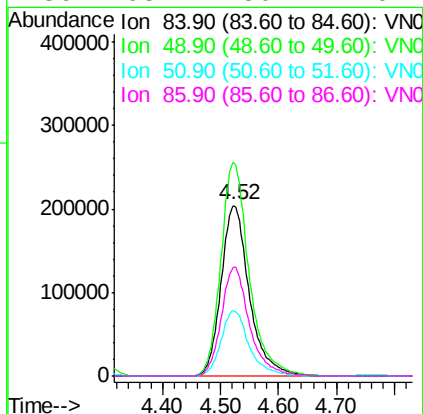
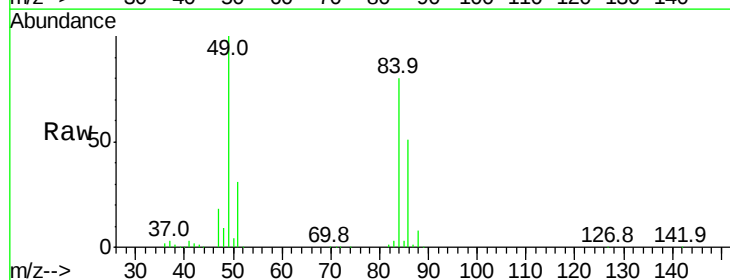
Tgt Ion: 73 Resp: 2092624
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.4 27.6

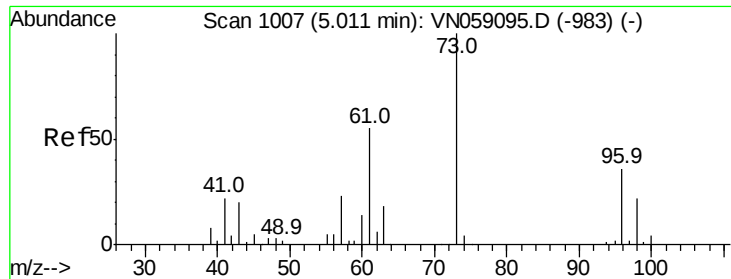


#20

Methylene Chloride
 Concen: 161.317 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion: 84 Resp: 691906
 Ion Ratio Lower Upper
 84 100
 49 125.0 102.0 153.0
 51 38.5 32.2 48.2
 86 63.7 50.7 76.1

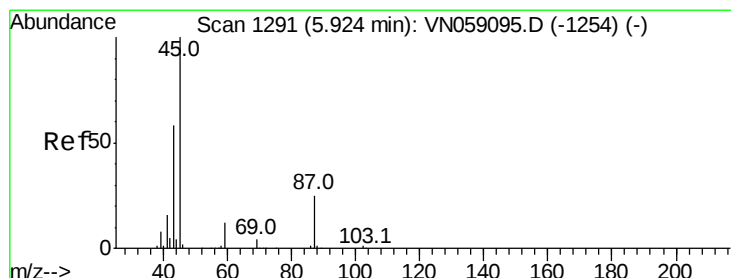
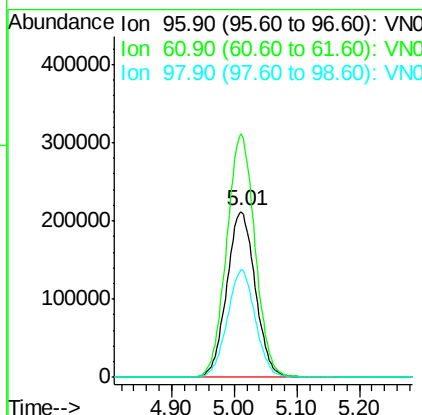
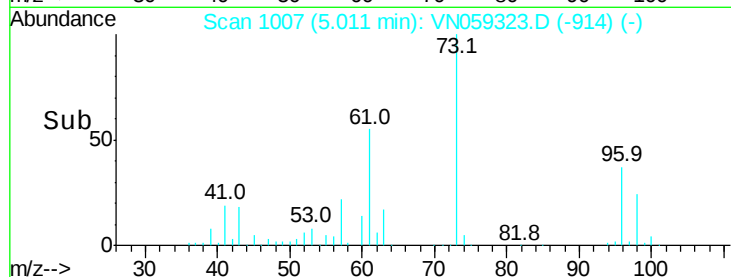
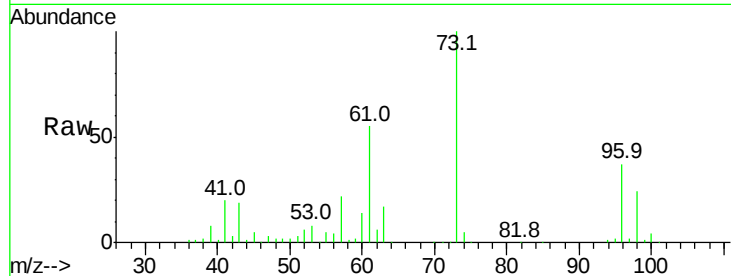




#21
trans-1,2-Dichloroethene
Concen: 172.995 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

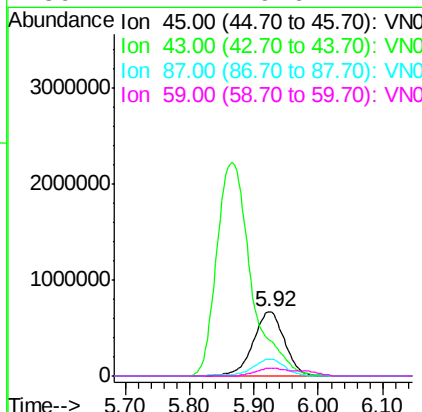
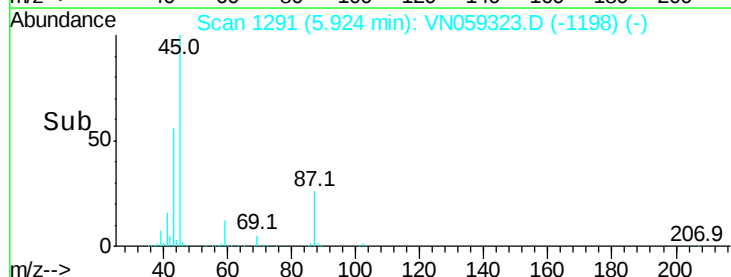
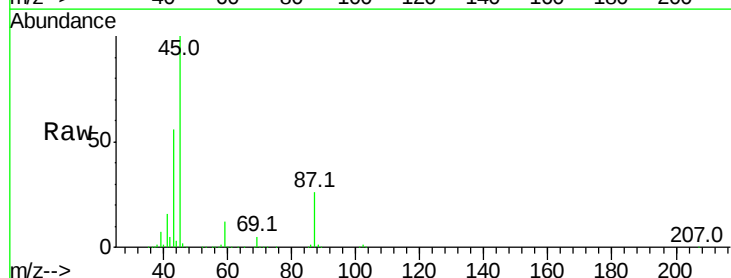
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

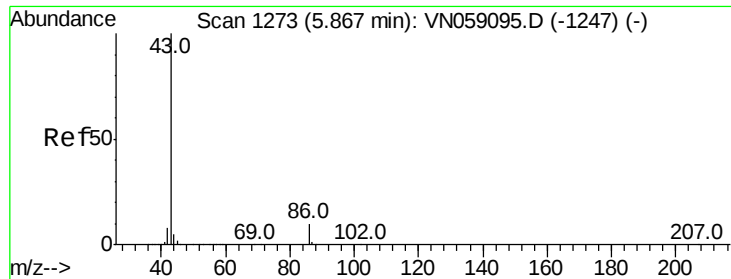
Tgt Ion: 96 Resp: 667148
Ion Ratio Lower Upper
96 100
61 146.5 122.6 183.8
98 64.8 50.3 75.5



#22
Diisopropyl ether
Concen: 162.129 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 45 Resp: 2260038
Ion Ratio Lower Upper
45 100
43 55.2 46.7 70.1
87 26.4 20.5 30.7
59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 767.389 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

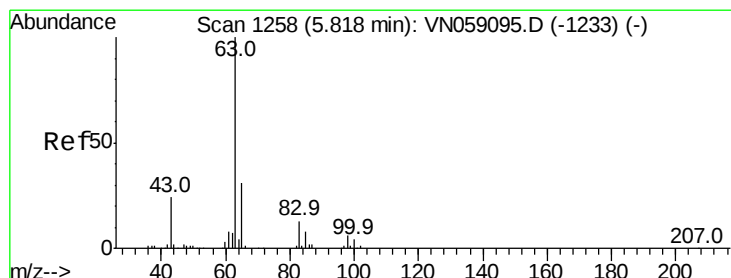
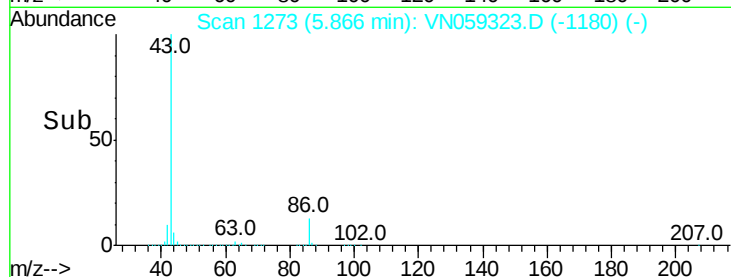
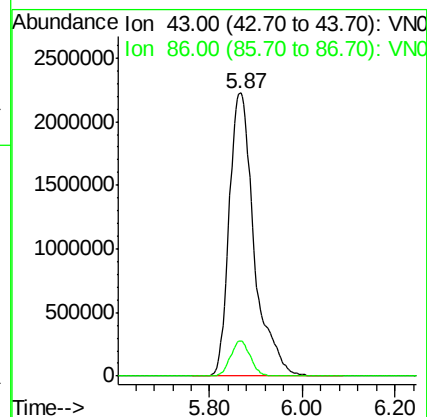
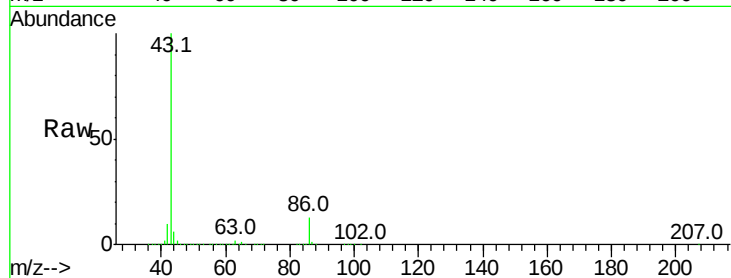
VSTDIC150

Tgt Ion: 43 Resp: 8290504

Ion Ratio Lower Upper

43 100

86 12.5 7.7 11.5#



#24

1,1-Dichloroethane

Concen: 161.613 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

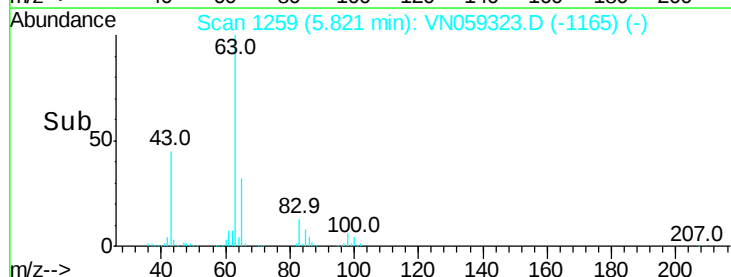
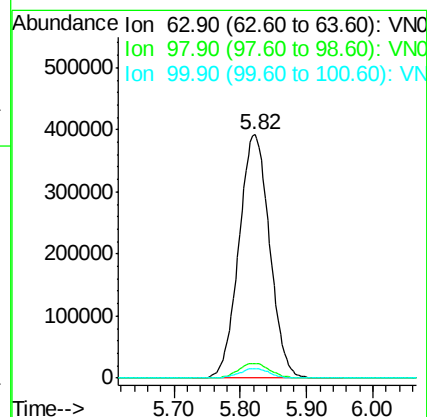
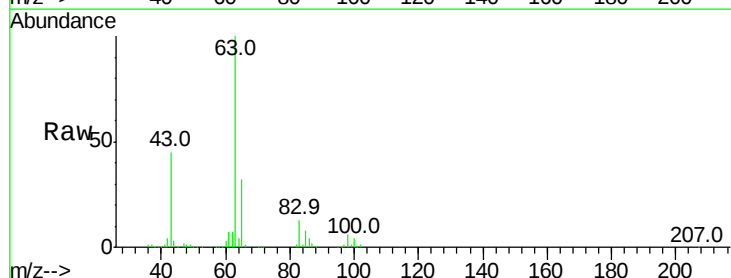
Tgt Ion: 63 Resp: 1258271

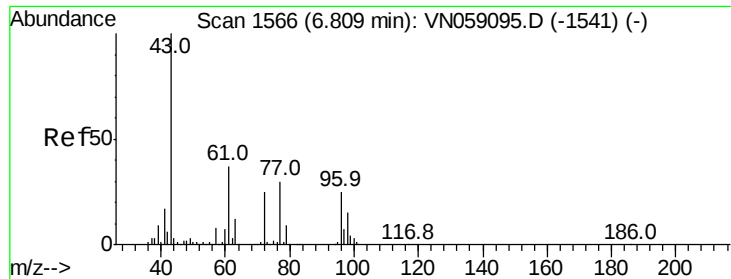
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 4.1 1.9 5.7





#25

2-Butanone

Concen: 781.074 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

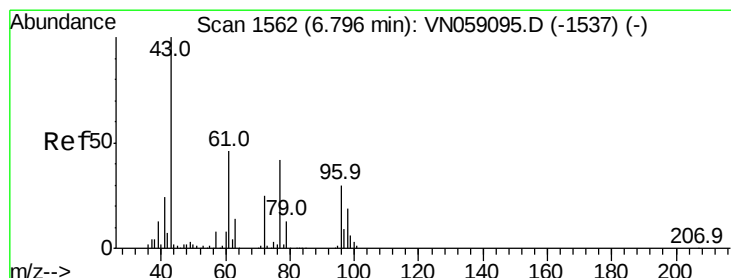
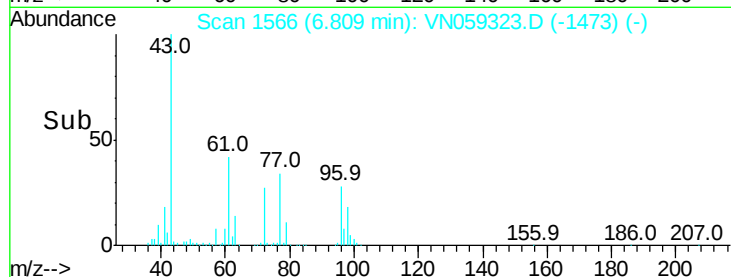
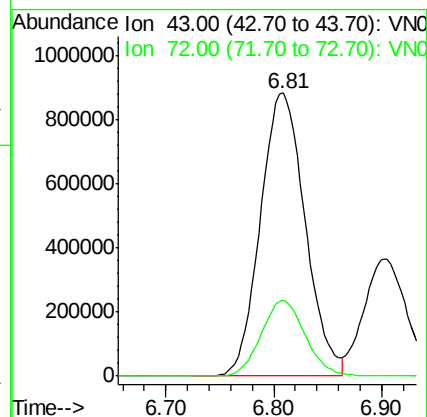
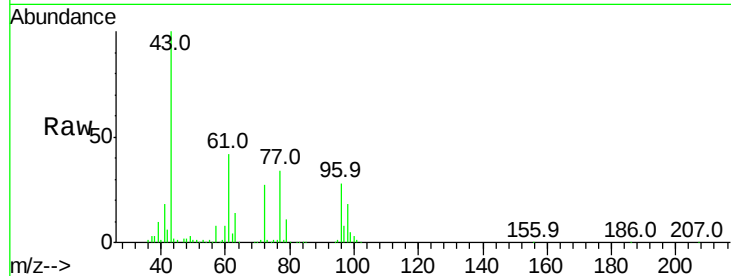
VSTDIC150

Tgt Ion: 43 Resp: 2534367

Ion Ratio Lower Upper

43 100

72 26.8 20.3 30.5



#26

2,2-Dichloropropane

Concen: 155.670 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059323.D

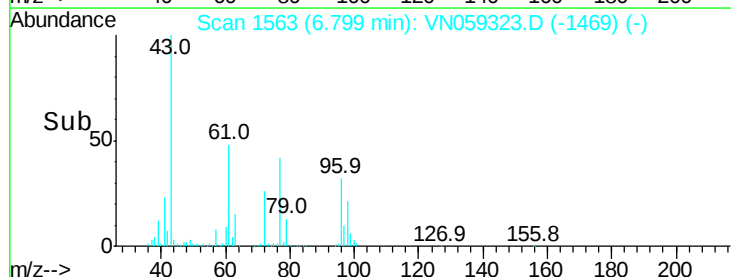
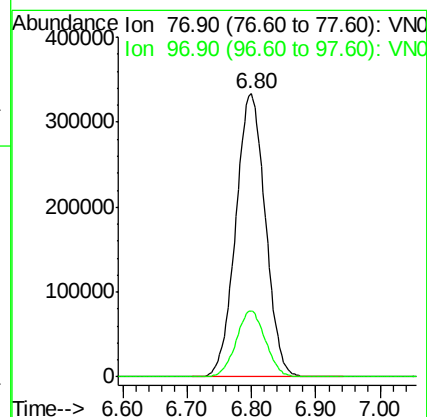
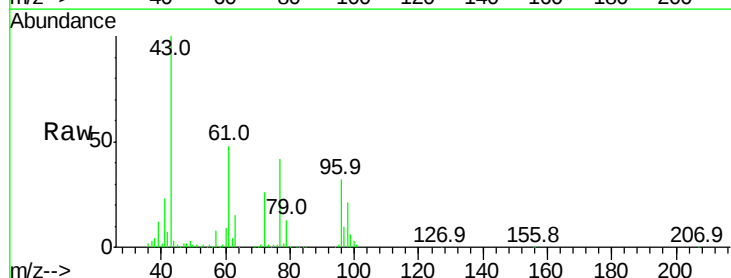
Acq: 20 Nov 2019 13:13

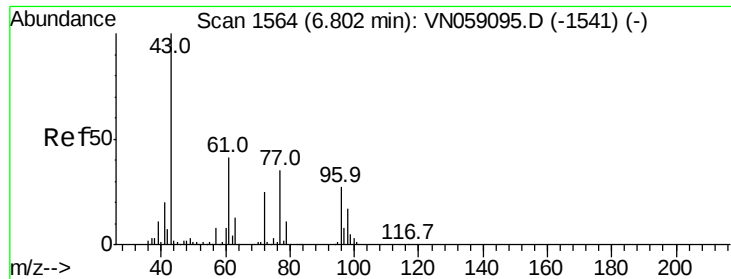
Tgt Ion: 77 Resp: 1059789

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 168.035 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

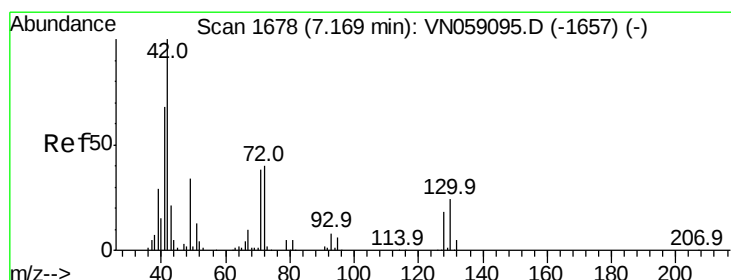
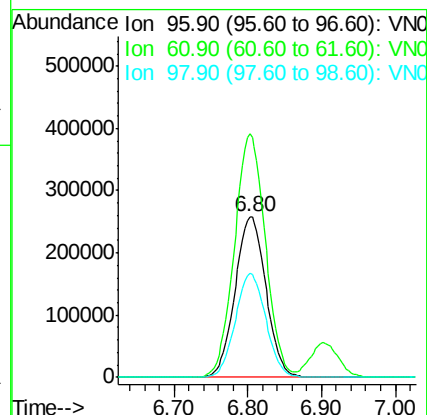
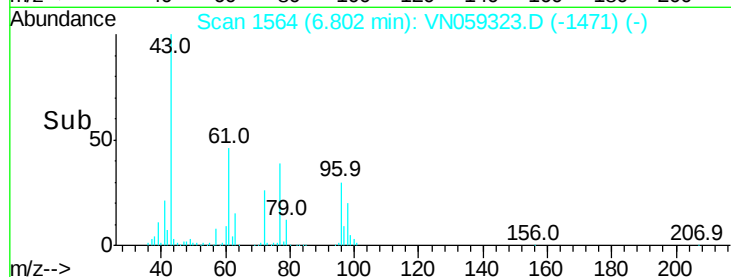
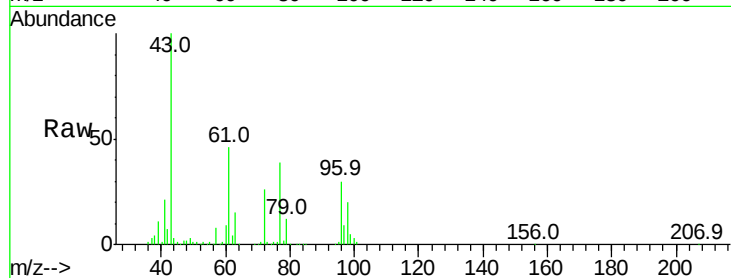
Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 96 Resp: 751811

Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	311.6
98	64.0	0.0	129.8



#28

Bromochloromethane

Concen: 225.788 ug/l

RT: 7.17 min Scan# 1679

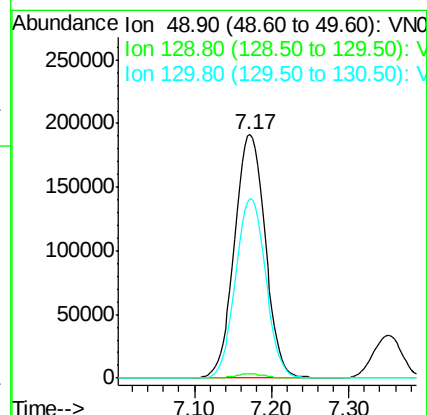
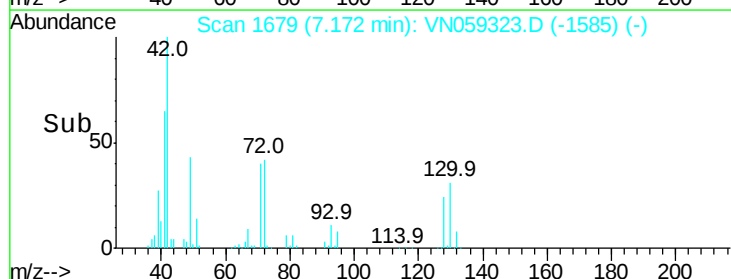
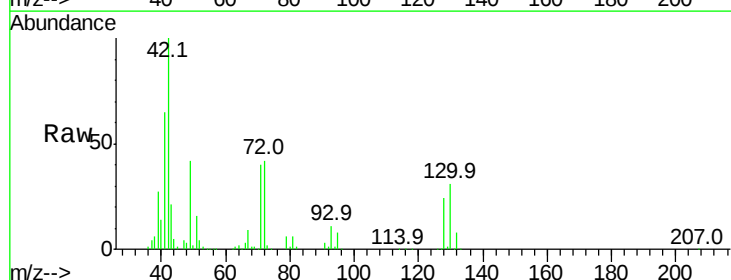
Delta R.T. 0.00 min

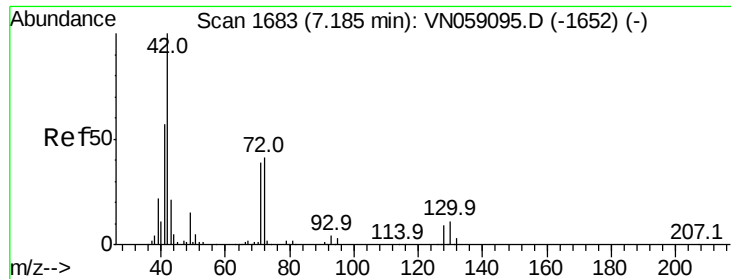
Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion: 49 Resp: 528882

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	72.3	55.6	83.4





#29

Tetrahydrofuran

Concen: 836.981 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

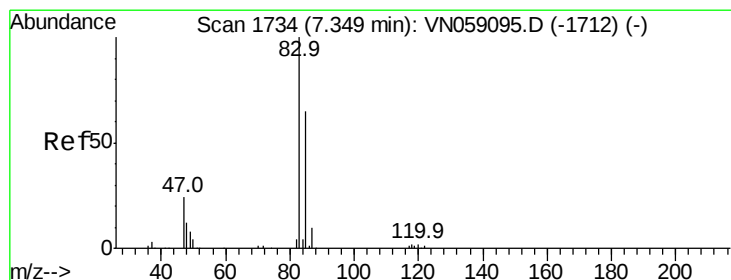
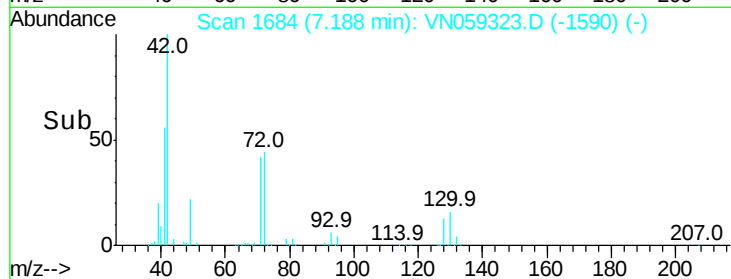
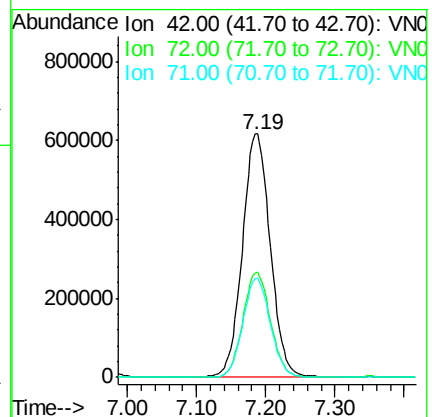
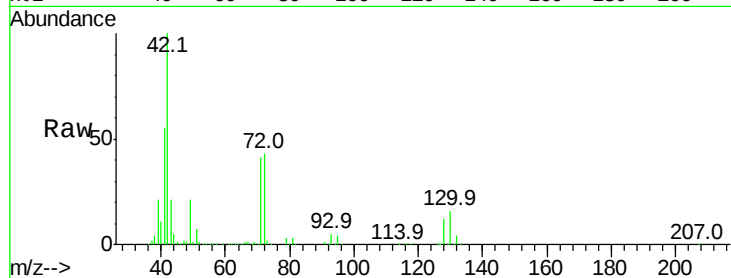
Tgt Ion: 42 Resp: 1725598

Ion Ratio Lower Upper

42 100

72 42.6 33.1 49.7

71 40.4 30.9 46.3



#30

Chloroform

Concen: 160.183 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059323.D

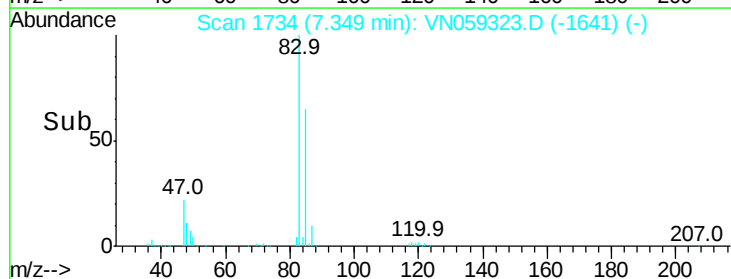
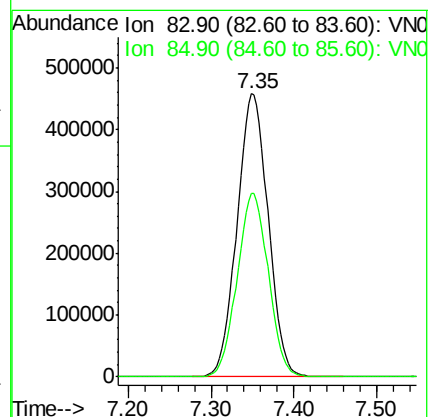
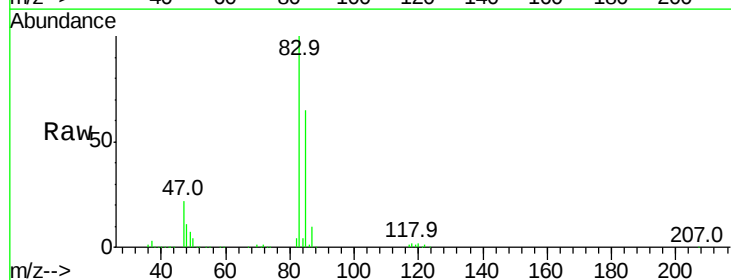
Acq: 20 Nov 2019 13:13

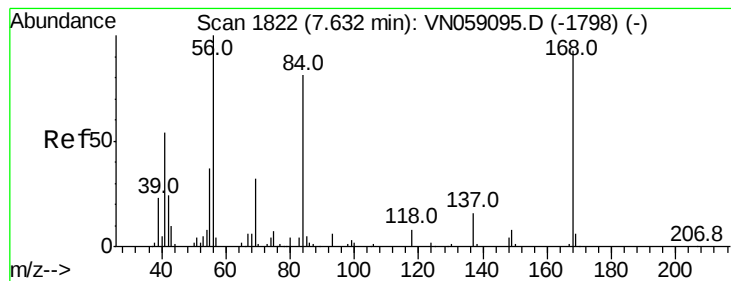
Tgt Ion: 83 Resp: 1196345

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.8





#31

Cyclohexane

Concen: 163.513 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

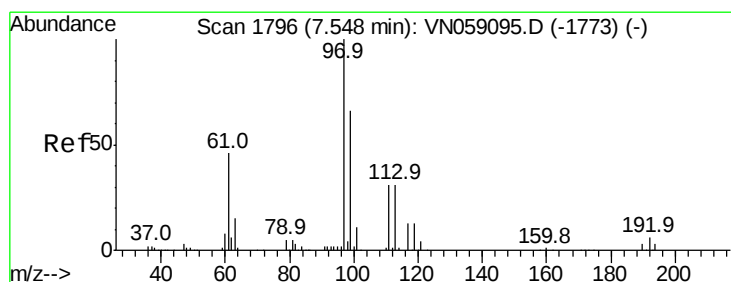
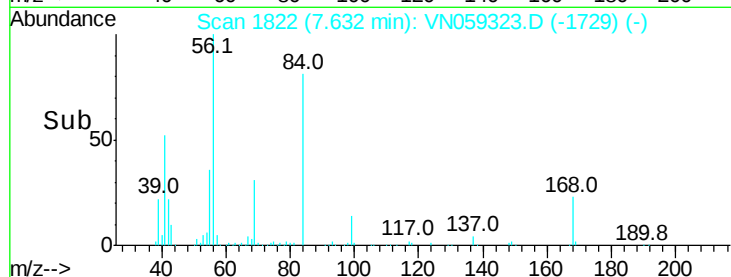
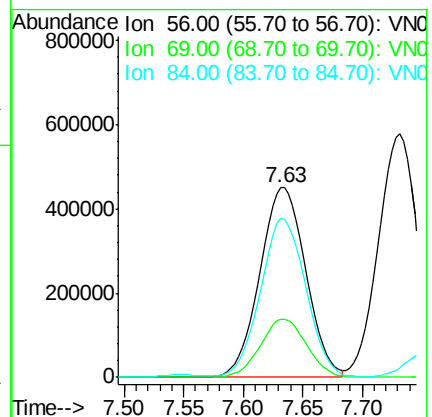
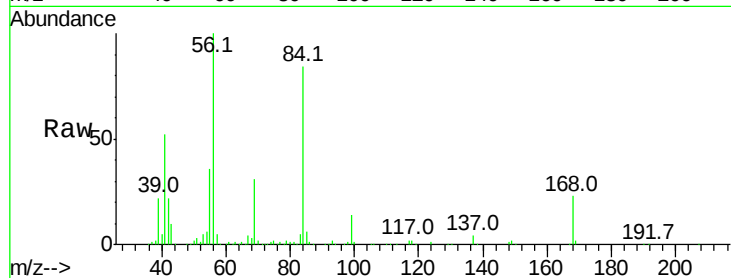
Tgt Ion: 56 Resp: 1205182

Ion Ratio Lower Upper

56 100

69 30.6 25.8 38.8

84 82.6 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 165.205 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

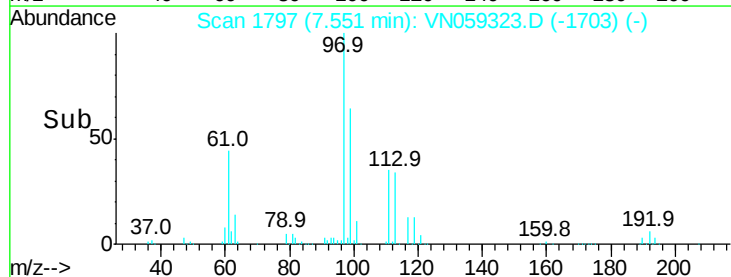
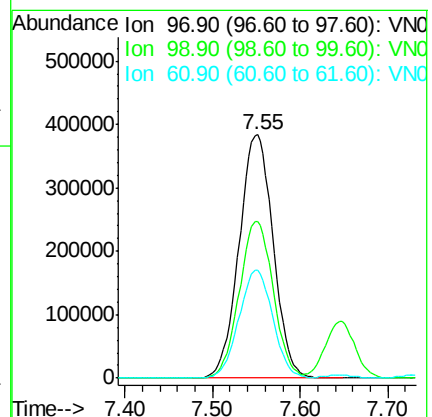
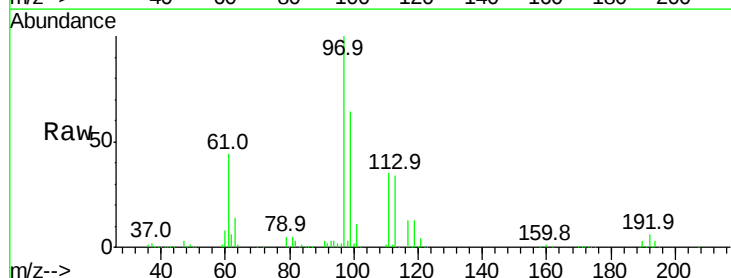
Tgt Ion: 97 Resp: 1037359

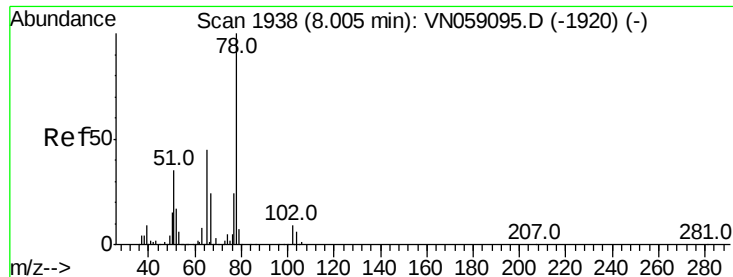
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 44.1 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 158.604 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

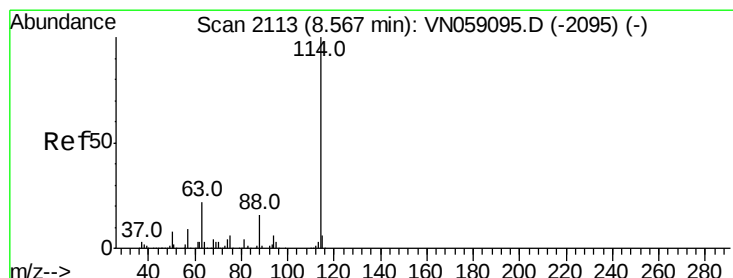
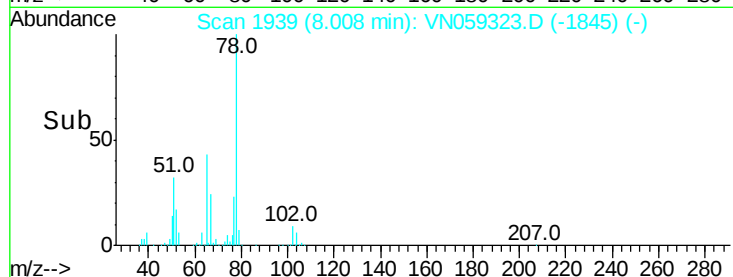
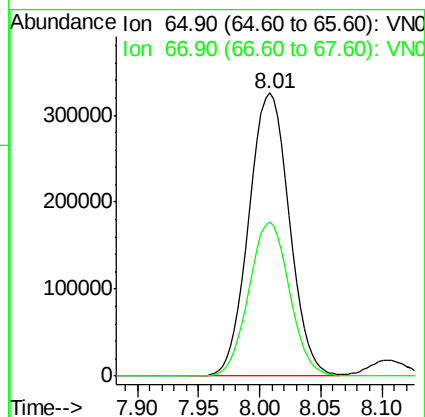
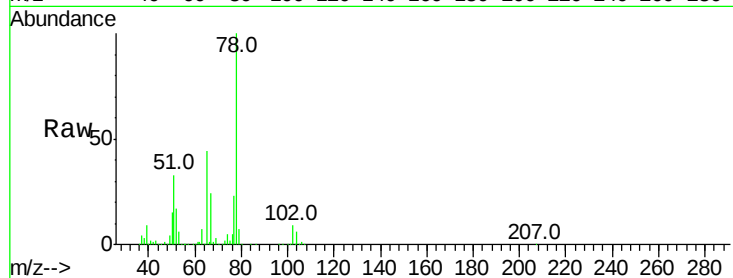
VSTDIC150

Tgt Ion: 65 Resp: 750890

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

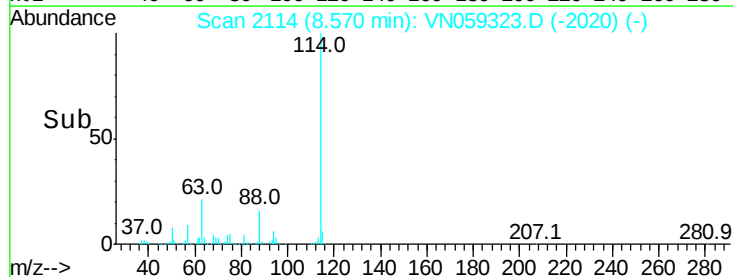
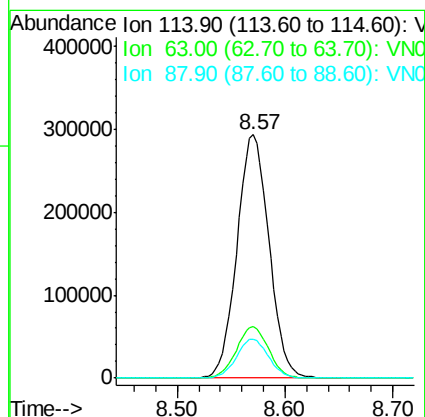
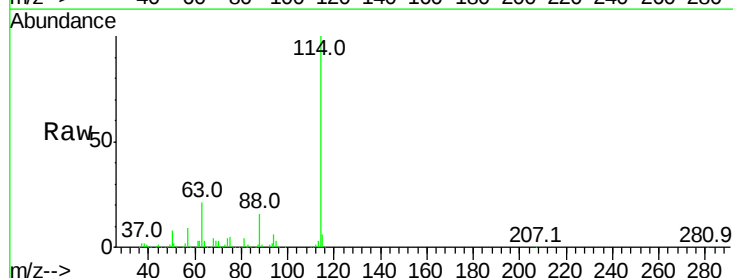
Tgt Ion: 114 Resp: 607743

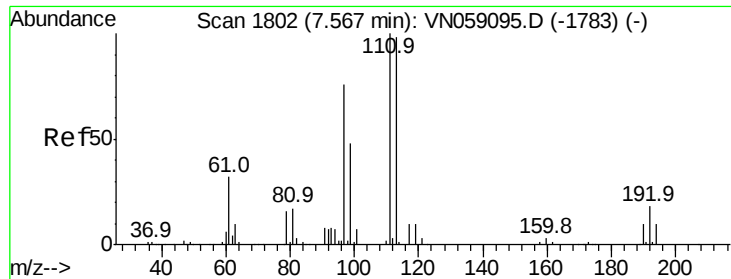
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 168.328 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

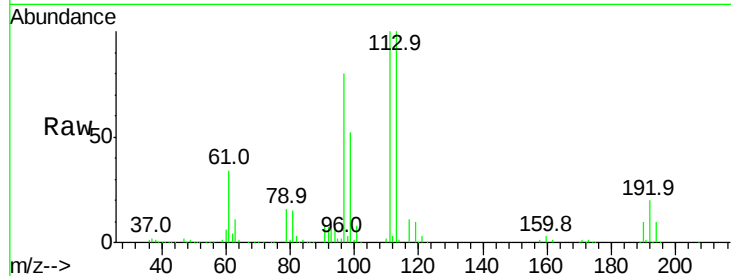
Tgt Ion:113 Resp: 610832

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

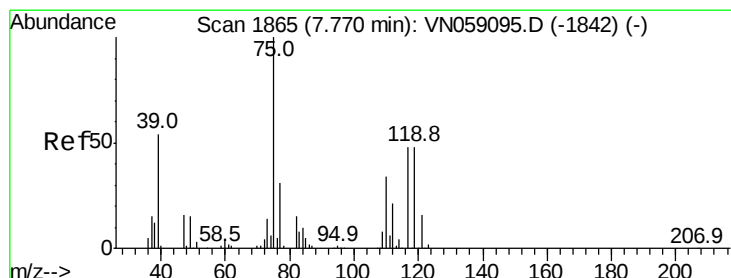
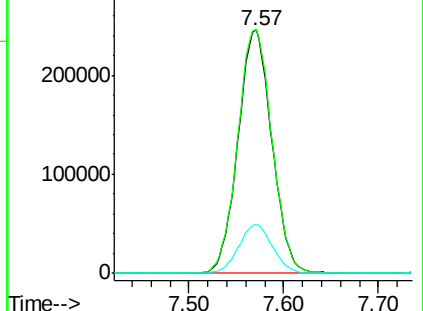
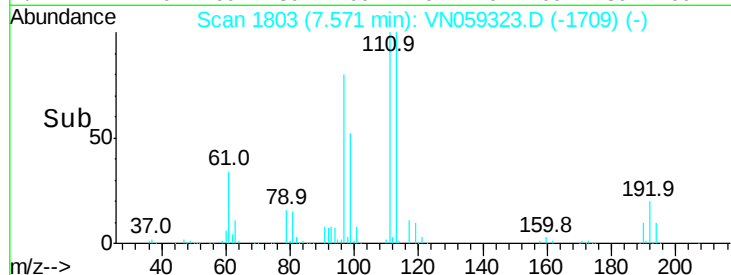
192 20.0 16.1 24.1



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: 171.038 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

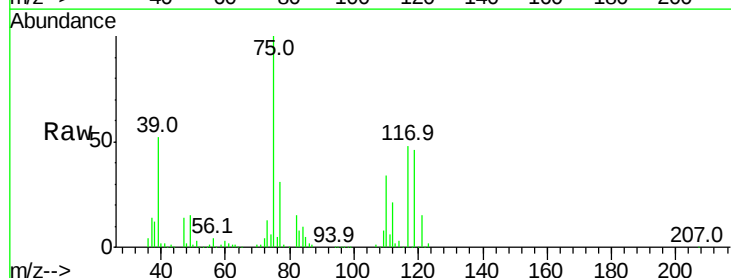
Tgt Ion: 75 Resp: 971606

Ion Ratio Lower Upper

75 100

110 34.0 17.1 51.2

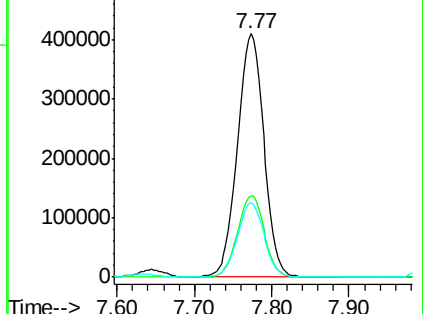
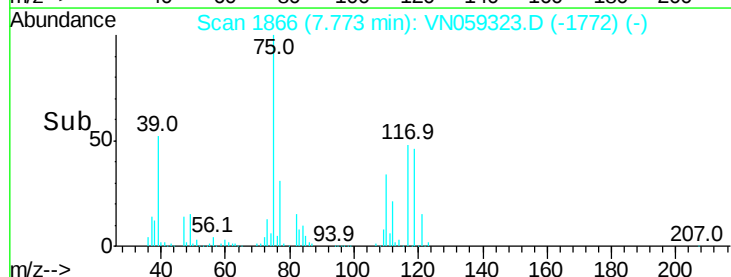
77 30.9 24.8 37.2

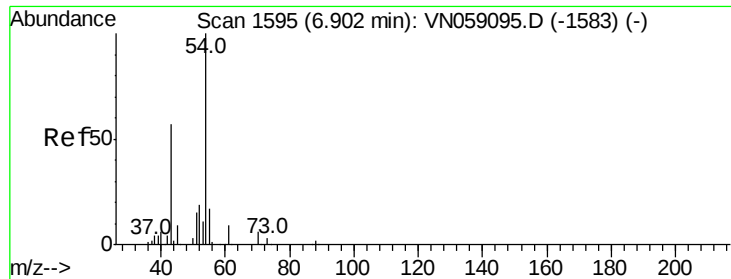


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

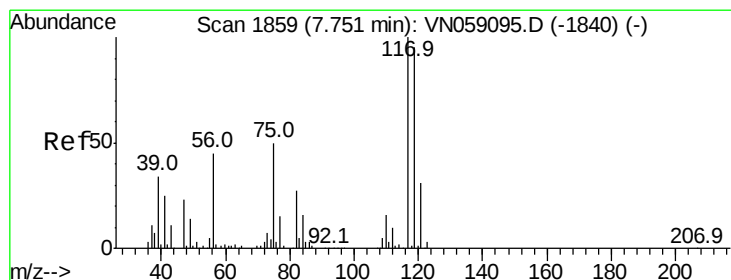
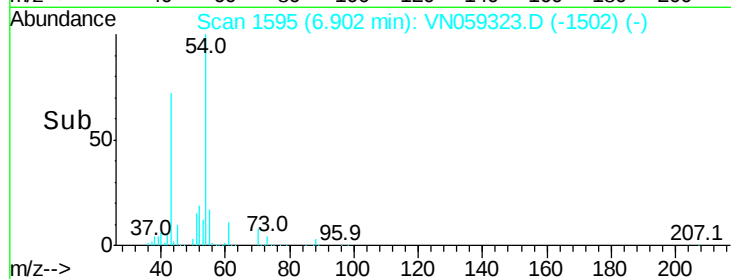
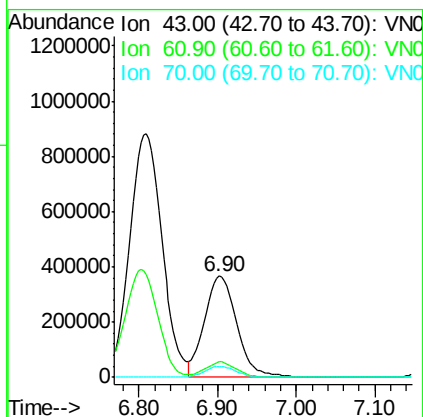
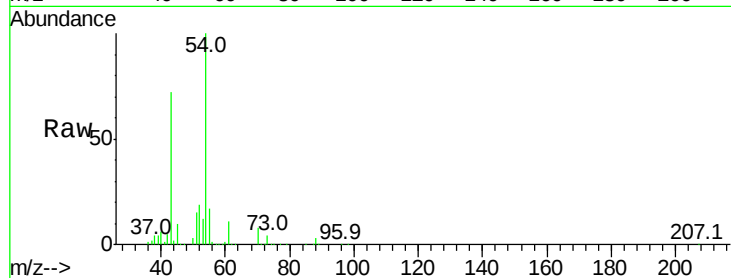




#37
 Ethyl Acetate
 Concen: 163.426 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

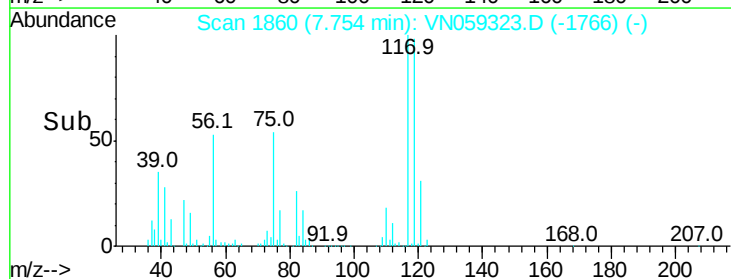
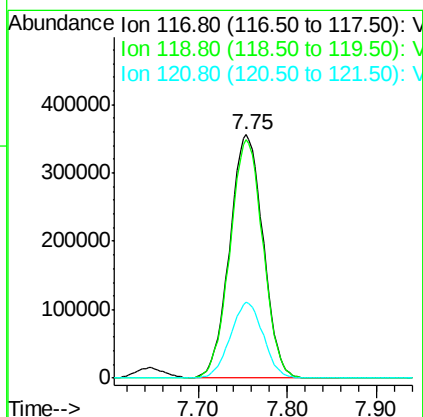
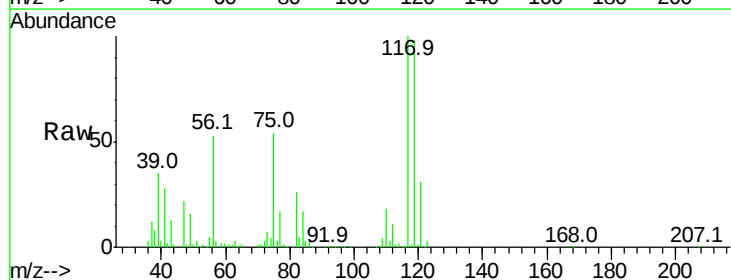
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

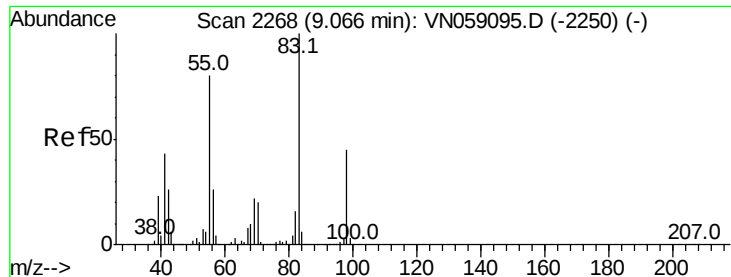
Tgt Ion: 43 Resp: 1032777
 Ion Ratio Lower Upper
 43 100
 61 14.6 11.2 16.8
 70 10.6 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 163.413 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion: 117 Resp: 923940
 Ion Ratio Lower Upper
 117 100
 119 97.8 75.6 113.4
 121 31.0 24.6 36.8

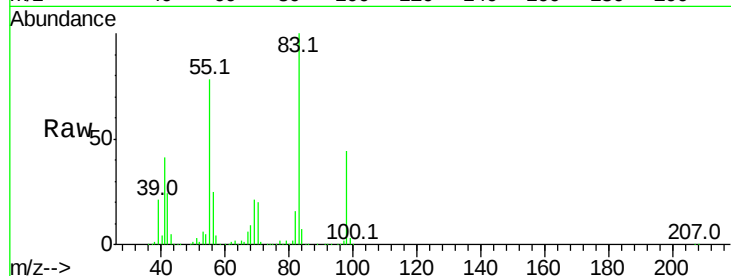




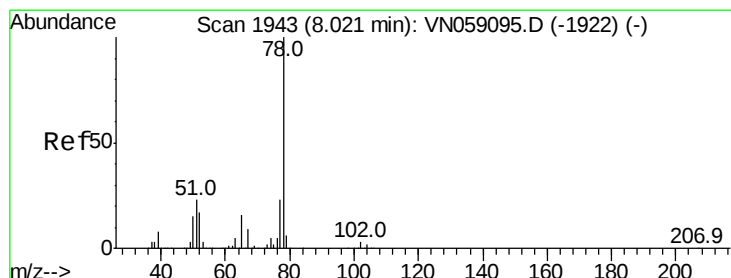
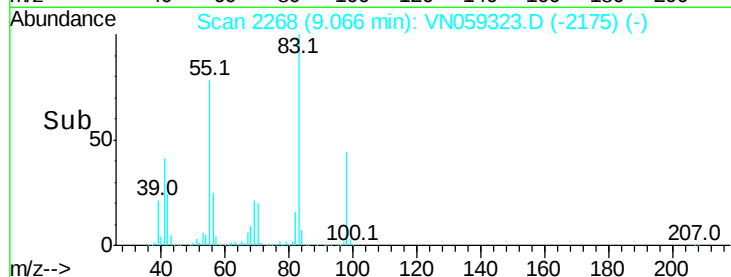
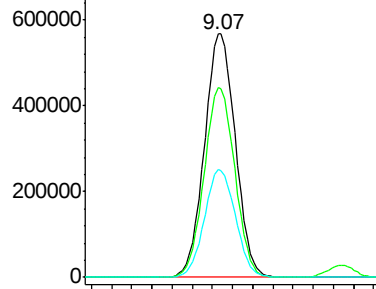
#39
Methylcyclohexane
Concen: 182.788 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 1205094
Ion Ratio Lower Upper
83 100
55 77.9 63.9 95.9
98 44.3 35.6 53.4

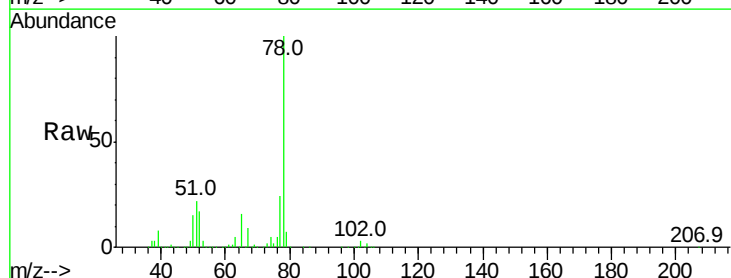


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

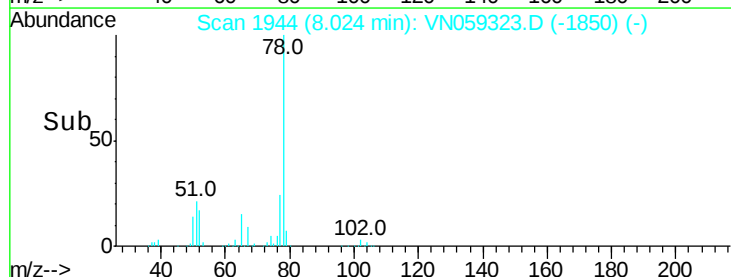
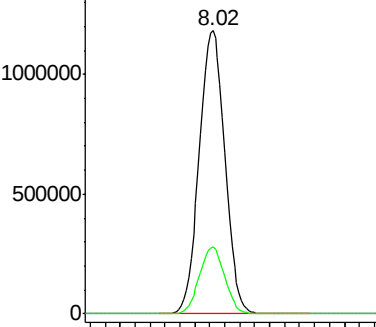


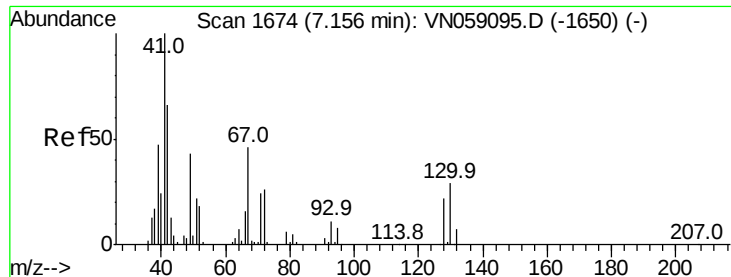
#40
Benzene
Concen: 164.715 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 78 Resp: 2817672
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

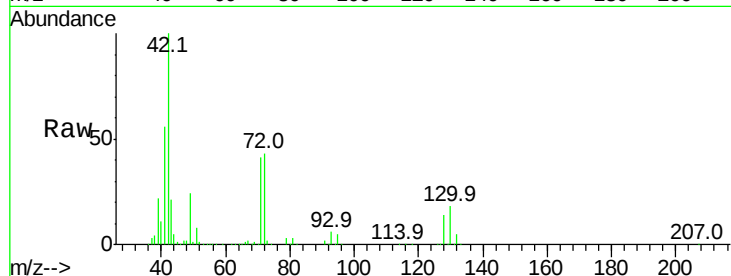




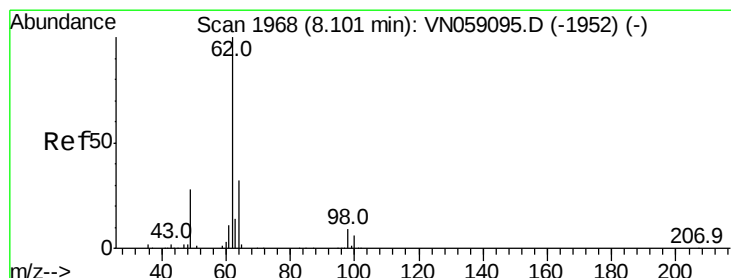
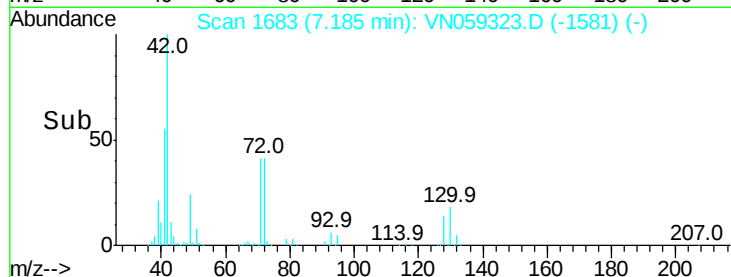
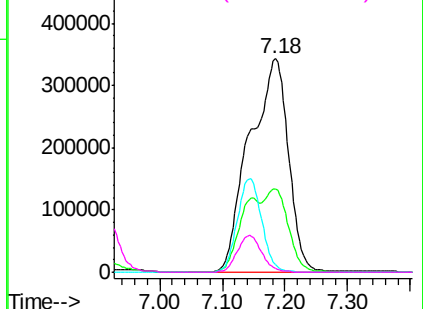
#41
Methacrylonitrile
Concen: 535.515 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 1471596
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

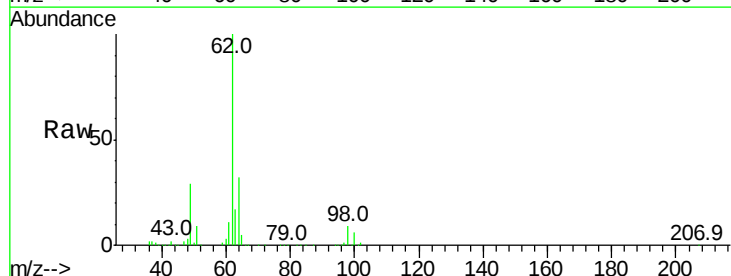


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

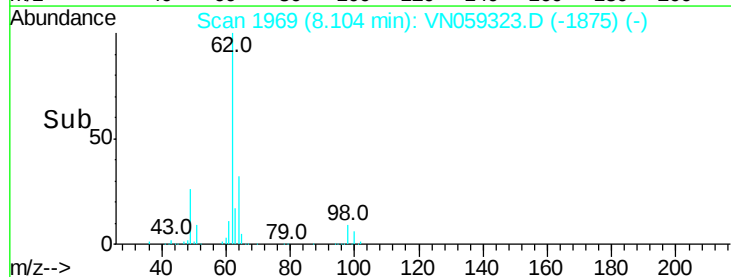
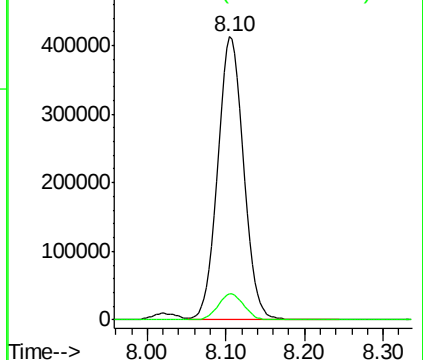


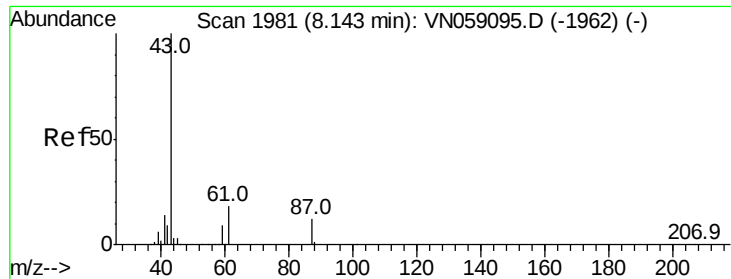
#42
1,2-Dichloroethane
Concen: 159.107 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 62 Resp: 933486
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 165.913 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

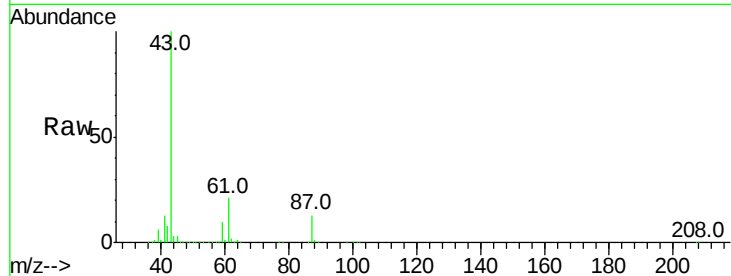
Tgt Ion: 43 Resp: 1671565

Ion Ratio Lower Upper

43 100

61 26.7 21.0 31.6

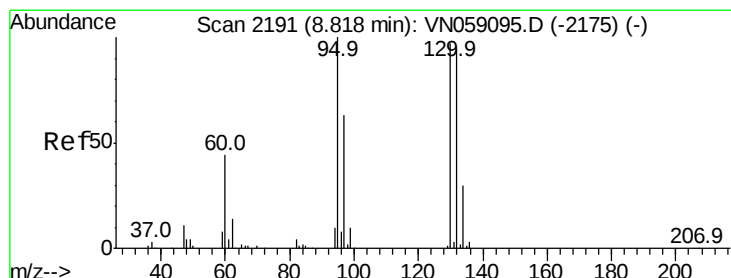
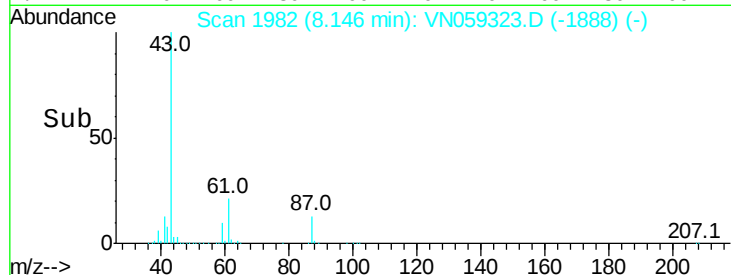
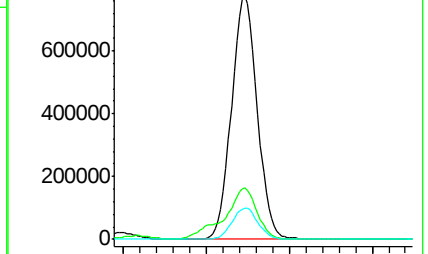
87 13.1 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)



#44

Trichloroethene

Concen: 169.345 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059323.D

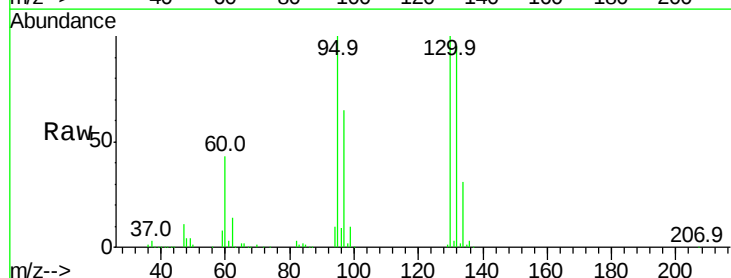
Acq: 20 Nov 2019 13:13

Tgt Ion: 130 Resp: 712103

Ion Ratio Lower Upper

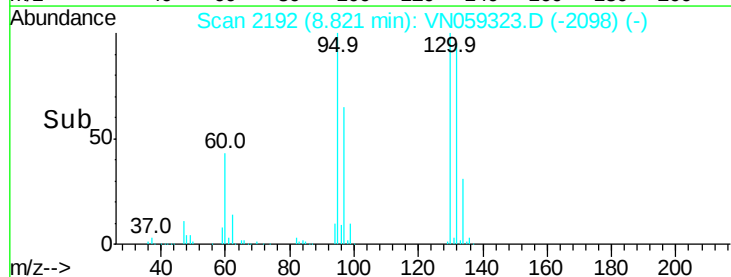
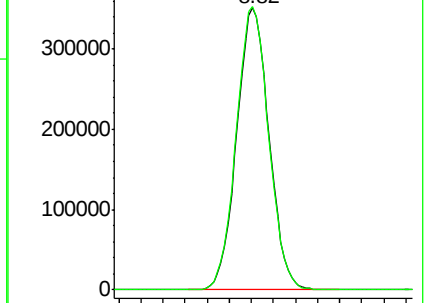
130 100

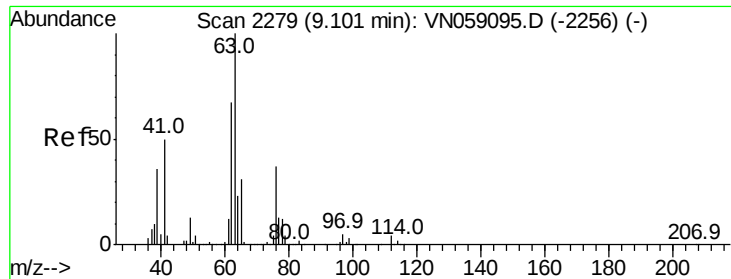
95 100.5 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)

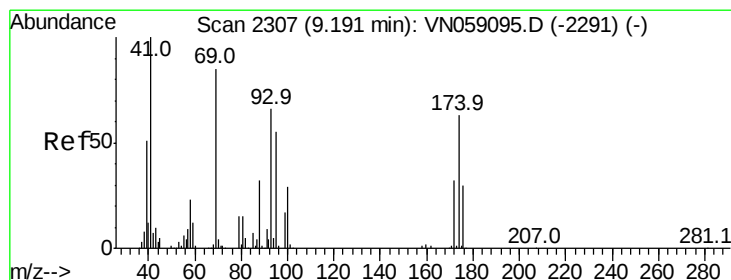
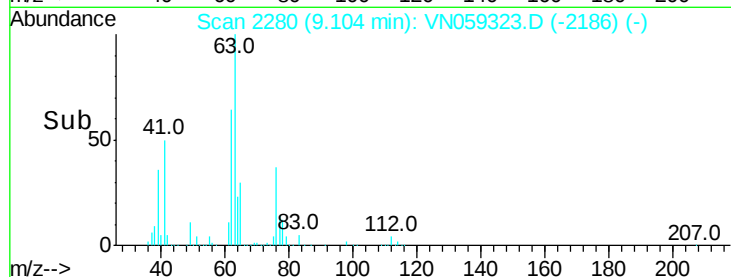
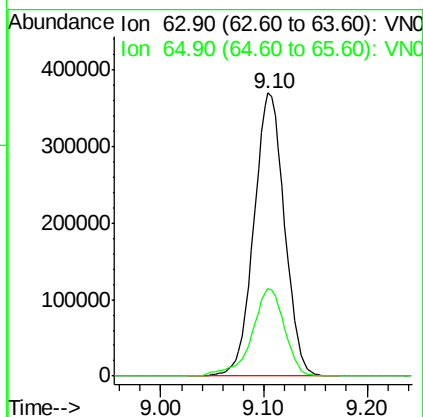
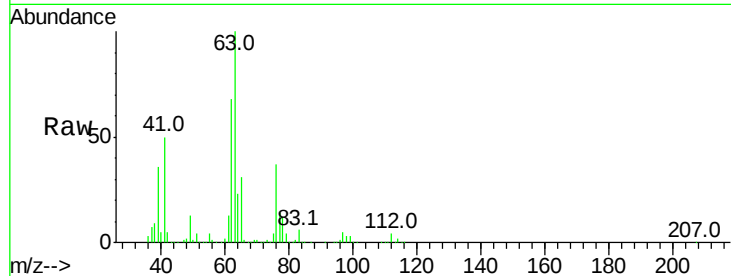




#45
 1,2-Dichloropropane
 Concen: 163.176 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

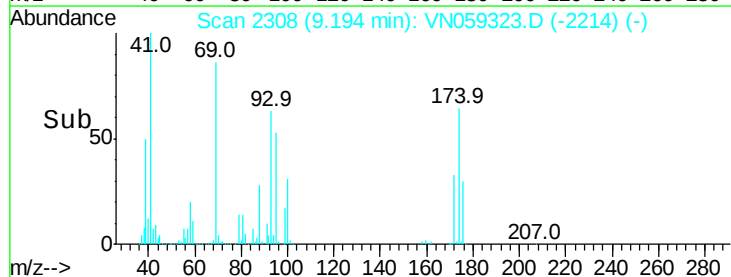
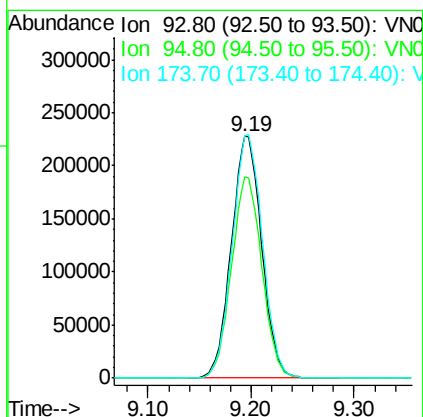
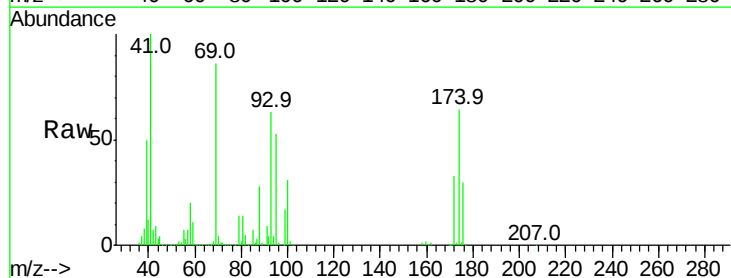
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

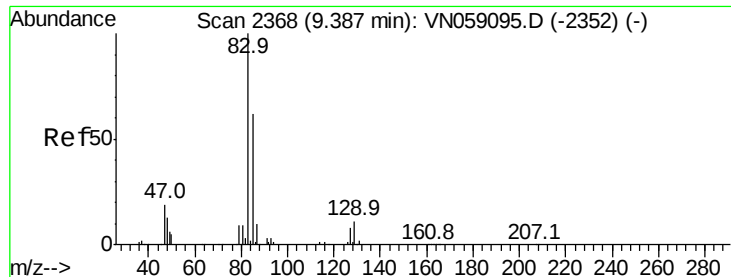
Tgt Ion: 63 Resp: 758180
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0



#46
 Dibromomethane
 Concen: 161.362 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion: 93 Resp: 467206
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 100.5 78.2 117.2





#47

Bromodichloromethane

Concen: 164.732 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

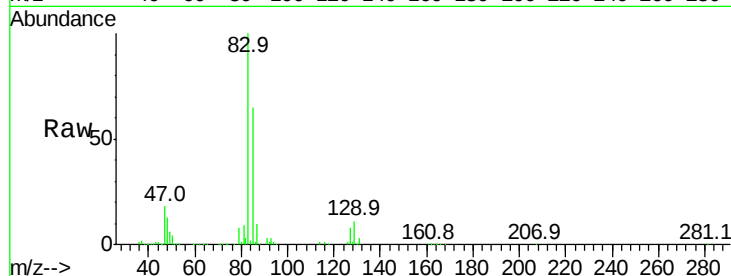
Tgt Ion: 83 Resp: 952418

Ion Ratio Lower Upper

83 100

85 64.9 49.7 74.5

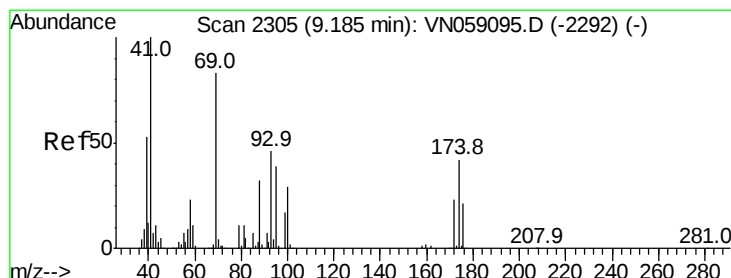
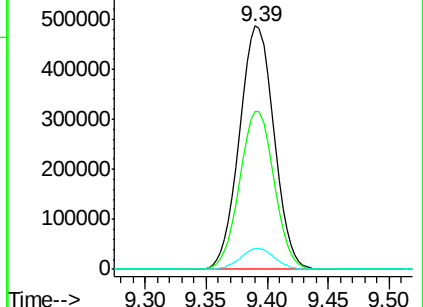
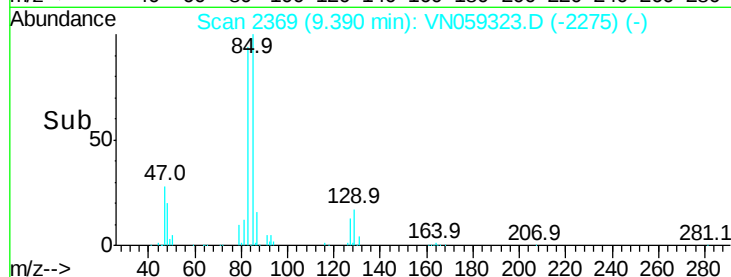
127 8.4 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059323.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059323.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059323.D (-2275) (-)



#48

Methyl methacrylate

Concen: 170.973 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

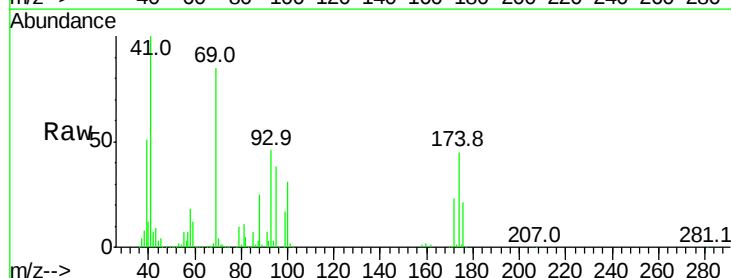
Tgt Ion: 41 Resp: 770485

Ion Ratio Lower Upper

41 100

69 87.6 67.3 100.9

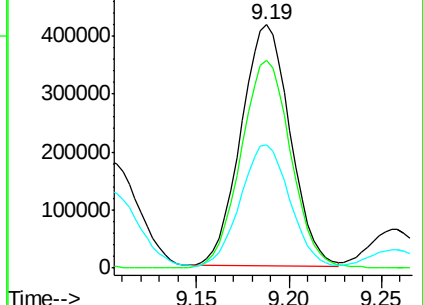
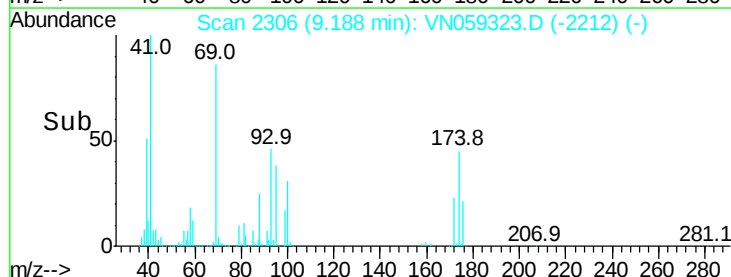
39 51.6 43.3 64.9

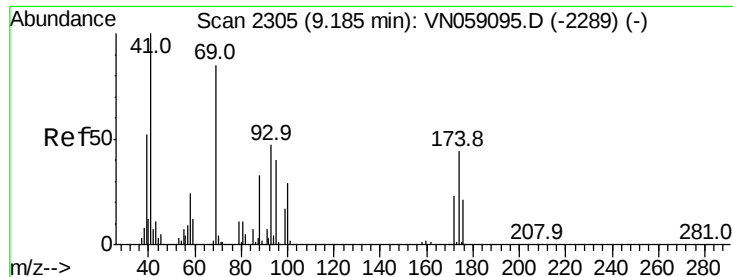


Abundance Ion 41.00 (40.70 to 41.70): VN059323.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059323.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059323.D (-2212) (-)





#49

1,4-Dioxane

Concen: 2804.757 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

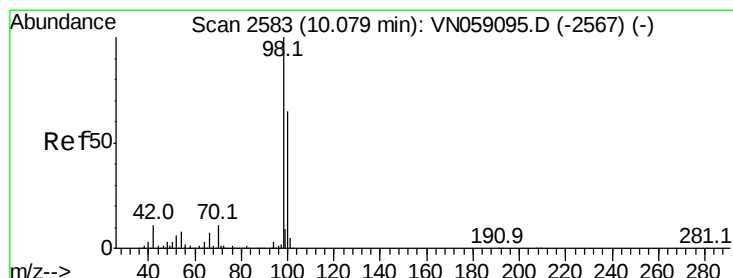
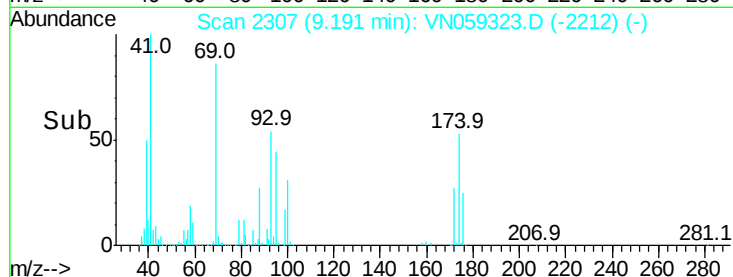
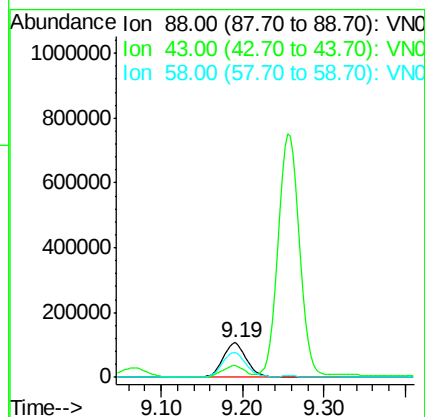
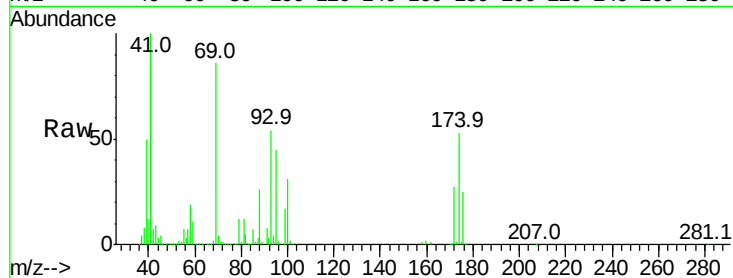
Tgt Ion: 88 Resp: 224624

Ion Ratio Lower Upper

88 100

43 31.5 26.3 39.5

58 72.0 60.6 90.8



#50

Toluene-d8

Concen: 167.183 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059323.D

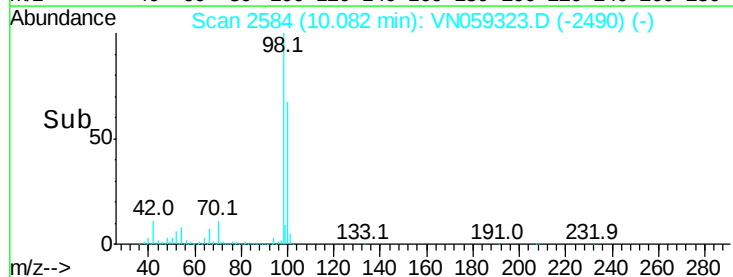
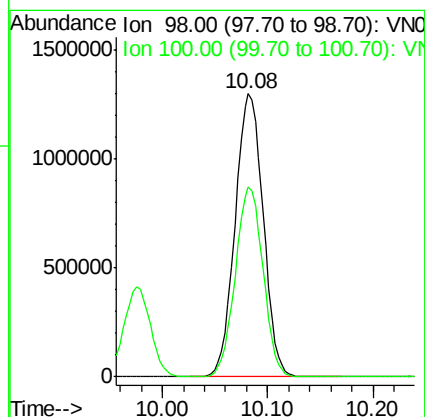
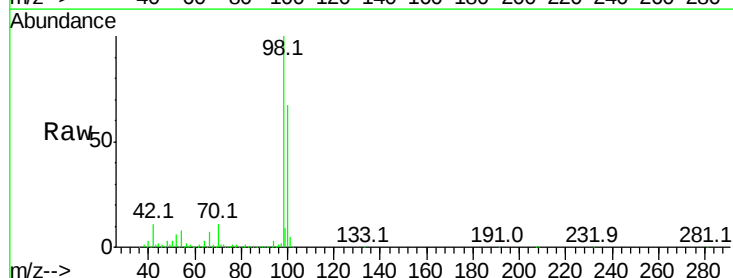
Acq: 20 Nov 2019 13:13

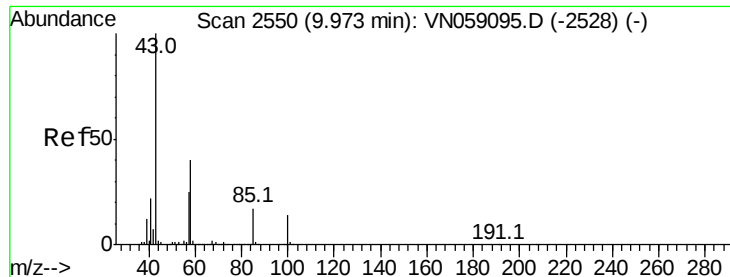
Tgt Ion: 98 Resp: 2389643

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 763.547 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

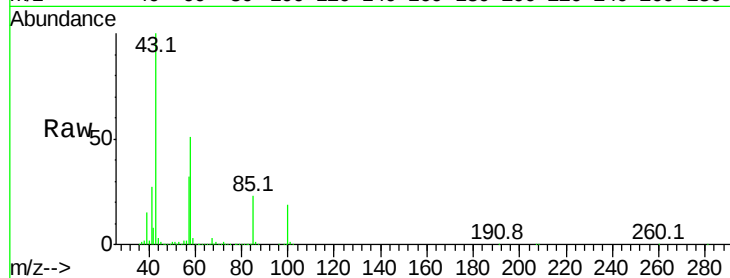
VSTDIC150

Tgt Ion: 43 Resp: 4352706

Ion Ratio Lower Upper

43 100

58 46.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500000

2000000

1500000

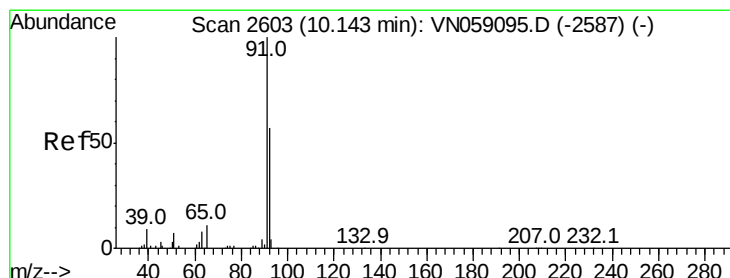
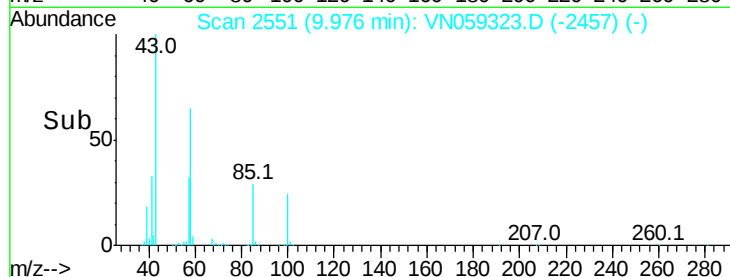
1000000

500000

0

9.98

Time-->



#52

Toluene

Concen: 168.849 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059323.D

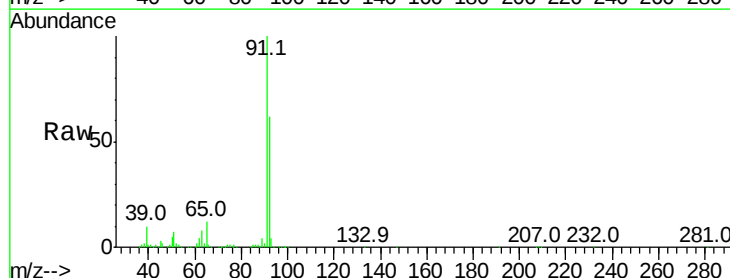
Acq: 20 Nov 2019 13:13

Tgt Ion: 92 Resp: 1731220

Ion Ratio Lower Upper

92 100

91 166.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1500000

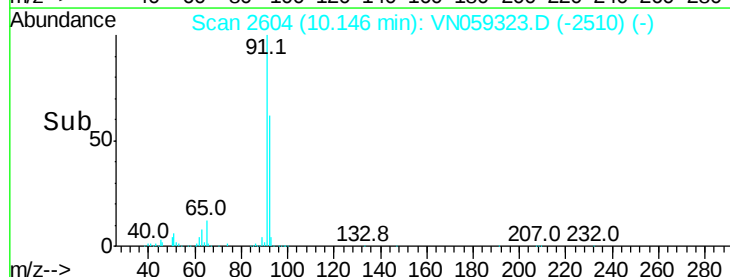
1000000

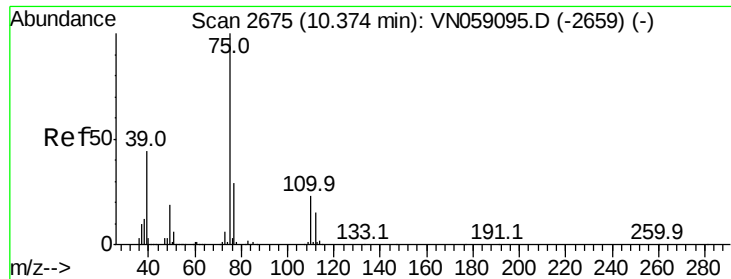
500000

0

10.15

Time-->





#53

t-1,3-Dichloropropene

Concen: 169.931 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

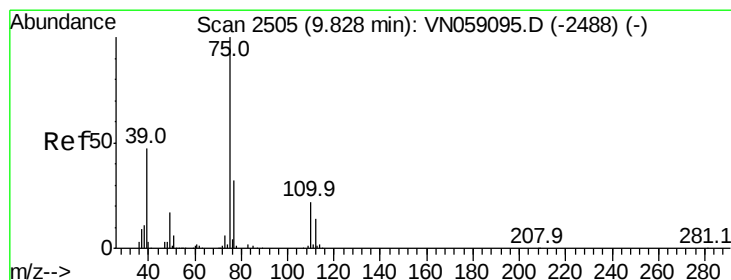
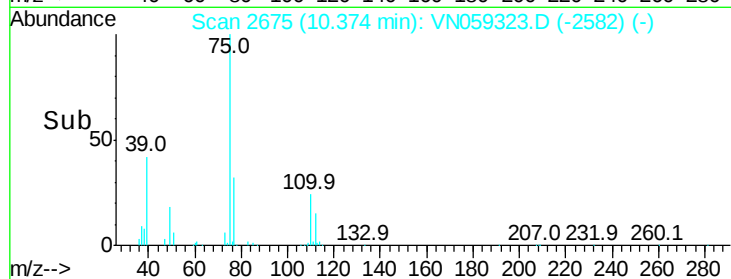
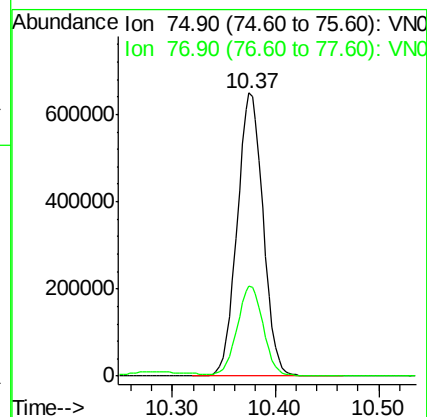
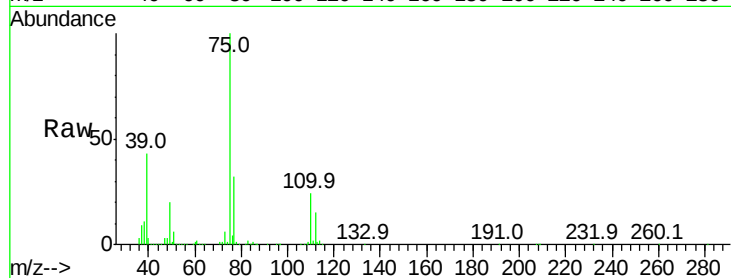
VSTDIC150

Tgt Ion: 75 Resp: 1135081

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 170.435 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

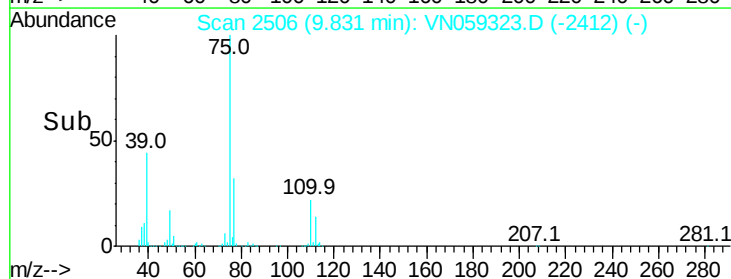
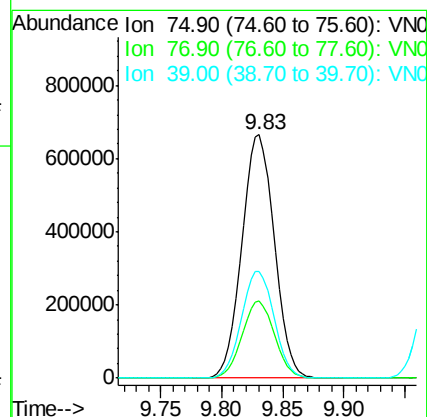
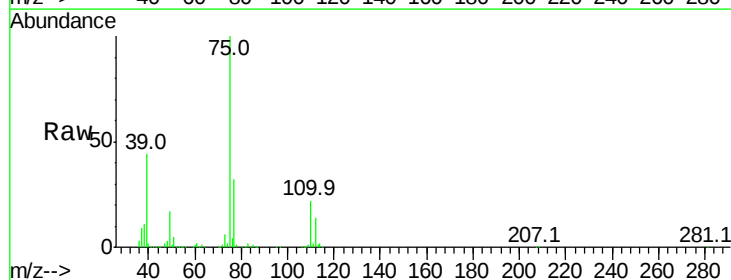
Tgt Ion: 75 Resp: 1224605

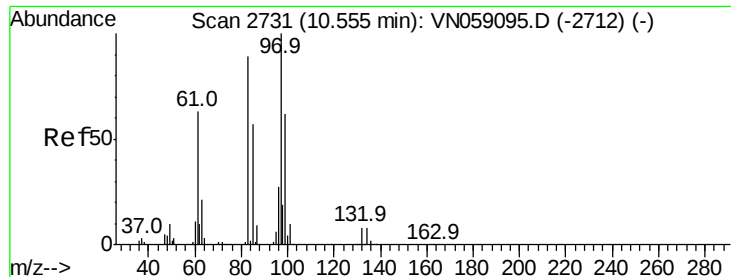
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 43.8 37.3 55.9

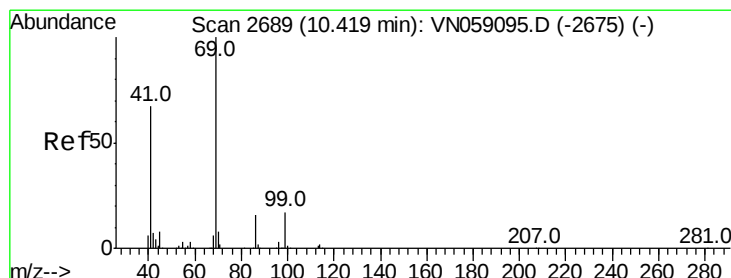
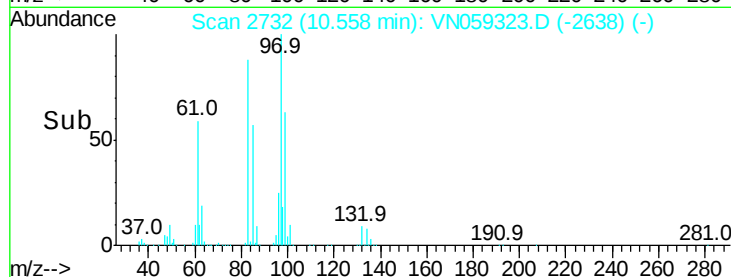
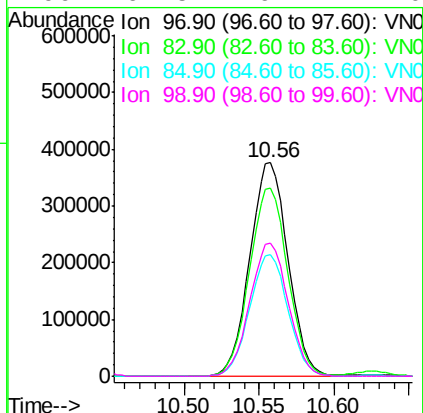
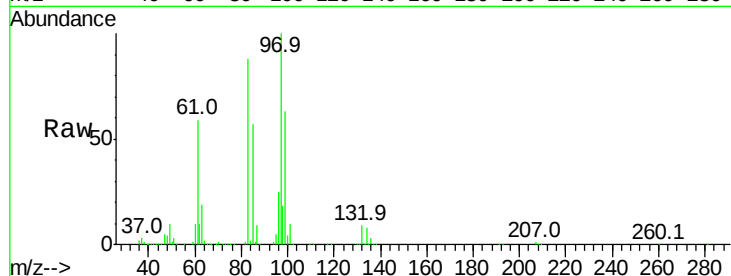




#55
 1,1,2-Trichloroethane
 Concen: 161.426 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

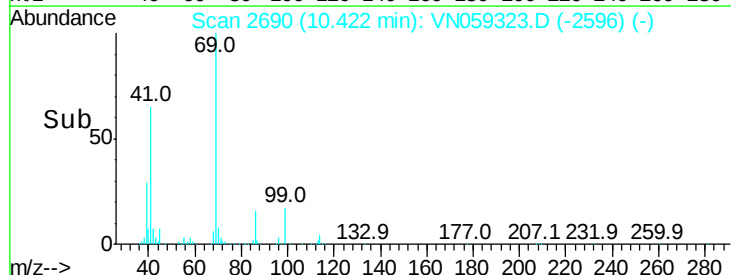
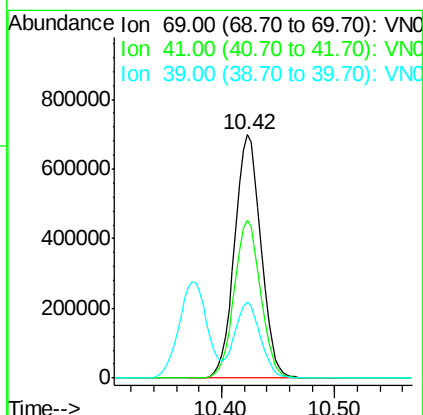
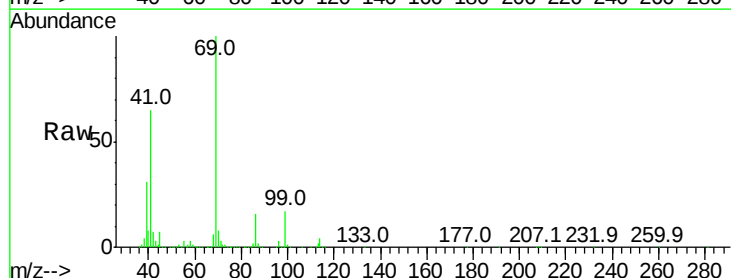
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

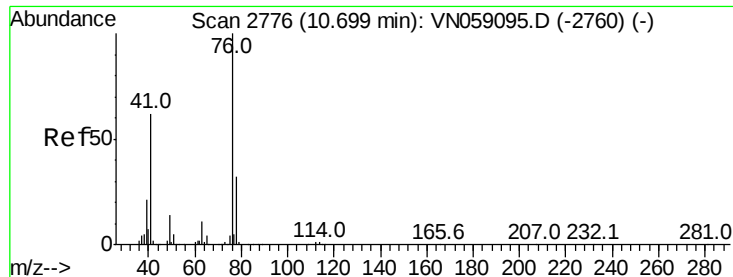
Tgt Ion:	97	Resp:	669837
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.0	106.4
85	56.9	45.8	68.8
99	62.5	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 184.193 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion:	69	Resp:	1134502
Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.6	80.4
39	30.6	26.2	39.4





#57

1,3-Dichloropropane

Concen: 164.745 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

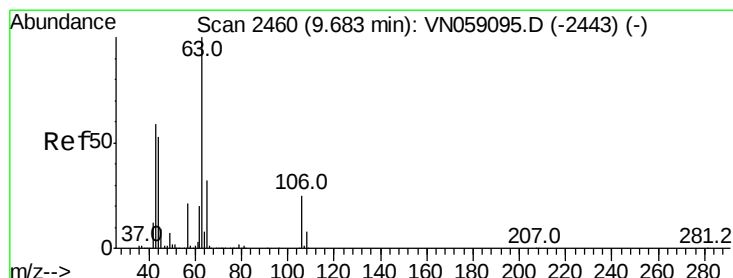
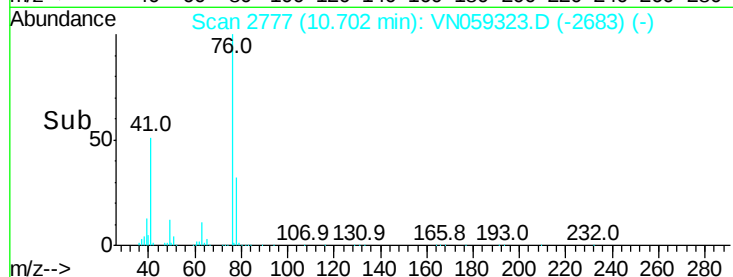
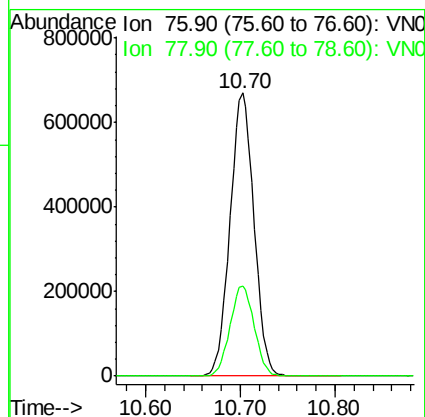
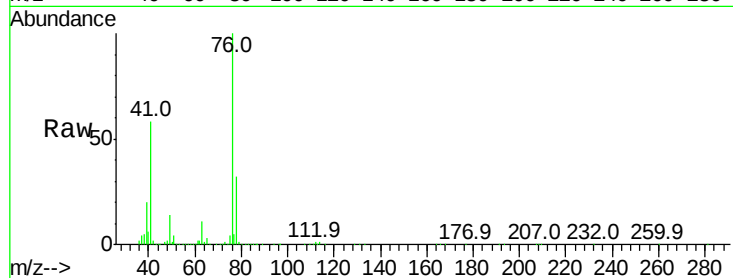
VSTDIC150

Tgt Ion: 76 Resp: 1176563

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 964.826 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059323.D

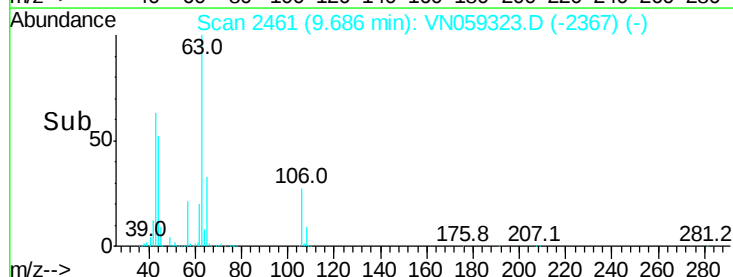
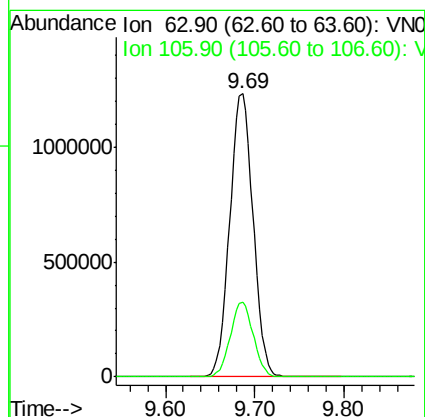
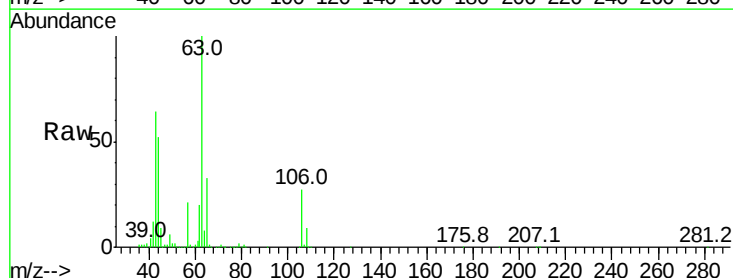
Acq: 20 Nov 2019 13:13

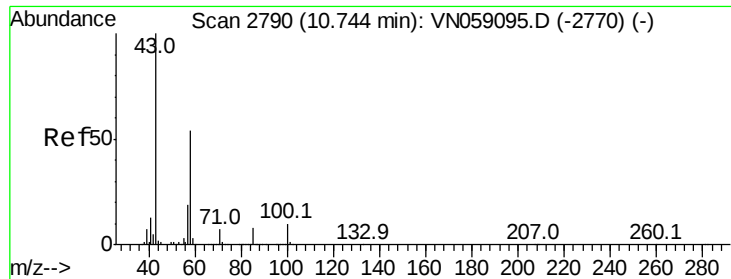
Tgt Ion: 63 Resp: 2228076

Ion Ratio Lower Upper

63 100

106 26.1 20.2 30.2

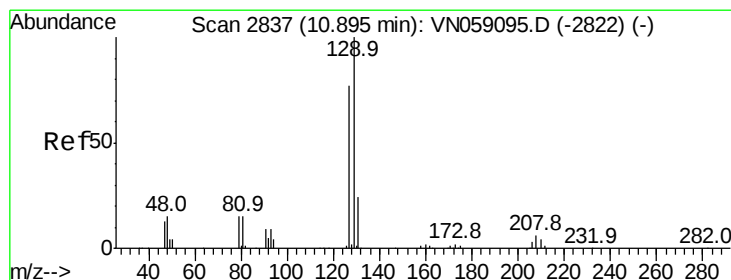
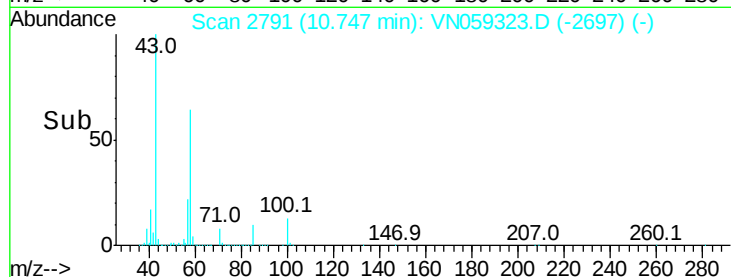
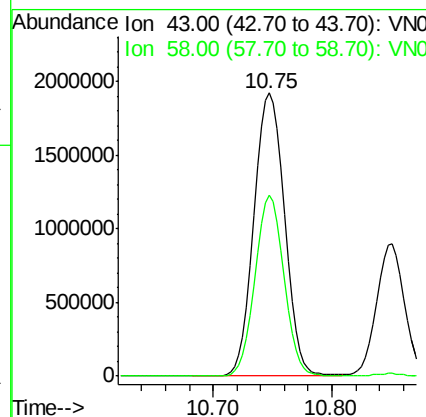
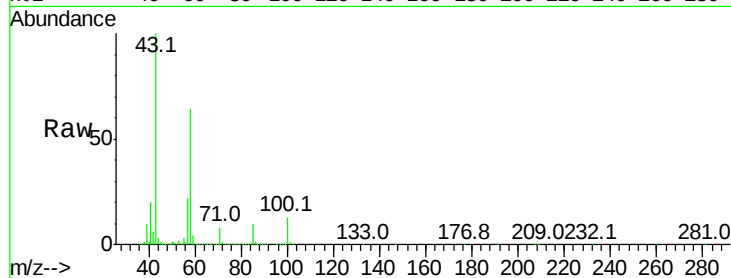




#59
2-Hexanone
Concen: 785.331 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

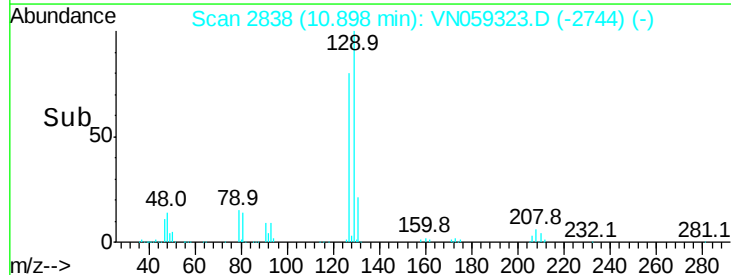
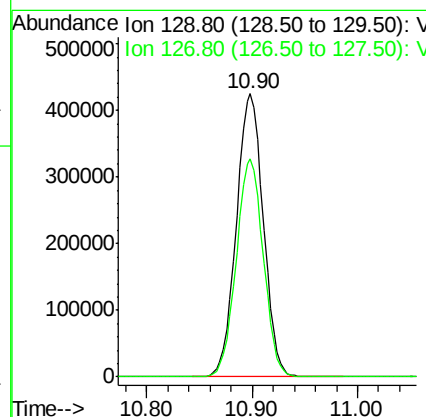
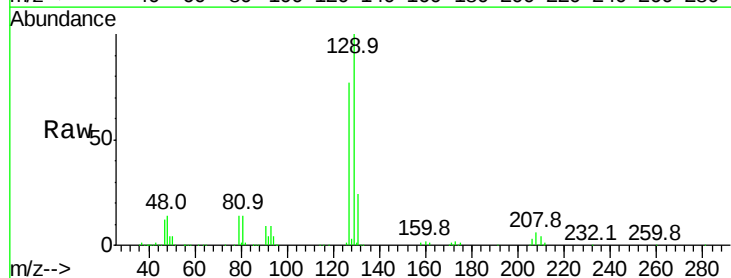
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

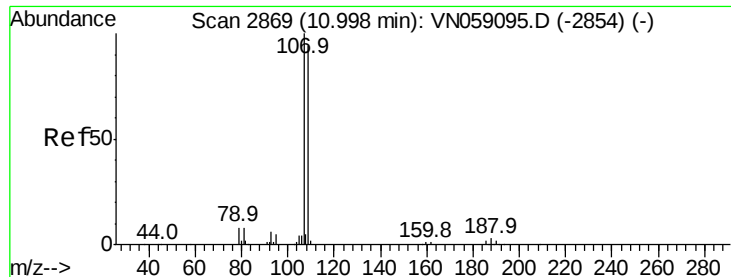
Tgt Ion: 43 Resp: 3436220
Ion Ratio Lower Upper
43 100
58 60.4 27.3 81.8



#60
Dibromochloromethane
Concen: 171.379 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 129 Resp: 751880
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 169.776 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

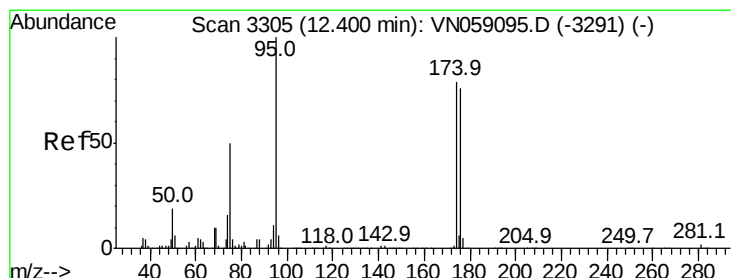
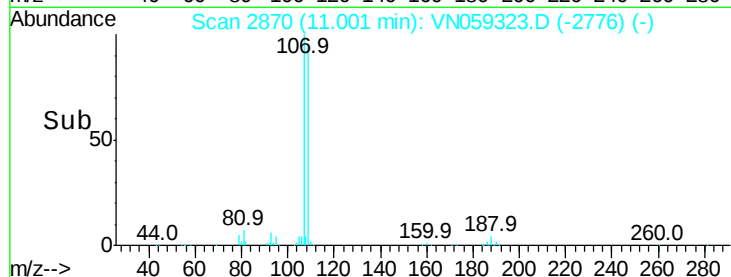
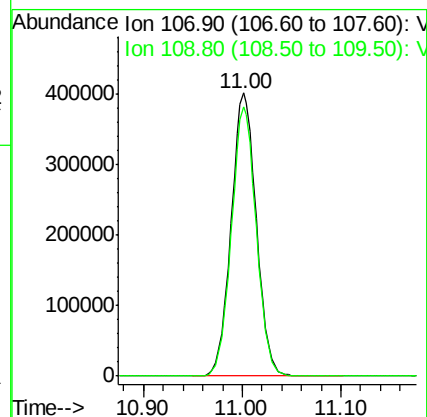
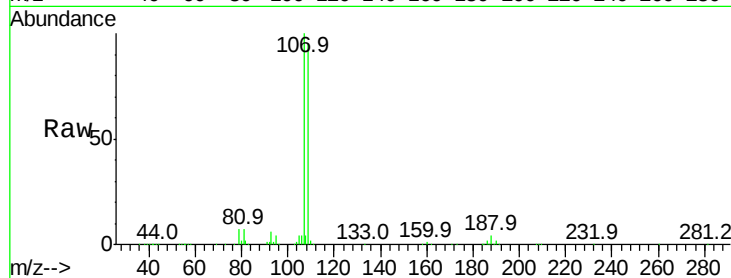
VSTDIC150

Tgt Ion: 107 Resp: 713163

Ion Ratio Lower Upper

107 100

109 94.3 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 170.000 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

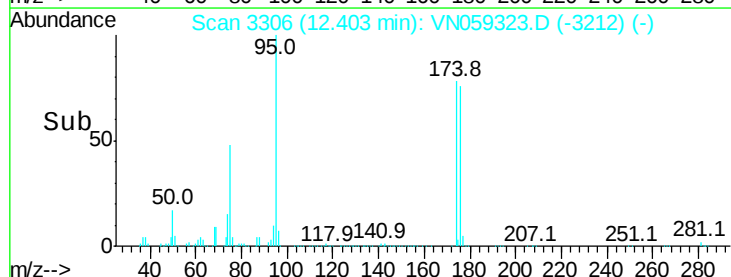
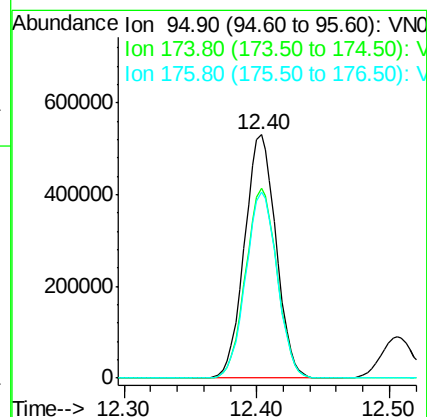
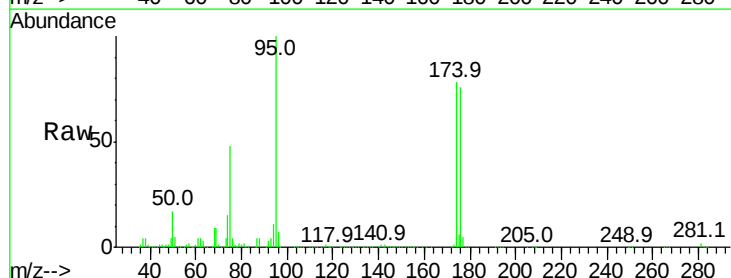
Tgt Ion: 95 Resp: 876133

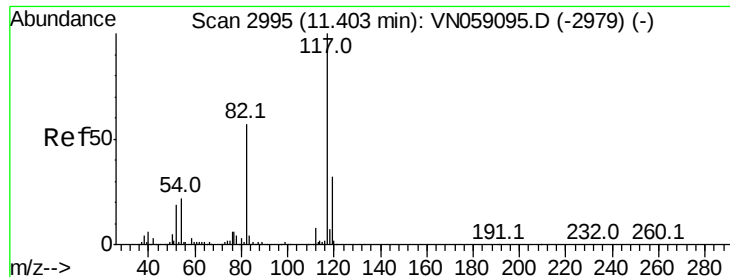
Ion Ratio Lower Upper

95 100

174 77.9 0.0 158.2

176 76.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

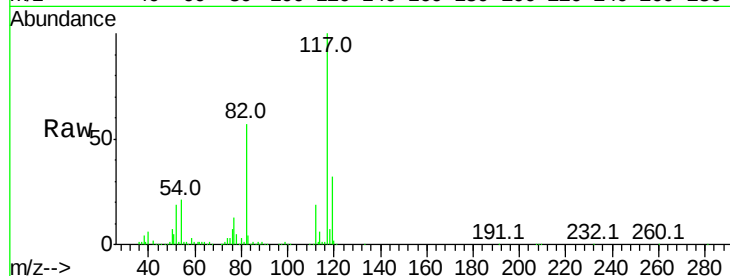
Tgt Ion:117 Resp: 551334

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.8

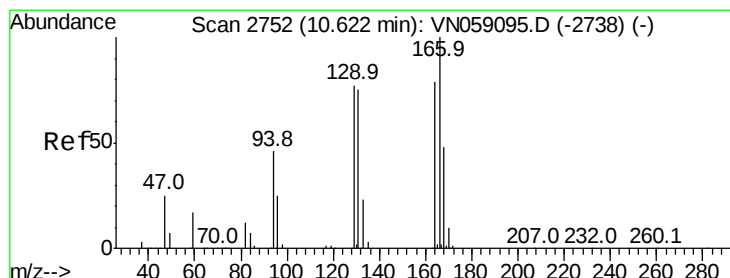
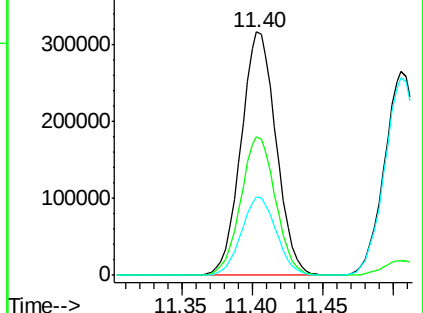
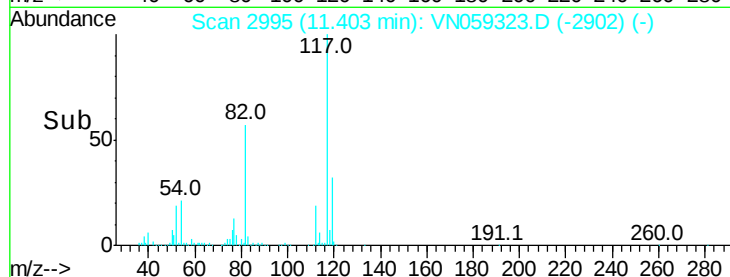
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 163.789 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion:164 Resp: 614043

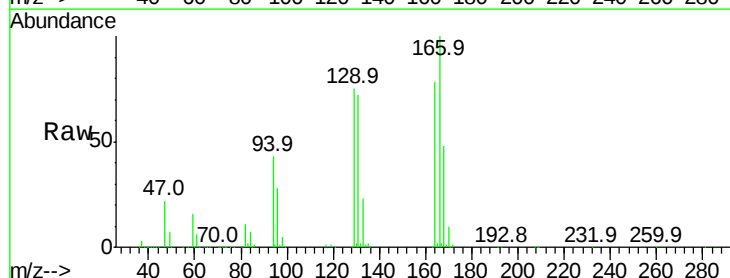
Ion Ratio Lower Upper

164 100

166 128.7 101.5 152.3

129 96.4 78.3 117.5

131 92.9 75.9 113.9

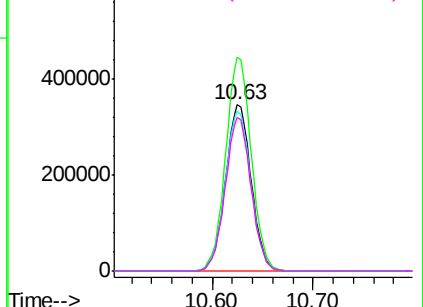
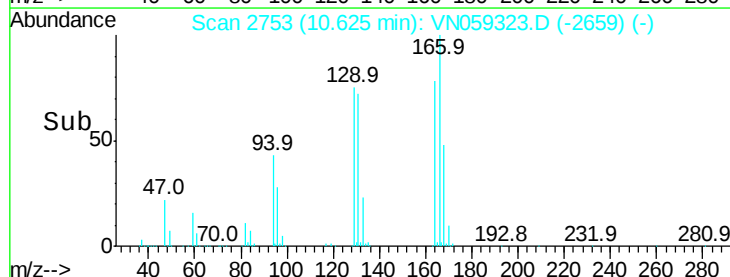


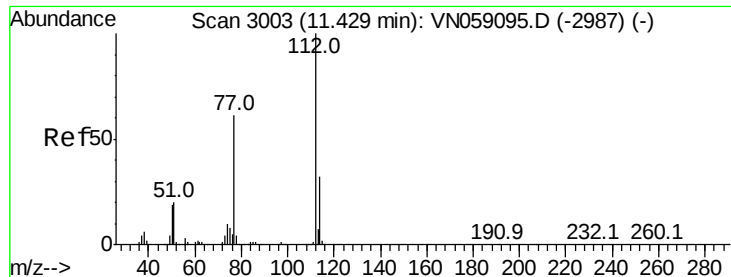
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 166.849 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

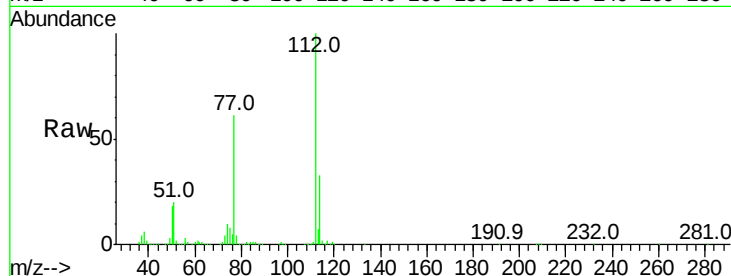
VSTDIC150

Tgt Ion:112 Resp: 1793236

Ion Ratio Lower Upper

112 100

114 32.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

1200000

1000000

800000

600000

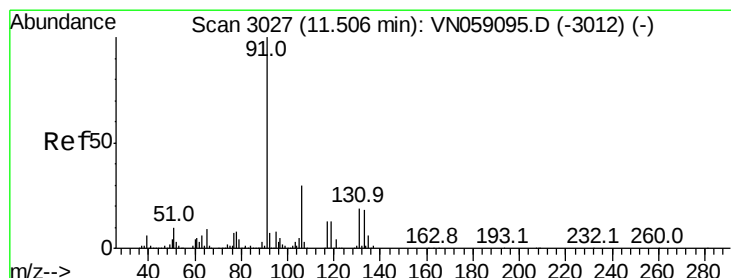
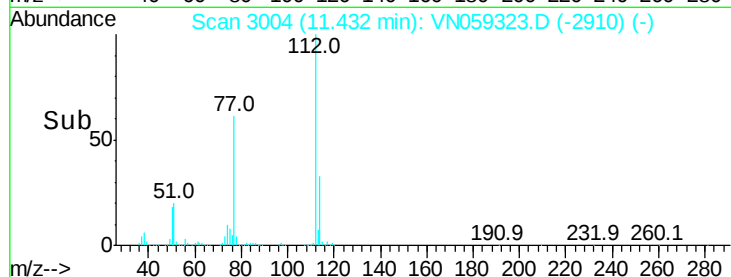
400000

200000

0

11.43

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 165.570 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

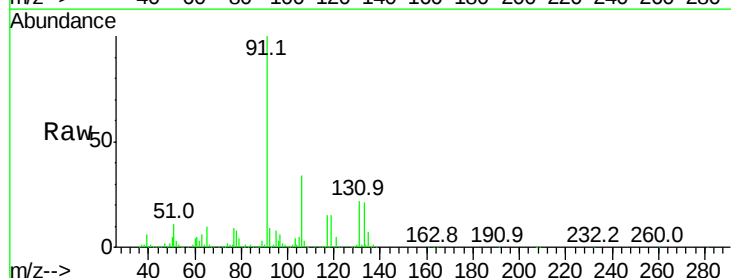
Tgt Ion:131 Resp: 667528

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.3

119 67.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

300000

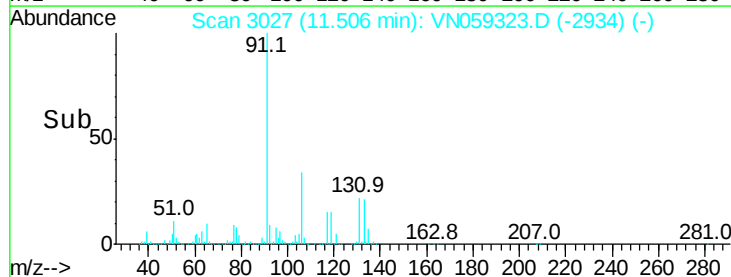
200000

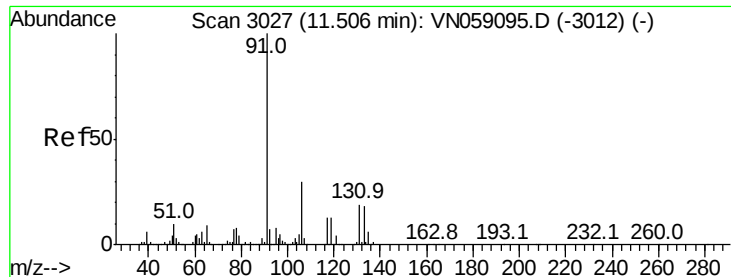
100000

0

11.51

Time--> 11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 163.827 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

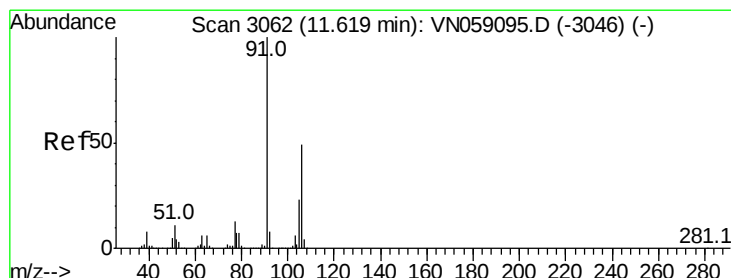
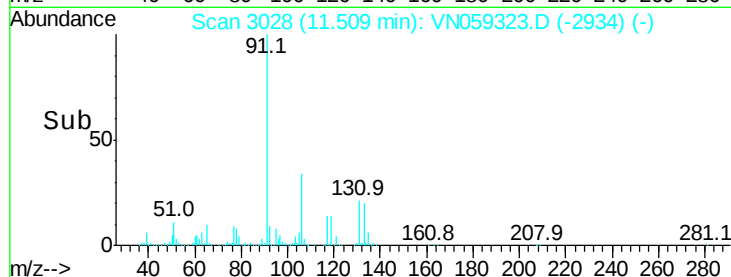
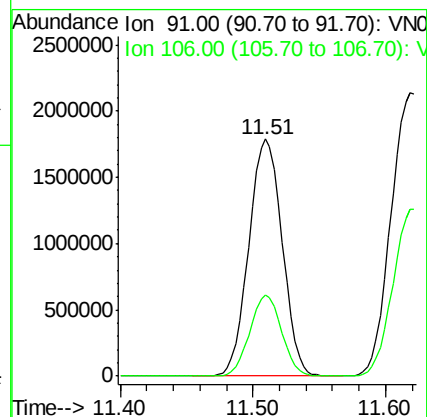
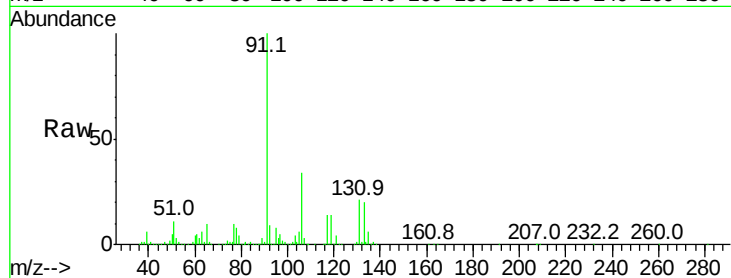
VSTDIC150

Tgt Ion: 91 Resp: 3123976

Ion Ratio Lower Upper

91 100

106 34.4 24.1 36.1



#68

m/p-Xylenes

Concen: 344.038 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059323.D

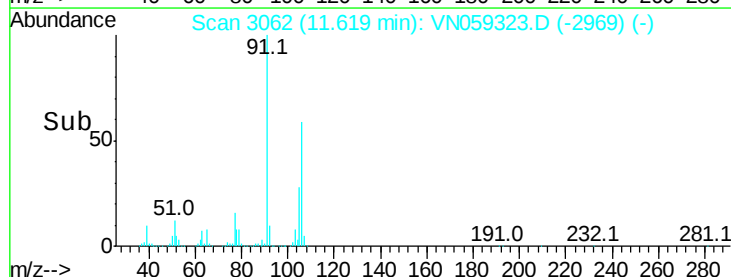
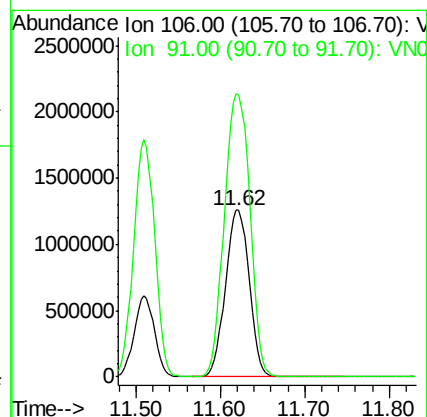
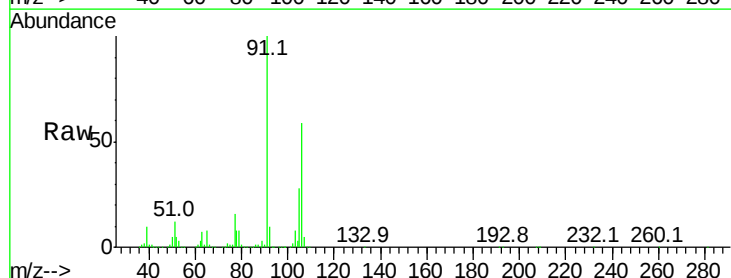
Acq: 20 Nov 2019 13:13

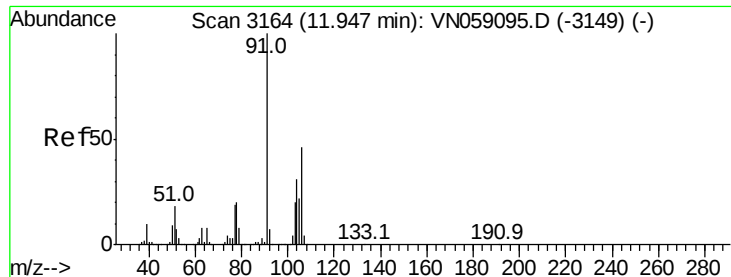
Tgt Ion: 106 Resp: 2457439

Ion Ratio Lower Upper

106 100

91 183.4 164.7 247.1

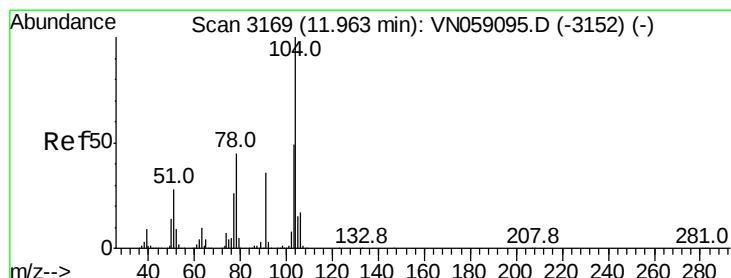
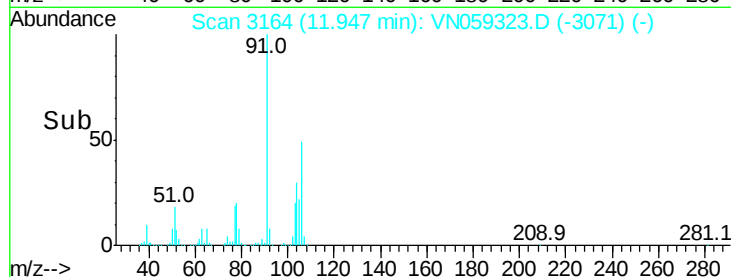
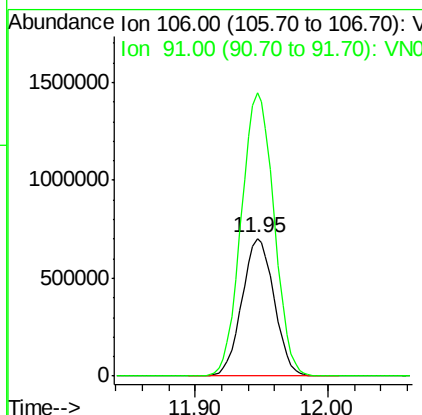
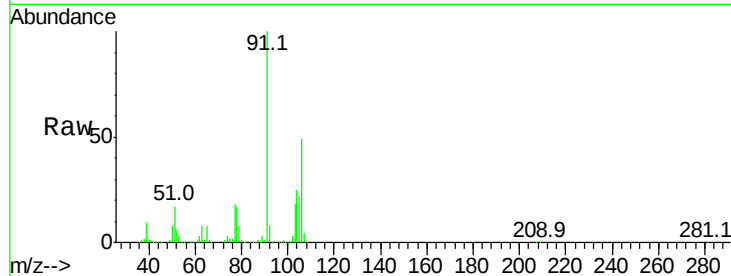




#69
o-Xylene
Concen: 171.276 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

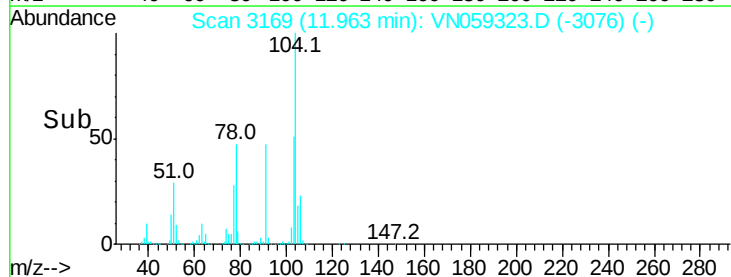
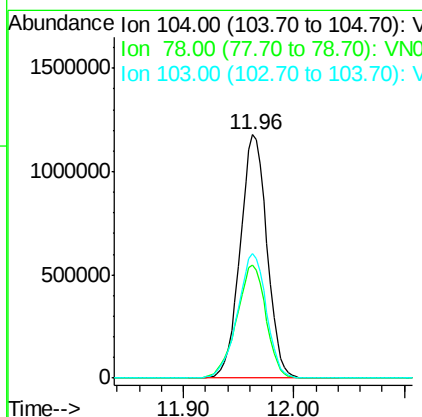
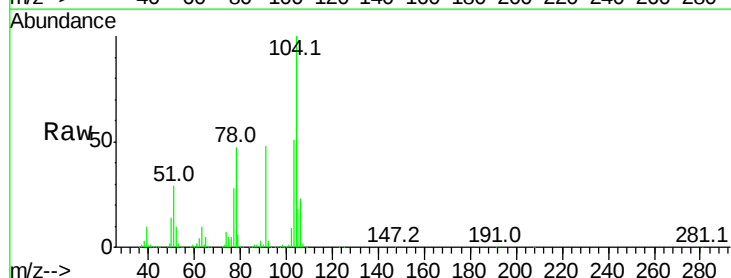
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

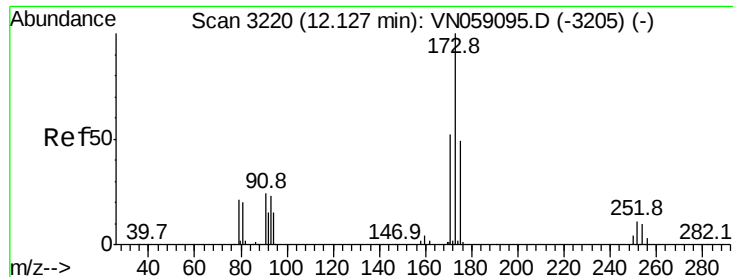
Tgt Ion:106 Resp: 1182310
Ion Ratio Lower Upper
106 100
91 209.7 110.1 330.3



#70
Styrene
Concen: 182.150 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion:104 Resp: 1977505
Ion Ratio Lower Upper
104 100
78 50.9 41.2 61.8
103 55.3 43.8 65.6





#71

Bromoform

Concen: 175.136 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

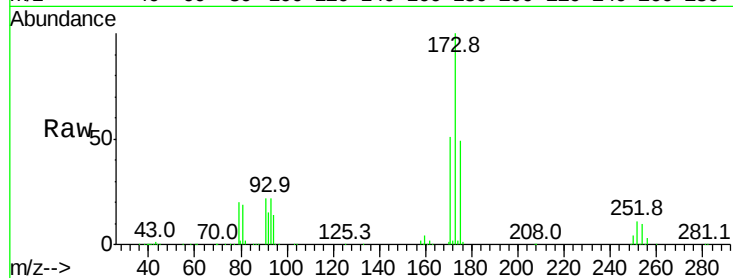
Tgt Ion:173 Resp: 549228

Ion Ratio Lower Upper

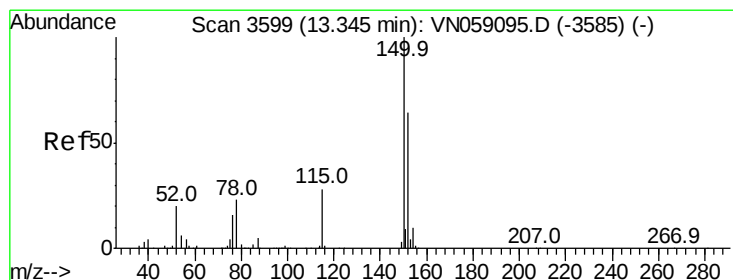
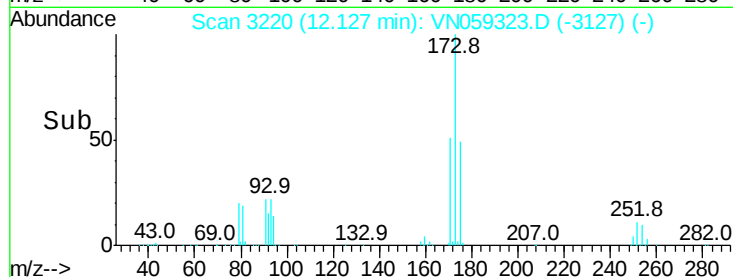
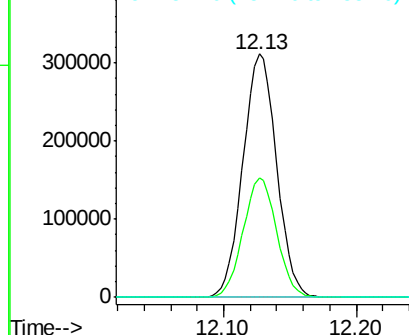
173 100

175 48.8 24.2 72.6

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# 3599

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

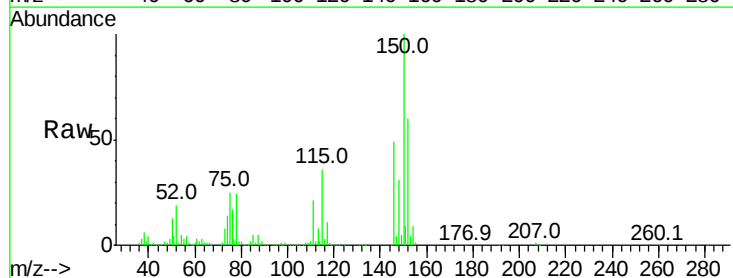
Tgt Ion:152 Resp: 266895

Ion Ratio Lower Upper

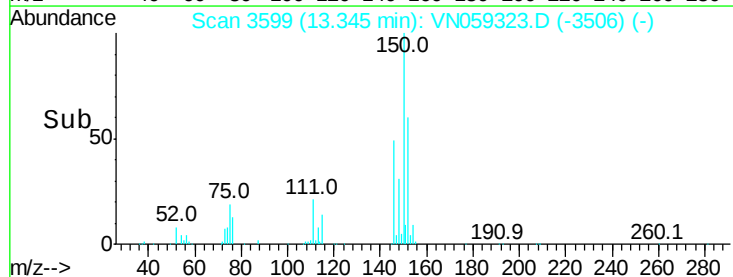
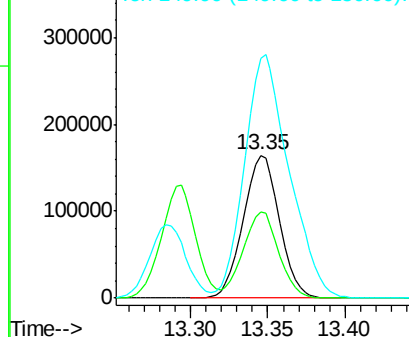
152 100

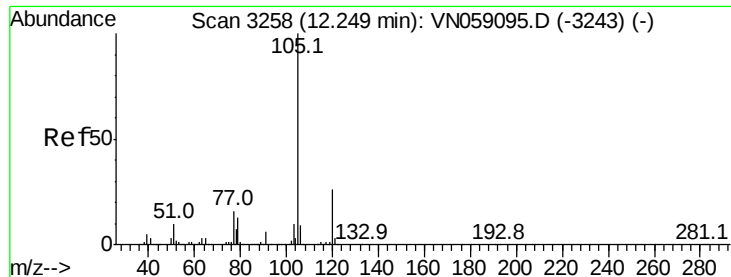
115 59.4 29.4 88.2

150 210.2 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 155.574 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

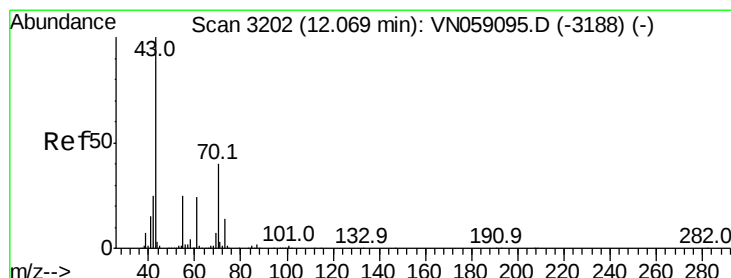
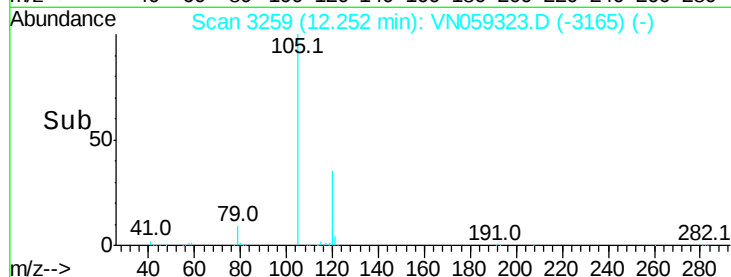
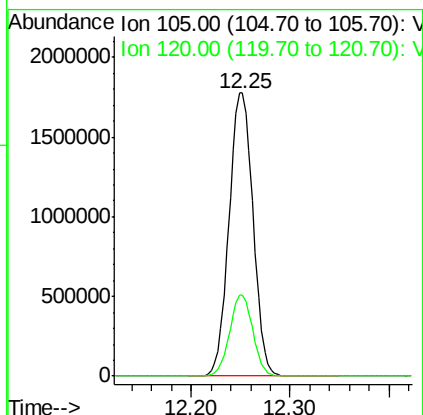
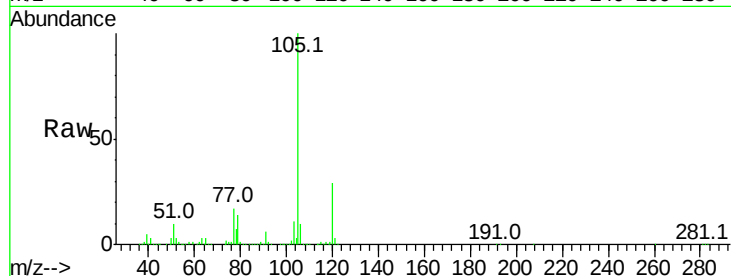
VSTDIC150

Tgt Ion:105 Resp: 3020320

Ion Ratio Lower Upper

105 100

120 27.7 13.1 39.3



#74

N-ethyl acetate

Concen: 172.055 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion: 43 Resp: 1415402

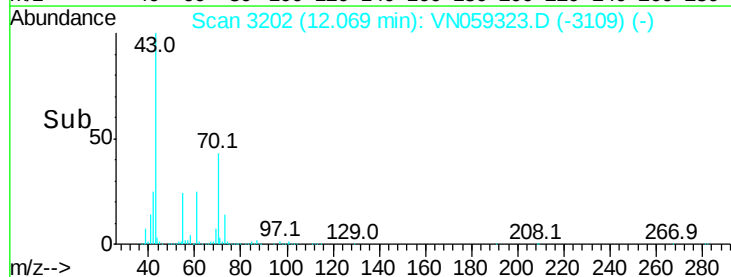
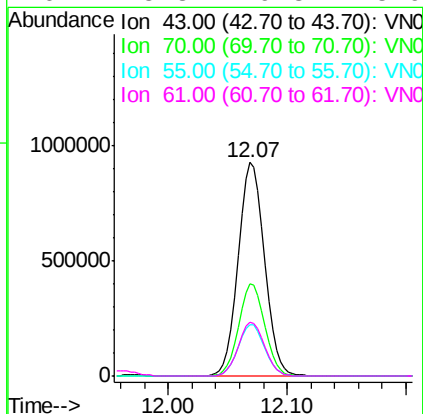
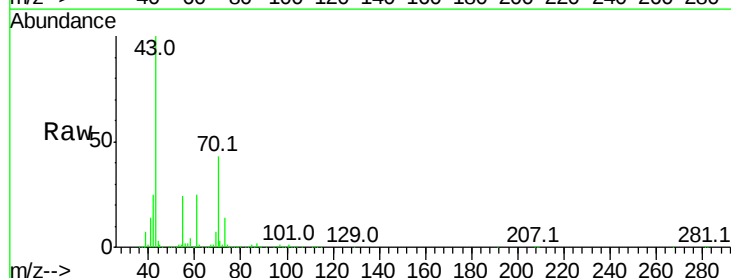
Ion Ratio Lower Upper

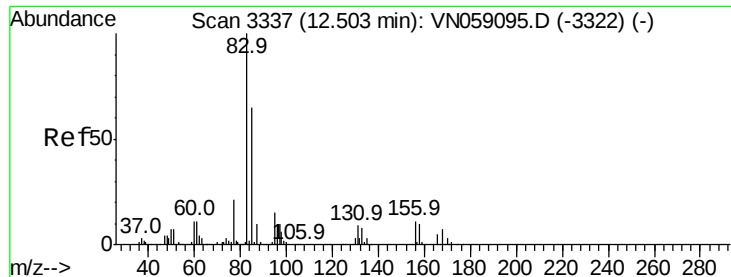
43 100

70 42.7 32.2 48.4

55 24.4 20.4 30.6

61 25.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 155.031 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

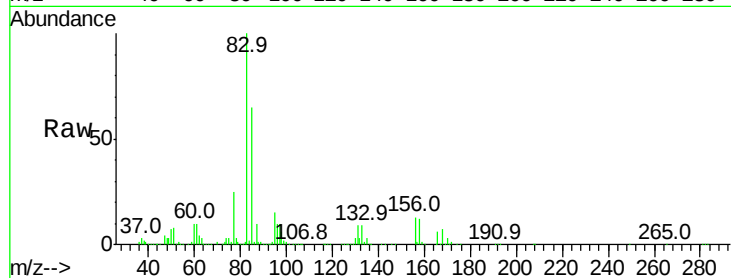
Tgt Ion: 83 Resp: 1024969

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 64.4 32.4 97.2

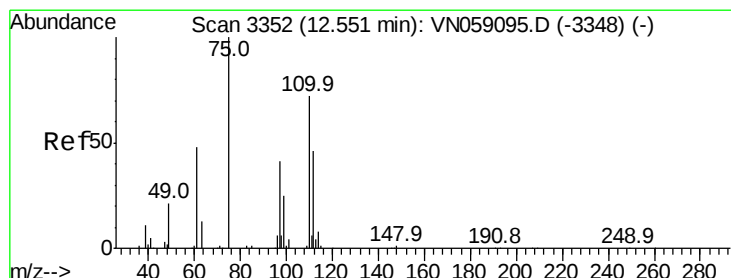
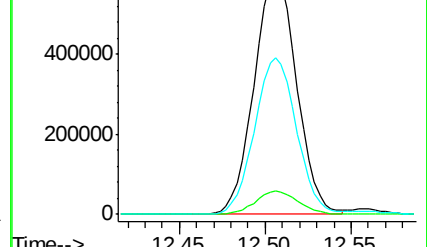
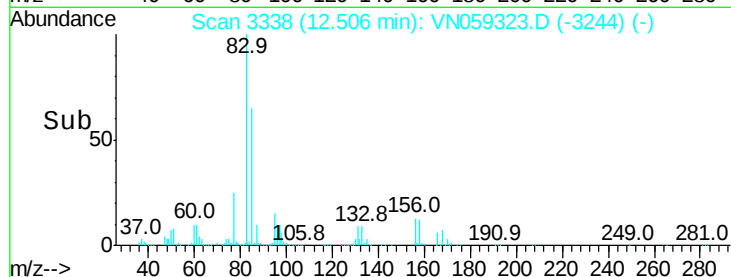


Abundance Ion 82.90 (82.60 to 83.60): VN059323.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059323.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059323.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 228.787 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059323.D

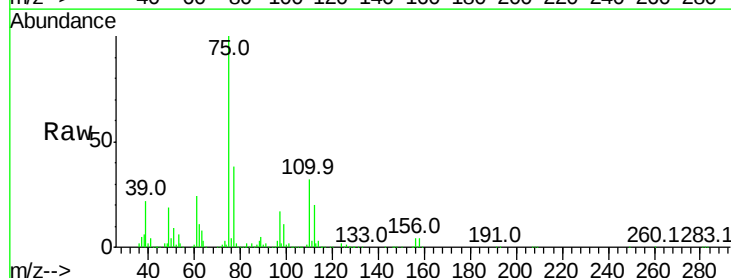
Acq: 20 Nov 2019 13:13

Tgt Ion: 75 Resp: 1390180

Ion Ratio Lower Upper

75 100

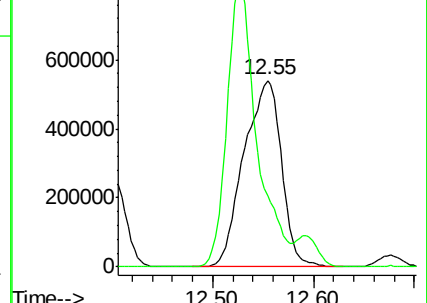
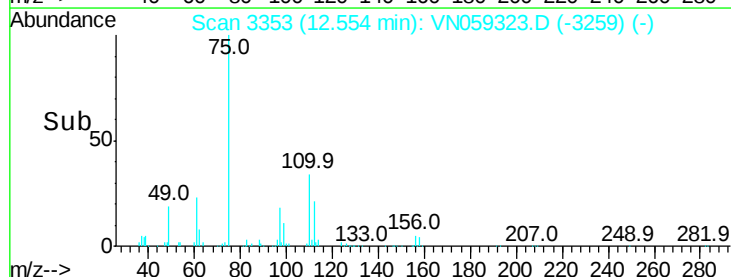
77 0.0 0.0 0.0

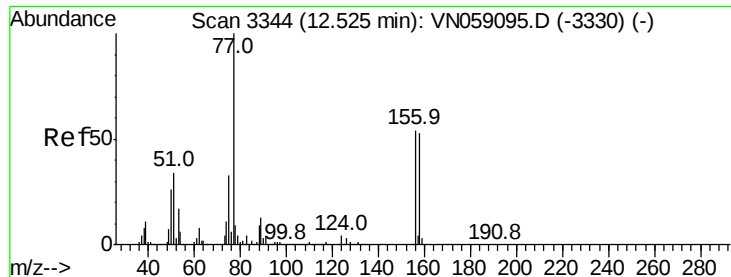


Abundance Ion 74.90 (74.60 to 75.60): VN059323.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059323.D (-3259) (-)

Time-->





#77

Bromobenzene

Concen: 155.668 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

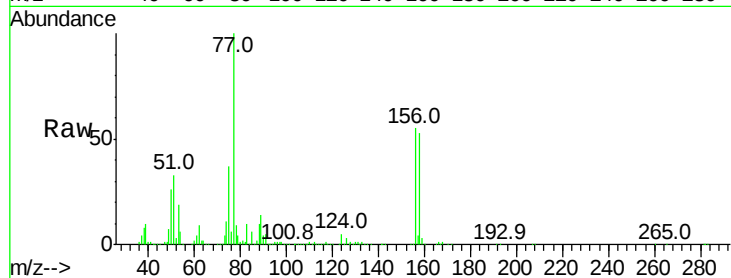
Tgt Ion:156 Resp: 759289

Ion Ratio Lower Upper

156 100

77 223.1 112.8 338.3

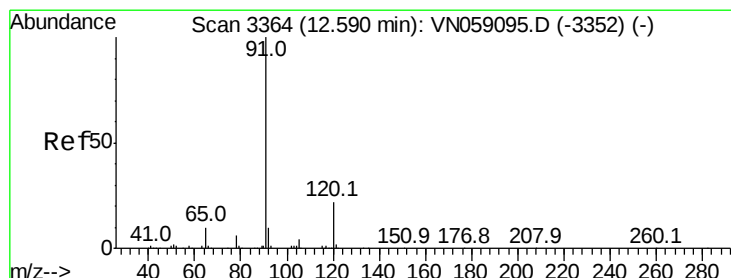
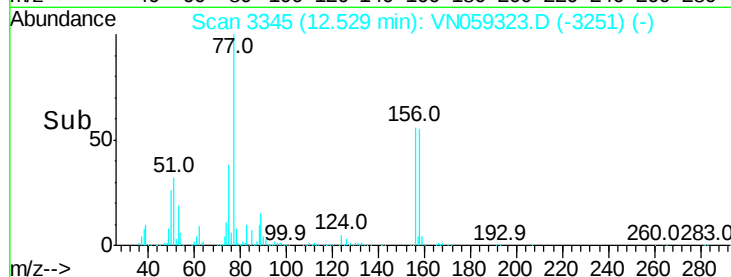
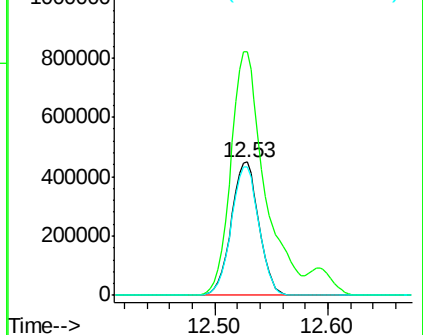
158 97.3 48.4 145.3



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: 155.116 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059323.D

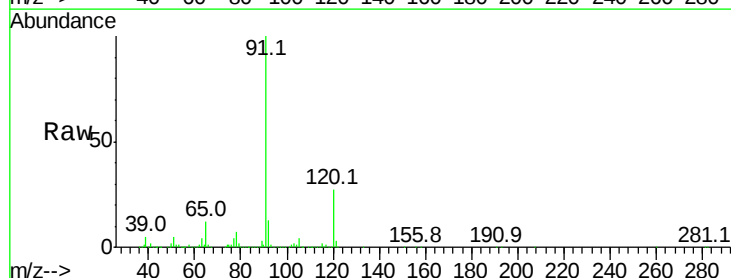
Acq: 20 Nov 2019 13:13

Tgt Ion: 91 Resp: 3448075

Ion Ratio Lower Upper

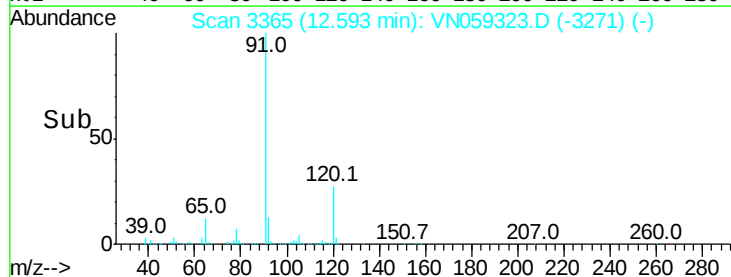
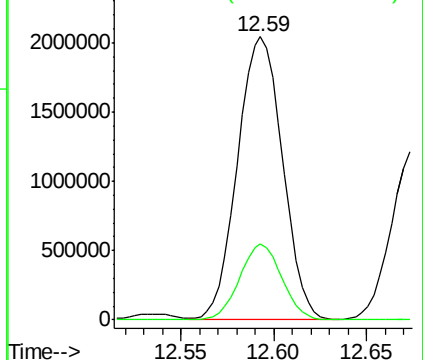
91 100

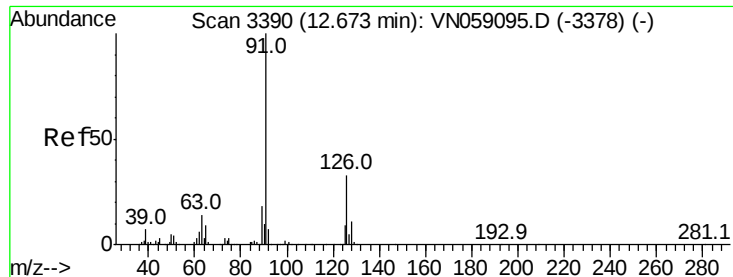
120 25.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 155.904 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

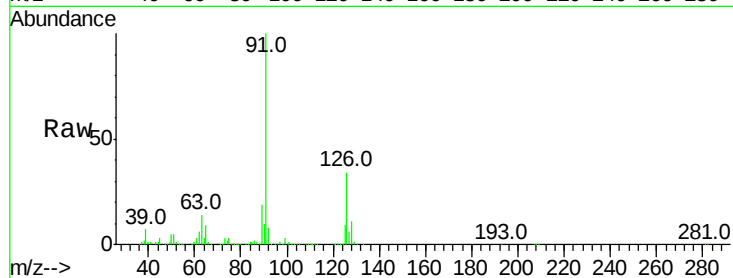
VSTDIC150

Tgt Ion: 91 Resp: 2149894

Ion Ratio Lower Upper

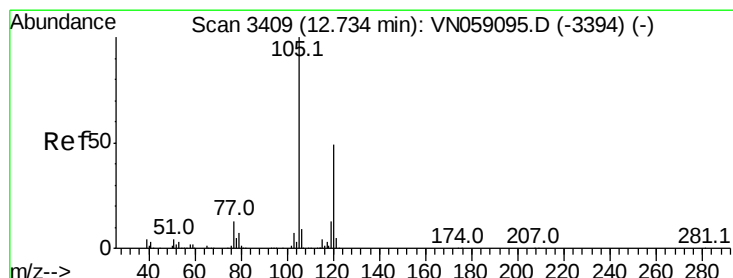
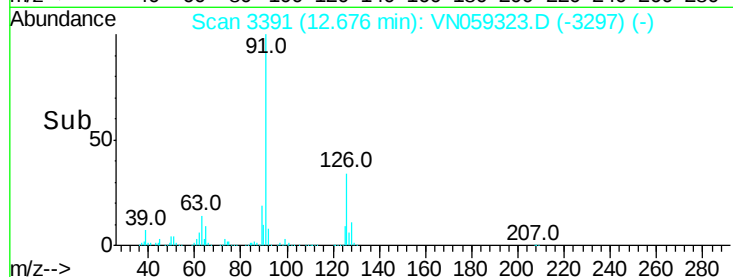
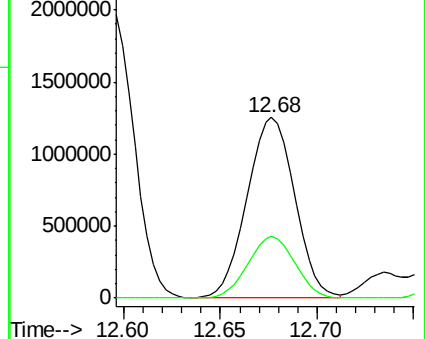
91 100

126 33.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059323.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN059323.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 158.695 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059323.D

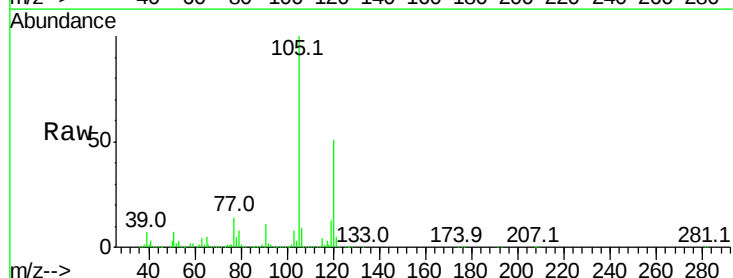
Acq: 20 Nov 2019 13:13

Tgt Ion: 105 Resp: 2610621

Ion Ratio Lower Upper

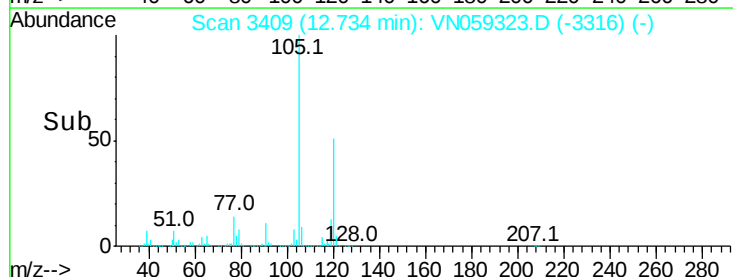
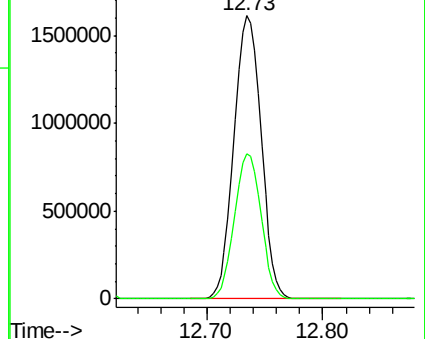
105 100

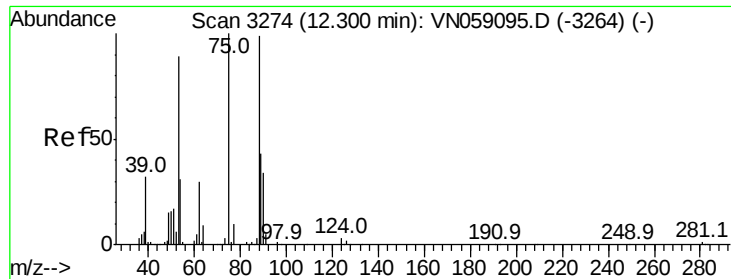
120 50.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059323.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN059323.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 172.845 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

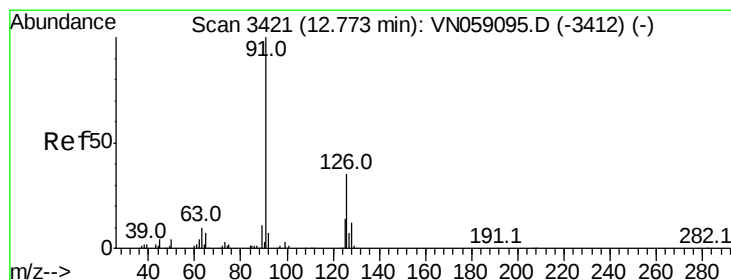
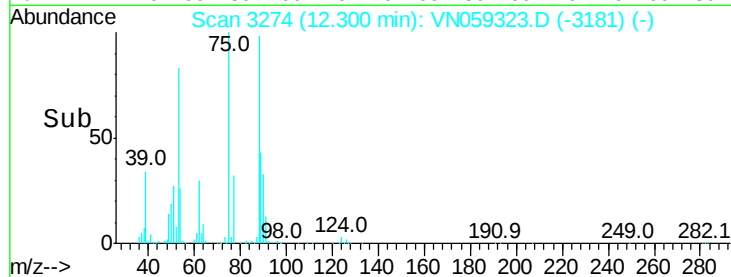
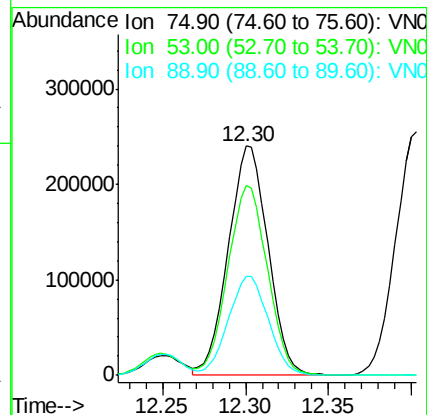
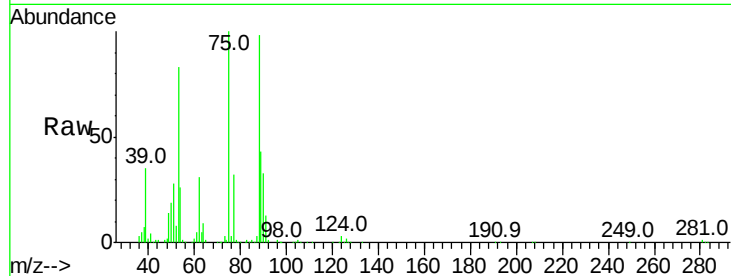
Tgt Ion: 75 Resp: 397632

Ion Ratio Lower Upper

75 100

53 83.4 72.2 108.2

89 43.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 159.731 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059323.D

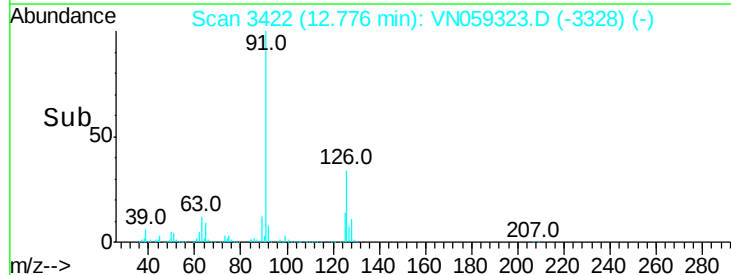
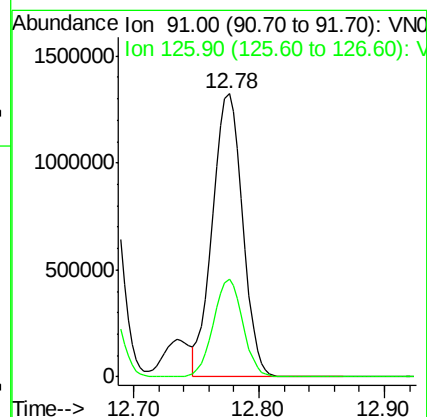
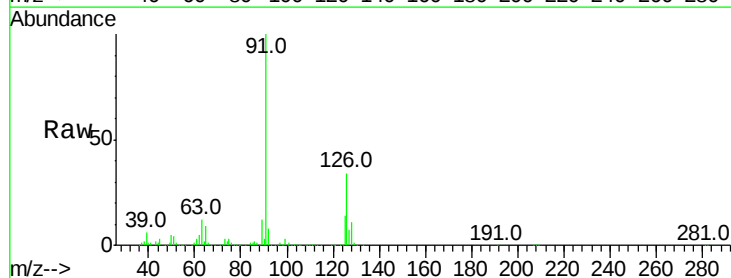
Acq: 20 Nov 2019 13:13

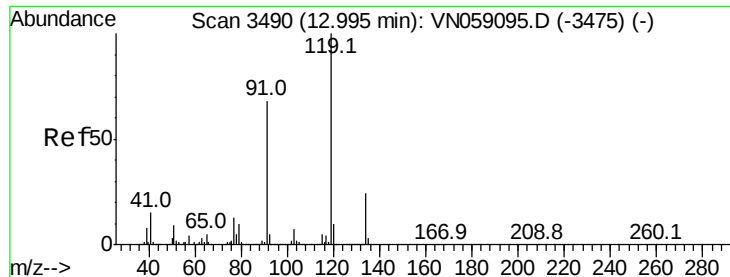
Tgt Ion: 91 Resp: 2209219

Ion Ratio Lower Upper

91 100

126 33.5 16.1 48.2





#83

tert-Butylbenzene

Concen: 158.282 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

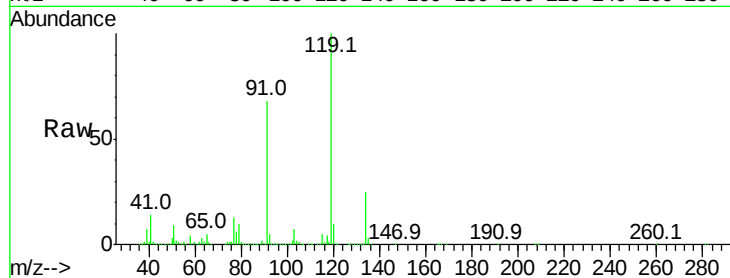
Tgt Ion:119 Resp: 2248606

Ion Ratio Lower Upper

119 100

91 66.3 33.2 99.6

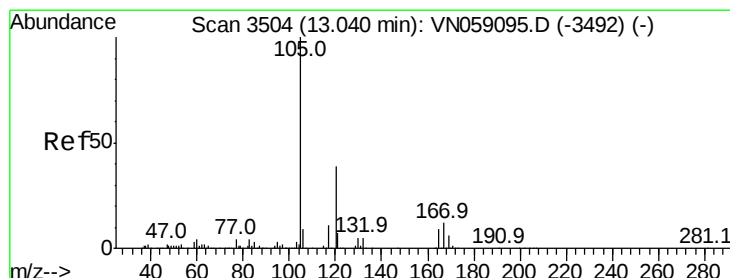
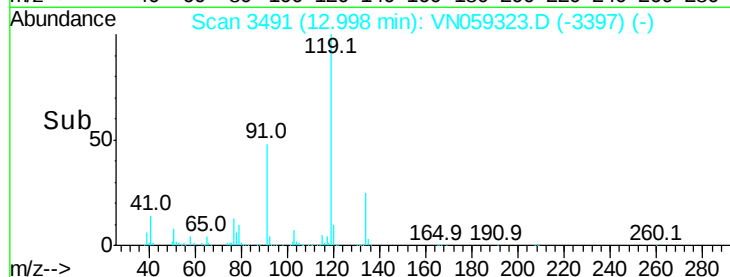
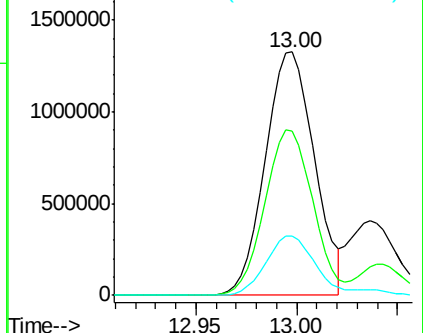
134 24.3 12.7 38.1



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: 163.668 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059323.D

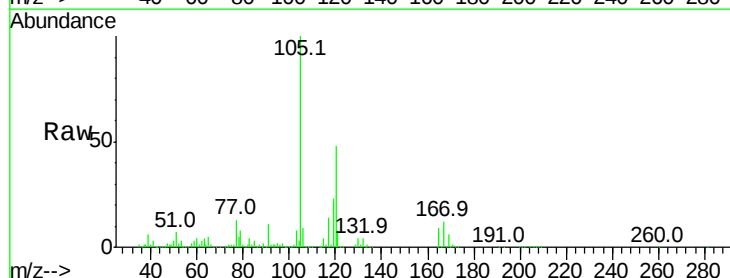
Acq: 20 Nov 2019 13:13

Tgt Ion:105 Resp: 2604900

Ion Ratio Lower Upper

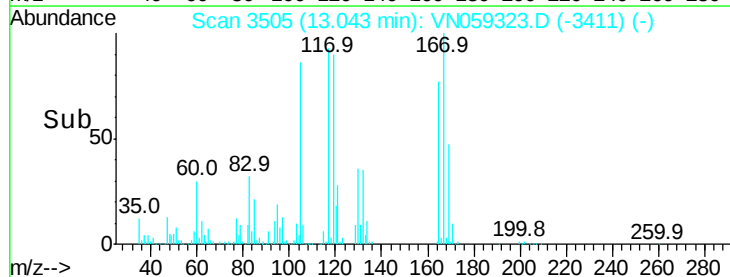
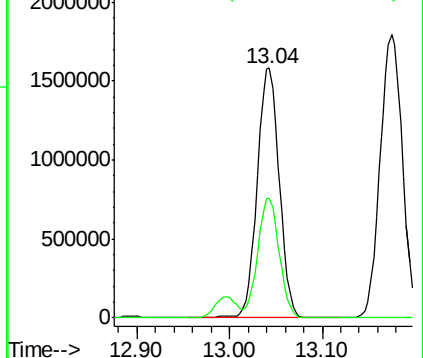
105 100

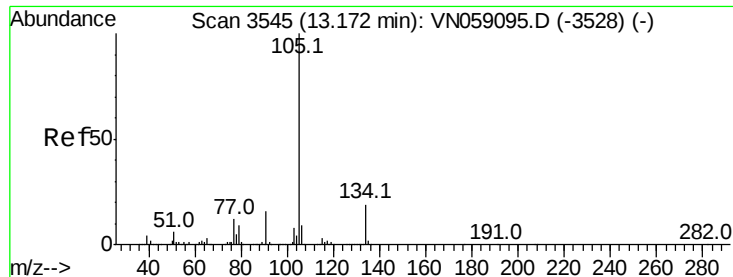
120 46.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

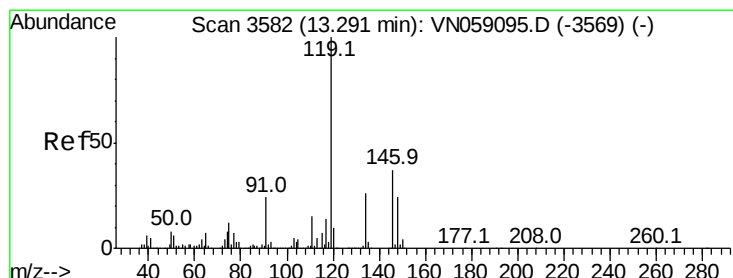
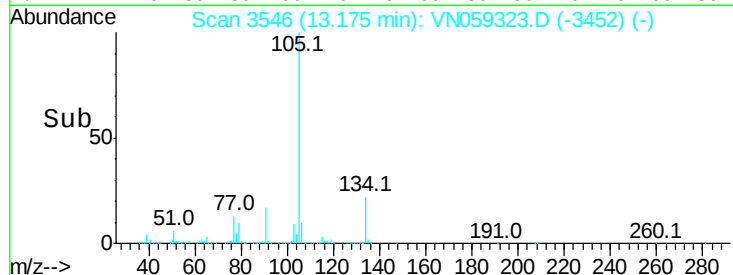
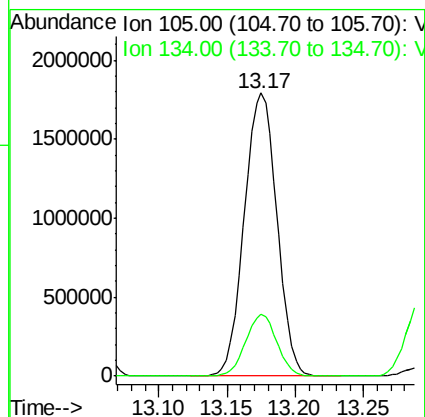
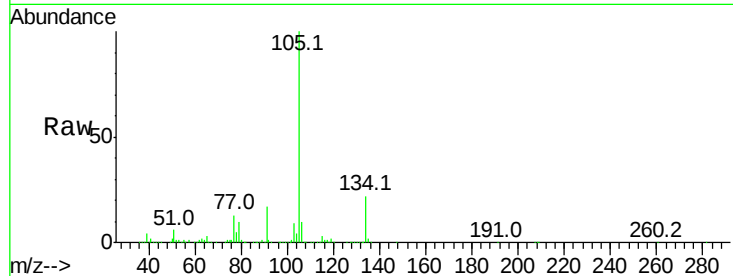




#85
 sec-Butylbenzene
 Concen: 160.713 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

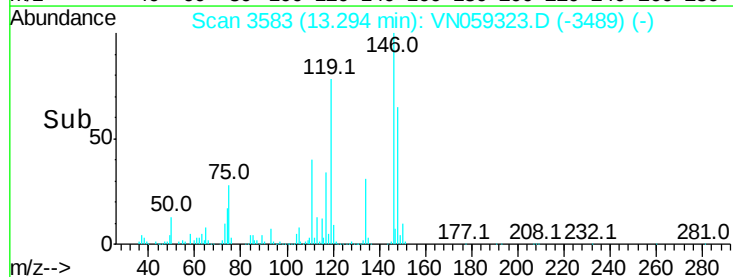
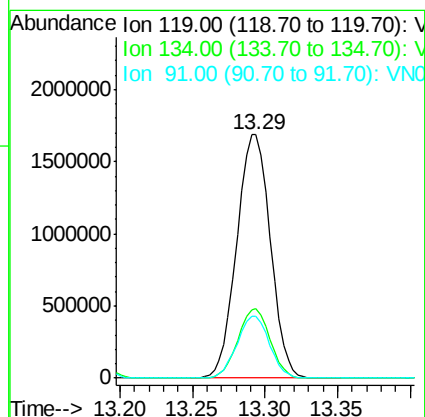
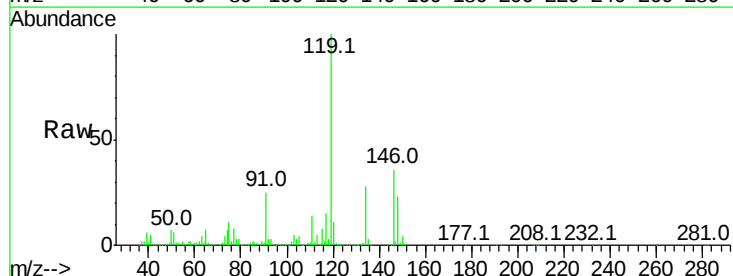
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

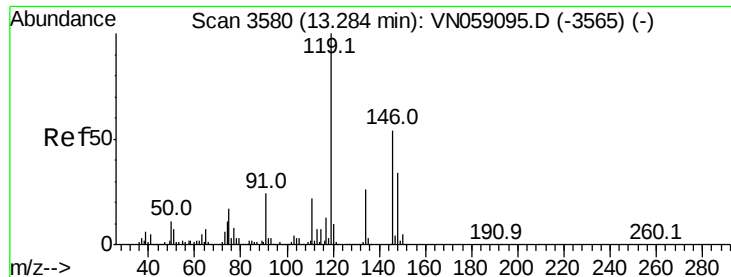
Tgt Ion:105 Resp: 2969325
 Ion Ratio Lower Upper
 105 100
 134 20.9 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 166.357 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion:119 Resp: 2713895
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.0 38.9
 91 24.6 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 164.140 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

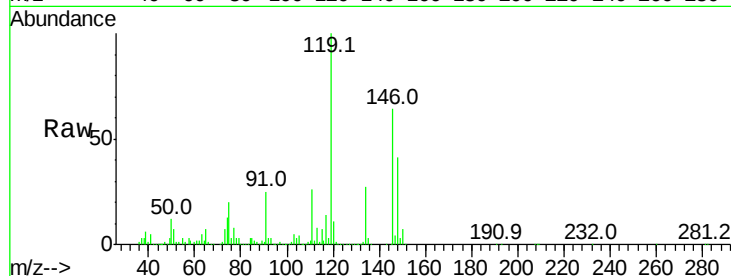
Tgt Ion:146 Resp: 1370980

Ion Ratio Lower Upper

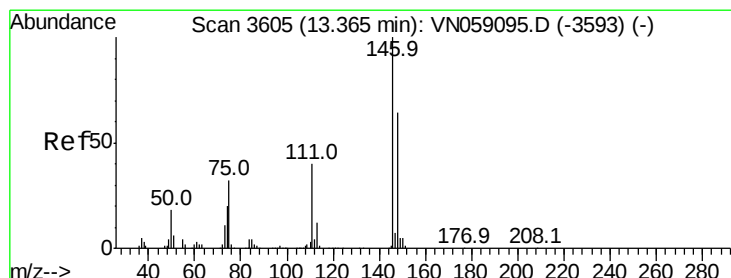
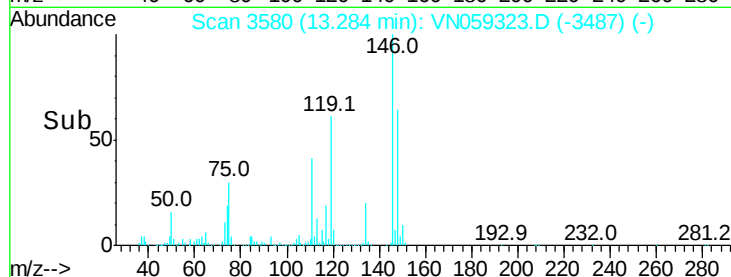
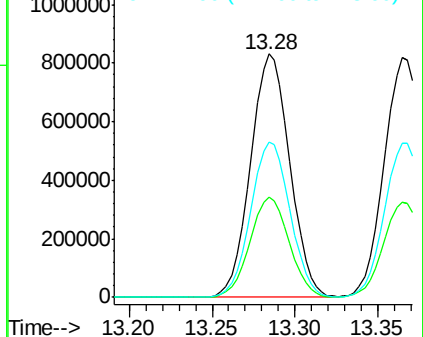
146 100

111 41.1 20.4 61.3

148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 163.644 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

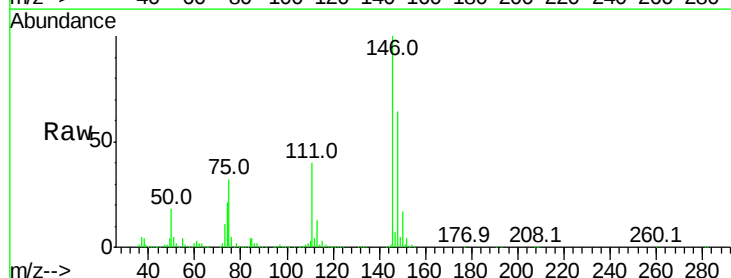
Tgt Ion:146 Resp: 1367562

Ion Ratio Lower Upper

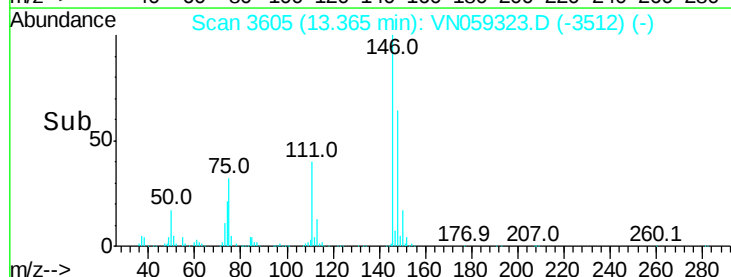
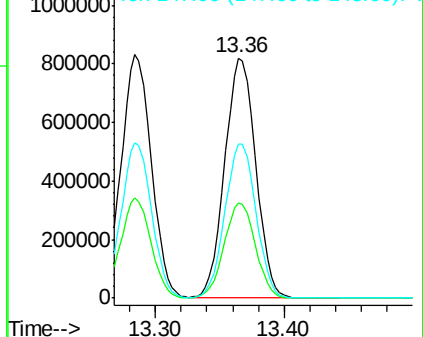
146 100

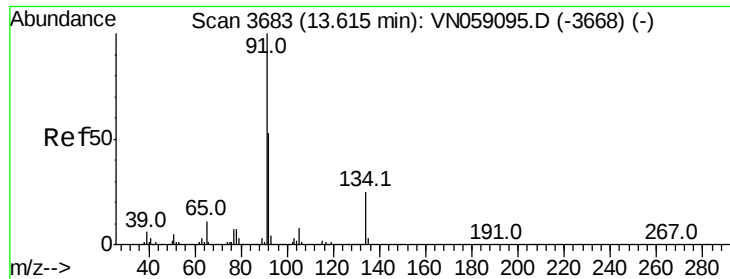
111 39.7 20.3 60.9

148 64.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 176.448 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

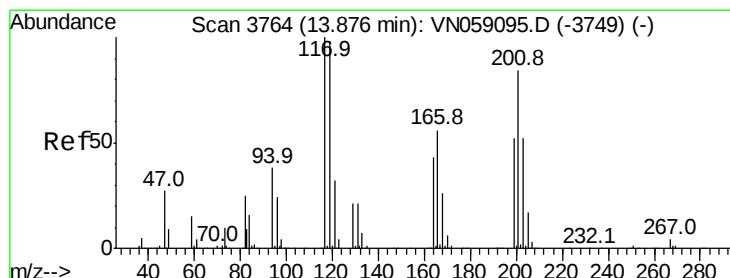
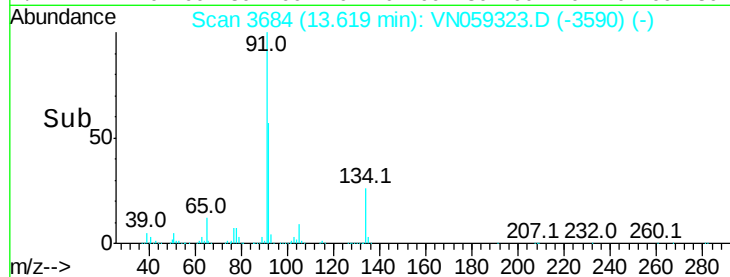
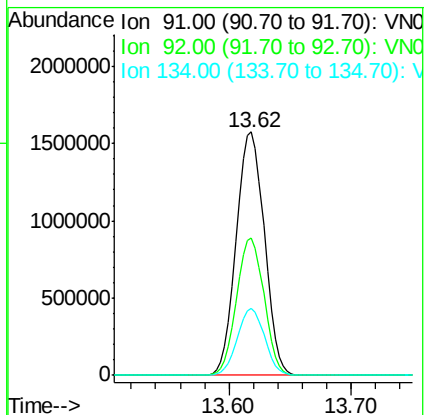
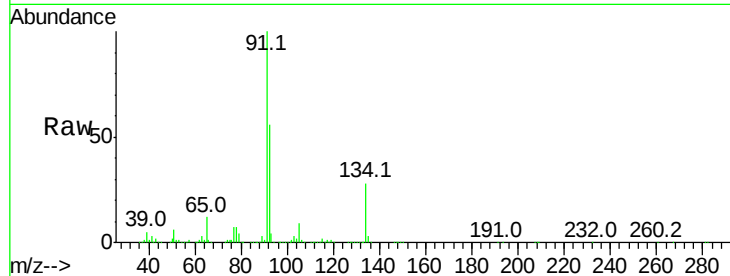
Tgt Ion: 91 Resp: 2519400

Ion Ratio Lower Upper

91 100

92 55.1 26.1 78.3

134 26.6 12.6 37.8



#90

Hexachloroethane

Concen: 158.799 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059323.D

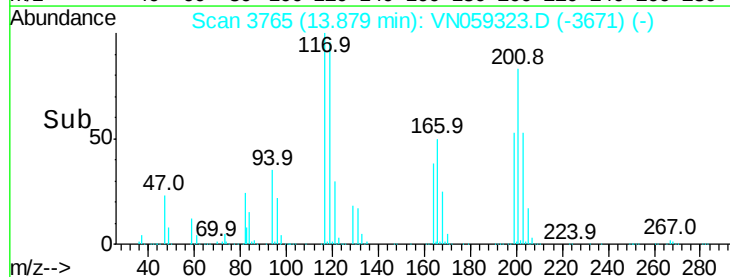
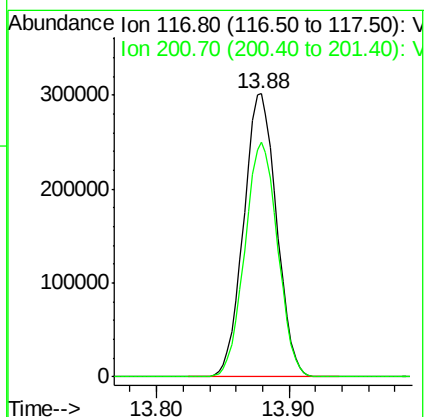
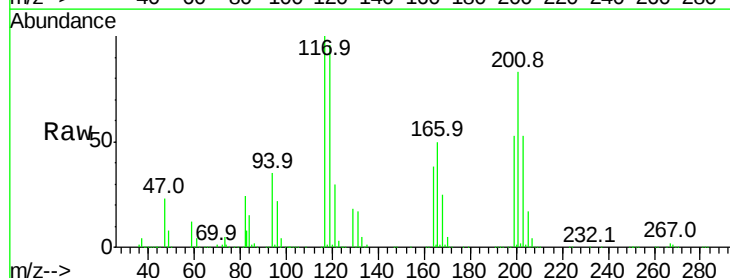
Acq: 20 Nov 2019 13:13

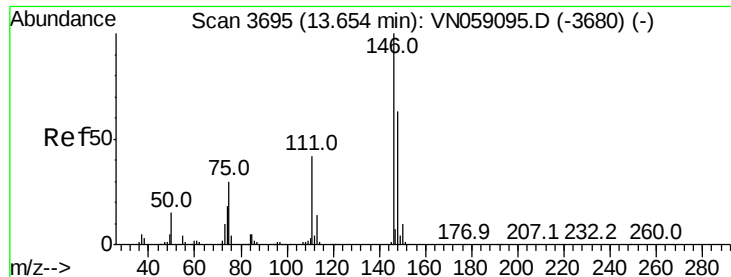
Tgt Ion: 117 Resp: 520199

Ion Ratio Lower Upper

117 100

201 82.6 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 162.249 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

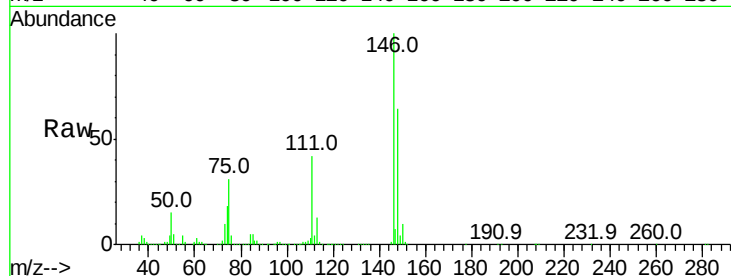
Tgt Ion:146 Resp: 1333106

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

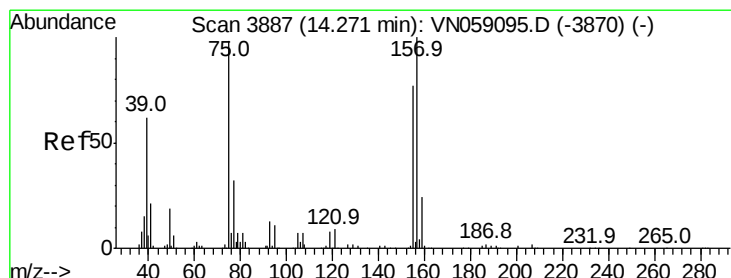
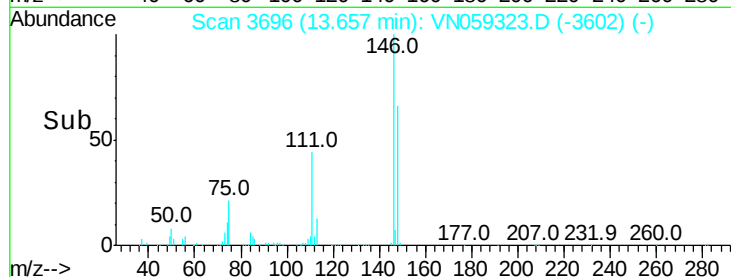
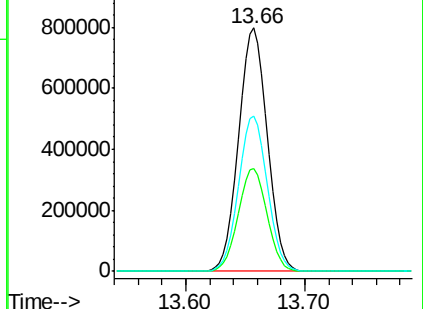
148 64.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 151.518 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

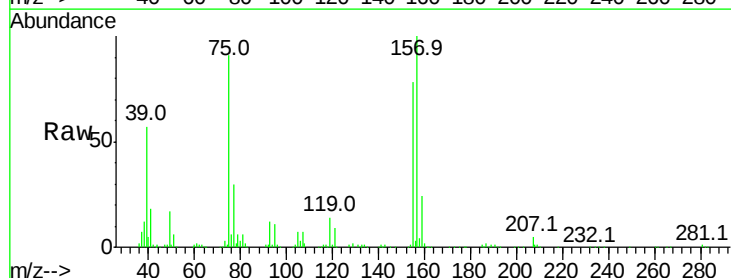
Tgt Ion: 75 Resp: 226090

Ion Ratio Lower Upper

75 100

155 84.2 40.2 120.6

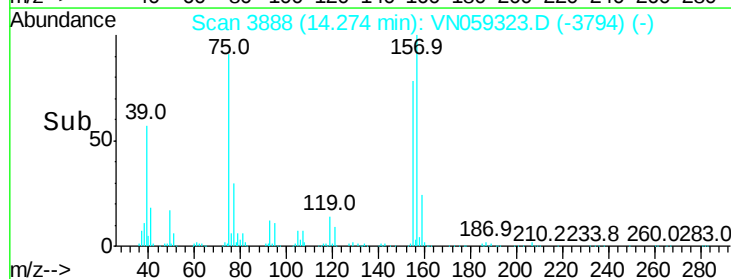
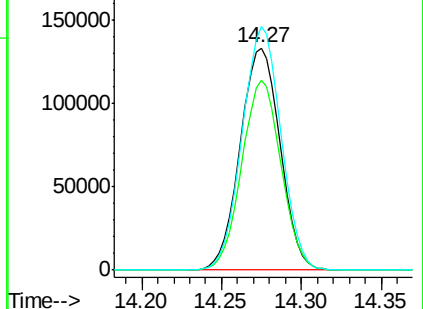
157 107.3 51.8 155.5

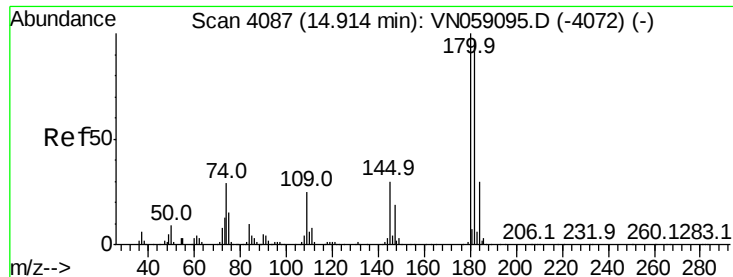


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

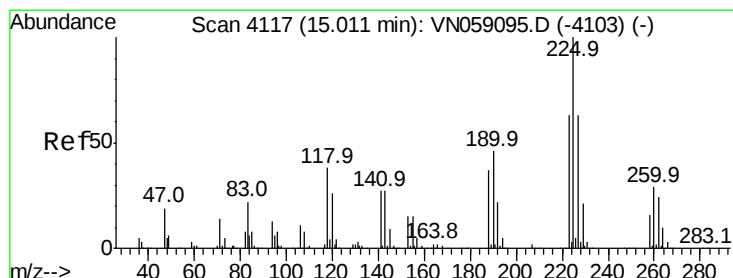
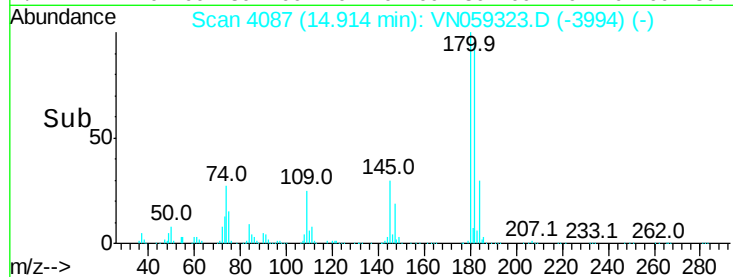
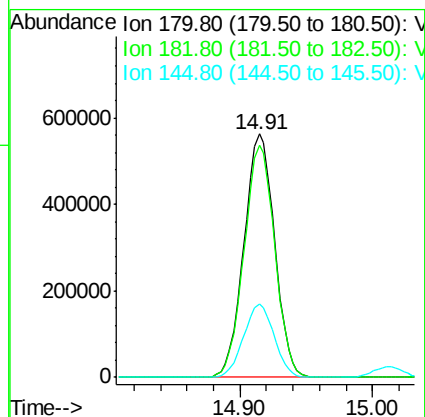
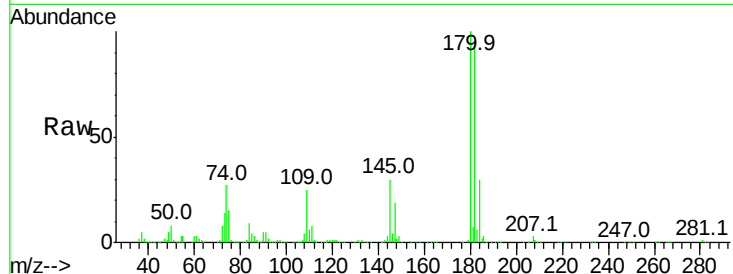




#93
 1,2,4-Trichlorobenzene
 Concen: 205.253 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

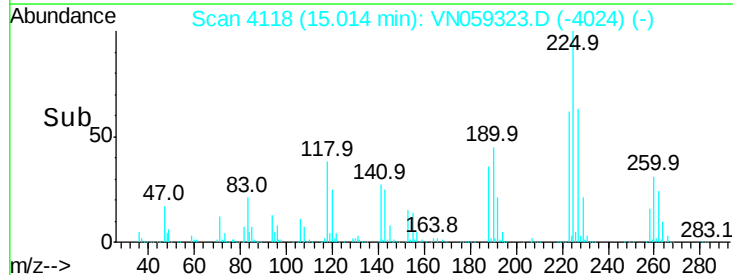
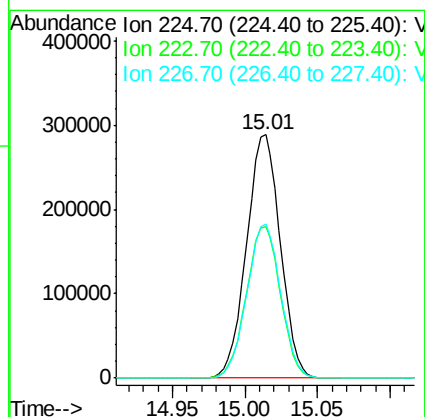
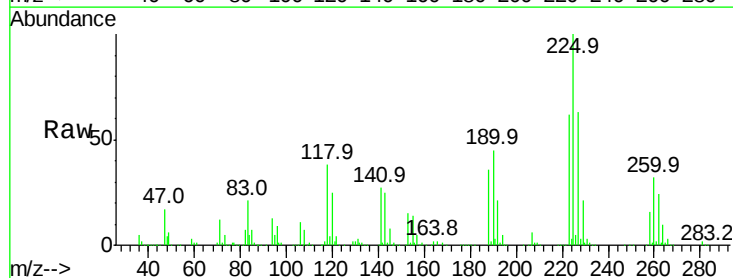
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

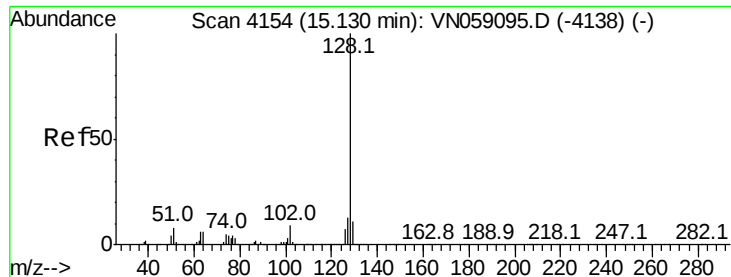
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.3
145	30.1	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 165.422 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.9
227	63.2	31.5	94.5





#95

Naphthalene

Concen: 206.335 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

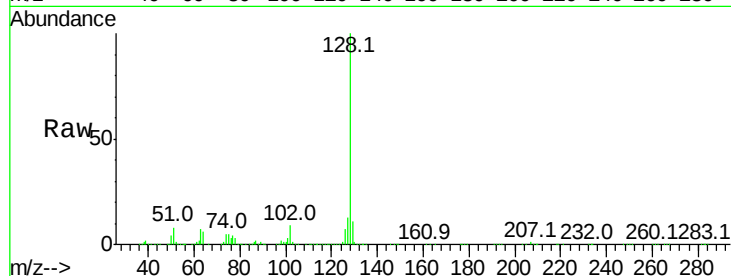
MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 2494362

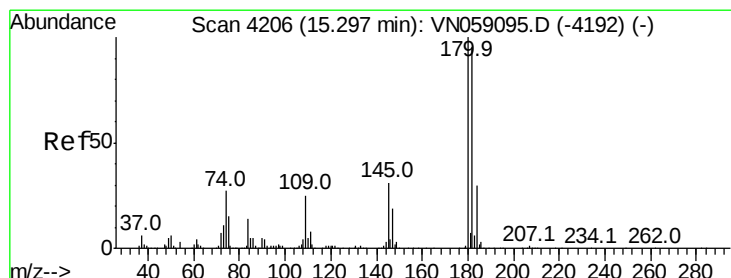
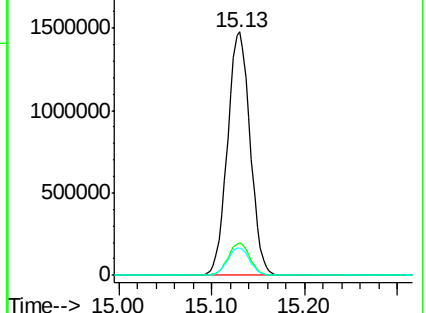
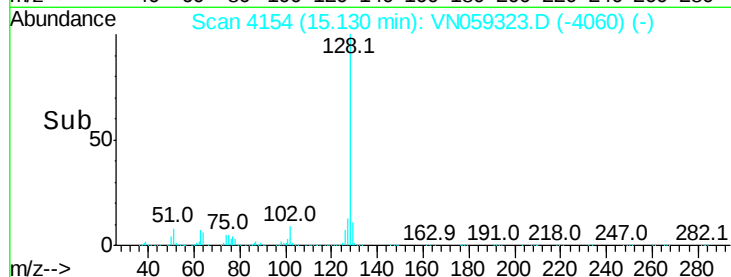
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.6	12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 188.339 ug/l

RT: 15.30 min Scan# 4206

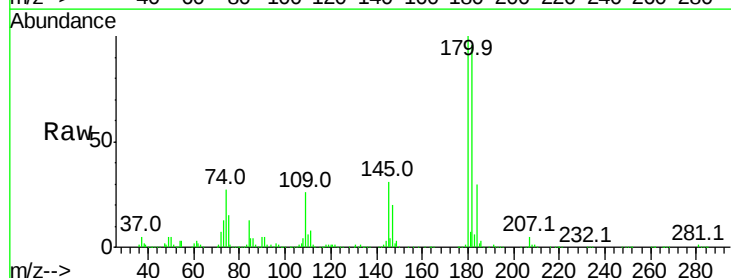
Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion:180 Resp: 867235

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	31.6	15.8	47.3



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

