

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059096.D
 Acq On : 6 Nov 2019 10:23
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 07 03:14:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	550093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	852726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	790073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	664380	93.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.50%	
35) Dibromofluoromethane	7.57	113	518495	96.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.38%	
50) Toluene-d8	10.08	98	2058982	98.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.72%	
62) 4-Bromofluorobenzene	12.40	95	782198	104.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	533821	90.451	ug/l	99
3) Chloromethane	2.04	50	700813	87.646	ug/l	100
4) Vinyl Chloride	2.17	62	702005	90.329	ug/l	99
5) Bromomethane	2.52	94	374708	81.870	ug/l	100
6) Chloroethane	2.67	64	405023	85.100	ug/l	100
7) Trichlorofluoromethane	2.99	101	838384	90.555	ug/l	100
8) Diethyl Ether	3.38	74	346678	95.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	506989	92.809	ug/l	100
10) Methyl Iodide	3.92	142	687460	103.068	ug/l	100
11) Tert butyl alcohol	4.76	59	647814	483.076	ug/l	99
12) 1,1-Dichloroethene	3.71	96	497949	91.720	ug/l	100
13) Acrolein	3.58	56	311052	384.954	ug/l	100
14) Allyl chloride	4.29	41	1030714	95.816	ug/l	98
15) Acrylonitrile	4.95	53	1667021	493.644	ug/l	99
16) Acetone	3.79	43	1825677	493.035	ug/l	98
17) Carbon Disulfide	4.02	76	1509037	88.098	ug/l	100
18) Methyl Acetate	4.29	43	838374	89.890	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1781964	96.236	ug/l	100
20) Methylene Chloride	4.52	84	583917	90.629	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	544810	93.592	ug/l	98
22) Diisopropyl ether	5.92	45	2001323	97.591	ug/l	100
23) Vinyl Acetate	5.86	43	7691475	472.067	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	1078155	91.887	ug/l	99
25) 2-Butanone	6.81	43	2445085	499.313	ug/l	100
26) 2,2-Dichloropropane	6.80	77	922096	90.686	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	631669	96.009	ug/l	99
28) Bromochloromethane	7.17	49	301695	83.875	ug/l	99
29) Tetrahydrofuran	7.18	42	1511820	489.610	ug/l	99
30) Chloroform	7.35	83	1023398	91.259	ug/l	99
31) Cyclohexane	7.63	56	1005544	90.233	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	887200	93.529	ug/l	100
36) 1,1-Dichloropropene	7.77	75	814633	96.601	ug/l	99
37) Ethyl Acetate	6.90	43	904709	96.422	ug/l	100
38) Carbon Tetrachloride	7.75	117	789304	95.937	ug/l	98

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 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 07 03:14:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	985080	101.354	ug/l	99
40) Benzene	8.02	78	2397194	95.536	ug/l	100
41) Methacrylonitrile	7.18	41	1296865	317.985	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	814956	93.463	ug/l	100
43) Isopropyl Acetate	8.14	43	1473724	100.660	ug/l	100
44) Trichloroethene	8.82	130	586833	94.945	ug/l	99
45) 1,2-Dichloropropane	9.10	63	656984	96.718	ug/l	99
46) Dibromomethane	9.19	93	397853	94.885	ug/l	99
47) Bromodichloromethane	9.39	83	827643	97.281	ug/l	97
48) Methyl methacrylate	9.18	41	682443	102.174	ug/l	99
49) 1,4-Dioxane	9.18	88	246626	2278.546	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	4085323	478.956	ug/l	92
52) Toluene	10.14	92	1484987	101.175	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	978781	99.770	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1052301	101.790	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	575717	95.941	ug/l	100
56) Ethyl methacrylate	10.42	69	1000676	110.912	ug/l	98
57) 1,3-Dichloropropane	10.70	76	1021956	98.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1469781	410.468	ug/l	100
59) 2-Hexanone	10.74	43	3323991	512.977	ug/l	94
60) Dibromochloromethane	10.90	129	645234	100.129	ug/l	100
61) 1,2-Dibromoethane	11.00	107	609683	100.620	ug/l	99
64) Tetrachloroethene	10.62	164	519262	94.147	ug/l	99
65) Chlorobenzene	11.43	112	1543461	95.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	576084	96.762	ug/l	99
67) Ethyl Benzene	11.51	91	2752093	98.429	ug/l	95
68) m/p-Xylenes	11.62	106	2134812	204.174	ug/l	90
69) o-Xylene	11.95	106	1029312	103.174	ug/l	96
70) Styrene	11.96	104	1746272	108.220	ug/l	99
71) Bromoform	12.12	173	483210	104.980	ug/l #	99
73) Isopropylbenzene	12.25	105	2693076	92.147	ug/l	98
74) N-amyl acetate	12.07	43	1304404	100.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	918905	88.248	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1251490	134.480	ug/l #	100
77) Bromobenzene	12.53	156	670337	91.415	ug/l	99
78) n-propylbenzene	12.59	91	3136779	92.870	ug/l	96
79) 2-Chlorotoluene	12.67	91	1937103	92.358	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2354383	94.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	355346	97.926	ug/l	97
82) 4-Chlorotoluene	12.77	91	2014068	94.004	ug/l	99
83) tert-Butylbenzene	12.99	119	2022520	95.514	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2351610	97.710	ug/l	99
85) sec-Butylbenzene	13.17	105	2677485	96.720	ug/l	98
86) p-Isopropyltoluene	13.29	119	2446361	98.126	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1230438	94.796	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1225805	95.574	ug/l	99
89) n-Butylbenzene	13.62	91	2260050	104.403	ug/l	98
90) Hexachloroethane	13.88	117	459068	92.771	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1187297	91.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	195174	86.937	ug/l	99

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Data File : VN059096.D
Acq On : 6 Nov 2019 10:23
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Nov 07 03:14:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration

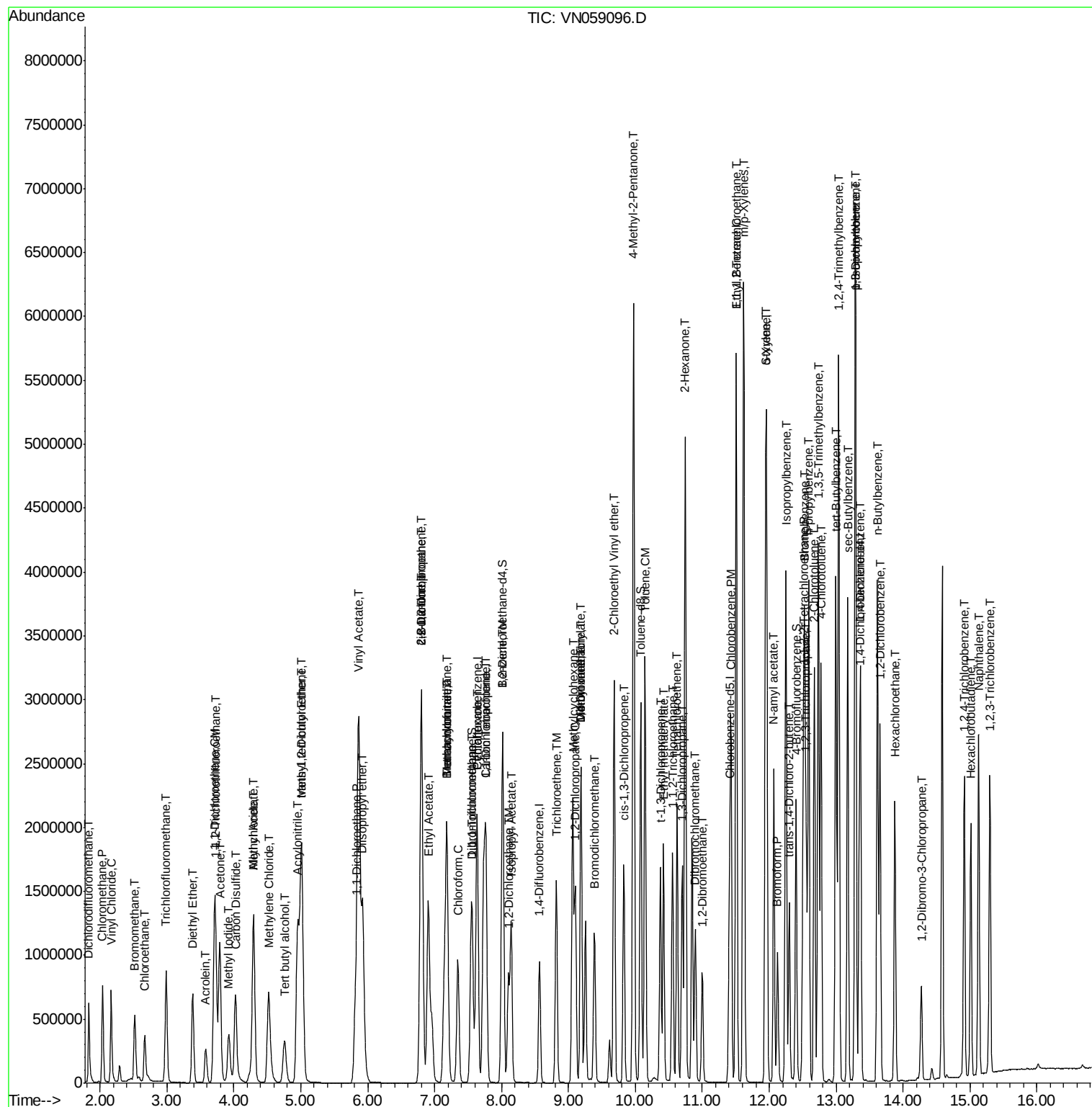
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	757930	109.163	ug/l	99
94) Hexachlorobutadiene	15.01	225	395738	94.335	ug/l	99
95) Naphthalene	15.13	128	2181147	114.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	750533	105.699	ug/l	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
Data File : VN059096.D
Acq On : 6 Nov 2019 10:23
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Nov 07 03:14:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

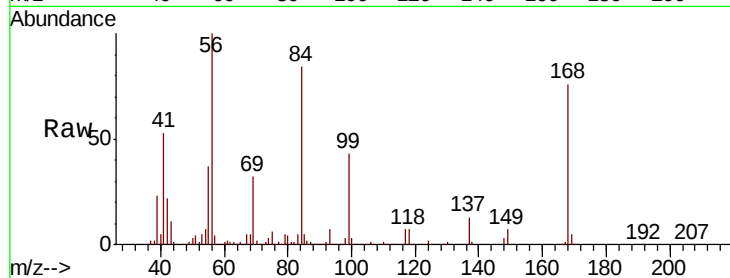
VSTDIC100

Tot Ion:168 Resp: 550093

Ion Ratio Lower Upper

168 100

99 57.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

100000

50000

0

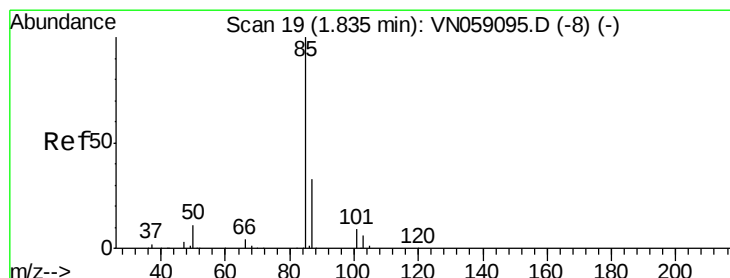
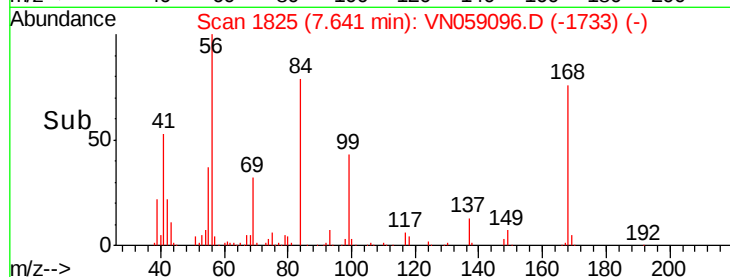
Time-->

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 90.451 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059096.D

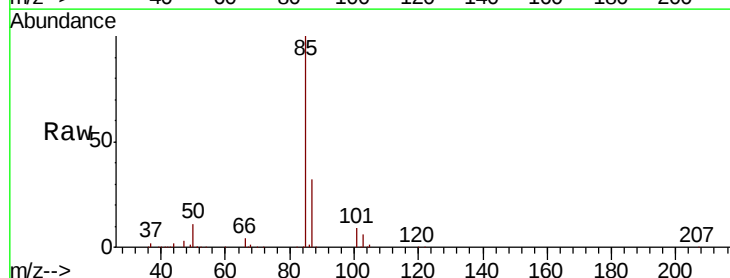
Acq: 6 Nov 2019 10:23

Tgt Ion: 85 Resp: 533821

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

400000

300000

200000

100000

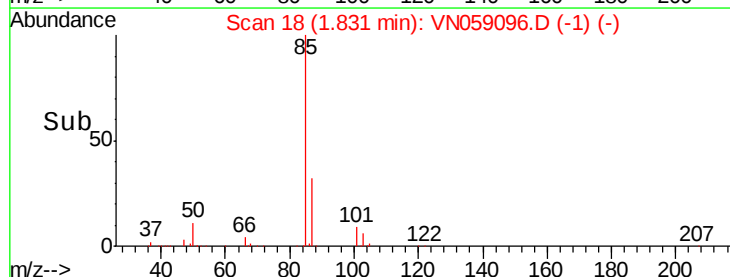
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Time-->

1.80

1.90

2.00





#3

Chloromethane

Concen: 87.646 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

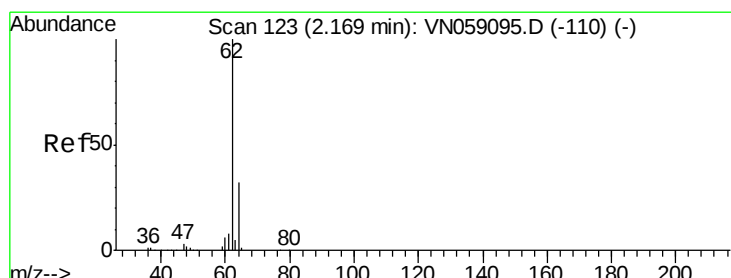
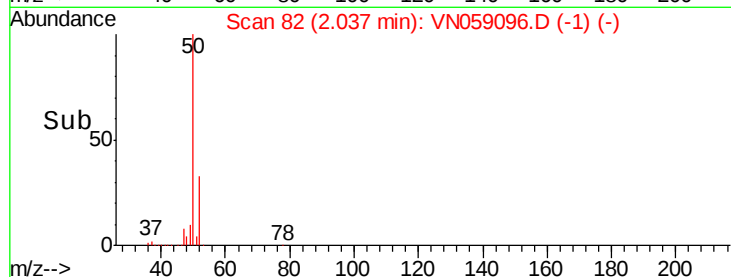
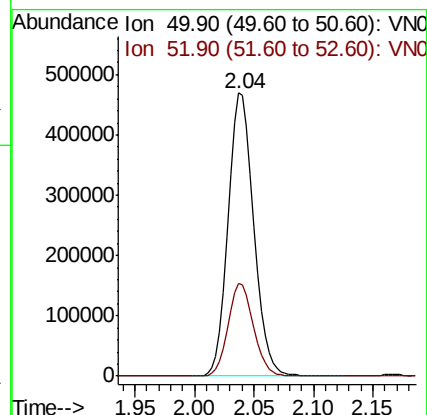
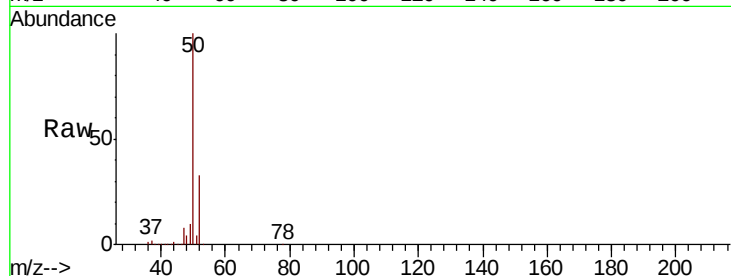
VSTDIC100

Tot Ion: 50 Resp: 700813

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 90.329 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059096.D

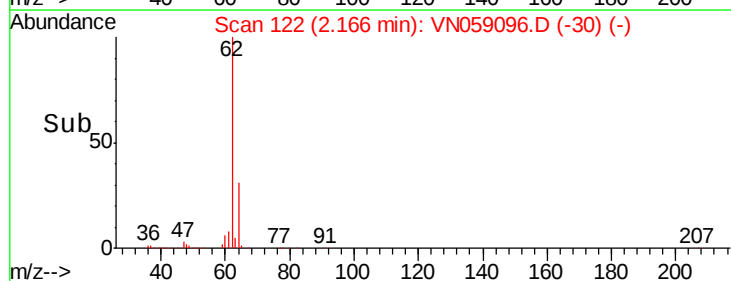
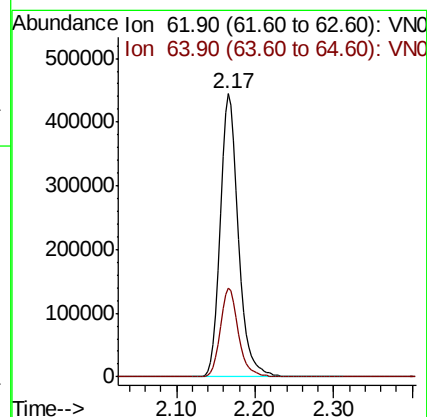
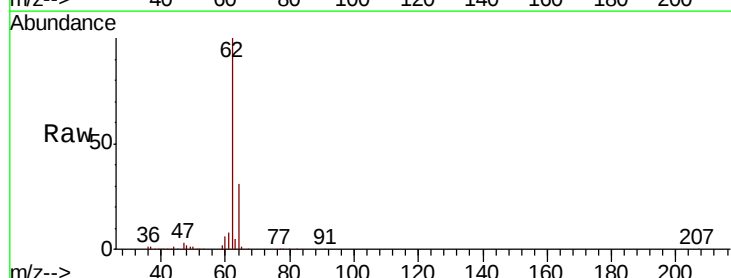
Acq: 6 Nov 2019 10:23

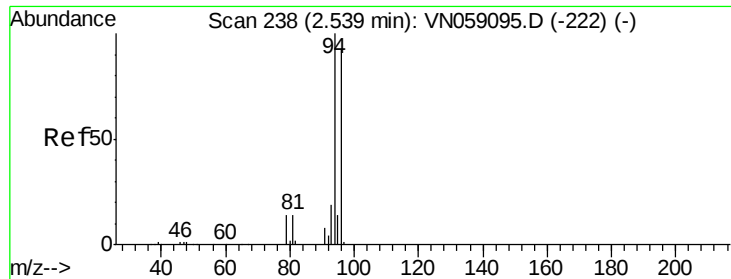
Tgt Ion: 62 Resp: 702005

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 81.870 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

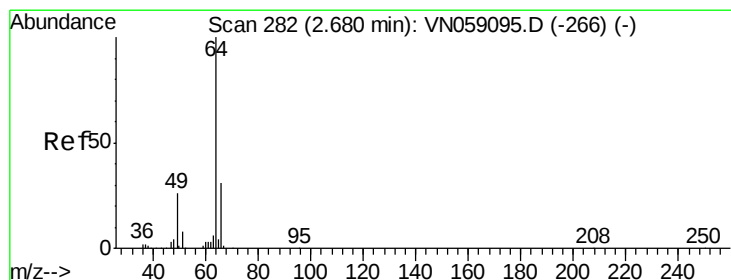
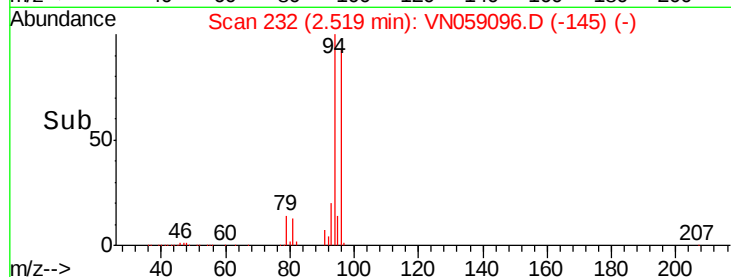
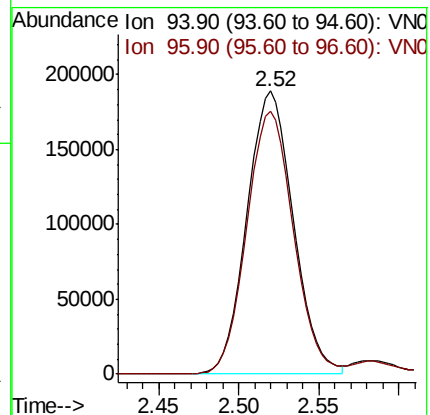
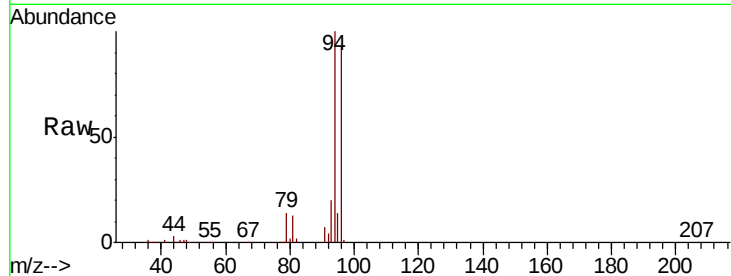
VSTDIC100

Tot Ion: 94 Resp: 374708

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



#6

Chloroethane

Concen: 85.100 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059096.D

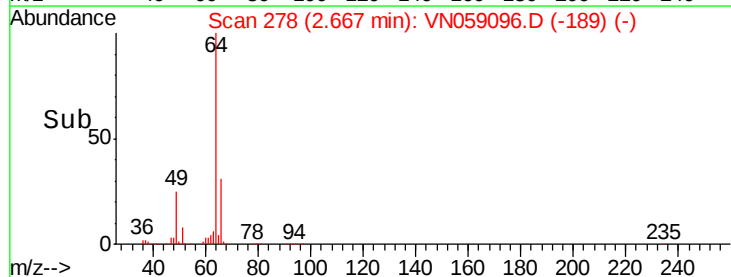
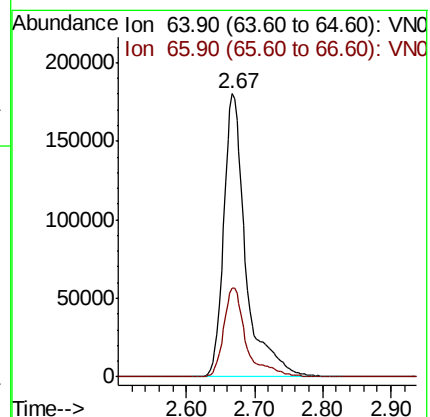
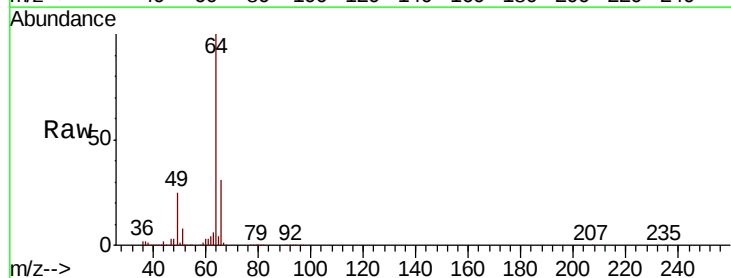
Acq: 6 Nov 2019 10:23

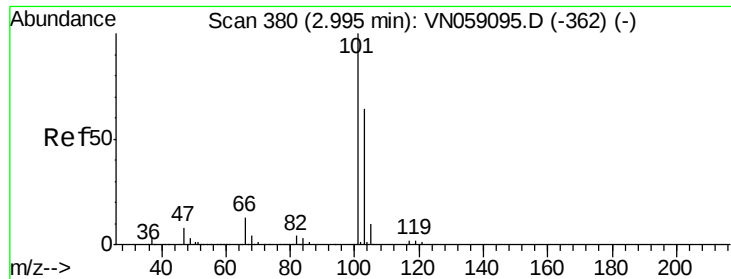
Tgt Ion: 64 Resp: 405023

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8



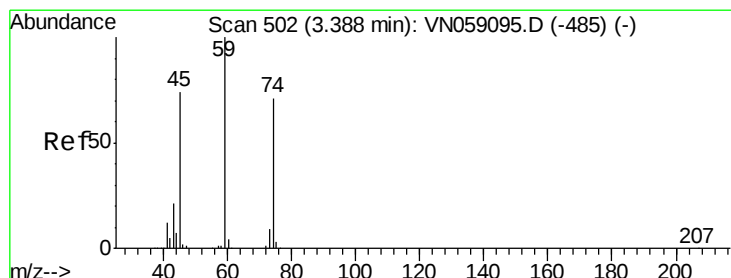
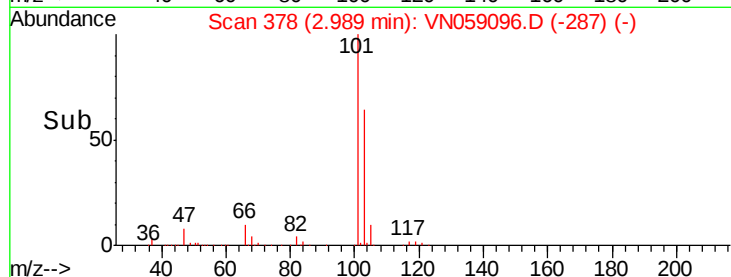
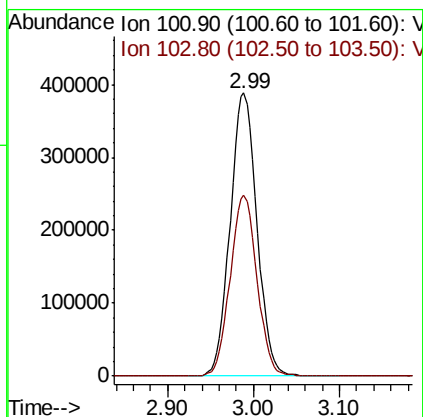
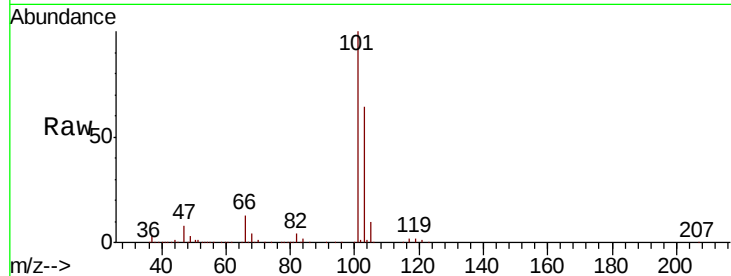


#7

Trichlorofluoromethane
 Concen: 90.555 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

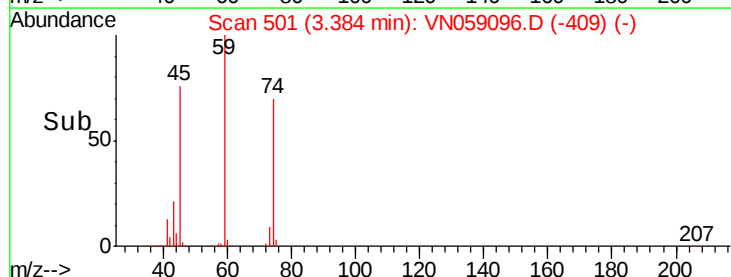
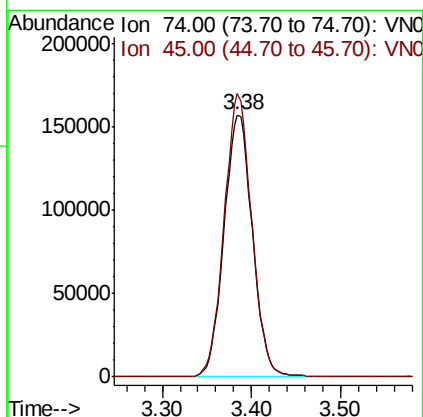
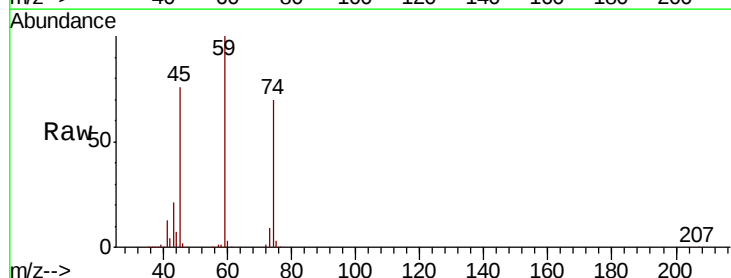
Tot Ion:101 Resp: 838384
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8



#8

Diethyl Ether
 Concen: 95.568 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 74 Resp: 346678
 Ion Ratio Lower Upper
 74 100
 45 105.1 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.809 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

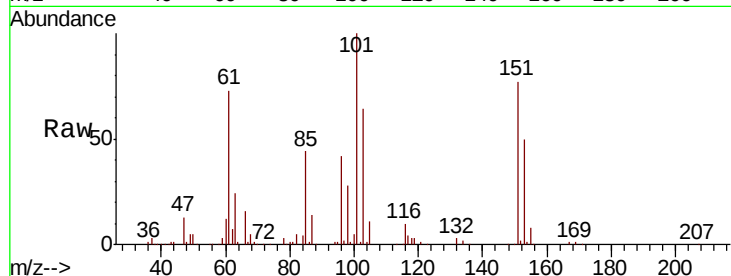
Tot Ion:101 Resp: 506989

Ion Ratio Lower Upper

101 100

85 44.3 35.5 53.3

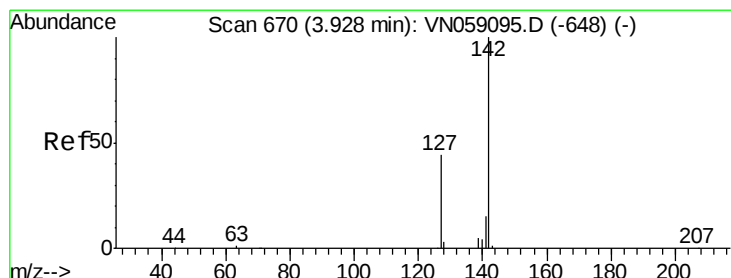
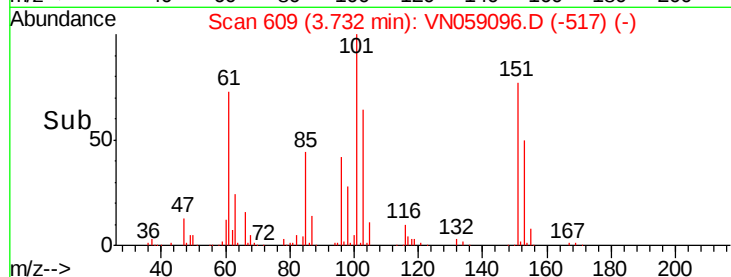
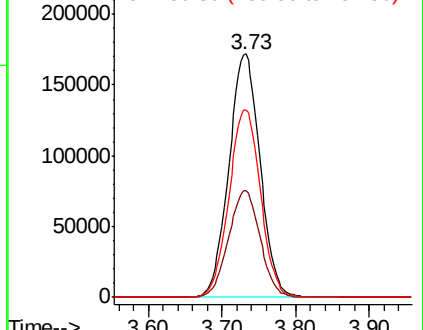
151 77.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.068 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

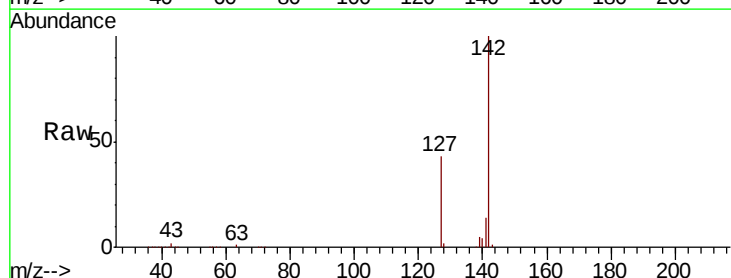
Tgt Ion:142 Resp: 687460

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.2

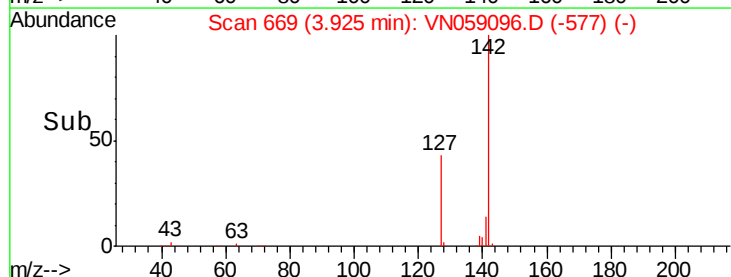
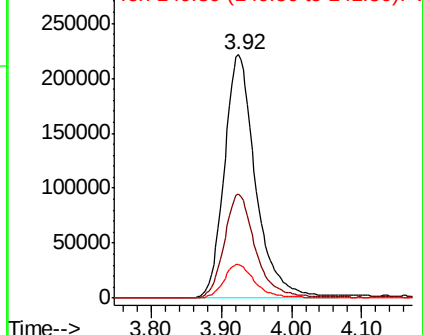
141 13.9 11.4 17.0

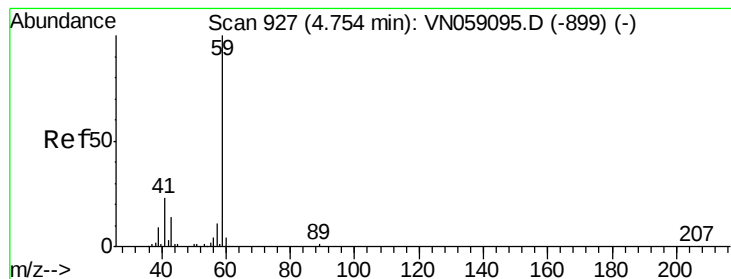


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



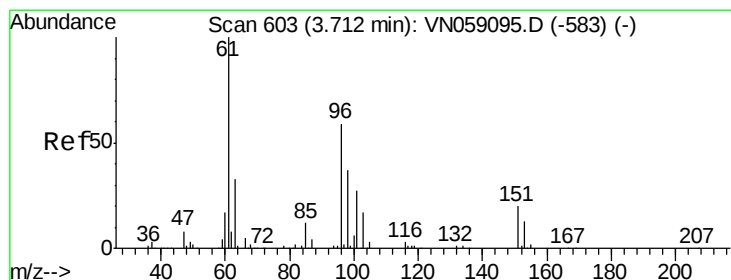
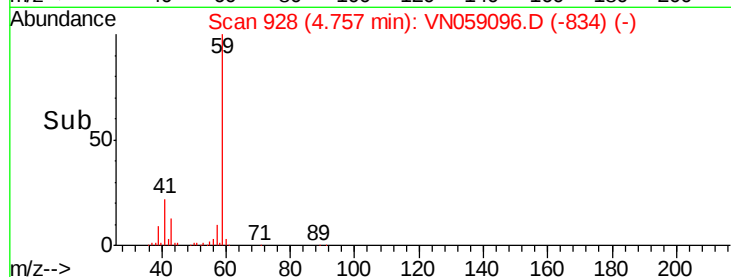
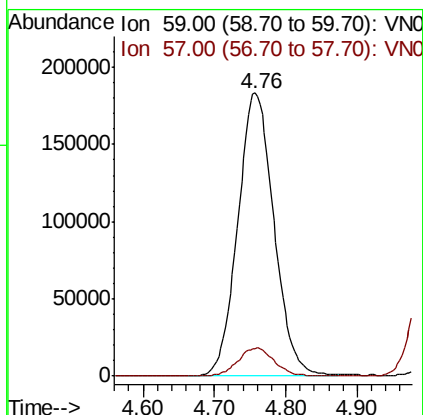
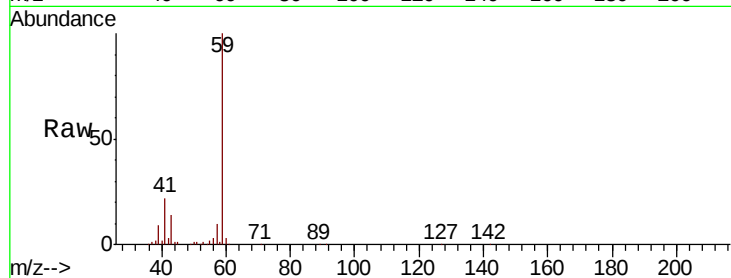


#11

Tert butyl alcohol
 Concen: 483.076 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

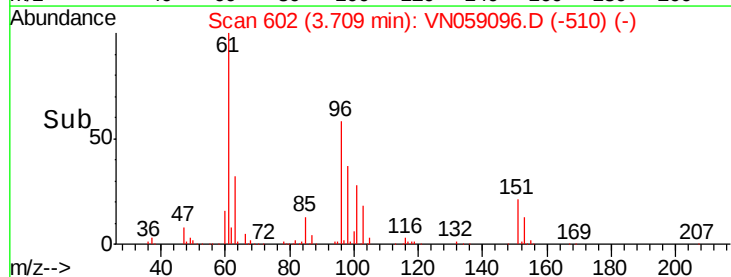
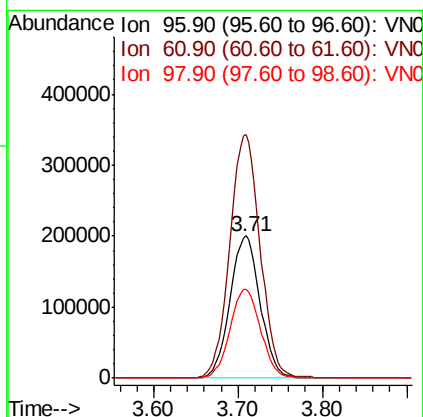
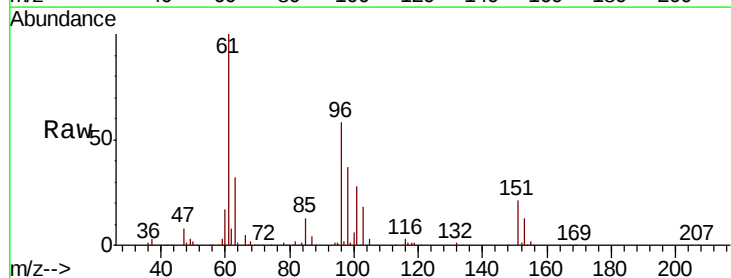
Tot Ion: 59 Resp: 647814
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

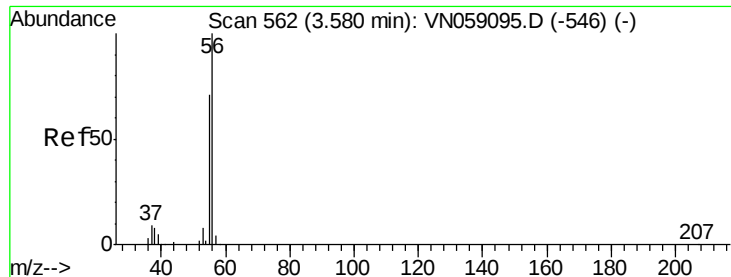


#12

1,1-Dichloroethene
 Concen: 91.720 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 96 Resp: 497949
 Ion Ratio Lower Upper
 96 100
 61 171.1 136.5 204.7
 98 62.5 50.2 75.4





#13

Acrolein

Concen: 384.954 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

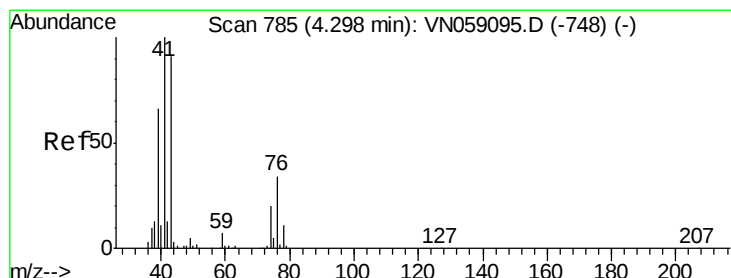
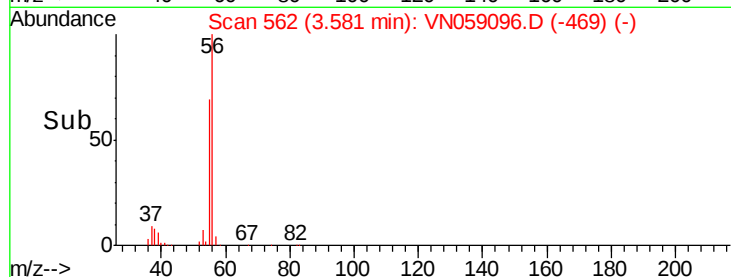
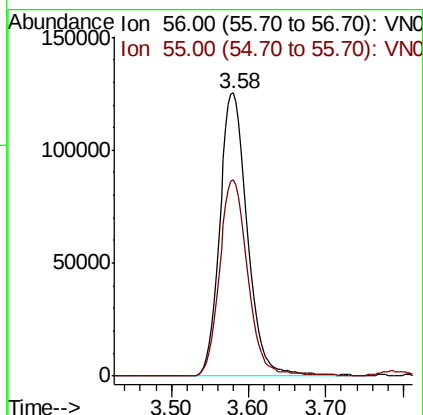
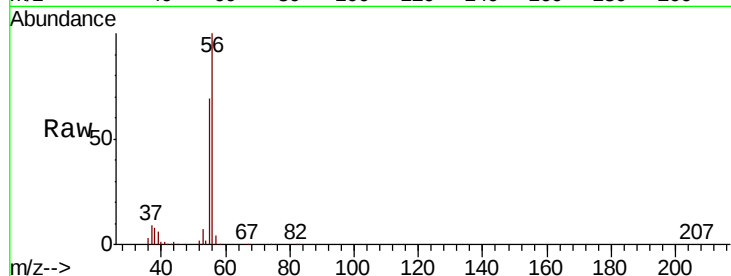
VSTDIC100

Tot Ion: 56 Resp: 311052

Ion Ratio Lower Upper

56 100

55 70.7 56.4 84.6



#14

Allyl chloride

Concen: 95.816 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

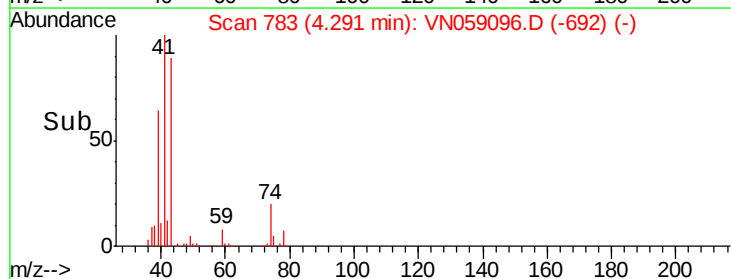
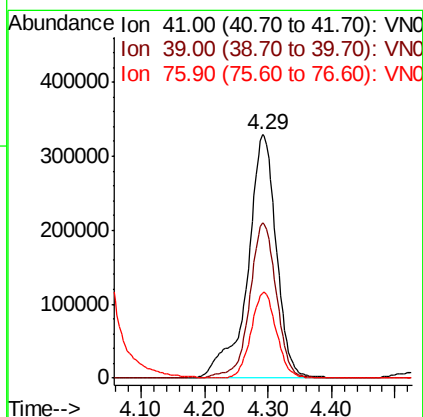
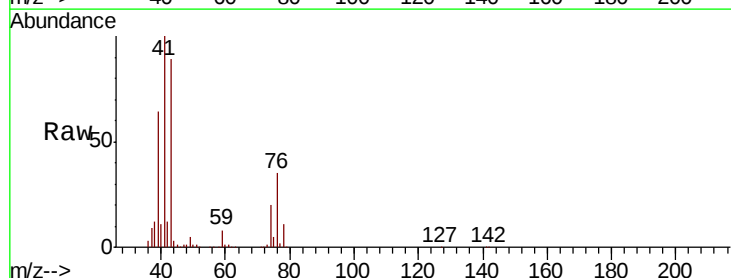
Tgt Ion: 41 Resp: 1030714

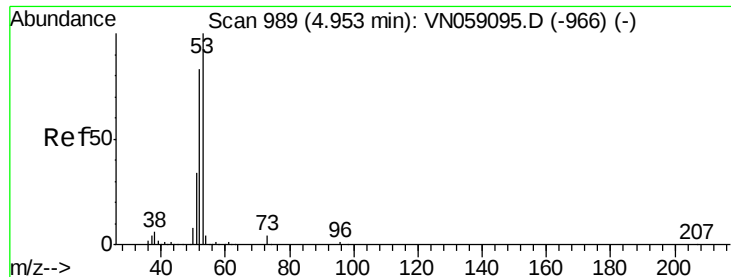
Ion Ratio Lower Upper

41 100

39 59.5 49.1 73.7

76 30.7 24.9 37.3





#15

Acrylonitrile

Concen: 493.644 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

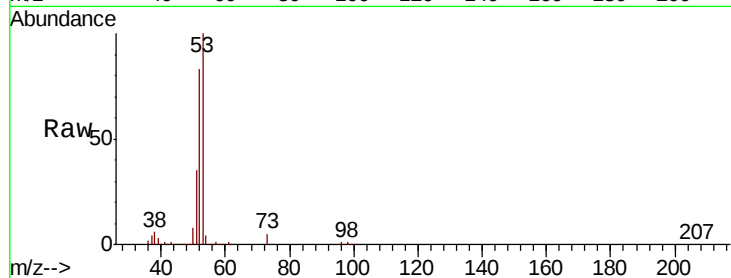
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1667021

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	34.9	28.0	42.0

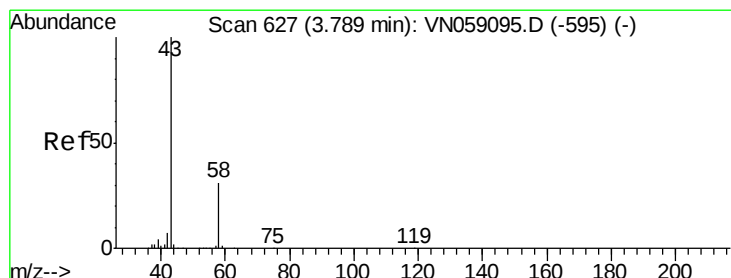
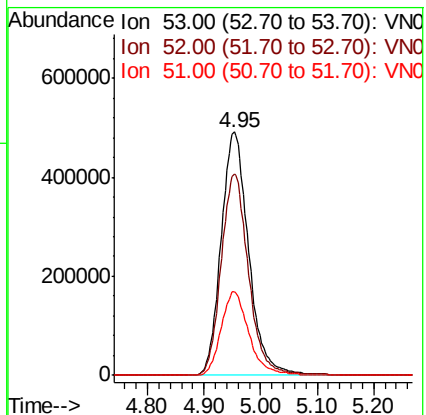
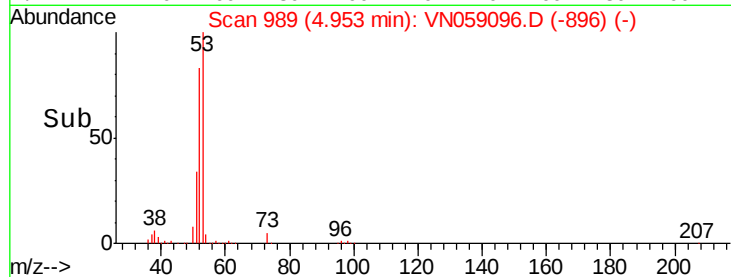


Abundance

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: 493.035 ug/l

RT: 3.79 min Scan# 627

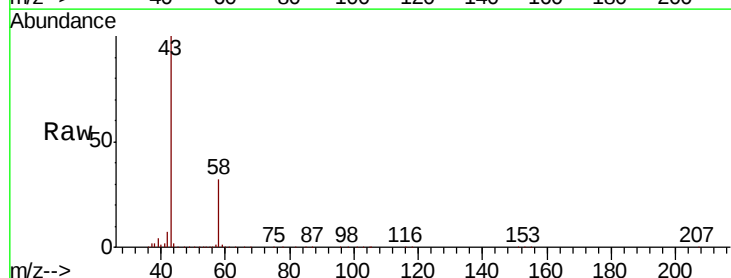
Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 1825677

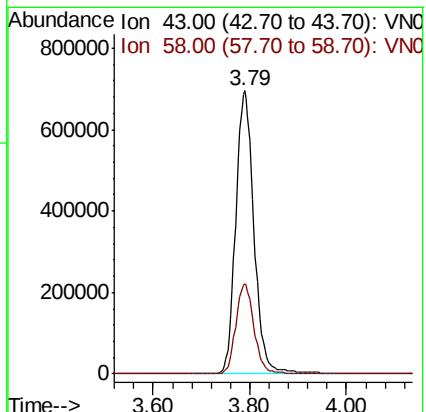
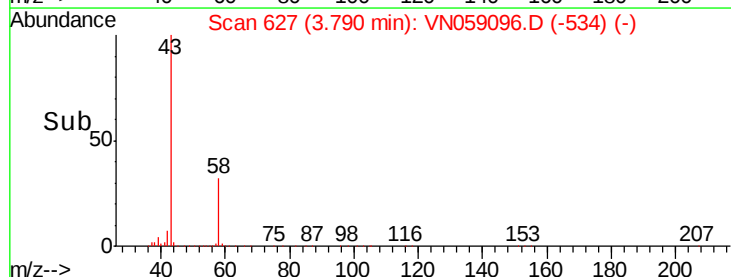
Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.9	37.3

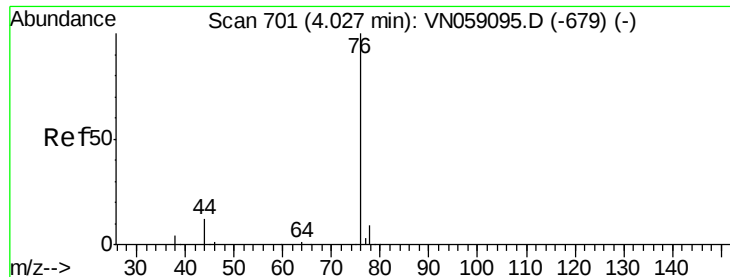


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

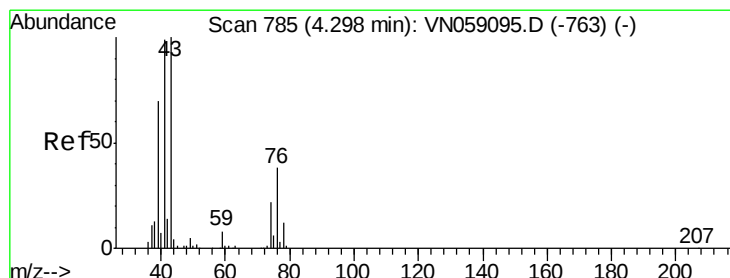
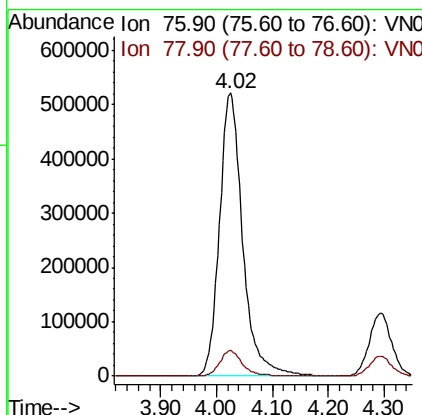
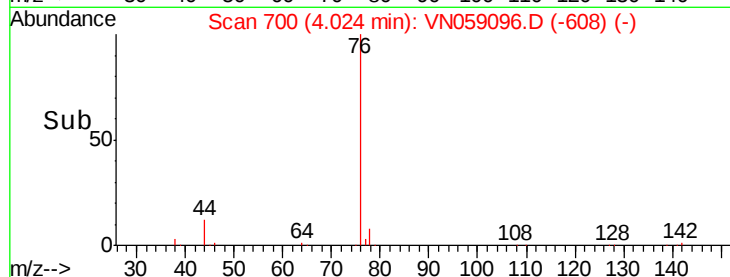
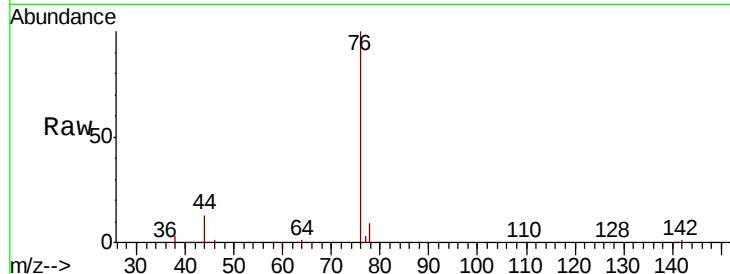




#17
Carbon Disulfide
Concen: 88.098 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

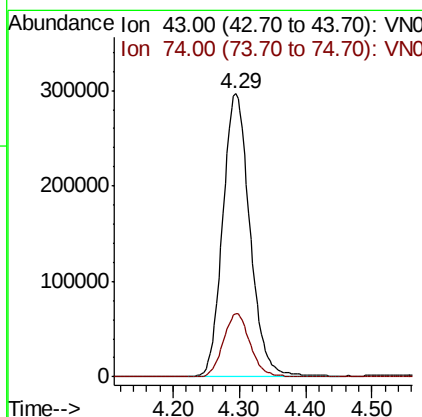
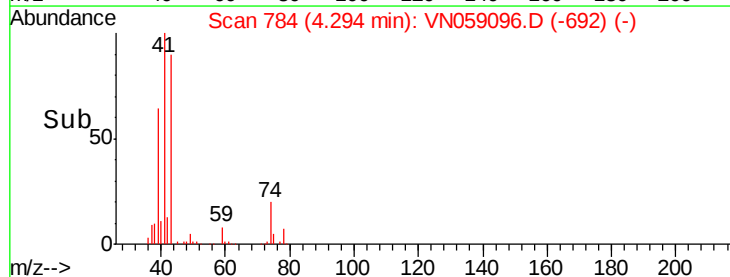
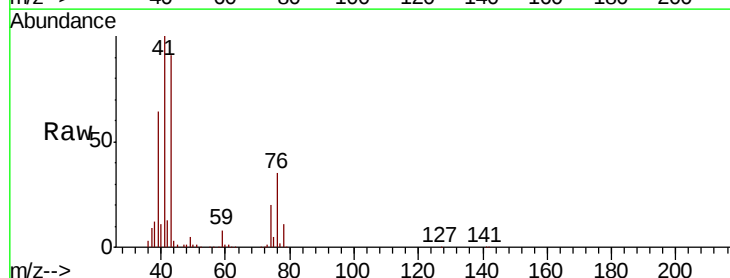
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

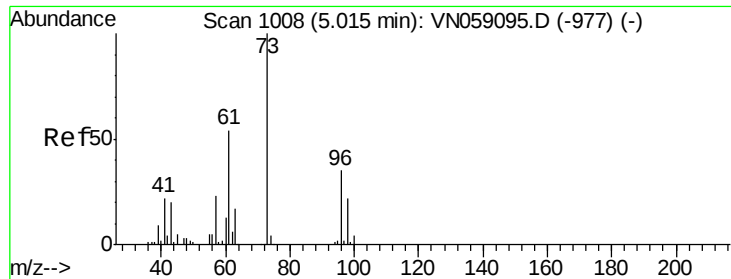
Tot Ion: 76 Resp: 1509037
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 89.890 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 838374
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8

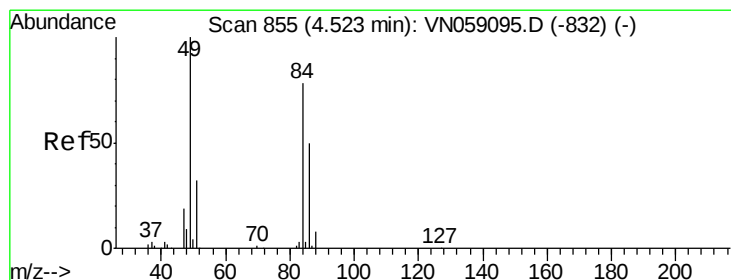
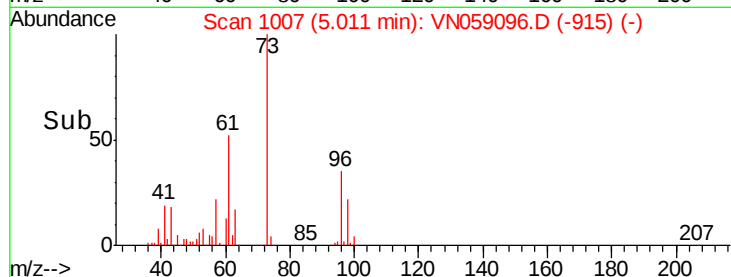
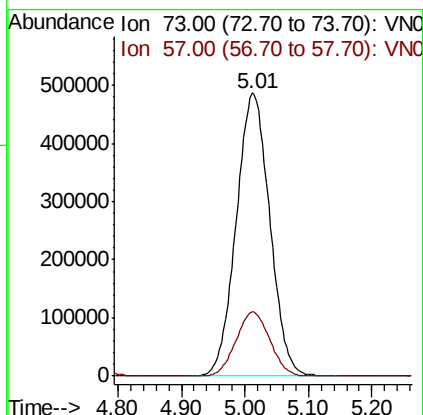
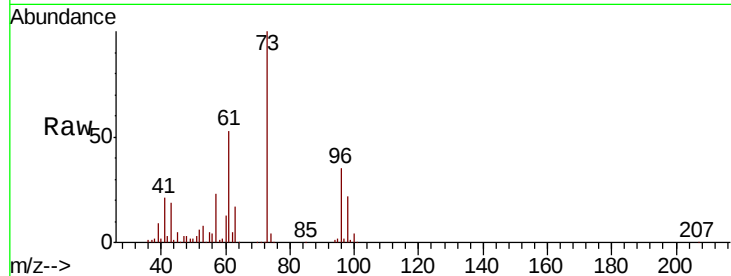




#19
Methvl tert-butvl Ether
Concen: 96.236 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

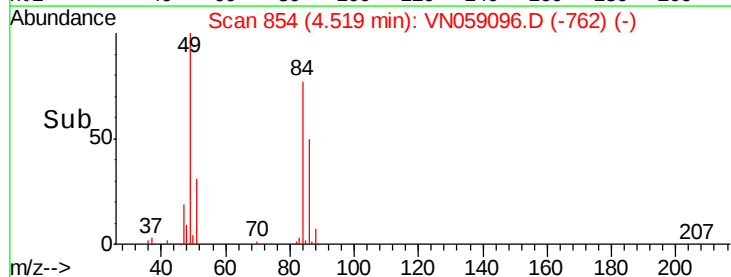
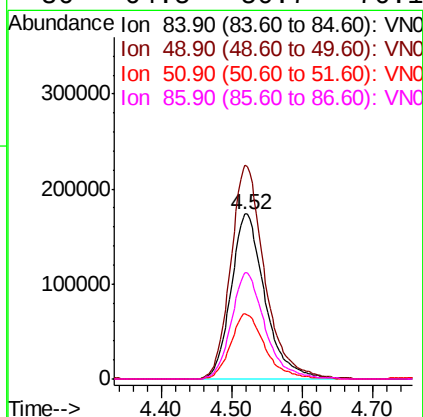
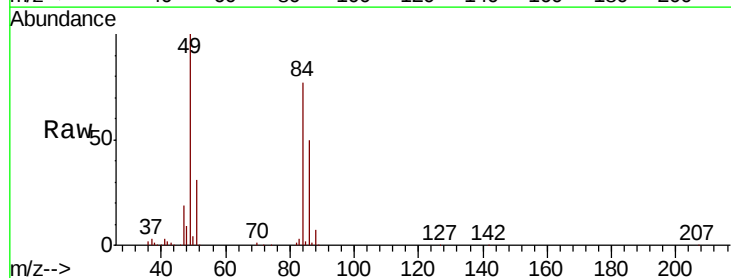
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

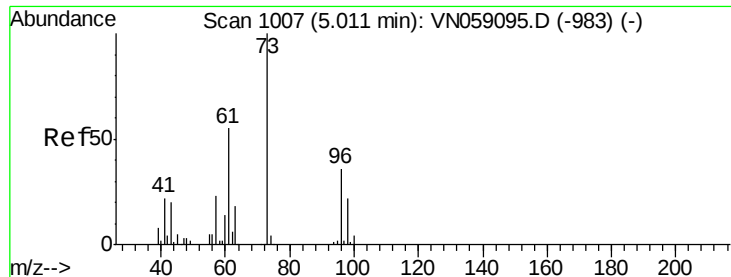
Tot Ion: 73 Resp: 1781964
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 90.629 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 84 Resp: 583917
Ion Ratio Lower Upper
84 100
49 129.6 102.0 153.0
51 39.8 32.2 48.2
86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 93.592 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

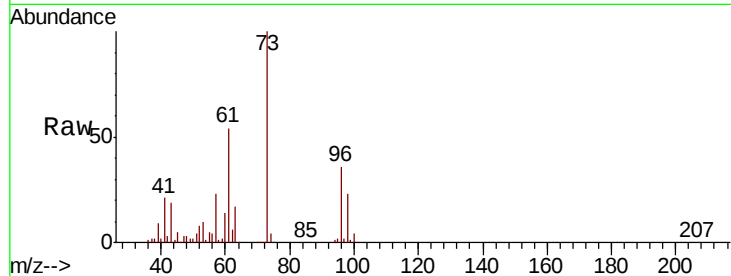
Tot Ion: 96 Resp: 544810

Ion Ratio Lower Upper

96 100

61 149.1 122.6 183.8

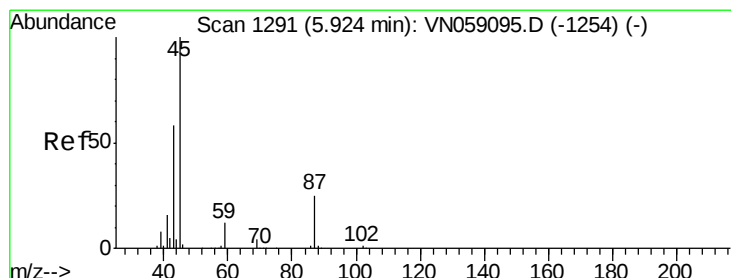
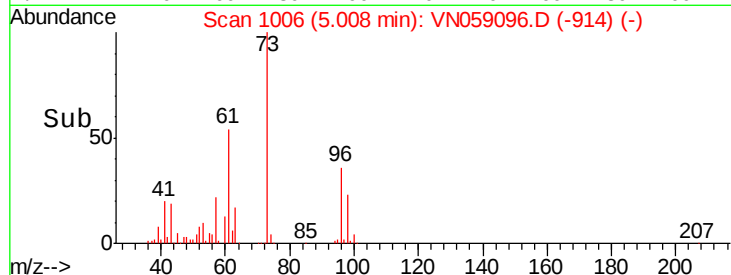
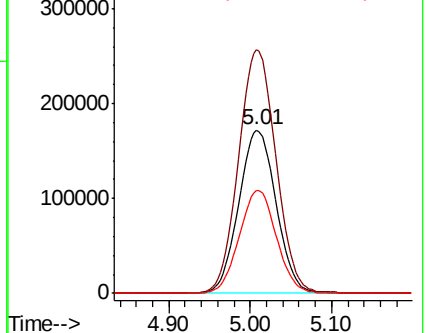
98 63.2 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-983) (-)



#22

Diisopropyl ether

Concen: 97.591 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 45 Resp: 2001323

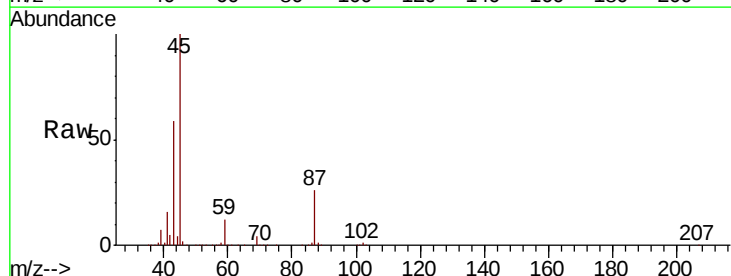
Ion Ratio Lower Upper

45 100

43 58.7 46.7 70.1

87 25.8 20.5 30.7

59 11.6 9.6 14.4

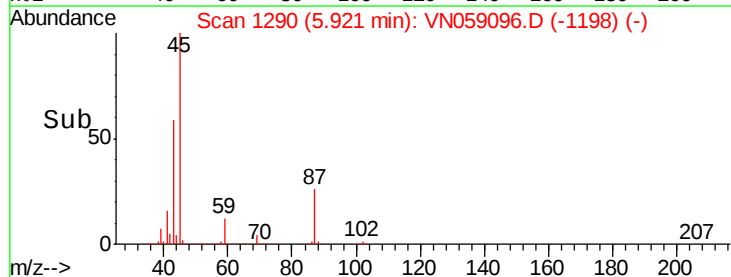
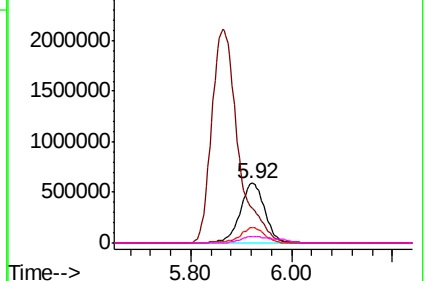


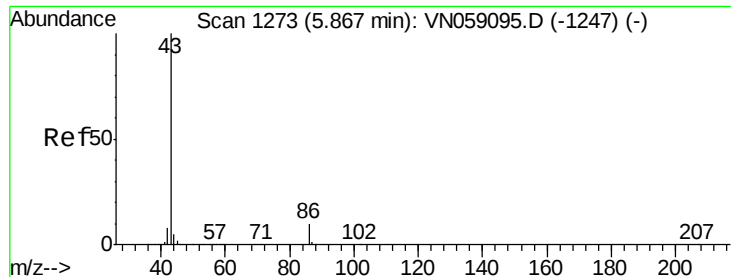
Abundance Ion 45.00 (44.70 to 45.70): VN059095.D (-1254) (-)

Ion 43.00 (42.70 to 43.70): VN059095.D (-1254) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1254) (-)

Ion 59.00 (58.70 to 59.70): VN059095.D (-1254) (-)





#23

Vinyl Acetate

Concen: 472.067 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

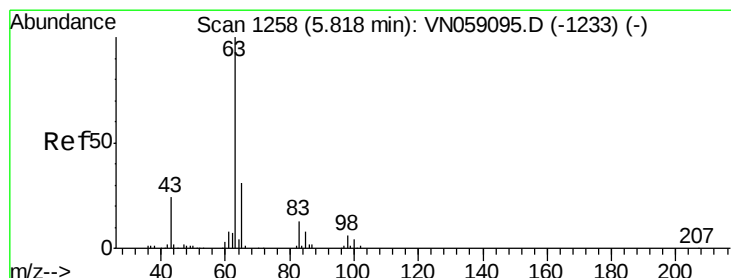
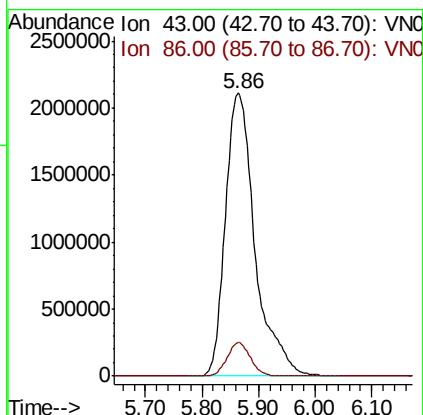
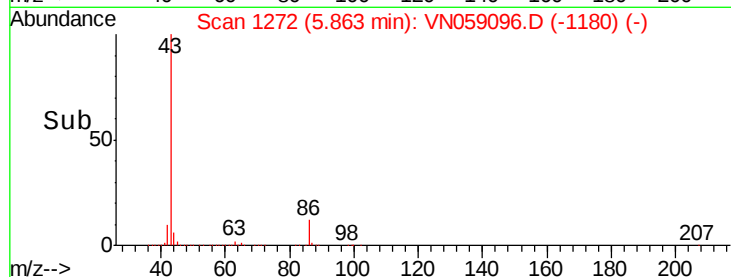
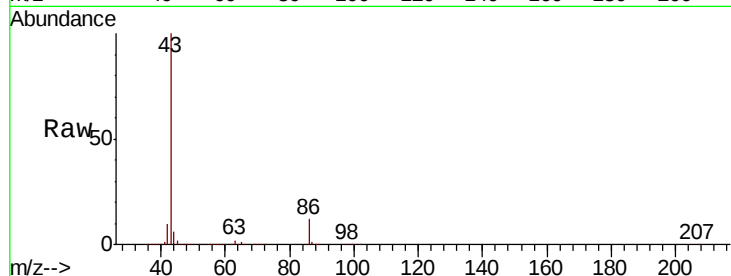
VSTDIC100

Tot Ion: 43 Resp: 7691475

Ion Ratio Lower Upper

43 100

86 11.7 7.7 11.5#



#24

1,1-Dichloroethane

Concen: 91.887 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

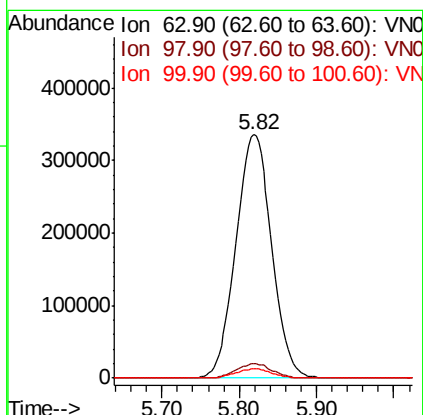
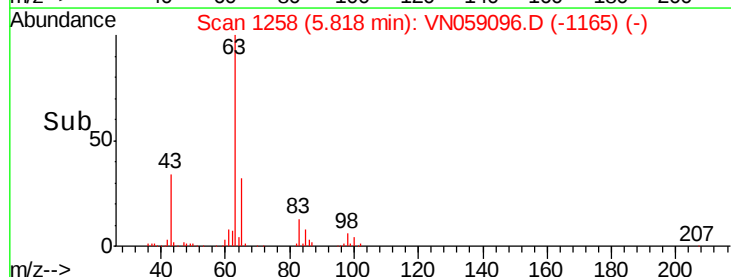
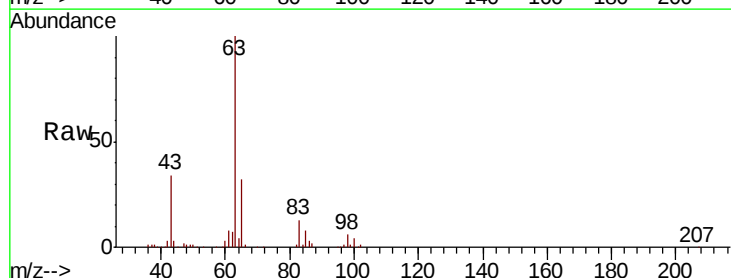
Tgt Ion: 63 Resp: 1078155

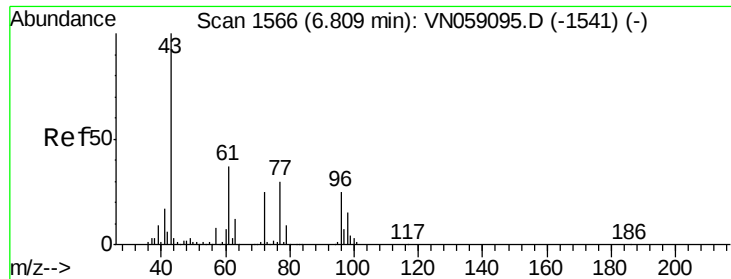
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.7 1.9 5.7

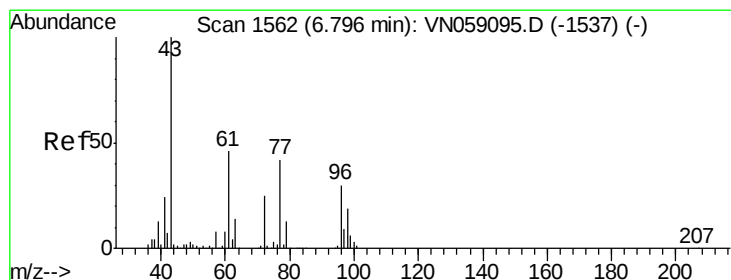
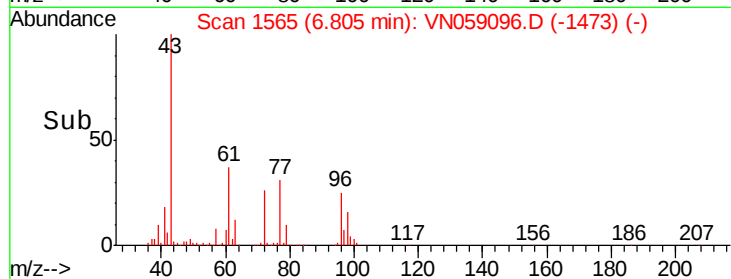
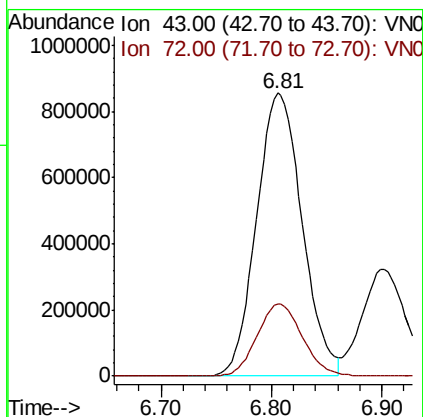
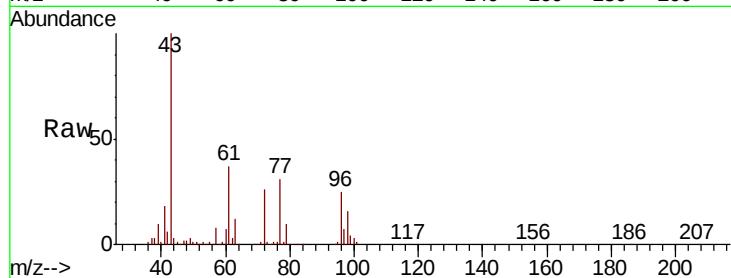




#25
 2-Butanone
 Concen: 499.313 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

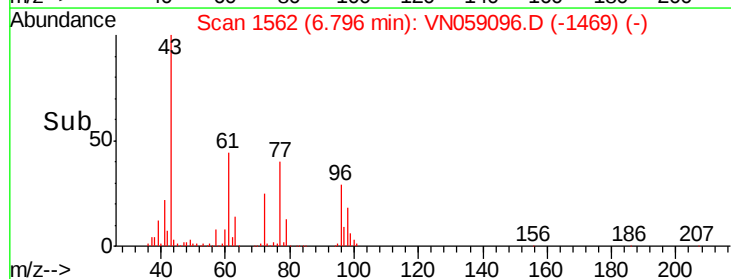
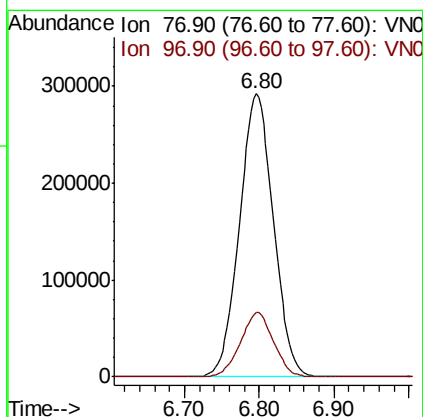
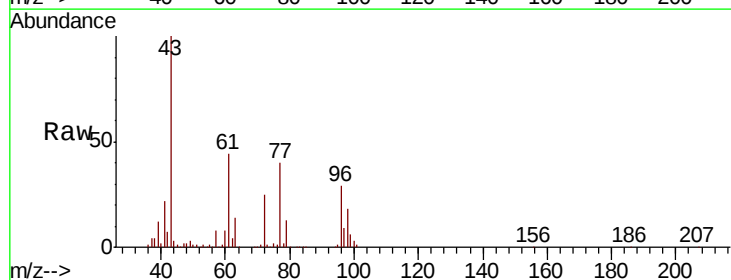
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

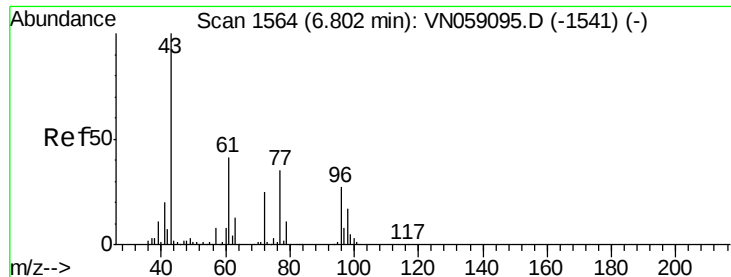
Tot Ion: 43 Resp: 2445085
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.3 30.5



#26
 2,2-Dichloropropane
 Concen: 90.686 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 77 Resp: 922096
 Ion Ratio Lower Upper
 77 100
 97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 96.009 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

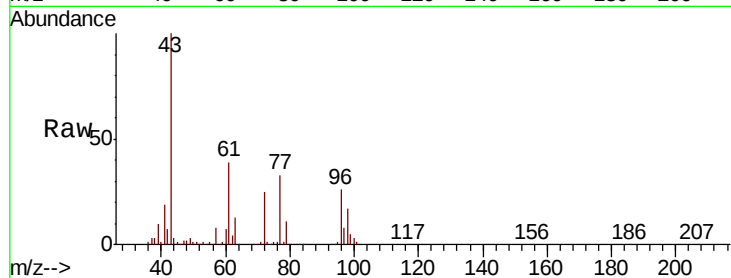
Tot Ion: 96 Resp: 631669

Ion Ratio Lower Upper

96 100

61 155.1 0.0 311.6

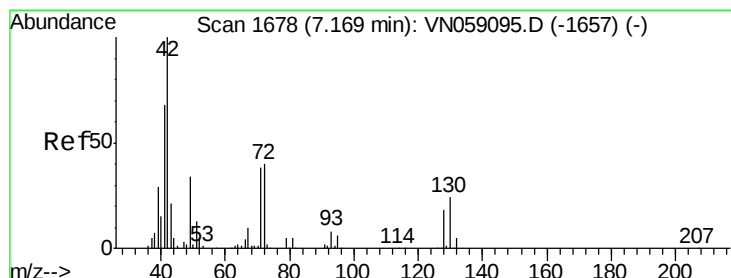
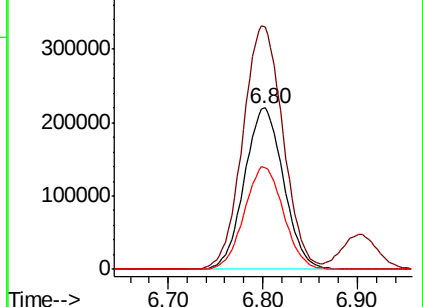
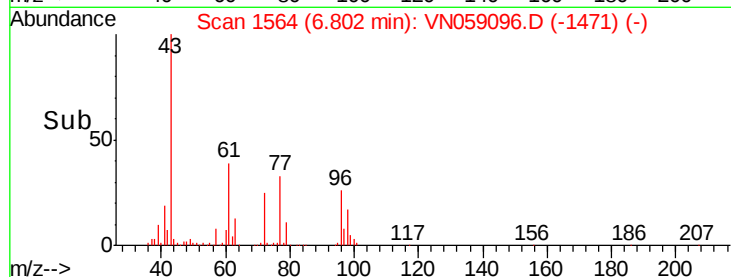
98 63.9 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059096.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059096.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059096.D (-1471) (-)



#28

Bromochloromethane

Concen: 83.875 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

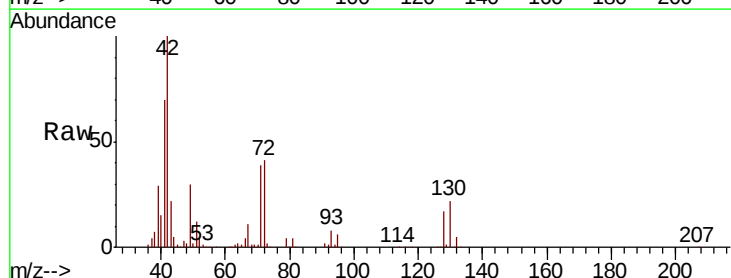
Tgt Ion: 49 Resp: 301695

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

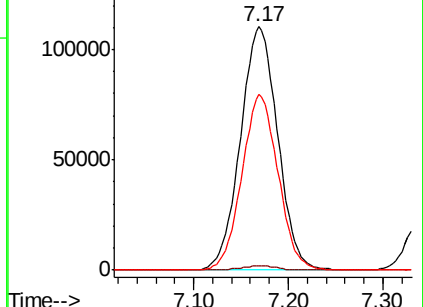
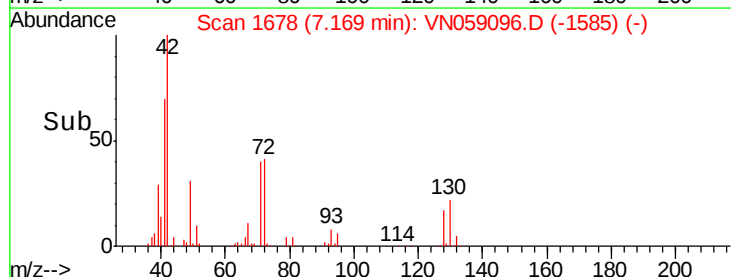
130 70.1 55.6 83.4

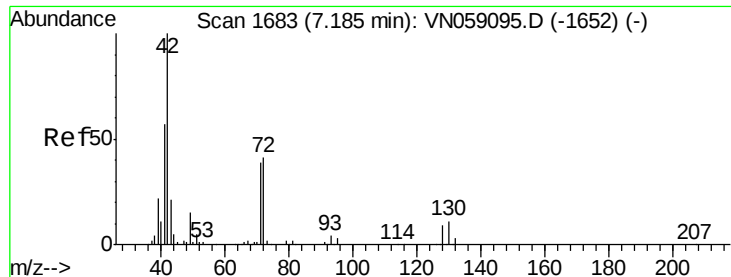


Abundance Ion 48.90 (48.60 to 49.60): VN059096.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059096.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059096.D (-1585) (-)

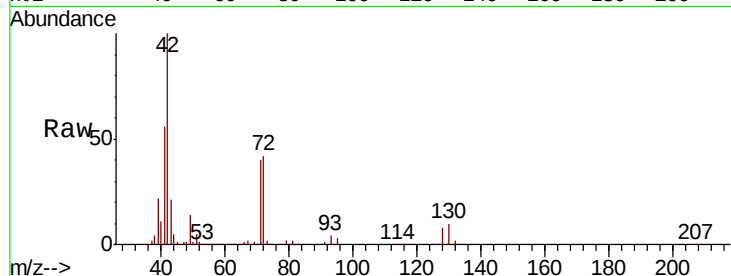




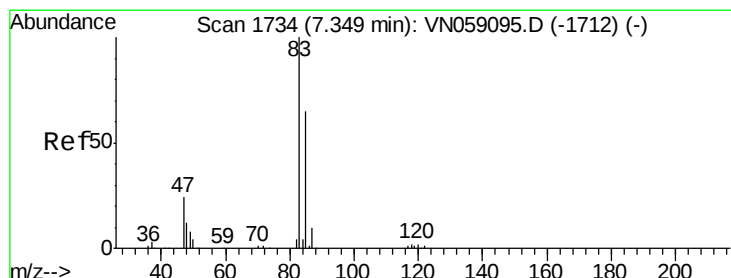
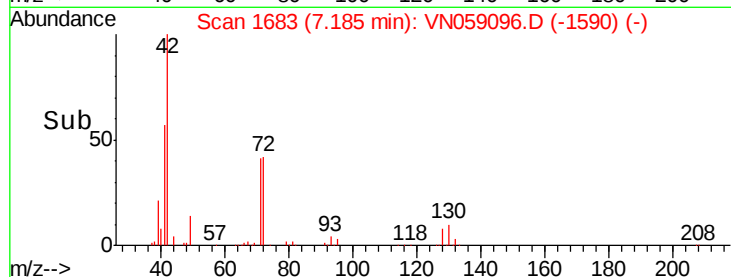
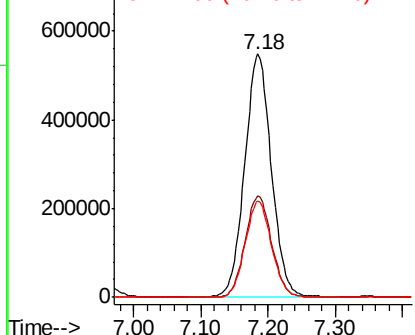
#29
Tetrahydrofuran
Concen: 489.610 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1511820
Ion Ratio Lower Upper
42 100
72 41.4 33.1 49.7
71 39.3 30.9 46.3

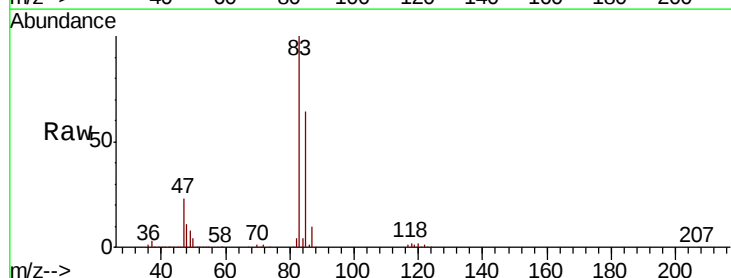


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

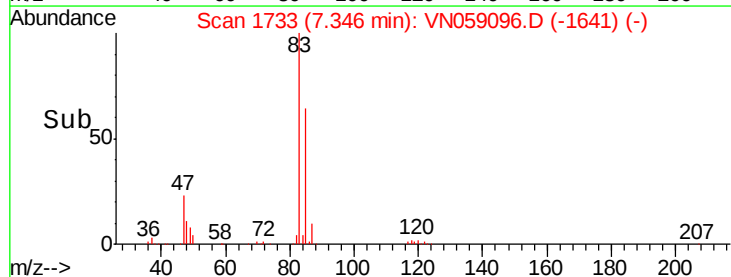
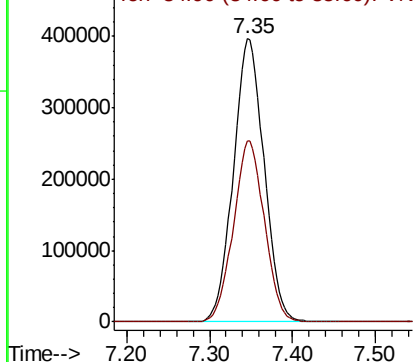


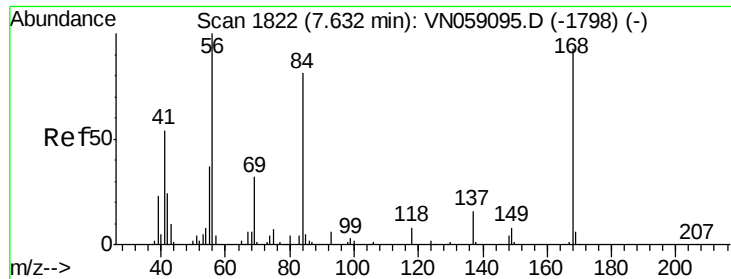
#30
Chloroform
Concen: 91.259 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 83 Resp: 1023398
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.8



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

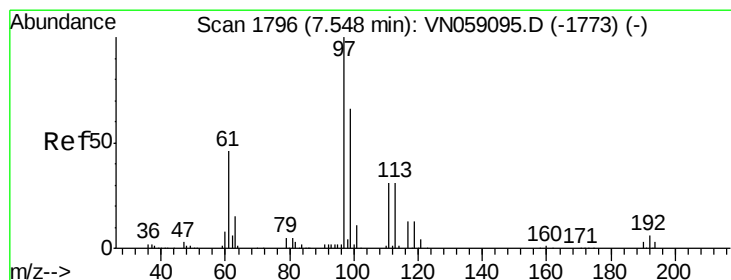
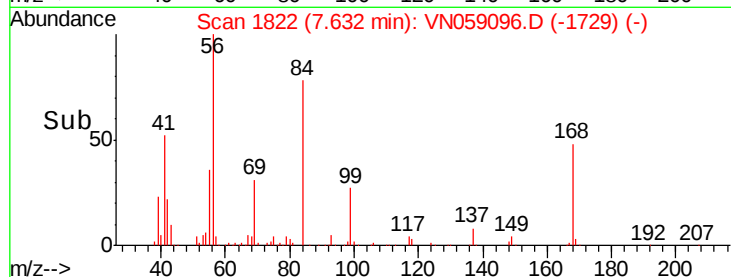
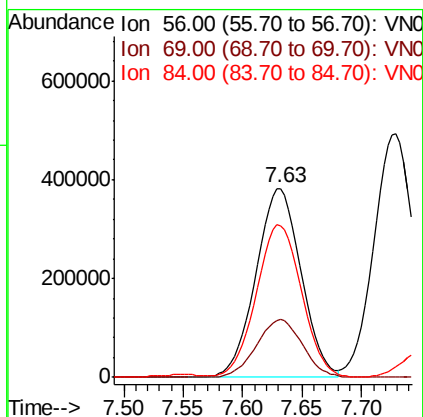
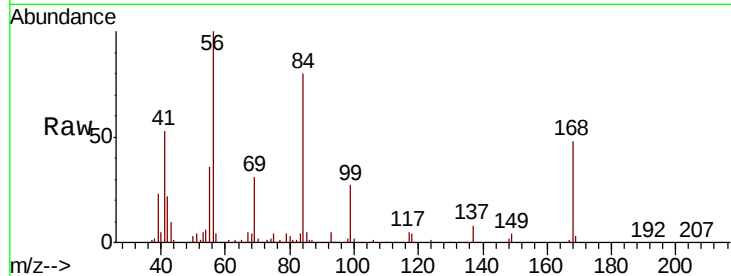




#31
Cyclohexane
Concen: 90.233 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

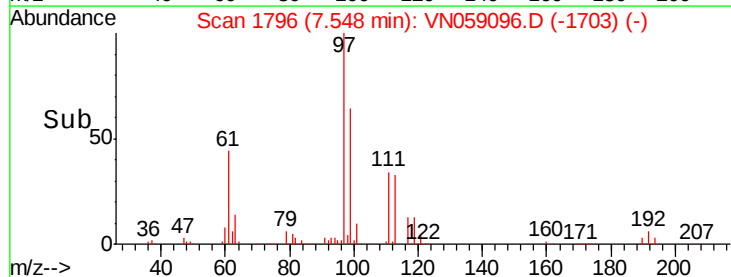
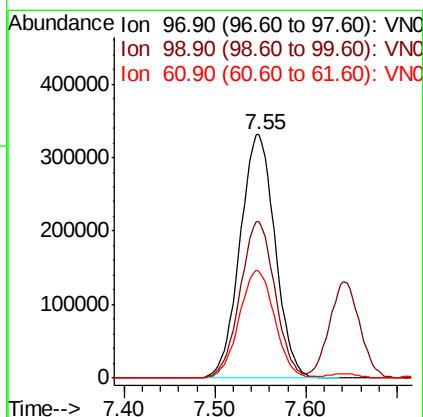
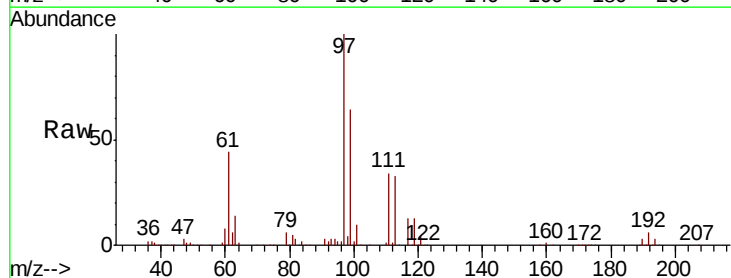
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1005544
Ion Ratio Lower Upper
56 100
69 30.7 25.8 38.8
84 79.1 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 93.529 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 97 Resp: 887200
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 44.7 35.8 53.8

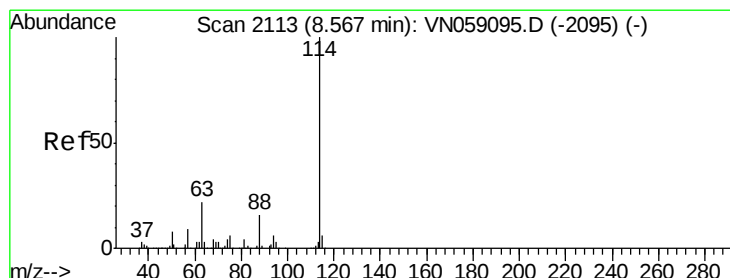
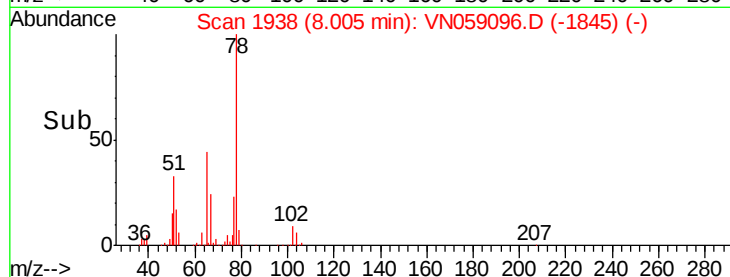
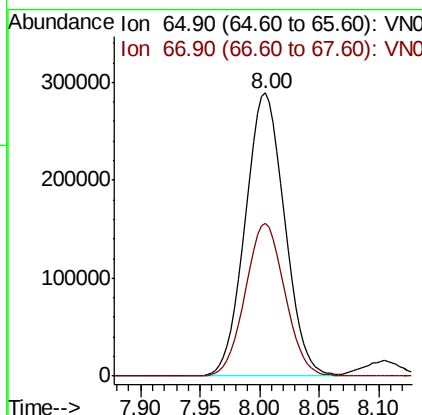
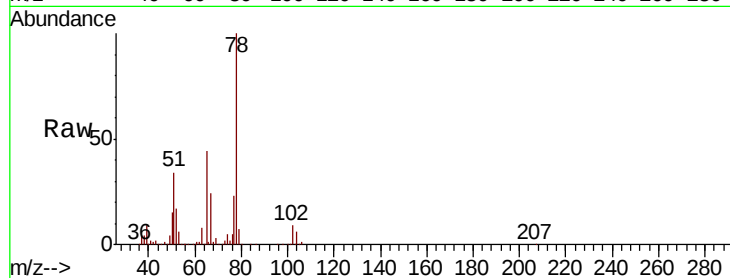




#33
 1,2-Dichloroethane-d4
 Concen: 93.255 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

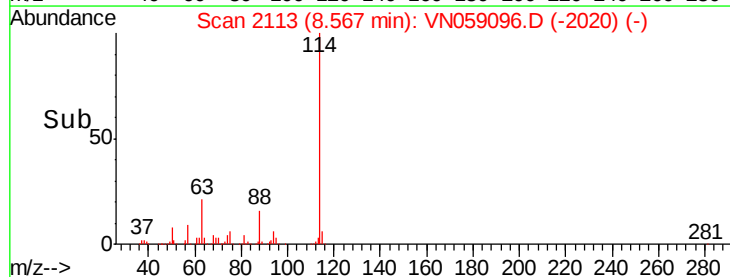
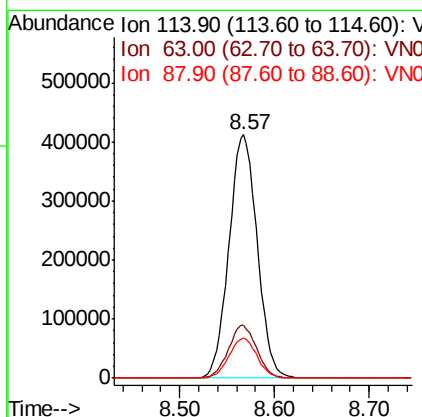
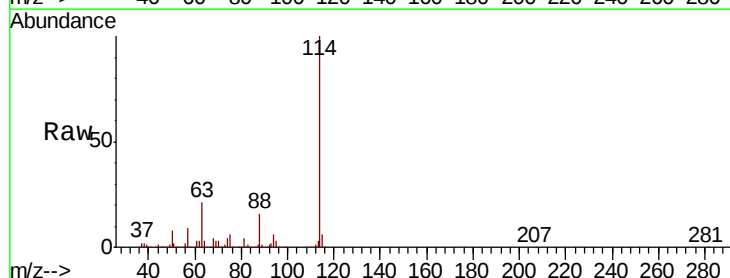
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

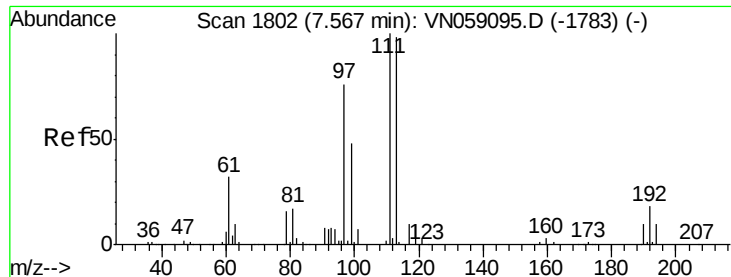
Tot Ion: 65 Resp: 664380
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 114 Resp: 852726
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.5 0.0 32.2

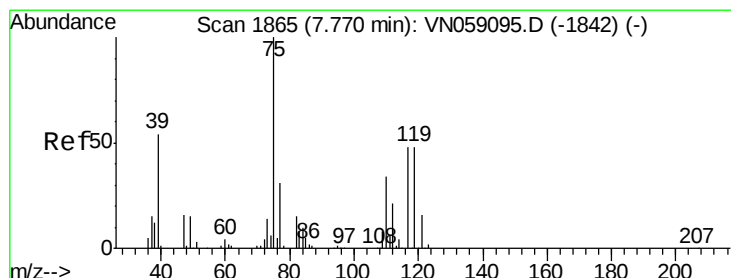
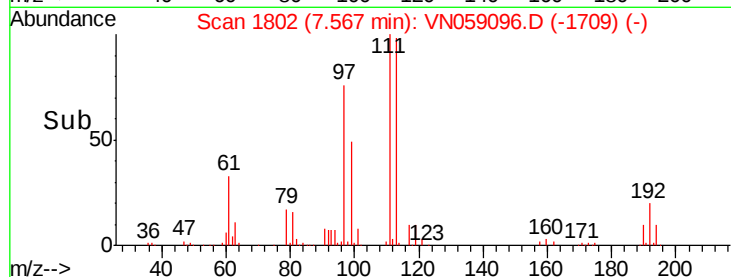
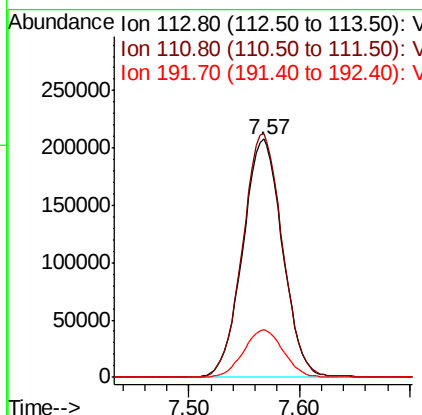
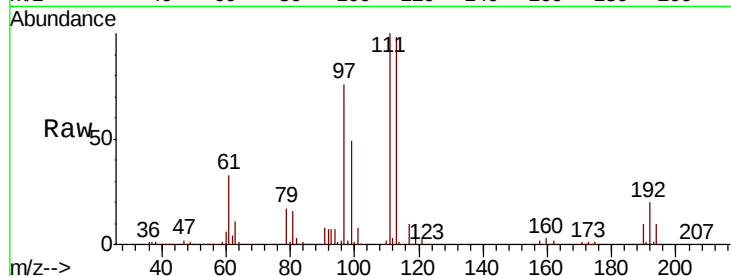




#35
 Dibromofluoromethane
 Concen: 96.194 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

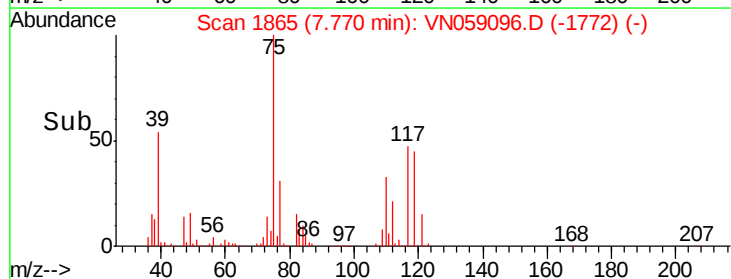
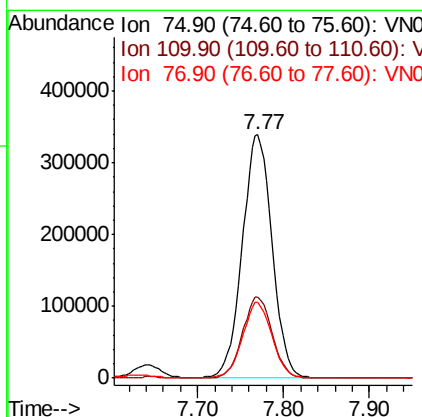
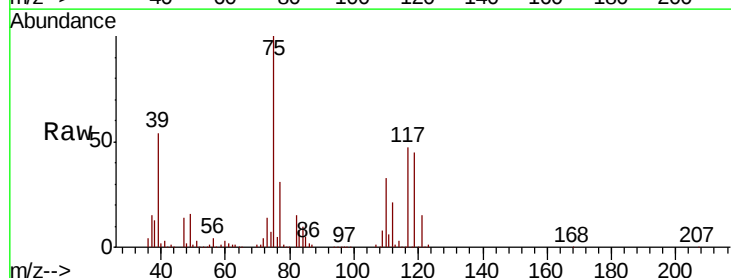
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

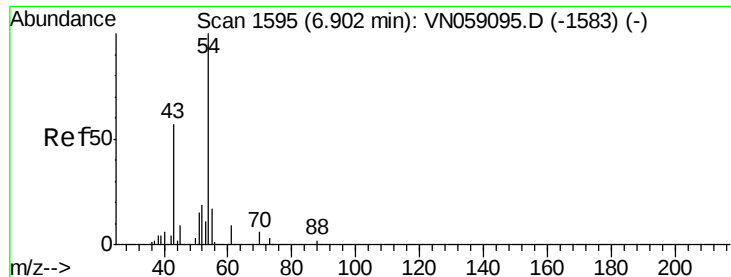
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	20.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 96.601 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.1	51.2
77	31.1	24.8	37.2

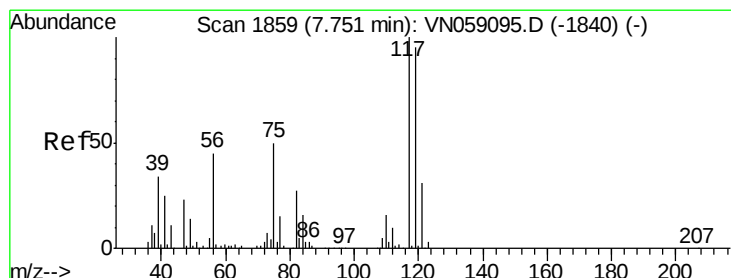
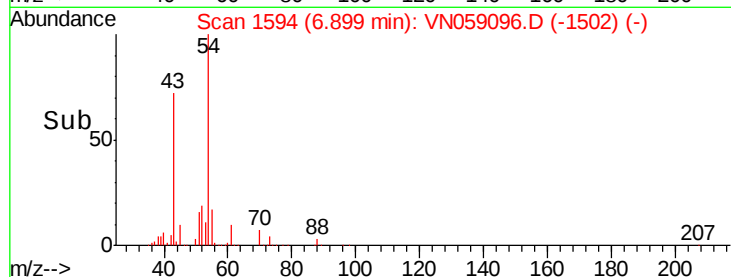
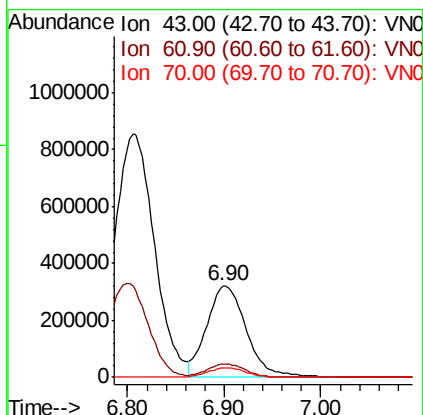
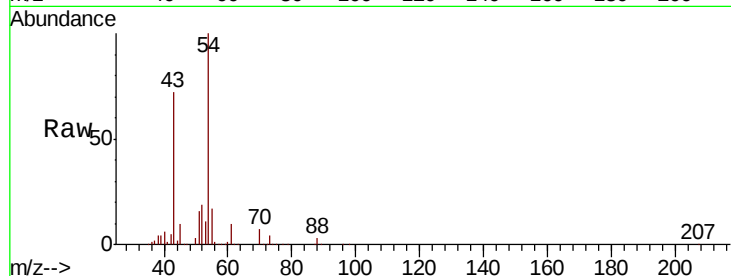




#37
Ethyl Acetate
Concen: 96.422 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

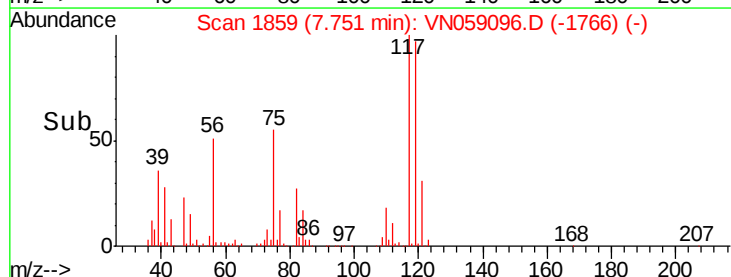
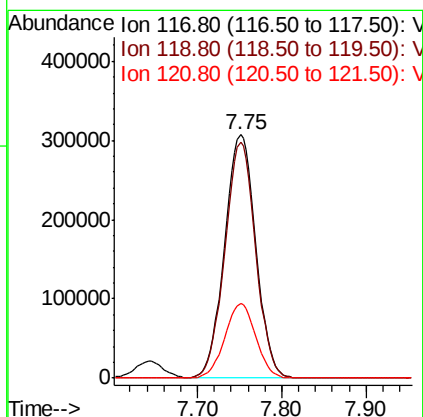
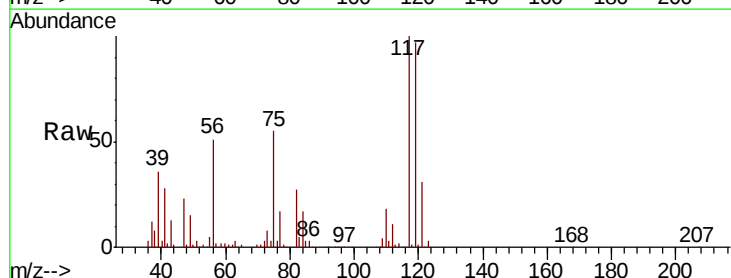
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

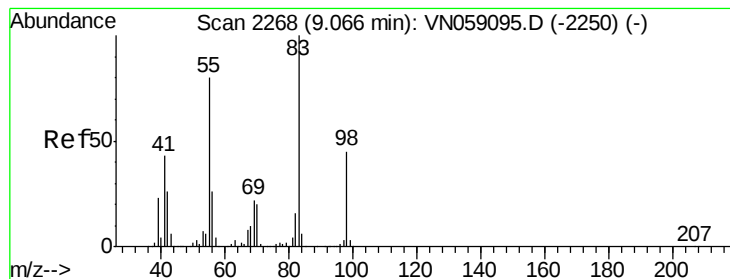
Tot Ion: 43 Resp: 904709
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 95.937 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 117 Resp: 789304
Ion Ratio Lower Upper
117 100
119 96.7 75.6 113.4
121 30.6 24.6 36.8





#39

Methvlcvclohexane

Concen: 101.354 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

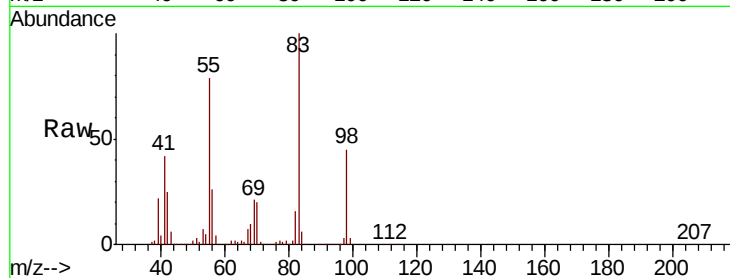
Tot Ion: 83 Resp: 985080

Ion Ratio Lower Upper

83 100

55 78.7 63.9 95.9

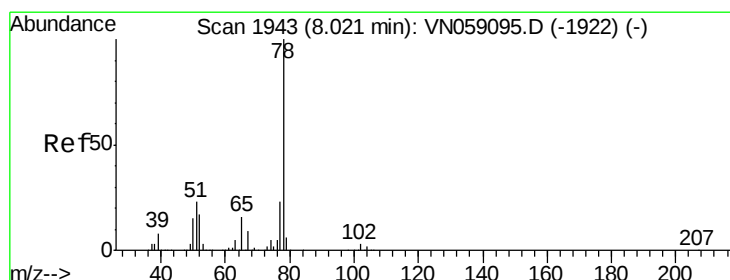
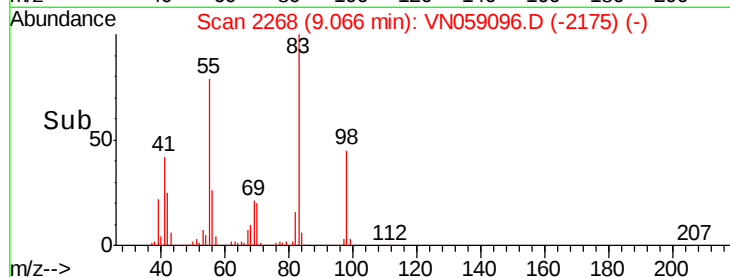
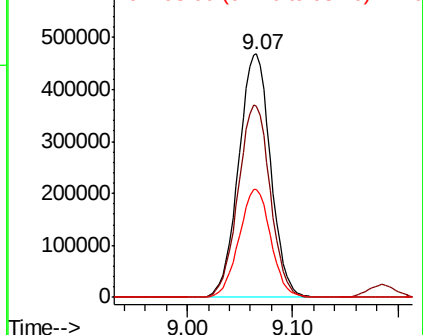
98 44.6 35.6 53.4



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: 95.536 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN059096.D

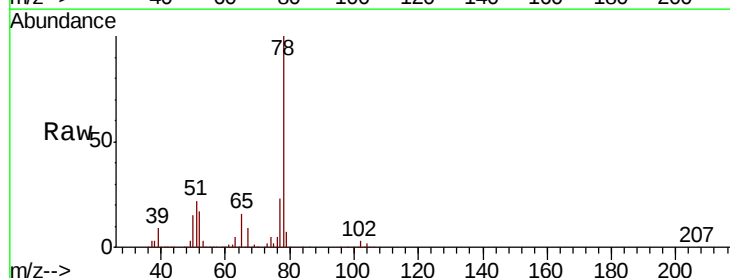
Acq: 6 Nov 2019 10:23

Tgt Ion: 78 Resp: 2397194

Ion Ratio Lower Upper

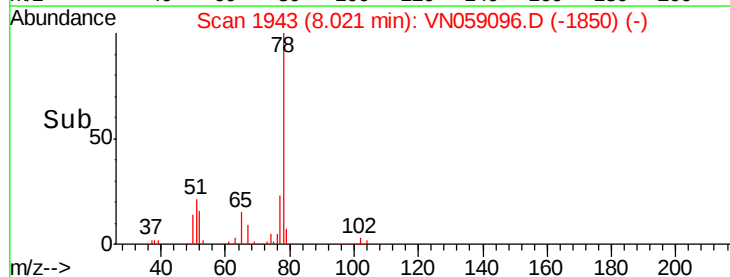
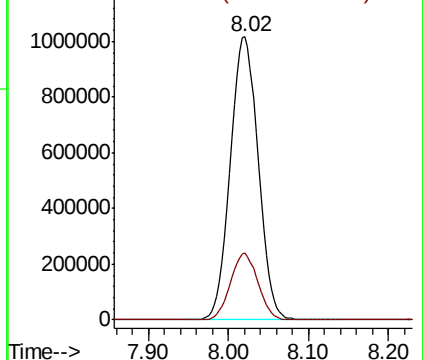
78 100

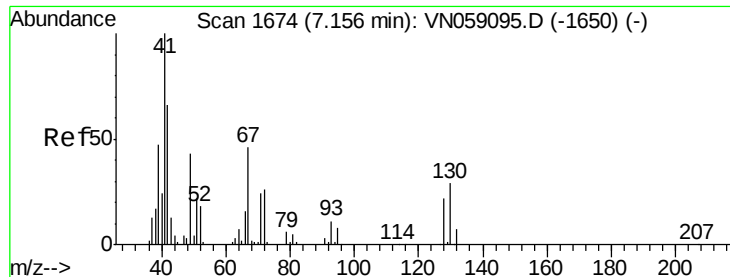
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



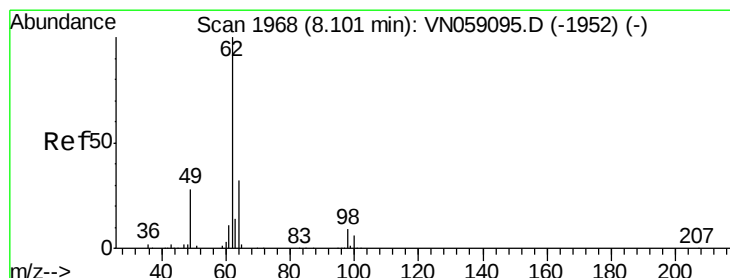
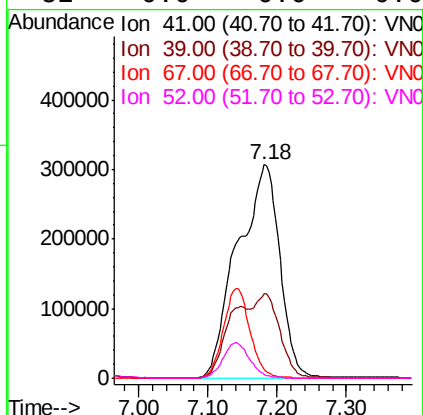
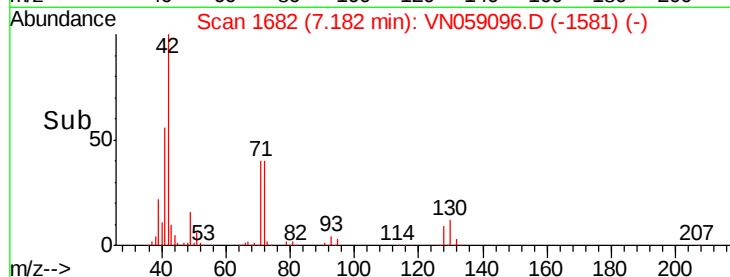
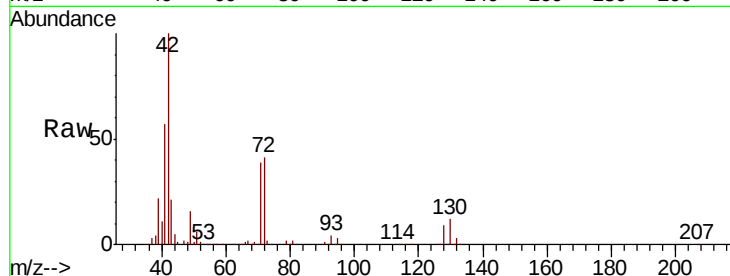


#41
Methacrylonitrile
Concen: 317.985 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 1296865

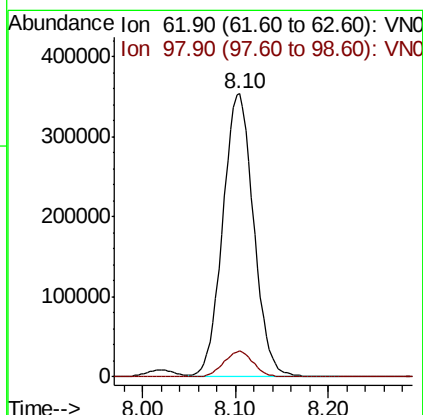
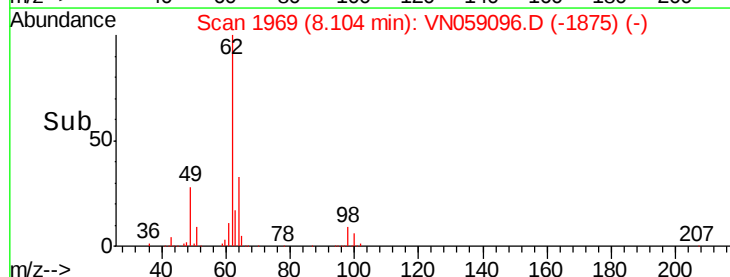
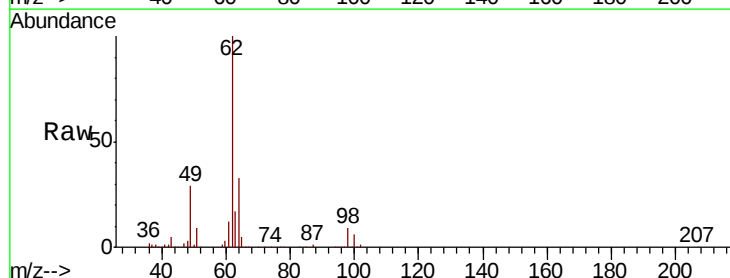
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

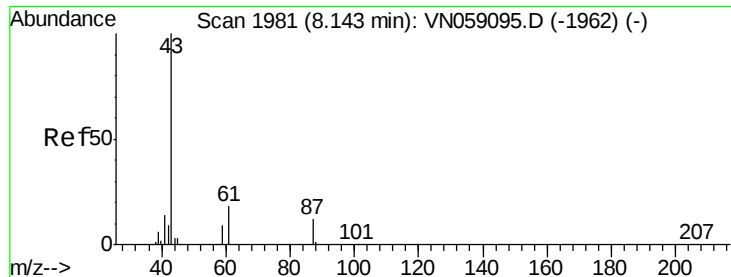


#42
1,2-Dichloroethane
Concen: 93.463 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 62 Resp: 814956

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 100.660 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

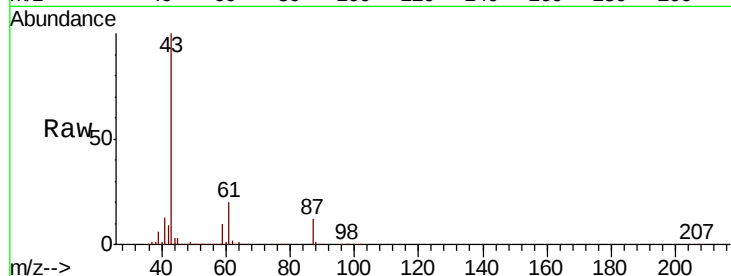
Tot Ion: 43 Resp: 1473724

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.6

87 12.4 9.8 14.6

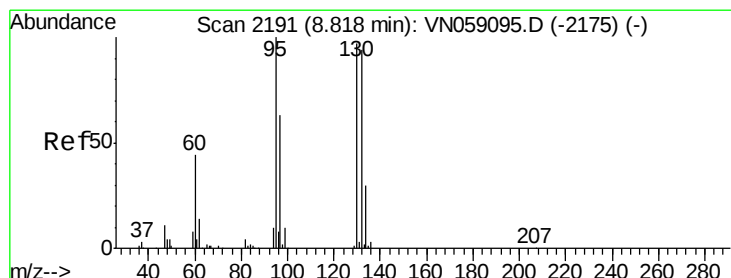
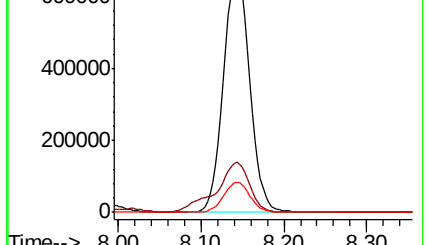
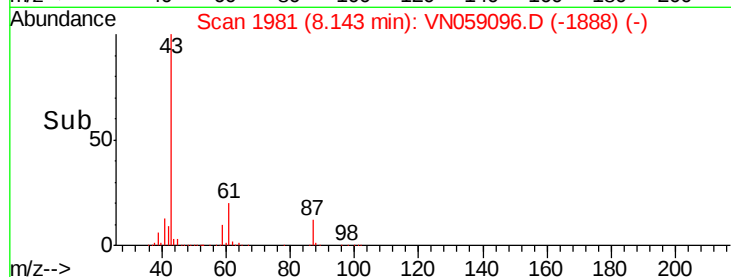


Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

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

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

8.14



#44

Trichloroethene

Concen: 94.945 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059096.D

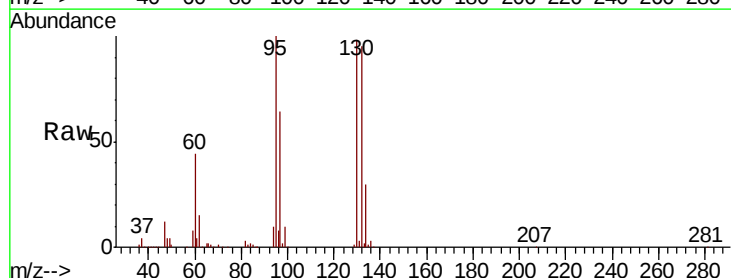
Acq: 6 Nov 2019 10:23

Tgt Ion:130 Resp: 586833

Ion Ratio Lower Upper

130 100

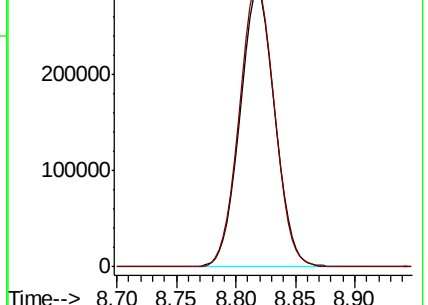
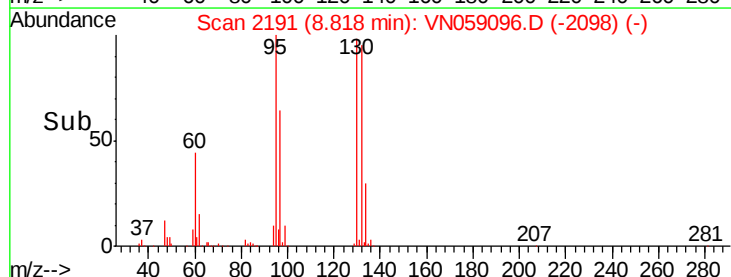
95 101.9 0.0 206.4

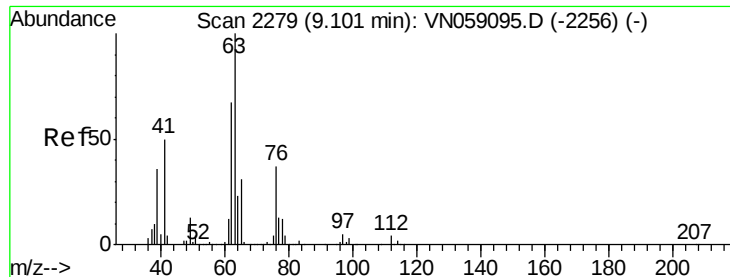


Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

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

8.82





#45

1,2-Dichloropropane

Concen: 96.718 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

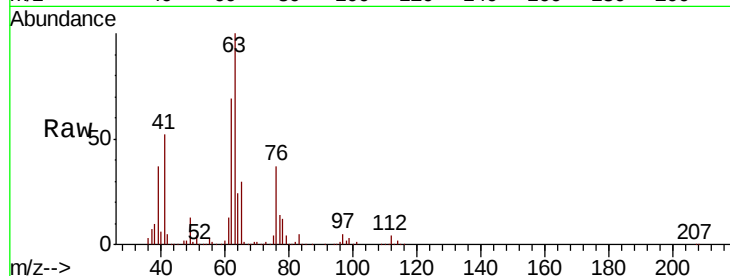
VSTDIC100

Tot Ion: 63 Resp: 656984

Ion Ratio Lower Upper

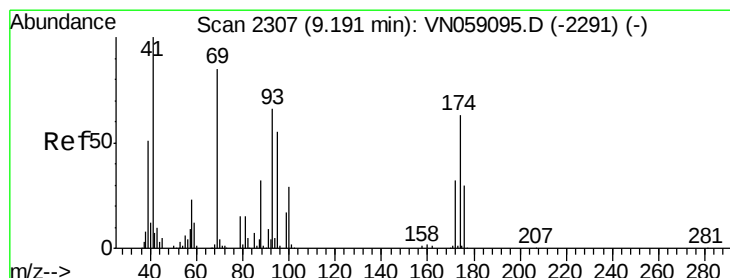
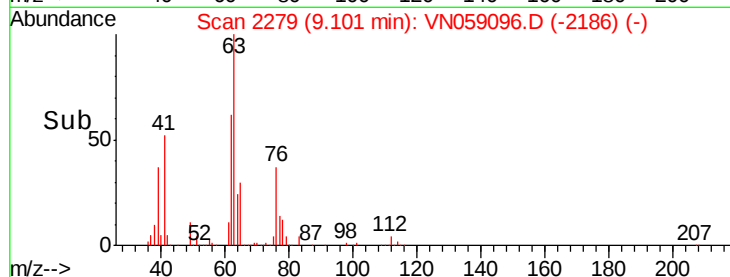
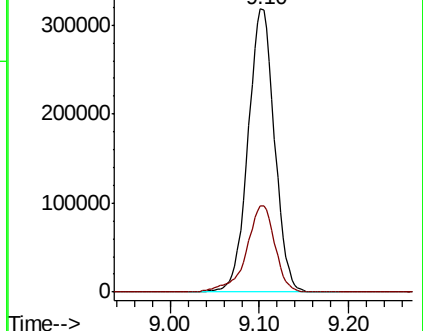
63 100

65 30.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059095.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059095.D (-2256) (-)



#46

Dibromomethane

Concen: 94.885 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

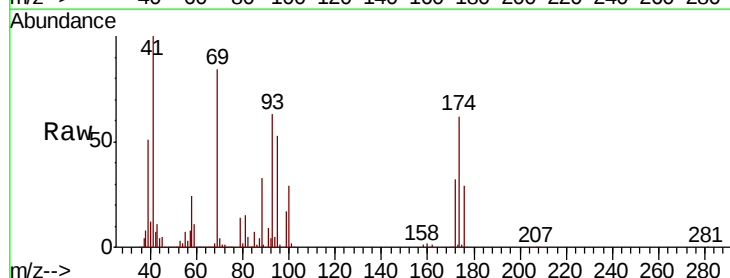
Tgt Ion: 93 Resp: 397853

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

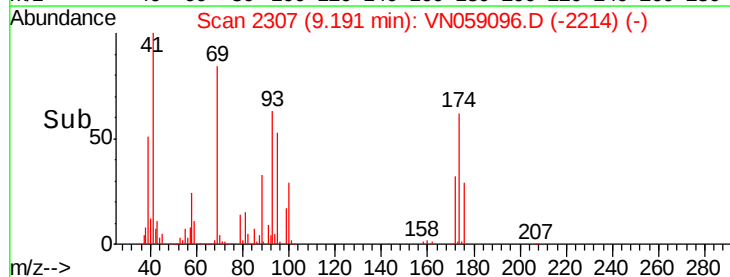
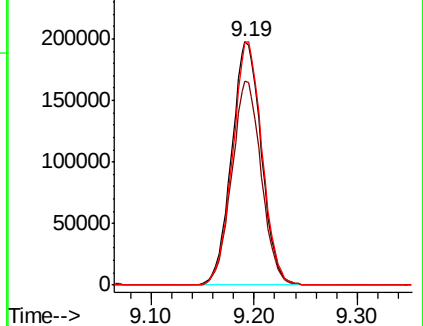
174 99.0 78.2 117.2

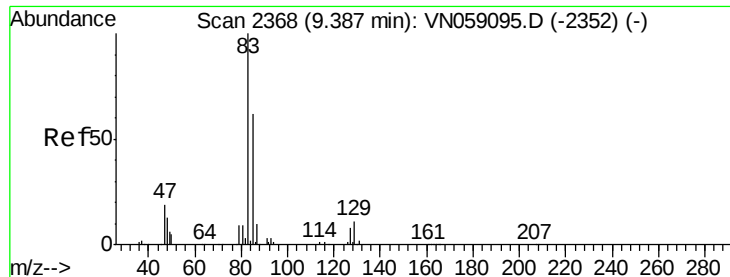


Abundance Ion 92.80 (92.50 to 93.50): VN059095.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059095.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059095.D (-2291) (-)





#47

Bromodichloromethane

Concen: 97.281 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

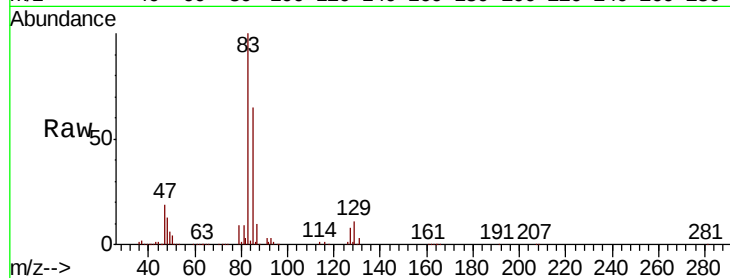
Tot Ion: 83 Resp: 827643

Ion Ratio Lower Upper

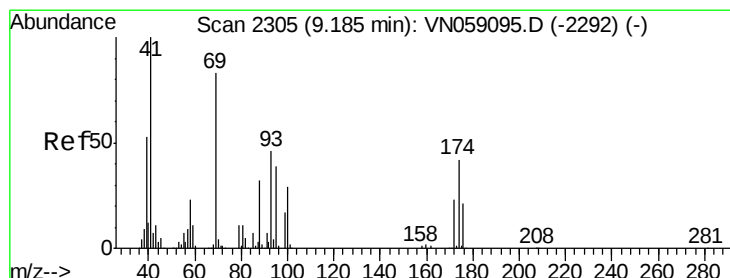
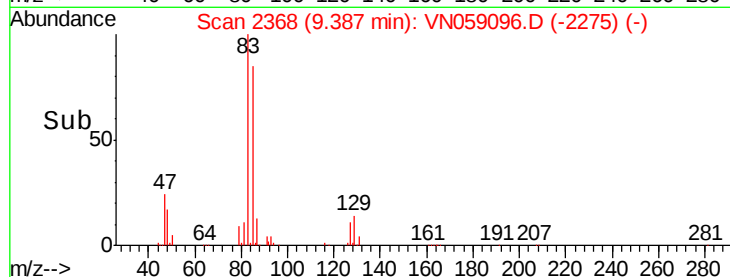
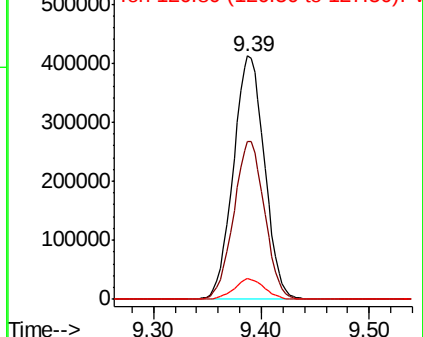
83 100

85 65.0 49.7 74.5

127 8.4 6.4 9.6



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



#48

Methyl methacrylate

Concen: 102.174 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

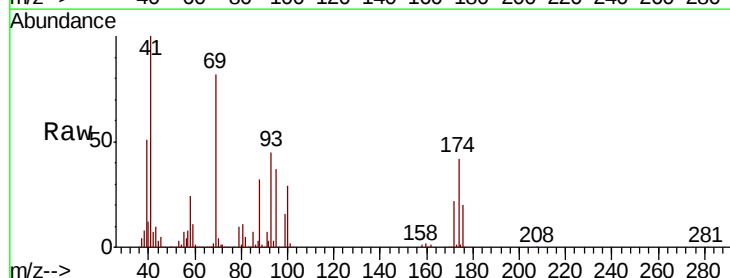
Tgt Ion: 41 Resp: 682443

Ion Ratio Lower Upper

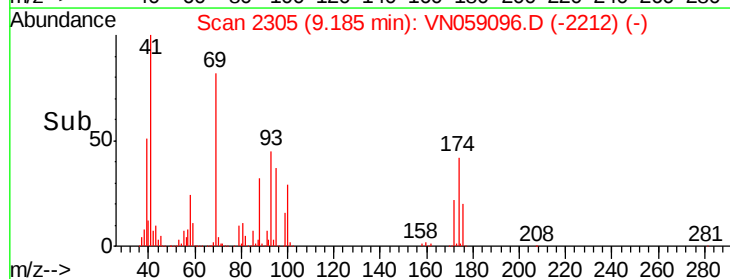
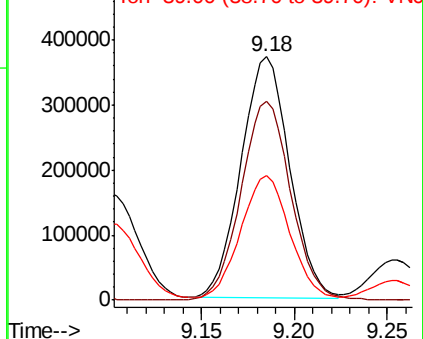
41 100

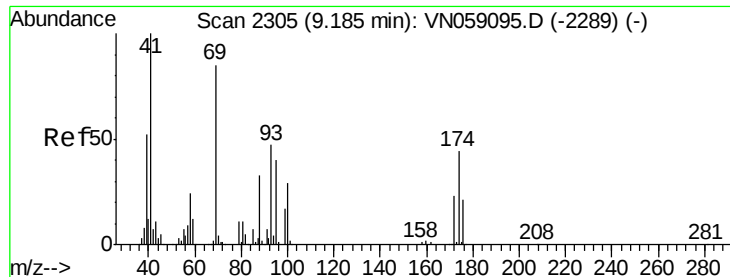
69 84.5 67.3 100.9

39 52.0 43.3 64.9



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





#49

1,4-Dioxane

Concen: 2278.546 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

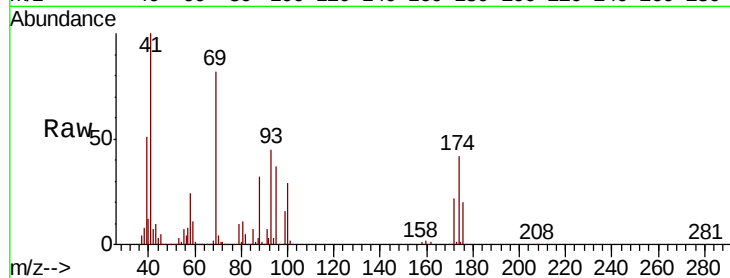
Tot Ion: 88 Resp: 246626

Ion Ratio Lower Upper

88 100

43 32.1 26.3 39.5

58 73.4 60.6 90.8

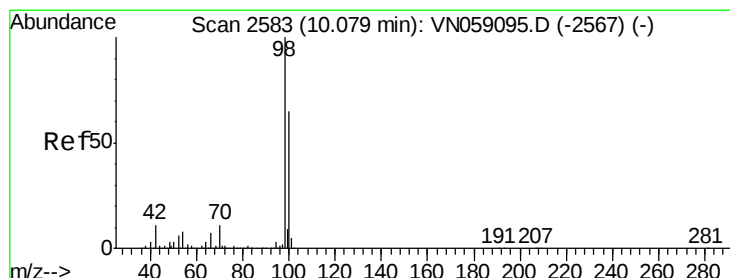
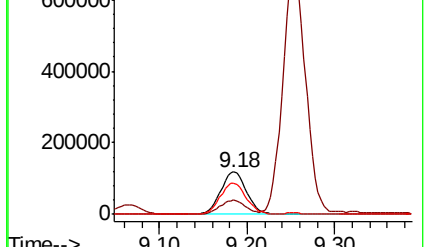
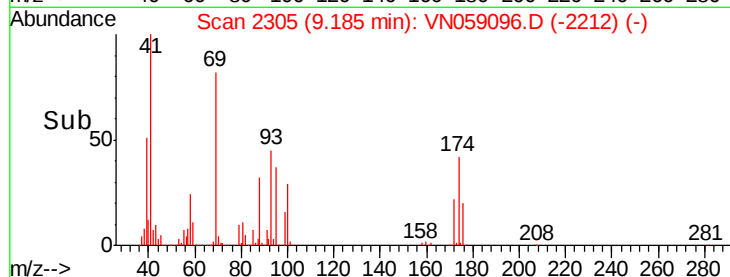


Abundance Ion 88.00 (87.70 to 88.70): VN059095.D (-2289) (-)

Ion 43.00 (42.70 to 43.70): VN059095.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2289) (-)

Time-->



#50

Toluene-d8

Concen: 98.358 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059096.D

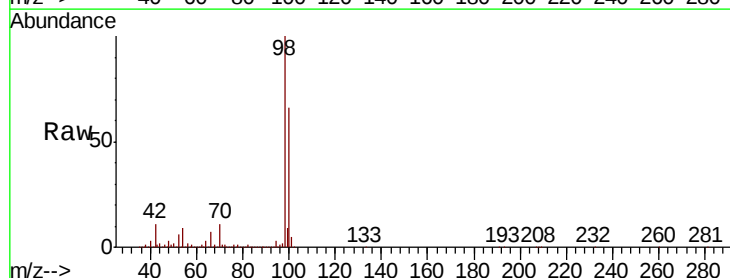
Acq: 6 Nov 2019 10:23

Tgt Ion: 98 Resp: 2058982

Ion Ratio Lower Upper

98 100

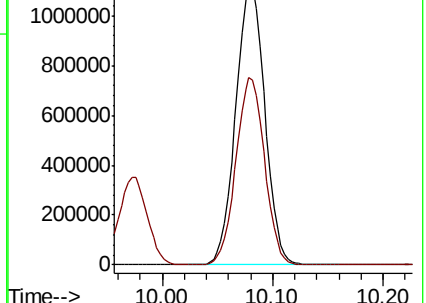
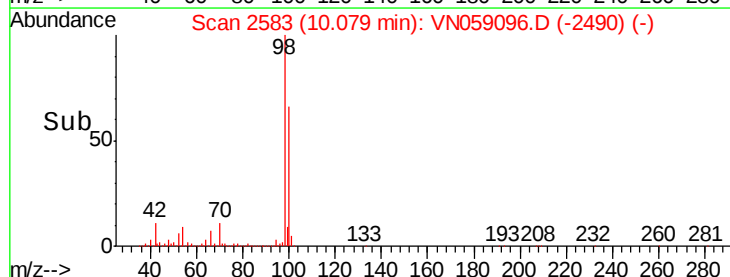
100 65.6 52.2 78.2

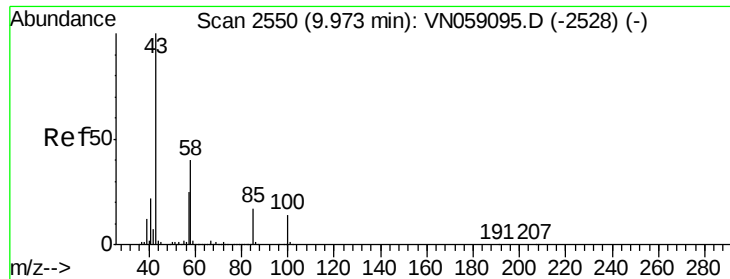


Abundance Ion 98.00 (97.70 to 98.70): VN059095.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059095.D (-2567) (-)

Time-->

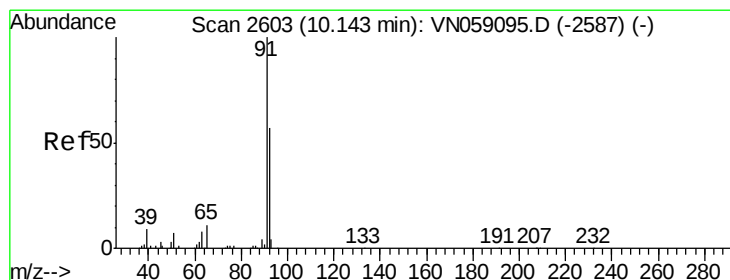
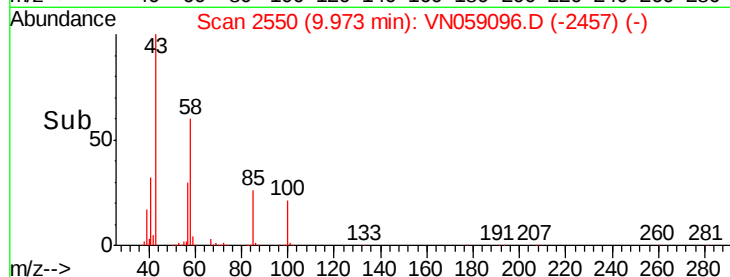
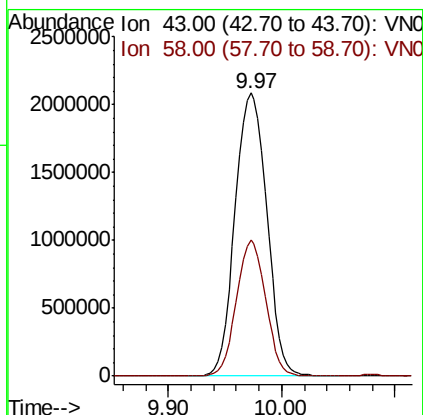
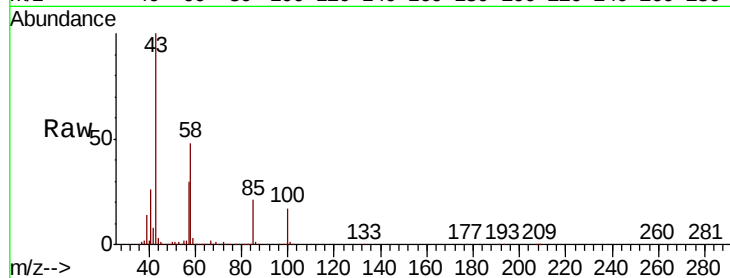




#51
 4-Methyl-2-Pentanone
 Concen: 478.956 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

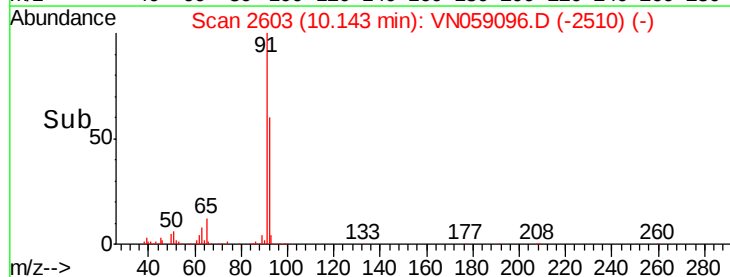
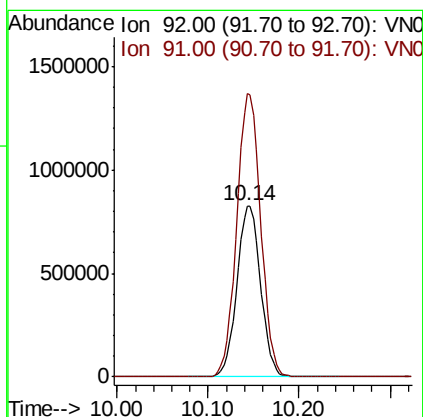
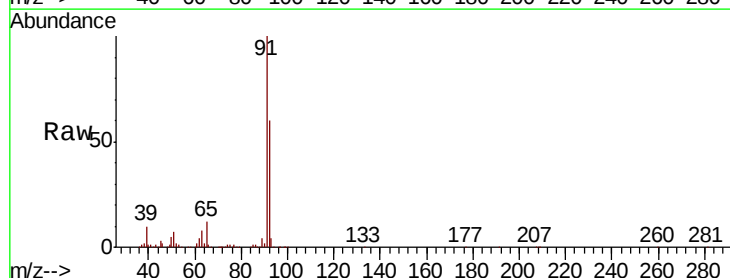
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 4085323
 Ion Ratio Lower Upper
 43 100
 58 44.3 31.5 47.3



#52
 Toluene
 Concen: 101.175 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 92 Resp: 1484987
 Ion Ratio Lower Upper
 92 100
 91 168.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 99.770 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

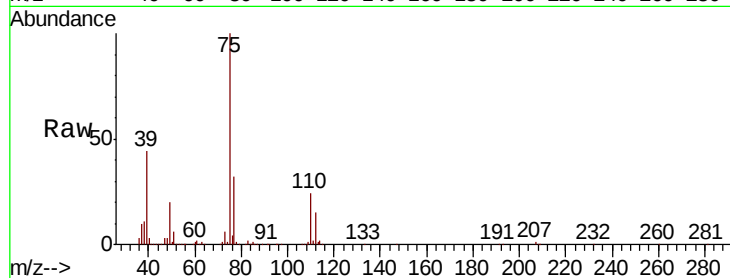
VSTDIC100

Tot Ion: 75 Resp: 978781

Ion Ratio Lower Upper

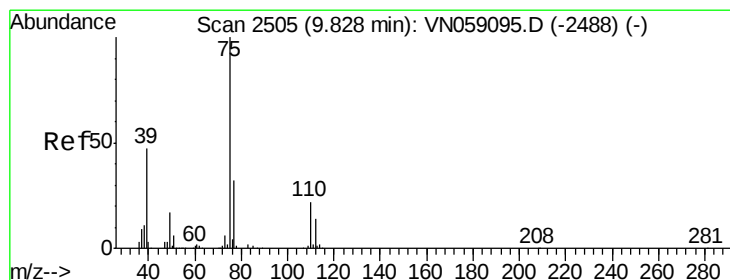
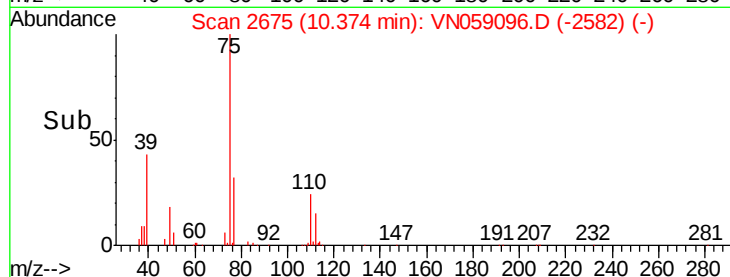
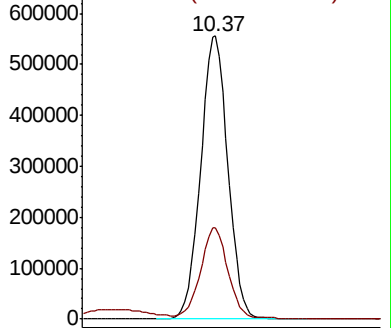
75 100

77 31.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 101.790 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

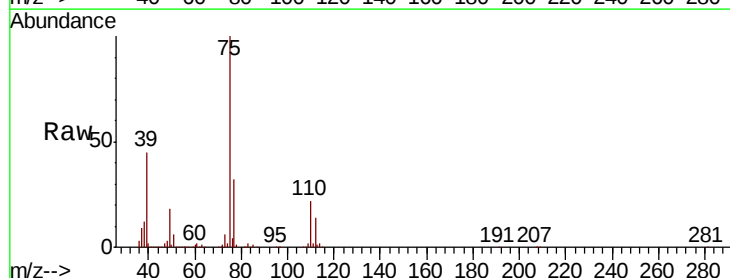
Tgt Ion: 75 Resp: 1052301

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

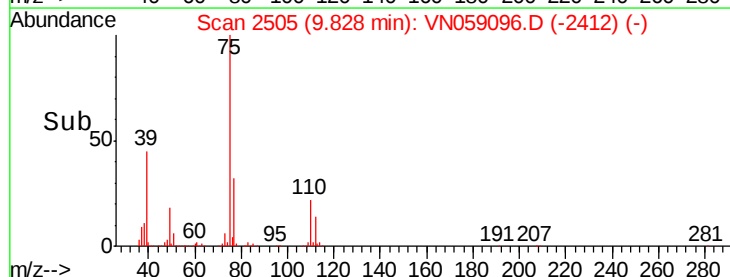
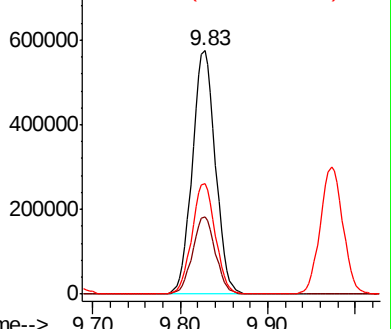
39 45.3 37.3 55.9

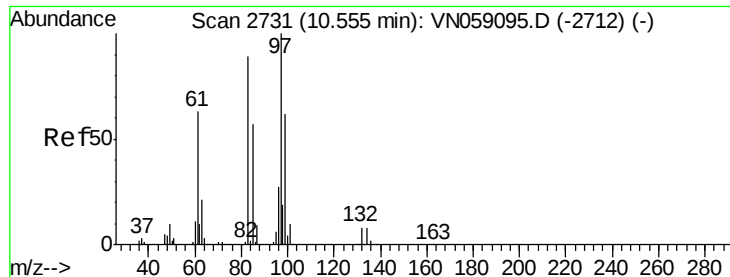


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 95.941 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 575717

Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.9	45.8	68.8
99	61.8	49.4	74.0

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.55

300000

200000

100000

0

Time-->

10.45 10.50 10.55 10.60

Abundance

Scan 2731 (10.555 min): VN059096.D (-2638) (-)

Sub 50

m/z-->

40 60 80 100 120 140 160 180 200 220 240 260 280

Abundance

Scan 2689 (10.419 min): VN059095.D (-2675) (-)

Ref 50

m/z-->

40 60 80 100 120 140 160 180 200 220 240 260 280

Abundance

Scan 2689 (10.419 min): VN059096.D (-2596) (-)

Sub 50

m/z-->

40 60 80 100 120 140 160 180 200 220 240 260 280

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.42

800000

600000

400000

200000

0

Time-->

10.30 10.40 10.50

Abundance

Scan 2689 (10.419 min): VN059096.D (-2596) (-)

Sub 50

m/z-->

40 60 80 100 120 140 160 180 200 220 240 260 280

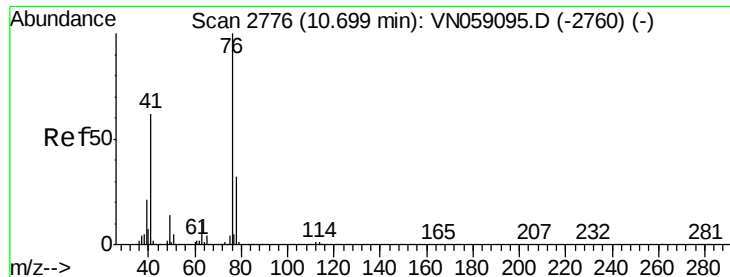
Abundance

Scan 2689 (10.419 min): VN059096.D (-2596) (-)

Sub 50

m/z-->

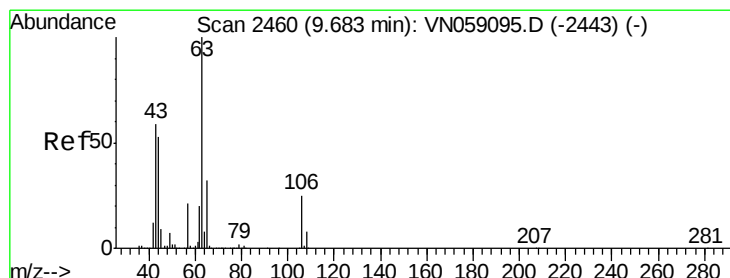
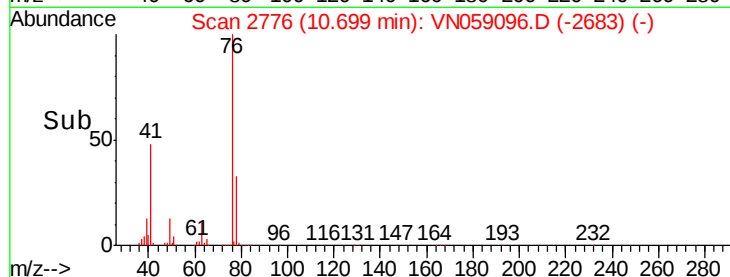
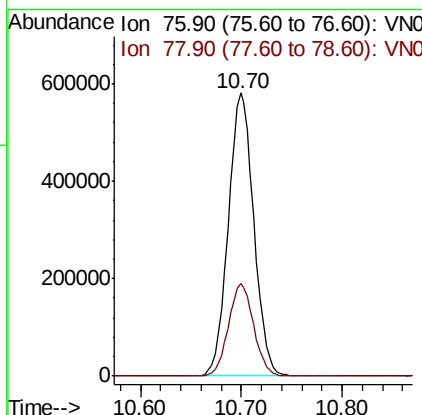
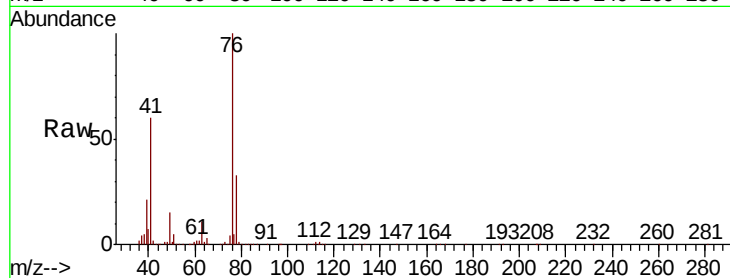
40 60 80 100 120 140 160 180 200 220 240 260 280



#57
 1,3-Dichloropropane
 Concen: 98.067 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

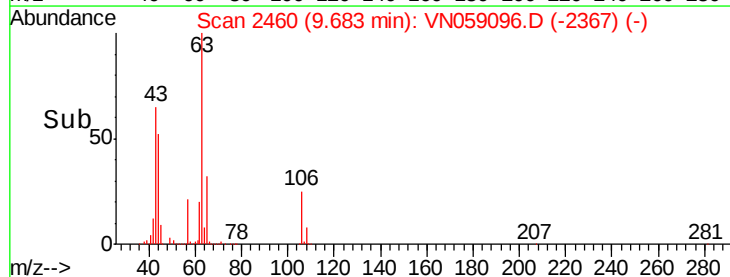
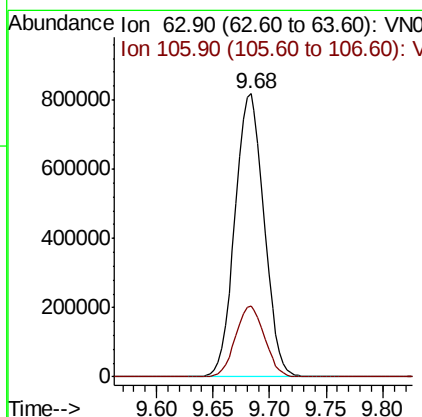
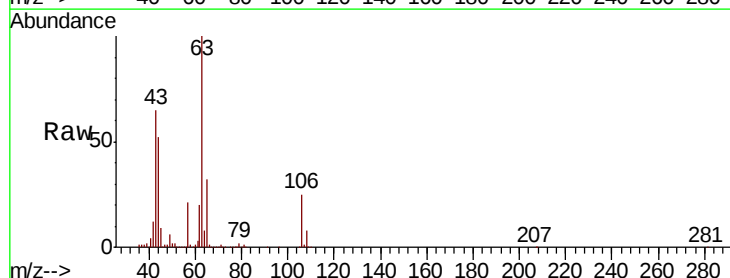
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

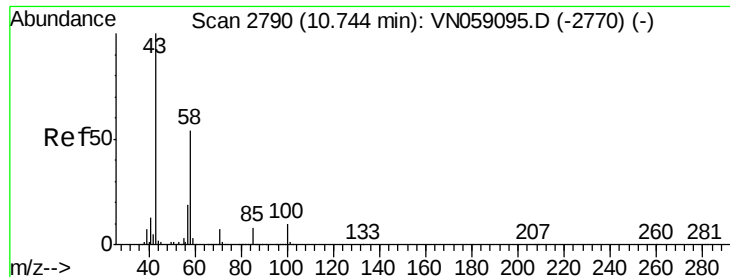
Tot Ion: 76 Resp: 1021956
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 410.468 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 63 Resp: 1469781
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.2 30.2

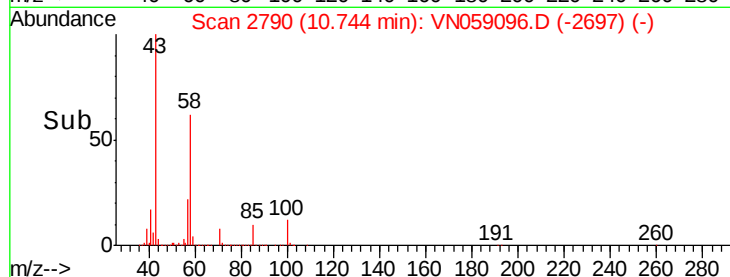
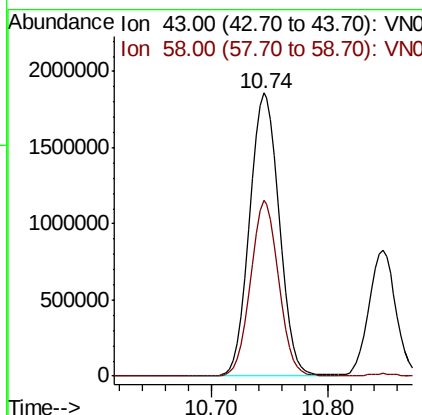
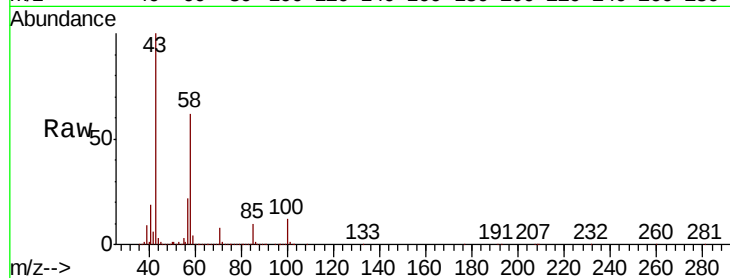




#59
2-Hexanone
Concen: 512.977 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

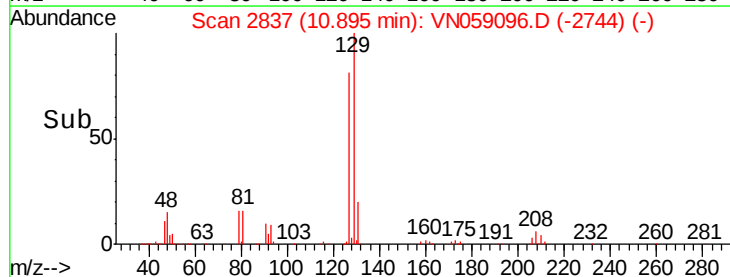
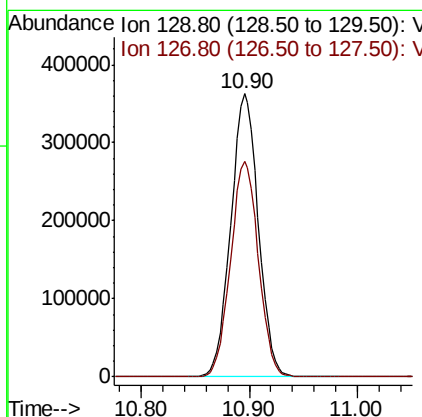
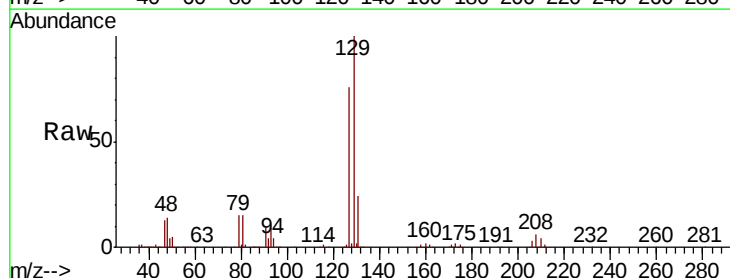
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

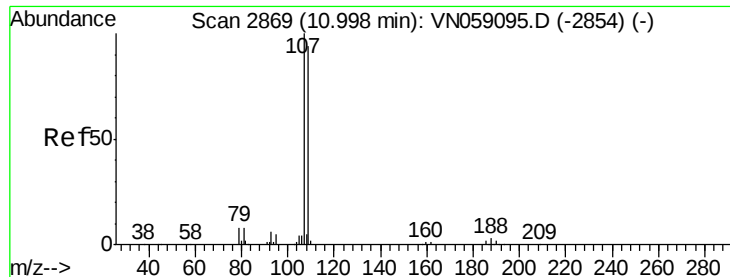
Tot Ion: 43 Resp: 3323991
Ion Ratio Lower Upper
43 100
58 58.8 27.3 81.8



#60
Dibromochloromethane
Concen: 100.129 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 129 Resp: 645234
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

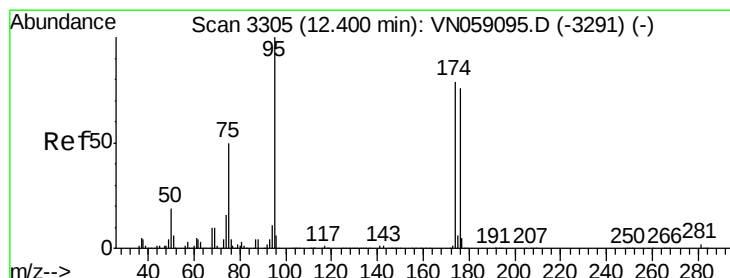
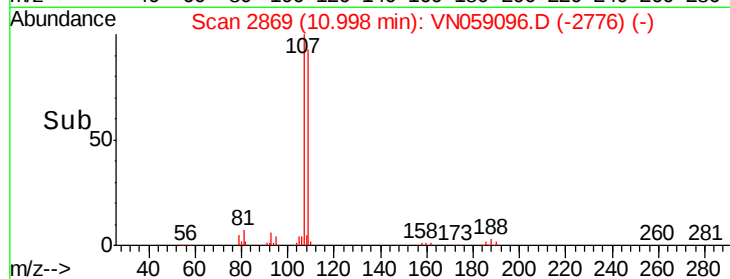
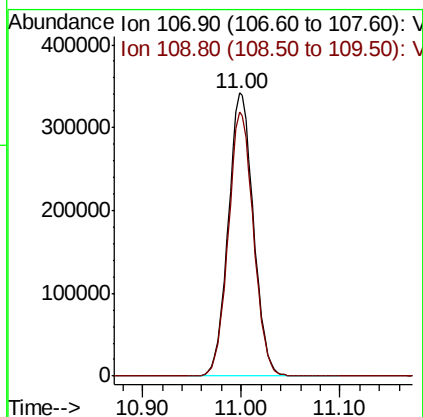
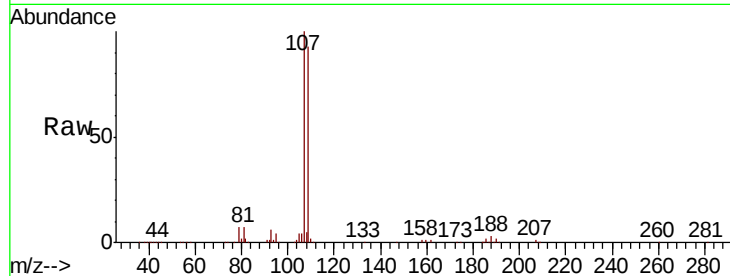




#61
 1,2-Dibromoethane
 Concen: 100.620 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

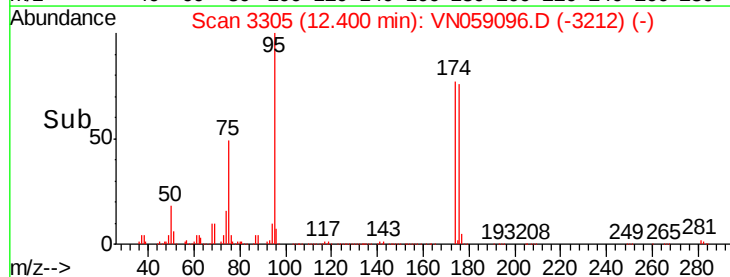
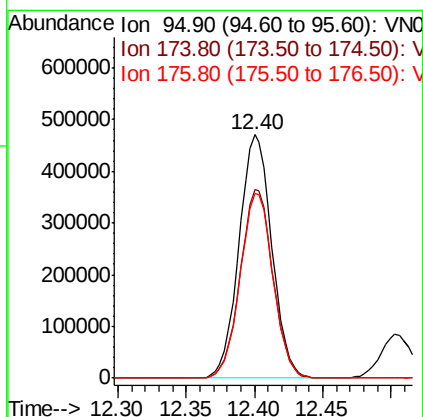
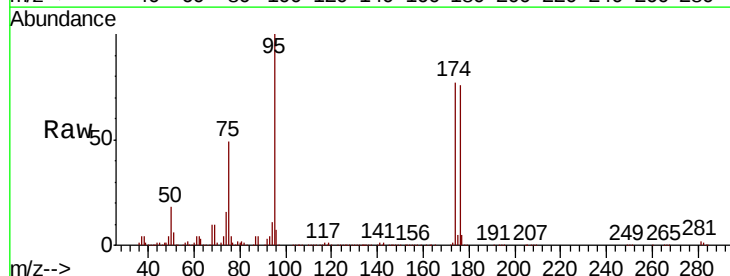
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 609683
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 104.306 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 95 Resp: 782198
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 158.2
 176 76.2 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: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

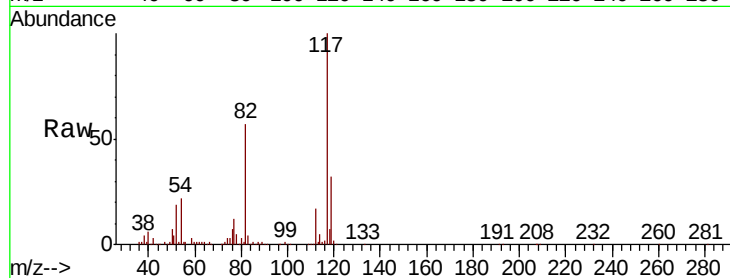
Tot Ion:117 Resp: 790073

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

119 32.4 25.8 38.6

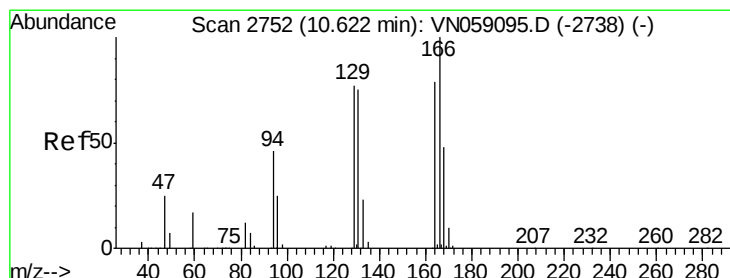
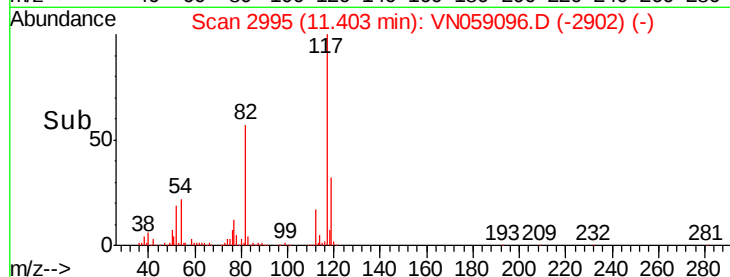
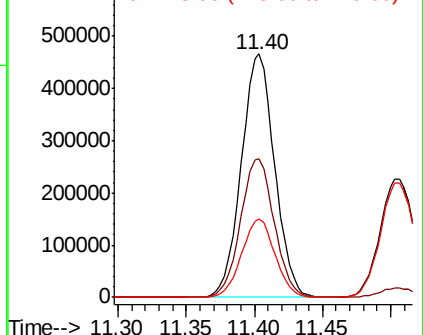


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 94.147 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion:164 Resp: 519262

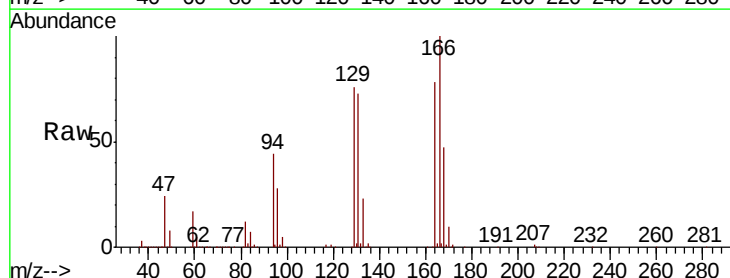
Ion Ratio Lower Upper

164 100

166 128.1 101.5 152.3

129 97.4 78.3 117.5

131 93.4 75.9 113.9



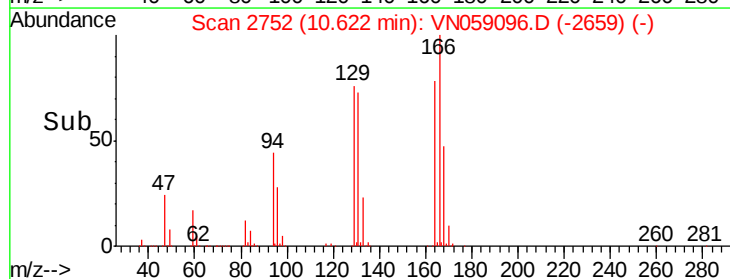
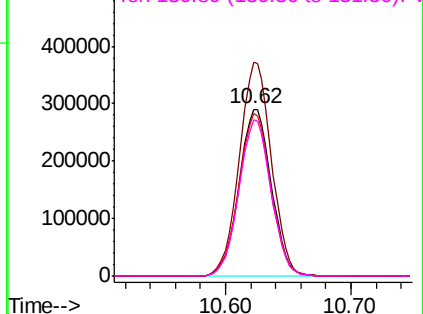
Abundance

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: 95.526 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

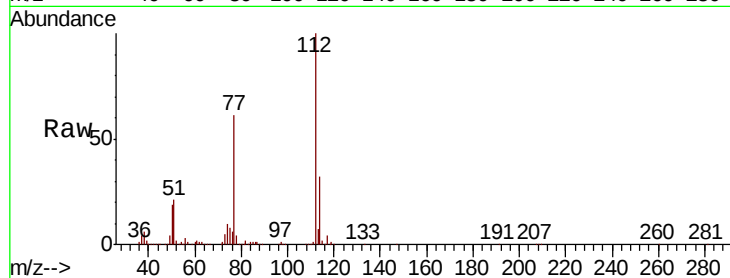
VSTDIC100

Tot Ion:112 Resp: 1543461

Ion Ratio Lower Upper

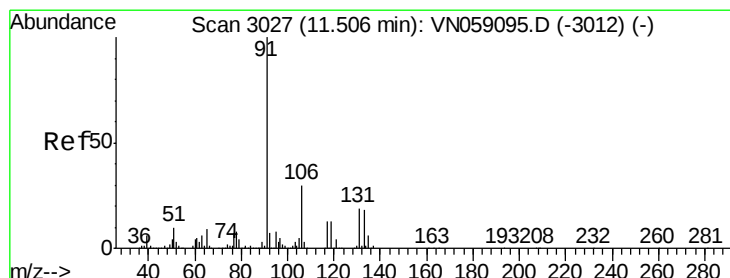
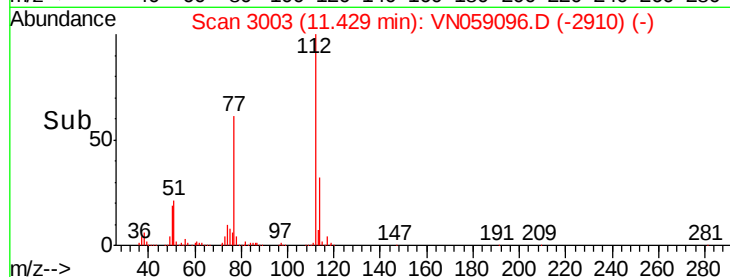
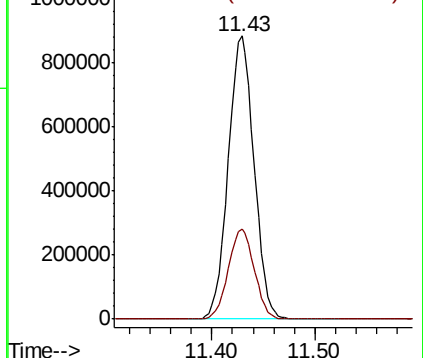
112 100

114 31.9 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 96.762 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

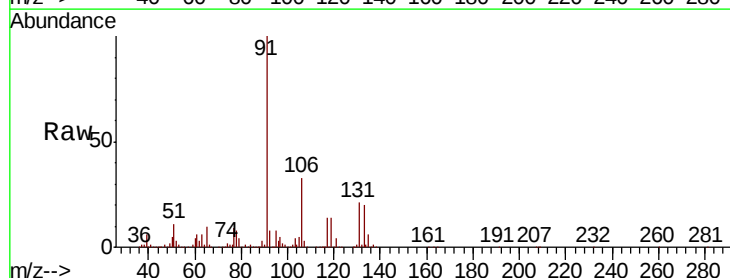
Tgt Ion:131 Resp: 576084

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

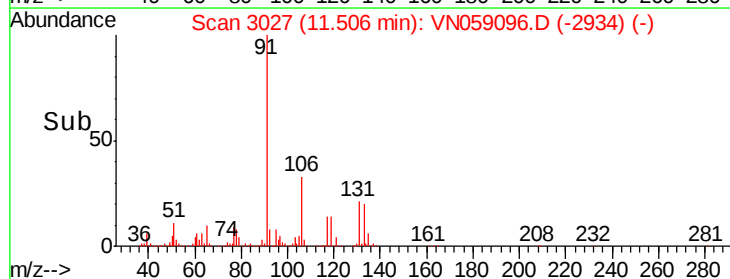
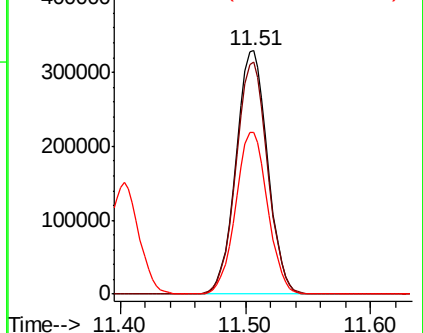
119 67.1 33.2 99.6



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





#67

Ethyl Benzene

Concen: 98.429 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

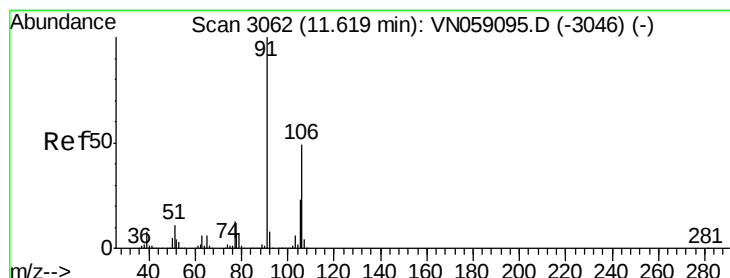
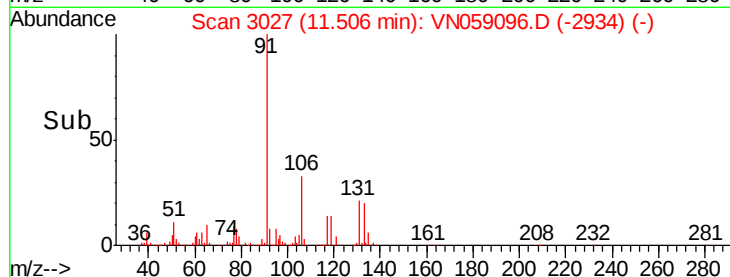
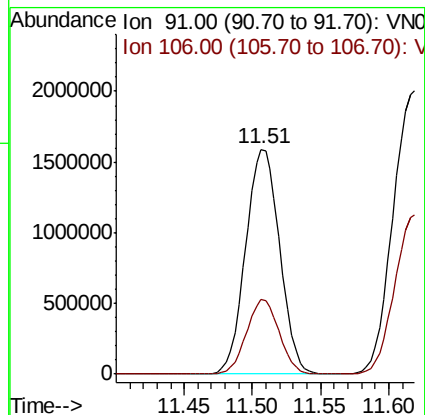
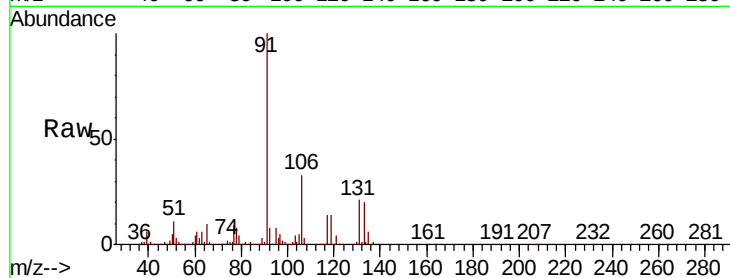
VSTDIC100

Tot Ion: 91 Resp: 2752093

Ion Ratio Lower Upper

91 100

106 33.0 24.1 36.1



#68

m/p-Xylenes

Concen: 204.174 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059096.D

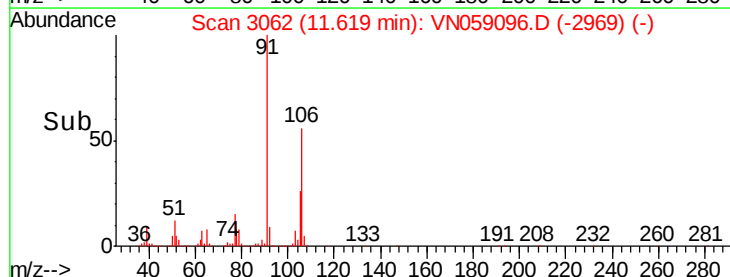
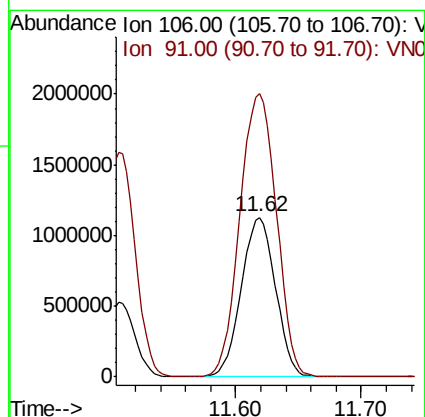
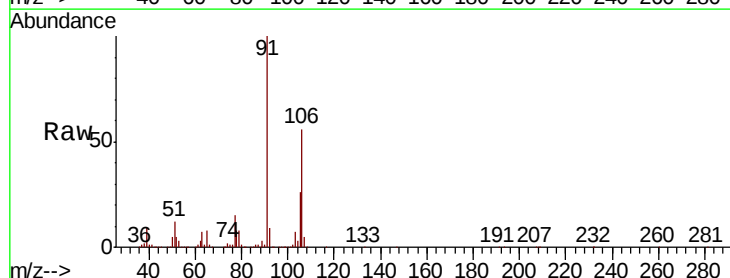
Acq: 6 Nov 2019 10:23

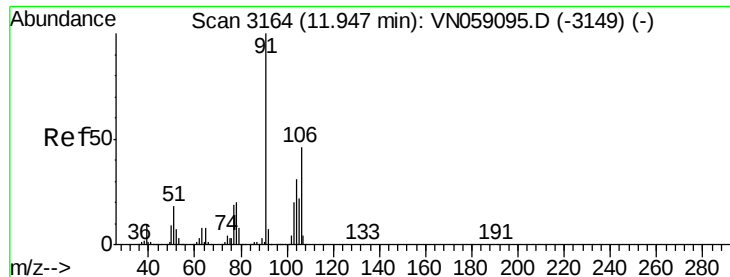
Tgt Ion: 106 Resp: 2134812

Ion Ratio Lower Upper

106 100

91 190.1 164.7 247.1

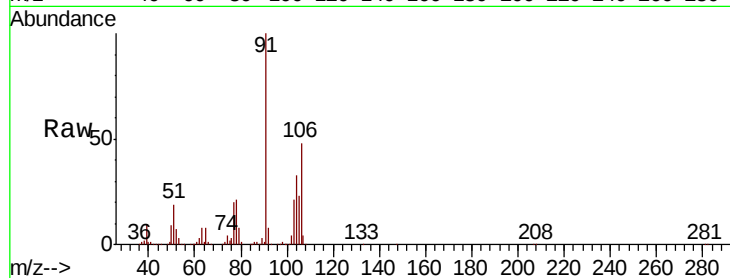




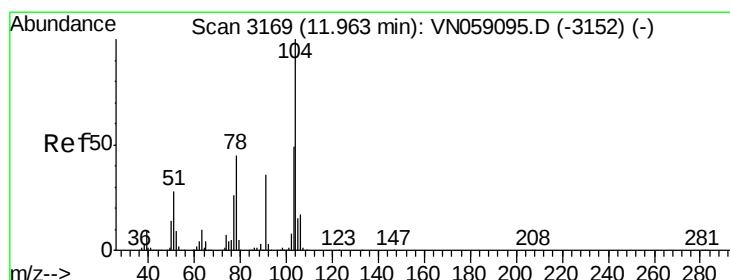
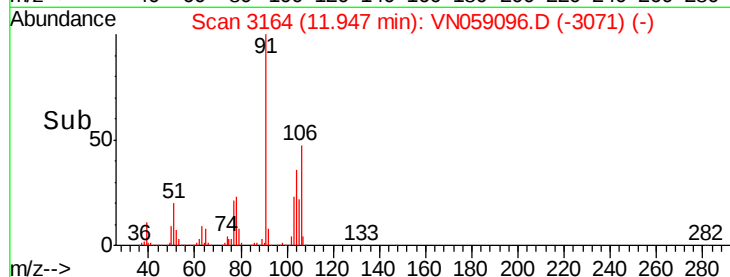
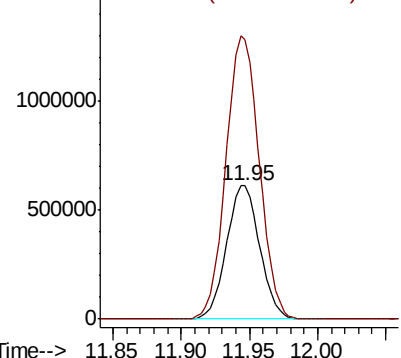
#69
o-Xylene
Concen: 103.174 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1029312
Ion Ratio Lower Upper
106 100
91 213.8 110.1 330.3

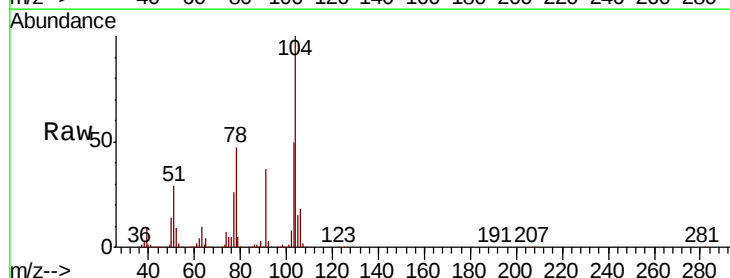


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

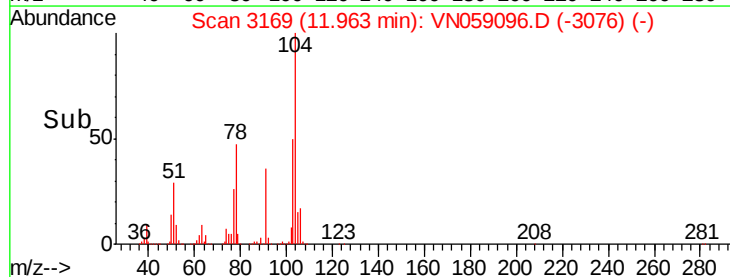
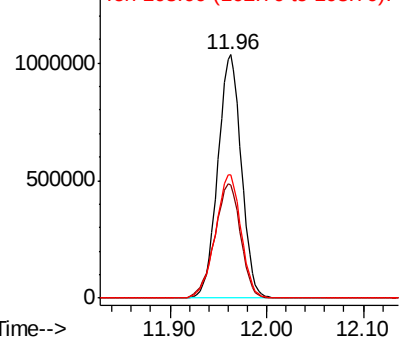


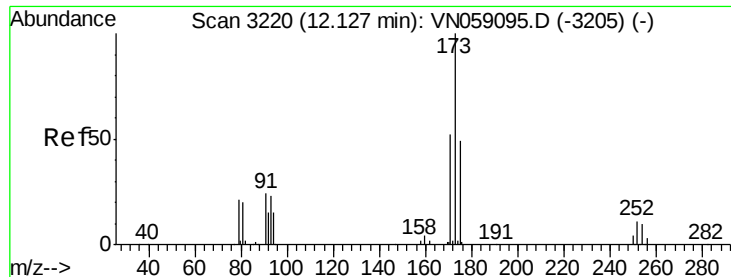
#70
Styrene
Concen: 108.220 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion:104 Resp: 1746272
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.1 43.8 65.6



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





#71

Bromoform

Concen: 104.980 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

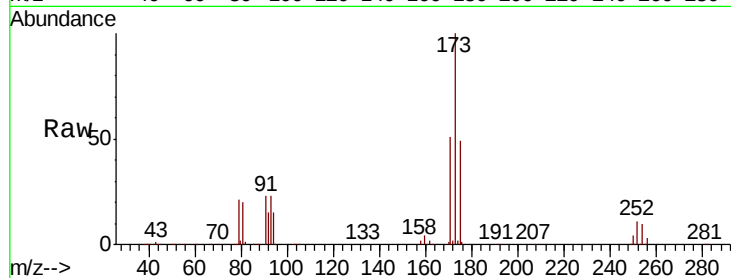
Tot Ion:173 Resp: 483210

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

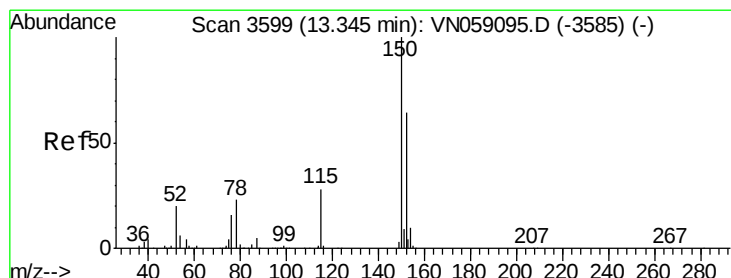
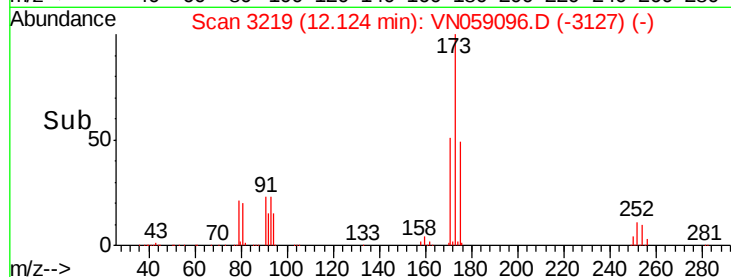
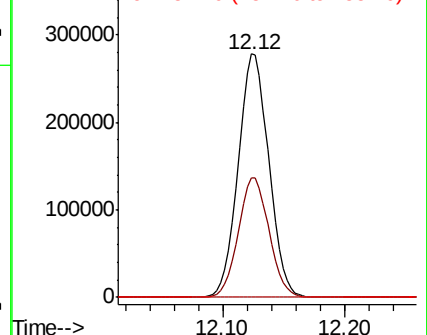
254 0.1 0.1 0.1#



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: VN059096.D

Acq: 6 Nov 2019 10:23

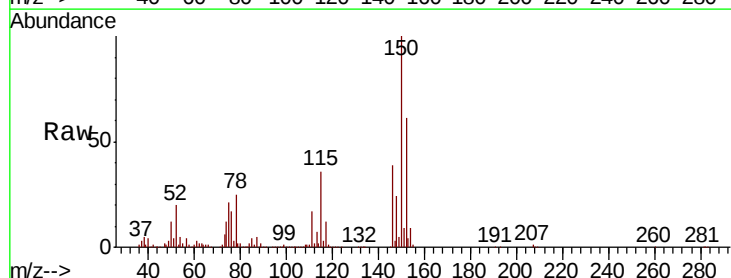
Tgt Ion:152 Resp: 398201

Ion Ratio Lower Upper

152 100

115 58.9 29.4 88.2

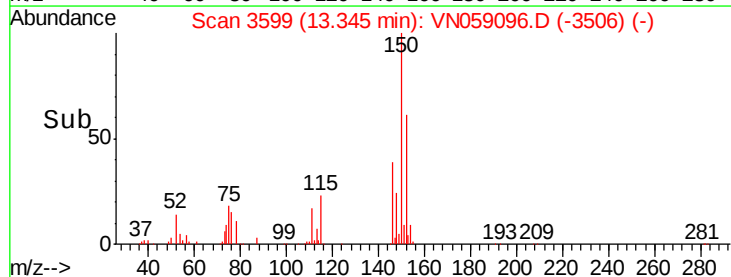
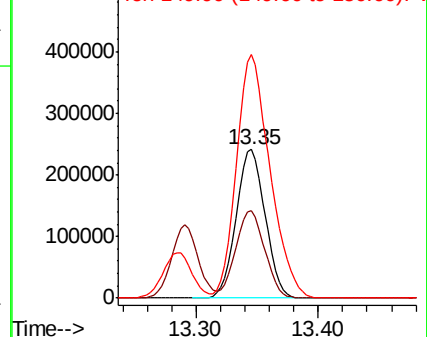
150 189.2 0.0 345.8

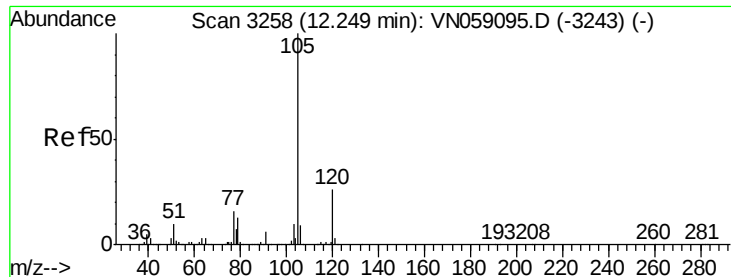


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.147 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

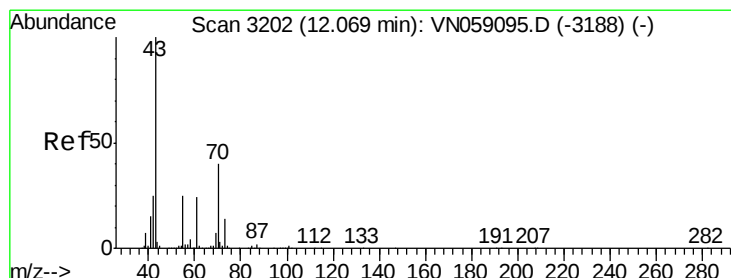
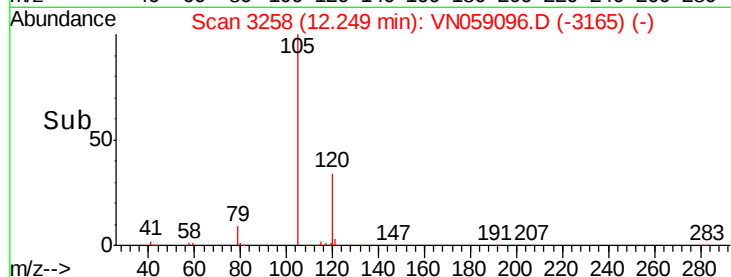
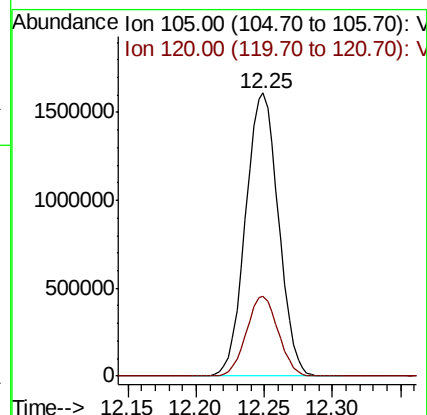
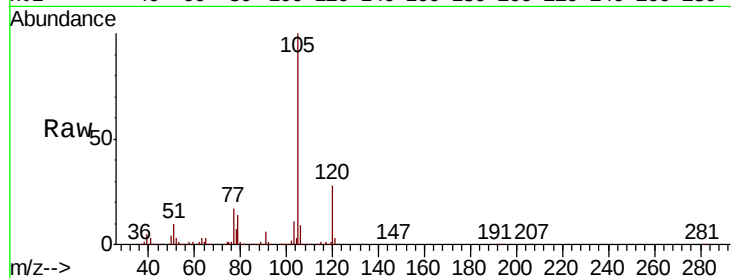
VSTDIC100

Tot Ion:105 Resp: 2693076

Ion Ratio Lower Upper

105 100

120 27.4 13.1 39.3



#74

N-ethyl acetate

Concen: 100.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Tgt Ion: 43 Resp: 1304404

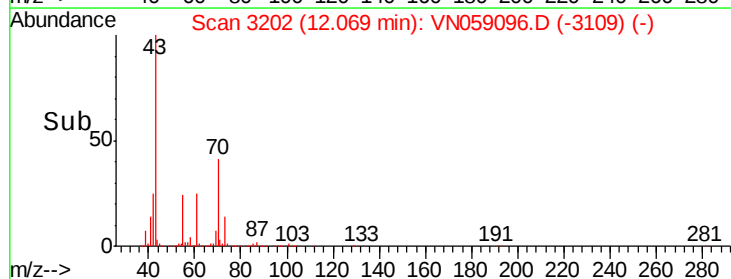
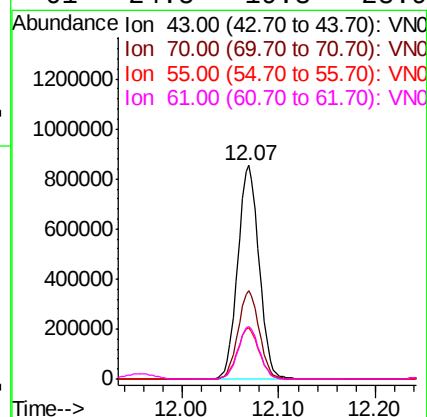
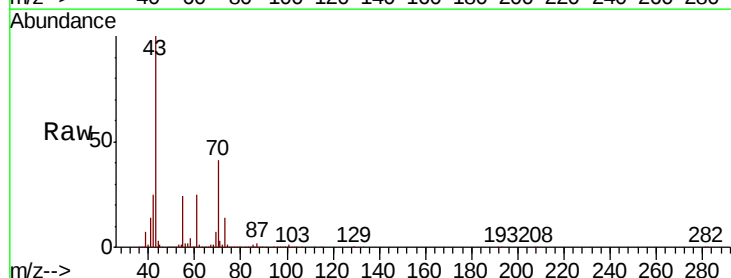
Ion Ratio Lower Upper

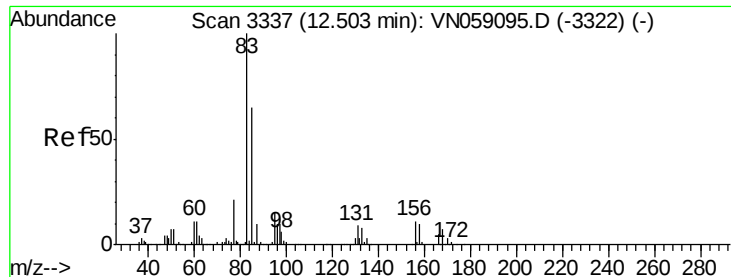
43 100

70 41.2 32.2 48.4

55 24.3 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 88.248 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

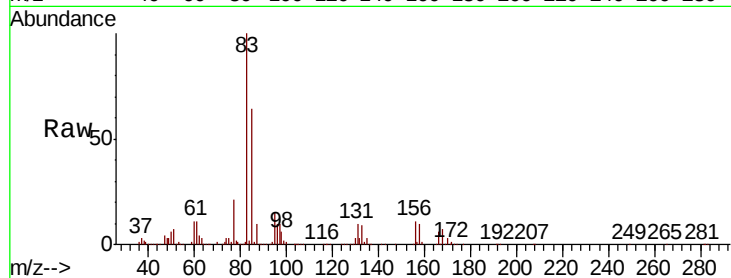
Tot Ion: 83 Resp: 918905

Ion Ratio Lower Upper

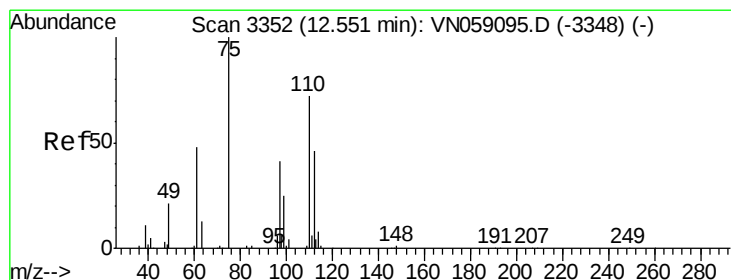
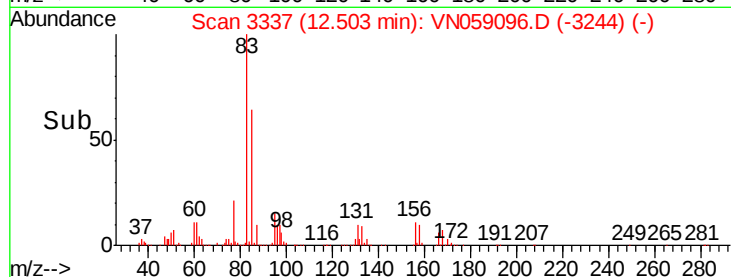
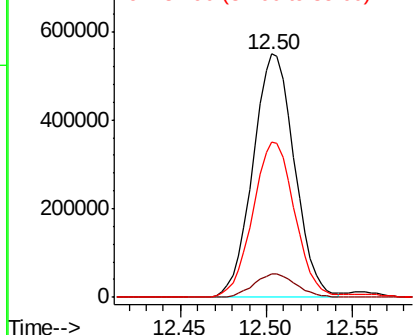
83 100

131 9.8 4.9 14.6

85 64.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 134.480 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059096.D

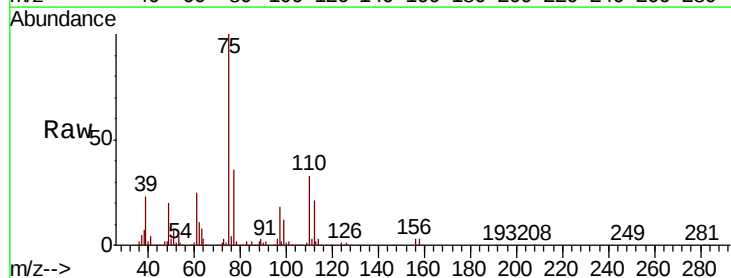
Acq: 6 Nov 2019 10:23

Tgt Ion: 75 Resp: 1251490

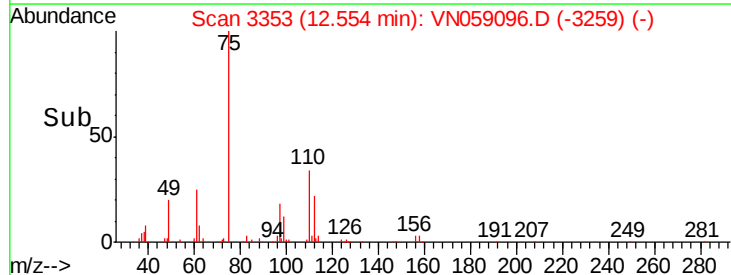
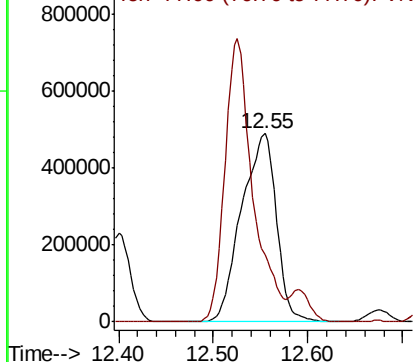
Ion Ratio Lower Upper

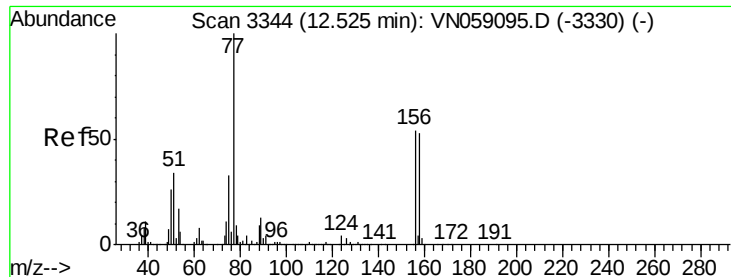
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 91.415 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

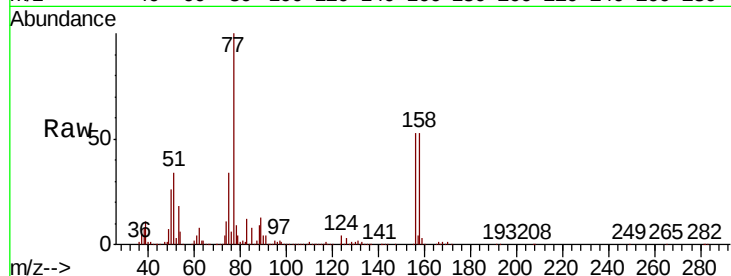
Tot Ion:156 Resp: 670337

Ion Ratio Lower Upper

156 100

77 227.3 112.8 338.3

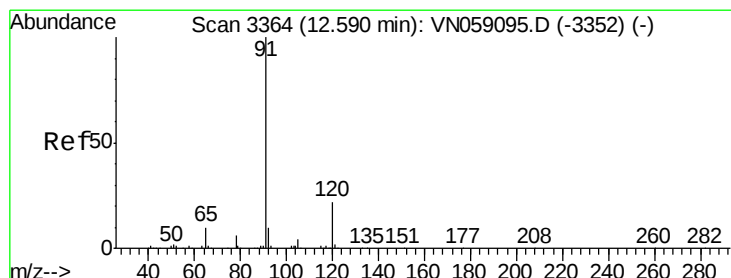
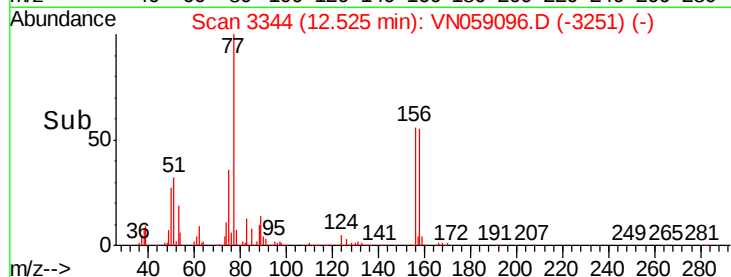
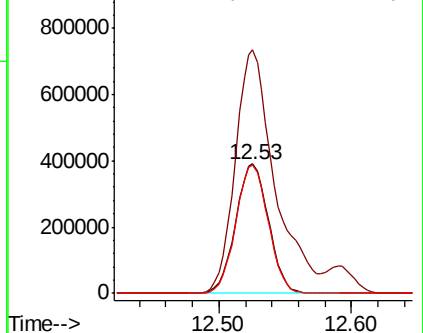
158 97.8 48.4 145.3



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: 92.870 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059096.D

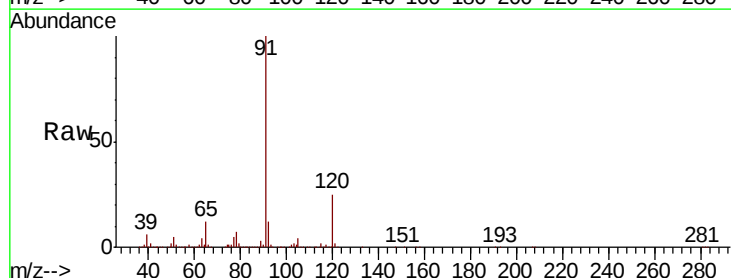
Acq: 6 Nov 2019 10:23

Tgt Ion: 91 Resp: 3136779

Ion Ratio Lower Upper

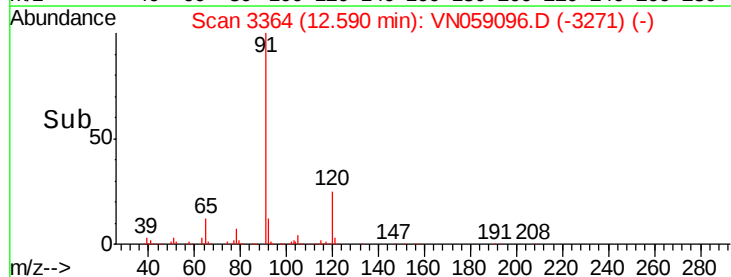
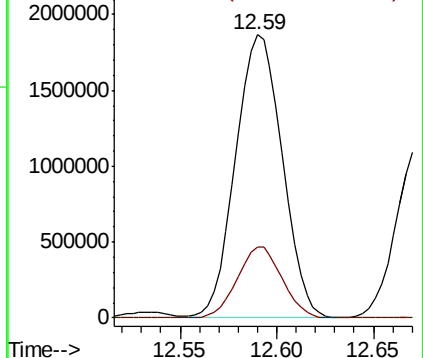
91 100

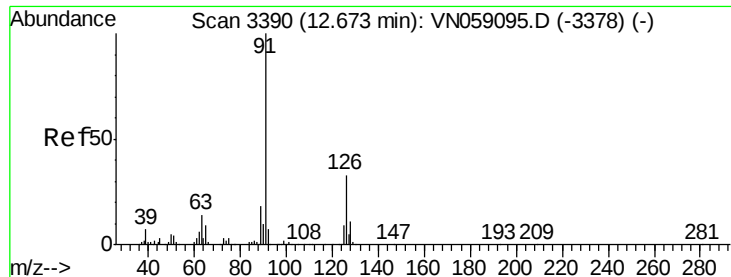
120 24.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

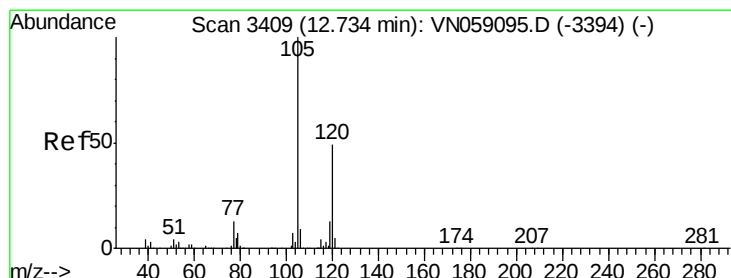
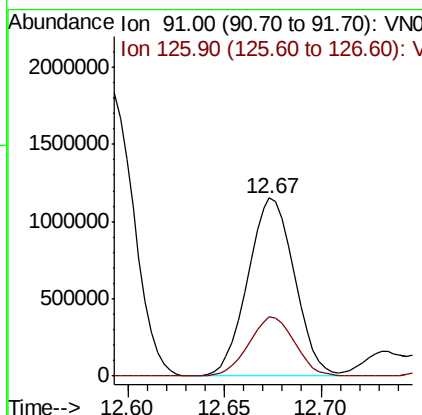
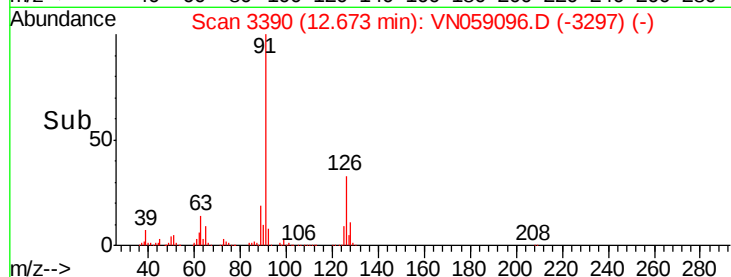
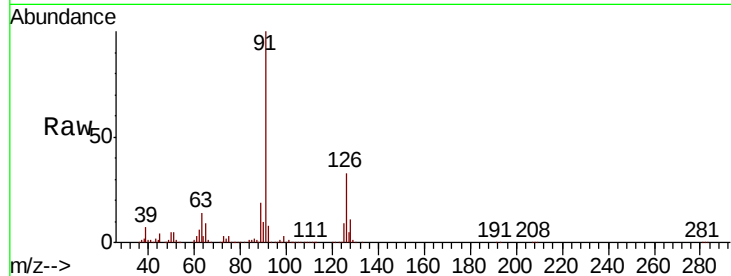




#79
 2-Chlorotoluene
 Concen: 92.358 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

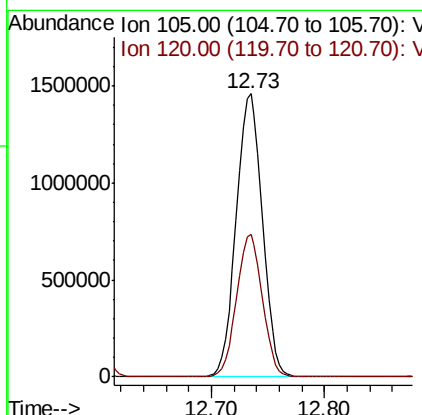
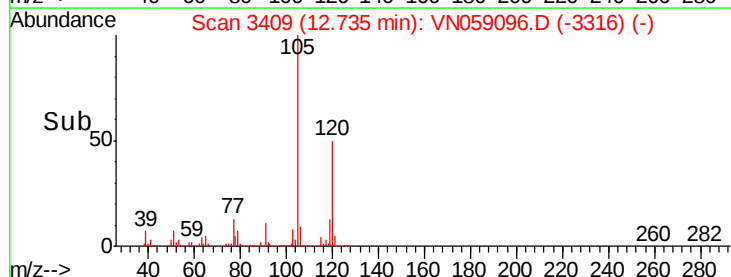
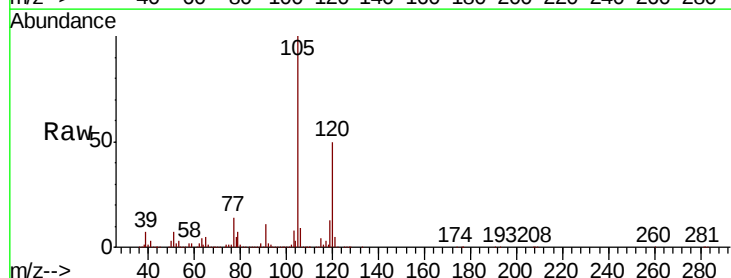
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1937103
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 94.726 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion: 105 Resp: 2354383
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 97.926 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

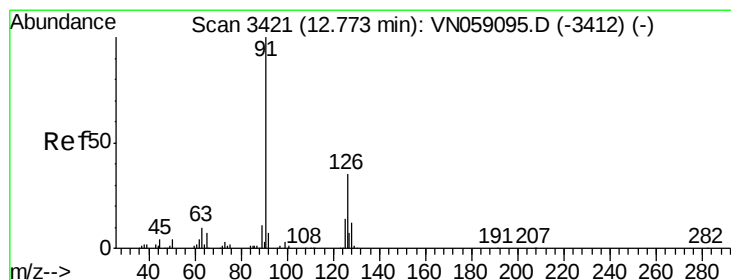
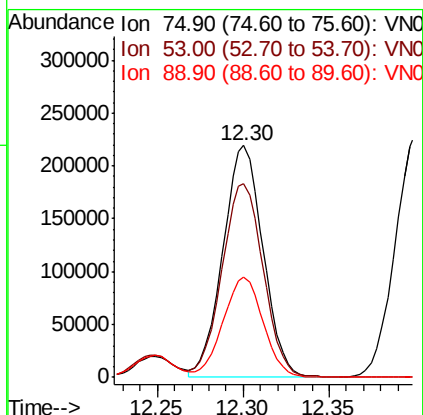
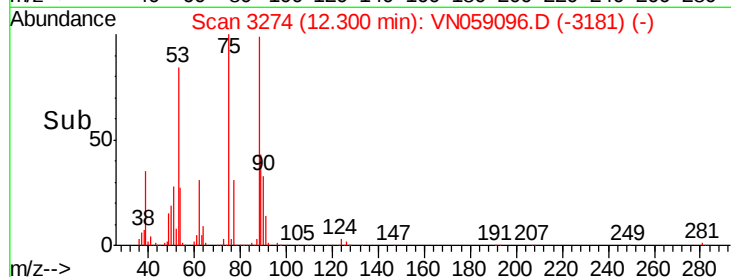
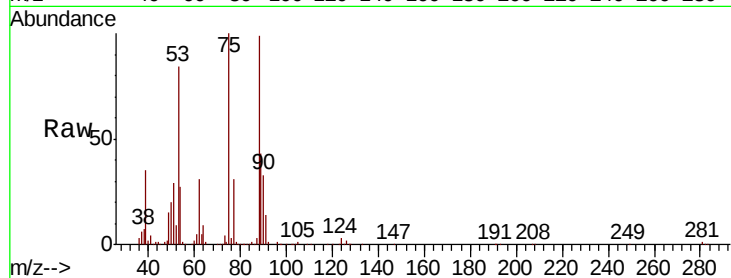
Tot Ion: 75 Resp: 355346

Ion Ratio Lower Upper

75 100

53 86.4 72.2 108.2

89 43.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 94.004 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059096.D

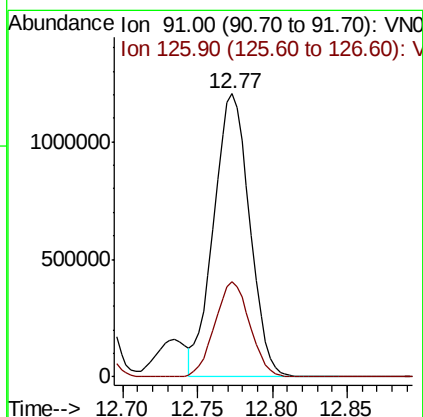
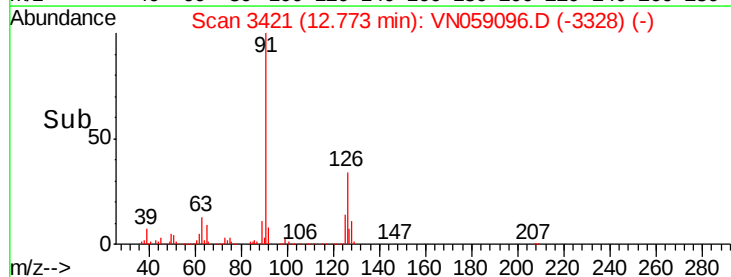
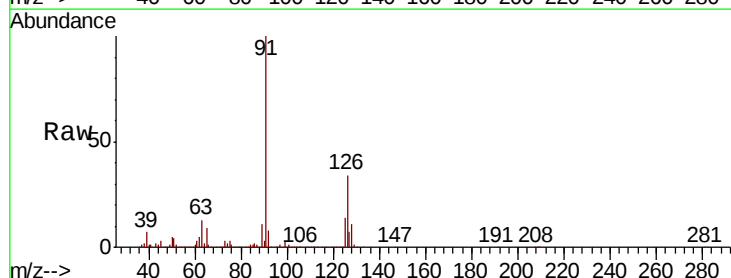
Acq: 6 Nov 2019 10:23

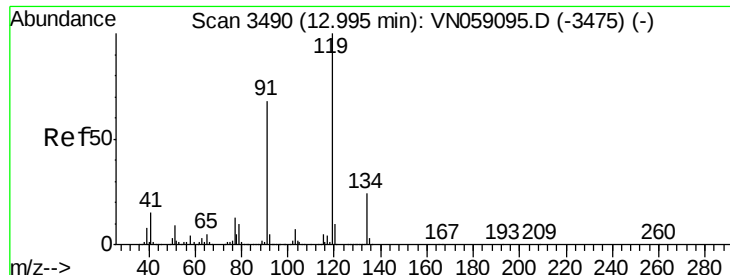
Tgt Ion: 91 Resp: 2014068

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2





#83

tert-Butylbenzene

Concen: 95.514 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

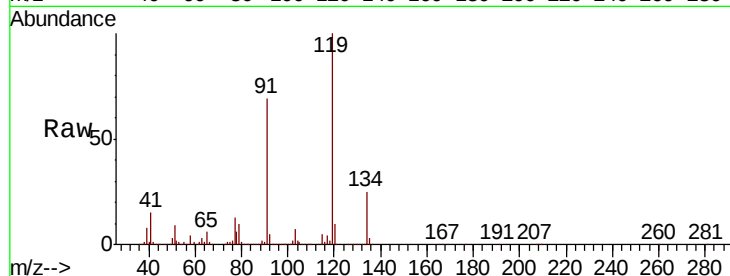
Tot Ion:119 Resp: 2022520

Ion Ratio Lower Upper

119 100

91 66.8 33.2 99.6

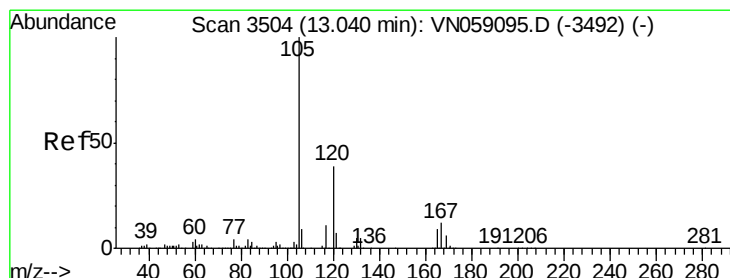
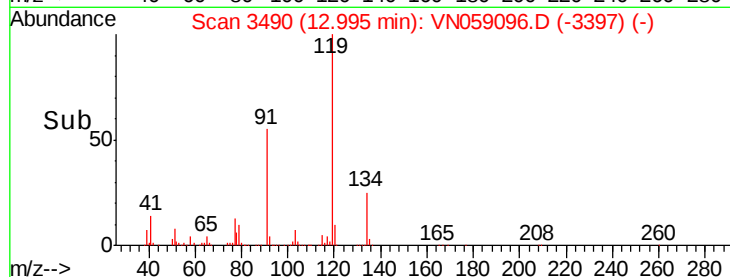
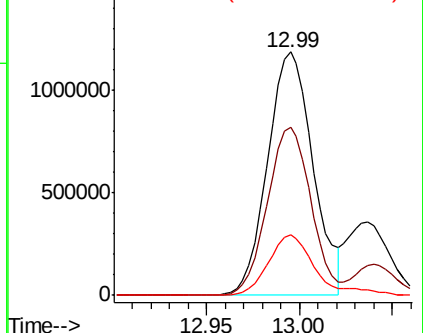
134 25.5 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 97.710 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059096.D

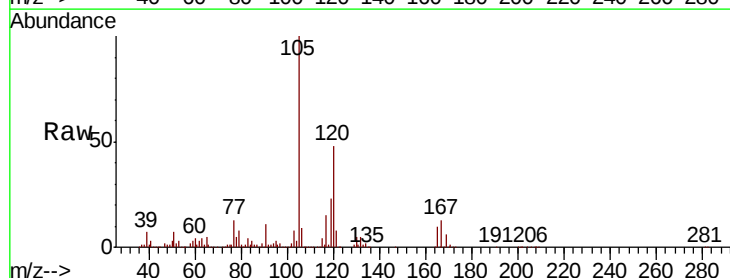
Acq: 6 Nov 2019 10:23

Tgt Ion:105 Resp: 2351610

Ion Ratio Lower Upper

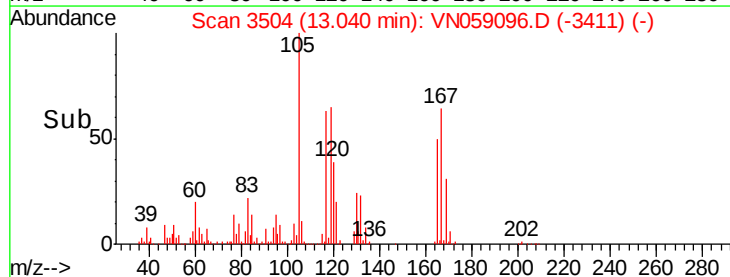
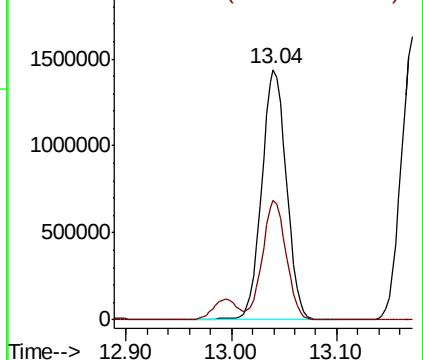
105 100

120 46.2 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: 96.720 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

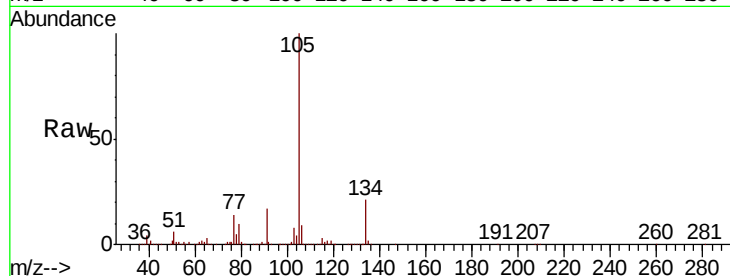
VSTDIC100

Tot Ion:105 Resp: 2677485

Ion Ratio Lower Upper

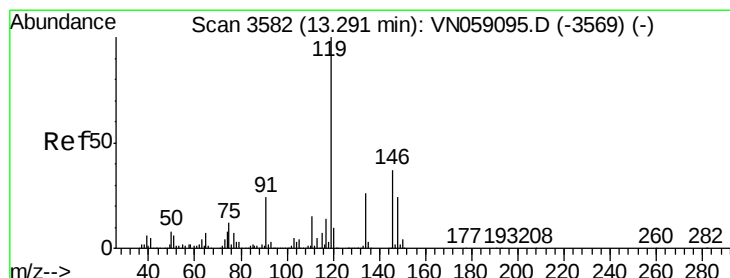
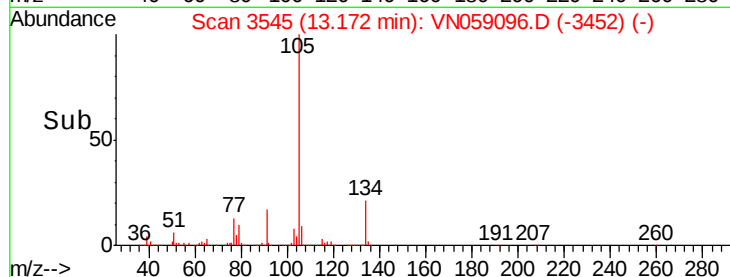
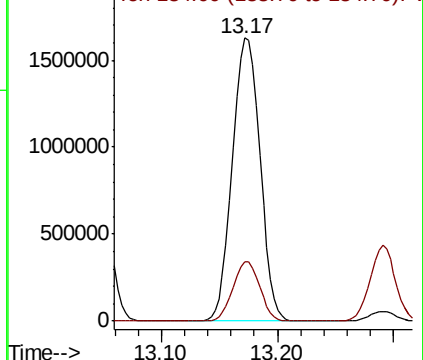
105 100

134 20.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 98.126 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

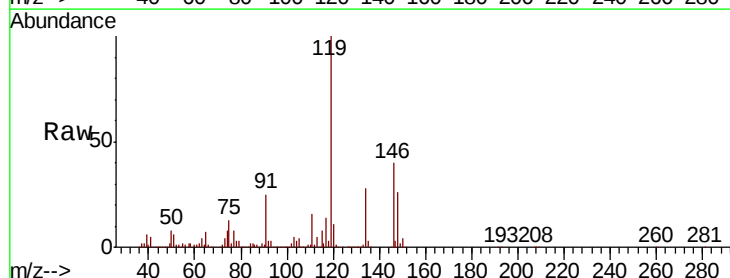
Tgt Ion:119 Resp: 2446361

Ion Ratio Lower Upper

119 100

134 26.9 13.0 38.9

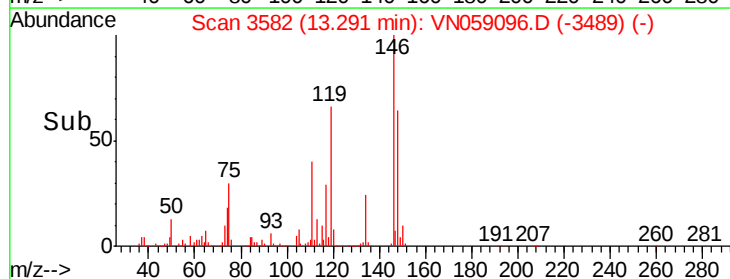
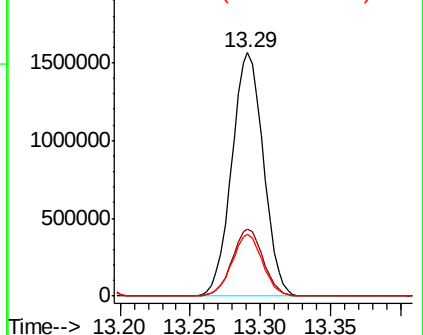
91 24.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 94.796 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

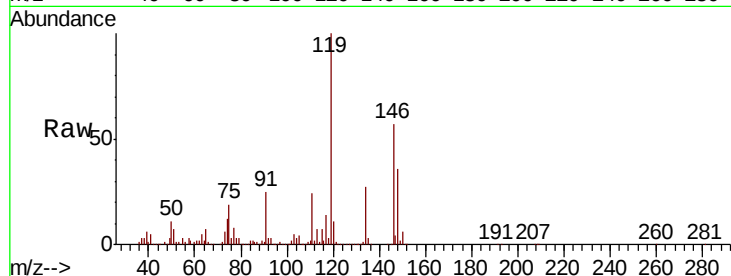
Tot Ion:146 Resp: 1230438

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

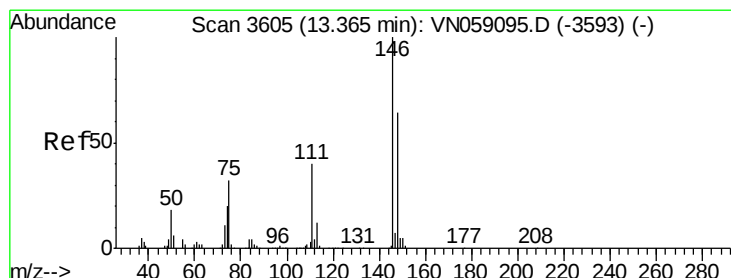
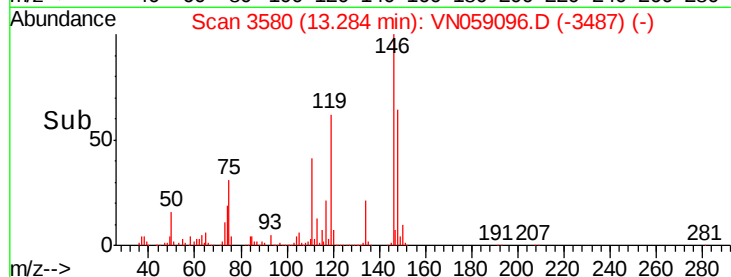
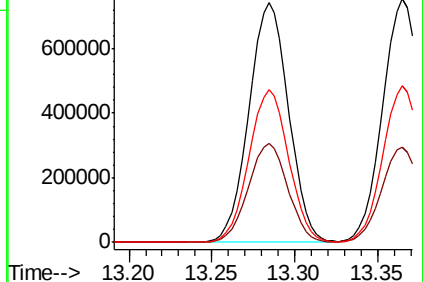
148 63.9 32.2 96.6



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: 95.574 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

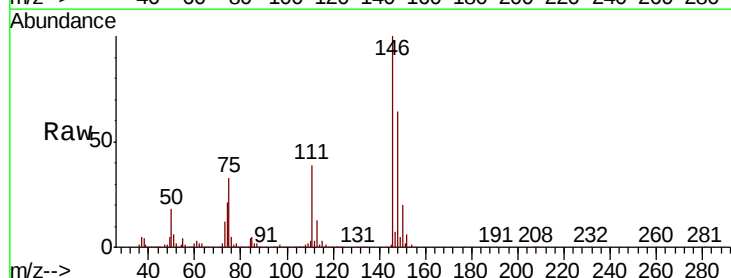
Tgt Ion:146 Resp: 1225805

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.9

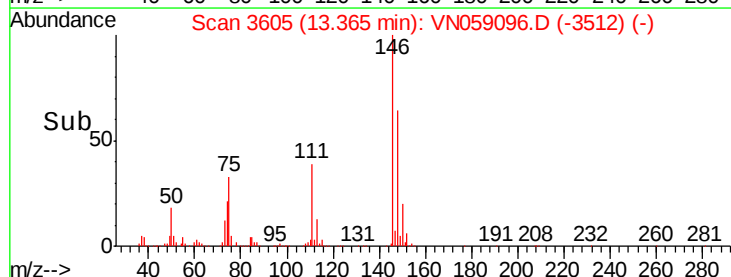
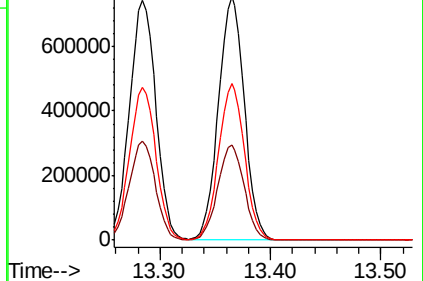
148 64.1 31.9 95.7



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

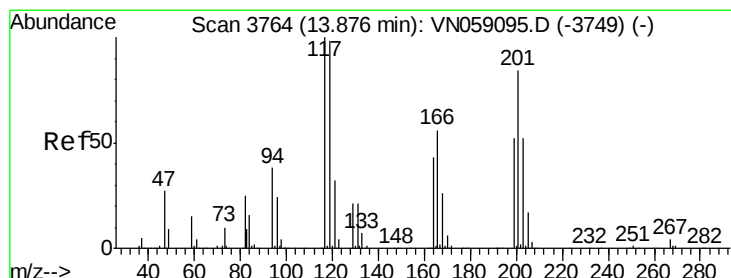
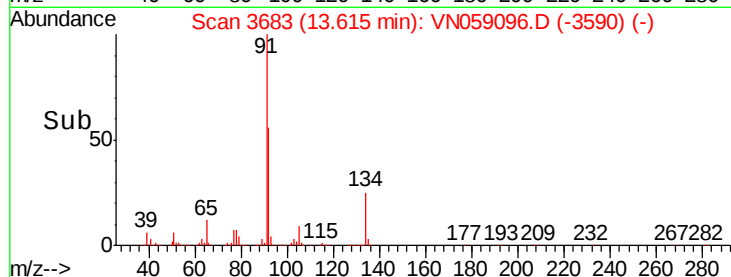
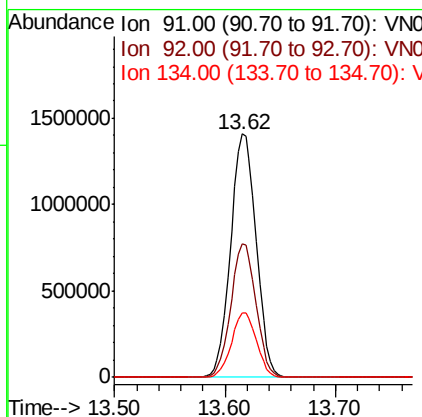
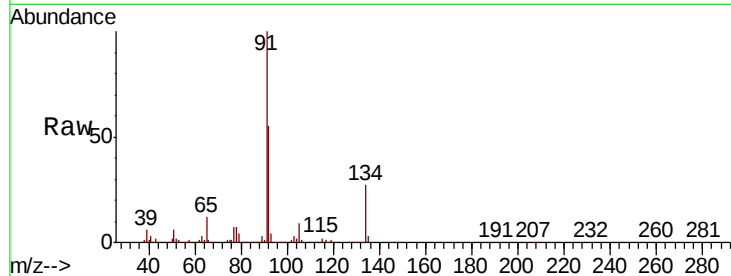




#89
n-Butylbenzene
Concen: 104.403 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

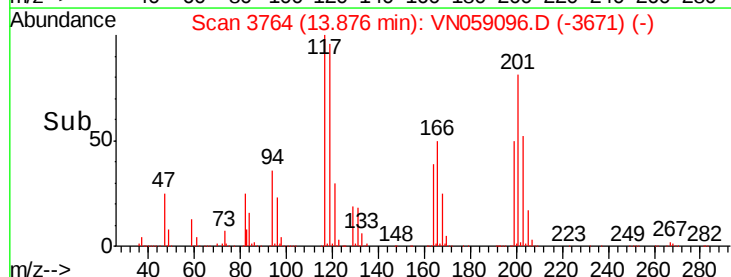
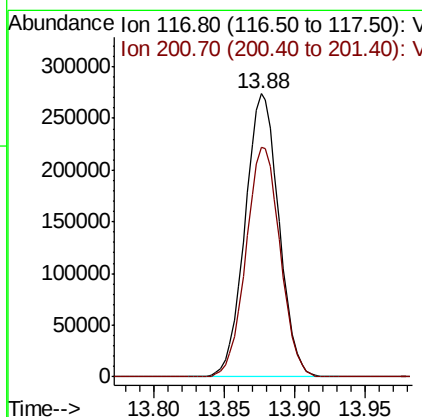
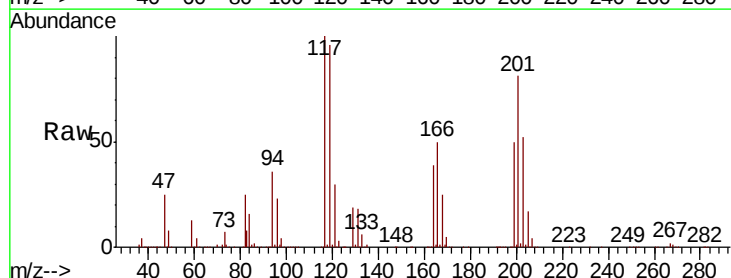
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

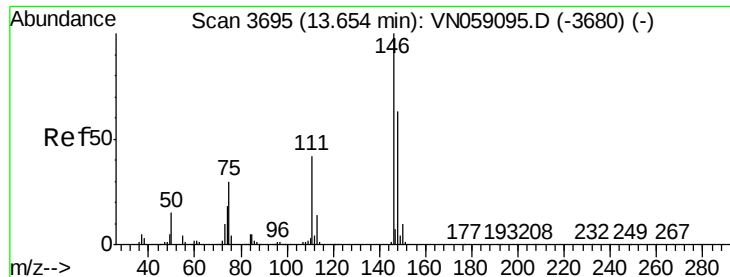
Tot Ion: 91 Resp: 2260050
Ion Ratio Lower Upper
91 100
92 53.9 26.1 78.3
134 26.0 12.6 37.8



#90
Hexachloroethane
Concen: 92.771 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion: 117 Resp: 459068
Ion Ratio Lower Upper
117 100
201 82.2 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 91.698 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

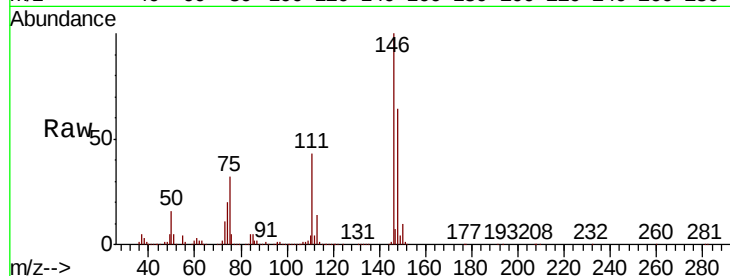
Tot Ion:146 Resp: 1187297

Ion Ratio Lower Upper

146 100

111 43.1 21.2 63.6

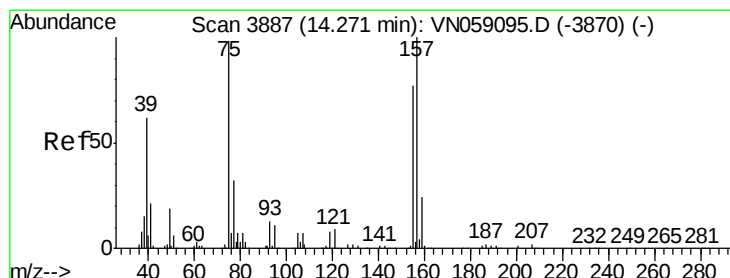
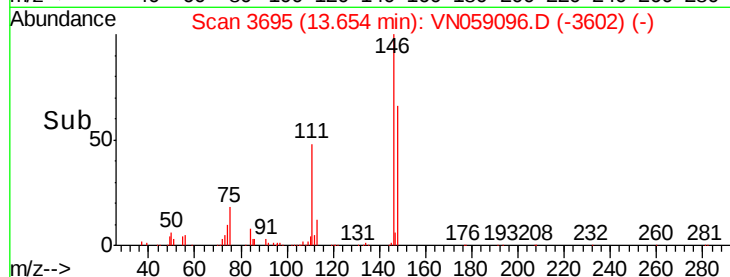
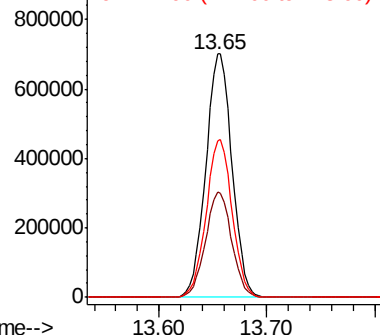
148 64.3 31.6 94.7



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: 86.937 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059096.D

Acq: 6 Nov 2019 10:23

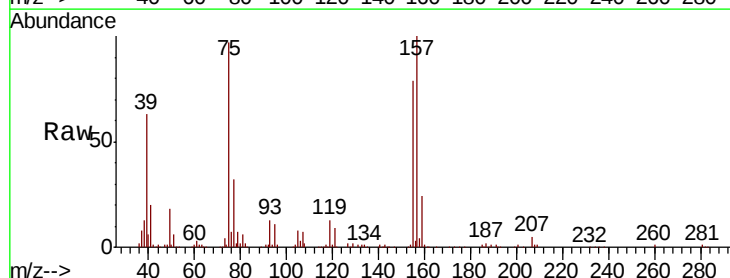
Tgt Ion: 75 Resp: 195174

Ion Ratio Lower Upper

75 100

155 81.5 40.2 120.6

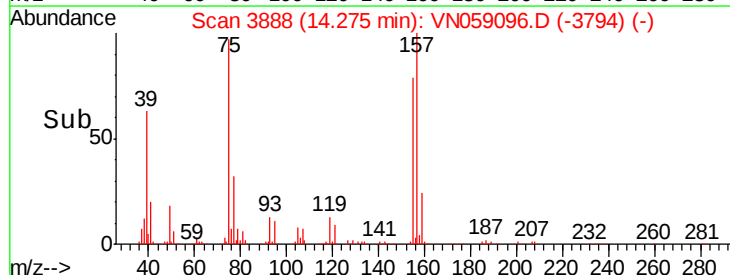
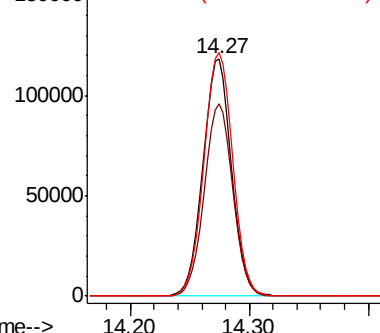
157 104.7 51.8 155.5

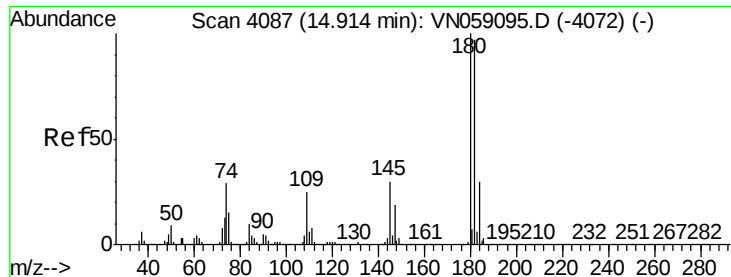


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

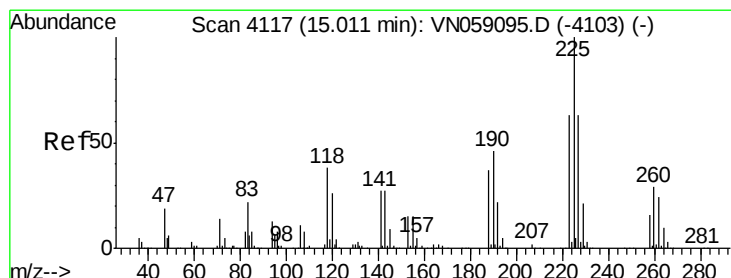
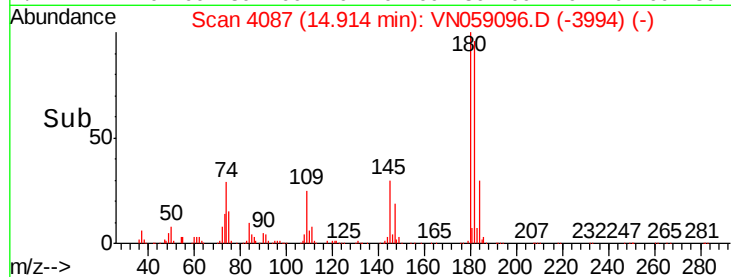
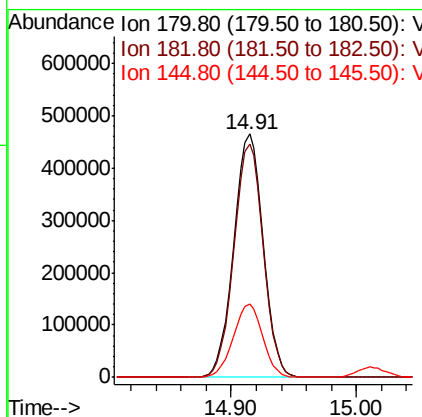
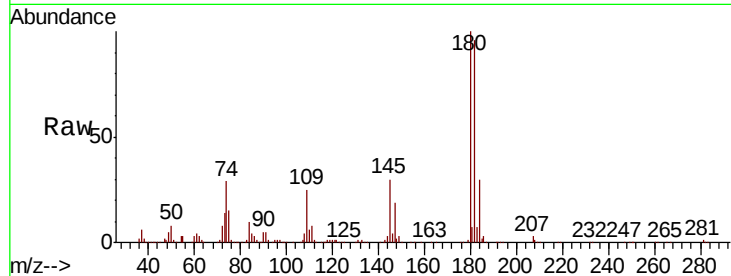




#93
 1,2,4-Trichlorobenzene
 Concen: 109.163 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

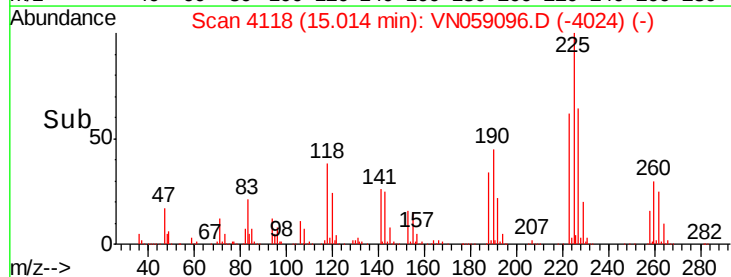
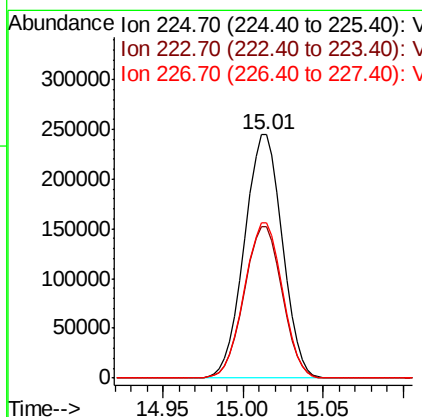
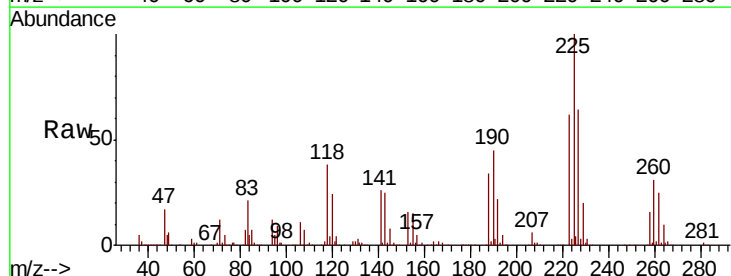
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

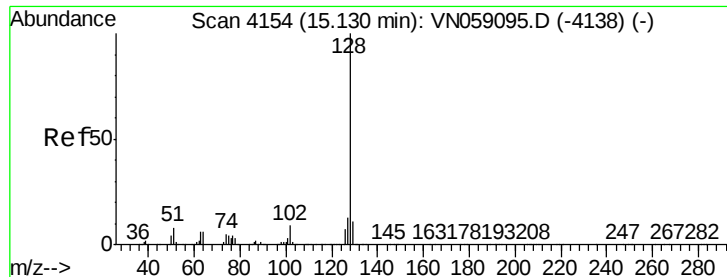
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.3
145	30.1	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 94.335 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059096.D
 Acq: 6 Nov 2019 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.9
227	64.3	31.5	94.5

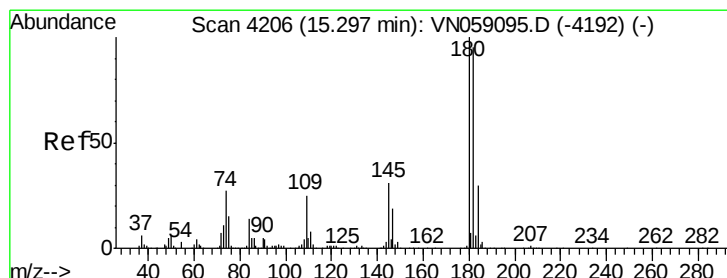
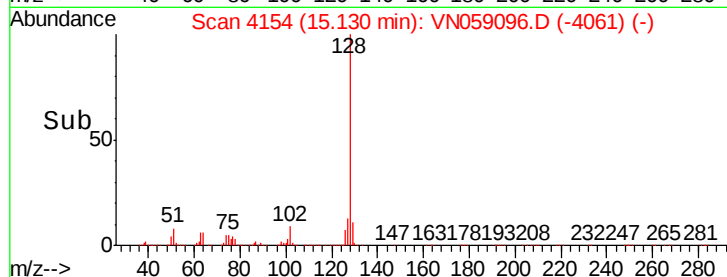
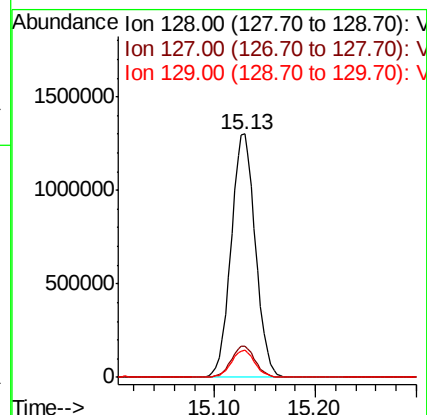
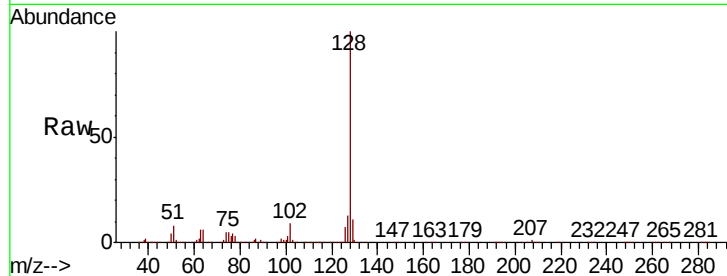




#95
Naphthalene
Concen: 114.666 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 2181147
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 105.699 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059096.D
Acq: 6 Nov 2019 10:23

Tgt Ion:180 Resp: 750533
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.8
145 32.0 15.8 47.3

