

Data File : VN059321.D
Acq On : 20 Nov 2019 12:30
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 20 15:08:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 15:04:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	380870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248857	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	236999	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.57	113	191012	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.08	98	759903	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.40	95	264677	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	257480	67.097	ug/l	99
3) Chloromethane	2.04	50	300850	57.674	ug/l	100
4) Vinyl Chloride	2.17	62	324279	64.120	ug/l	100
5) Bromomethane	2.54	94	171421	58.901	ug/l	100
6) Chloroethane	2.68	64	163263	54.572	ug/l	98
7) Trichlorofluoromethane	3.00	101	331166	54.746	ug/l	98
8) Diethyl Ether	3.39	74	136931	55.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	205719	56.403	ug/l	99
10) Methyl Iodide	3.93	142	269356	59.664	ug/l	99
11) Tert butyl alcohol	4.75	59	235850	264.328	ug/l	100
12) 1,1-Dichloroethene	3.72	96	207506	58.404	ug/l	99
13) Acrolein	3.58	56	212243	461.365	ug/l	99
14) Allyl chloride	4.30	41	390541	53.512	ug/l	98
15) Acrylonitrile	4.96	53	624219	281.112	ug/l	99
16) Acetone	3.79	43	517573	212.585	ug/l	98
17) Carbon Disulfide	4.03	76	658710	59.725	ug/l	99
18) Methyl Acetate	4.30	43	353963	61.251	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	691751	56.551	ug/l	100
20) Methylene Chloride	4.52	84	228272	53.818	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	223688	58.654	ug/l	95
22) Diisopropyl ether	5.92	45	752043	54.555	ug/l	99
23) Vinyl Acetate	5.87	43	3038674	284.420	ug/l	99
24) 1,1-Dichloroethane	5.82	63	423018	54.942	ug/l	99
25) 2-Butanone	6.81	43	833254	259.682	ug/l	100
26) 2,2-Dichloropropane	6.80	77	354872	52.711	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	250482	56.612	ug/l	98
28) Bromochloromethane	7.17	49	164125	70.853	ug/l	98
29) Tetrahydrofuran	7.19	42	574166	281.615	ug/l	97
30) Chloroform	7.35	83	403736	54.664	ug/l	99
31) Cyclohexane	7.63	56	399253	54.776	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	345098	55.575	ug/l	99
36) 1,1-Dichloropropene	7.78	75	320492	56.887	ug/l	100
37) Ethyl Acetate	6.90	43	341006	54.409	ug/l	98
38) Carbon Tetrachloride	7.75	117	308196	54.962	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	391124	59.818	ug/l	98
40) Benzene	8.02	78	947415	55.844	ug/l	99
41) Methacrylonitrile	7.19	41	498302	182.838	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	310947	53.439	ug/l	99
43) Isopropyl Acetate	8.15	43	535346	53.578	ug/l	98
44) Trichloroethene	8.82	130	236933	56.813	ug/l	96
45) 1,2-Dichloropropane	9.11	63	250395	54.338	ug/l	98
46) Dibromomethane	9.20	93	153750	53.543	ug/l	98
47) Bromodichloromethane	9.39	83	312489	54.498	ug/l	97
48) Methyl methacrylate	9.19	41	244704	54.751	ug/l	98
49) 1,4-Dioxane	9.19	88	70190	883.702	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1665611	294.606	ug/l	99
52) Toluene	10.15	92	571858	56.238	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	359106	54.207	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	395029	55.435	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	220425	53.562	ug/l	99
56) Ethyl methacrylate	10.42	69	352521	57.709	ug/l	97
57) 1,3-Dichloropropane	10.70	76	387014	54.640	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	592487	258.696	ug/l	99
59) 2-Hexanone	10.75	43	1218520	280.799	ug/l	99
60) Dibromochloromethane	10.90	129	240522	55.279	ug/l	100
61) 1,2-Dibromoethane	11.00	107	231872	55.658	ug/l	100
64) Tetrachloroethene	10.63	164	207797	56.828	ug/l	98
65) Chlorobenzene	11.43	112	584293	55.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	218960	55.682	ug/l	99
67) Ethyl Benzene	11.51	91	1074693	57.783	ug/l	99
68) m/p-Xylenes	11.62	106	805408	115.605	ug/l	99
69) o-Xylene	11.95	106	381001	56.589	ug/l	99
70) Styrene	11.96	104	620249	58.575	ug/l	99
71) Bromoform	12.13	173	169335	55.361	ug/l #	99
73) Isopropylbenzene	12.25	105	1031026	56.957	ug/l	100
74) N-amyl acetate	12.07	43	422054	55.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	333311	54.069	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	441452	77.917	ug/l #	100
77) Bromobenzene	12.53	156	244985	53.867	ug/l	98
78) n-propylbenzene	12.59	91	1199127	57.854	ug/l	99
79) 2-Chlorotoluene	12.68	91	701006	54.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	863208	56.276	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	119489	55.705	ug/l	98
82) 4-Chlorotoluene	12.78	91	714540	55.407	ug/l	99
83) tert-Butylbenzene	12.99	119	733579	55.380	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	856052	57.685	ug/l	99
85) sec-Butylbenzene	13.17	105	993911	57.694	ug/l	100
86) p-Isopropyltoluene	13.29	119	895904	58.898	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	426846	54.808	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	422635	54.239	ug/l	99
89) n-Butylbenzene	13.62	91	770669	57.887	ug/l	100
90) Hexachloroethane	13.88	117	164335	53.802	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	417952	54.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67514	48.525	ug/l	99

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

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QLast Update : Wed Nov 20 15:04:54 2019
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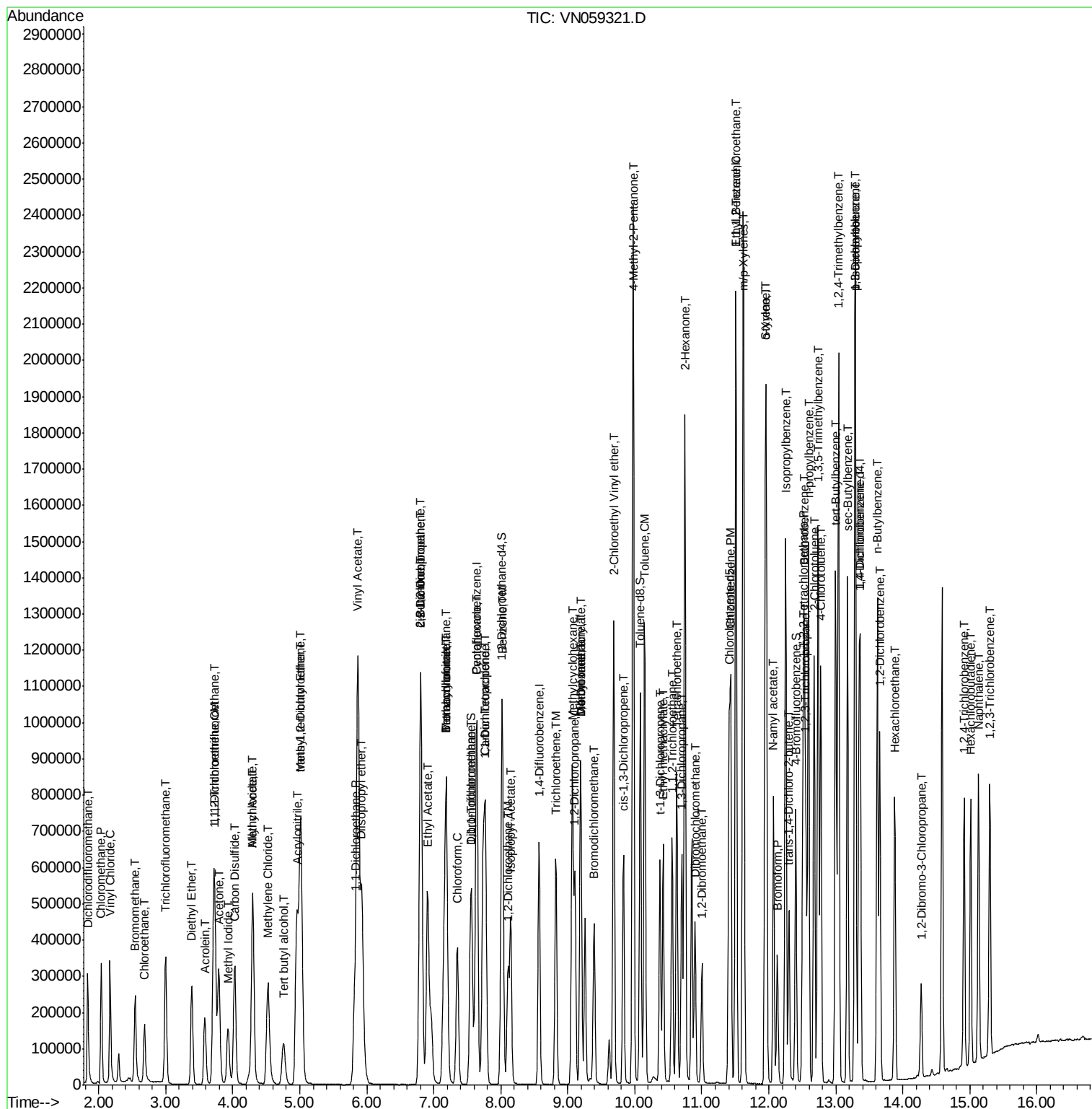
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245125	59.728	ug/l	98
94) Hexachlorobutadiene	15.01	225	142806	54.061	ug/l	98
95) Naphthalene	15.13	128	653483	57.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	246304	57.367	ug/l	100

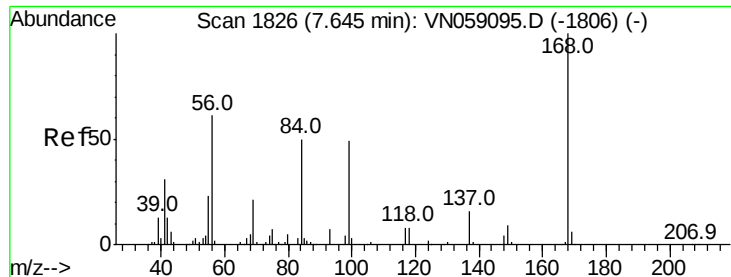
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

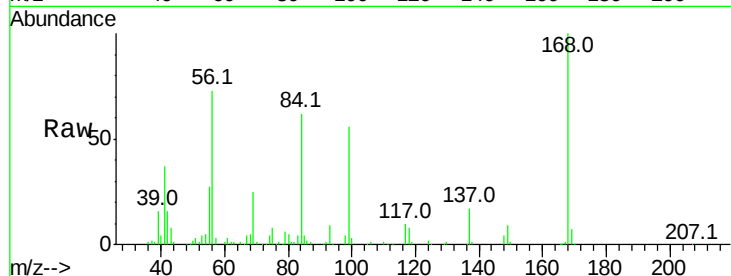
VSTDICCC050

Tgt Ion:168 Resp: 380870

Ion Ratio Lower Upper

168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

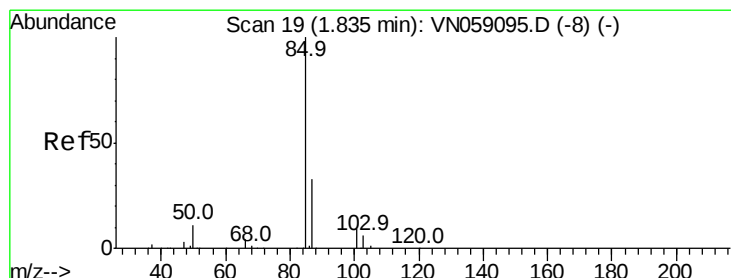
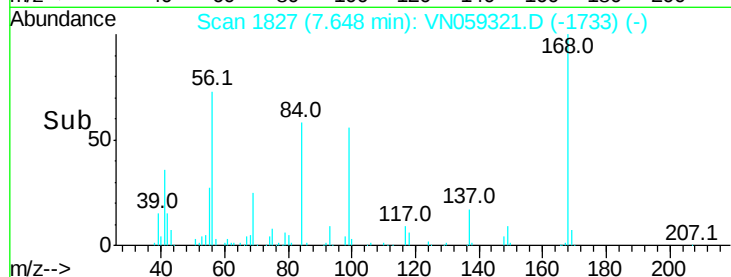
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 67.097 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059321.D

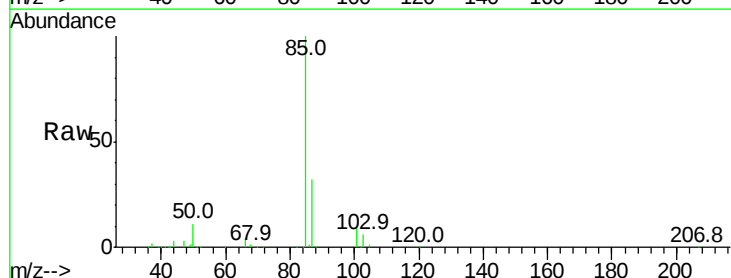
Acq: 20 Nov 2019 12:30

Tgt Ion: 85 Resp: 257480

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

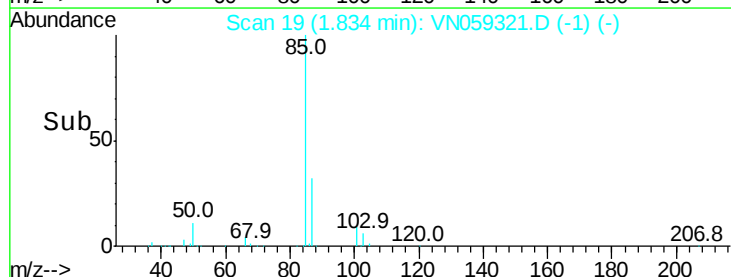
100000

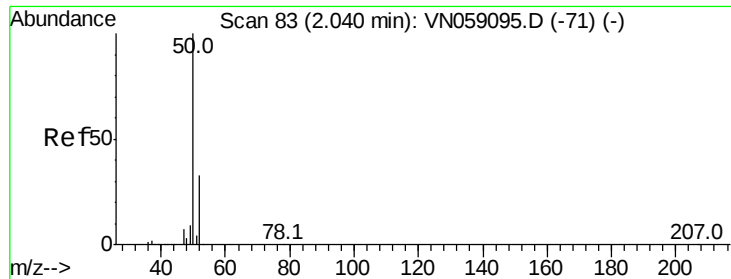
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 57.674 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

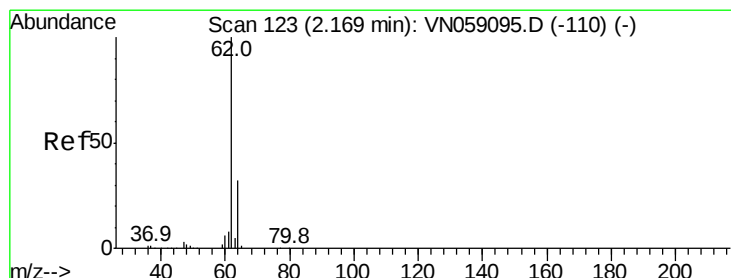
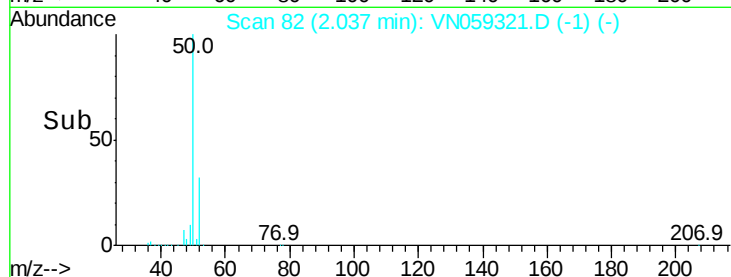
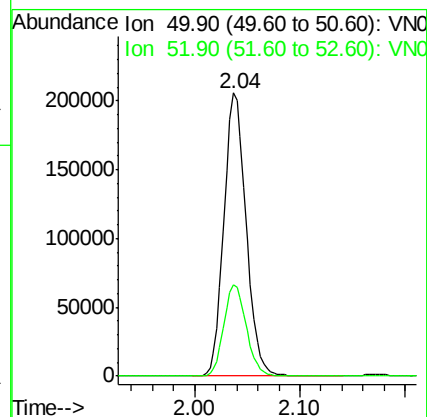
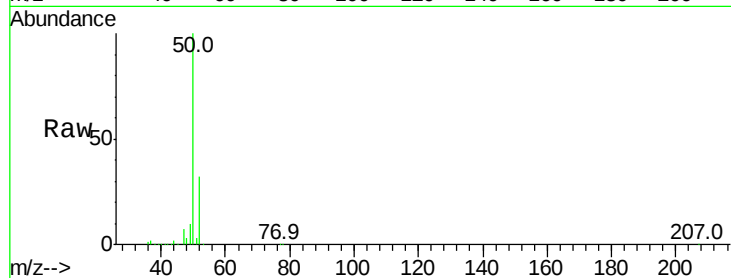
VSTDICCC050

Tgt Ion: 50 Resp: 300850

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 64.120 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059321.D

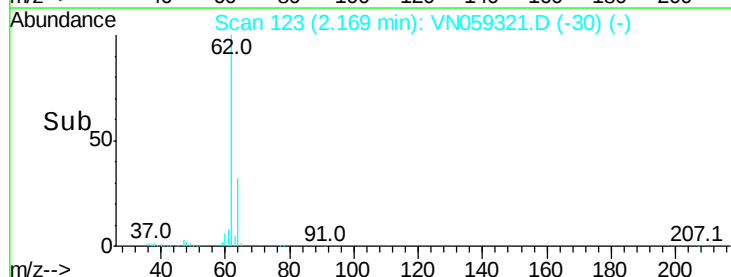
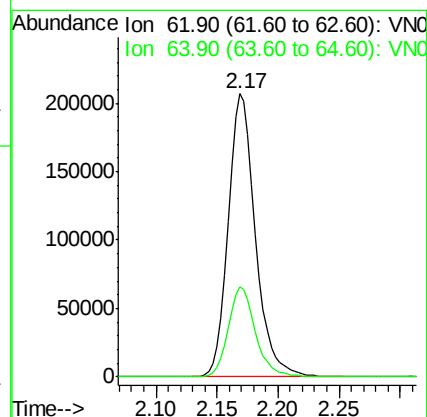
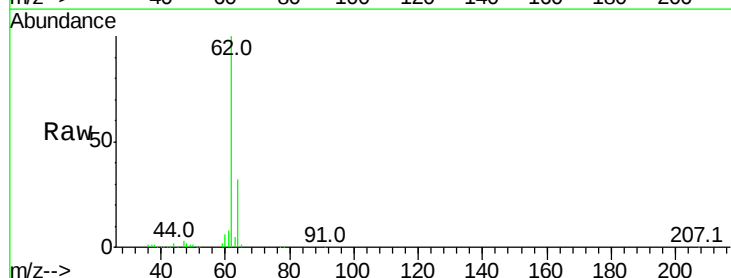
Acq: 20 Nov 2019 12:30

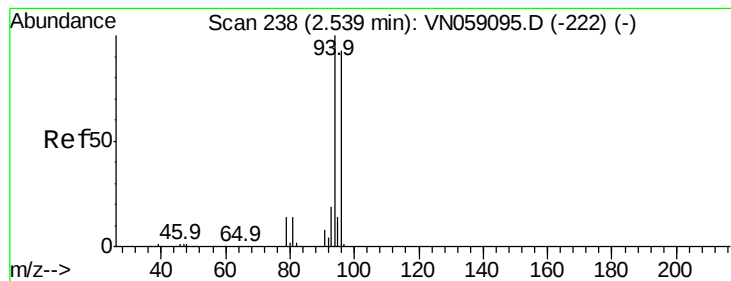
Tgt Ion: 62 Resp: 324279

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 58.901 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

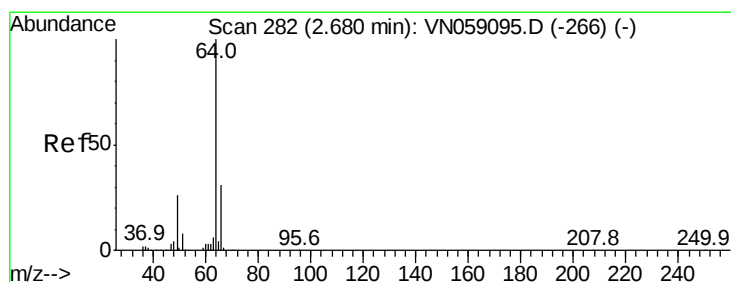
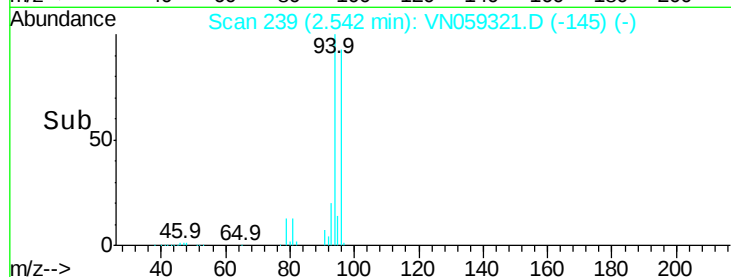
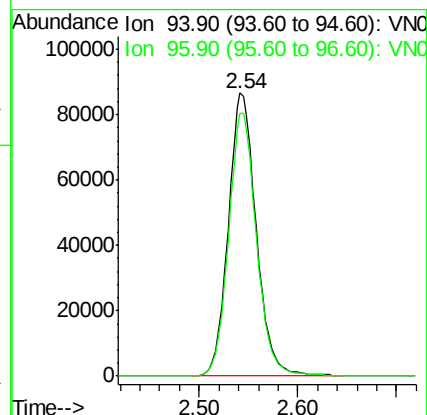
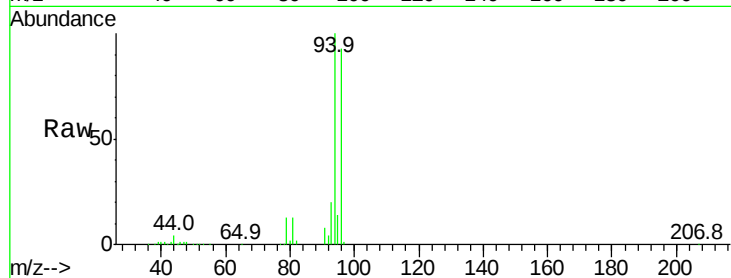
VSTDICCC050

Tgt Ion: 94 Resp: 171421

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



#6

Chloroethane

Concen: 54.572 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059321.D

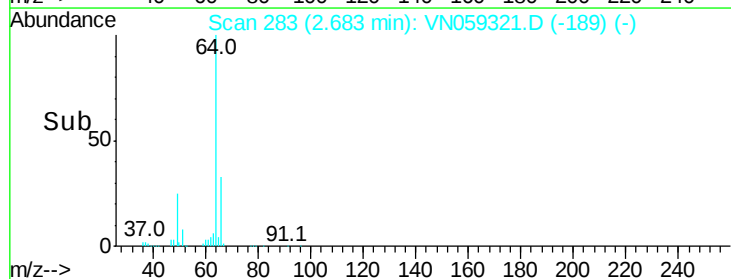
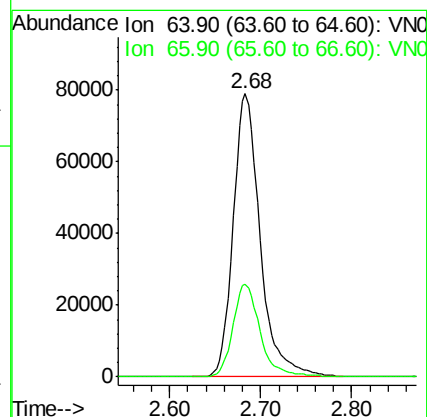
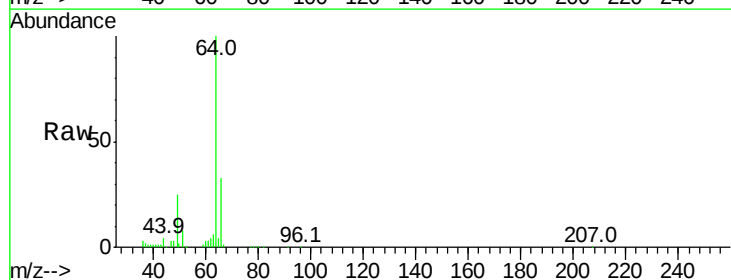
Acq: 20 Nov 2019 12:30

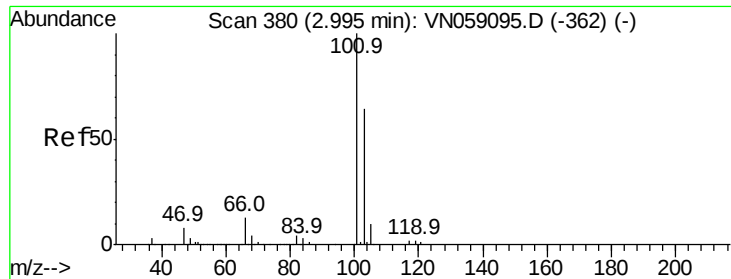
Tgt Ion: 64 Resp: 163263

Ion Ratio Lower Upper

64 100

66 32.7 25.2 37.8



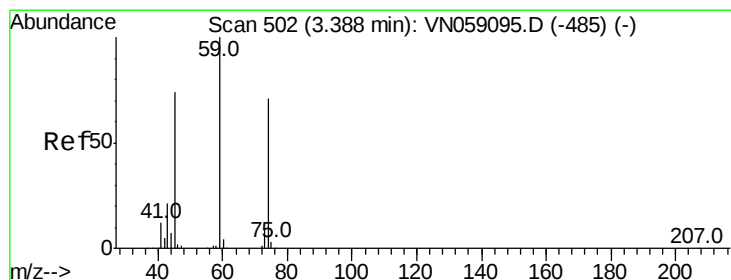
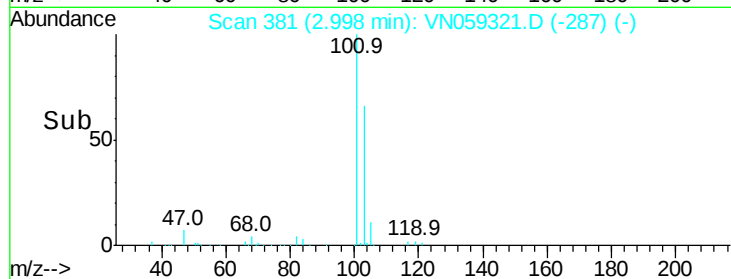
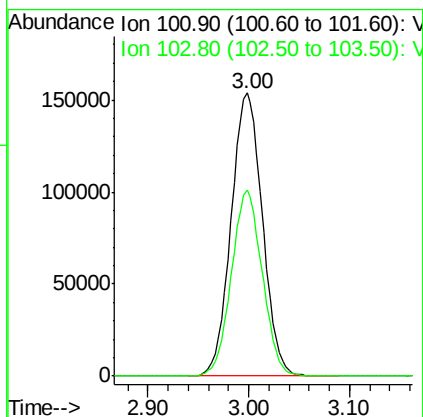
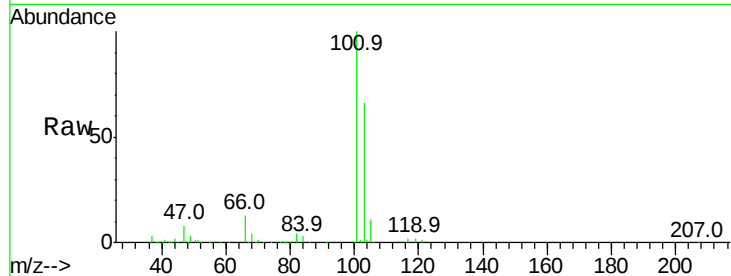


#7

Trichlorofluoromethane
Concen: 54.746 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
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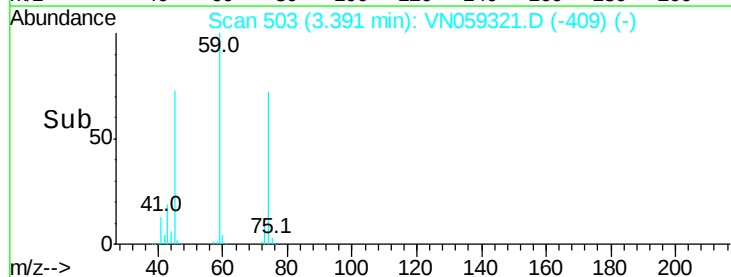
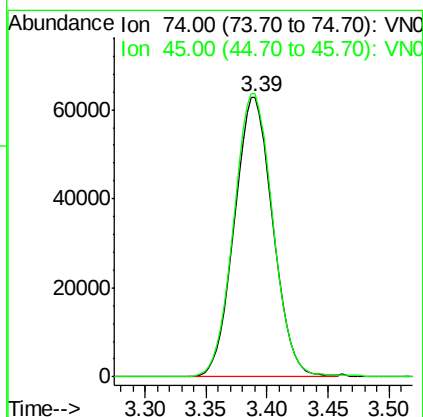
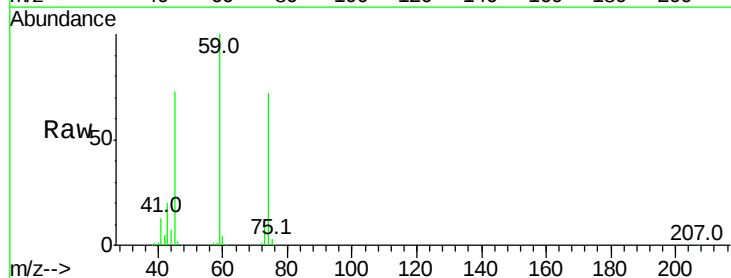
Tgt Ion:101 Resp: 331166
Ion Ratio Lower Upper
101 100
103 65.6 51.2 76.8

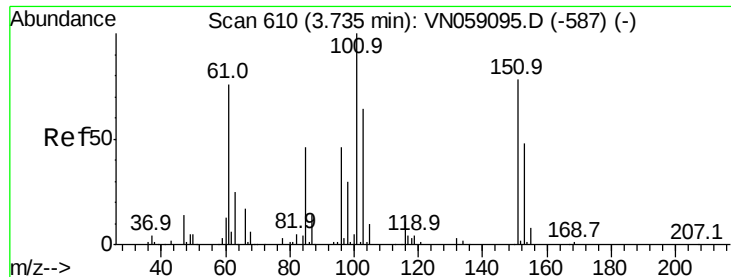


#8

Diethyl Ether
Concen: 55.710 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 74 Resp: 136931
Ion Ratio Lower Upper
74 100
45 103.5 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.403 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

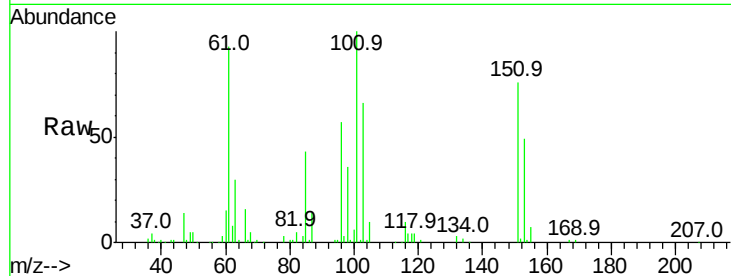
Tgt Ion:101 Resp: 205719

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

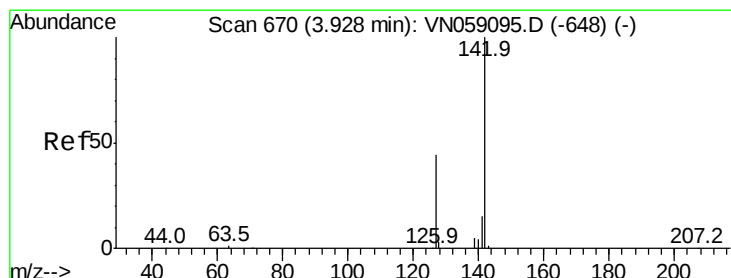
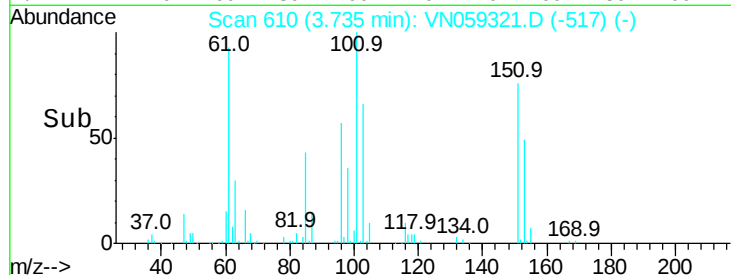
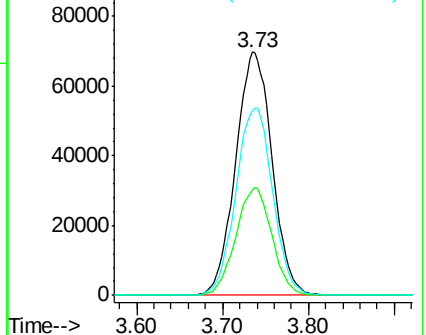
151 77.8 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 59.664 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

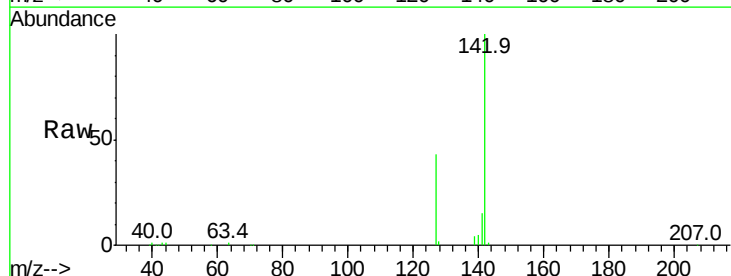
Tgt Ion:142 Resp: 269356

Ion Ratio Lower Upper

142 100

127 42.2 34.2 51.2

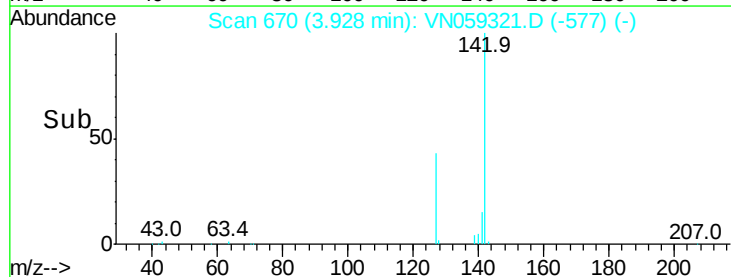
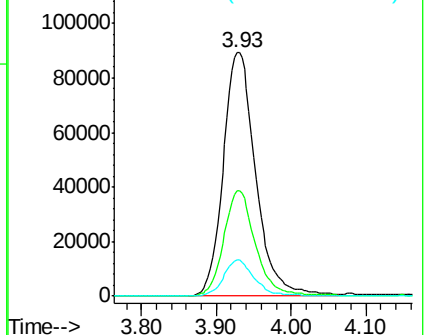
141 14.0 11.4 17.0

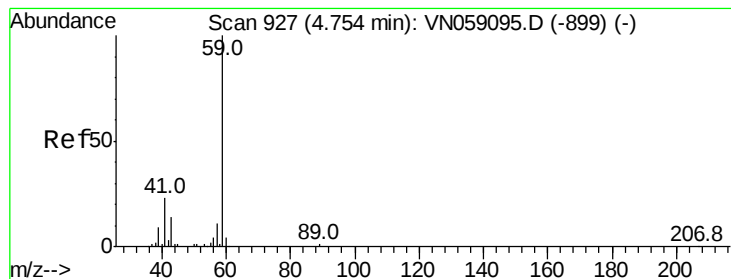


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



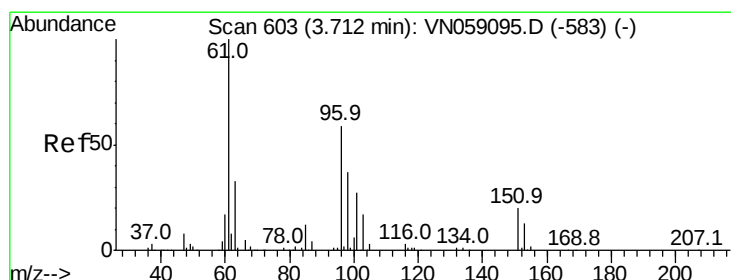
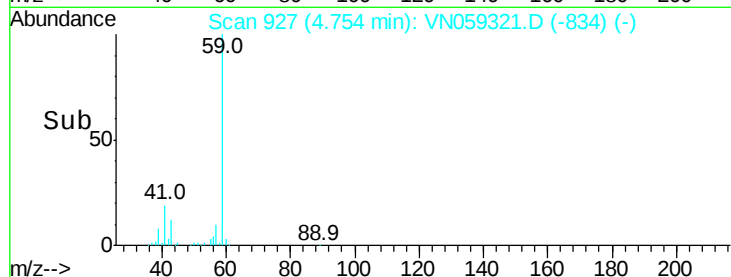
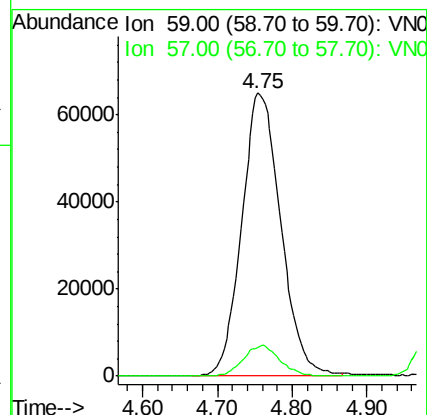
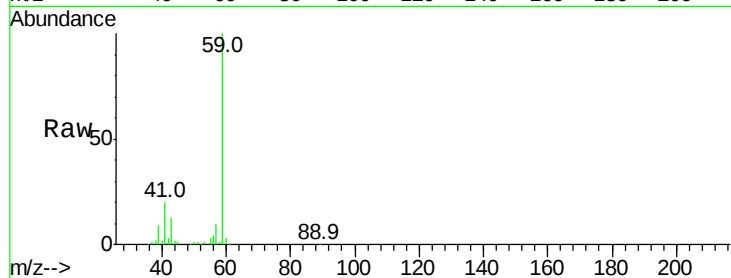


#11

Tert butyl alcohol
 Concen: 264.328 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

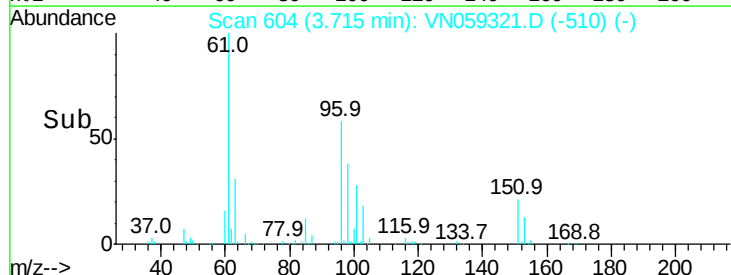
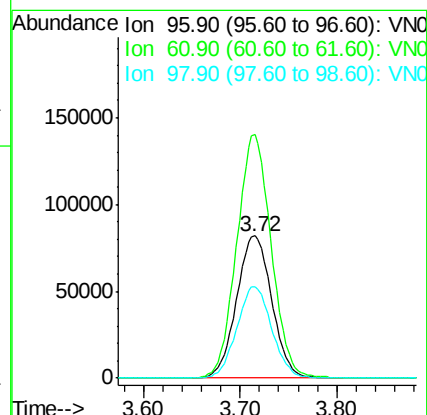
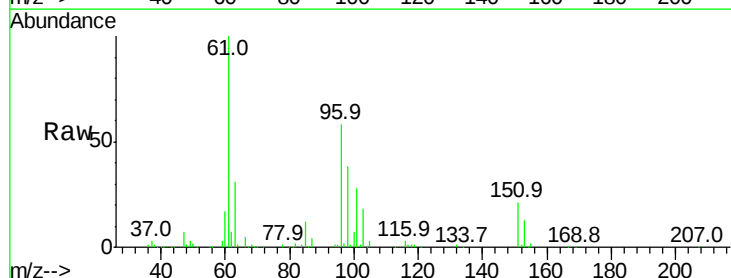
Tgt Ion: 59 Resp: 235850
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

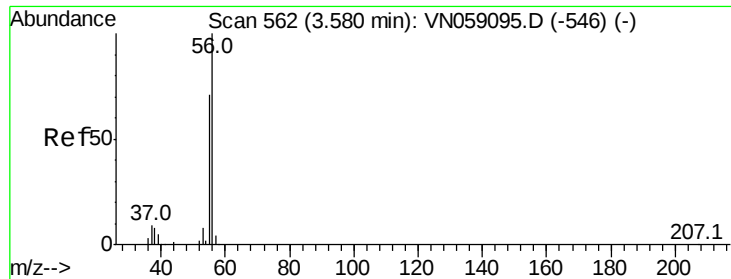


#12

1,1-Dichloroethene
 Concen: 58.404 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 96 Resp: 207506
 Ion Ratio Lower Upper
 96 100
 61 171.0 136.5 204.7
 98 64.5 50.2 75.4





#13

Acrolein

Concen: 461.365 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

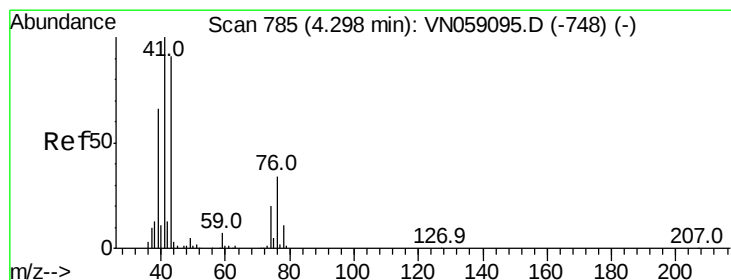
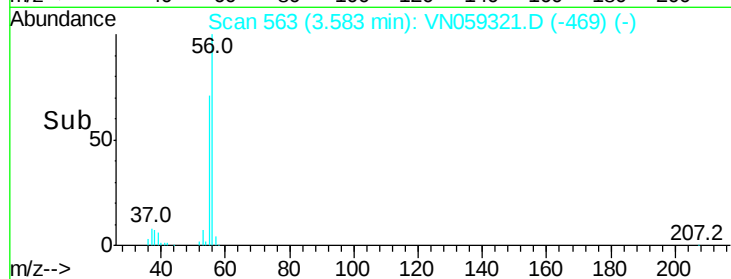
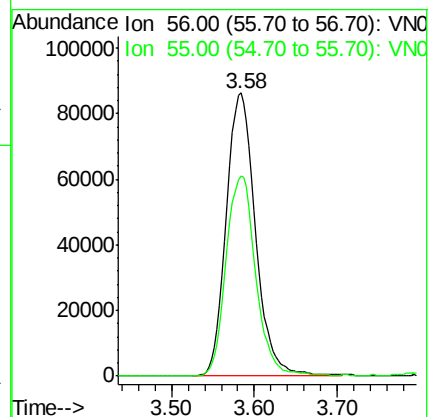
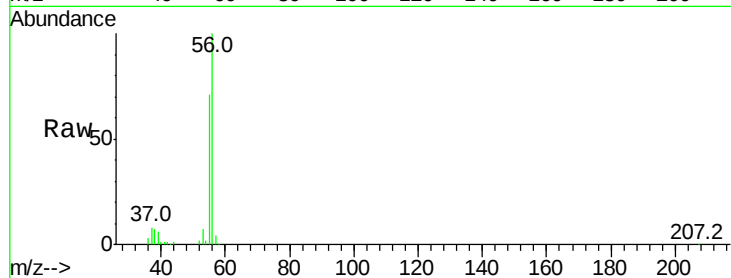
VSTDICCC050

Tgt Ion: 56 Resp: 212243

Ion Ratio Lower Upper

56 100

55 71.7 56.4 84.6



#14

Allyl chloride

Concen: 53.512 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

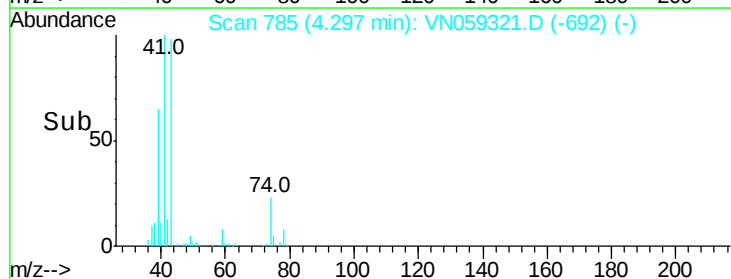
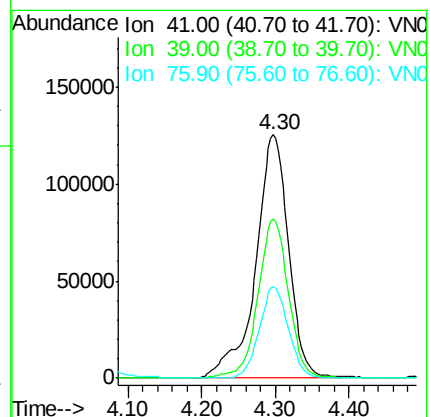
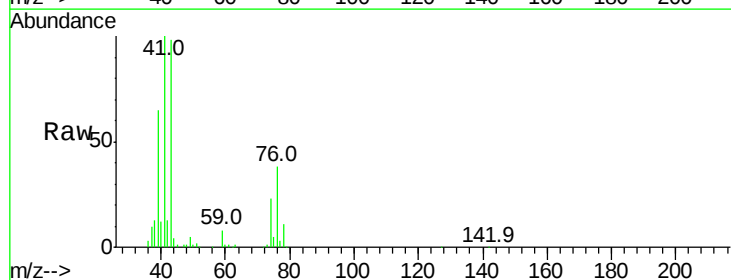
Tgt Ion: 41 Resp: 390541

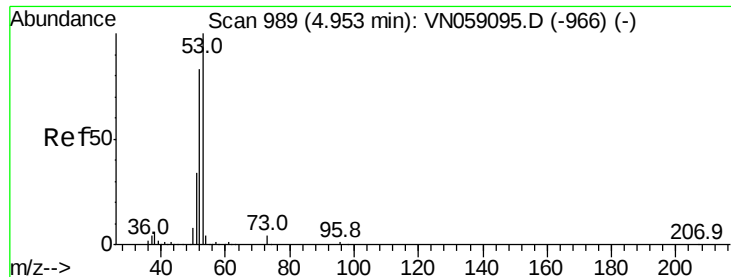
Ion Ratio Lower Upper

41 100

39 60.5 49.1 73.7

76 32.8 24.9 37.3





#15

Acrylonitrile

Concen: 281.112 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

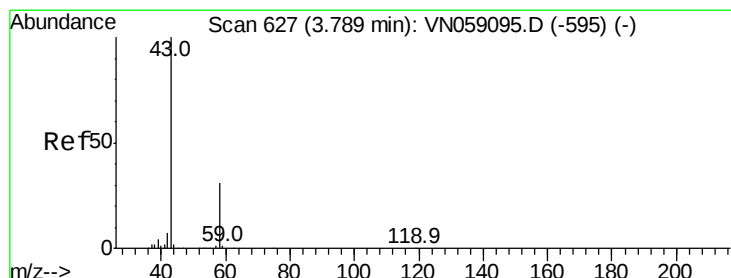
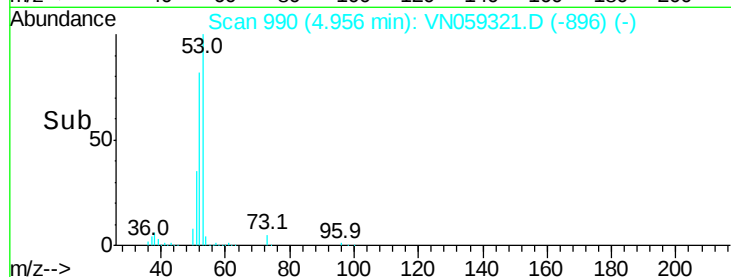
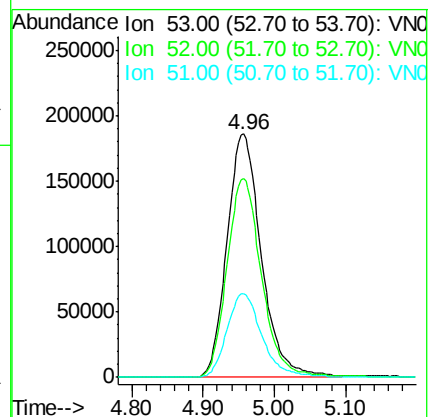
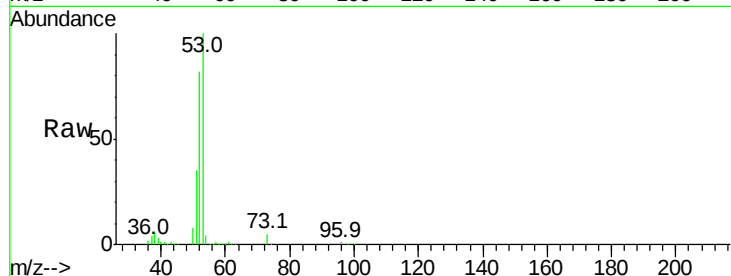
MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 624219

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.2	28.0	42.0



#16

Acetone

Concen: 212.585 ug/l

RT: 3.79 min Scan# 628

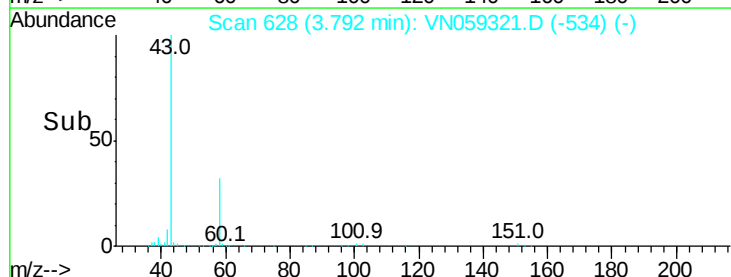
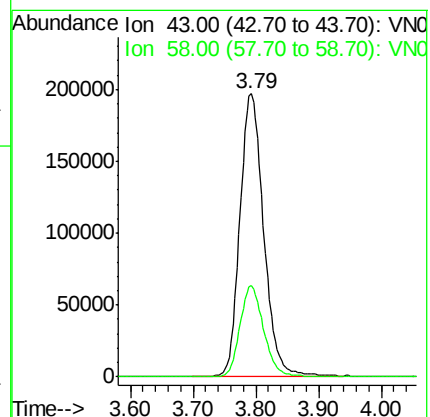
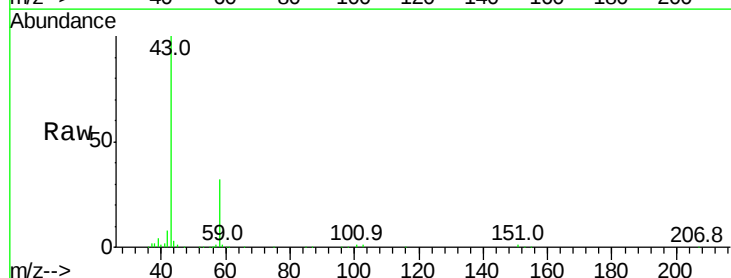
Delta R.T. 0.00 min

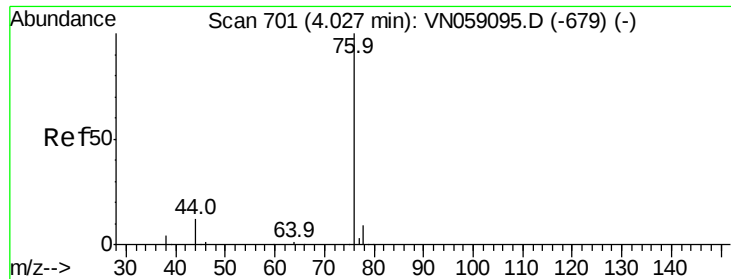
Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion: 43 Resp: 517573

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.9	37.3

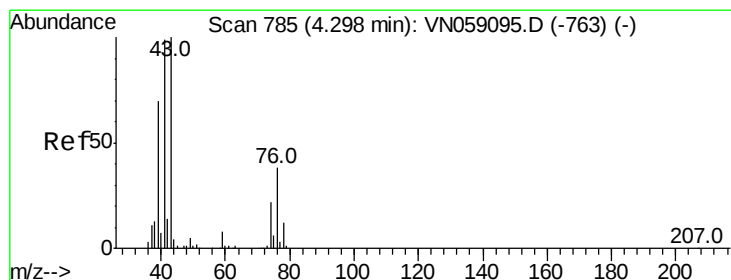
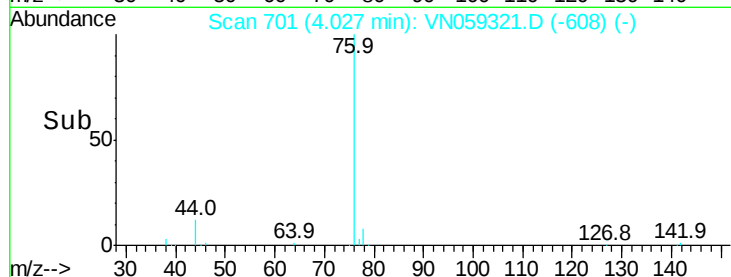
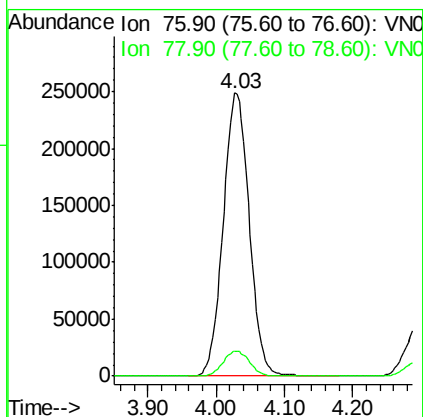
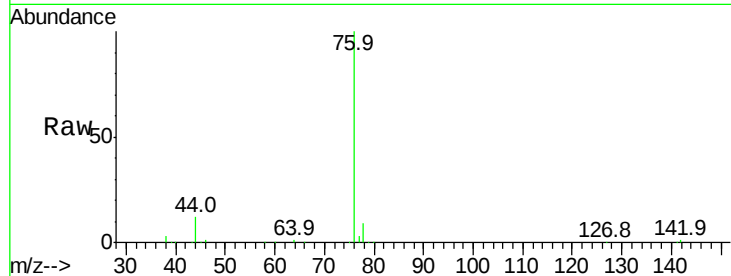




#17
Carbon Disulfide
Concen: 59.725 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

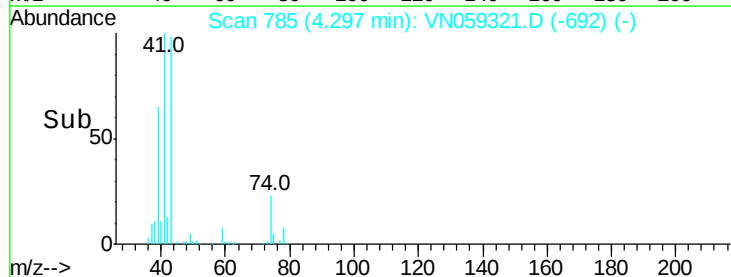
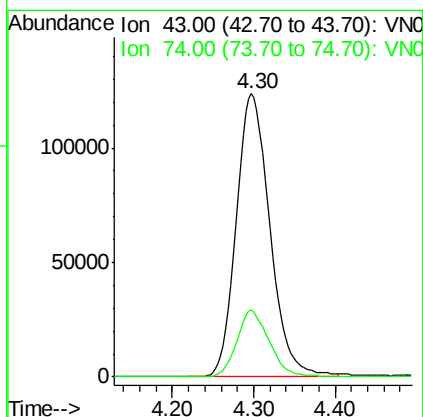
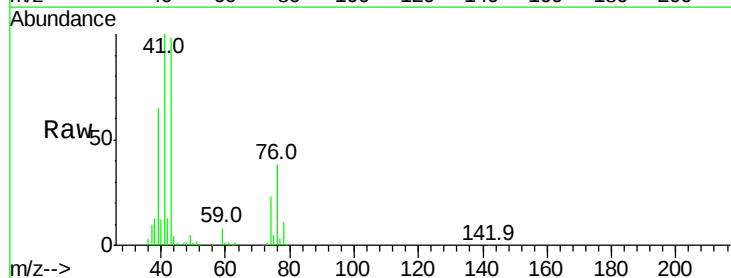
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

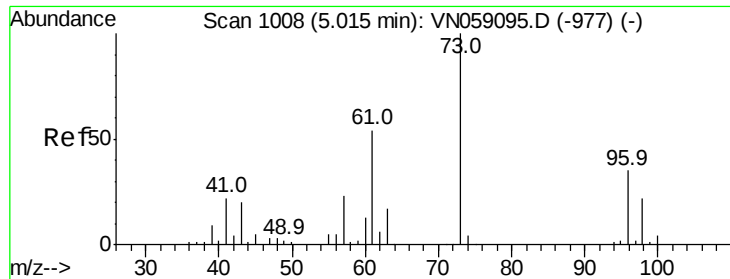
Tgt Ion: 76 Resp: 658710
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 61.251 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 43 Resp: 353963
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8

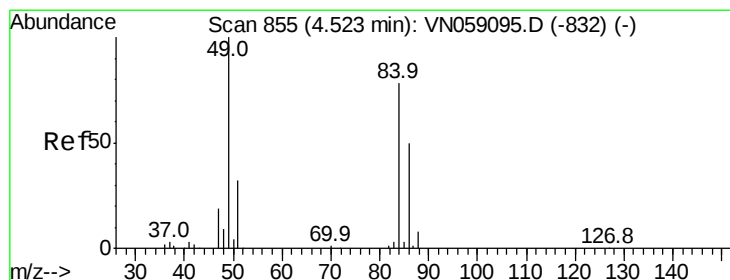
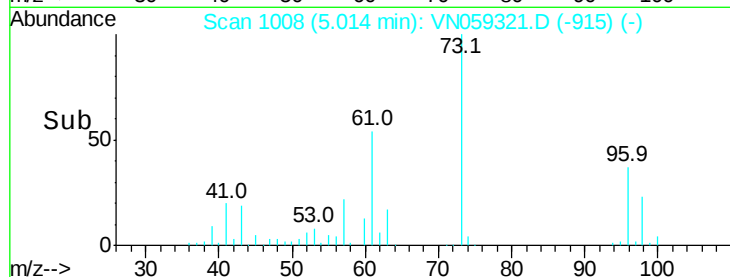
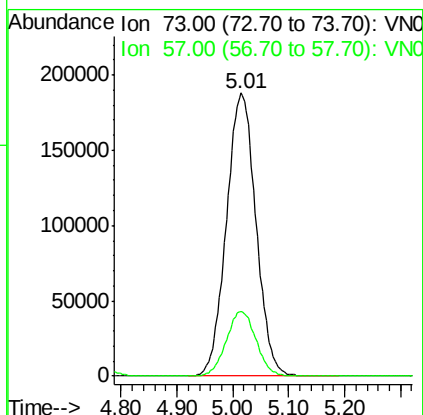
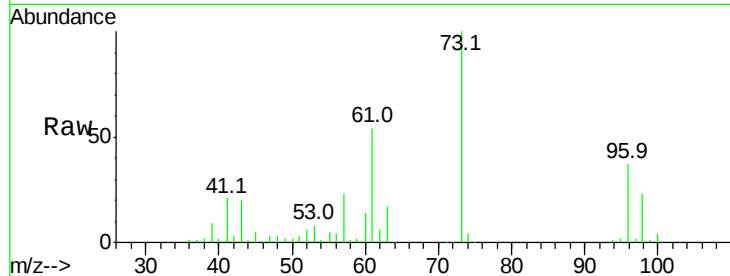




#19
Methyl tert-butyl Ether
Concen: 56.551 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

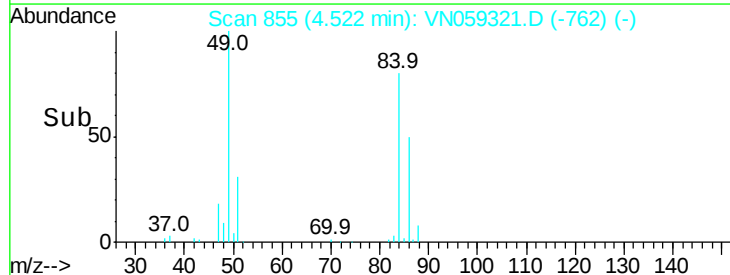
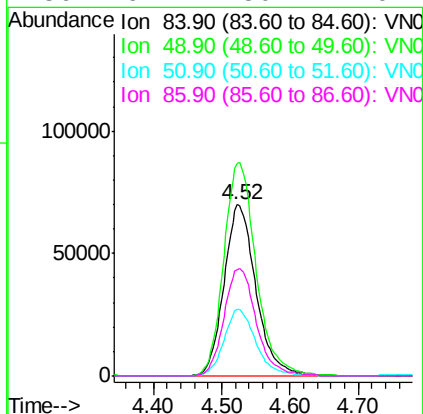
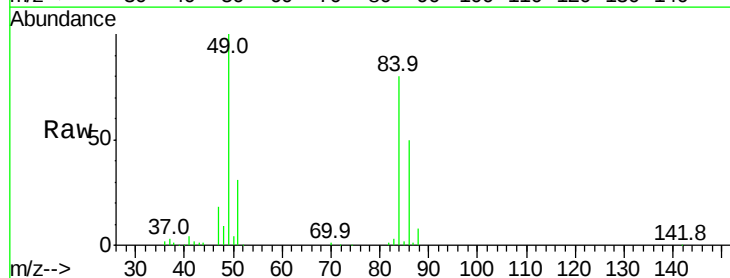
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

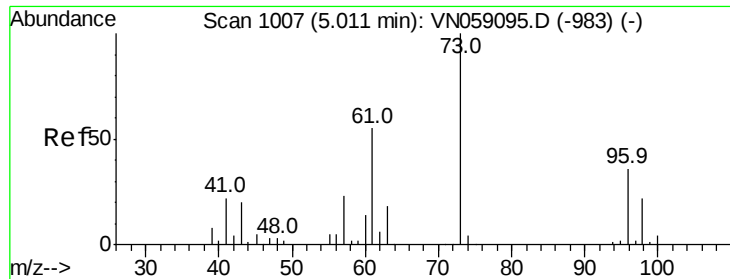
Tgt Ion: 73 Resp: 691751
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 53.818 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 84 Resp: 228272
Ion Ratio Lower Upper
84 100
49 124.4 102.0 153.0
51 38.9 32.2 48.2
86 62.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 58.654 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

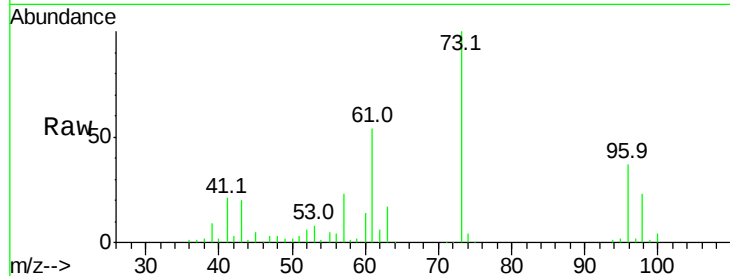
Tgt Ion: 96 Resp: 223688

Ion Ratio Lower Upper

96 100

61 145.5 122.6 183.8

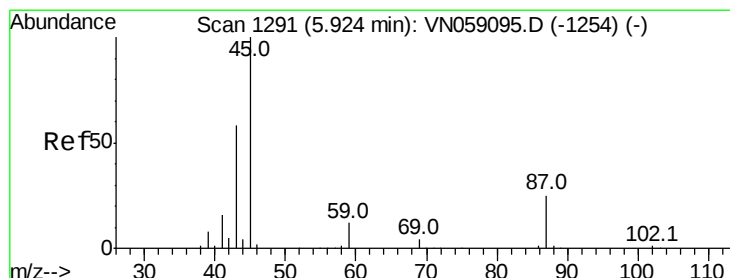
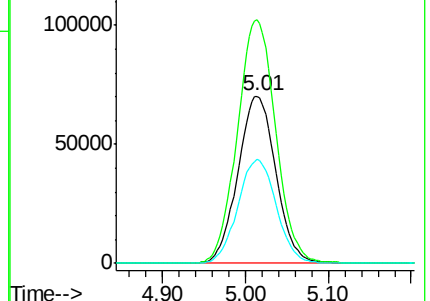
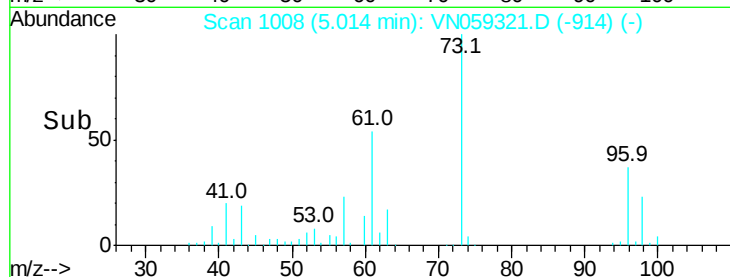
98 62.0 50.3 75.5



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: 54.555 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion: 45 Resp: 752043

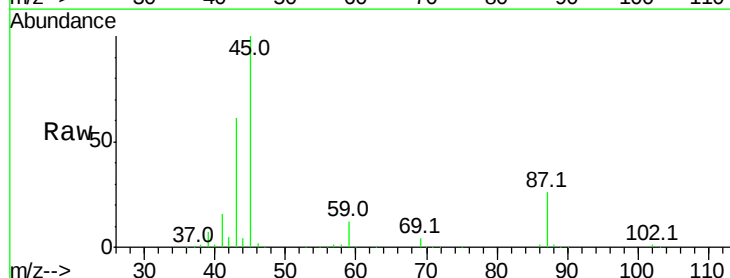
Ion Ratio Lower Upper

45 100

43 59.5 46.7 70.1

87 25.9 20.5 30.7

59 11.8 9.6 14.4

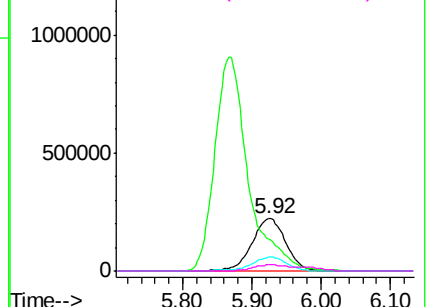
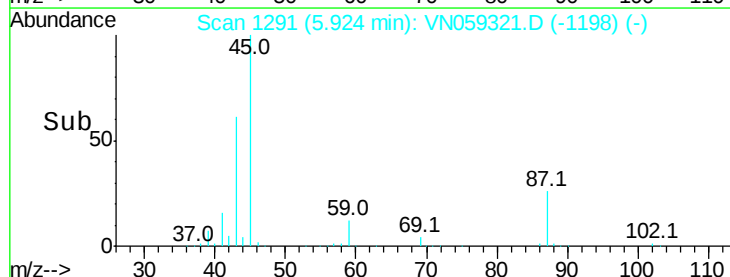


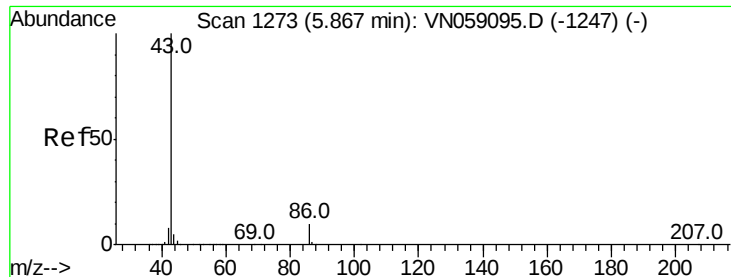
Abundance Ion 45.00 (44.70 to 45.70): VN059095.D (-1254) (-)

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: 284.420 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

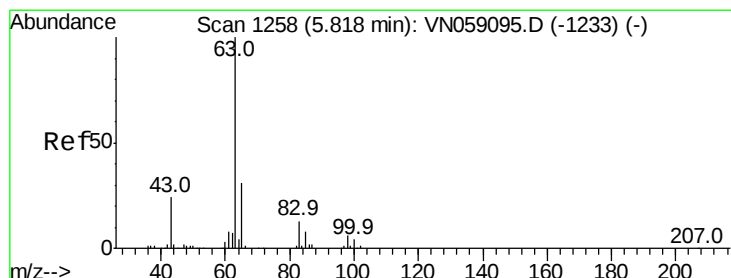
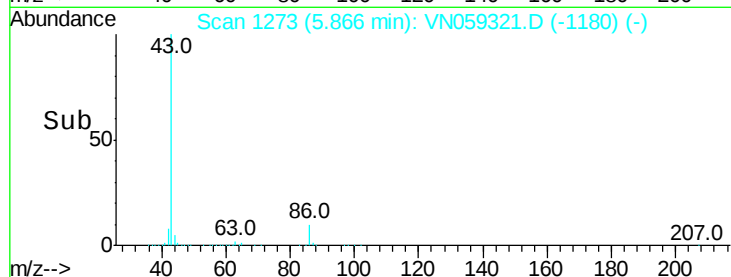
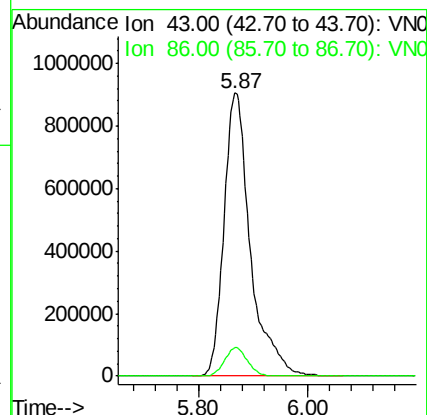
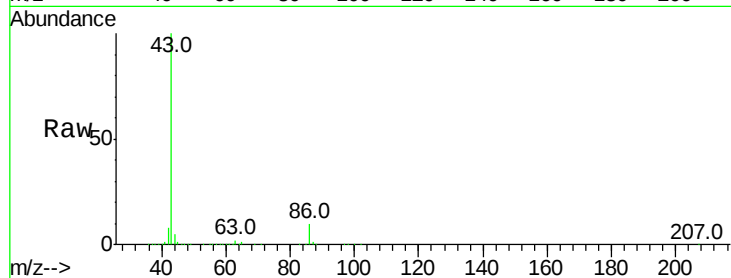
VSTDICCC050

Tgt Ion: 43 Resp: 3038674

Ion Ratio Lower Upper

43 100

86 10.0 7.7 11.5



#24

1,1-Dichloroethane

Concen: 54.942 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

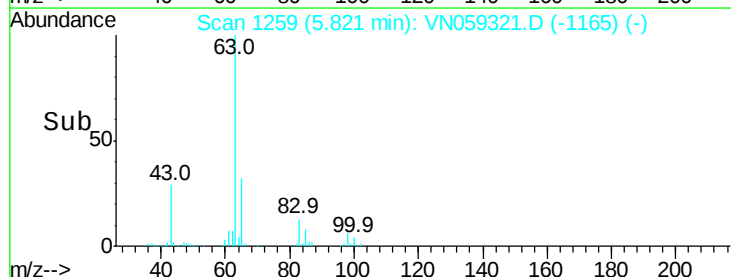
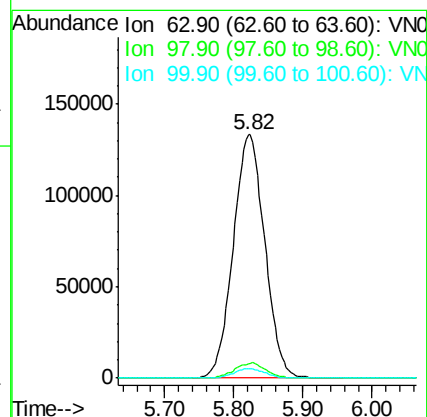
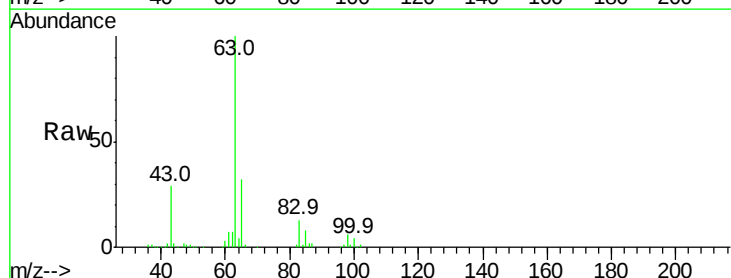
Tgt Ion: 63 Resp: 423018

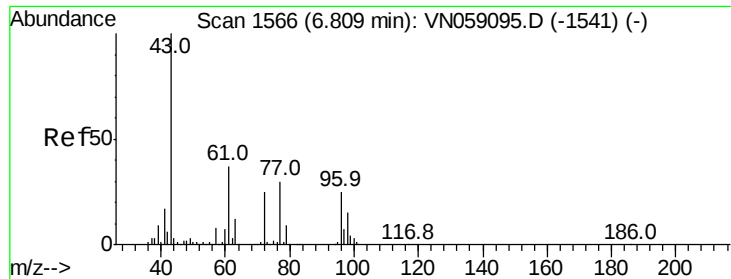
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.9 5.7

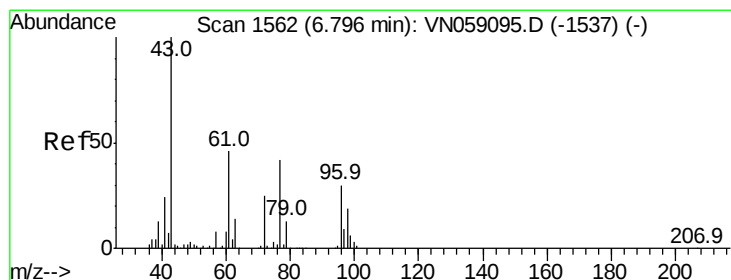
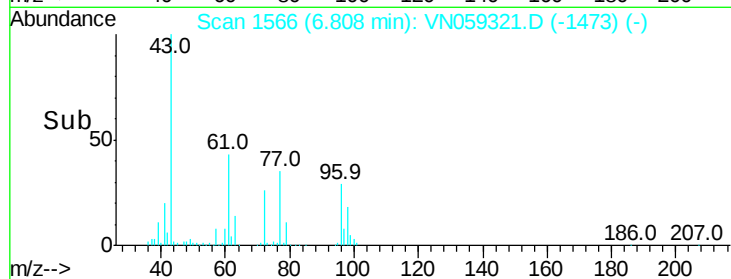
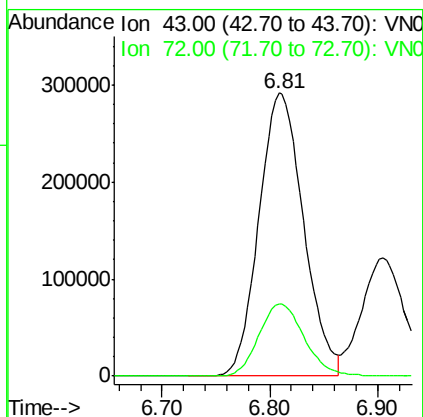
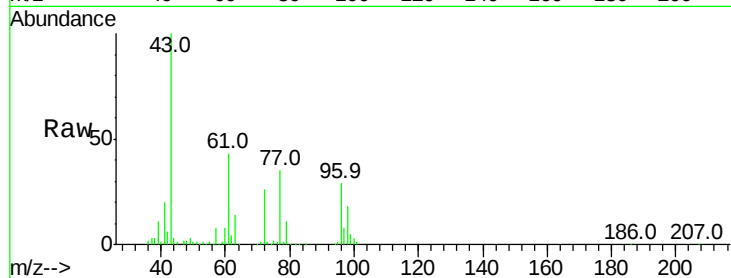




#25
 2-Butanone
 Concen: 259.682 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

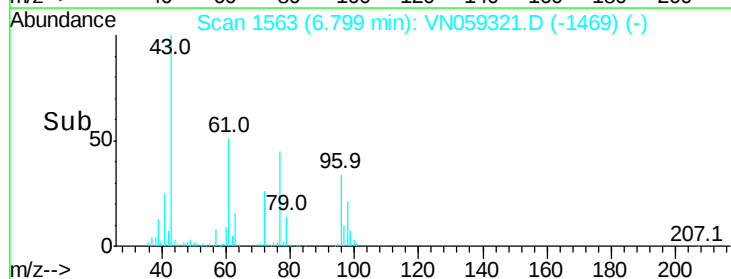
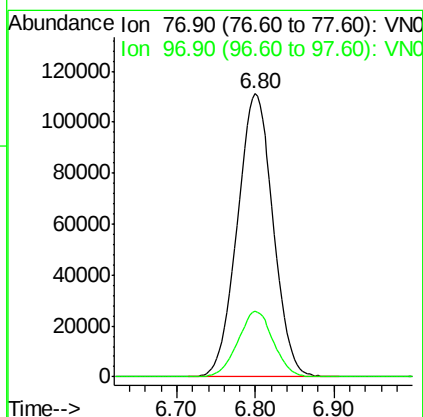
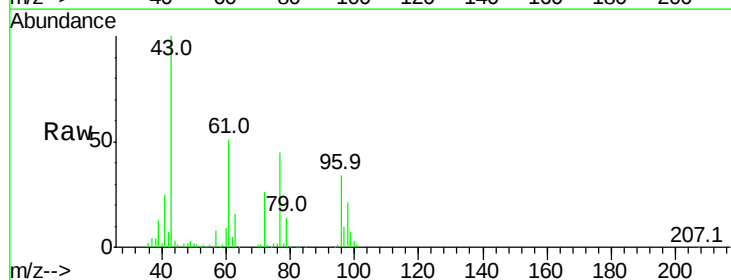
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

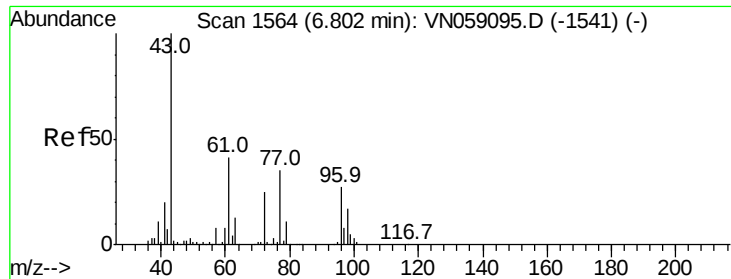
Tgt Ion: 43 Resp: 833254
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.3 30.5



#26
 2,2-Dichloropropane
 Concen: 52.711 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 77 Resp: 354872
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 56.612 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

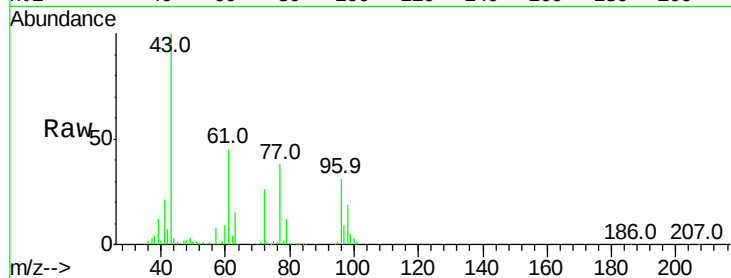
Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 250482

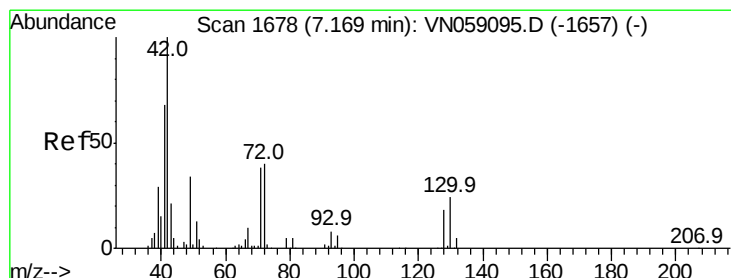
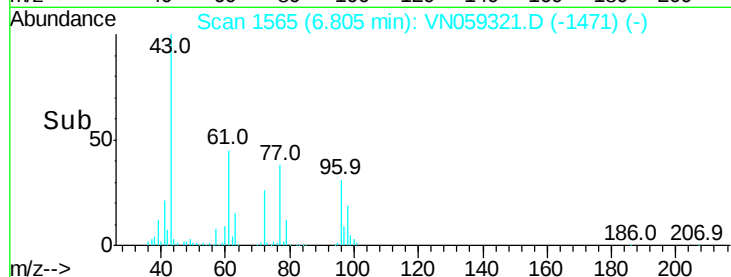
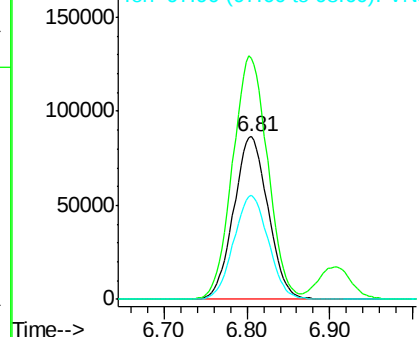
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	311.6
98	64.2	0.0	129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1541) (-)



#28

Bromochloromethane

Concen: 70.853 ug/l

RT: 7.17 min Scan# 1679

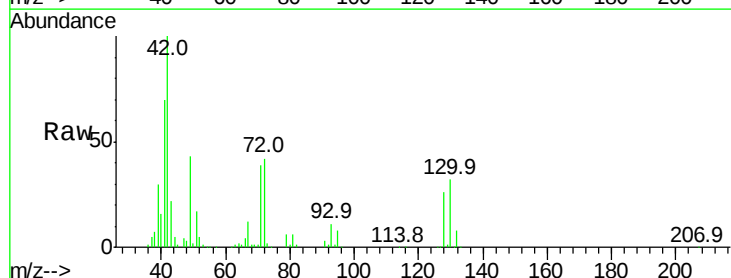
Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion: 49 Resp: 164125

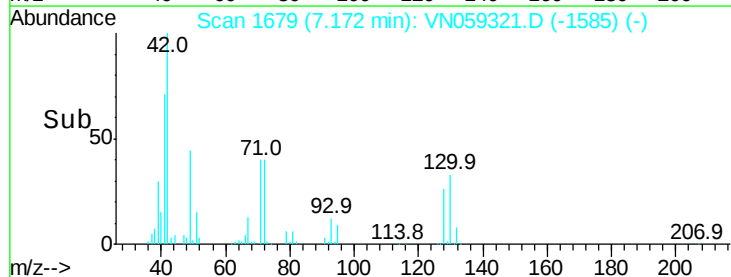
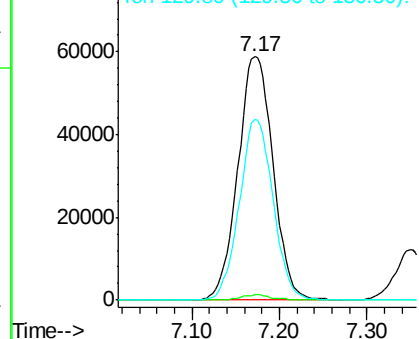
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.3	55.6	83.4

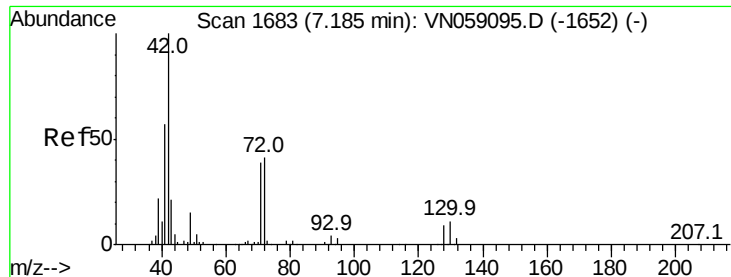


Abundance Ion 48.90 (48.60 to 49.60): VN059095.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059095.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059095.D (-1657) (-)





#29

Tetrahydrofuran

Concen: 281.615 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

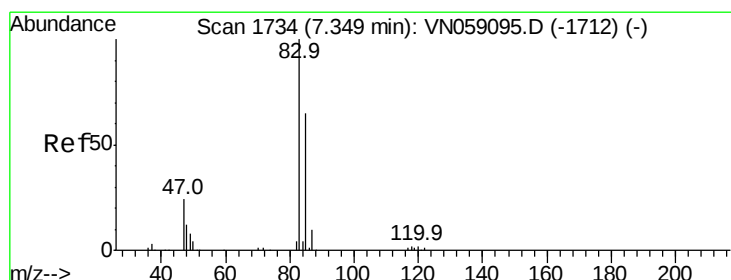
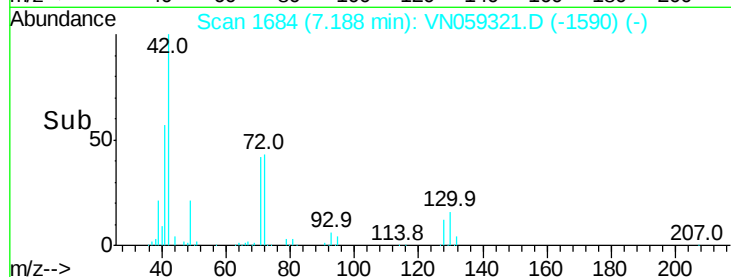
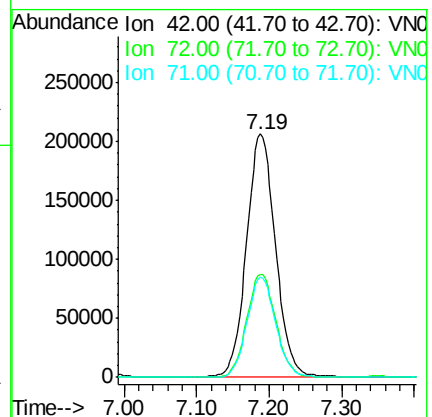
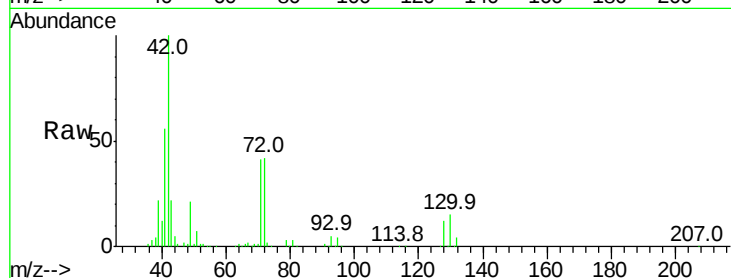
Tgt Ion: 42 Resp: 574166

Ion Ratio Lower Upper

42 100

72 42.7 33.1 49.7

71 40.7 30.9 46.3



#30

Chloroform

Concen: 54.664 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059321.D

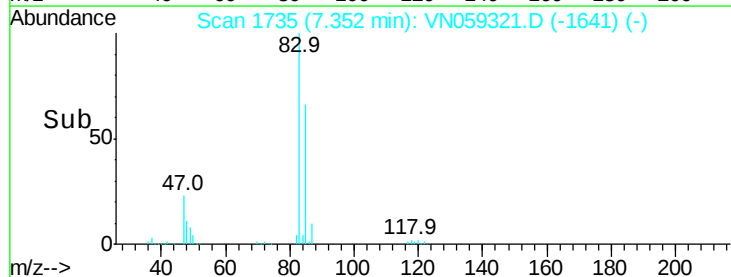
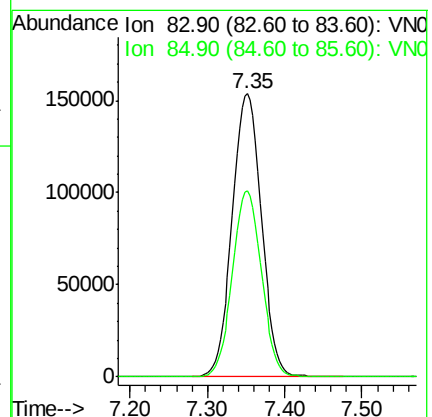
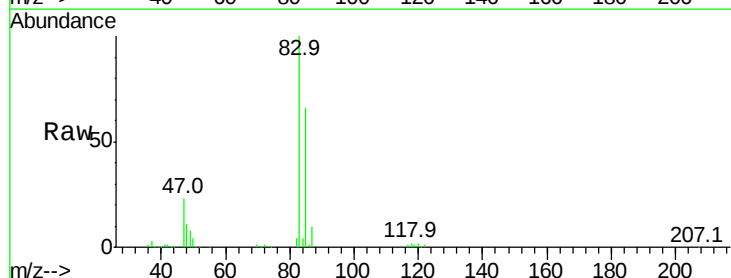
Acq: 20 Nov 2019 12:30

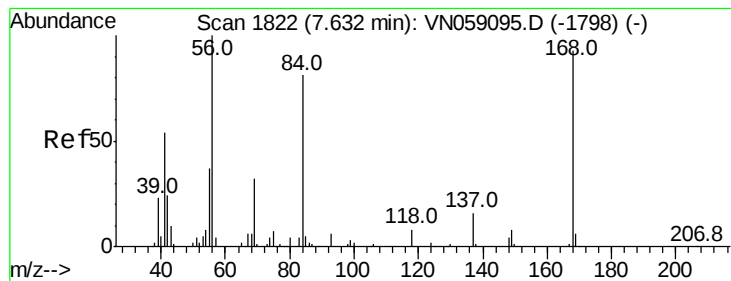
Tgt Ion: 83 Resp: 403736

Ion Ratio Lower Upper

83 100

85 65.9 51.8 77.8





#31

Cyclohexane

Concen: 54.776 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

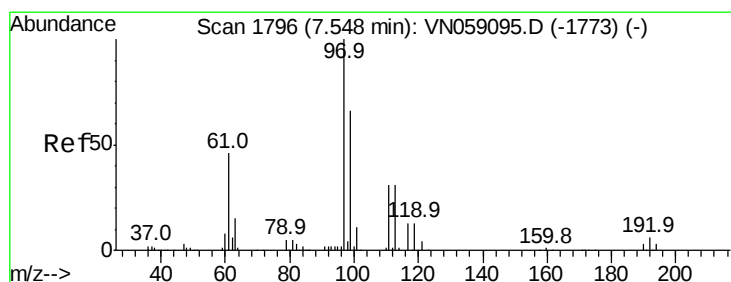
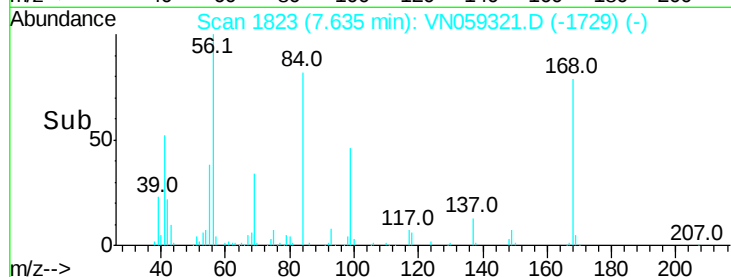
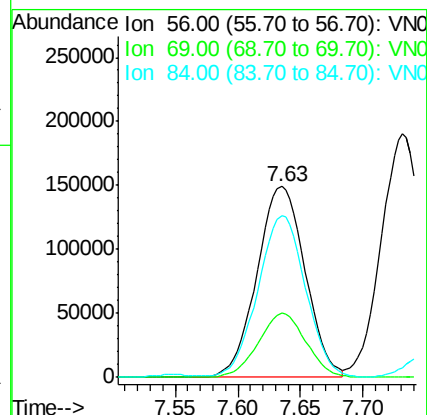
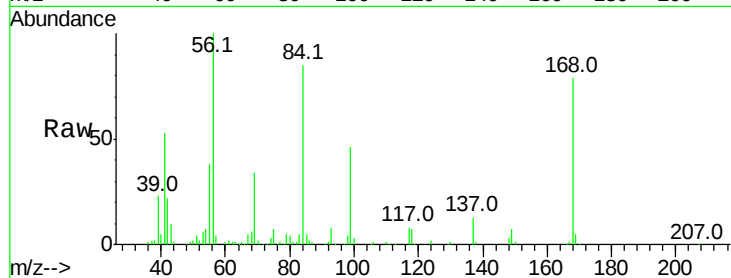
Tgt Ion: 56 Resp: 399253

Ion Ratio Lower Upper

56 100

69 33.3 25.8 38.8

84 83.7 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 55.575 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

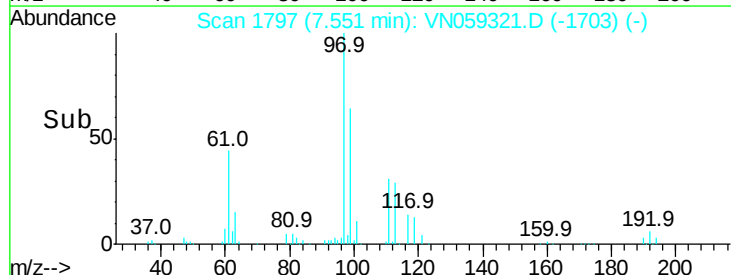
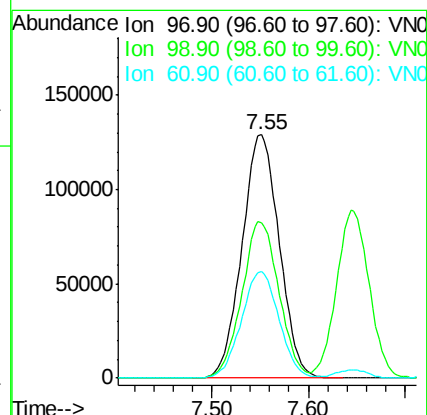
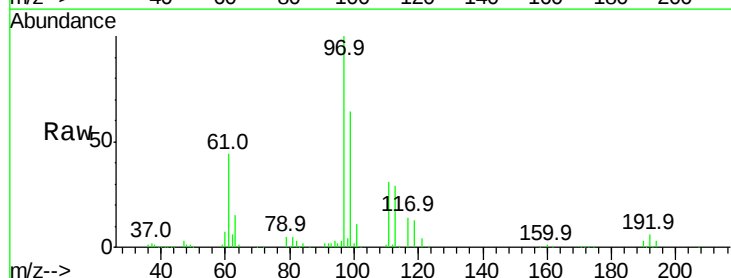
Tgt Ion: 97 Resp: 345098

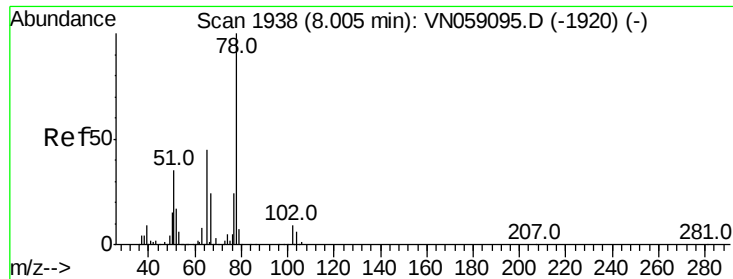
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 44.1 35.8 53.8

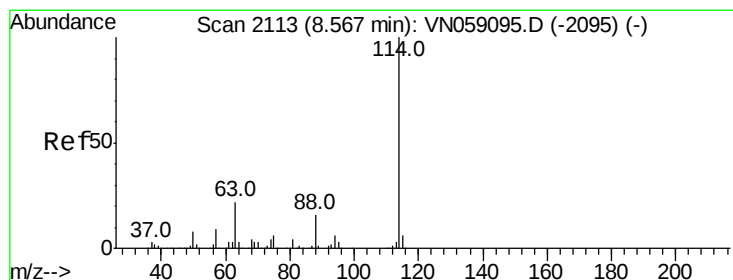
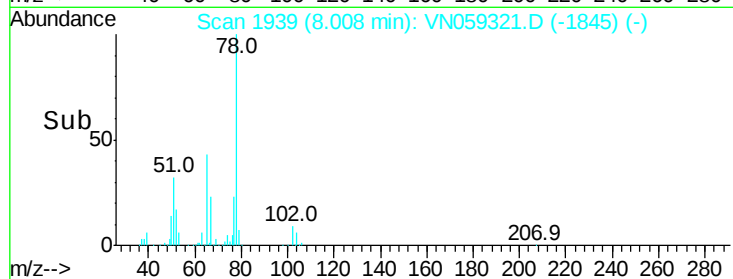
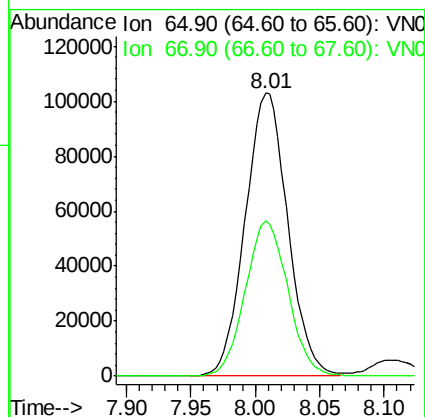
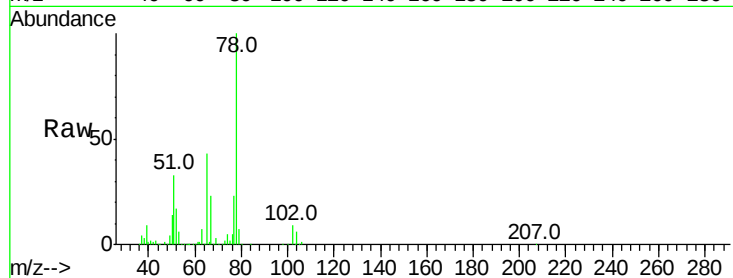




#33
 1,2-Dichloroethane-d4
 Concen: 50.621 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

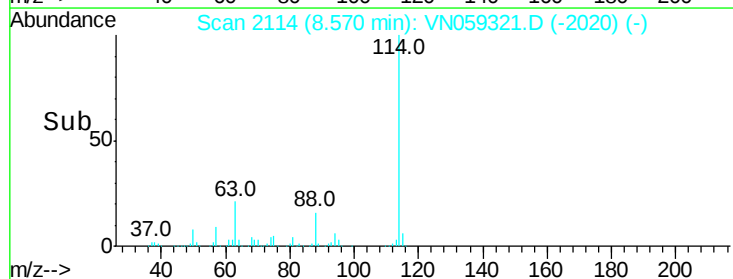
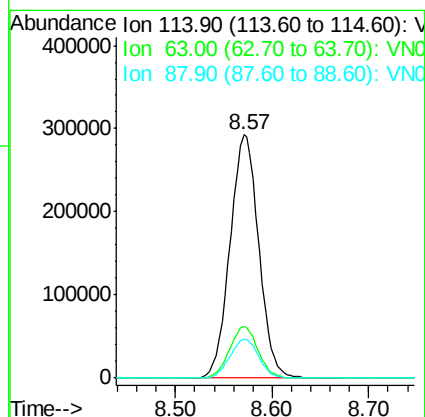
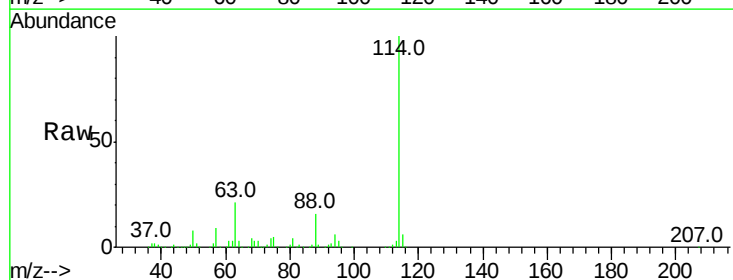
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

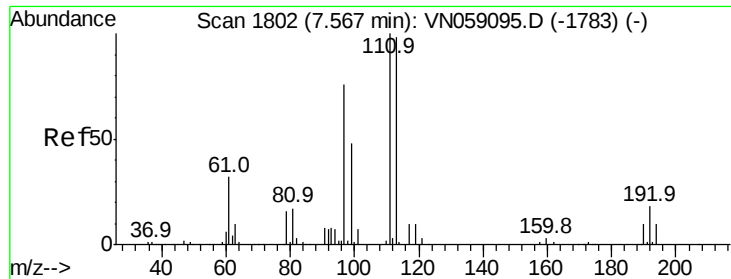
Tgt Ion: 65 Resp: 236999
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 114 Resp: 602738
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.4
 88 16.1 0.0 32.2

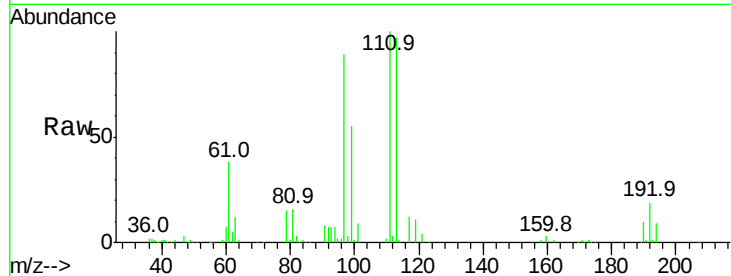




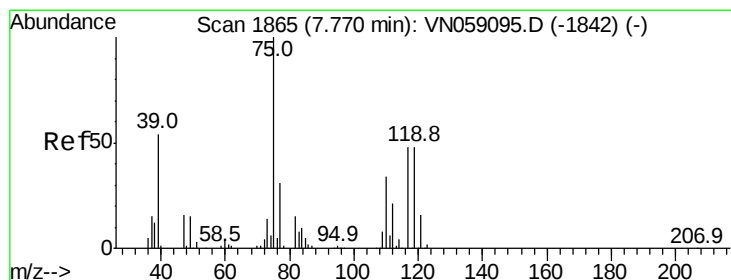
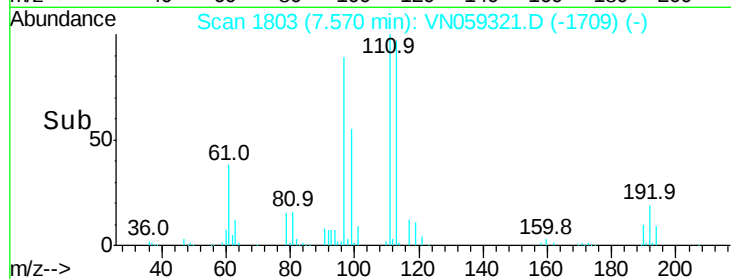
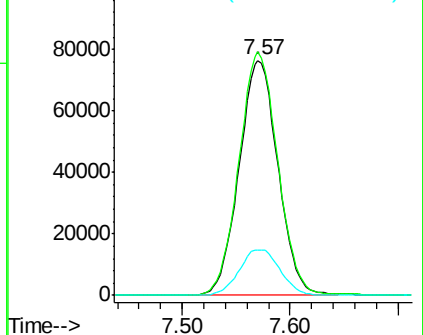
#35
 Dibromofluoromethane
 Concen: 53.075 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 191012
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 20.4 16.1 24.1

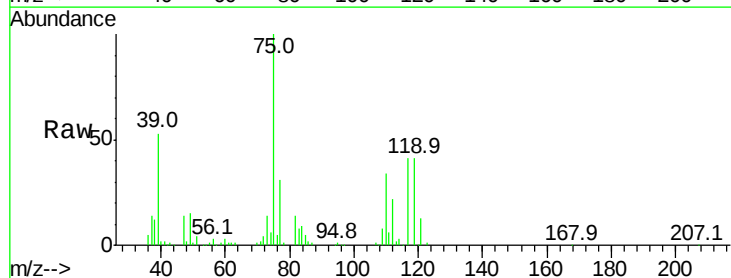


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

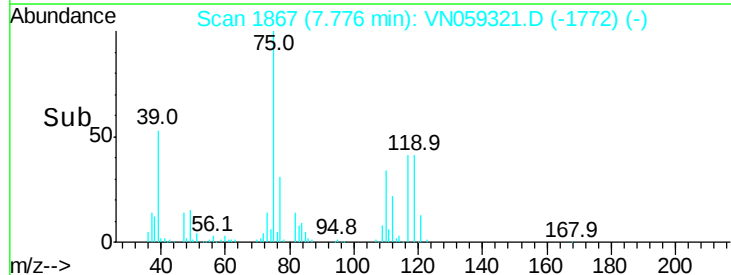
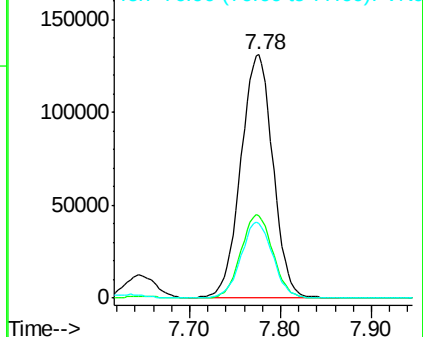


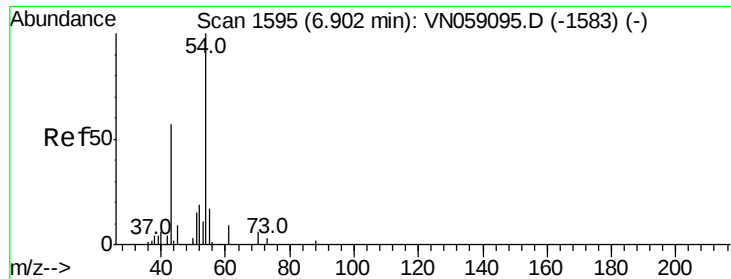
#36
 1,1-Dichloropropene
 Concen: 56.887 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 75 Resp: 320492
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.1 51.2
 77 31.0 24.8 37.2



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

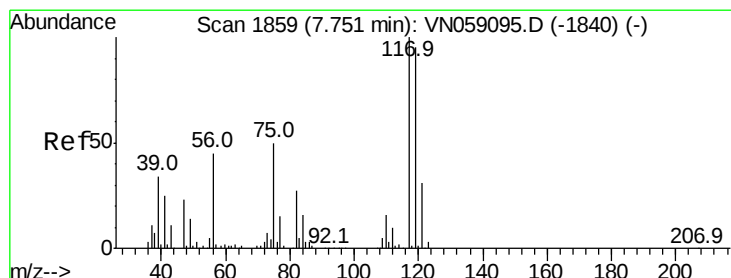
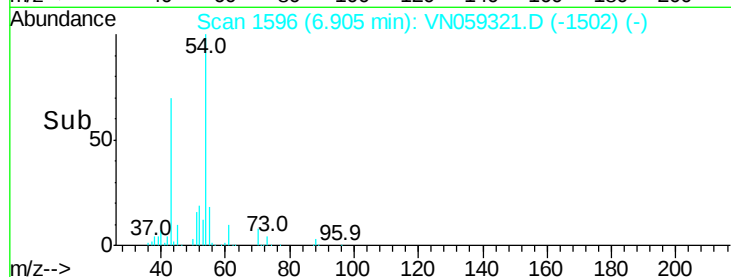
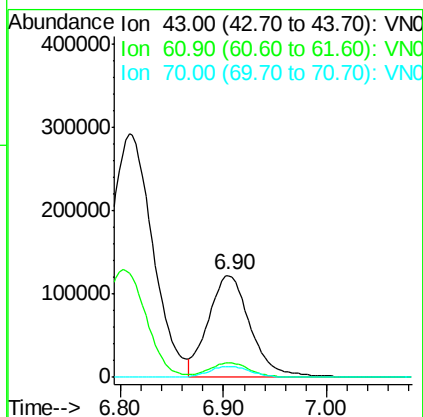
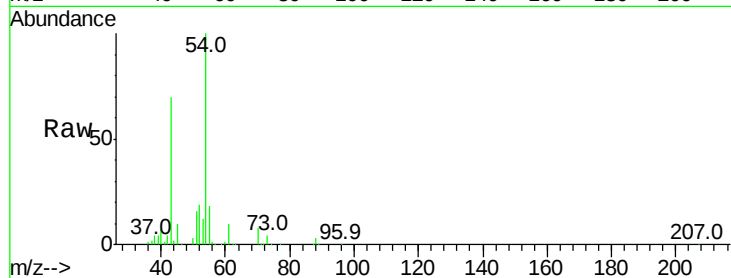




#37
 Ethyl Acetate
 Concen: 54.409 ug/l
 RT: 6.90 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

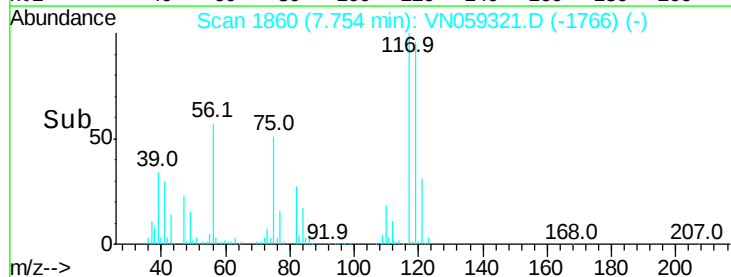
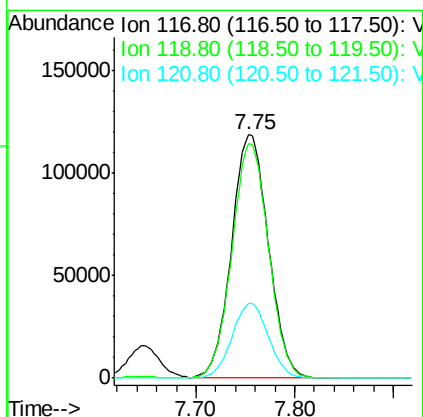
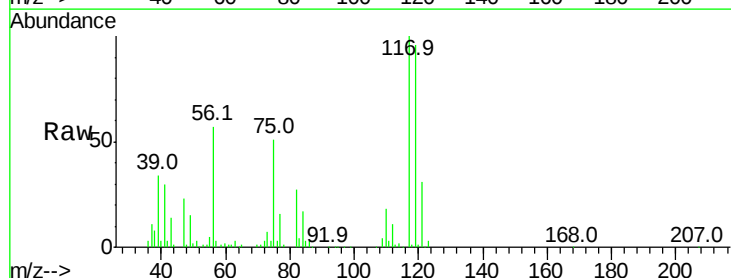
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

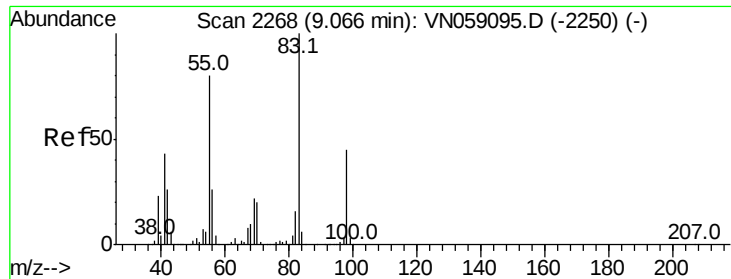
Tgt Ion: 43 Resp: 341006
 Ion Ratio Lower Upper
 43 100
 61 13.8 11.2 16.8
 70 11.0 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 54.962 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 117 Resp: 308196
 Ion Ratio Lower Upper
 117 100
 119 96.2 75.6 113.4
 121 30.5 24.6 36.8

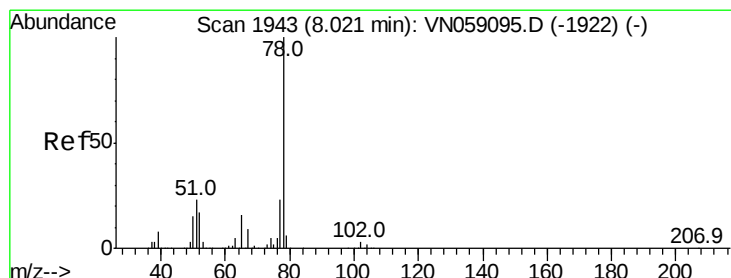
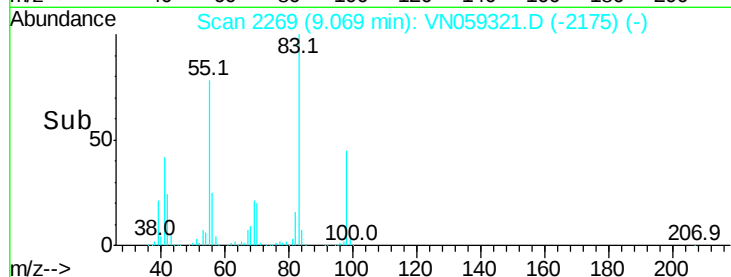
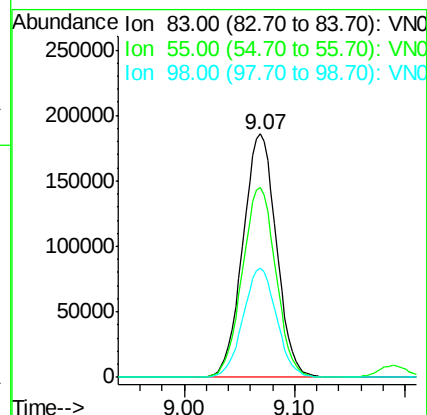
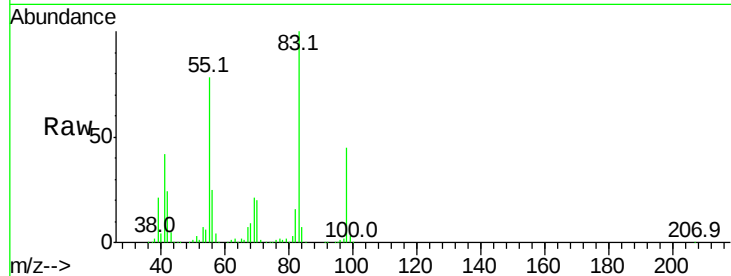




#39
Methylcyclohexane
Concen: 59.818 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

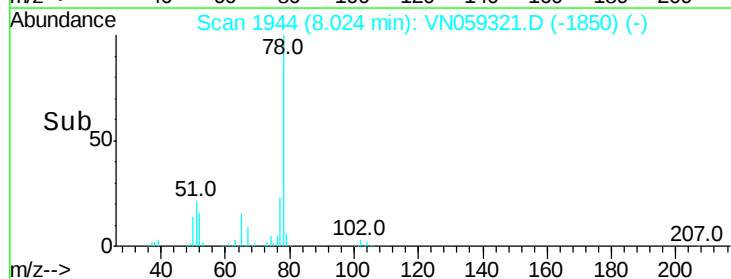
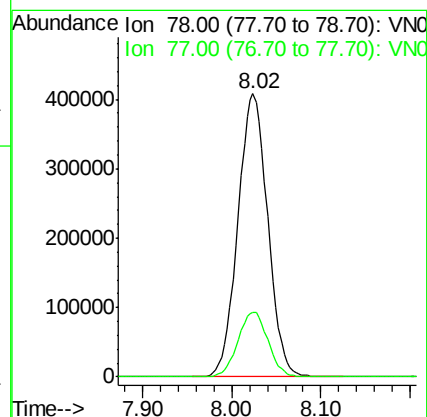
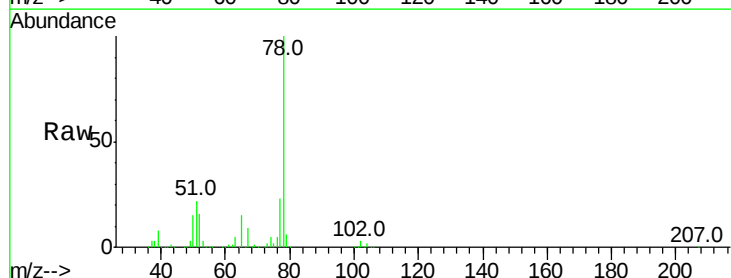
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

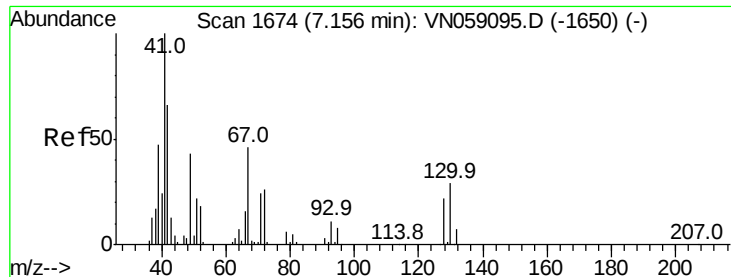
Tgt Ion: 83 Resp: 391124
Ion Ratio Lower Upper
83 100
55 77.9 63.9 95.9
98 45.0 35.6 53.4



#40
Benzene
Concen: 55.844 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 78 Resp: 947415
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

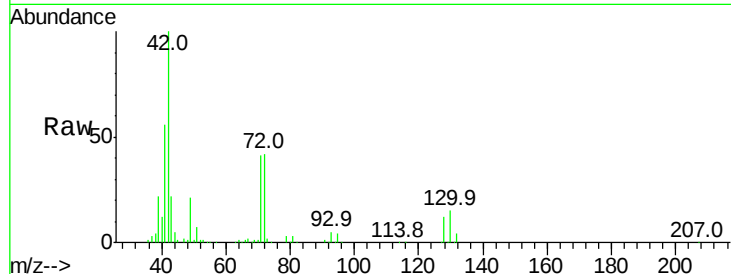




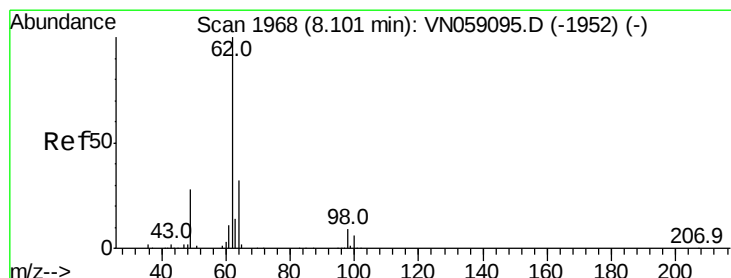
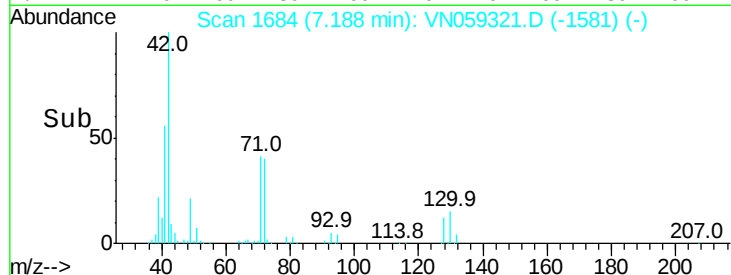
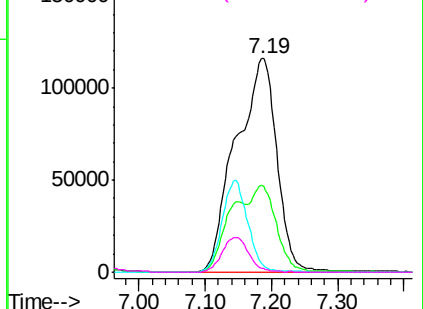
#41
Methacrylonitrile
Concen: 182.838 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	498302
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

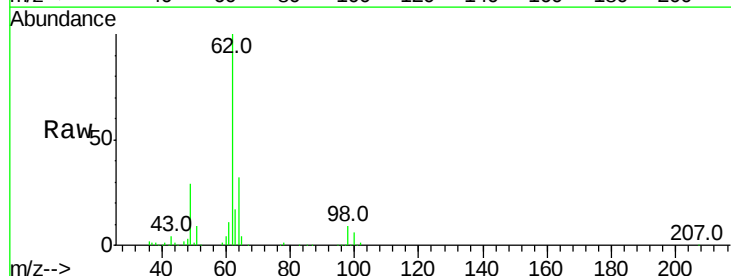


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

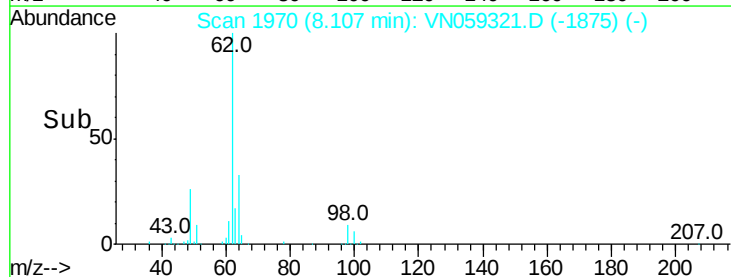
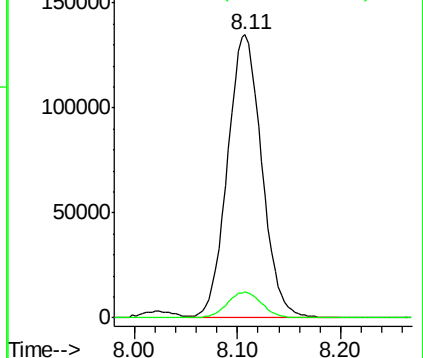


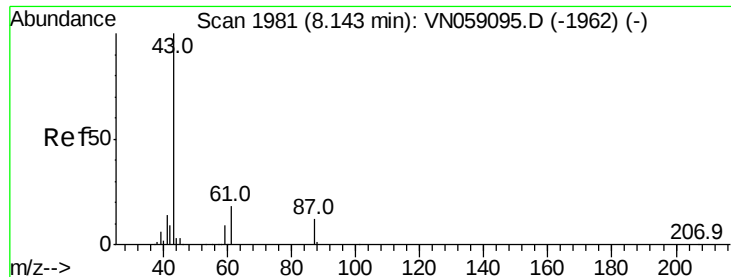
#42
1,2-Dichloroethane
Concen: 53.439 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion:	62	Resp:	310947
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8



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

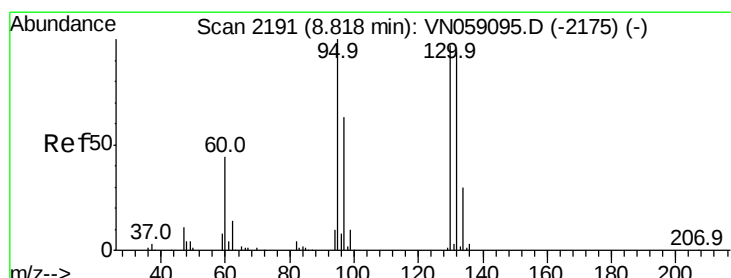
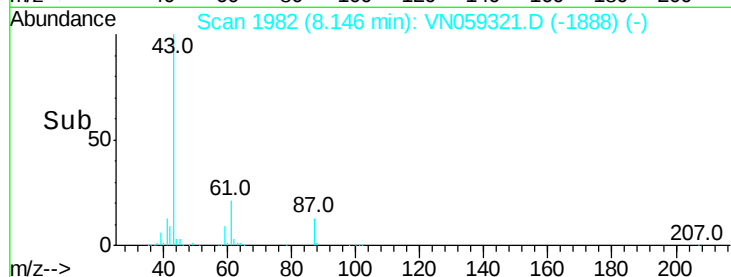
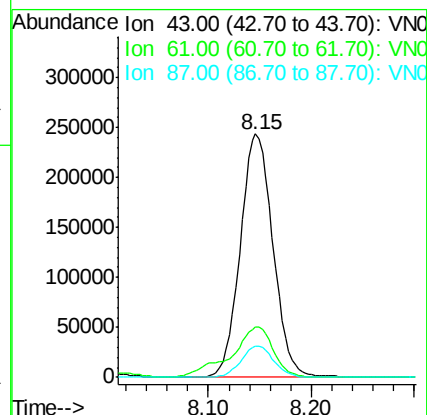
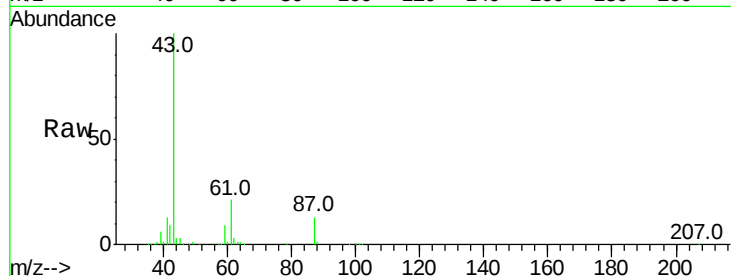




#43
Isopropyl Acetate
Concen: 53.578 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

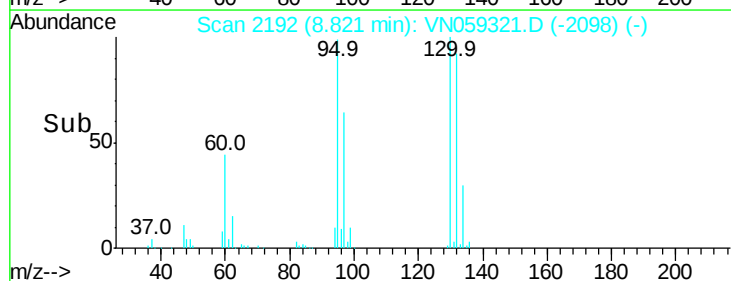
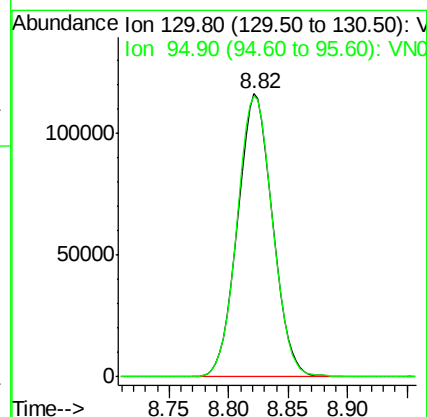
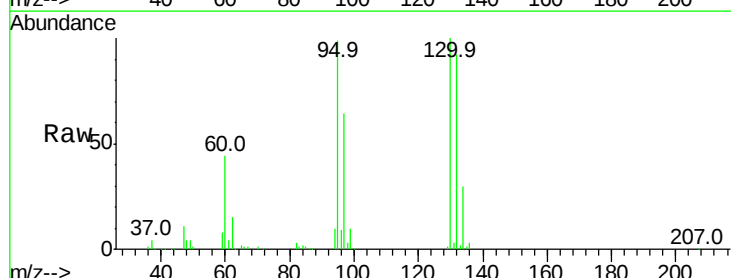
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

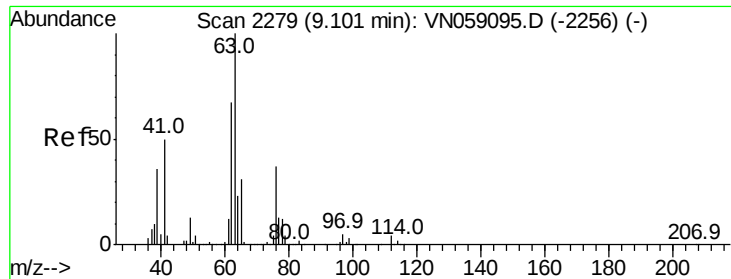
Tgt Ion: 43 Resp: 535346
Ion Ratio Lower Upper
43 100
61 27.1 21.0 31.6
87 12.8 9.8 14.6



#44
Trichloroethene
Concen: 56.813 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 130 Resp: 236933
Ion Ratio Lower Upper
130 100
95 99.2 0.0 206.4

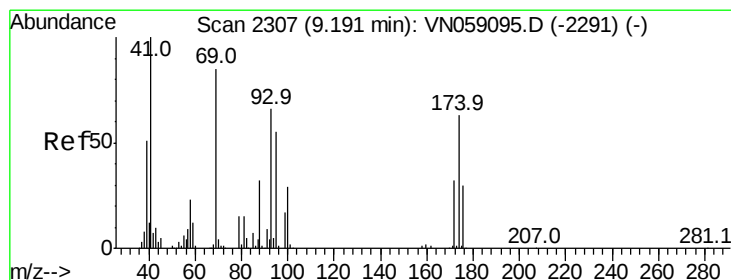
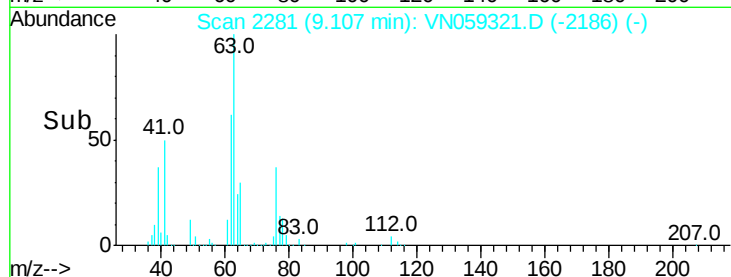
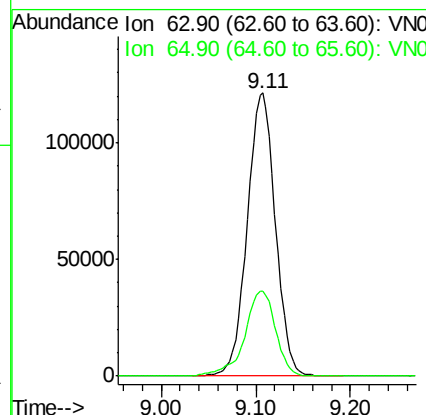
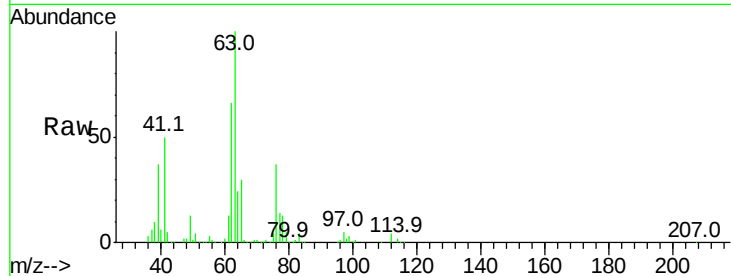




#45
 1,2-Dichloropropane
 Concen: 54.338 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

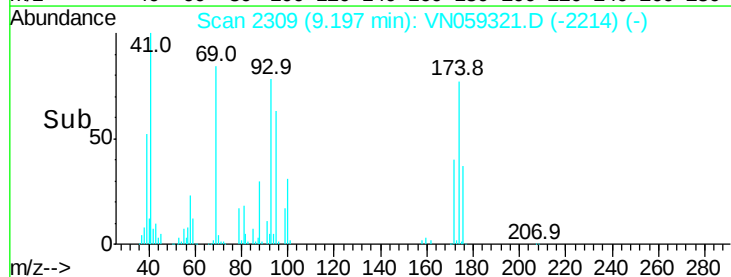
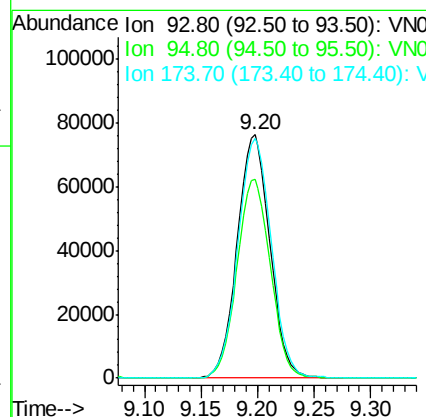
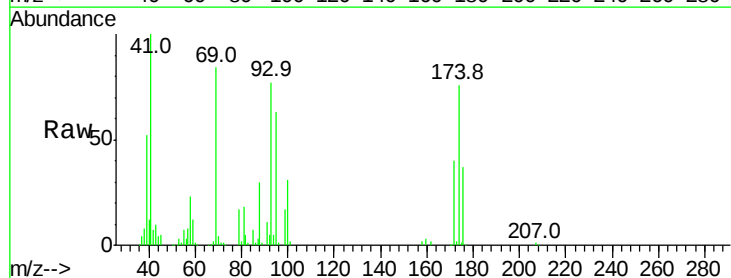
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

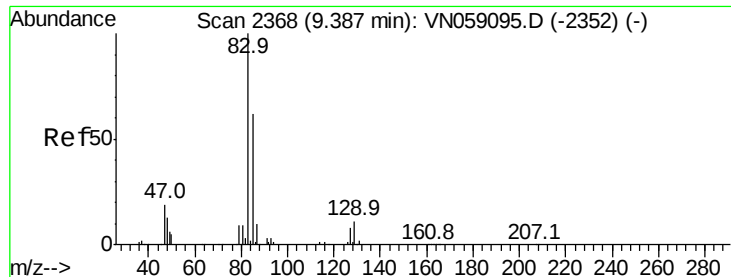
Tgt Ion: 63 Resp: 250395
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0



#46
 Dibromomethane
 Concen: 53.543 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 93 Resp: 153750
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 100.7 78.2 117.2





#47

Bromodichloromethane

Concen: 54.498 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

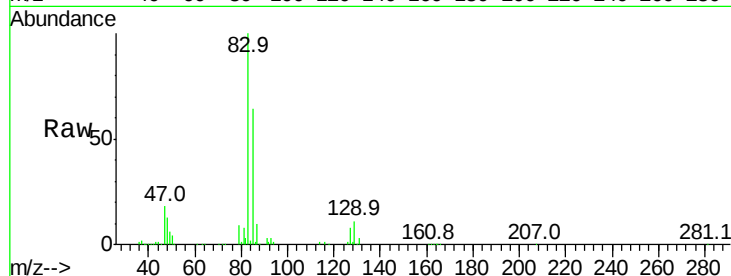
Tgt Ion: 83 Resp: 312489

Ion Ratio Lower Upper

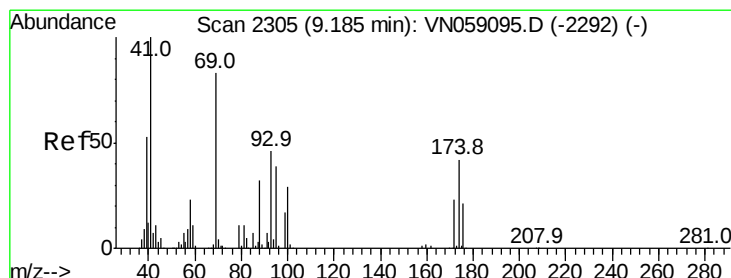
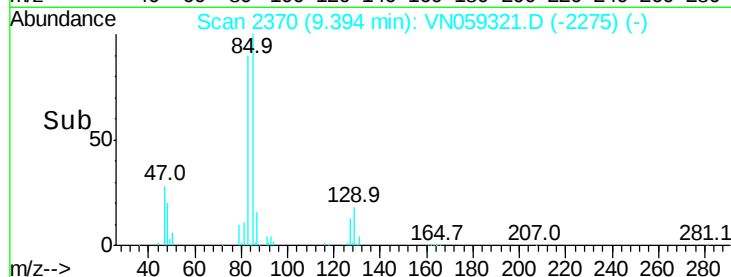
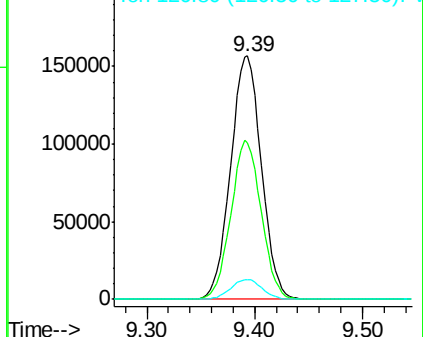
83 100

85 64.4 49.7 74.5

127 8.3 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: 54.751 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

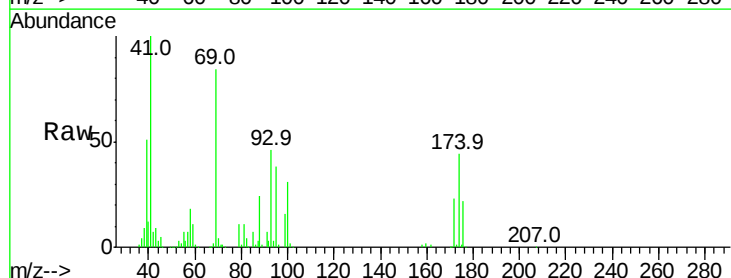
Tgt Ion: 41 Resp: 244704

Ion Ratio Lower Upper

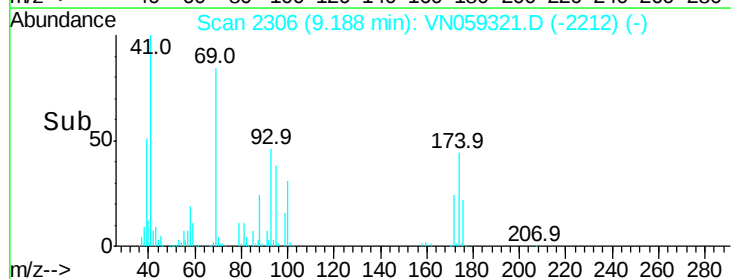
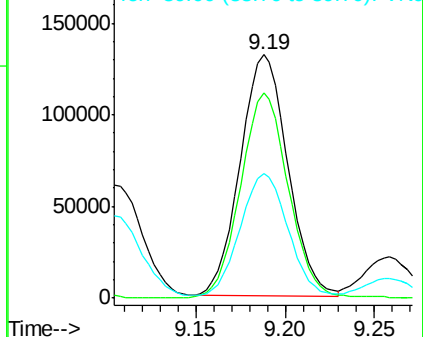
41 100

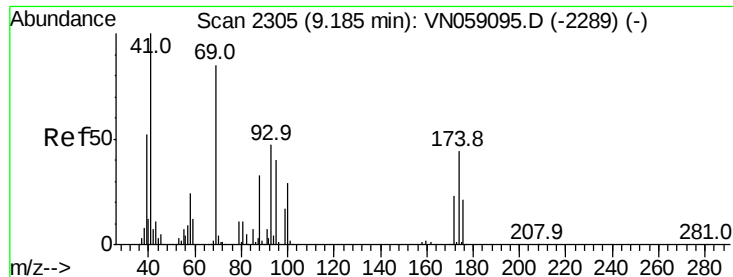
69 86.0 67.3 100.9

39 52.6 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

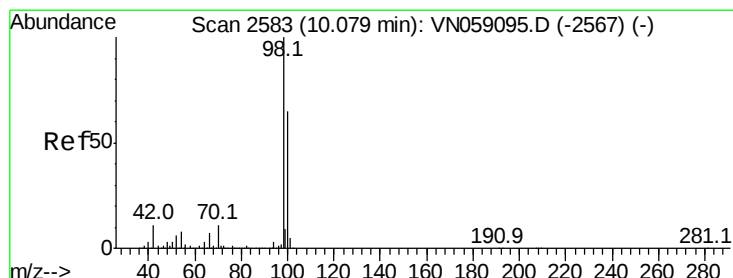
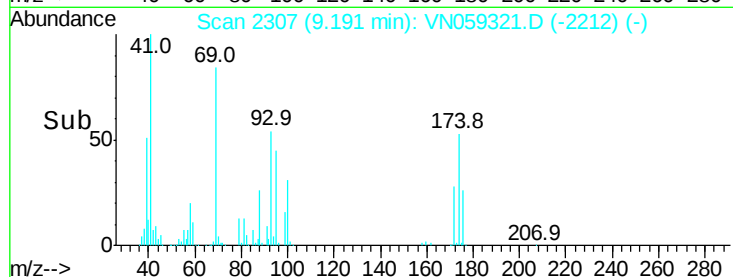
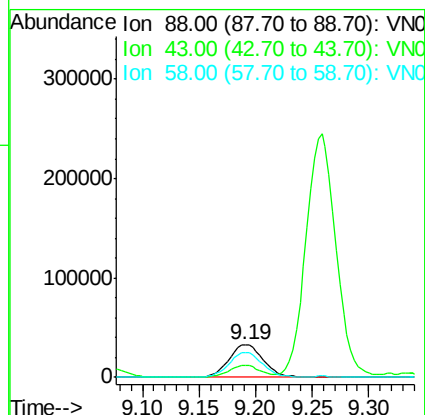
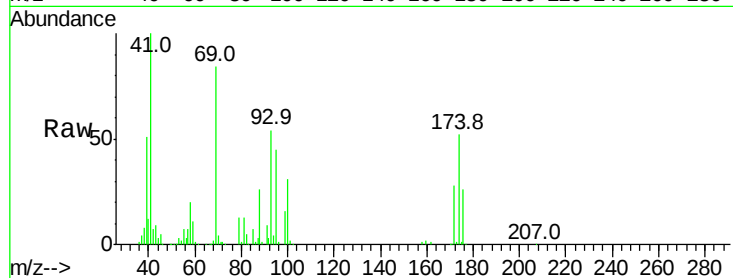




#49
1,4-Dioxane
Concen: 883.702 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

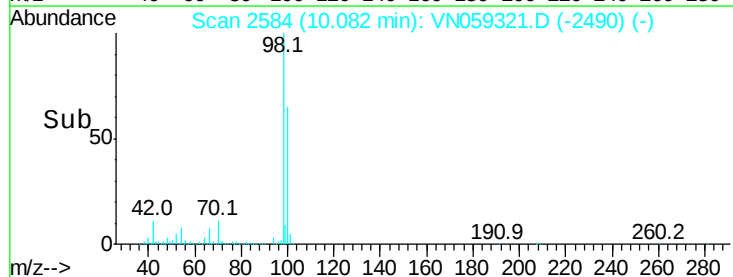
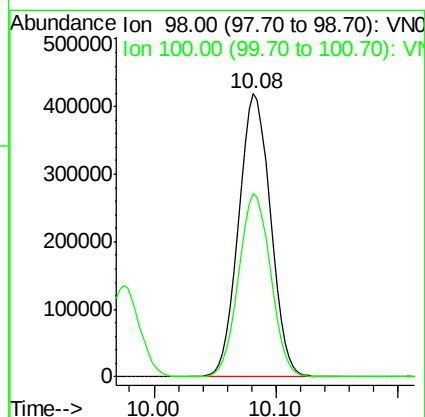
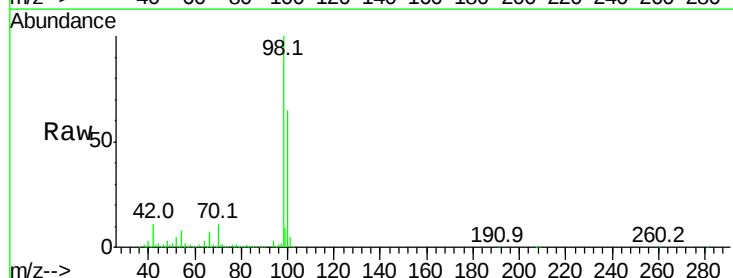
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

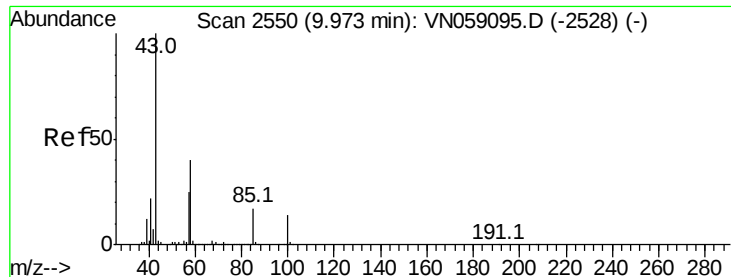
Tgt Ion: 88 Resp: 70190
Ion Ratio Lower Upper
88 100
43 33.6 26.3 39.5
58 74.0 60.6 90.8



#50
Toluene-d8
Concen: 53.605 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 98 Resp: 759903
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

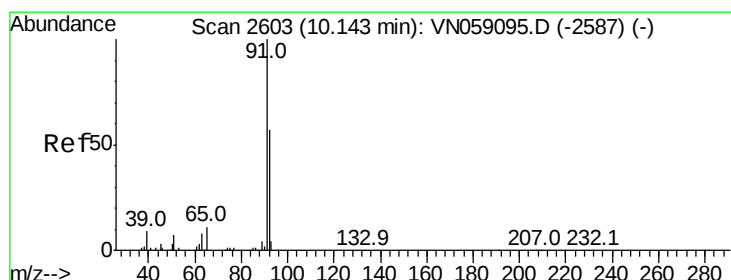
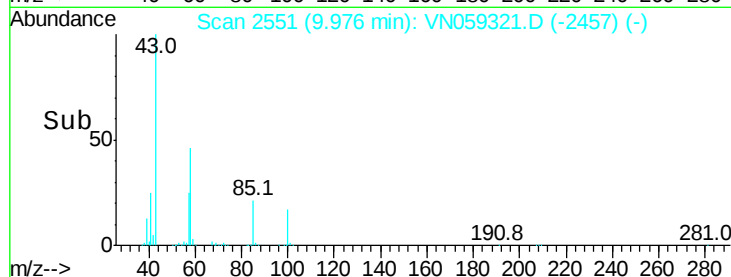
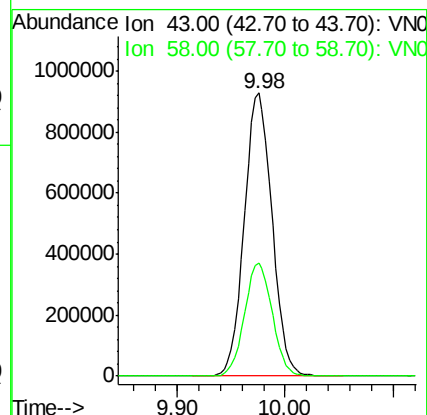
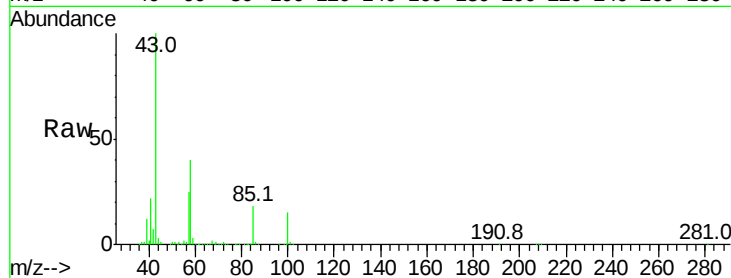




#51
 4-Methyl-2-Pentanone
 Concen: 294.606 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

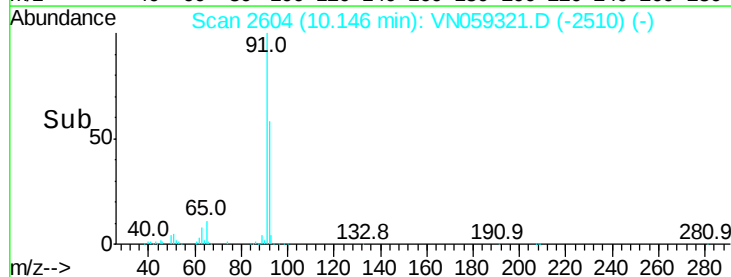
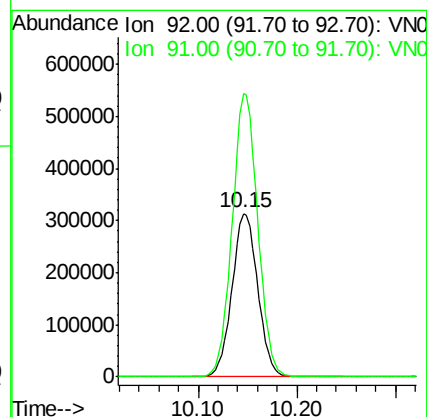
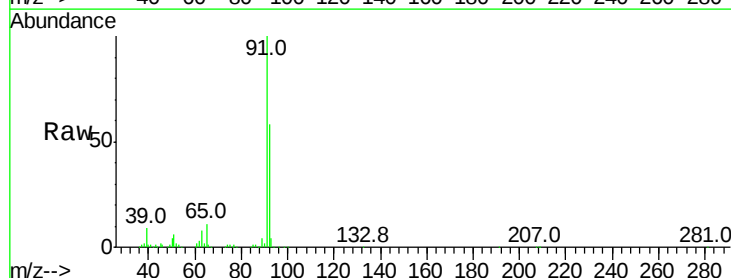
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

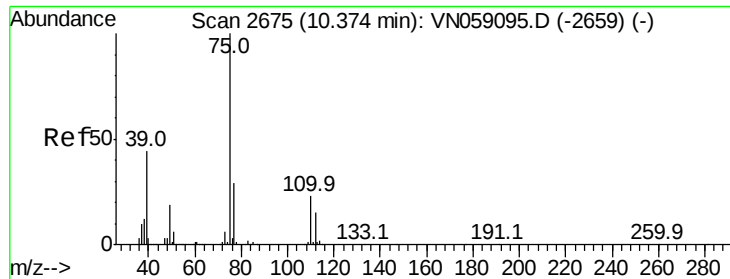
Tgt Ion: 43 Resp: 1665611
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3



#52
 Toluene
 Concen: 56.238 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 92 Resp: 571858
 Ion Ratio Lower Upper
 92 100
 91 172.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 54.207 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

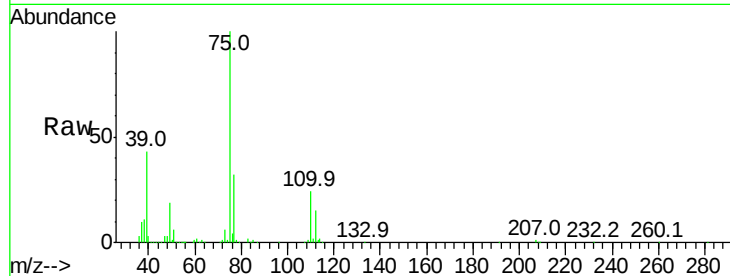
VSTDICCC050

Tgt Ion: 75 Resp: 359106

Ion Ratio Lower Upper

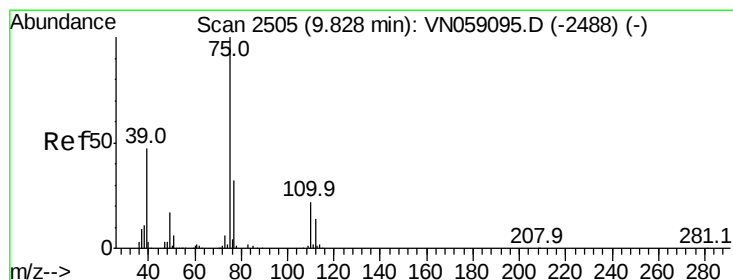
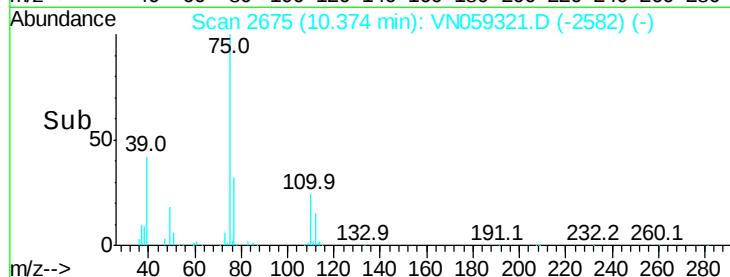
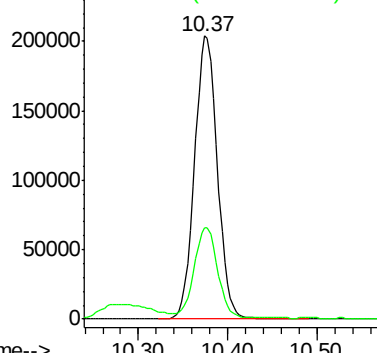
75 100

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: 55.435 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

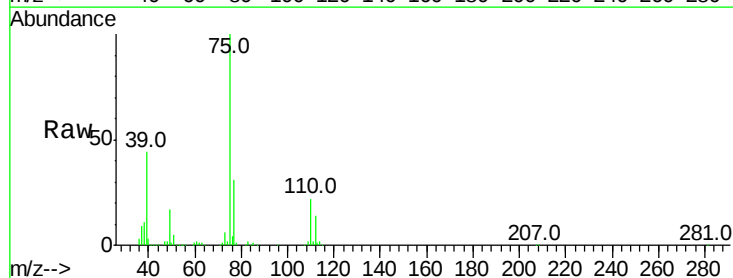
Tgt Ion: 75 Resp: 395029

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

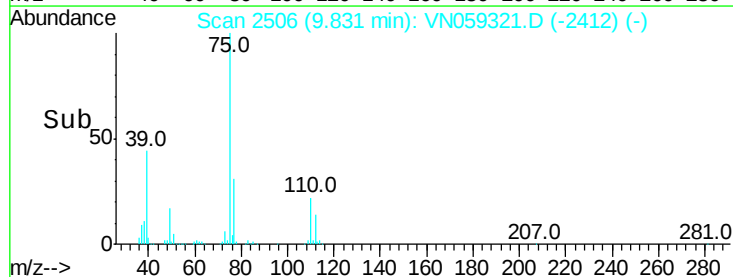
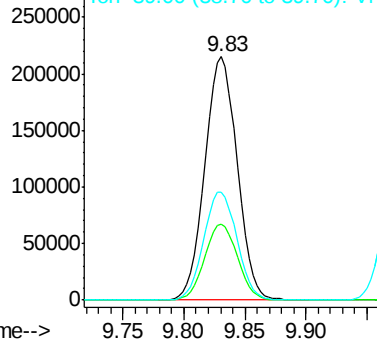
39 44.4 37.3 55.9

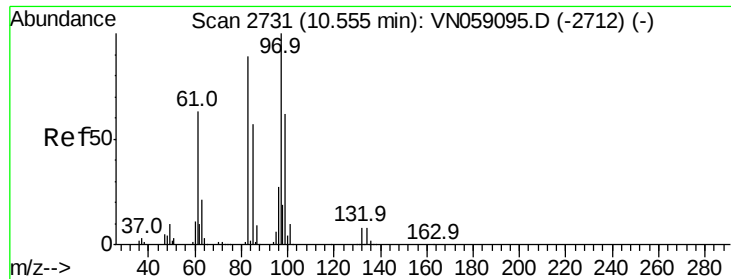


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.562 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 220425

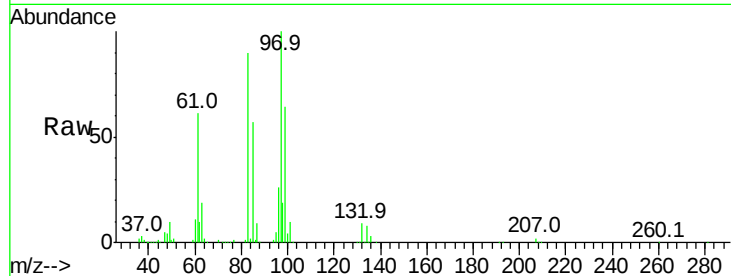
Ion Ratio Lower Upper

97 100

83 90.0 71.0 106.4

85 57.2 45.8 68.8

99 63.7 49.4 74.0

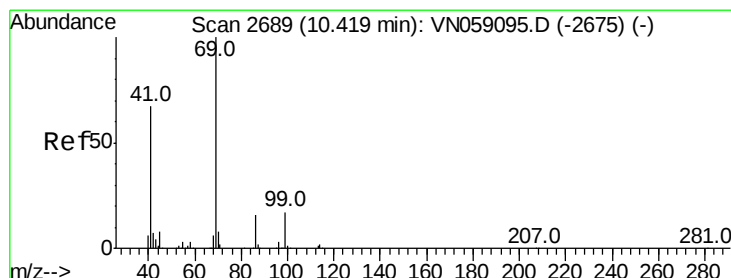
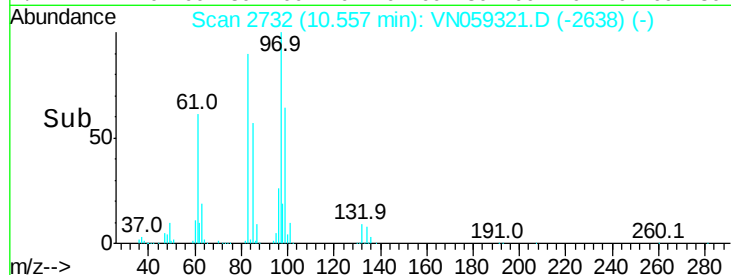
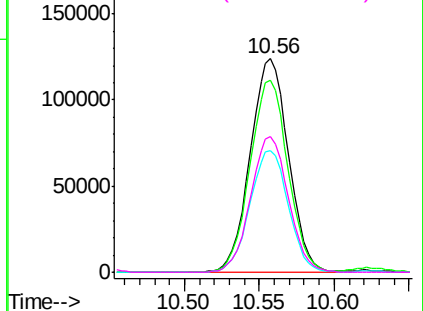


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.709 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

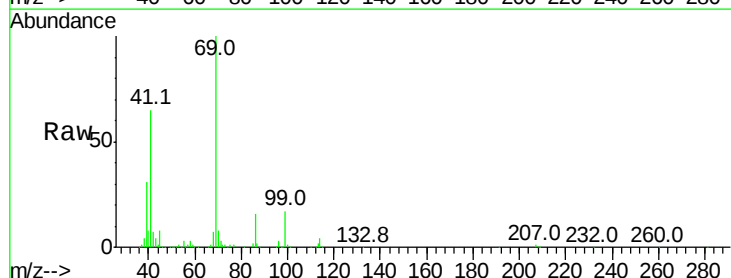
Tgt Ion: 69 Resp: 352521

Ion Ratio Lower Upper

69 100

41 64.6 53.6 80.4

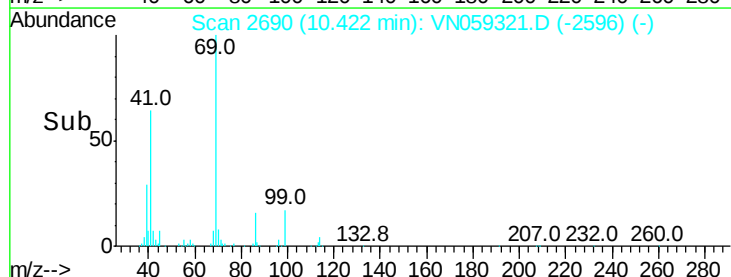
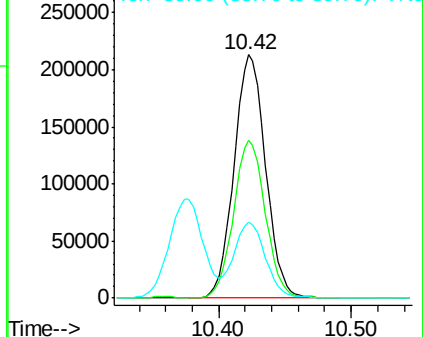
39 31.5 26.2 39.4

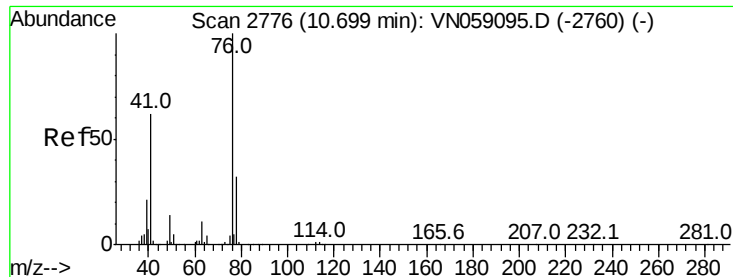


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.640 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

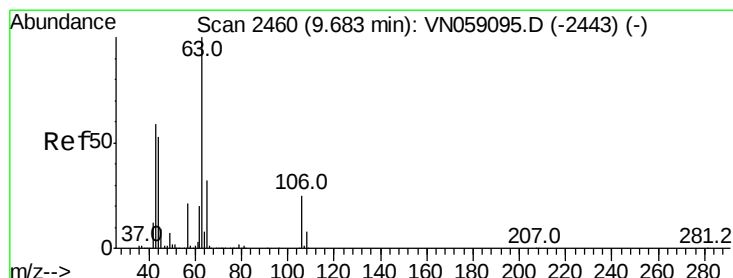
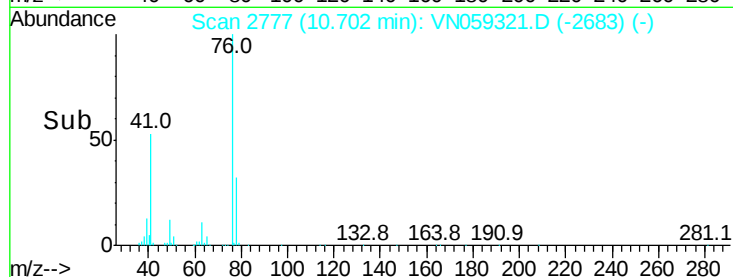
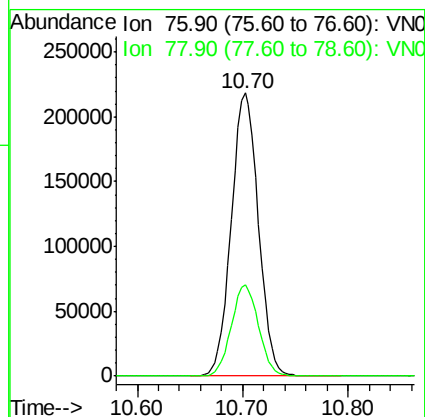
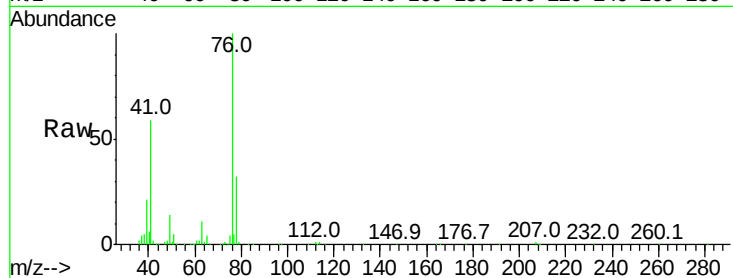
VSTDICCC050

Tgt Ion: 76 Resp: 387014

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 258.696 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059321.D

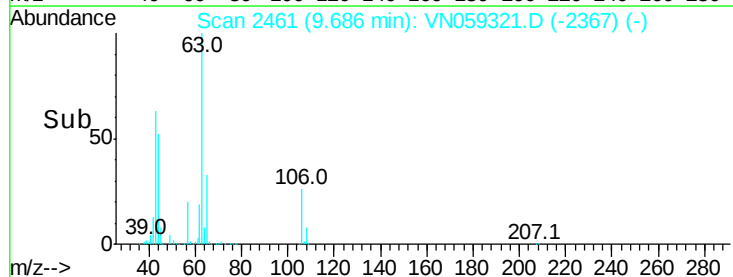
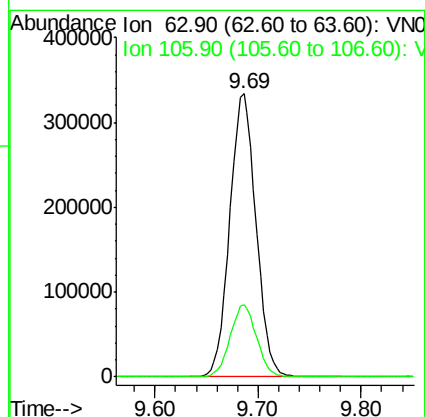
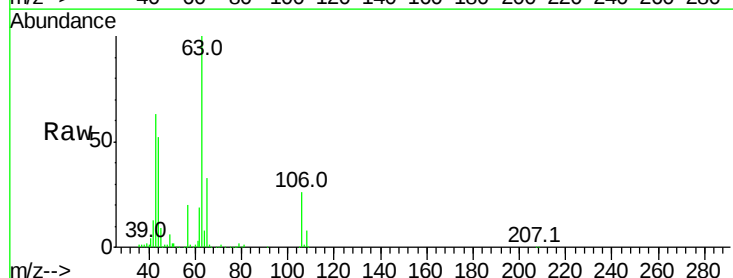
Acq: 20 Nov 2019 12:30

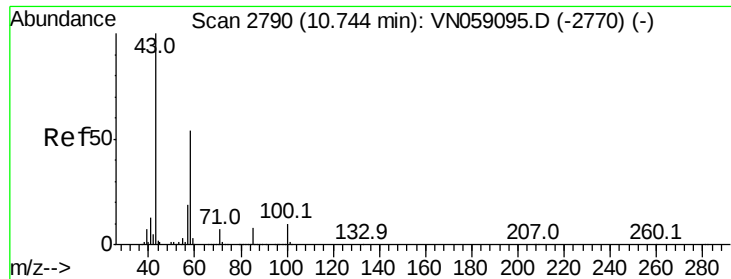
Tgt Ion: 63 Resp: 592487

Ion Ratio Lower Upper

63 100

106 25.6 20.2 30.2

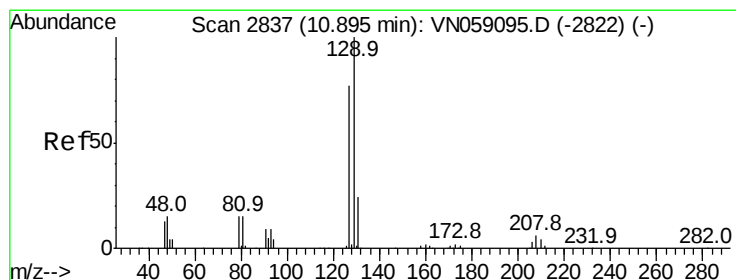
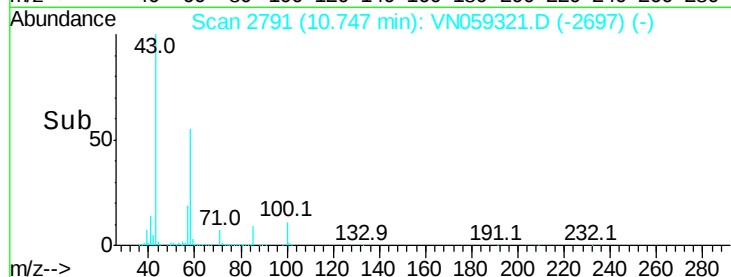
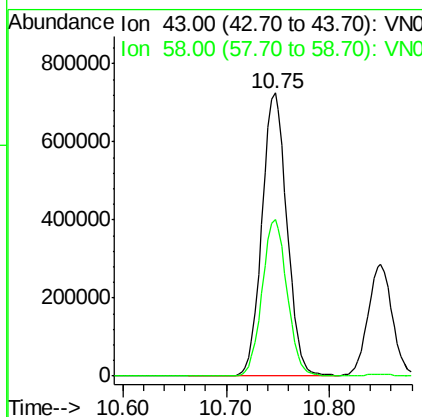
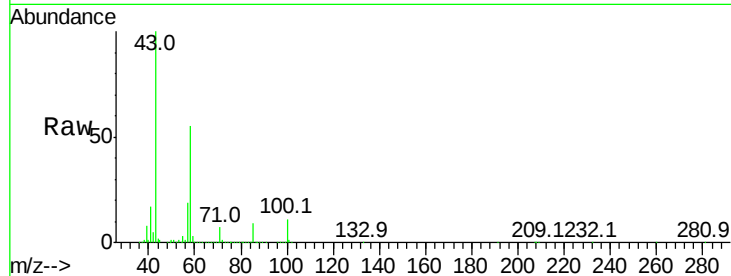




#59
2-Hexanone
Concen: 280.799 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

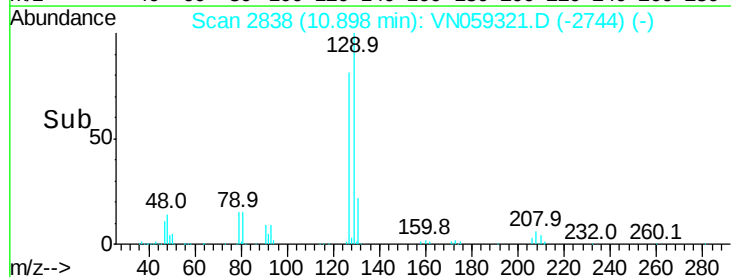
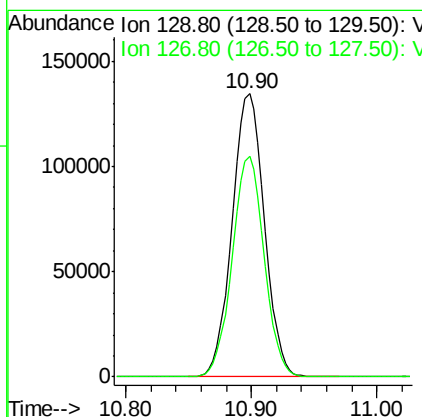
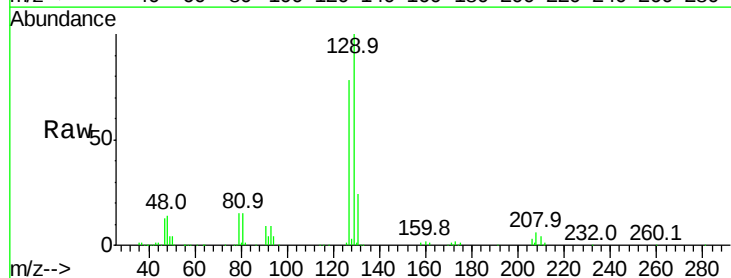
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

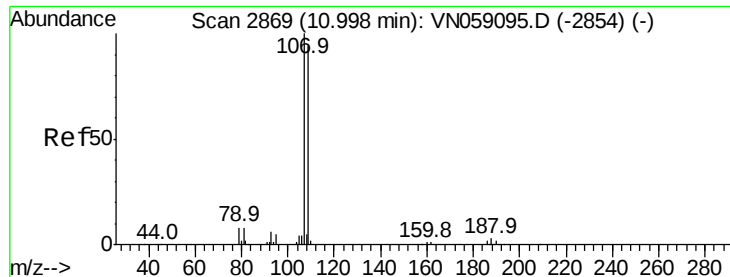
Tgt Ion: 43 Resp: 1218520
Ion Ratio Lower Upper
43 100
58 55.3 27.3 81.8



#60
Dibromochloromethane
Concen: 55.279 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion: 129 Resp: 240522
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.658 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

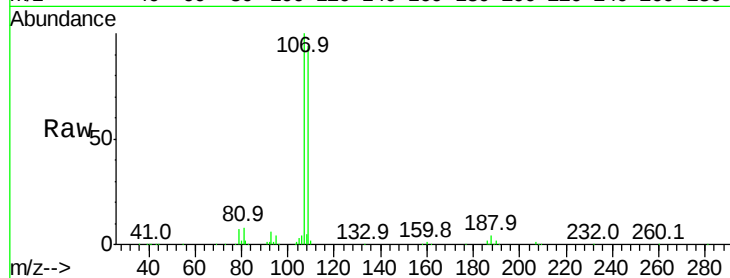
VSTDICCC050

Tgt Ion: 107 Resp: 231872

Ion Ratio Lower Upper

107 100

109 94.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

150000

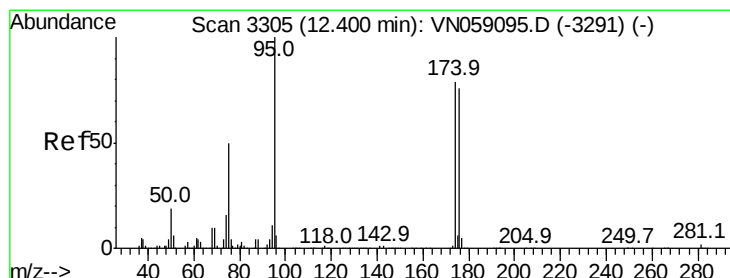
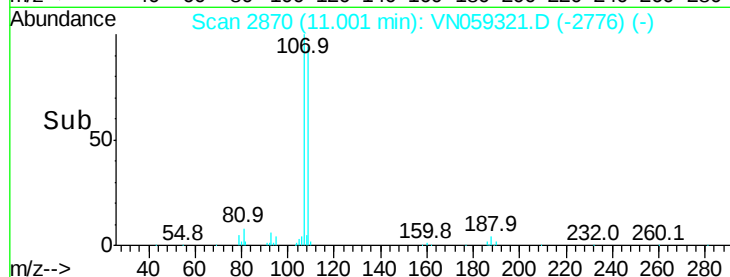
100000

50000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.783 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

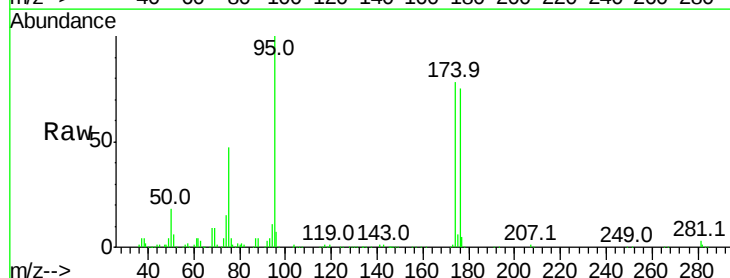
Tgt Ion: 95 Resp: 264677

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.2

176 75.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

150000

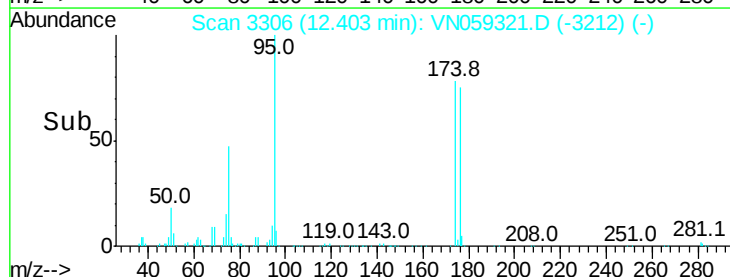
100000

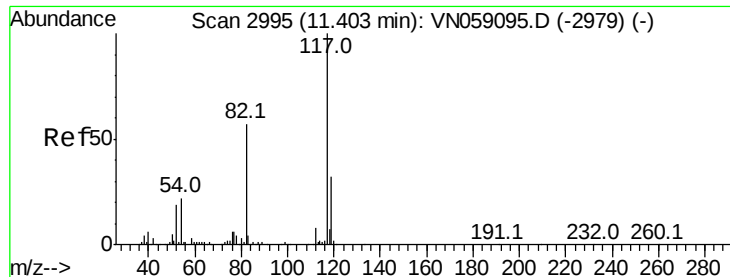
50000

0

Time-->

12.35 12.40 12.45 12.50

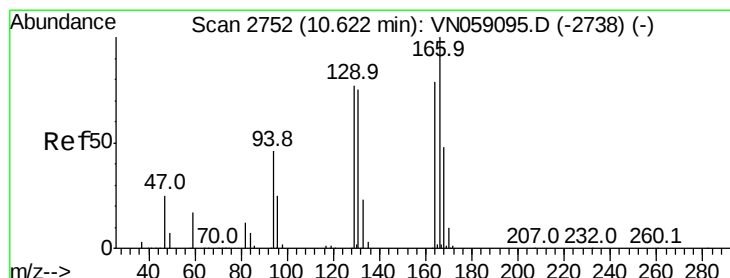
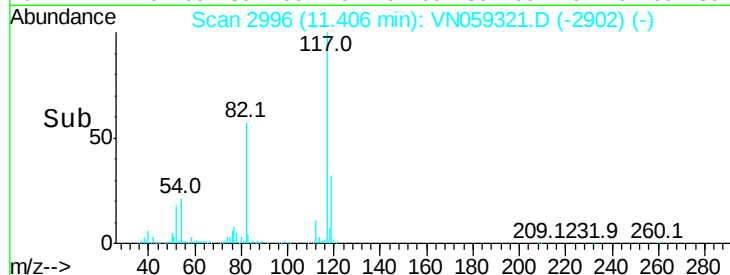
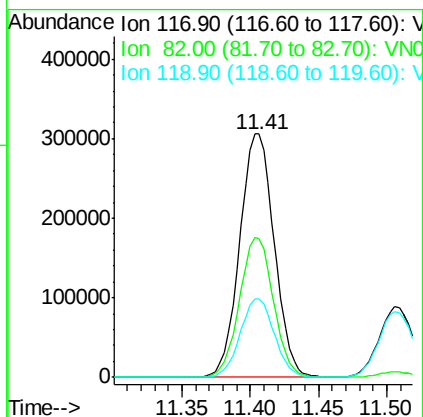
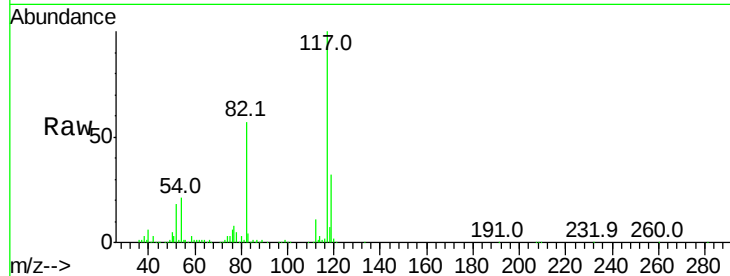




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

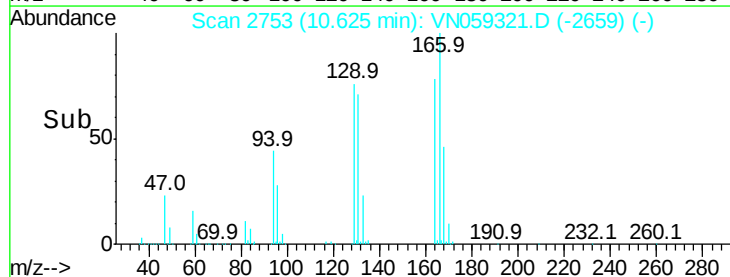
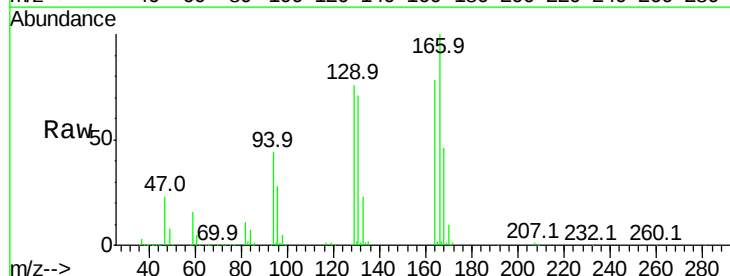
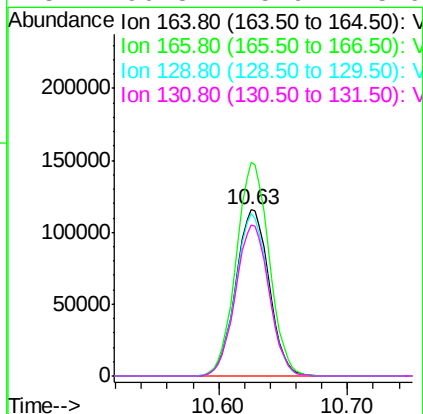
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

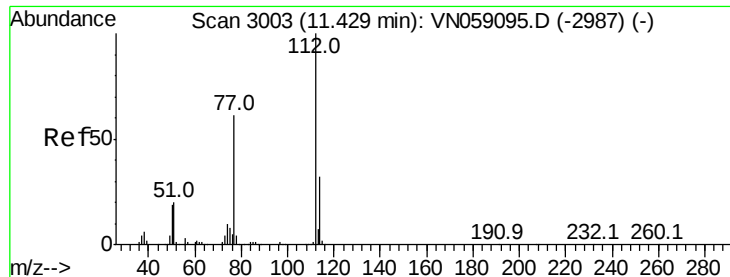
Tgt Ion:117 Resp: 537747
Ion Ratio Lower Upper
117 100
82 57.1 45.8 68.8
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 56.828 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion:164 Resp: 207797
Ion Ratio Lower Upper
164 100
166 128.6 101.5 152.3
129 97.7 78.3 117.5
131 90.8 75.9 113.9





#65

Chlorobenzene

Concen: 55.738 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

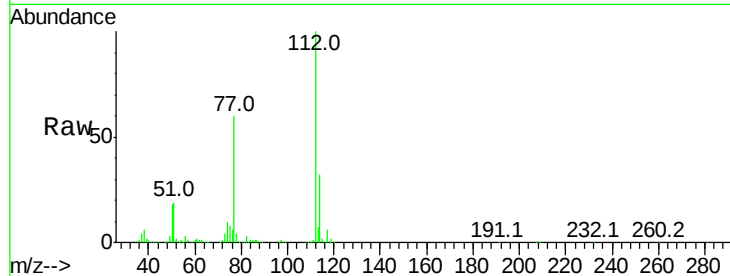
VSTDICCC050

Tgt Ion:112 Resp: 584293

Ion Ratio Lower Upper

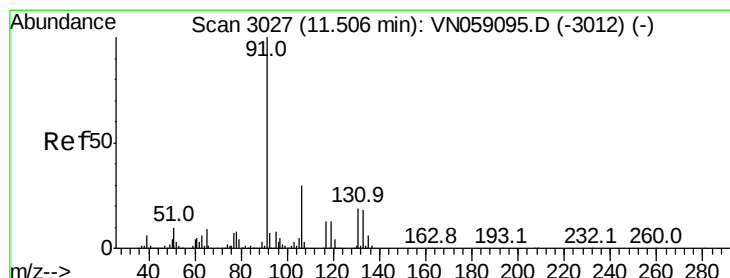
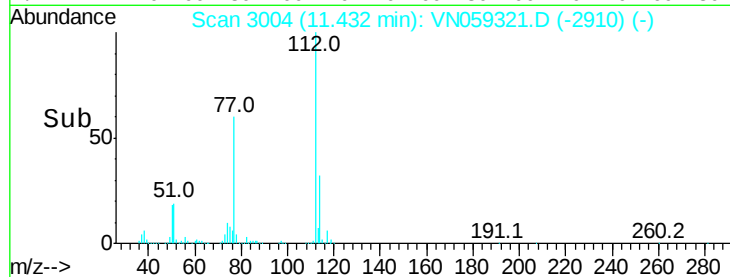
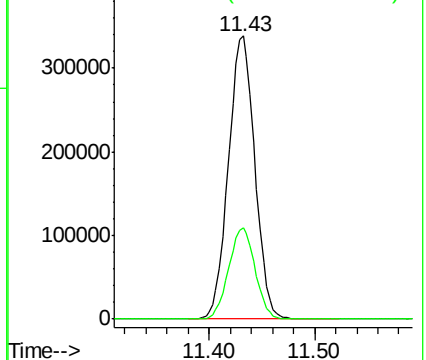
112 100

114 32.2 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: 55.682 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

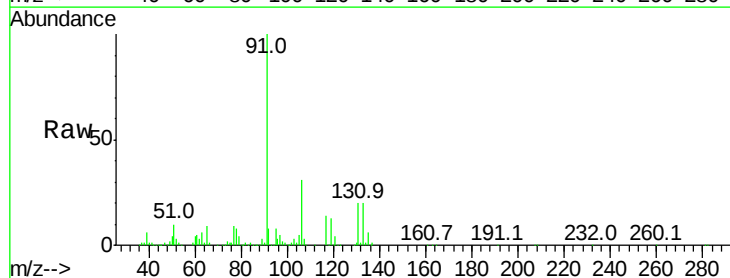
Tgt Ion:131 Resp: 218960

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.3

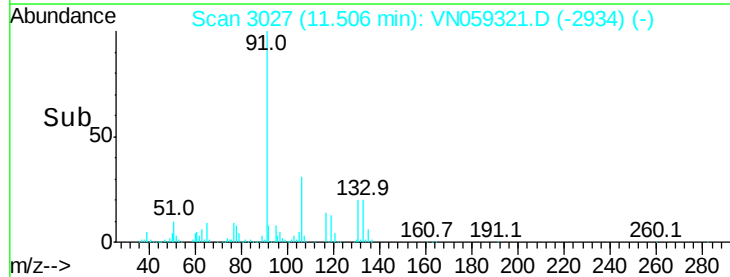
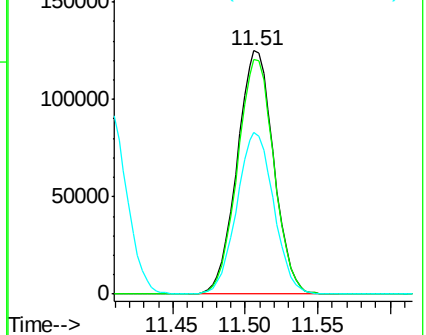
119 67.1 33.2 99.6

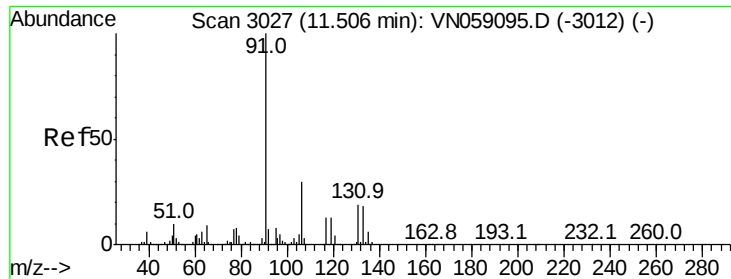


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 57.783 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

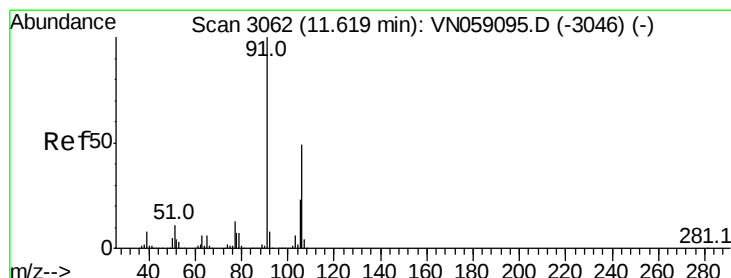
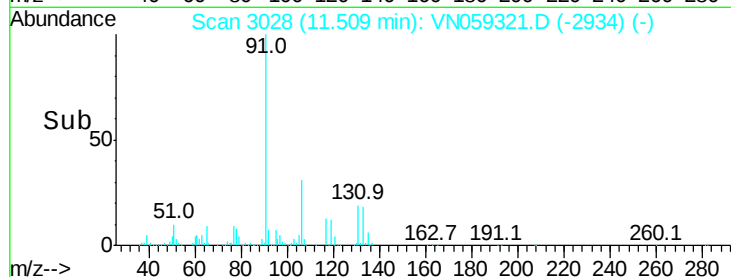
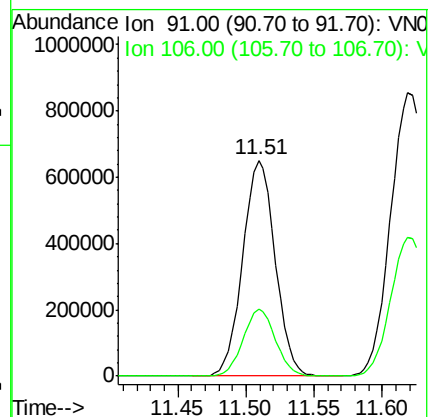
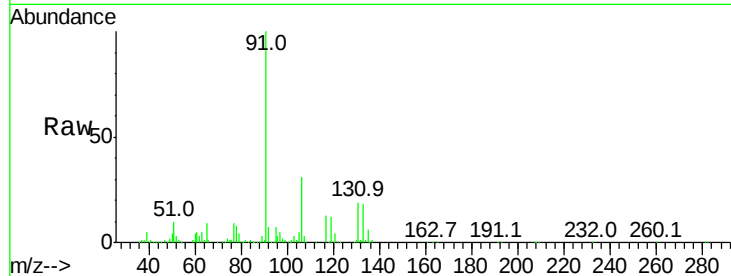
VSTDICCC050

Tgt Ion: 91 Resp: 1074693

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 115.605 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059321.D

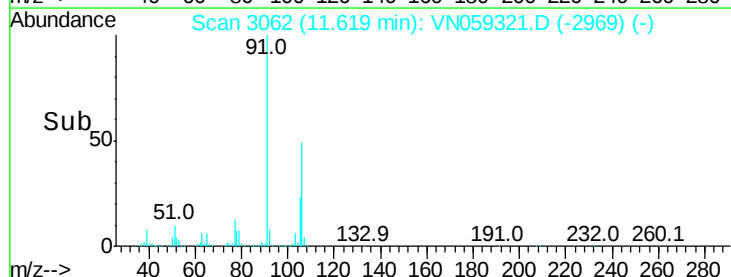
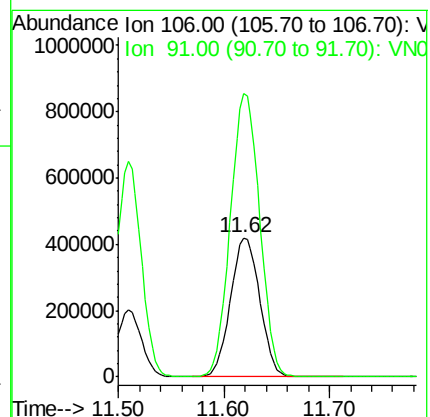
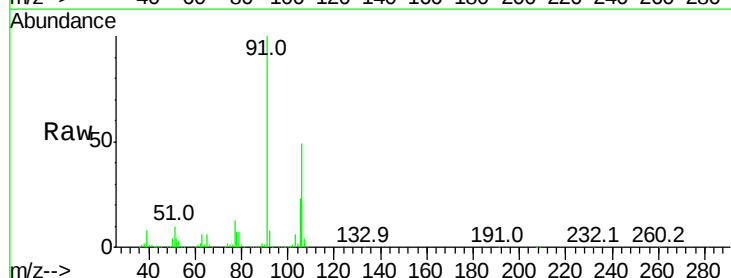
Acq: 20 Nov 2019 12:30

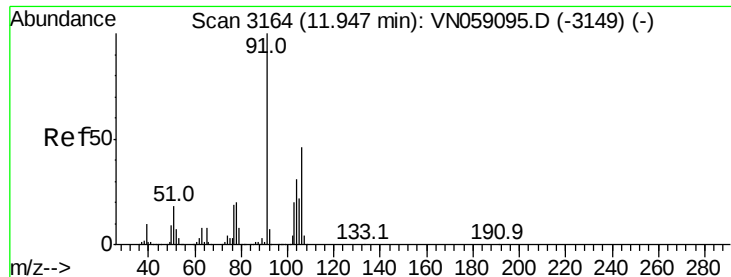
Tgt Ion: 106 Resp: 805408

Ion Ratio Lower Upper

106 100

91 204.0 164.7 247.1

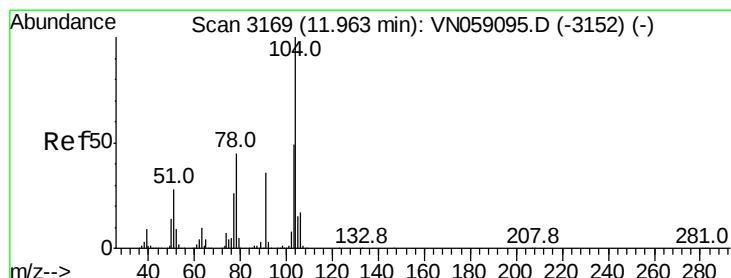
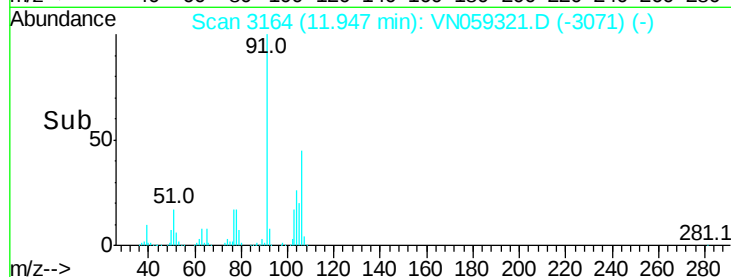
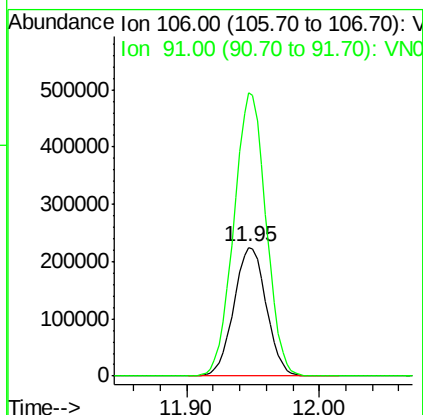
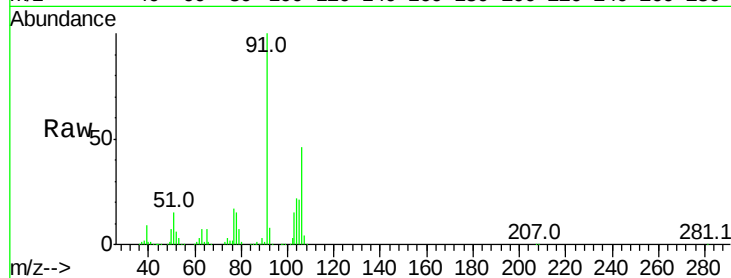




#69
o-Xylene
Concen: 56.589 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

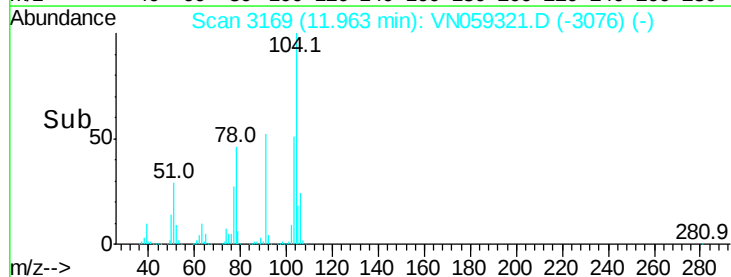
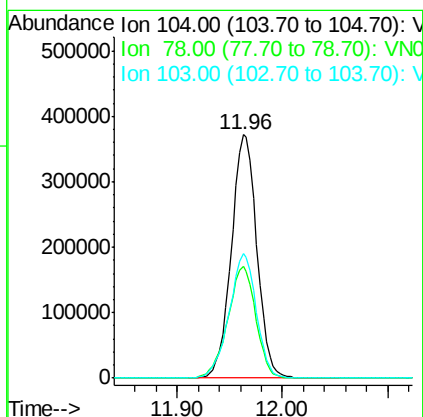
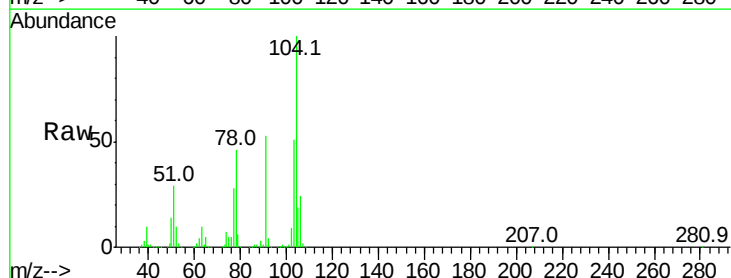
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

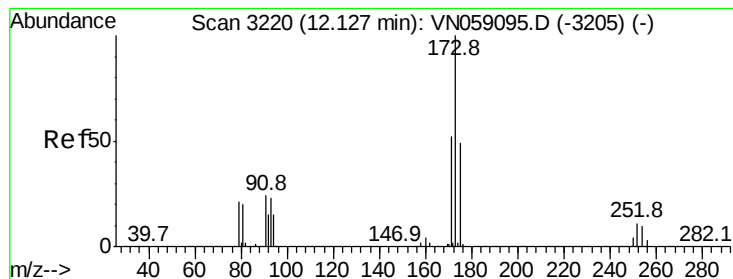
Tgt Ion:106 Resp: 381001
Ion Ratio Lower Upper
106 100
91 218.6 110.1 330.3



#70
Styrene
Concen: 58.575 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059321.D
Acq: 20 Nov 2019 12:30

Tgt Ion:104 Resp: 620249
Ion Ratio Lower Upper
104 100
78 50.4 41.2 61.8
103 54.5 43.8 65.6





#71

Bromoform

Concen: 55.361 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

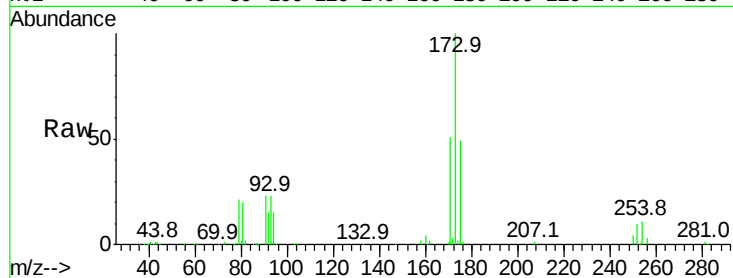
Tgt Ion:173 Resp: 169335

Ion Ratio Lower Upper

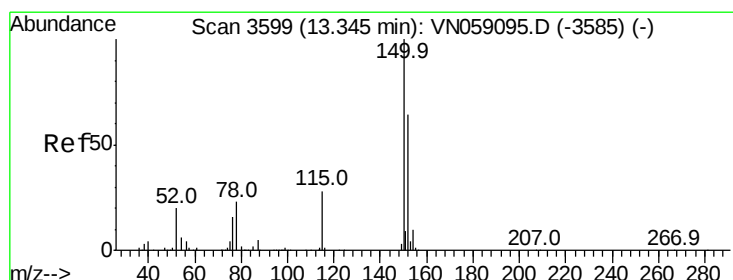
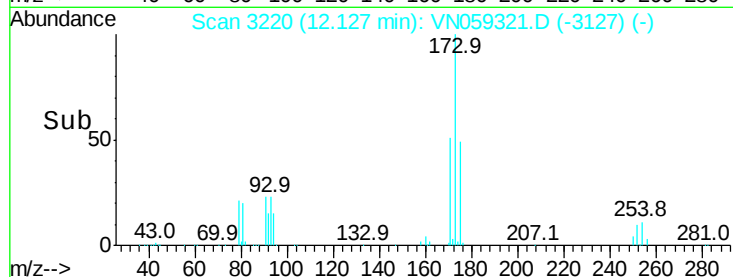
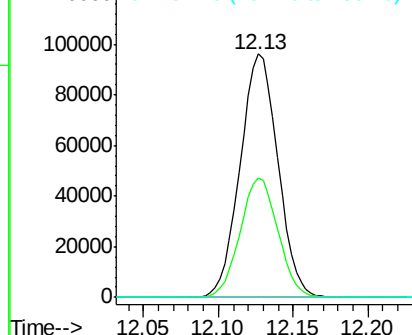
173 100

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: VN059321.D

Acq: 20 Nov 2019 12:30

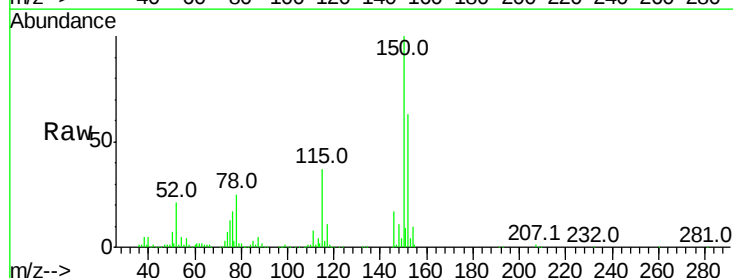
Tgt Ion:152 Resp: 248857

Ion Ratio Lower Upper

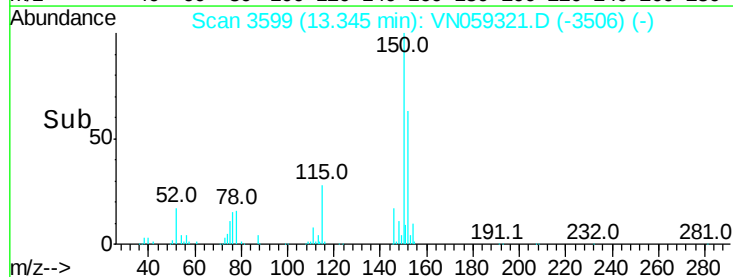
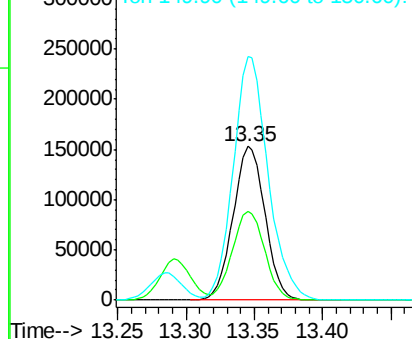
152 100

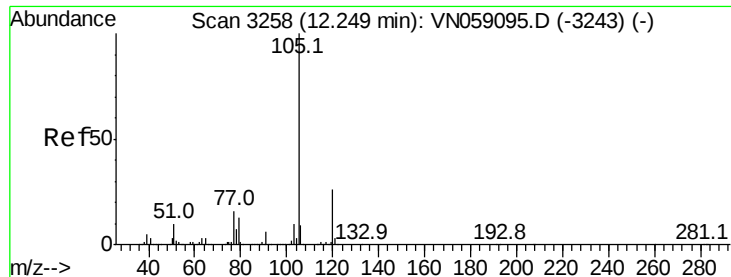
115 58.7 29.4 88.2

150 173.0 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: 56.957 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

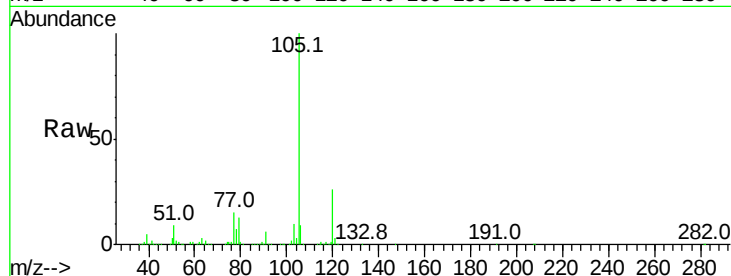
VSTDICCC050

Tgt Ion:105 Resp: 1031026

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

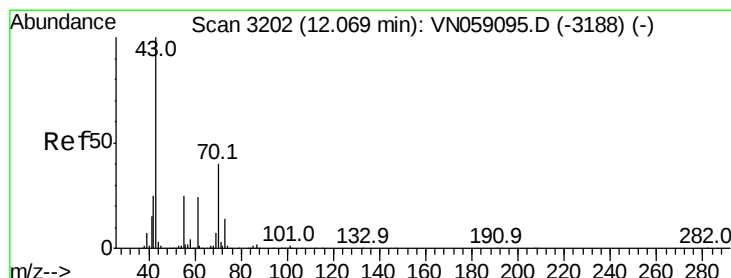
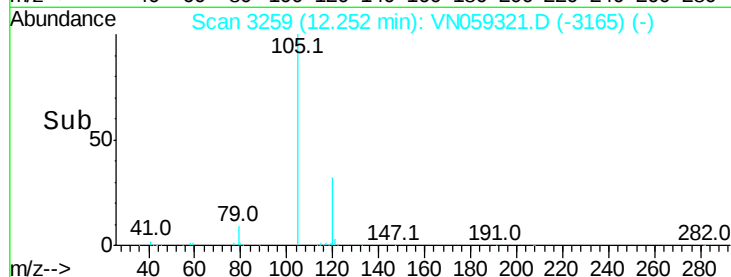
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 55.023 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Tgt Ion: 43 Resp: 422054

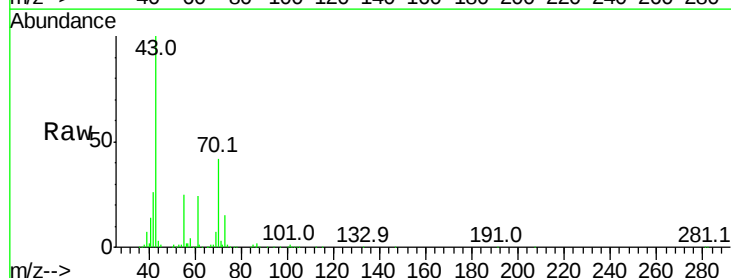
Ion Ratio Lower Upper

43 100

70 42.2 32.2 48.4

55 25.4 20.4 30.6

61 24.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

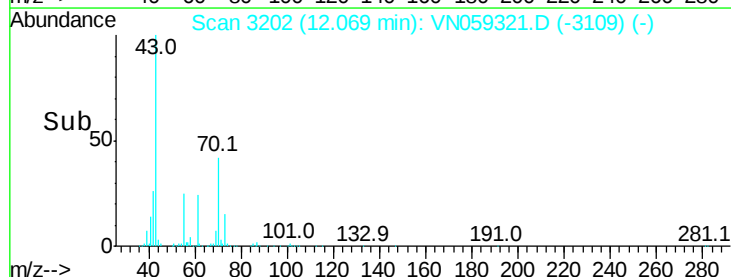
200000

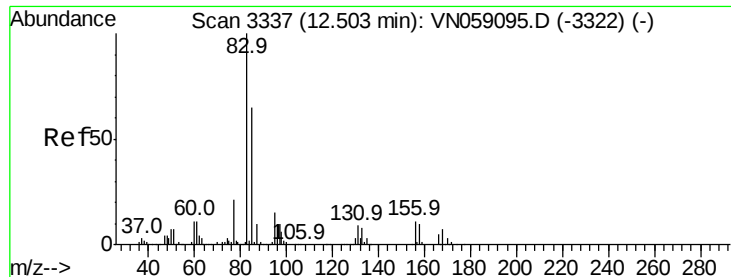
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 54.069 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

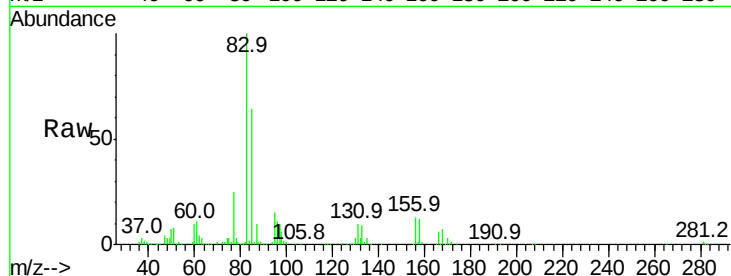
Tgt Ion: 83 Resp: 333311

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

85 64.2 32.4 97.2

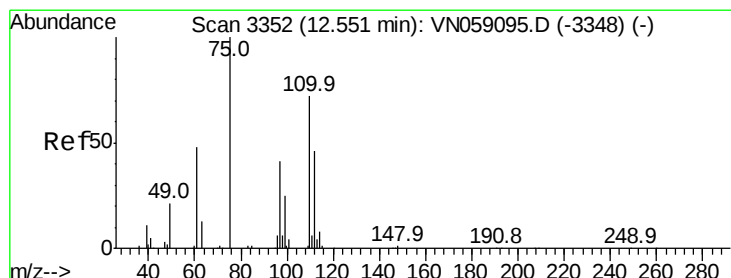
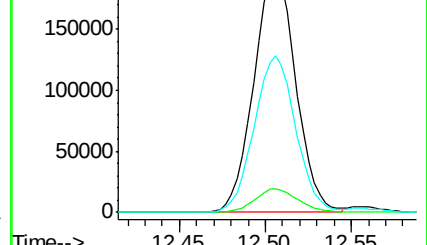
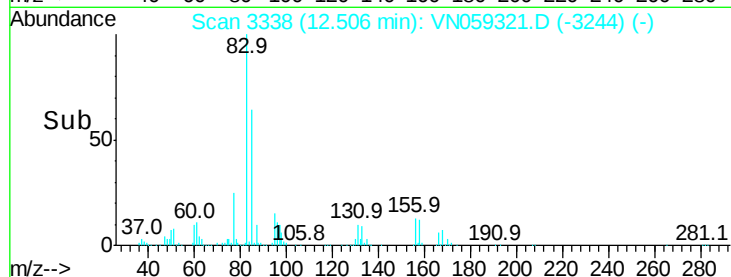


Abundance Ion 82.90 (82.60 to 83.60): VN059321.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN059321.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN059321.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 77.917 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059321.D

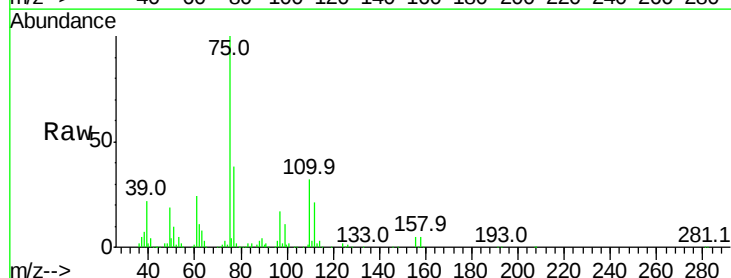
Acq: 20 Nov 2019 12:30

Tgt Ion: 75 Resp: 441452

Ion Ratio Lower Upper

75 100

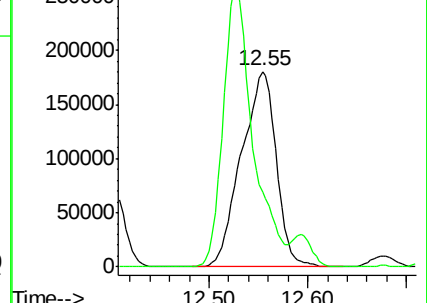
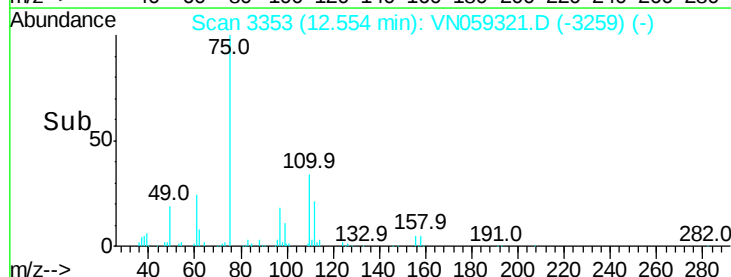
77 0.0 0.0 0.0

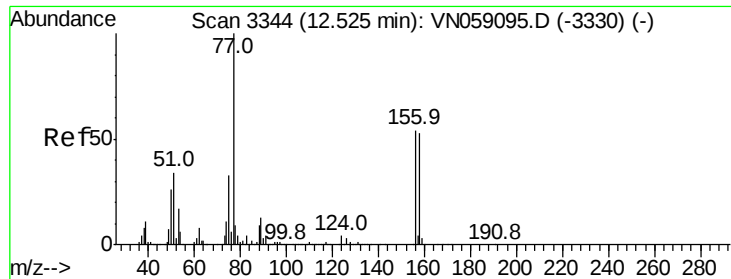


Abundance Ion 74.90 (74.60 to 75.60): VN059321.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059321.D (-3352) (-)

Time-->





#77

Bromobenzene

Concen: 53.867 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

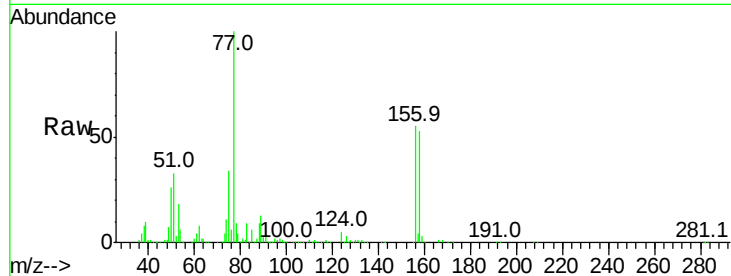
Tgt Ion:156 Resp: 244985

Ion Ratio Lower Upper

156 100

77 222.3 112.8 338.3

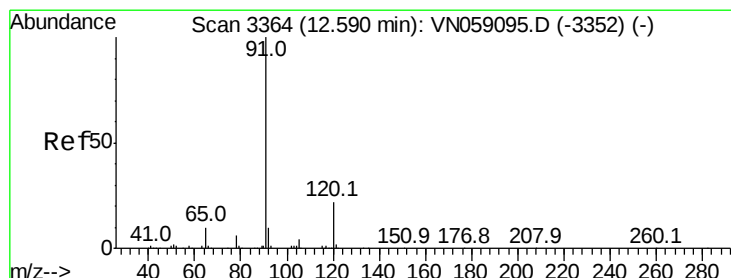
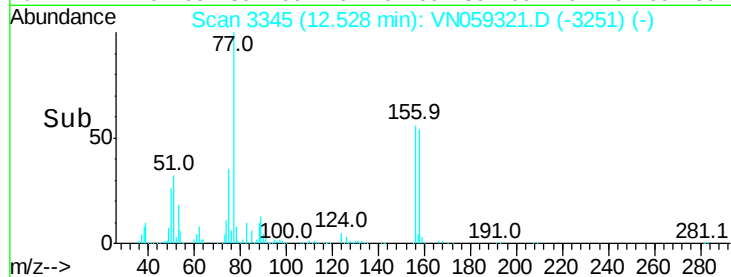
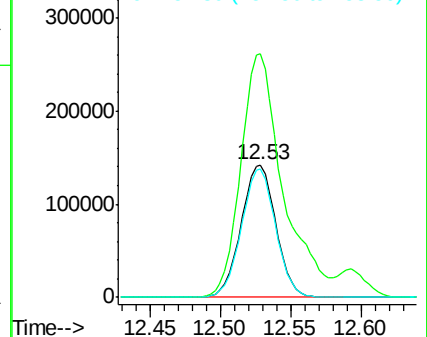
158 95.6 48.4 145.3



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: 57.854 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059321.D

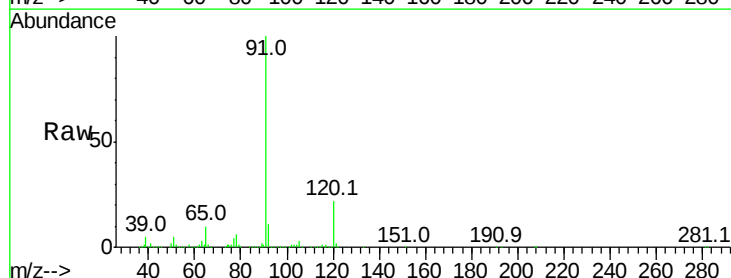
Acq: 20 Nov 2019 12:30

Tgt Ion: 91 Resp: 1199127

Ion Ratio Lower Upper

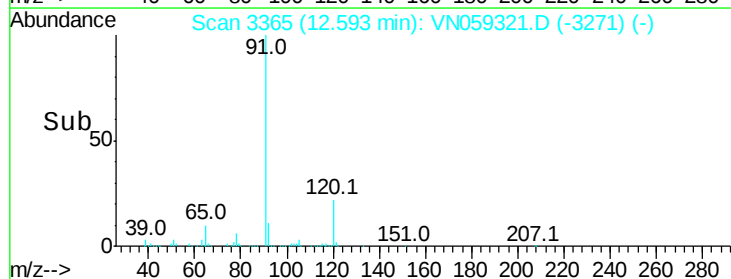
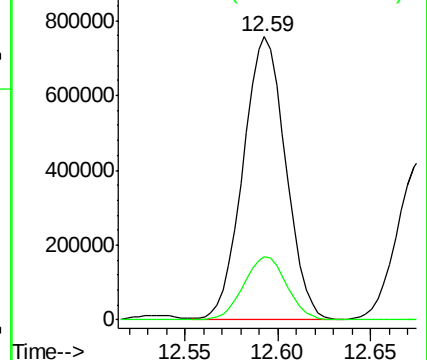
91 100

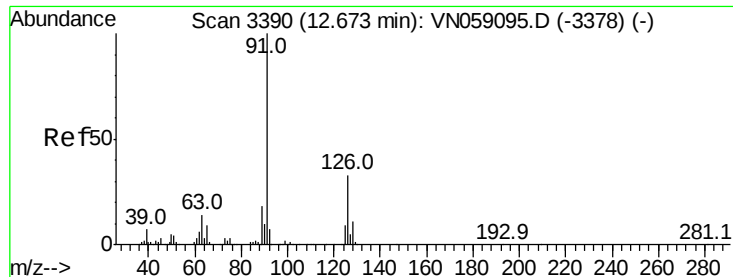
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.520 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

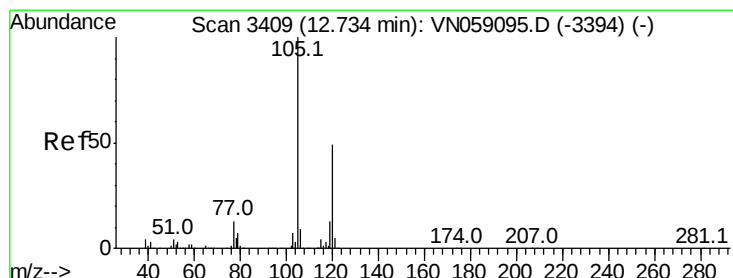
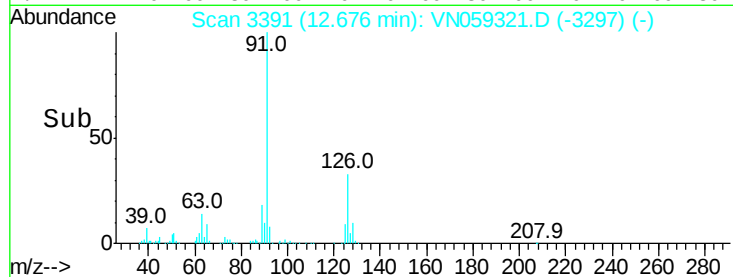
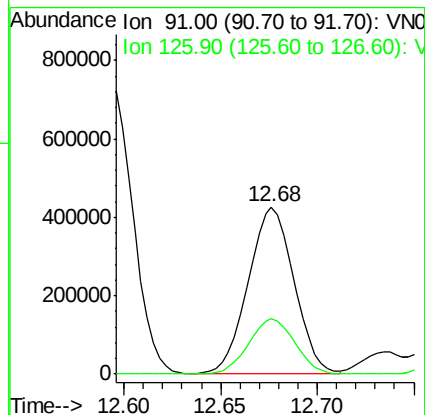
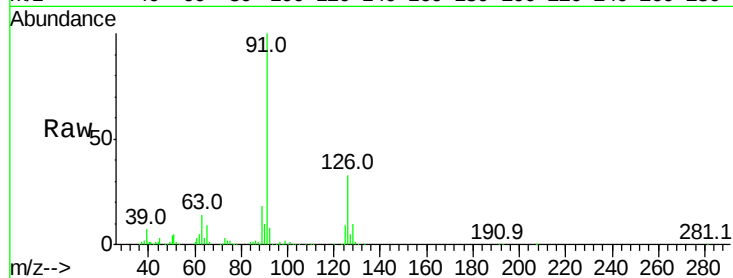
VSTDICCC050

Tgt Ion: 91 Resp: 701006

Ion Ratio Lower Upper

91 100

126 33.4 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 56.276 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059321.D

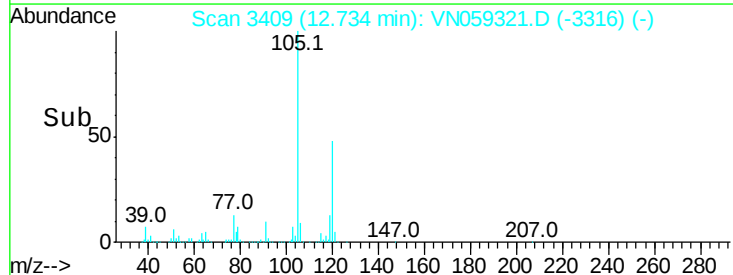
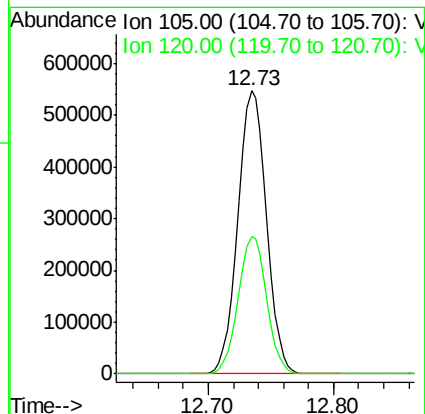
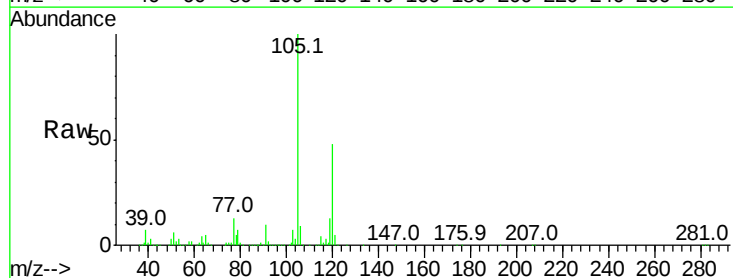
Acq: 20 Nov 2019 12:30

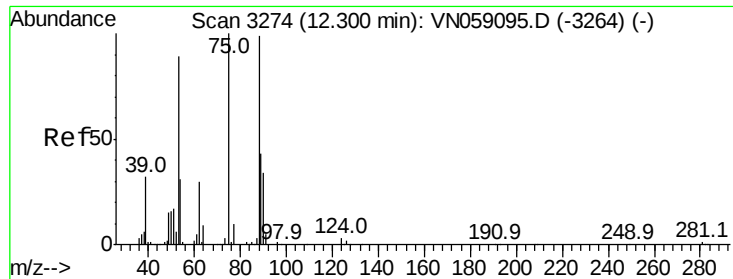
Tgt Ion: 105 Resp: 863208

Ion Ratio Lower Upper

105 100

120 48.3 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.705 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

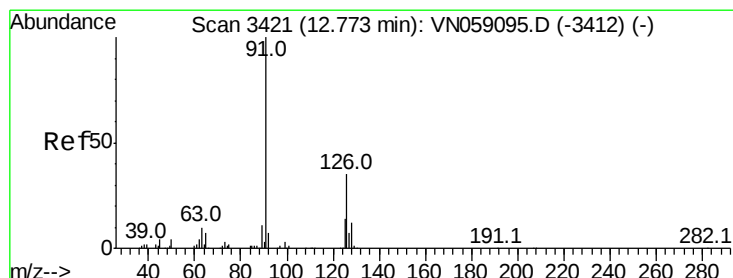
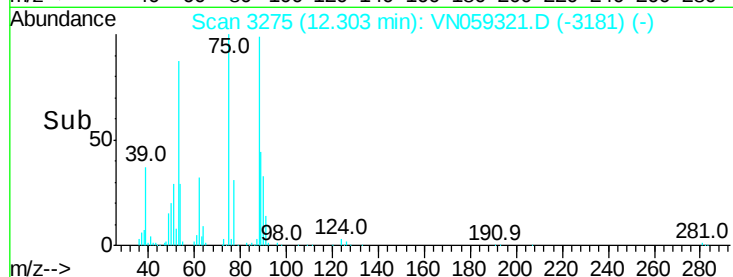
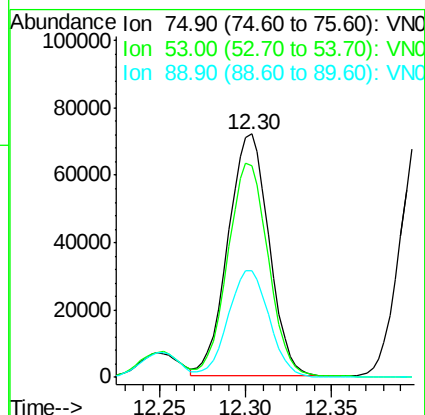
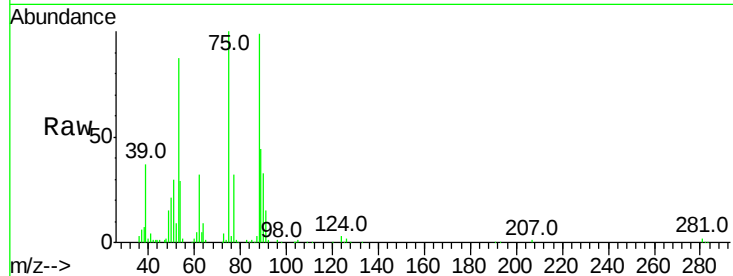
Tgt Ion: 75 Resp: 119489

Ion Ratio Lower Upper

75 100

53 88.4 72.2 108.2

89 44.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 55.407 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059321.D

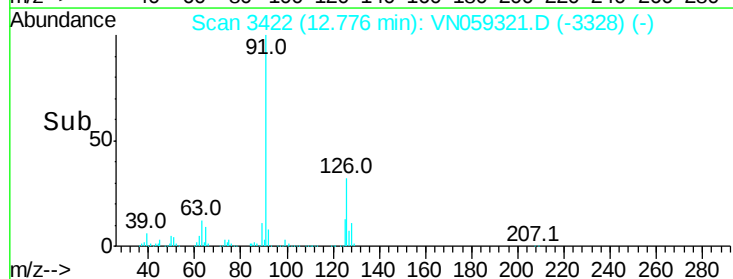
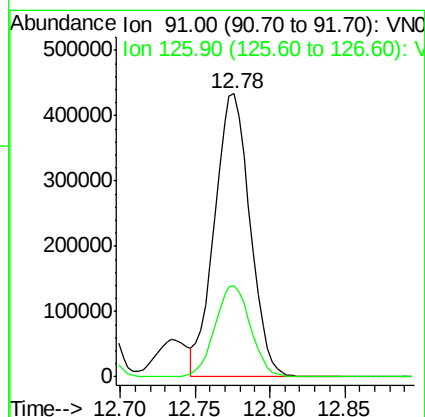
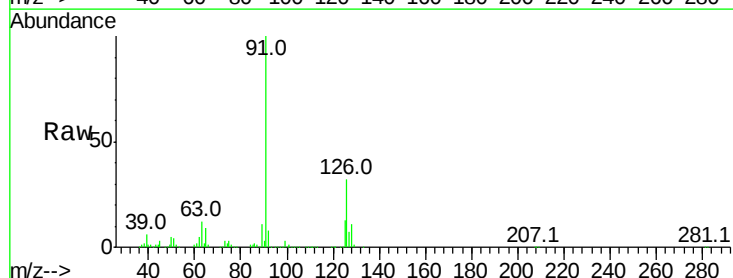
Acq: 20 Nov 2019 12:30

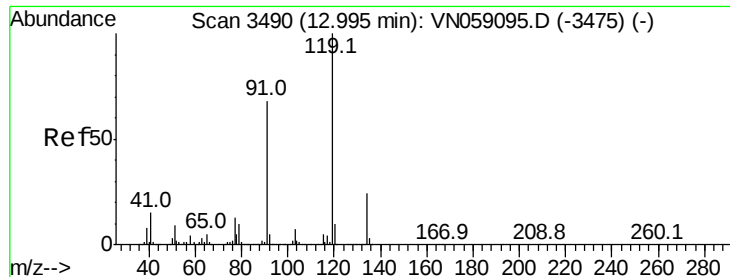
Tgt Ion: 91 Resp: 714540

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2

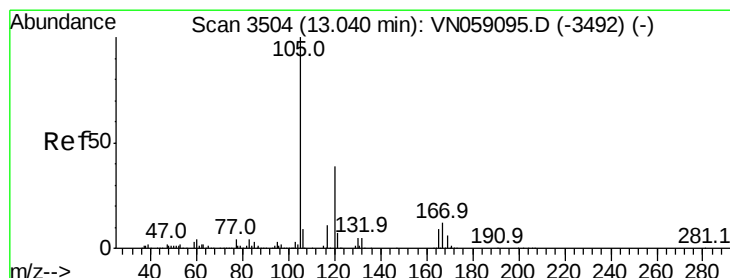
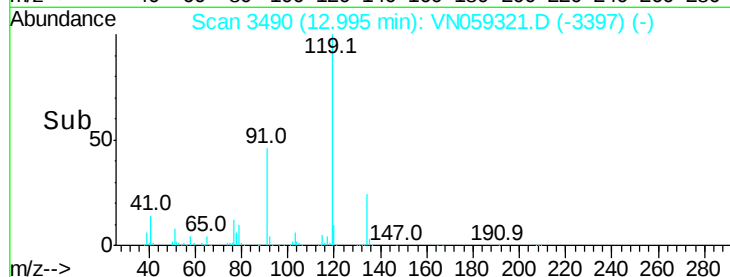
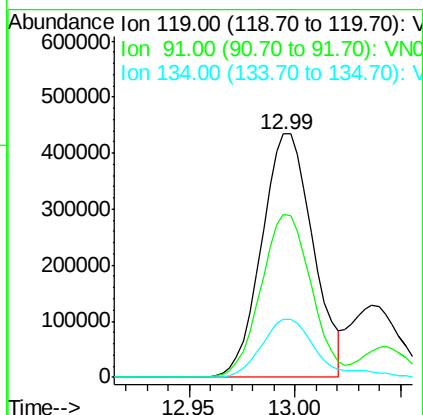
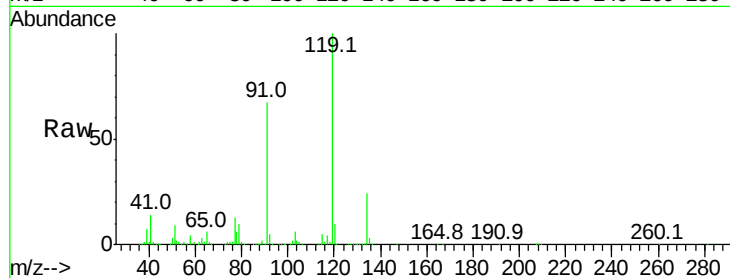




#83
 tert-Butylbenzene
 Concen: 55.380 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

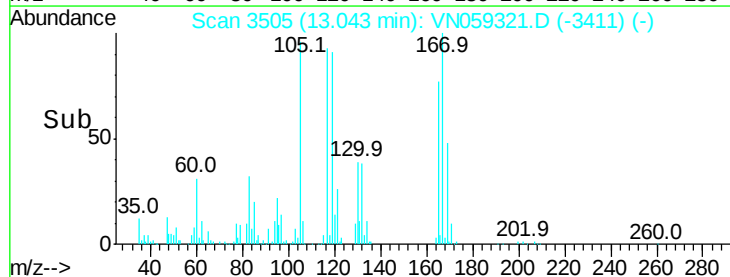
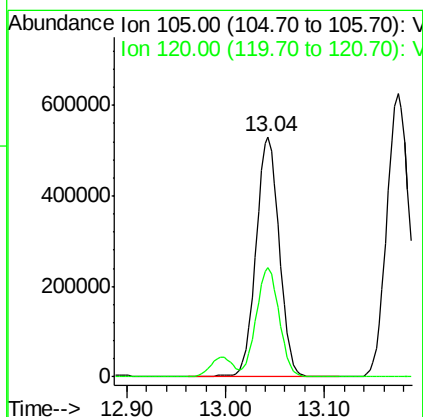
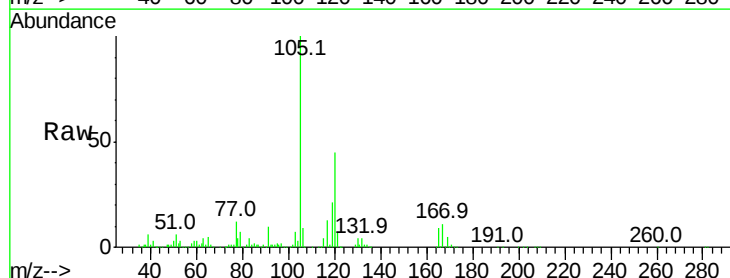
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

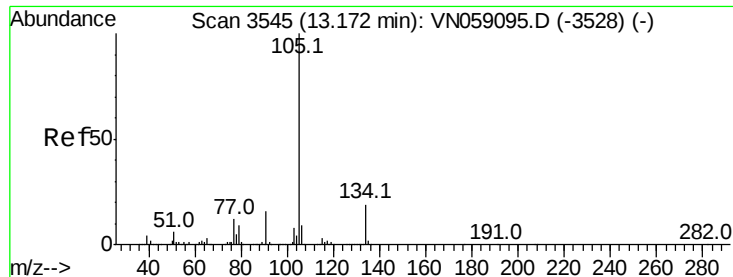
Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.2	99.6
134	25.9	12.7	38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.685 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 57.694 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

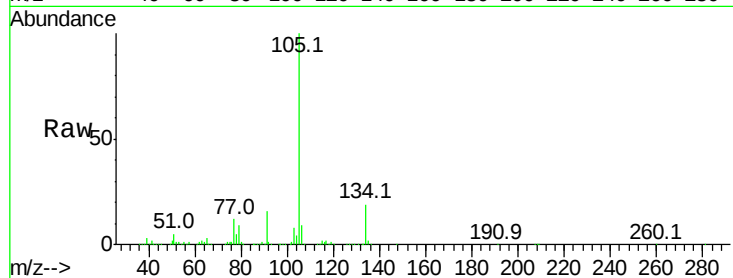
VSTDICCC050

Tgt Ion:105 Resp: 993911

Ion Ratio Lower Upper

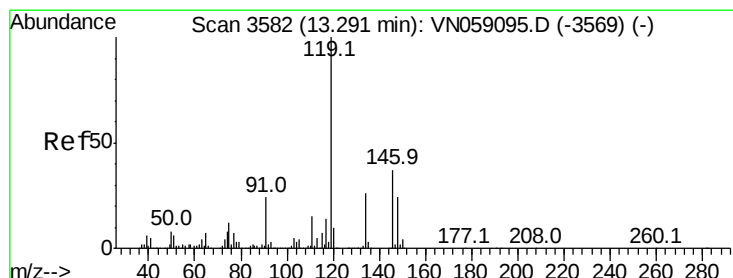
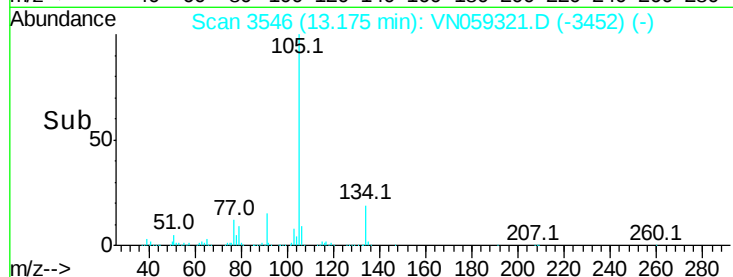
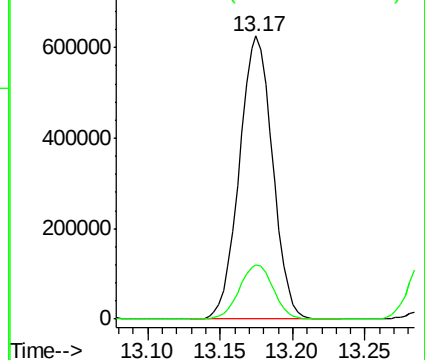
105 100

134 19.5 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: 58.898 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

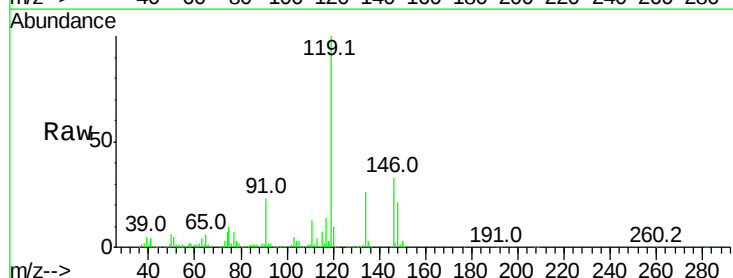
Tgt Ion:119 Resp: 895904

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

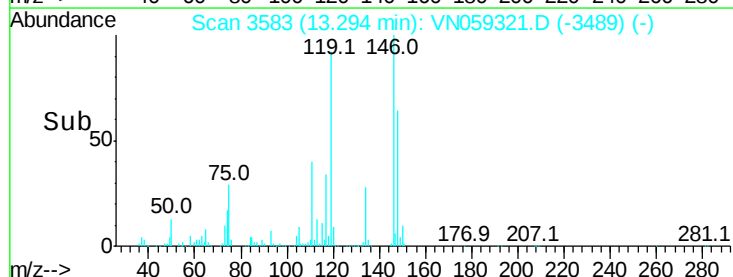
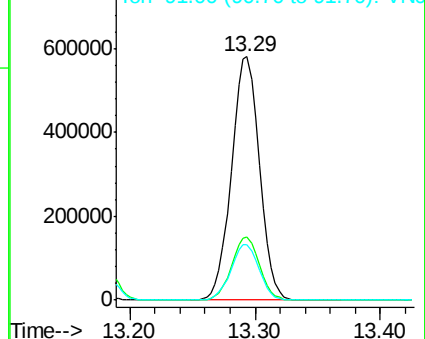
91 23.1 11.7 35.1

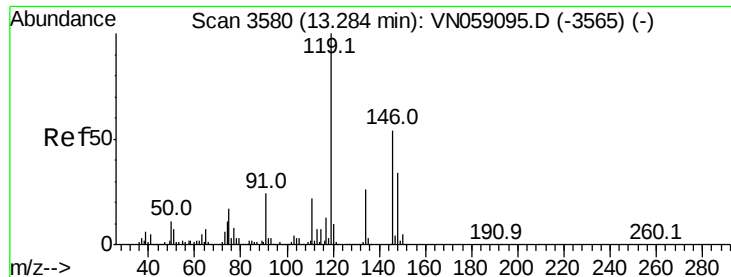


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.808 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

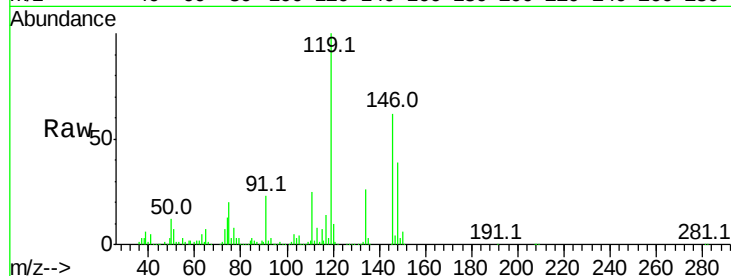
Tgt Ion:146 Resp: 426846

Ion Ratio Lower Upper

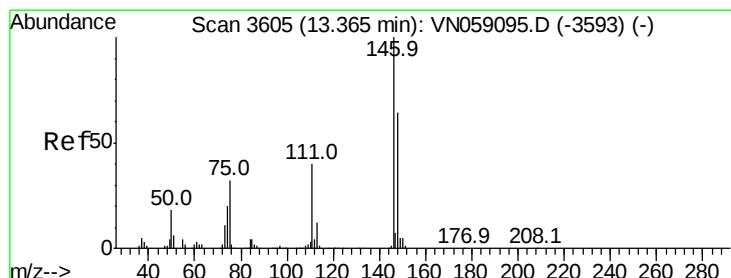
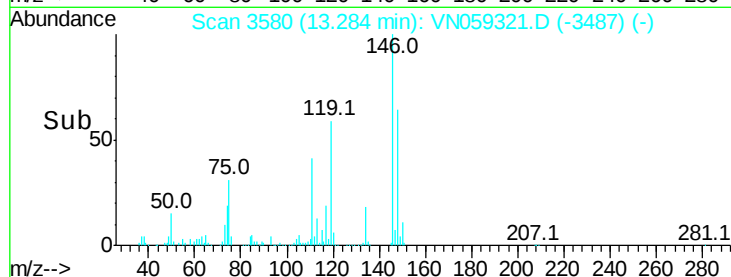
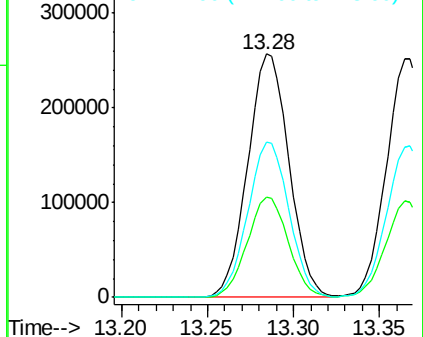
146 100

111 41.2 20.4 61.3

148 63.7 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: 54.239 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

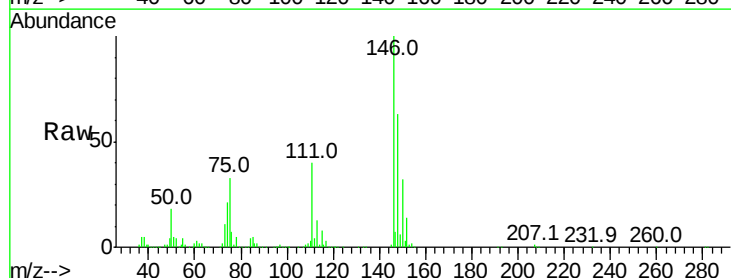
Tgt Ion:146 Resp: 422635

Ion Ratio Lower Upper

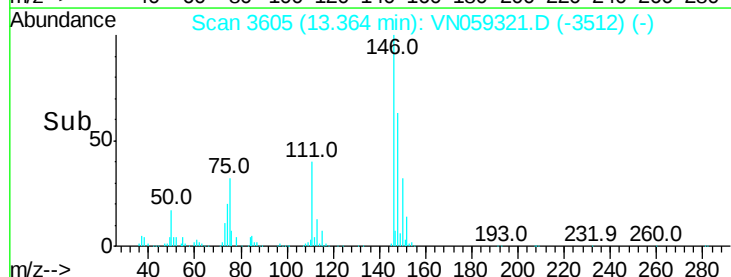
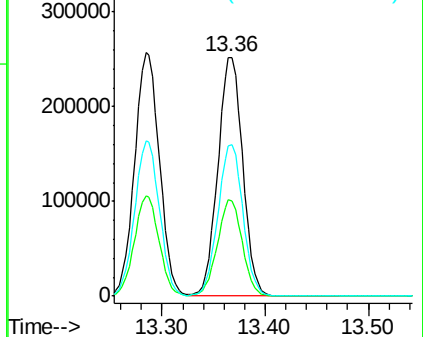
146 100

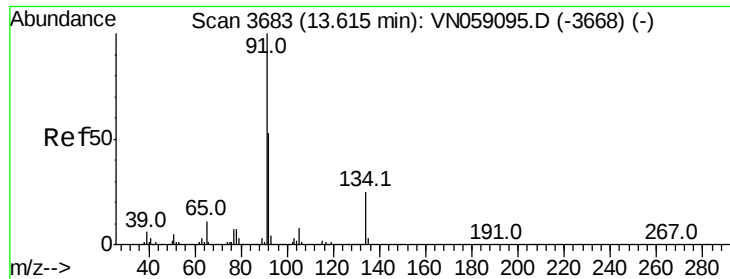
111 40.2 20.3 60.9

148 63.4 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: 57.887 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

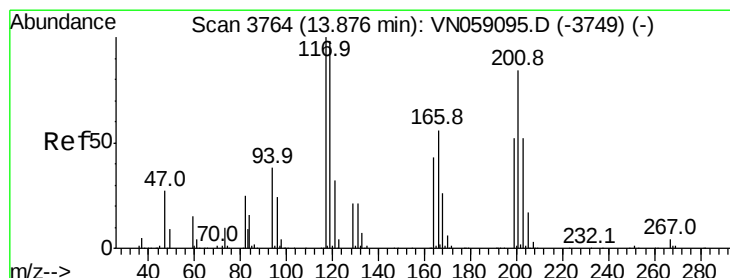
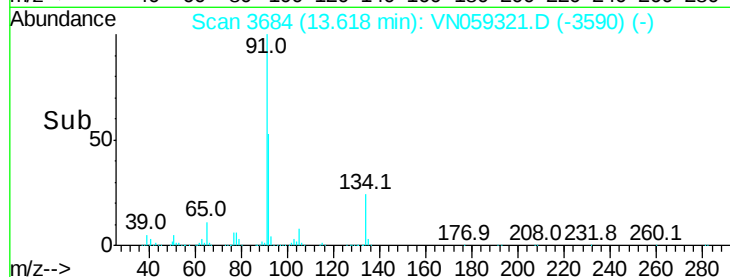
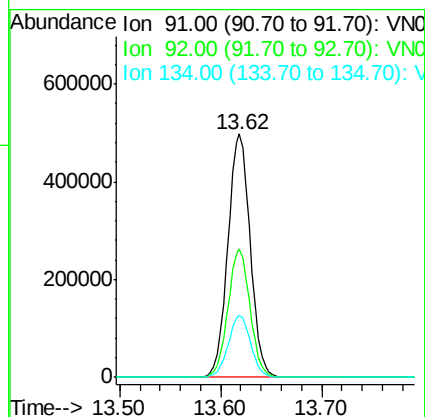
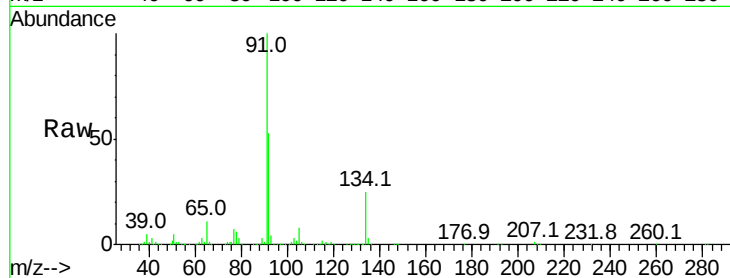
Tgt Ion: 91 Resp: 770669

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.3

134 25.4 12.6 37.8



#90

Hexachloroethane

Concen: 53.802 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059321.D

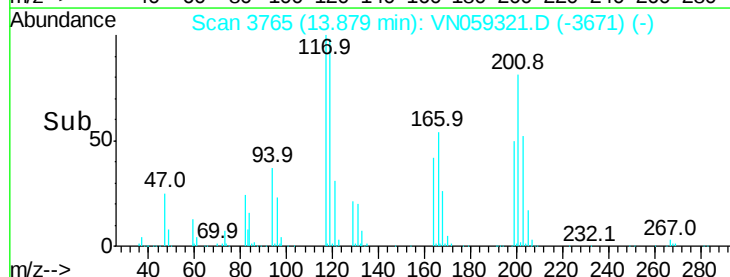
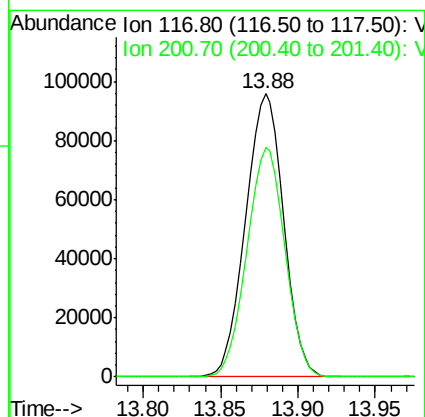
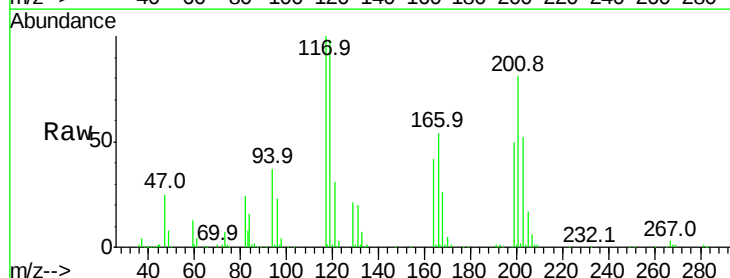
Acq: 20 Nov 2019 12:30

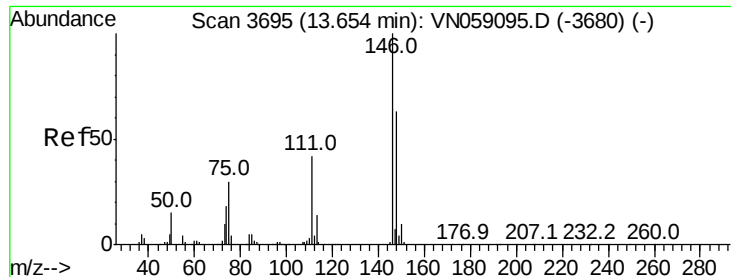
Tgt Ion: 117 Resp: 164335

Ion Ratio Lower Upper

117 100

201 80.8 41.8 125.3

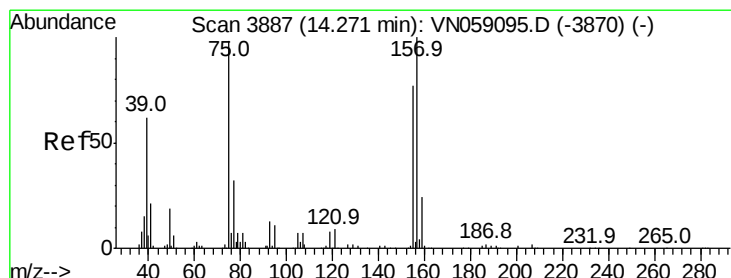
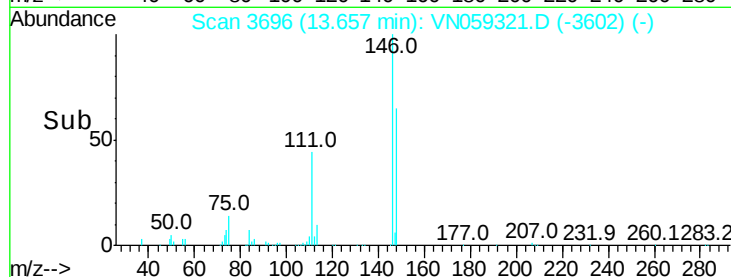
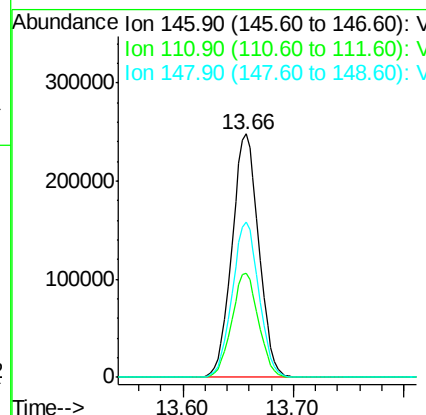
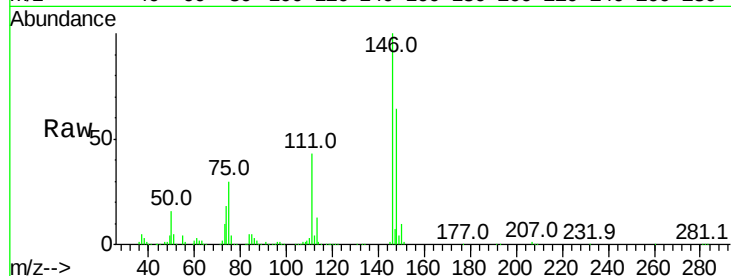




#91
 1,2-Dichlorobenzene
 Concen: 54.555 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

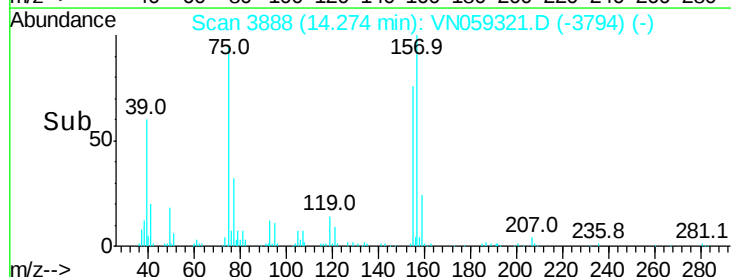
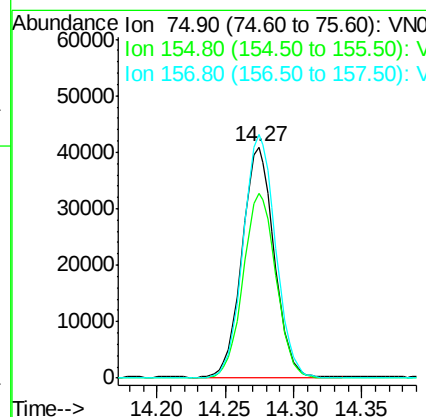
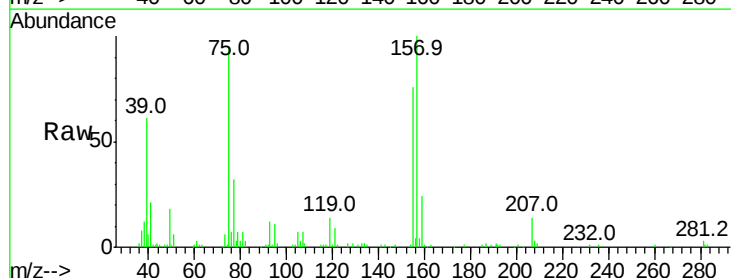
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

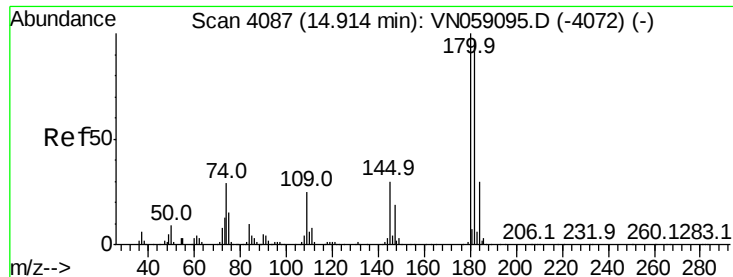
Tgt Ion:146 Resp: 417952
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.2 63.6
 148 63.7 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.525 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion: 75 Resp: 67514
 Ion Ratio Lower Upper
 75 100
 155 81.0 40.2 120.6
 157 105.4 51.8 155.5

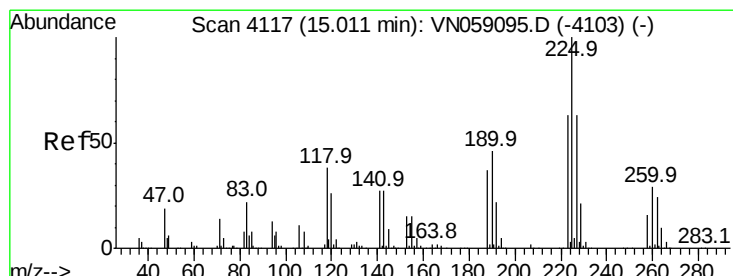
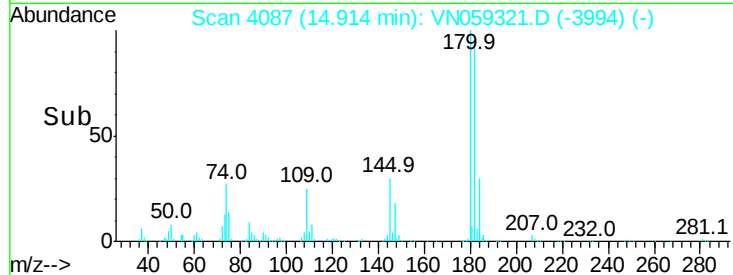
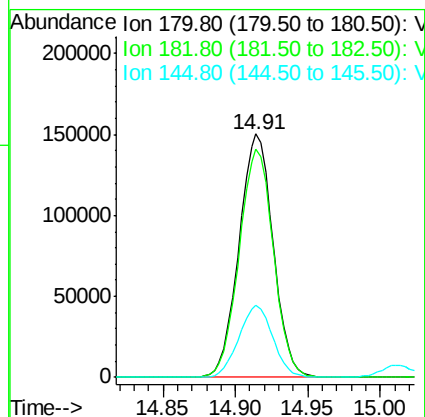
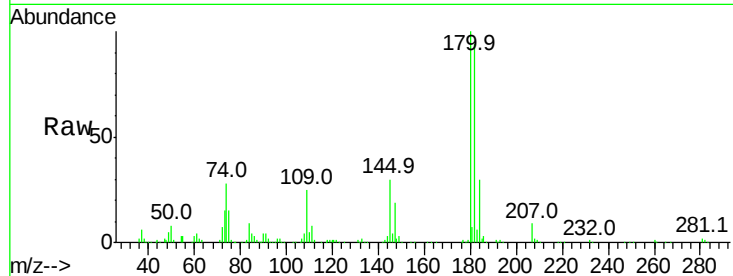




#93
 1,2,4-Trichlorobenzene
 Concen: 59.728 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

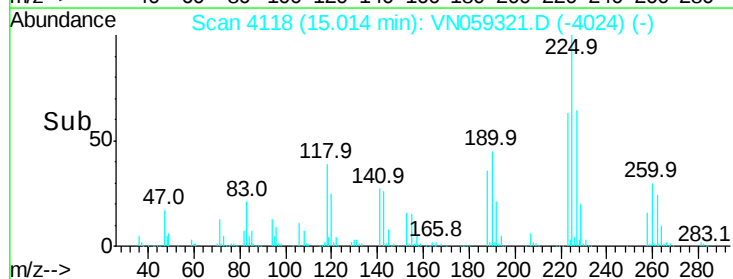
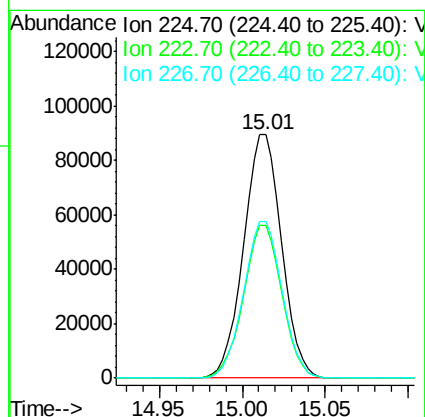
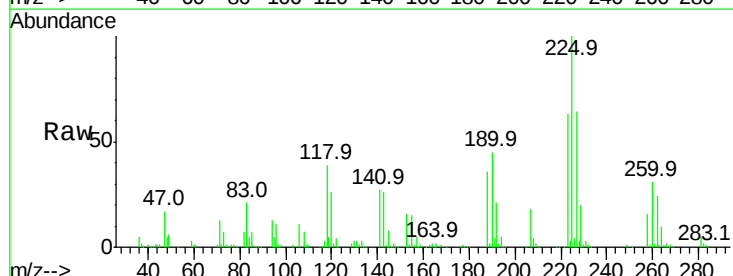
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

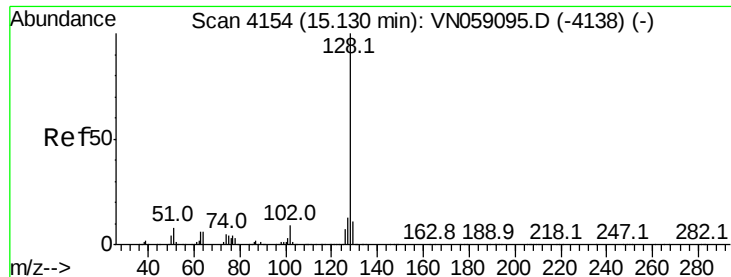
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	245125		
182	94.4	48.1	144.3	
145	29.7	15.1	45.3	



#94
 Hexachlorobutadiene
 Concen: 54.061 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059321.D
 Acq: 20 Nov 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142806		
223	63.2	31.3	93.9	
227	65.1	31.5	94.5	





#95

Naphthalene

Concen: 57.975 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

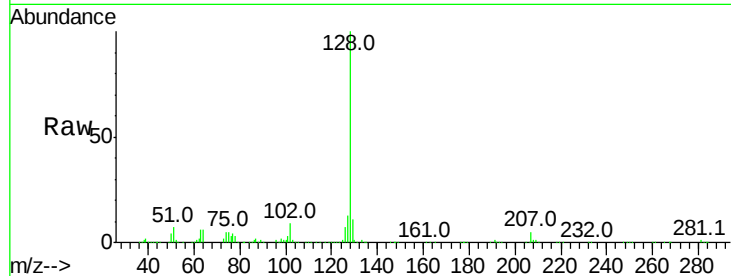
Tgt Ion:128 Resp: 653483

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

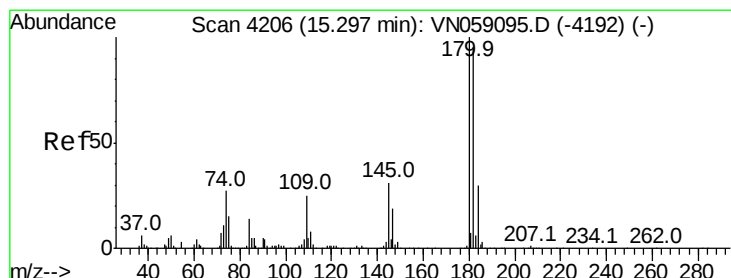
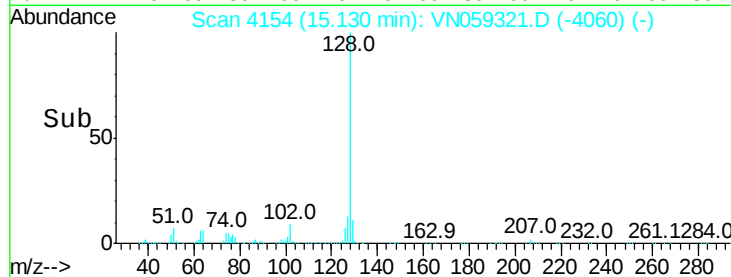
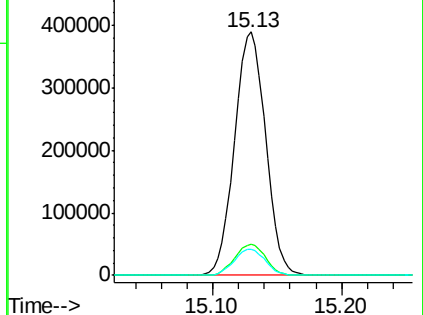
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.367 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059321.D

Acq: 20 Nov 2019 12:30

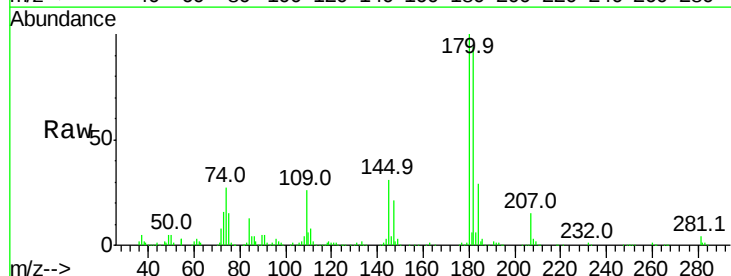
Tgt Ion:180 Resp: 246304

Ion Ratio Lower Upper

180 100

182 94.3 47.3 141.8

145 31.2 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

