

Data File : VN059320.D
Acq On : 20 Nov 2019 12:08
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Quant Time: Nov 20 15:07:05 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	7.64	168	384531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	613642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	546013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246051	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	87771	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	
35) Dibromofluoromethane	7.57	113	67713	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	10.08	98	274780	19.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.08%	
62) 4-Bromofluorobenzene	12.40	95	95528	18.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98076	25.314	ug/l	99
3) Chloromethane	2.04	50	117773	22.363	ug/l	99
4) Vinyl Chloride	2.17	62	124891	24.460	ug/l	99
5) Bromomethane	2.54	94	66507	22.635	ug/l	99
6) Chloroethane	2.68	64	63746	21.105	ug/l	98
7) Trichlorofluoromethane	3.00	101	125831	20.603	ug/l	99
8) Diethyl Ether	3.39	74	50824	20.481	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75389	20.473	ug/l	98
10) Methyl Iodide	3.93	142	93653	20.547	ug/l	98
11) Tert butyl alcohol	4.75	59	86497	96.018	ug/l	98
12) 1,1-Dichloroethene	3.72	96	76279	21.265	ug/l	98
13) Acrolein	3.58	56	74846	161.148	ug/l	99
14) Allyl chloride	4.30	41	141732	19.235	ug/l	98
15) Acrylonitrile	4.96	53	230853	102.973	ug/l	99
16) Acetone	3.79	43	201637	82.031	ug/l	97
17) Carbon Disulfide	4.03	76	243480	21.866	ug/l	100
18) Methyl Acetate	4.30	43	128719	22.062	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	253561	20.532	ug/l	100
20) Methylene Chloride	4.53	84	86071	20.099	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	82715	21.482	ug/l	97
22) Diisopropyl ether	5.92	45	278092	19.981	ug/l	94
23) Vinyl Acetate	5.87	43	1103756	102.328	ug/l	100
24) 1,1-Dichloroethane	5.82	63	156921	20.187	ug/l	99
25) 2-Butanone	6.81	43	307176	94.819	ug/l	99
26) 2,2-Dichloropropane	6.80	77	134568	19.798	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	91224	20.422	ug/l	98
28) Bromochloromethane	7.17	49	61250	26.190	ug/l	95
29) Tetrahydrofuran	7.19	42	209964	102.002	ug/l	97
30) Chloroform	7.35	83	150189	20.141	ug/l	99
31) Cyclohexane	7.63	56	150801	20.492	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	129866	20.715	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118924	20.734	ug/l	99
37) Ethyl Acetate	6.90	43	129489	20.293	ug/l	100
38) Carbon Tetrachloride	7.75	117	111197	19.478	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142510	21.408	ug/l	99
40) Benzene	8.02	78	349357	20.226	ug/l	100
41) Methacrylonitrile	7.18	41	179646	64.745	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	114997	19.412	ug/l	99
43) Isopropyl Acetate	8.14	43	193973	19.068	ug/l	98
44) Trichloroethene	8.82	130	87970	20.719	ug/l	99
45) 1,2-Dichloropropane	9.10	63	93159	19.857	ug/l	98
46) Dibromomethane	9.19	93	57670	19.726	ug/l	99
47) Bromodichloromethane	9.39	83	113953	19.520	ug/l	96
48) Methyl methacrylate	9.19	41	85074	18.697	ug/l	97
49) 1,4-Dioxane	9.19	88	26036	321.972	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	613948	106.663	ug/l	99
52) Toluene	10.15	92	210801	20.362	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	128663	19.077	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	141673	19.528	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82725	19.745	ug/l	98
56) Ethyl methacrylate	10.42	69	122092	19.632	ug/l	99
57) 1,3-Dichloropropane	10.70	76	142795	19.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	214943	92.182	ug/l	99
59) 2-Hexanone	10.75	43	441574	99.949	ug/l	99
60) Dibromochloromethane	10.90	129	86608	19.551	ug/l	100
61) 1,2-Dibromoethane	11.00	107	85028	20.047	ug/l	98
64) Tetrachloroethene	10.63	164	75784	20.412	ug/l	97
65) Chlorobenzene	11.43	112	218590	20.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81515	20.416	ug/l	100
67) Ethyl Benzene	11.51	91	395793	20.958	ug/l	100
68) m/p-Xylenes	11.62	106	293060	41.428	ug/l	100
69) o-Xylene	11.95	106	140732	20.586	ug/l	99
70) Styrene	11.96	104	219121	20.380	ug/l	99
71) Bromoform	12.13	173	60674	19.536	ug/l #	99
73) Isopropylbenzene	12.25	105	375827	20.998	ug/l	100
74) N-amyl acetate	12.07	43	144219	19.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	124850	20.484	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	163909	29.260	ug/l #	100
77) Bromobenzene	12.53	156	89742	19.957	ug/l	99
78) n-propylbenzene	12.59	91	434831	21.219	ug/l	99
79) 2-Chlorotoluene	12.67	91	258173	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	316985	20.901	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41285	19.466	ug/l	99
82) 4-Chlorotoluene	12.77	91	260932	20.464	ug/l	99
83) tert-Butylbenzene	12.99	119	271289	20.714	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	313228	21.348	ug/l	99
85) sec-Butylbenzene	13.17	105	361816	21.242	ug/l	99
86) p-Isopropyltoluene	13.29	119	322699	21.457	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	156177	20.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	154116	20.004	ug/l	100
89) n-Butylbenzene	13.62	91	274589	20.860	ug/l	100
90) Hexachloroethane	13.88	117	58911	19.507	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	153867	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24820	18.043	ug/l	97

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81890	20.181	ug/l	98
94) Hexachlorobutadiene	15.01	225	54525	20.876	ug/l	100
95) Naphthalene	15.13	128	219371	19.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	83728	19.724	ug/l	99

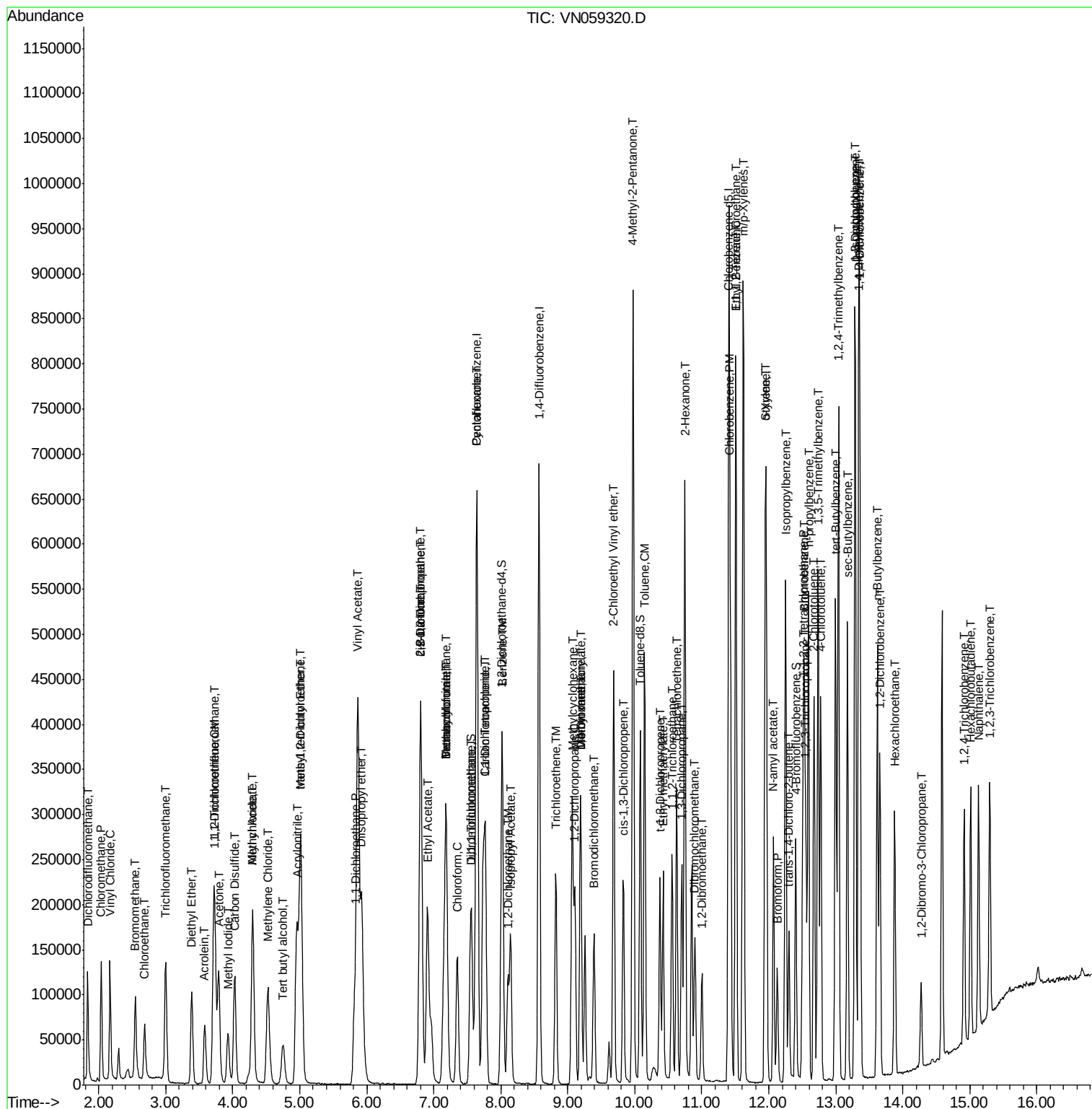
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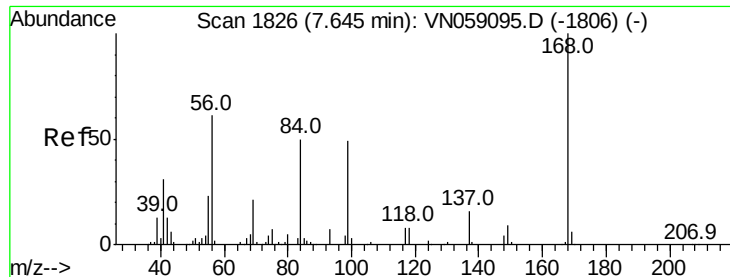
Data File : VN059320.D

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Acq On       : 20 Nov 2019   12:08
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ALS Vial    : 5      Sample Multiplier: 1
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Instrument :
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Quant Time: Nov 20 15:07:05 2019
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

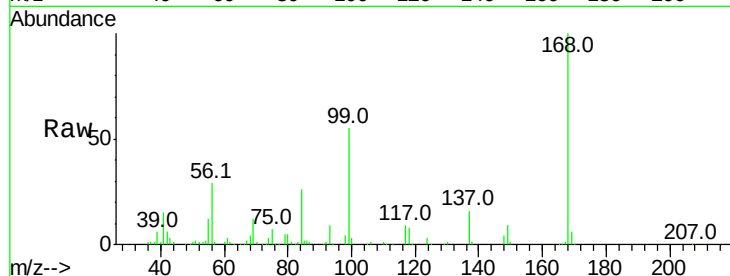
VSTDIC020

Tgt Ion:168 Resp: 384531

Ion Ratio Lower Upper

168 100

99 55.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

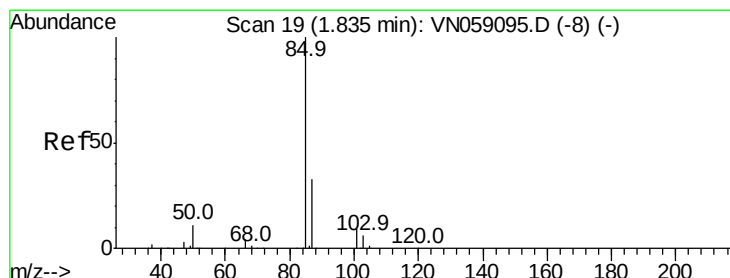
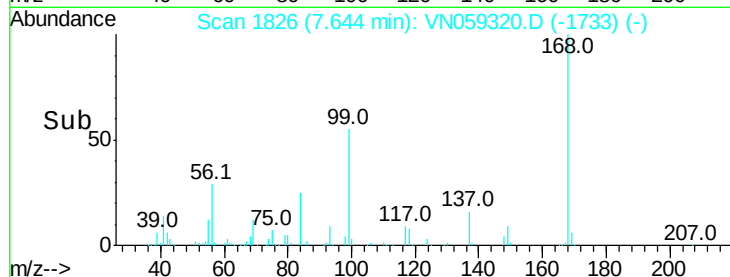
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 25.314 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059320.D

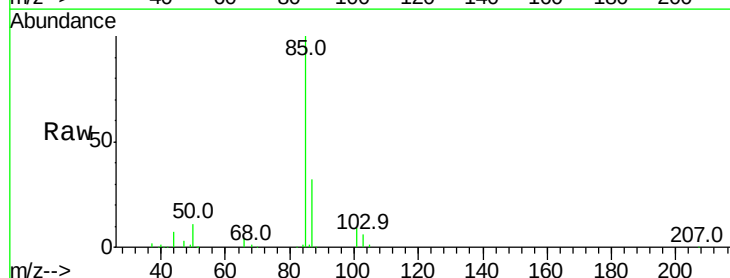
Acq: 20 Nov 2019 12:08

Tgt Ion: 85 Resp: 98076

Ion Ratio Lower Upper

85 100

87 31.9 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

80000

60000

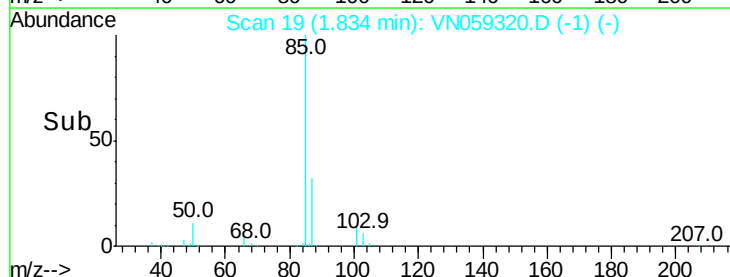
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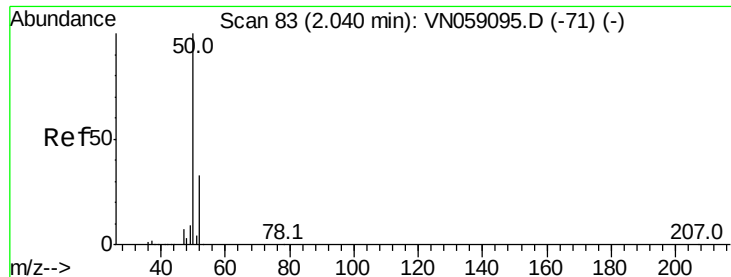
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.363 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

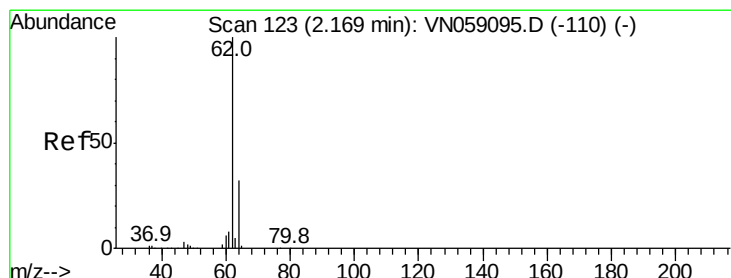
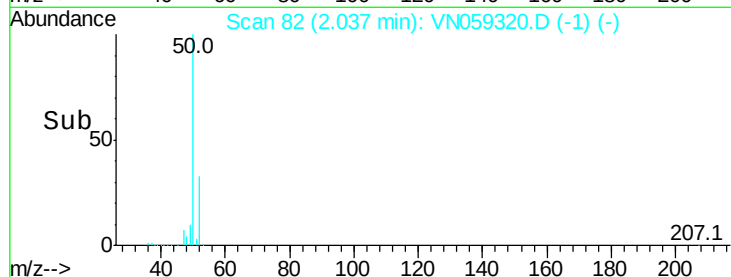
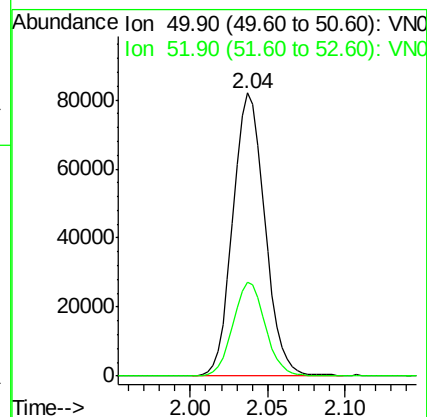
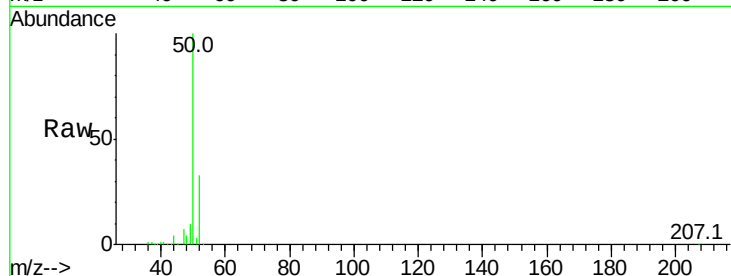
VSTDIC020

Tgt Ion: 50 Resp: 117773

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 24.460 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059320.D

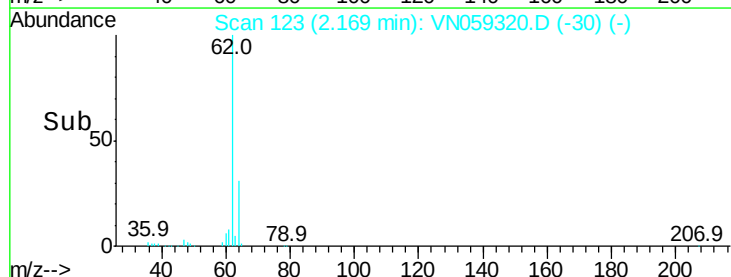
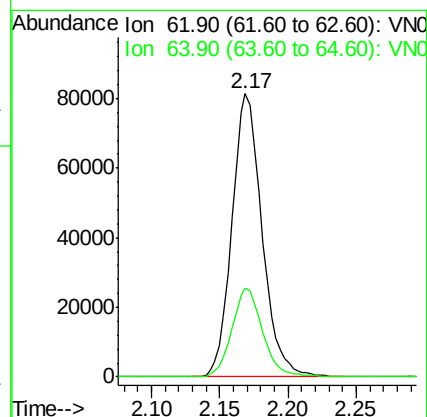
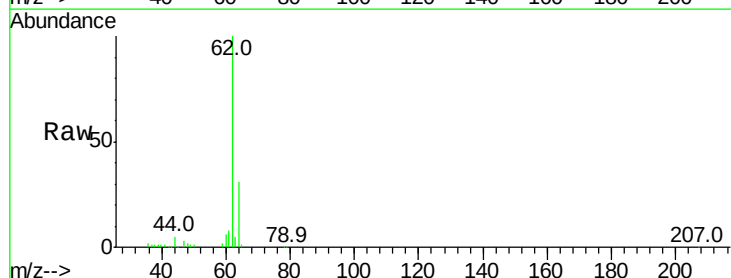
Acq: 20 Nov 2019 12:08

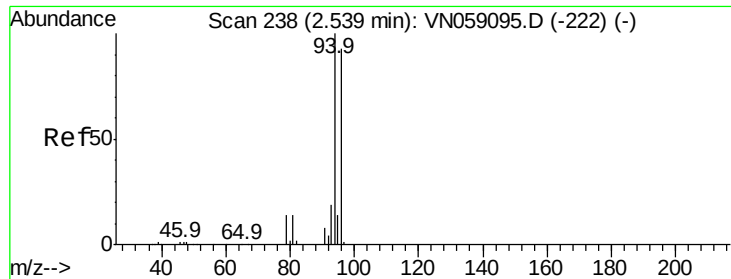
Tgt Ion: 62 Resp: 124891

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 22.635 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

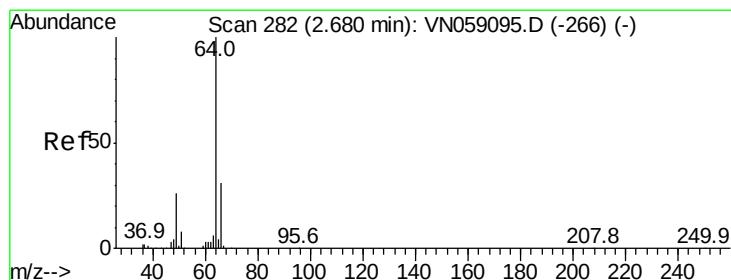
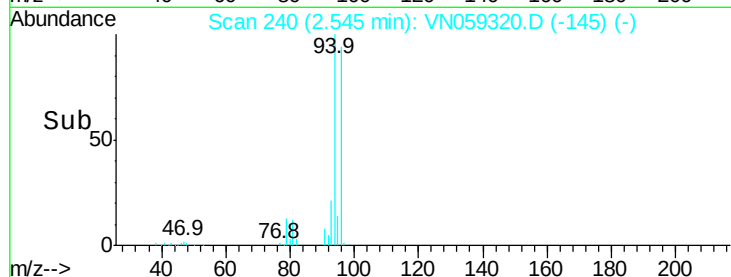
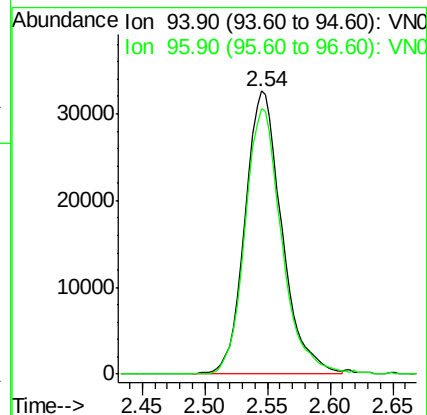
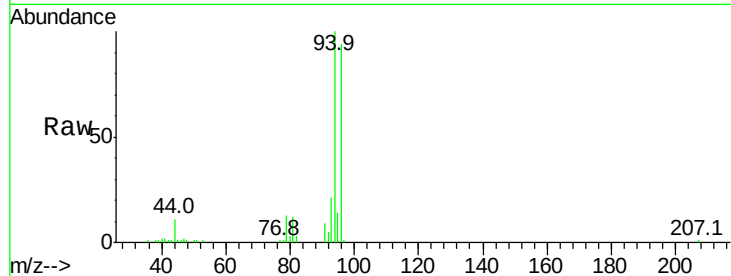
VSTDIC020

Tgt Ion: 94 Resp: 66507

Ion Ratio Lower Upper

94 100

96 93.6 74.2 111.2



#6

Chloroethane

Concen: 21.105 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059320.D

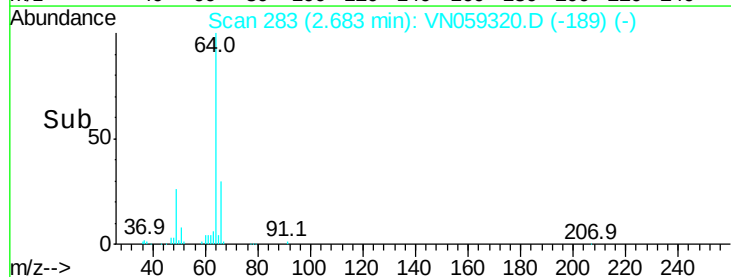
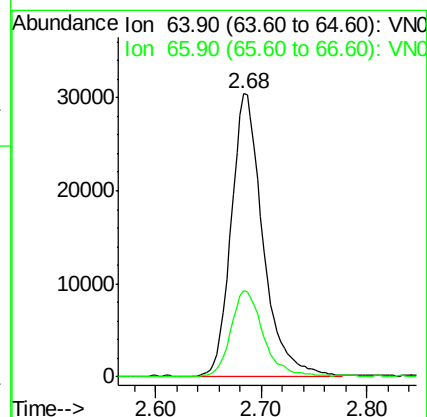
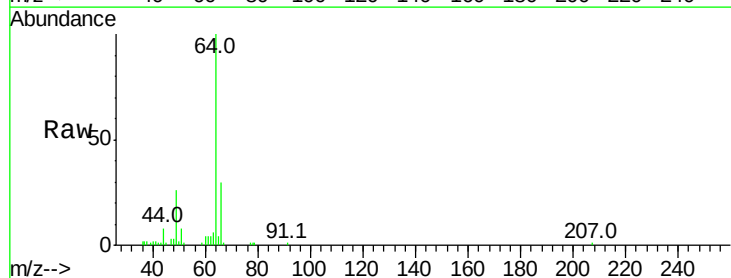
Acq: 20 Nov 2019 12:08

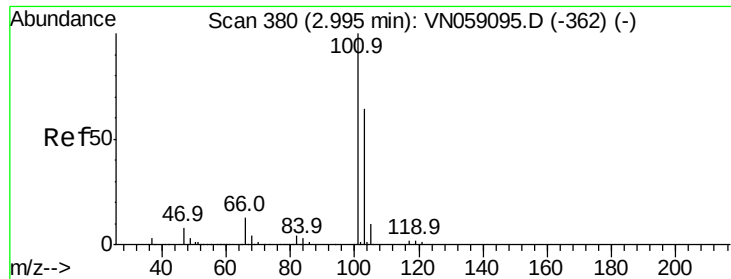
Tgt Ion: 64 Resp: 63746

Ion Ratio Lower Upper

64 100

66 30.3 25.2 37.8



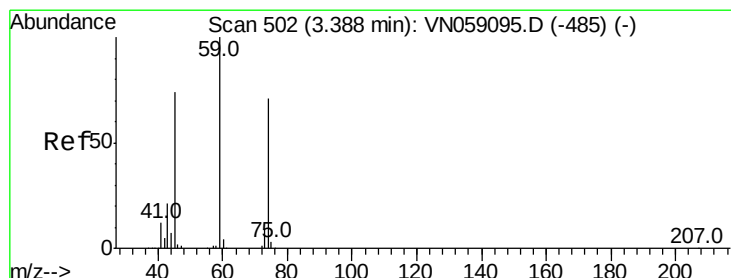
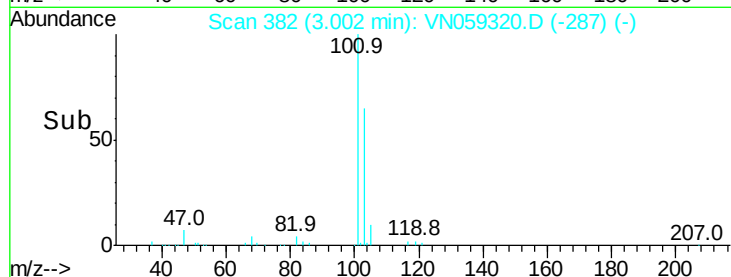
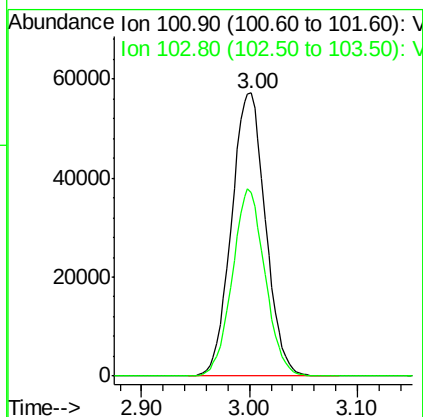
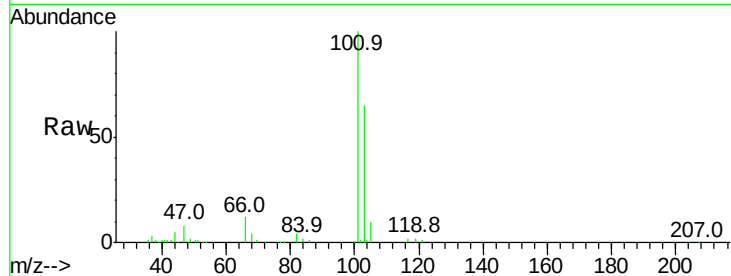


#7

Trichlorofluoromethane
 Concen: 20.603 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
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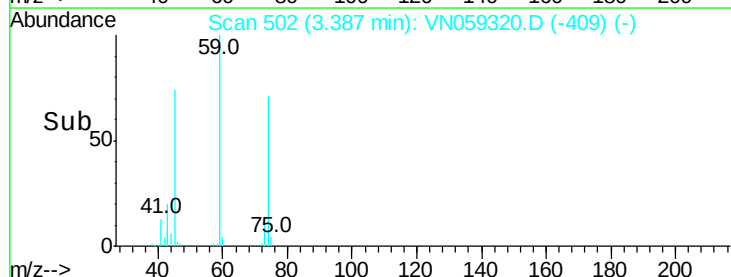
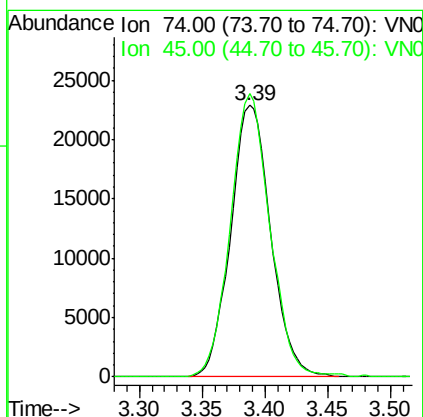
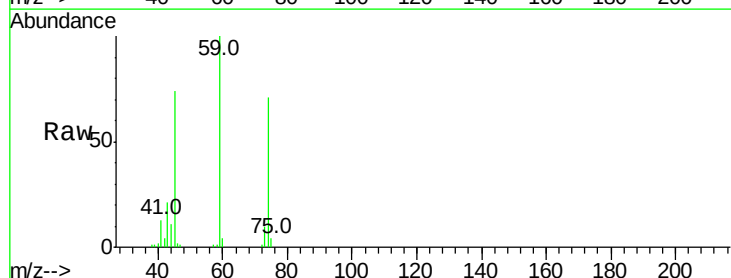
Tgt Ion:101 Resp: 125831
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.2 76.8

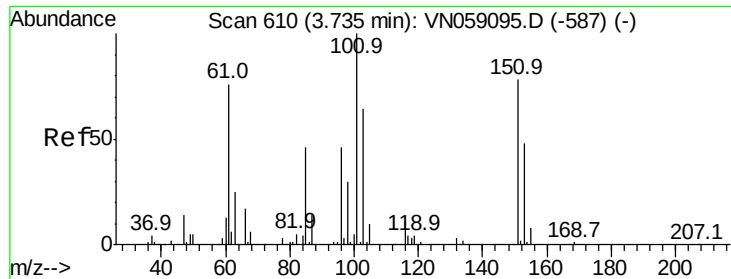


#8

Diethyl Ether
 Concen: 20.481 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 74 Resp: 50824
 Ion Ratio Lower Upper
 74 100
 45 102.9 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.473 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

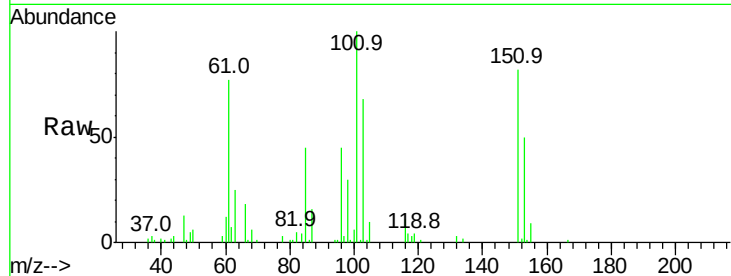
Tgt Ion:101 Resp: 75389

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

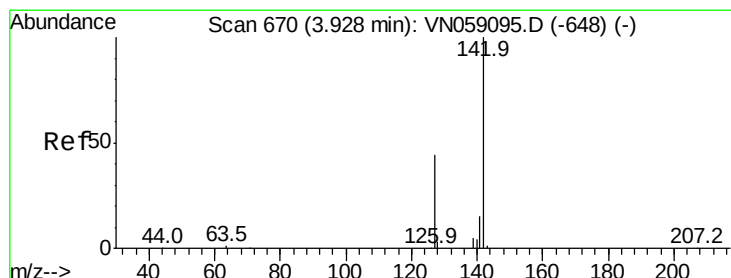
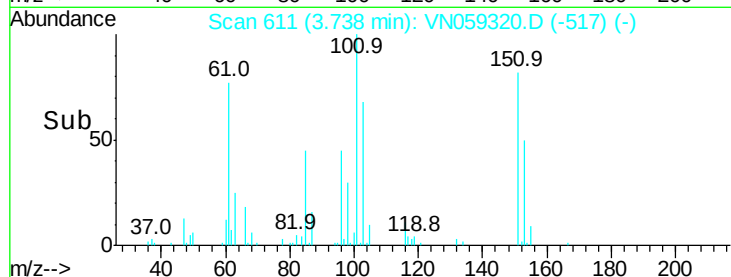
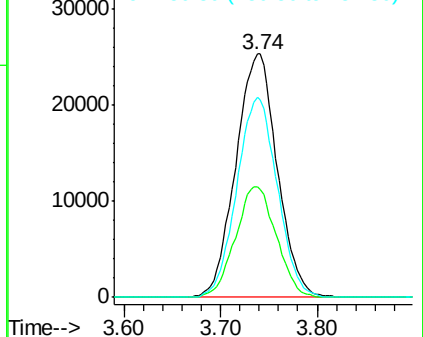
151 80.1 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.547 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

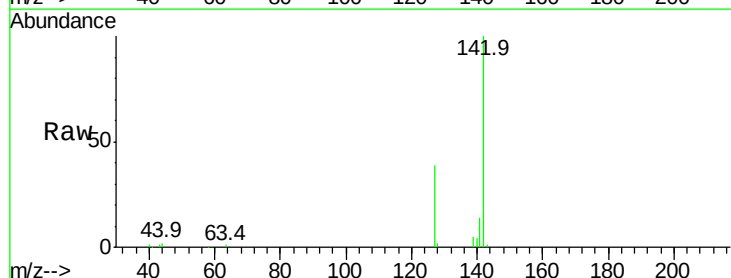
Tgt Ion:142 Resp: 93653

Ion Ratio Lower Upper

142 100

127 40.8 34.2 51.2

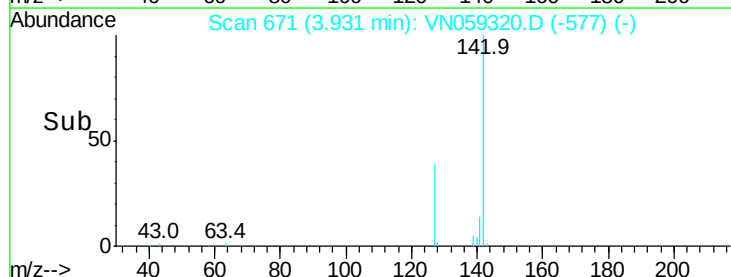
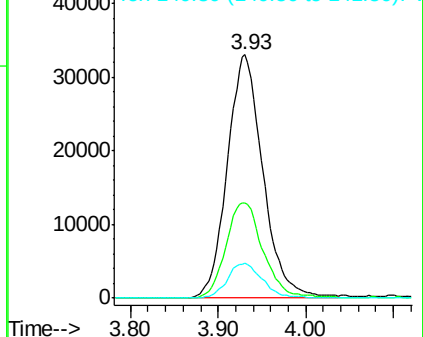
141 13.9 11.4 17.0

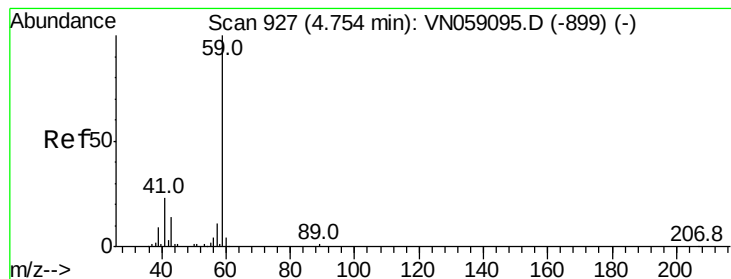


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.018 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

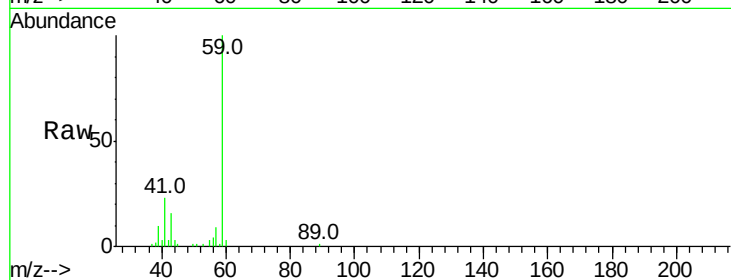
VSTDIC020

Tgt Ion: 59 Resp: 86497

Ion Ratio Lower Upper

59 100

57 9.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

25000

20000

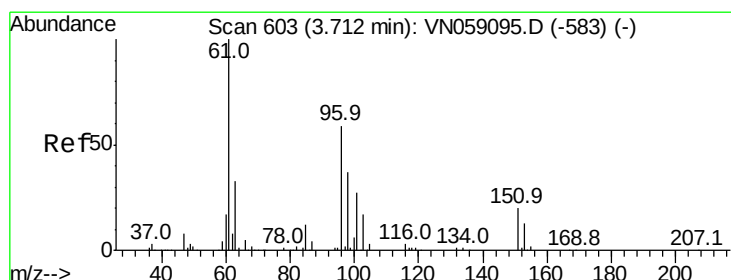
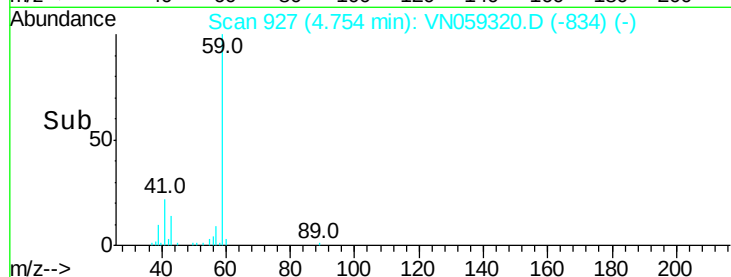
15000

10000

5000

0

Time--> 4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 21.265 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

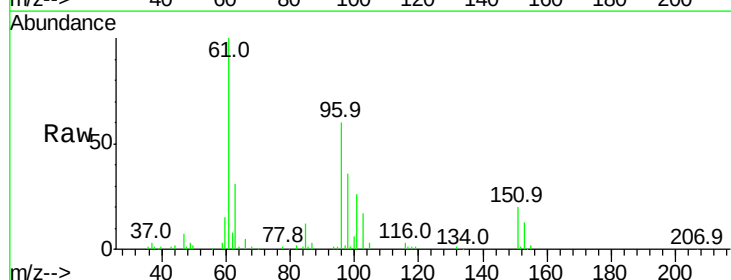
Tgt Ion: 96 Resp: 76279

Ion Ratio Lower Upper

96 100

61 167.6 136.5 204.7

98 60.5 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

3.72

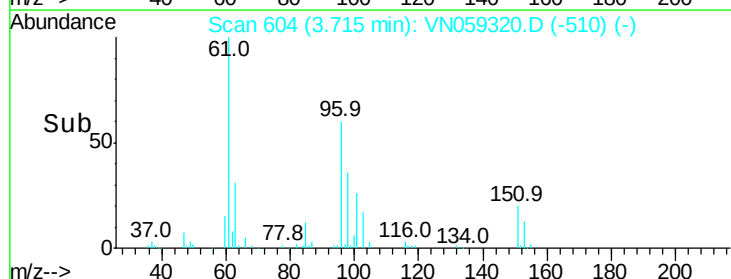
60000

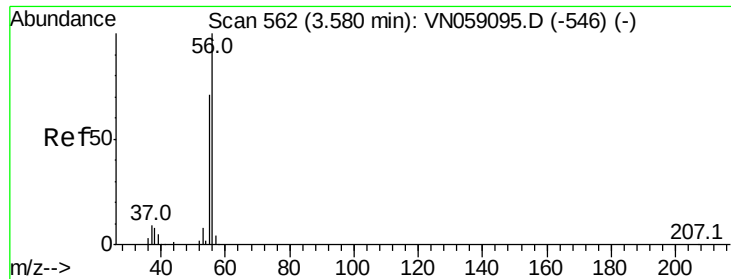
40000

20000

0

Time--> 3.60 3.70 3.80





#13

Acrolein

Concen: 161.148 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

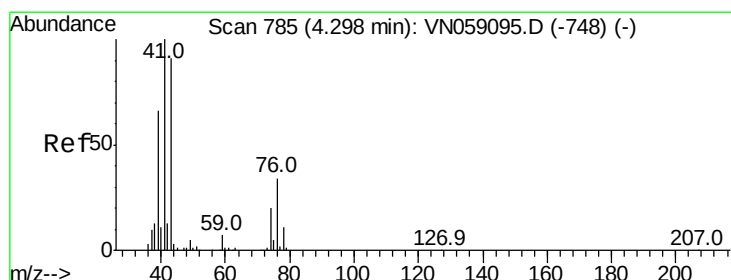
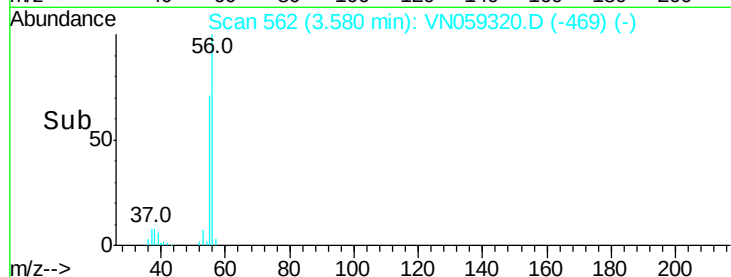
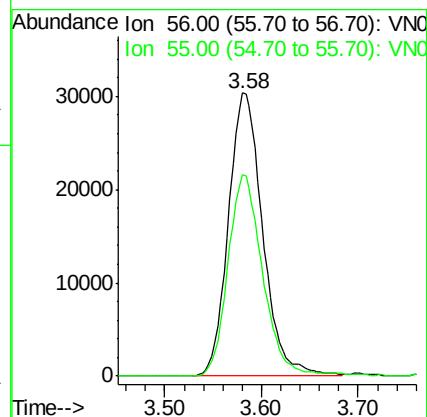
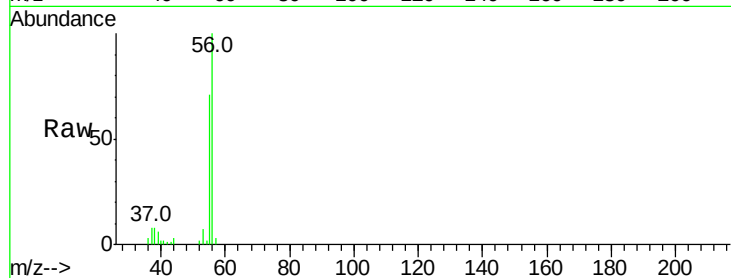
VSTDIC020

Tgt Ion: 56 Resp: 74846

Ion Ratio Lower Upper

56 100

55 71.5 56.4 84.6



#14

Allyl chloride

Concen: 19.235 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

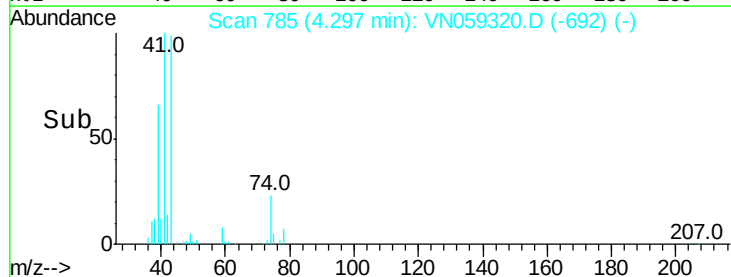
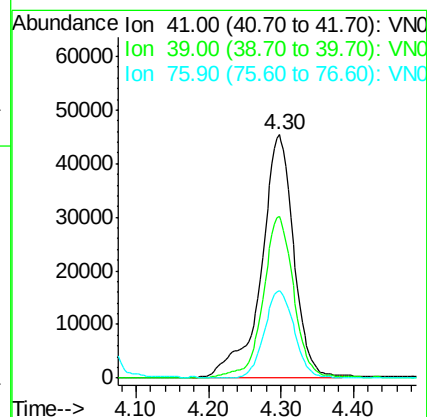
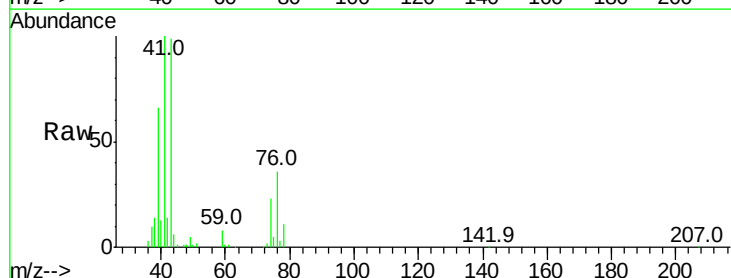
Tgt Ion: 41 Resp: 141732

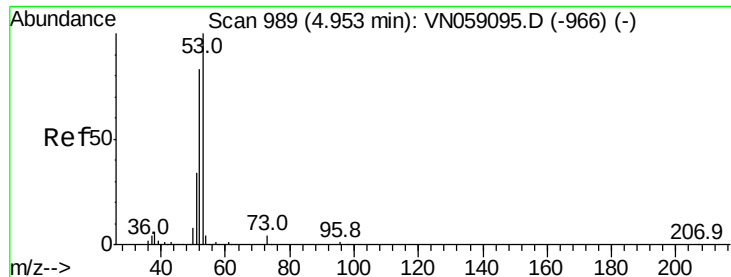
Ion Ratio Lower Upper

41 100

39 62.7 49.1 73.7

76 32.9 24.9 37.3





#15

Acrylonitrile

Concen: 102.973 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

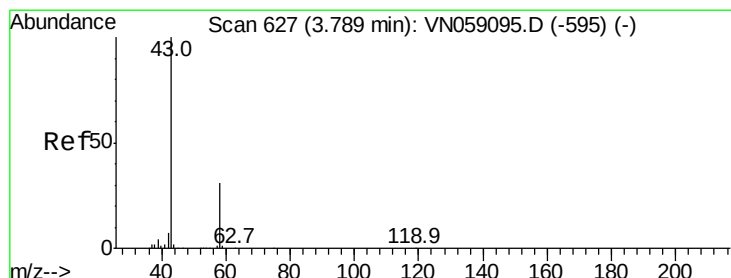
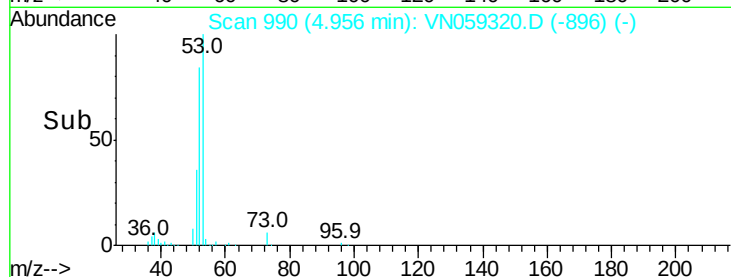
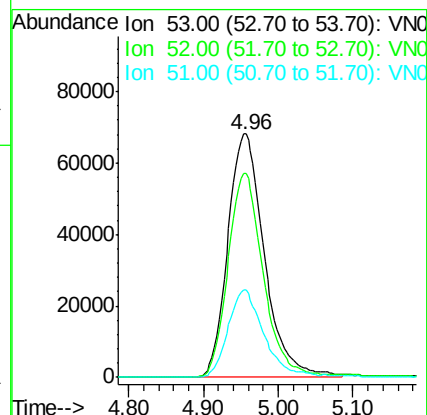
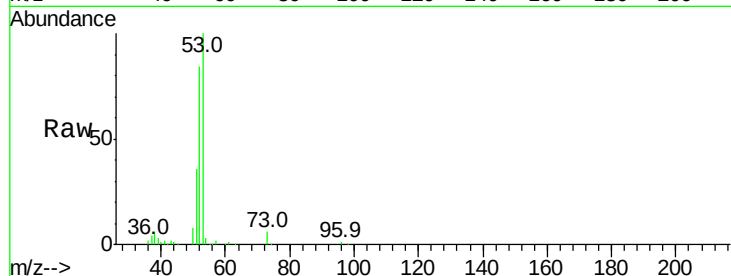
Tgt Ion: 53 Resp: 230853

Ion Ratio Lower Upper

53 100

52 80.6 65.0 97.6

51 35.1 28.0 42.0



#16

Acetone

Concen: 82.031 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059320.D

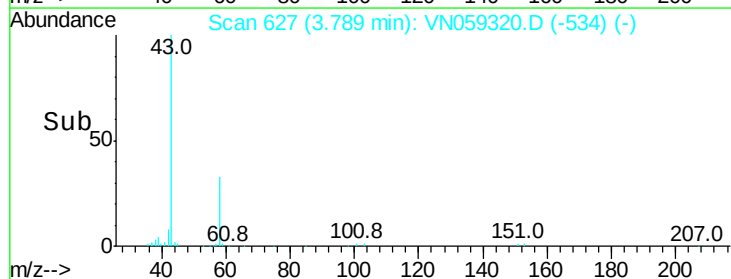
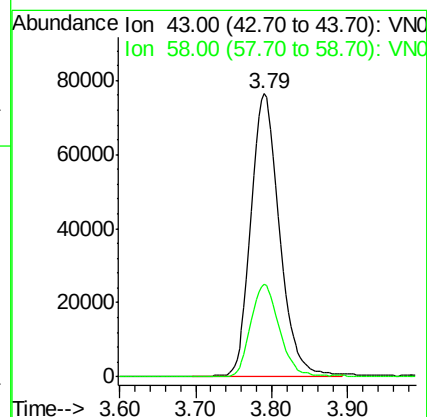
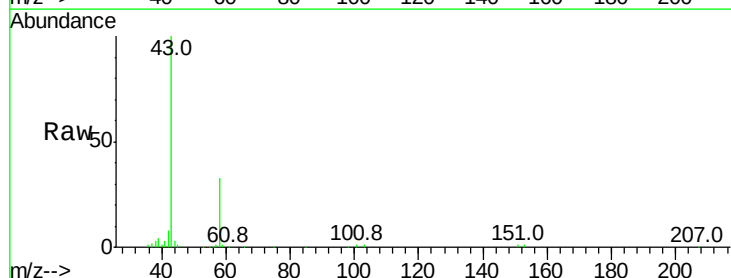
Acq: 20 Nov 2019 12:08

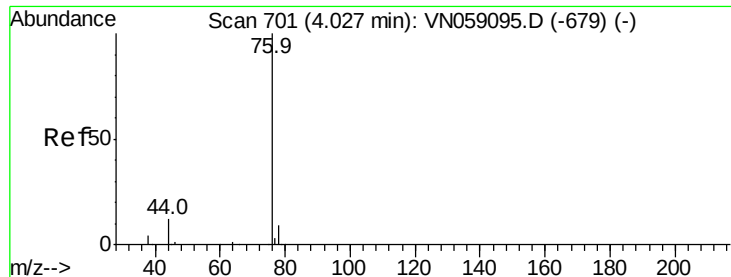
Tgt Ion: 43 Resp: 201637

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3





#17

Carbon Disulfide

Concen: 21.866 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

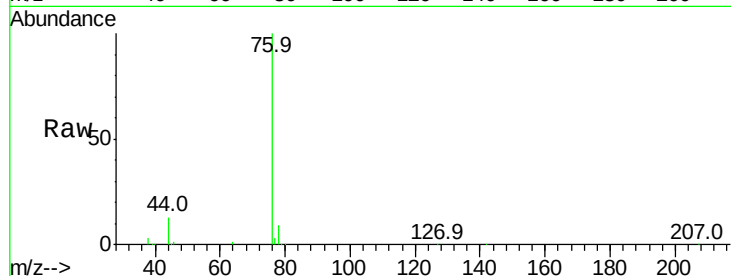
VSTDIC020

Tgt Ion: 76 Resp: 243480

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

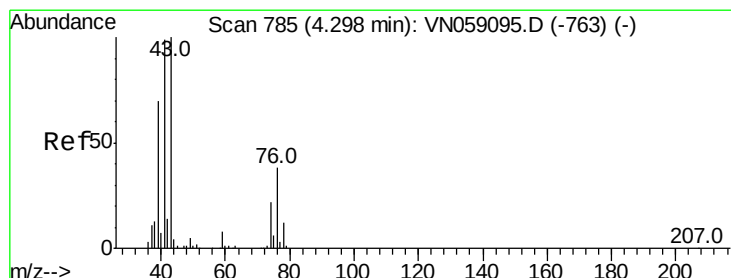
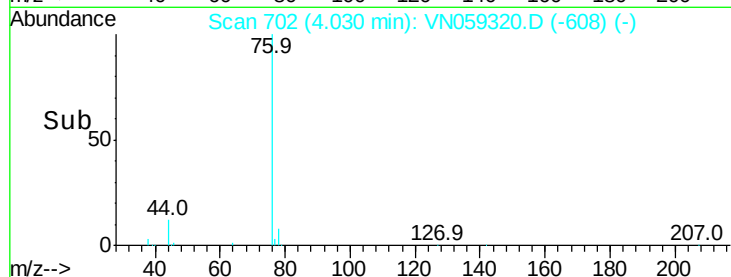
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 22.062 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059320.D

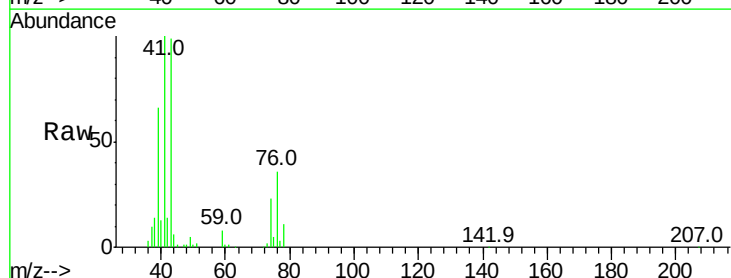
Acq: 20 Nov 2019 12:08

Tgt Ion: 43 Resp: 128719

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

50000

40000

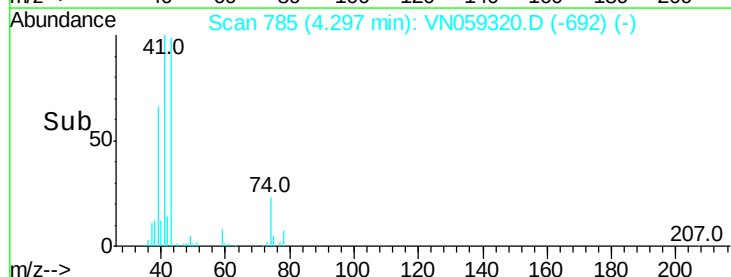
30000

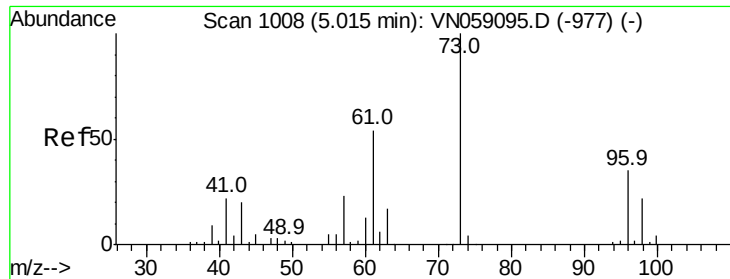
20000

10000

0

Time--> 4.20 4.30 4.40

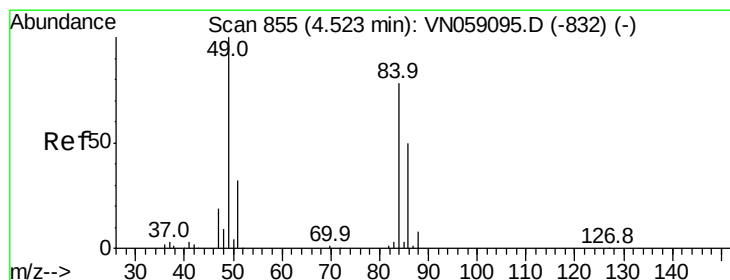
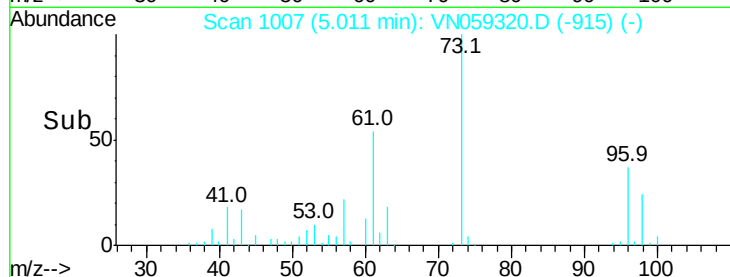
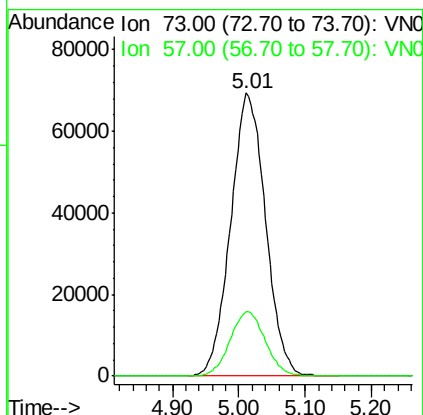
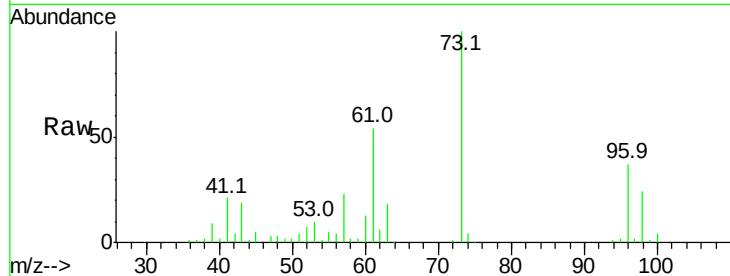




#19
Methyl tert-butyl Ether
Concen: 20.532 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

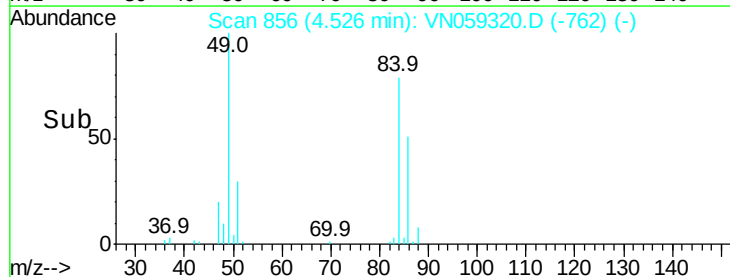
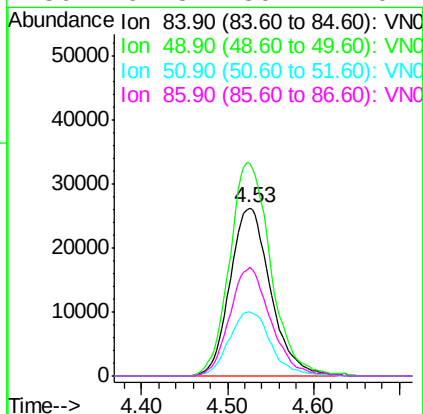
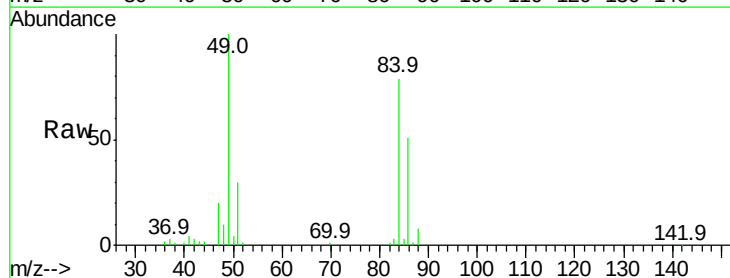
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

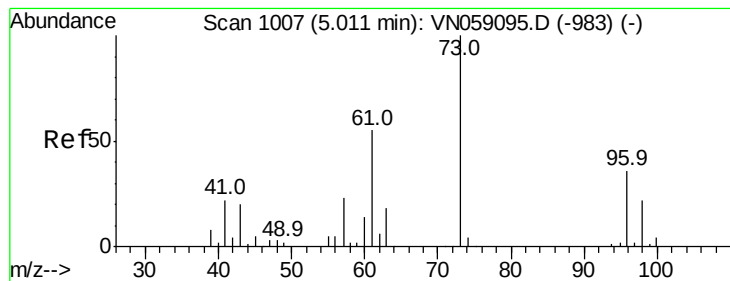
Tgt Ion: 73 Resp: 253561
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 20.099 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 84 Resp: 86071
Ion Ratio Lower Upper
84 100
49 126.8 102.0 153.0
51 38.0 32.2 48.2
86 64.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 21.482 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

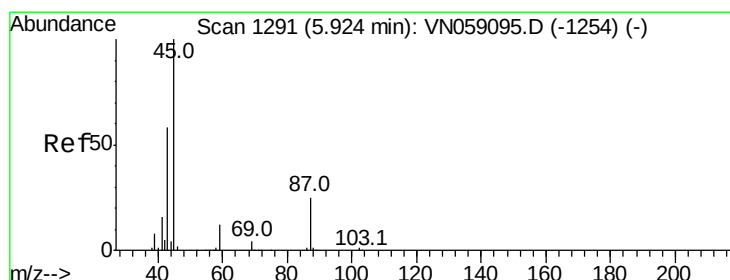
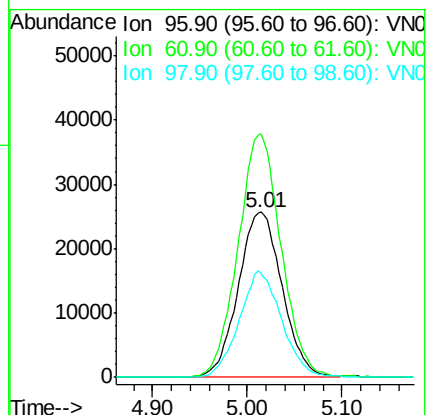
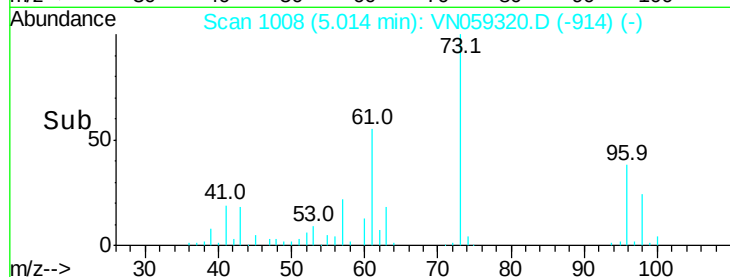
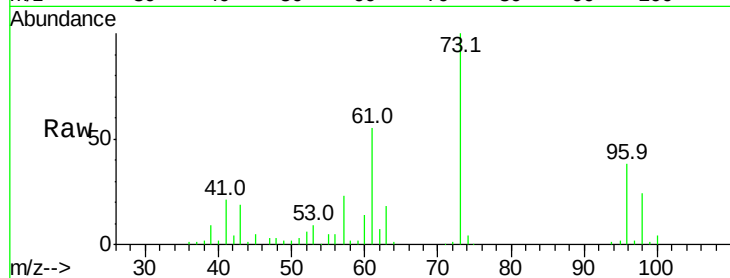
Tgt Ion: 96 Resp: 82715

Ion Ratio Lower Upper

96 100

61 147.5 122.6 183.8

98 63.3 50.3 75.5



#22

Diisopropyl ether

Concen: 19.981 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion: 45 Resp: 278092

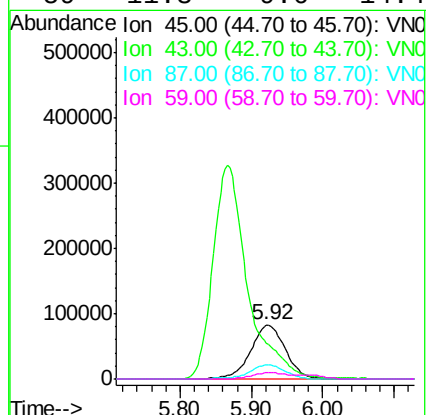
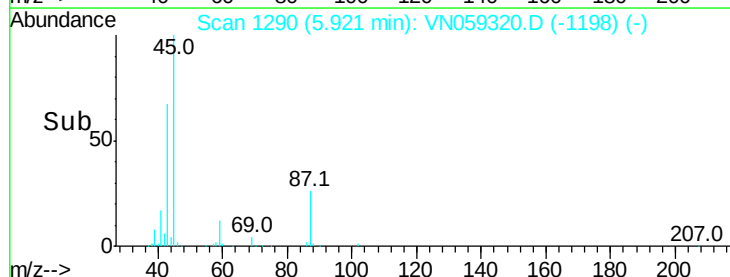
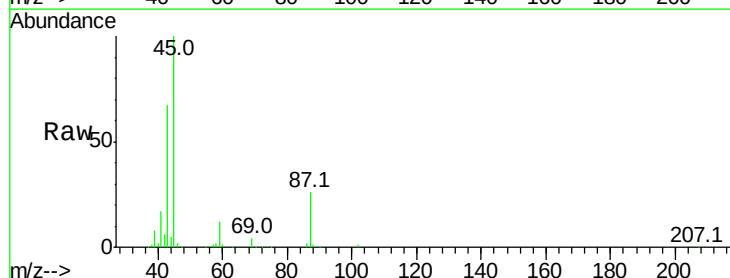
Ion Ratio Lower Upper

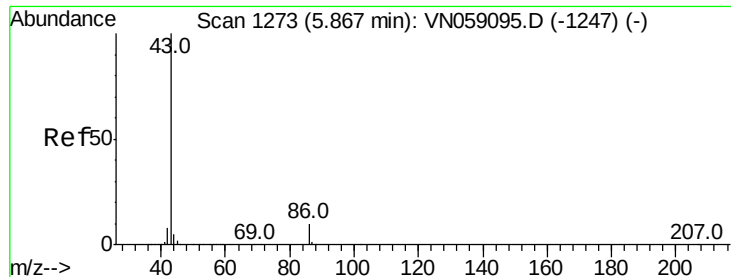
45 100

43 65.3 46.7 70.1

87 26.0 20.5 30.7

59 11.3 9.6 14.4





#23

Vinyl Acetate

Concen: 102.328 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

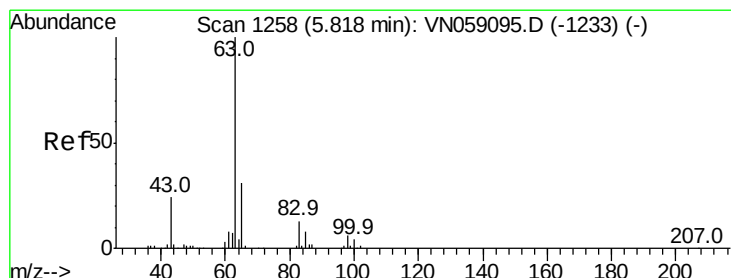
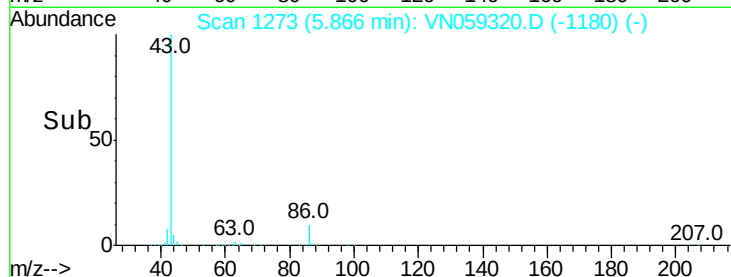
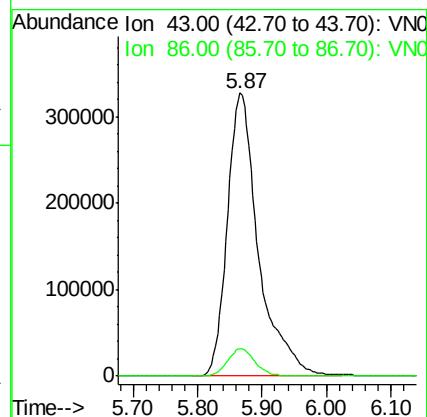
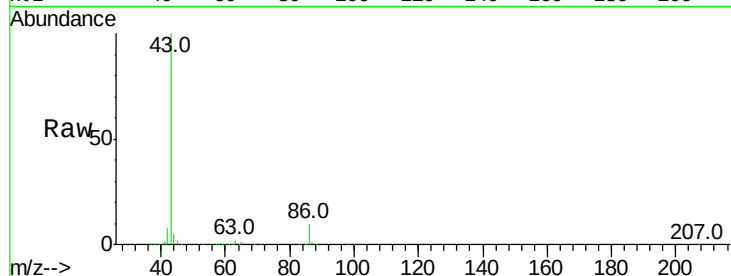
VSTDIC020

Tgt Ion: 43 Resp: 1103756

Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.187 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

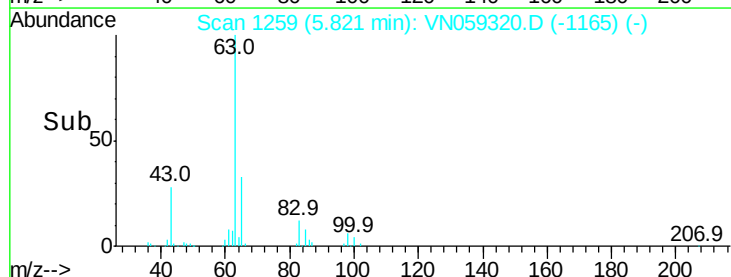
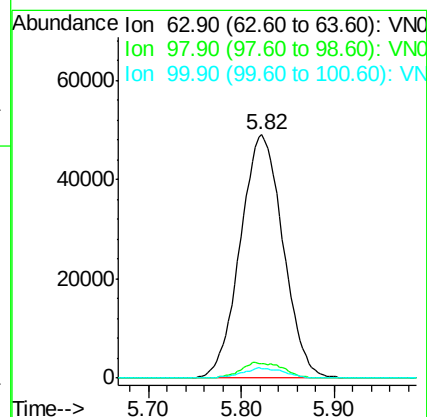
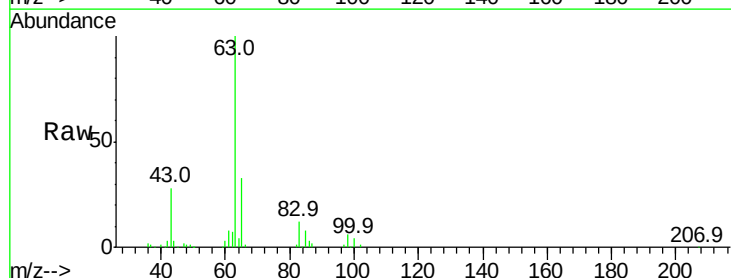
Tgt Ion: 63 Resp: 156921

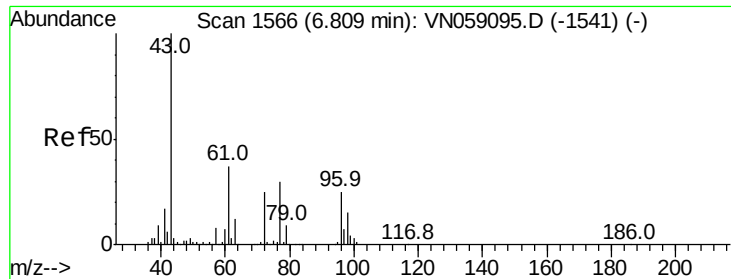
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 4.1 1.9 5.7

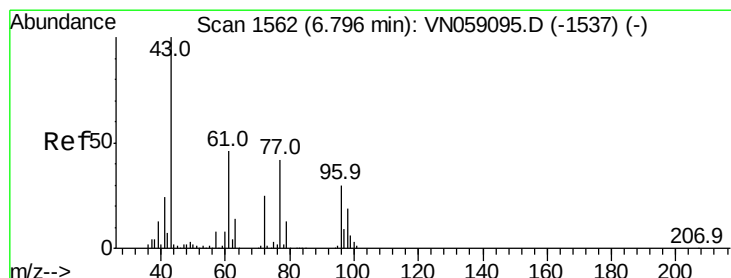
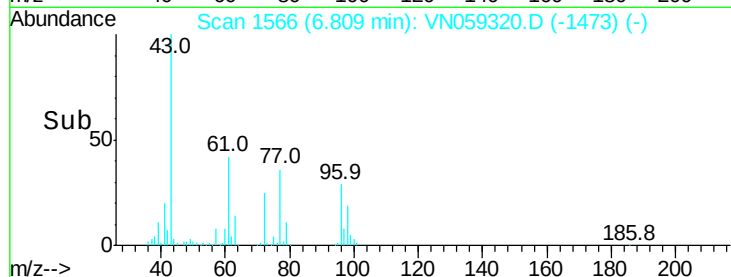
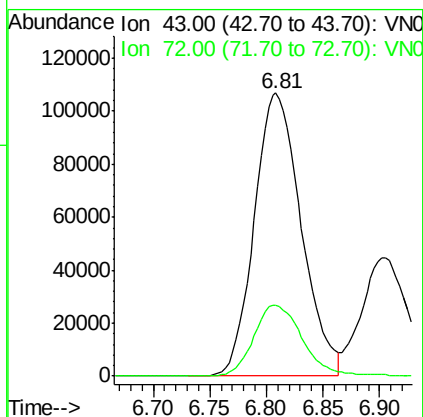
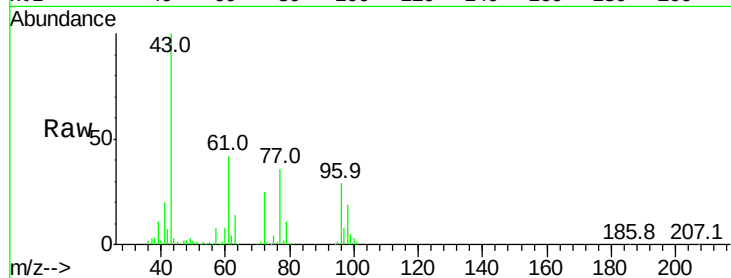




#25
2-Butanone
Concen: 94.819 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

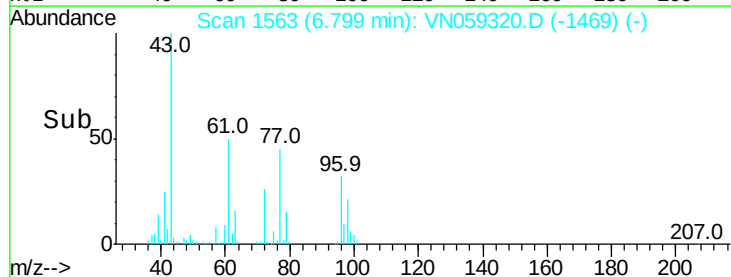
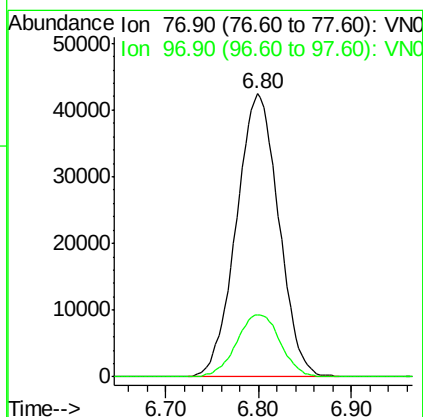
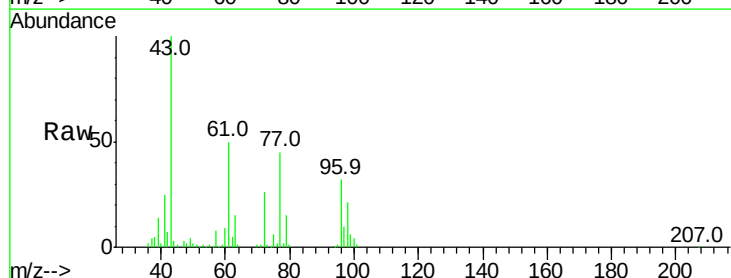
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

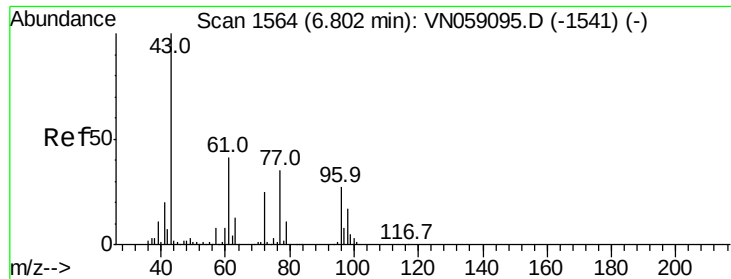
Tgt Ion: 43 Resp: 307176
Ion Ratio Lower Upper
43 100
72 25.1 20.3 30.5



#26
2,2-Dichloropropane
Concen: 19.798 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 77 Resp: 134568
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.422 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

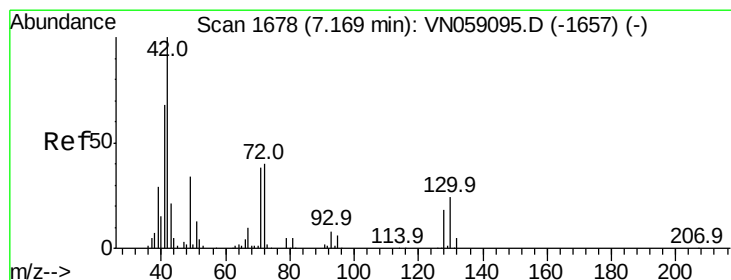
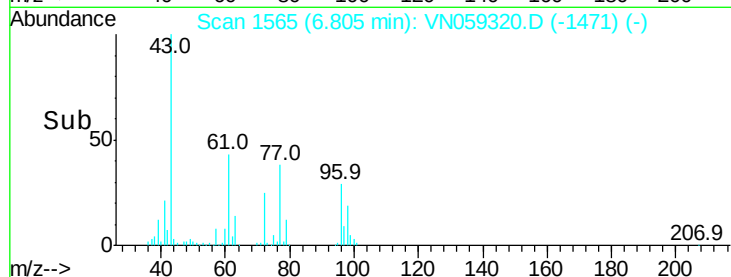
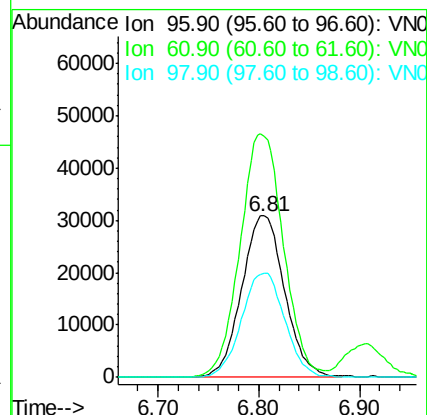
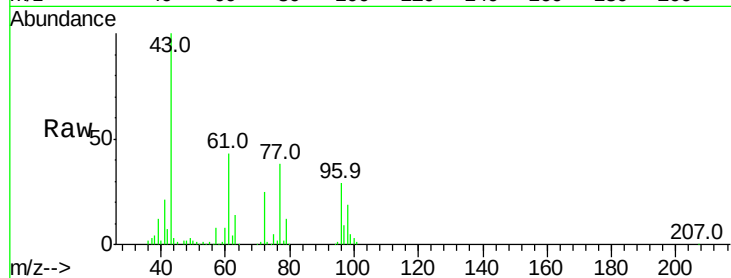
Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 91224

Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	311.6
98	65.1	0.0	129.8



#28

Bromochloromethane

Concen: 26.190 ug/l

RT: 7.17 min Scan# 1679

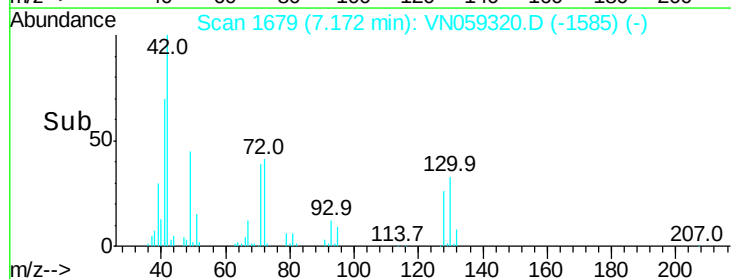
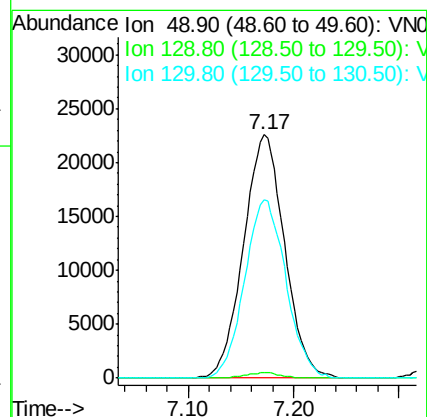
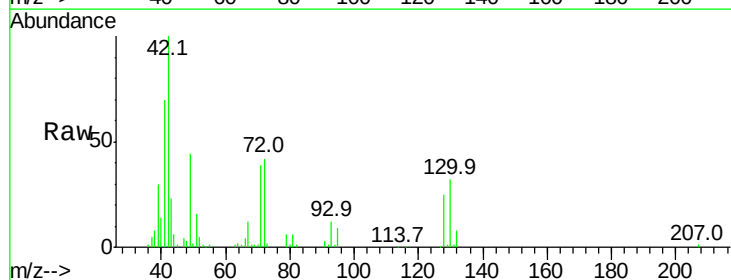
Delta R.T. 0.00 min

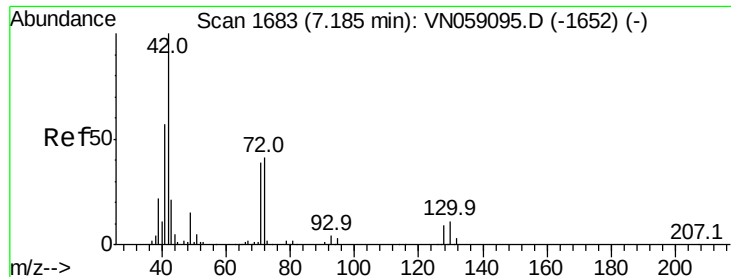
Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion: 49 Resp: 61250

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	73.5	55.6	83.4





#29

Tetrahydrofuran

Concen: 102.002 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

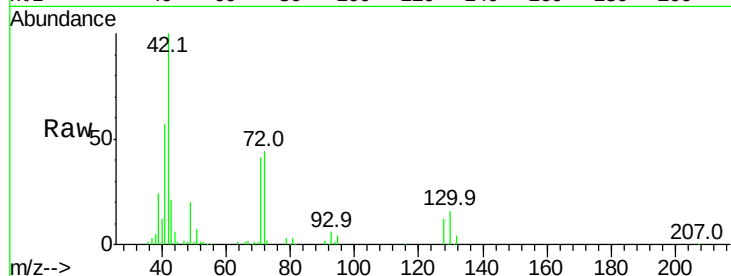
Tgt Ion: 42 Resp: 209964

Ion Ratio Lower Upper

42 100

72 42.9 33.1 49.7

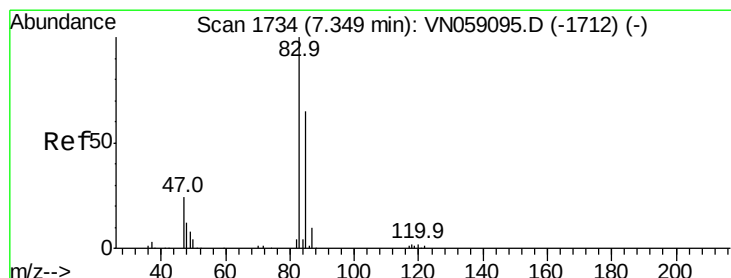
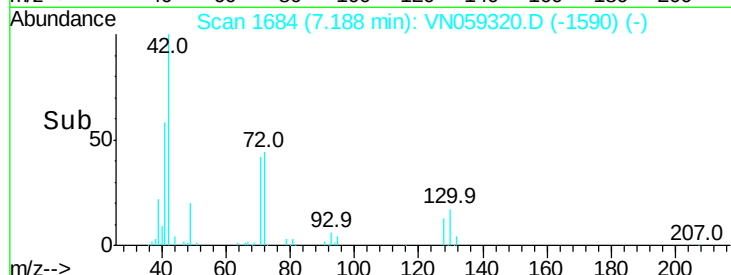
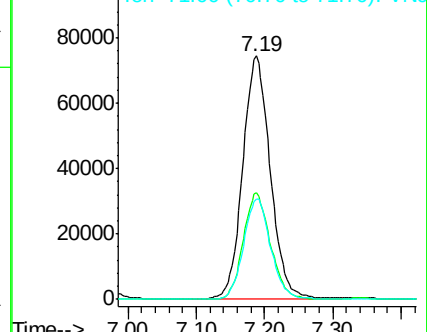
71 40.3 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.141 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059320.D

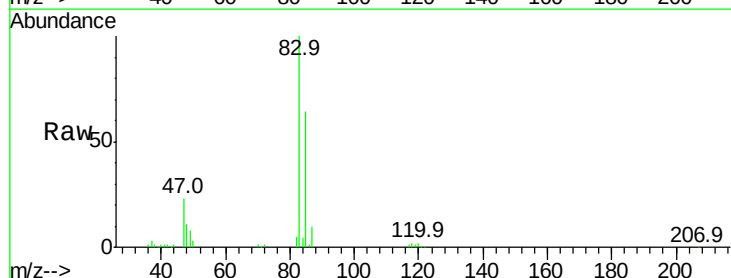
Acq: 20 Nov 2019 12:08

Tgt Ion: 83 Resp: 150189

Ion Ratio Lower Upper

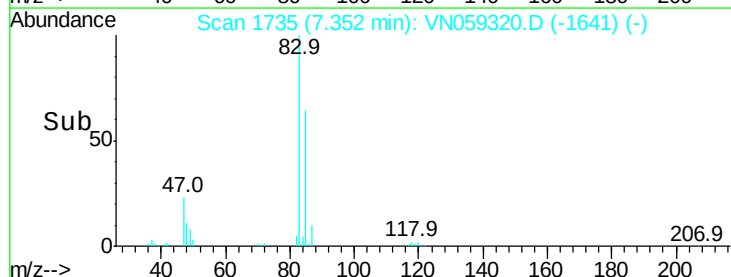
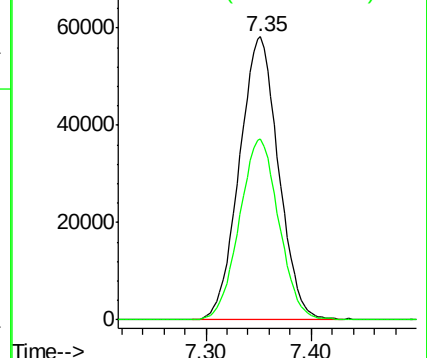
83 100

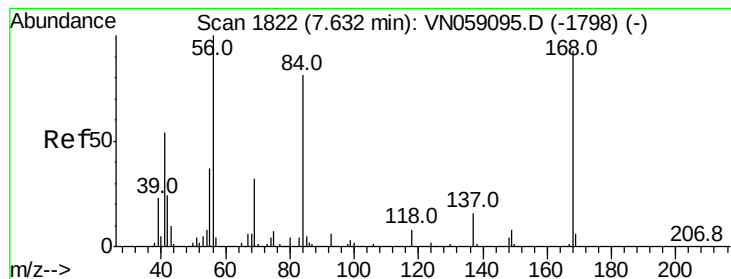
85 63.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.492 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

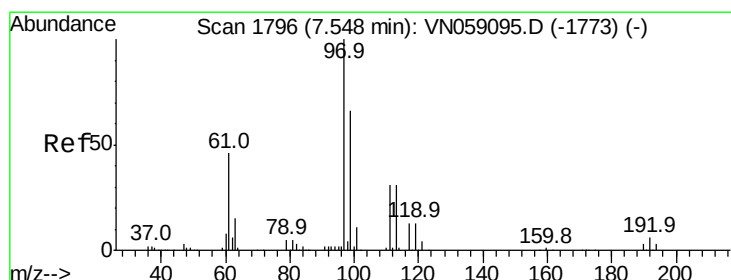
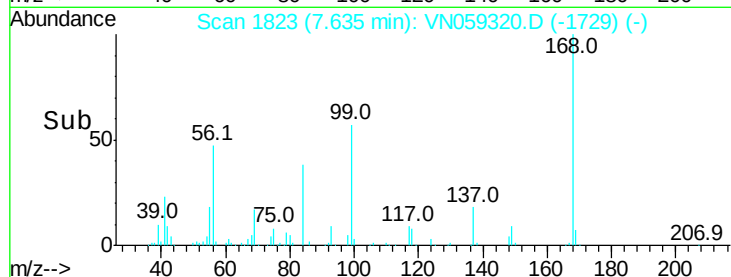
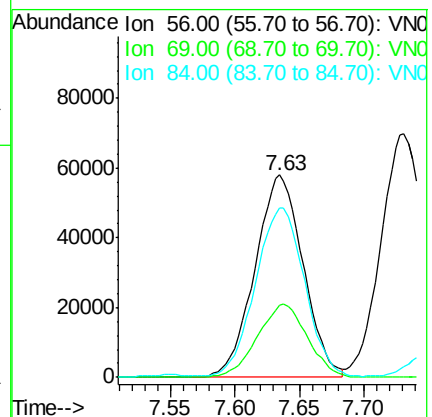
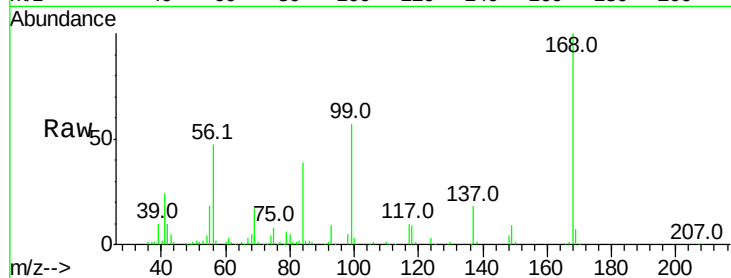
Tgt Ion: 56 Resp: 150801

Ion Ratio Lower Upper

56 100

69 35.5 25.8 38.8

84 82.9 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.715 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

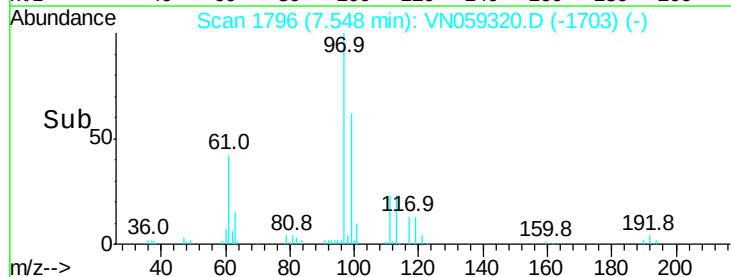
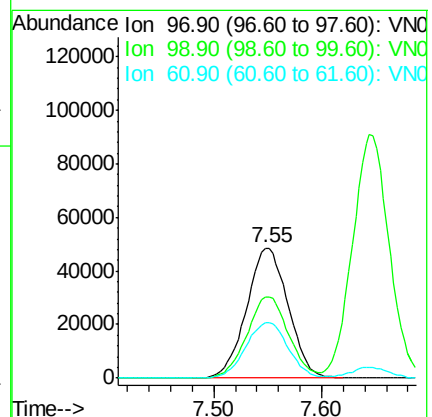
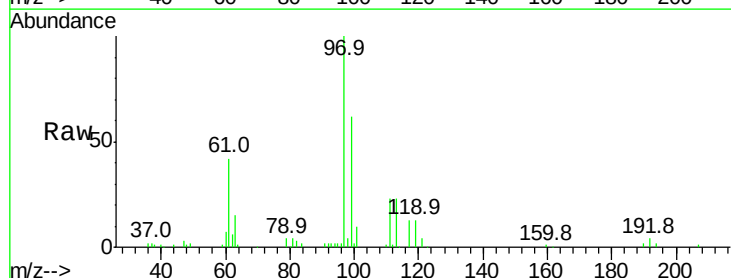
Tgt Ion: 97 Resp: 129866

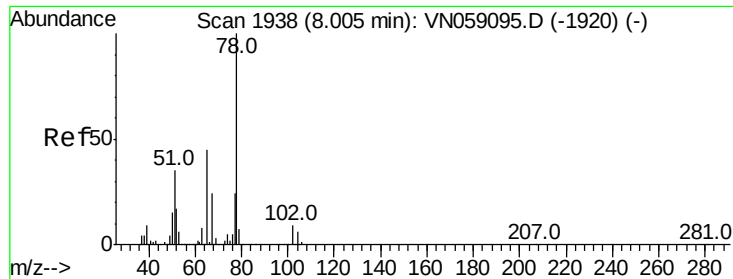
Ion Ratio Lower Upper

97 100

99 62.3 51.0 76.6

61 43.6 35.8 53.8

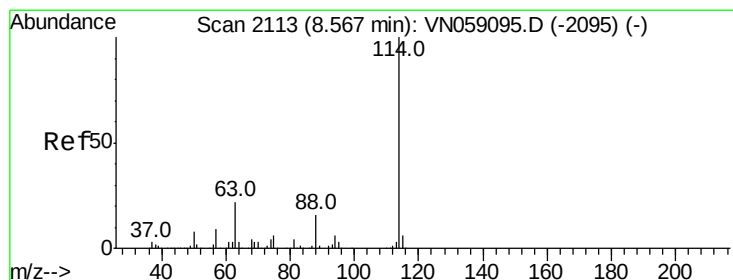
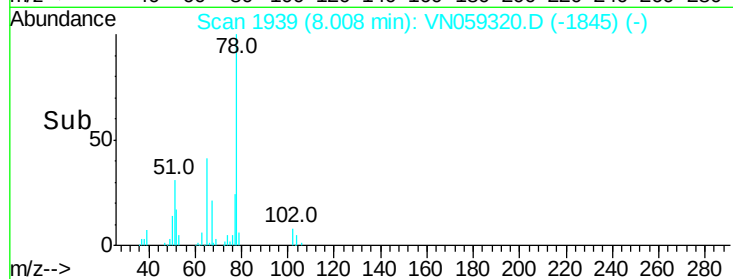
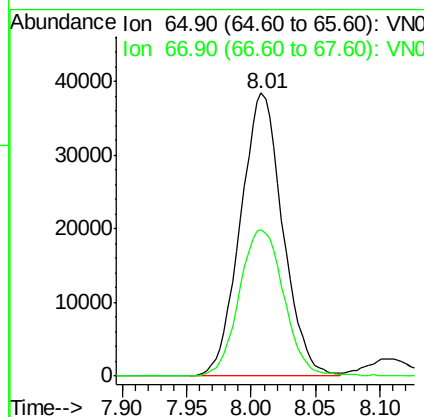
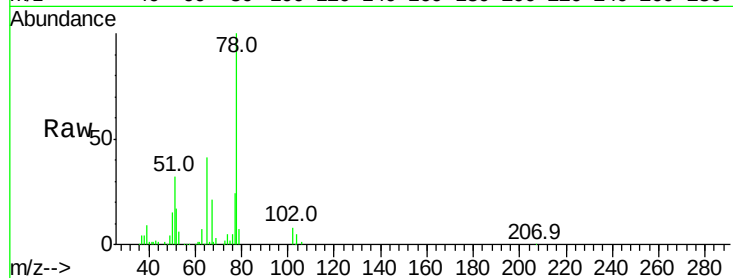




#33
 1,2-Dichloroethane-d4
 Concen: 18.568 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

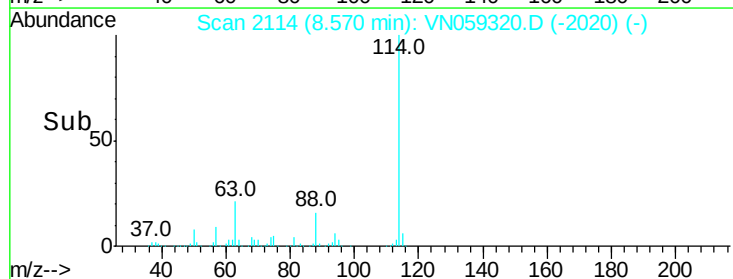
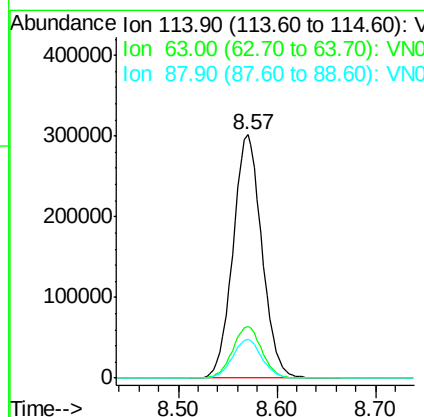
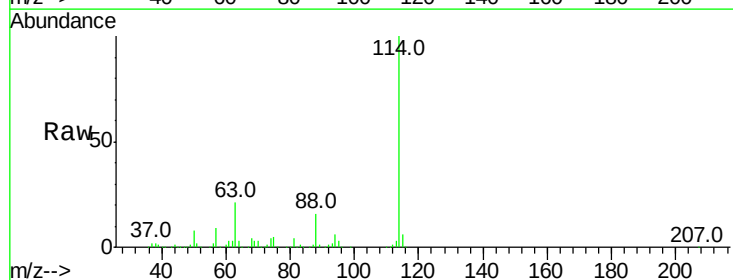
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

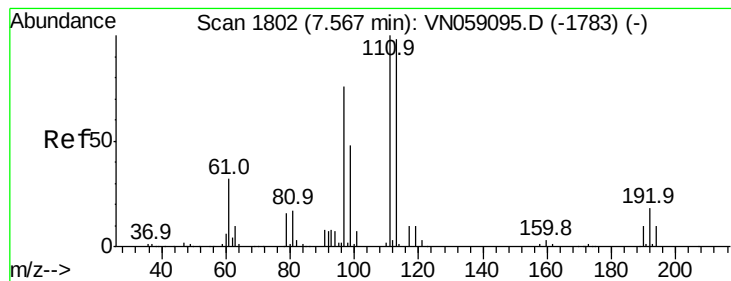
Tgt Ion: 65 Resp: 87771
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 114 Resp: 613642
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.4
 88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 18.480 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

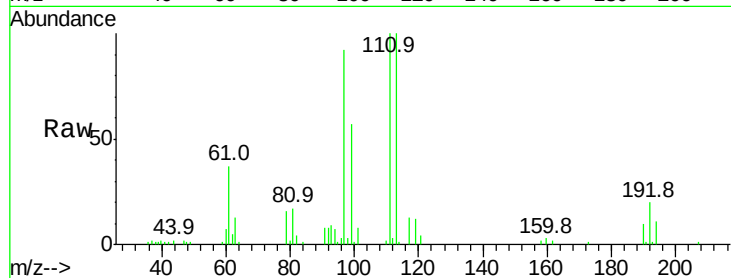
Tgt Ion:113 Resp: 67713

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

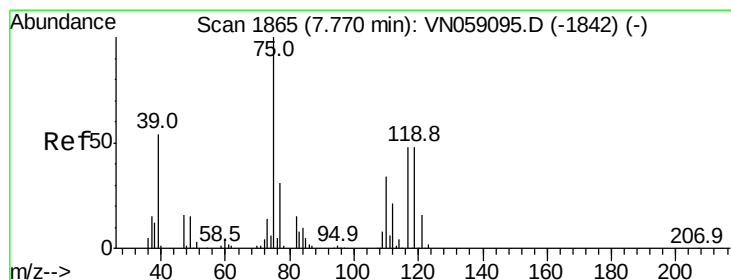
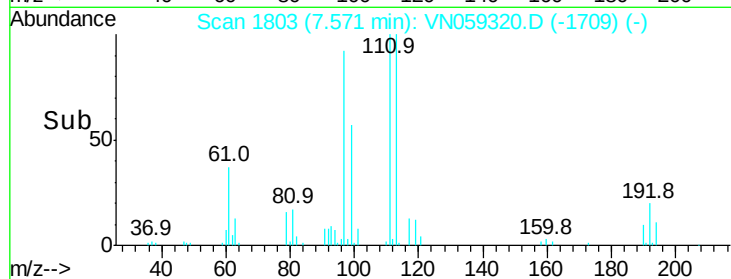
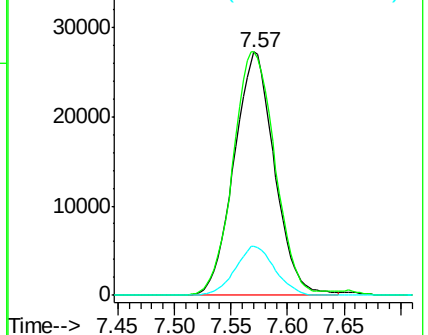
192 19.7 16.1 24.1



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: 20.734 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

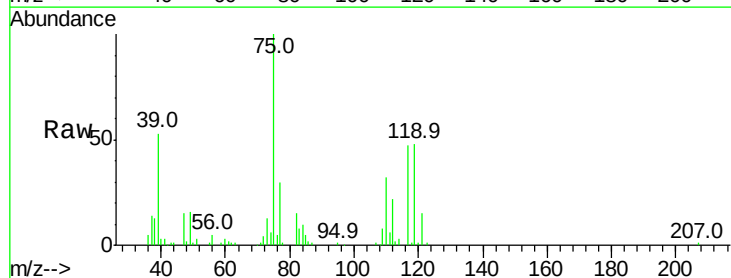
Tgt Ion: 75 Resp: 118924

Ion Ratio Lower Upper

75 100

110 33.9 17.1 51.2

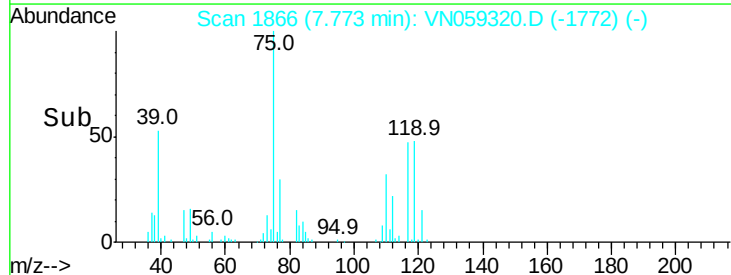
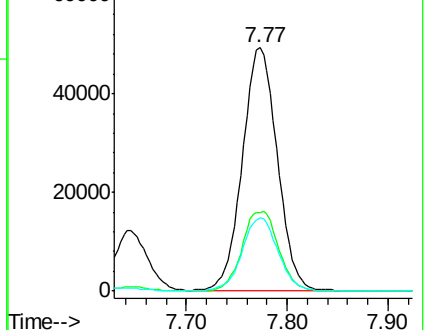
77 30.7 24.8 37.2

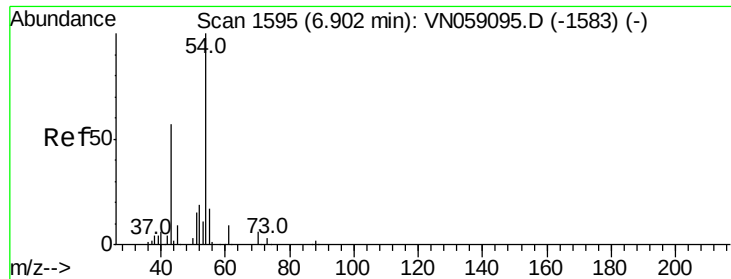


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

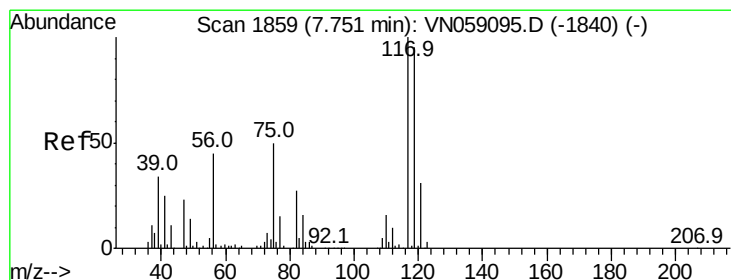
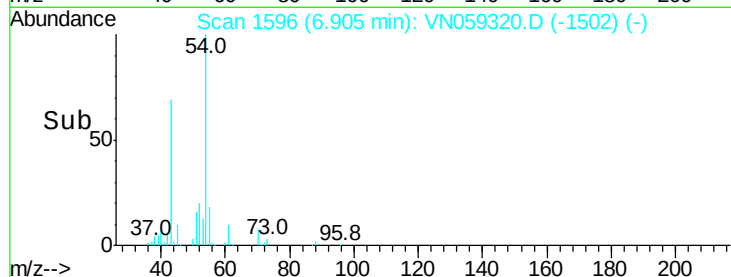
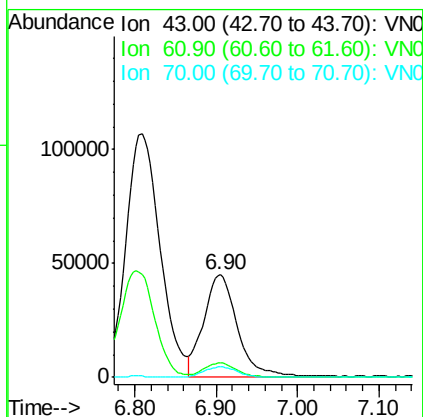
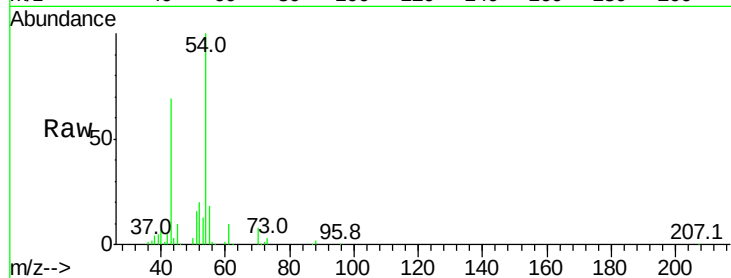




#37
Ethyl Acetate
Concen: 20.293 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

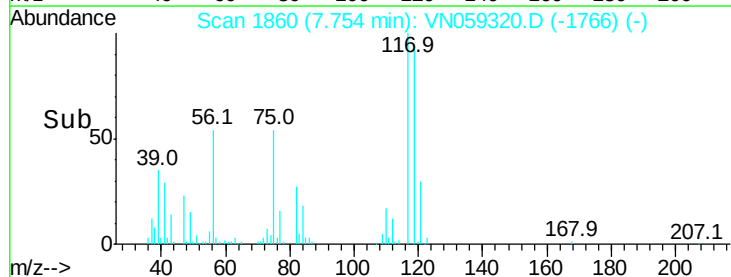
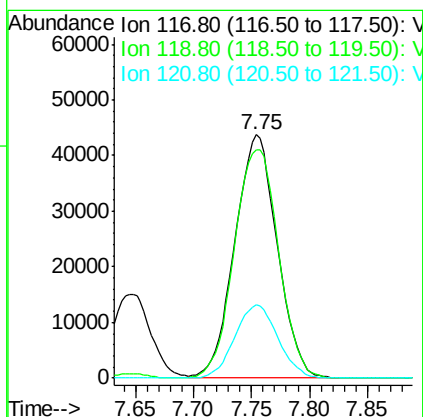
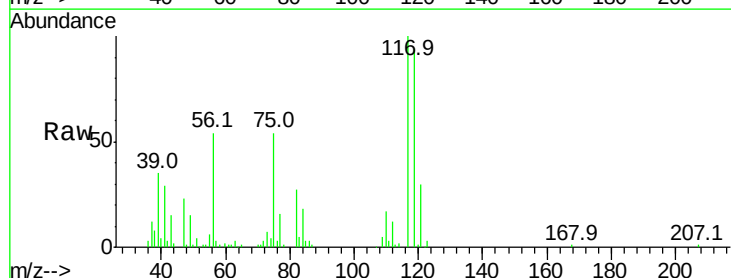
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

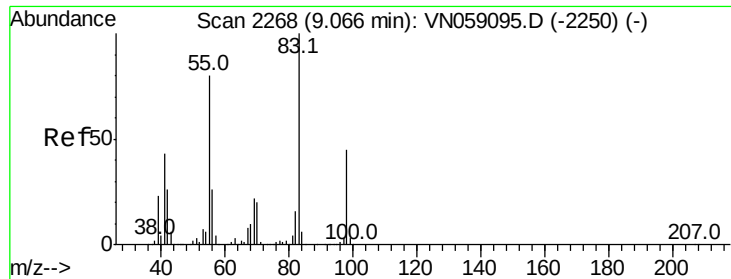
Tgt Ion: 43 Resp: 129489
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.478 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 117 Resp: 111197
Ion Ratio Lower Upper
117 100
119 94.0 75.6 113.4
121 30.0 24.6 36.8

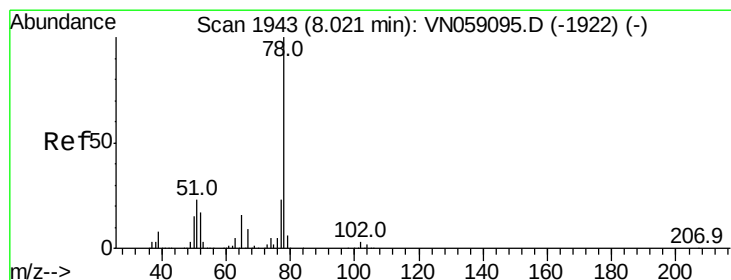
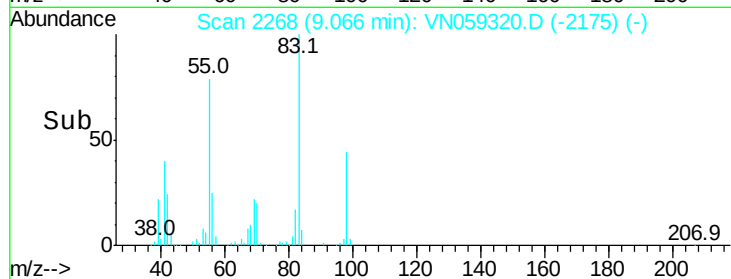
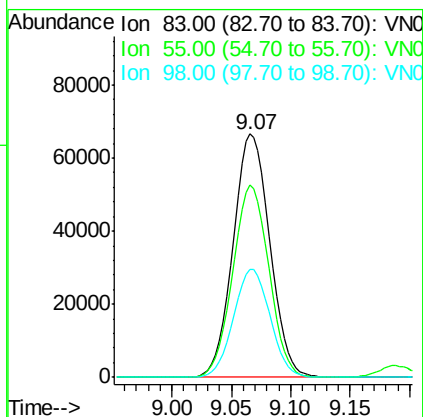
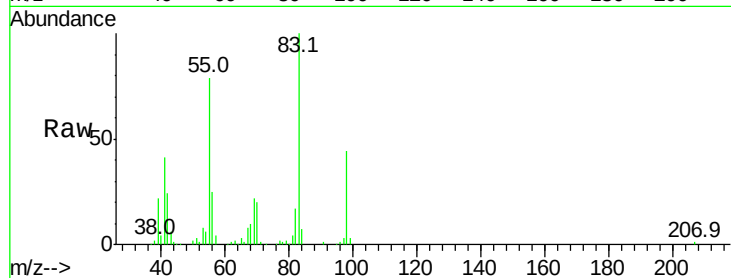




#39
Methylcyclohexane
Concen: 21.408 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

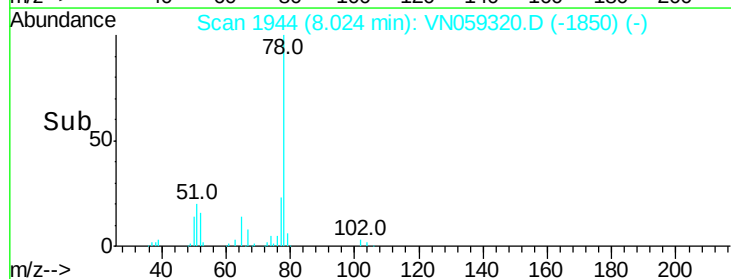
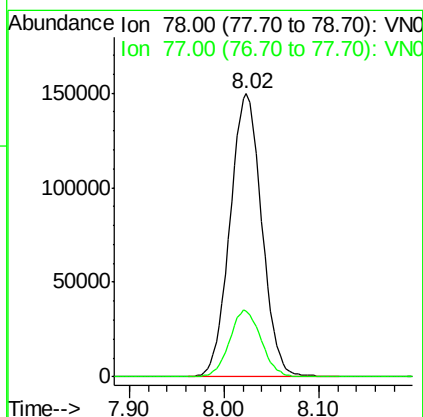
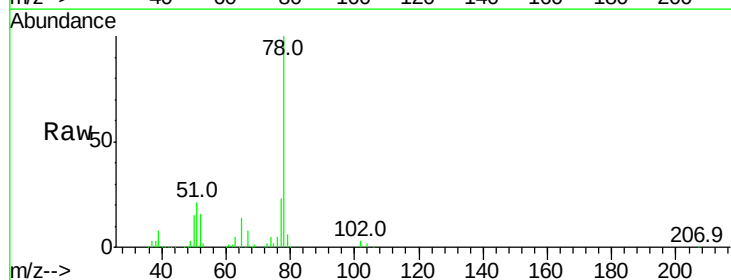
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

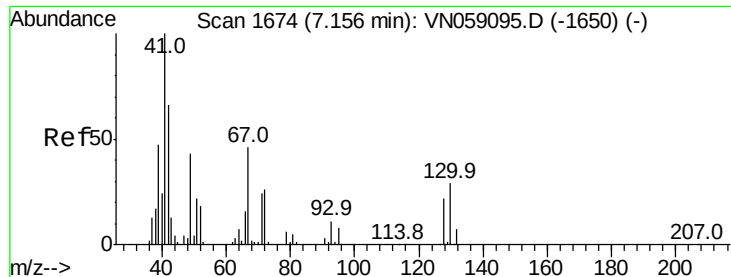
Tgt Ion: 83 Resp: 142510
Ion Ratio Lower Upper
83 100
55 79.1 63.9 95.9
98 44.2 35.6 53.4



#40
Benzene
Concen: 20.226 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 78 Resp: 349357
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

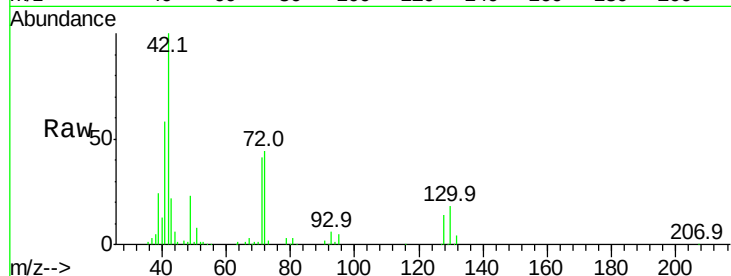




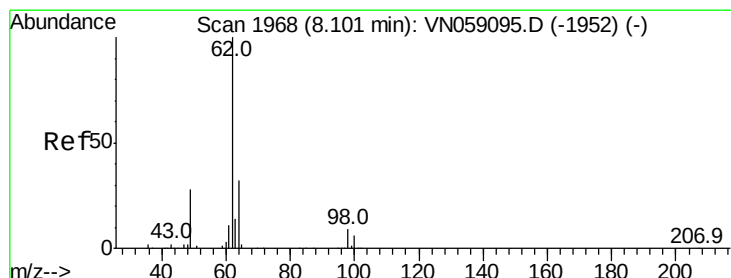
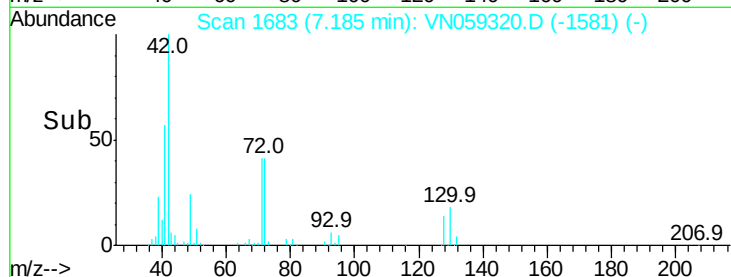
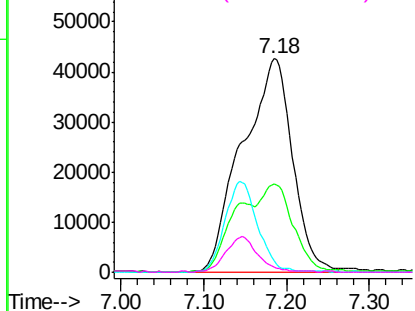
#41
Methacrylonitrile
Concen: 64.745 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	179646
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

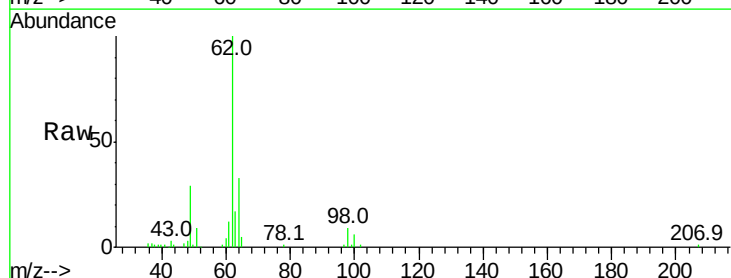


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

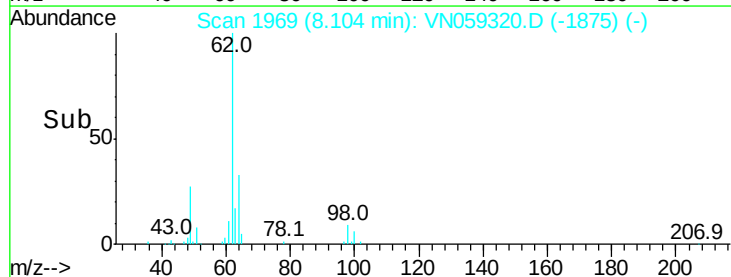
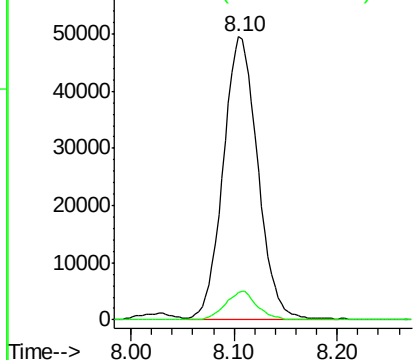


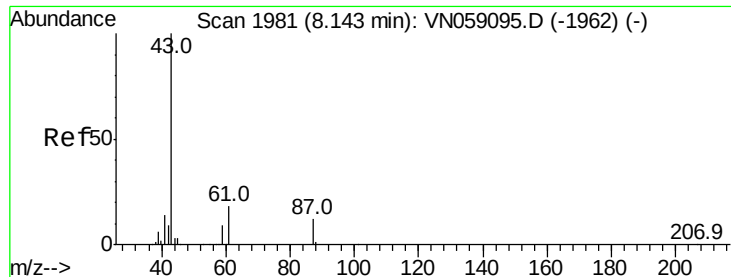
#42
1,2-Dichloroethane
Concen: 19.412 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion:	62	Resp:	114997
Ion	Ratio	Lower	Upper
62	100		
98	9.2	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: 19.068 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

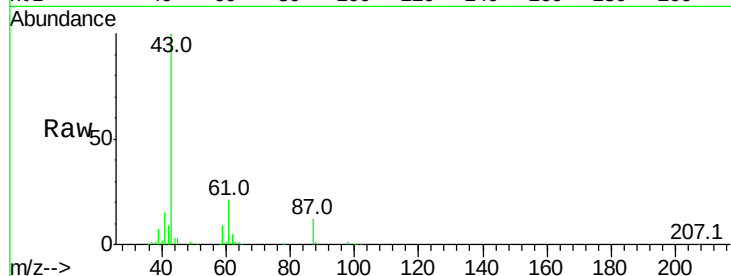
Tgt Ion: 43 Resp: 193973

Ion Ratio Lower Upper

43 100

61 27.3 21.0 31.6

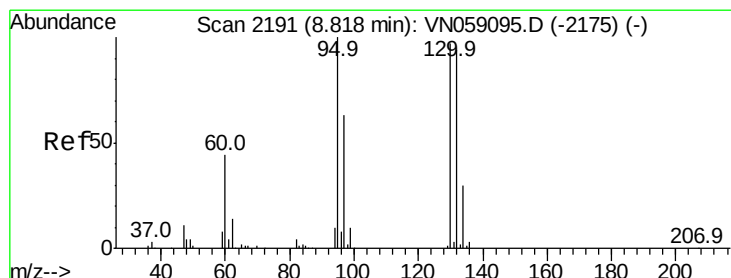
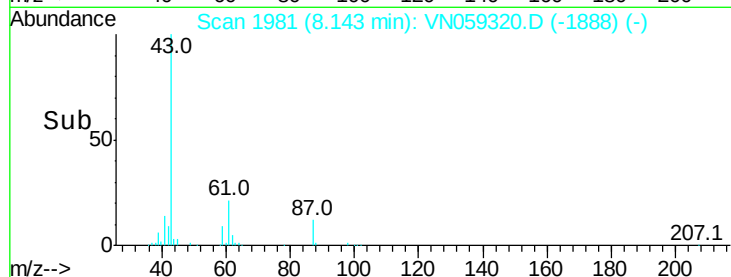
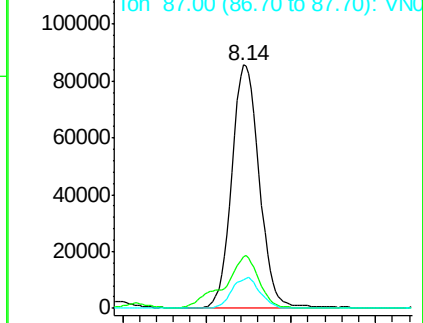
87 12.9 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059320.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059320.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059320.D (-1888) (-)



#44

Trichloroethene

Concen: 20.719 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059320.D

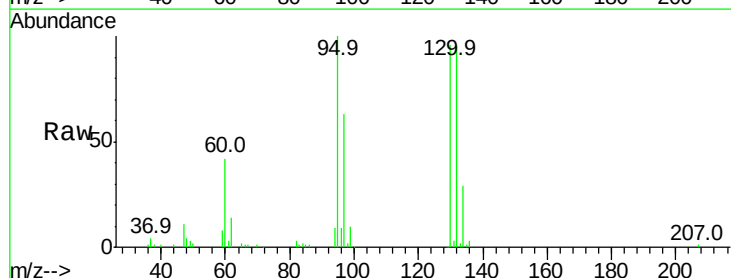
Acq: 20 Nov 2019 12:08

Tgt Ion: 130 Resp: 87970

Ion Ratio Lower Upper

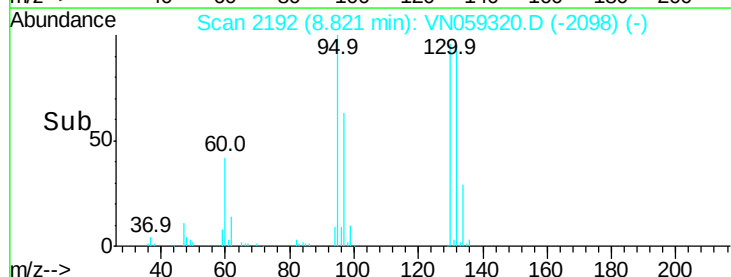
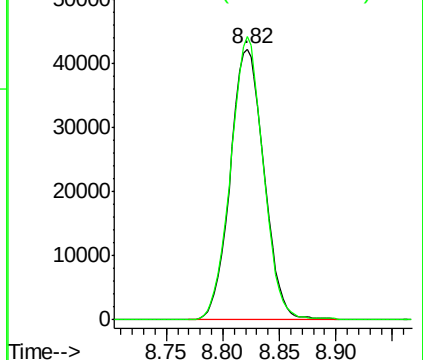
130 100

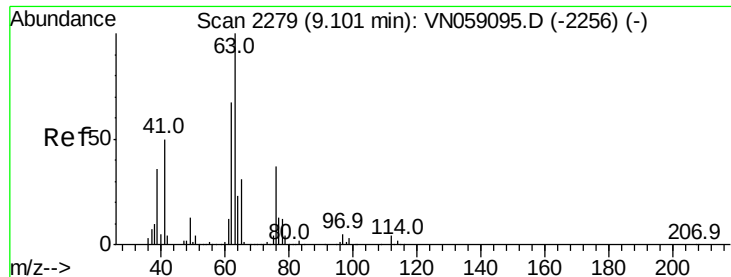
95 104.4 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059320.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059320.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 19.857 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

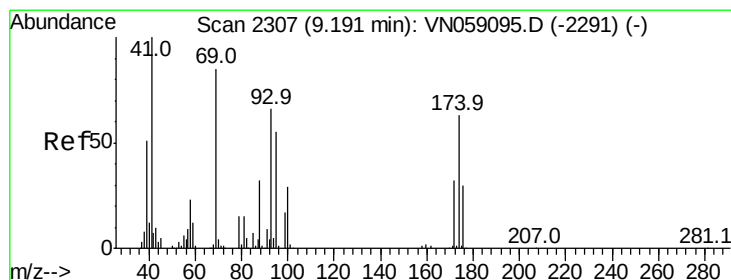
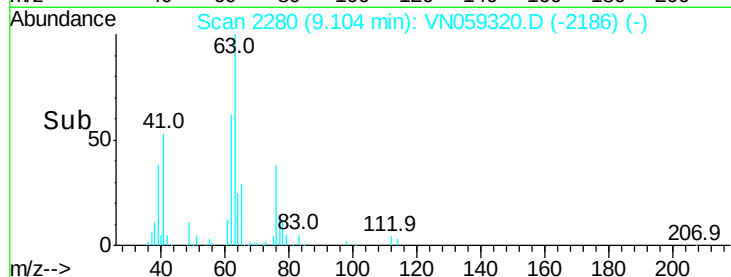
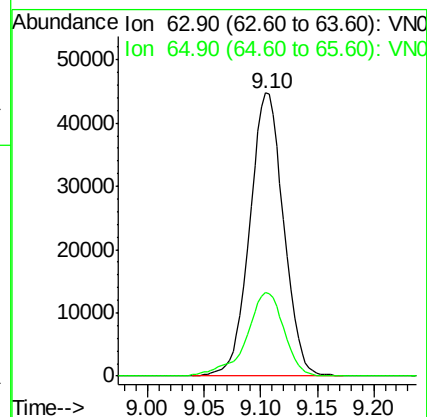
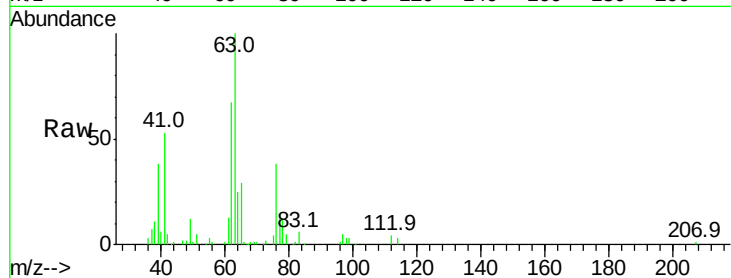
VSTDIC020

Tgt Ion: 63 Resp: 93159

Ion Ratio Lower Upper

63 100

65 29.4 24.6 37.0



#46

Dibromomethane

Concen: 19.726 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

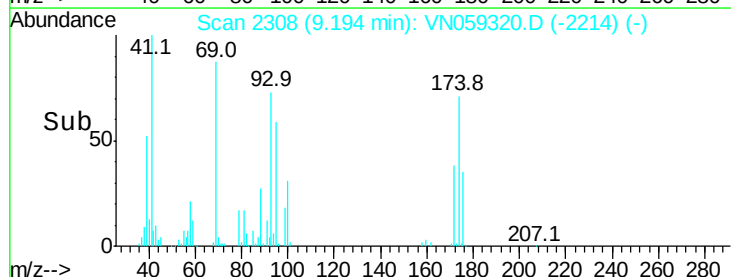
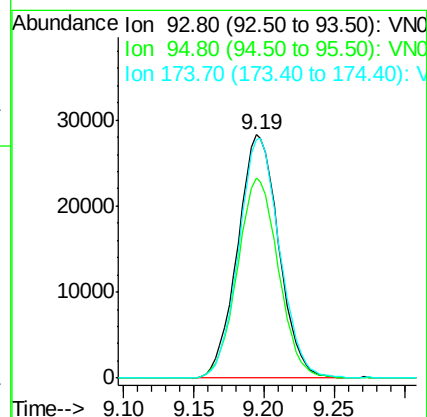
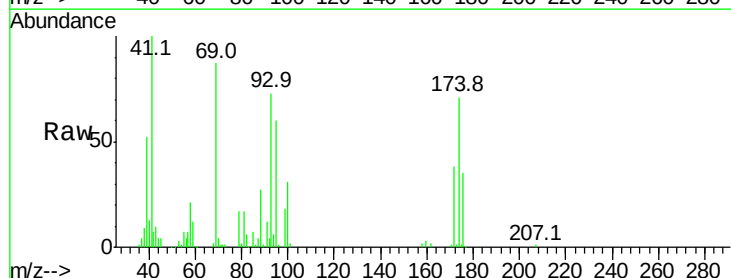
Tgt Ion: 93 Resp: 57670

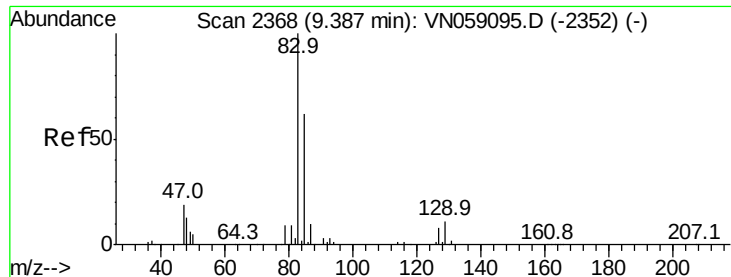
Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

174 98.3 78.2 117.2

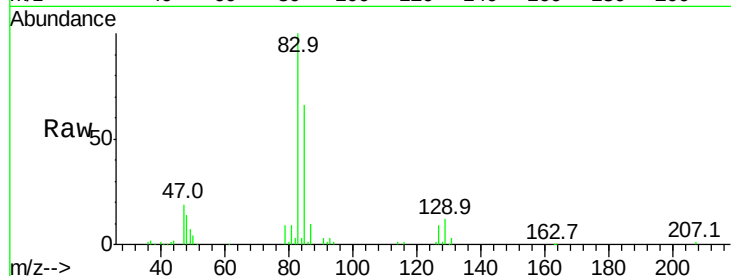




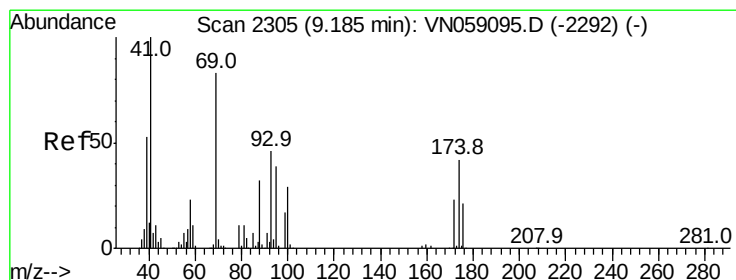
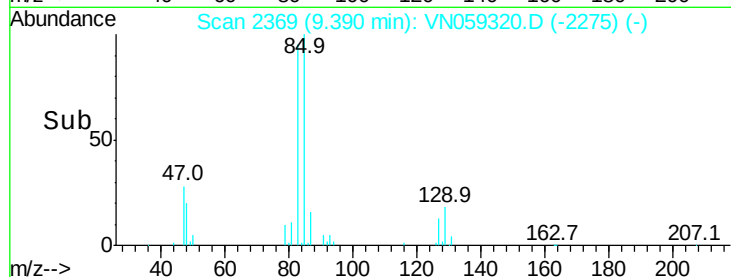
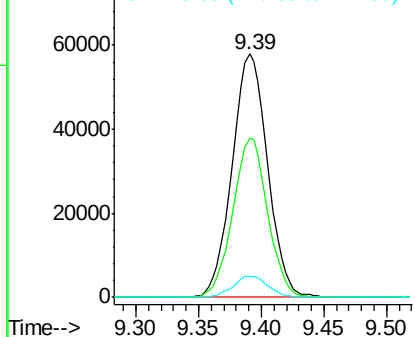
#47
 Bromodichloromethane
 Concen: 19.520 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 83 Resp: 113953
 Ion Ratio Lower Upper
 83 100
 85 65.6 49.7 74.5
 127 8.8 6.4 9.6

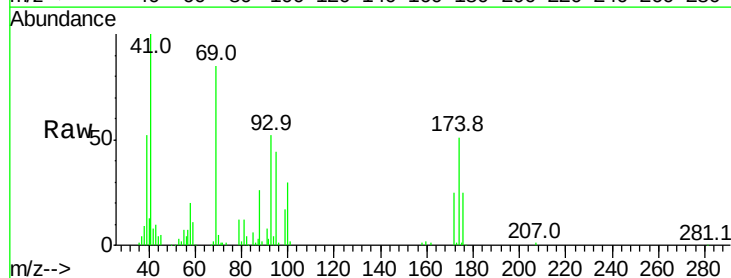


Abundance Ion 82.90 (82.60 to 83.60): VN059320.D (-2275) (-)
 Ion 84.90 (84.60 to 85.60): VN059320.D (-2275) (-)
 Ion 126.80 (126.50 to 127.50): VN059320.D (-2275) (-)

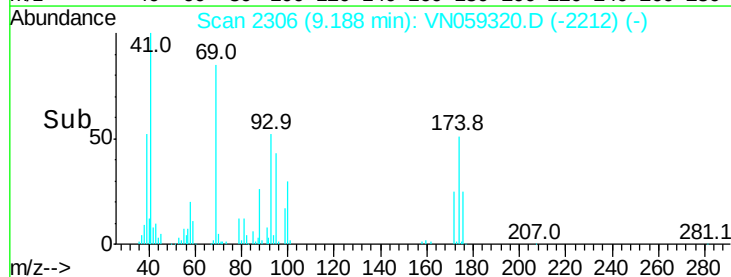
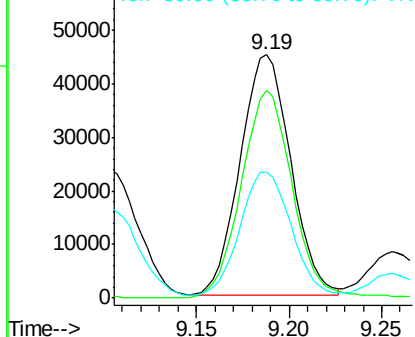


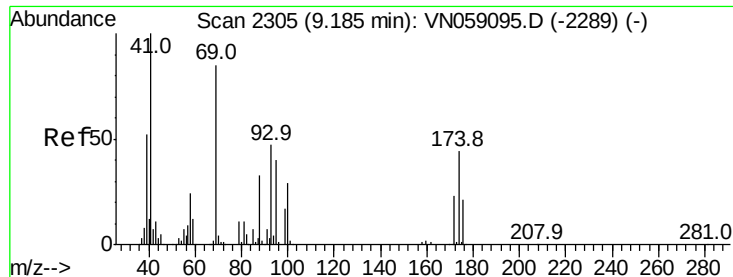
#48
 Methyl methacrylate
 Concen: 18.697 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 41 Resp: 85074
 Ion Ratio Lower Upper
 41 100
 69 87.7 67.3 100.9
 39 54.4 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VN059320.D (-2212) (-)
 Ion 69.00 (68.70 to 69.70): VN059320.D (-2212) (-)
 Ion 39.00 (38.70 to 39.70): VN059320.D (-2212) (-)

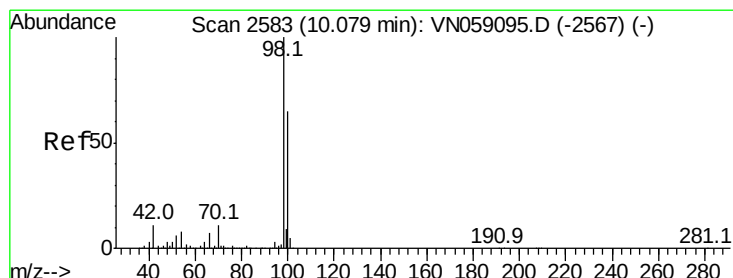
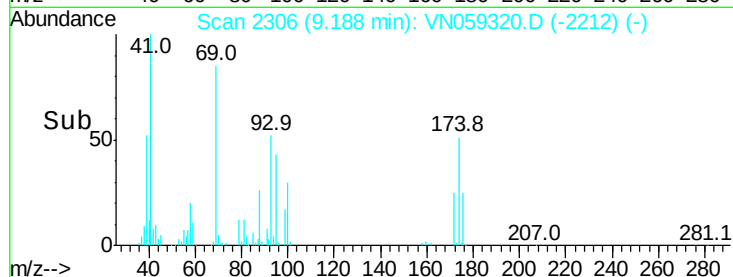
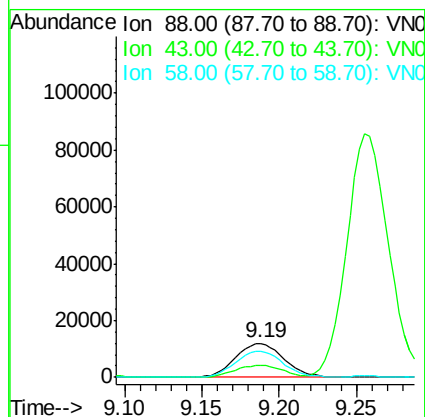
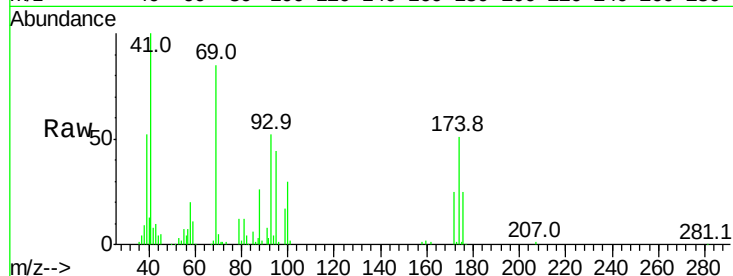




#49
 1,4-Dioxane
 Concen: 321.972 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

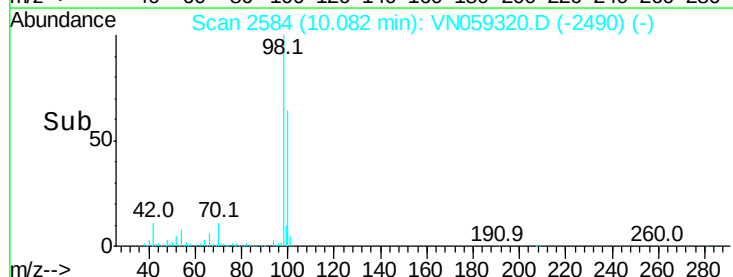
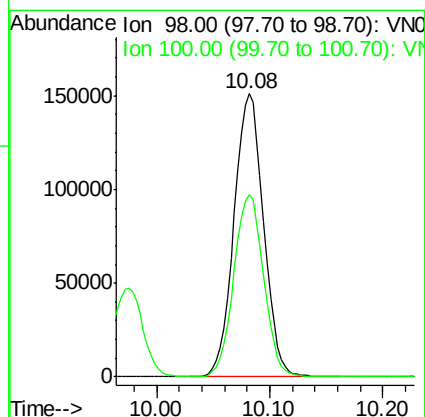
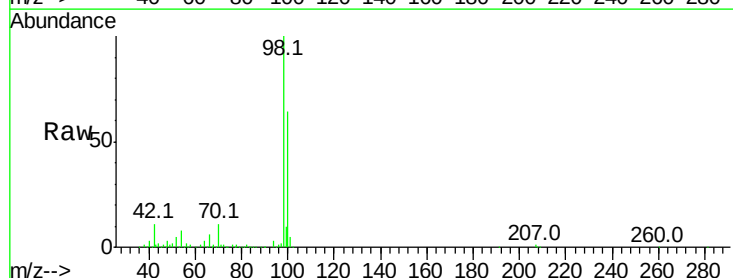
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

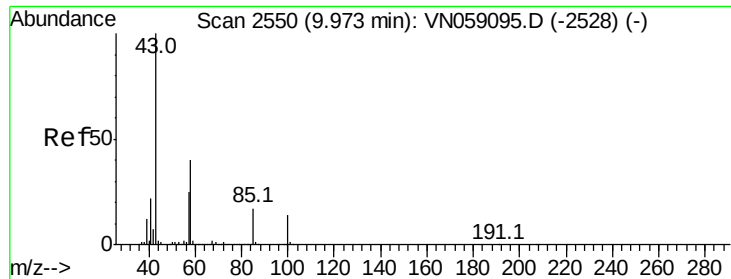
Tgt Ion: 88 Resp: 26036
 Ion Ratio Lower Upper
 88 100
 43 35.4 26.3 39.5
 58 75.8 60.6 90.8



#50
 Toluene-d8
 Concen: 19.039 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 98 Resp: 274780
 Ion Ratio Lower Upper
 98 100
 100 64.6 52.2 78.2

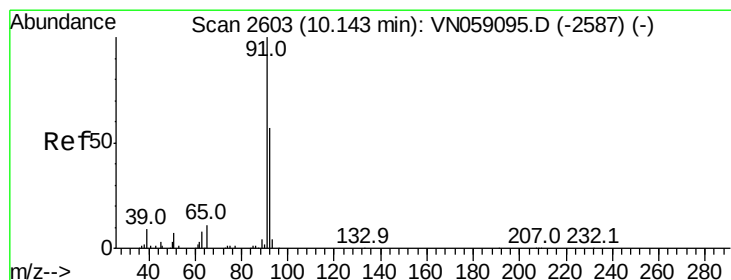
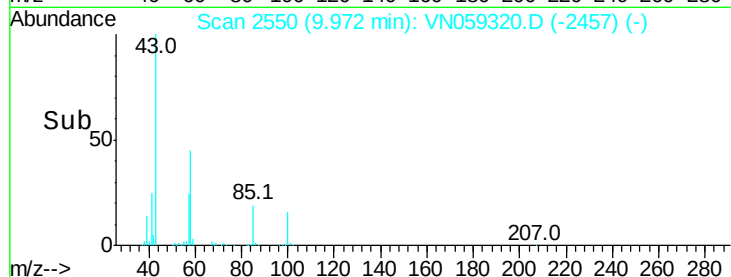
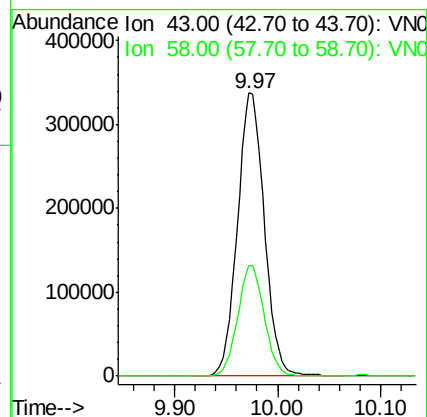
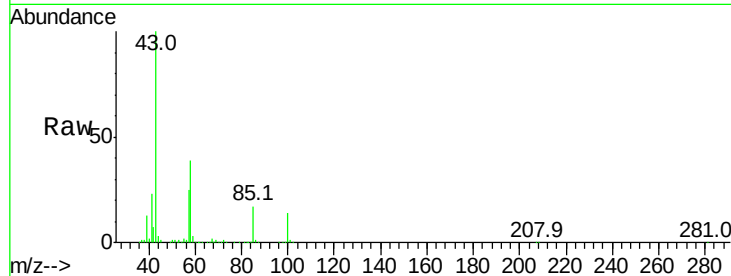




#51
 4-Methyl-2-Pentanone
 Concen: 106.663 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

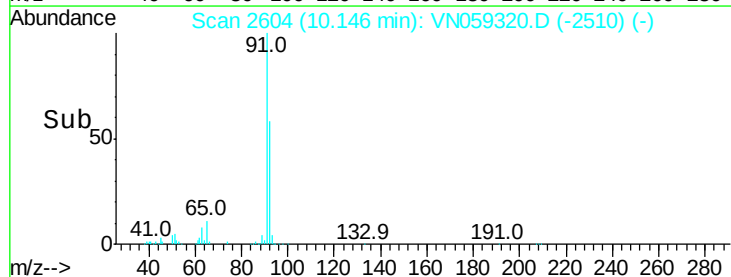
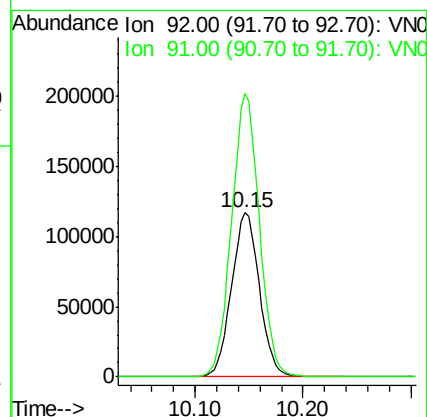
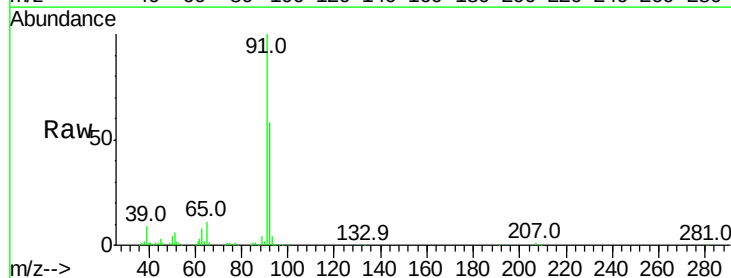
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

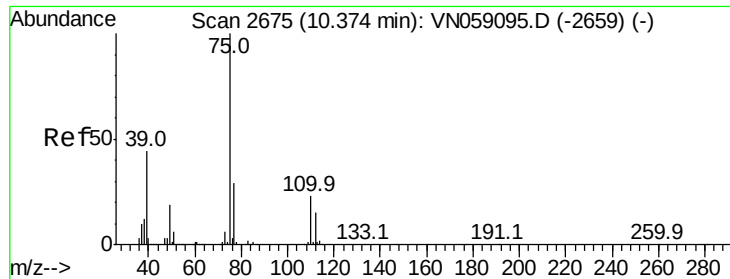
Tgt Ion: 43 Resp: 613948
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3



#52
 Toluene
 Concen: 20.362 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 92 Resp: 210801
 Ion Ratio Lower Upper
 92 100
 91 172.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.077 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

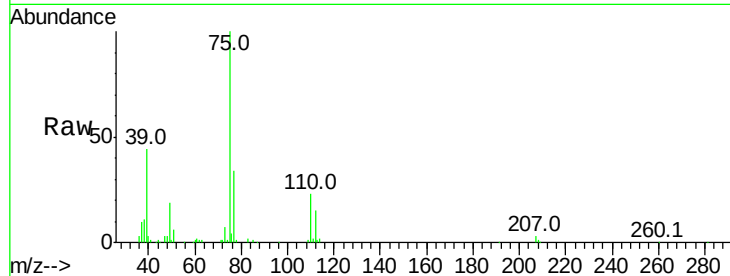
VSTDIC020

Tgt Ion: 75 Resp: 128663

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

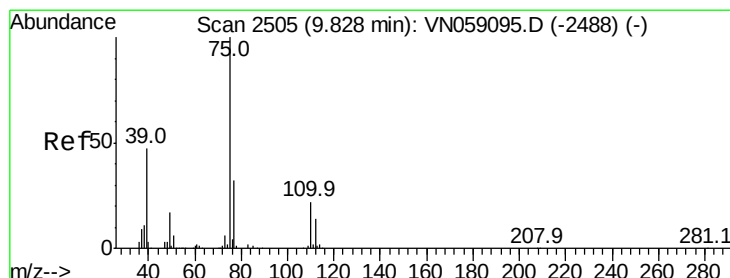
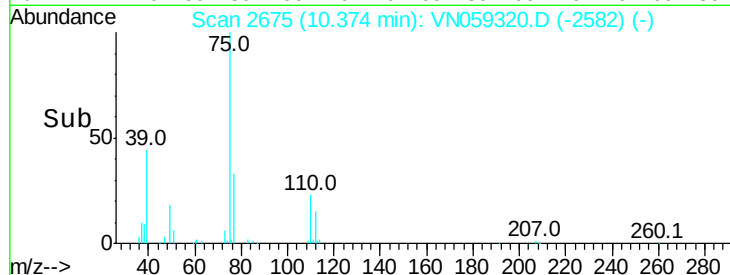
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.528 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

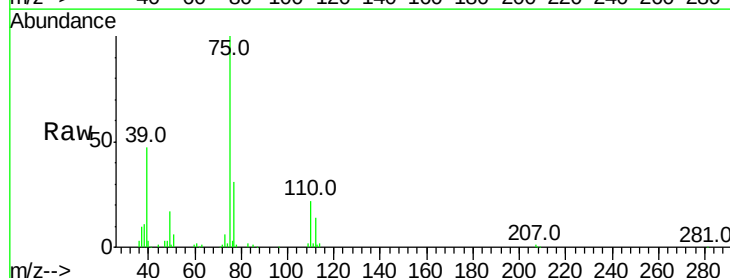
Tgt Ion: 75 Resp: 141673

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 47.0 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

100000

80000

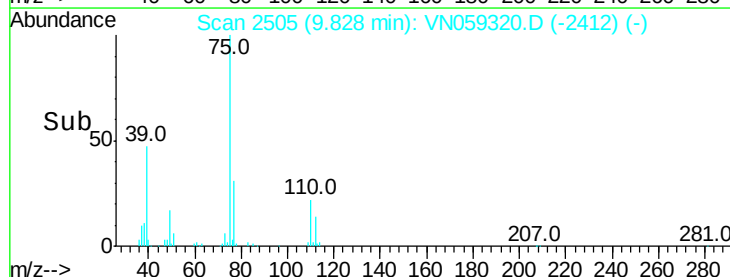
60000

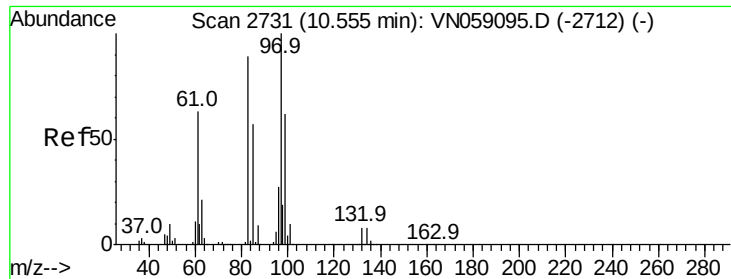
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.745 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 82725

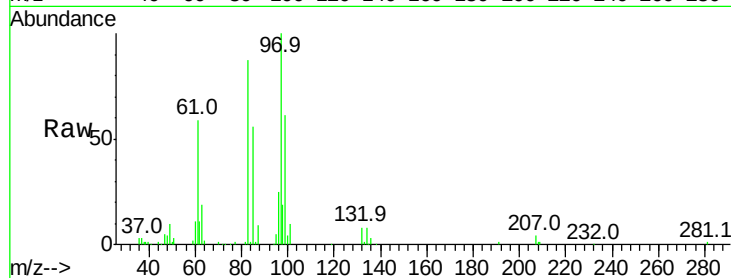
Ion Ratio Lower Upper

97 100

83 86.9 71.0 106.4

85 55.7 45.8 68.8

99 60.9 49.4 74.0

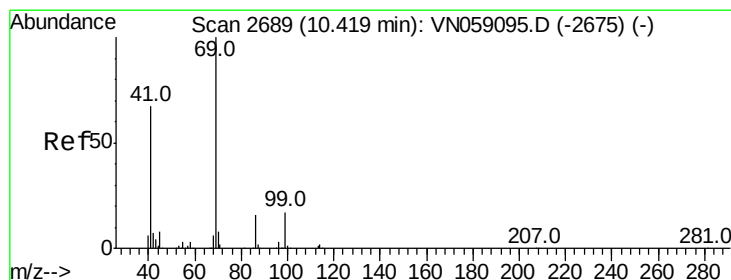
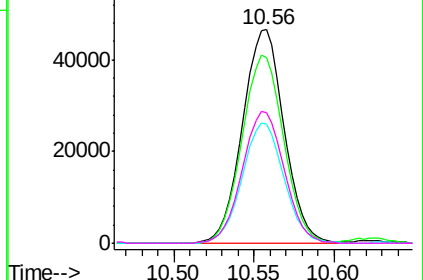
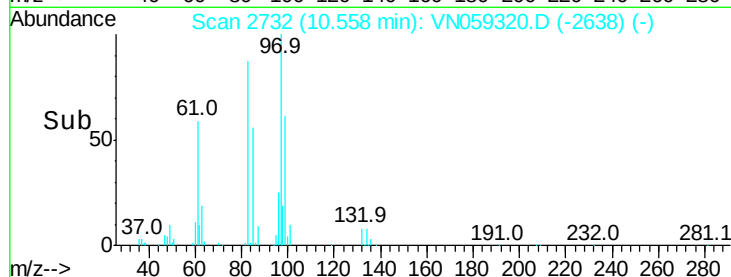


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.632 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

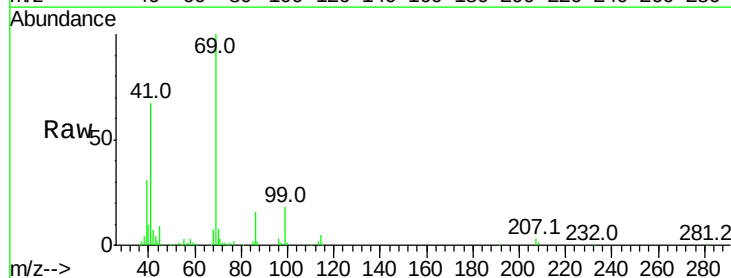
Tgt Ion: 69 Resp: 122092

Ion Ratio Lower Upper

69 100

41 66.4 53.6 80.4

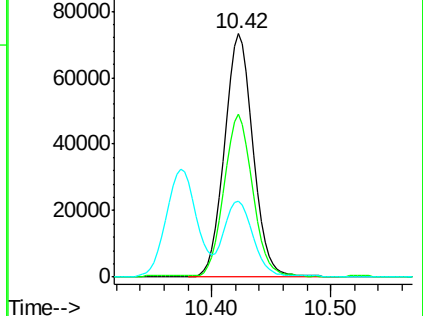
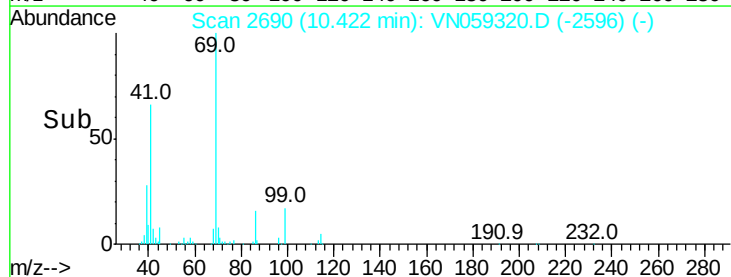
39 31.5 26.2 39.4

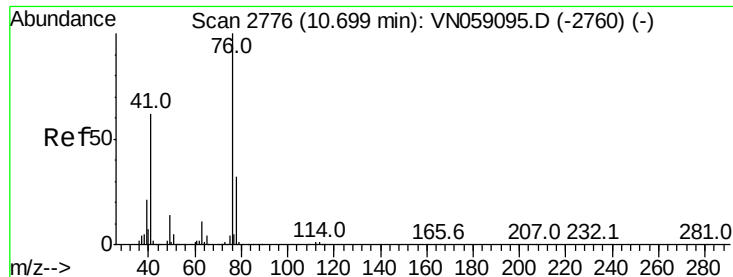


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.802 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

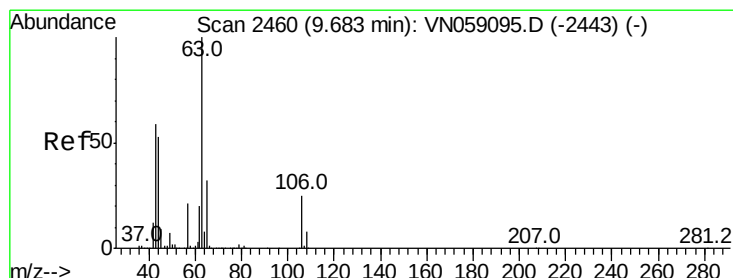
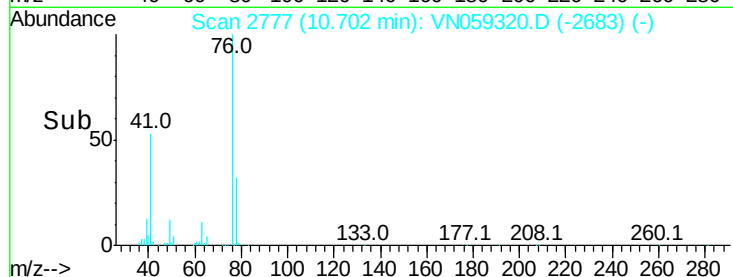
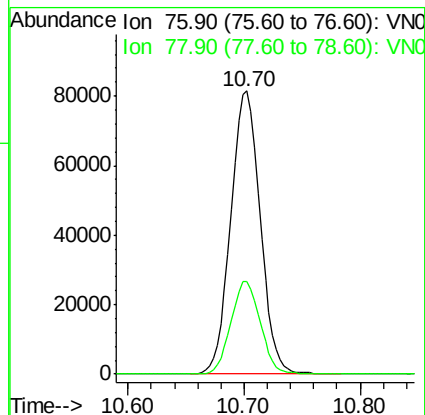
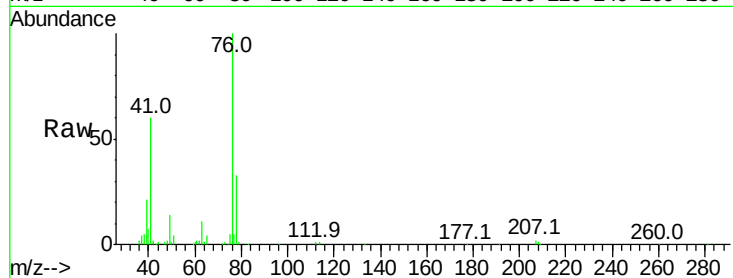
VSTDIC020

Tgt Ion: 76 Resp: 142795

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.182 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059320.D

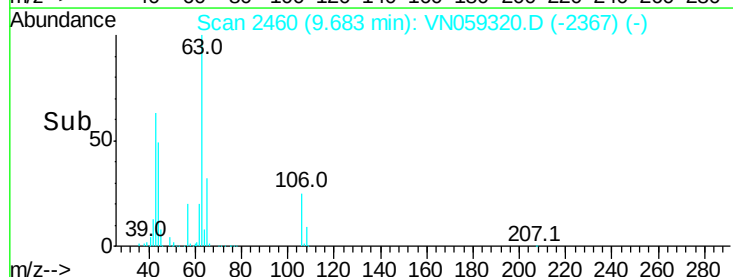
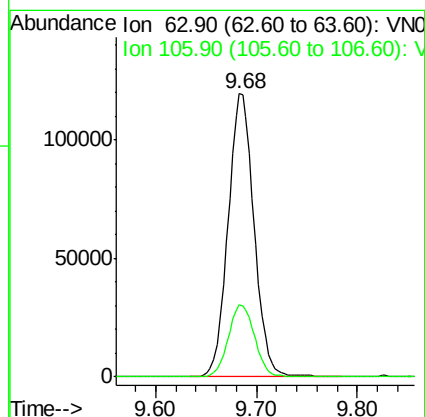
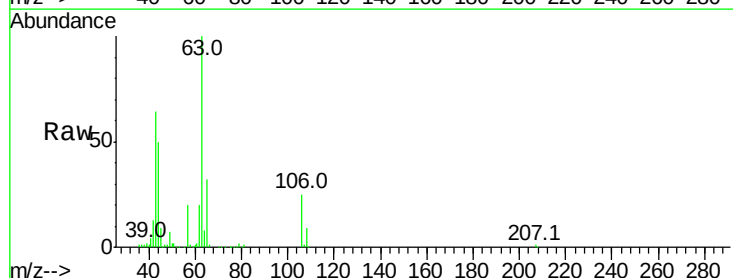
Acq: 20 Nov 2019 12:08

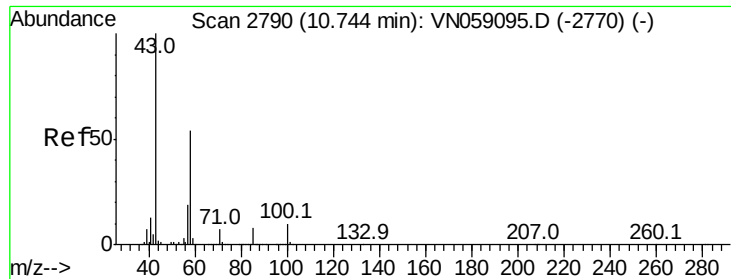
Tgt Ion: 63 Resp: 214943

Ion Ratio Lower Upper

63 100

106 25.8 20.2 30.2

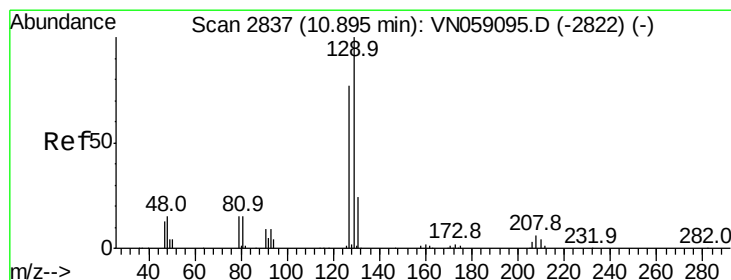
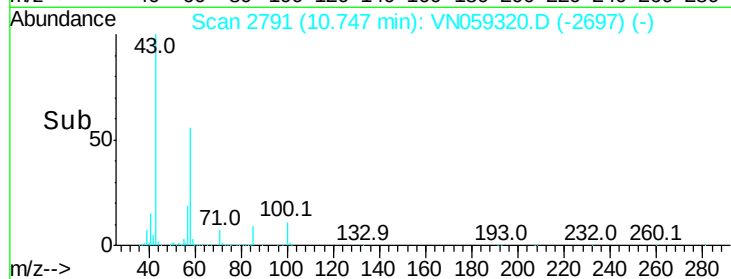
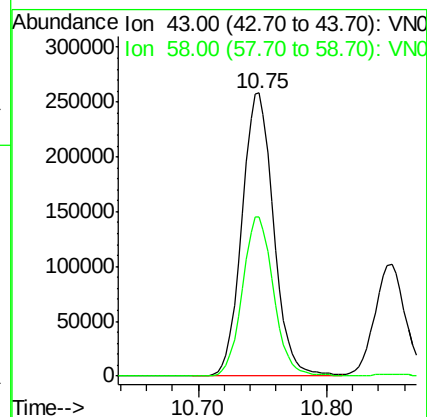
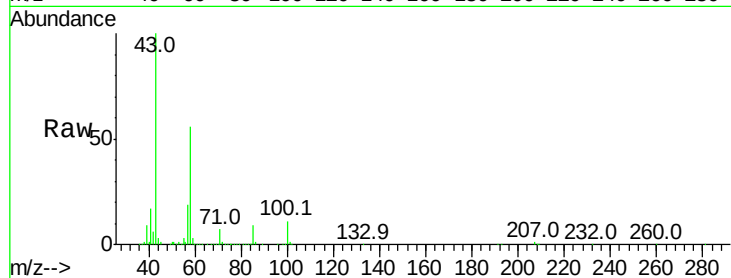




#59
2-Hexanone
Concen: 99.949 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

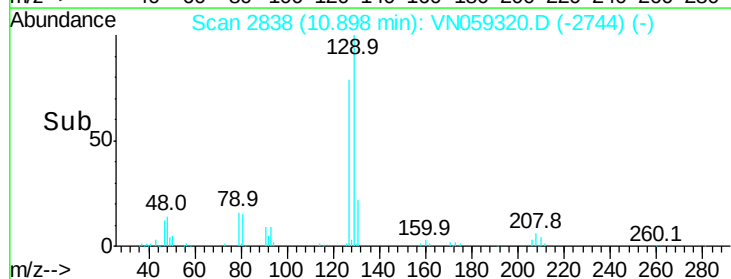
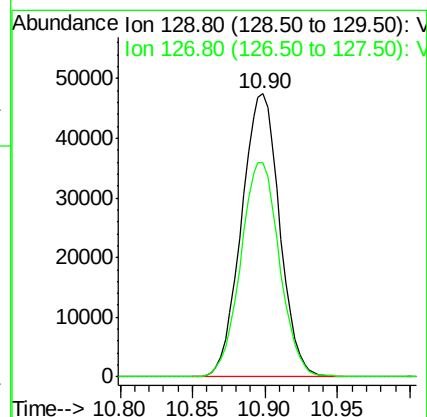
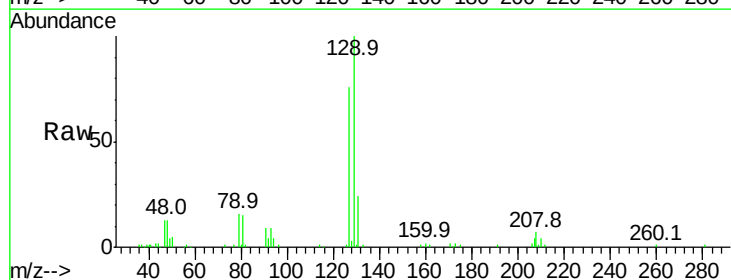
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

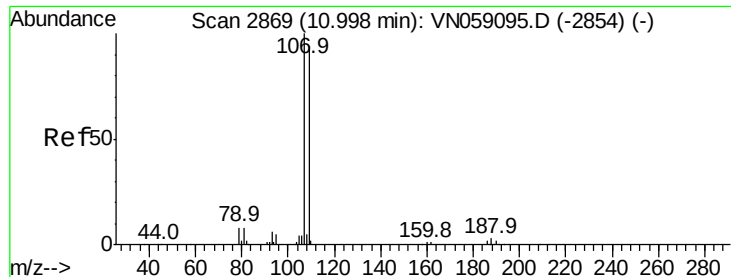
Tgt Ion: 43 Resp: 441574
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8



#60
Dibromochloromethane
Concen: 19.551 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion: 129 Resp: 86608
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.047 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

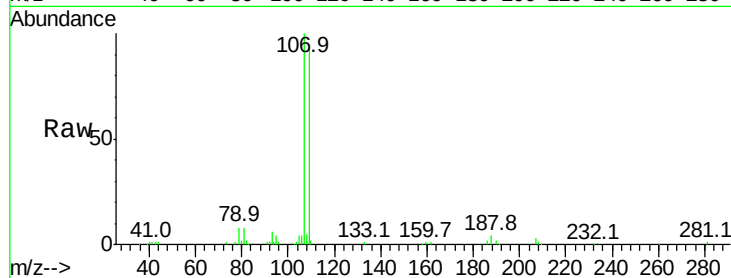
VSTDIC020

Tgt Ion: 107 Resp: 85028

Ion Ratio Lower Upper

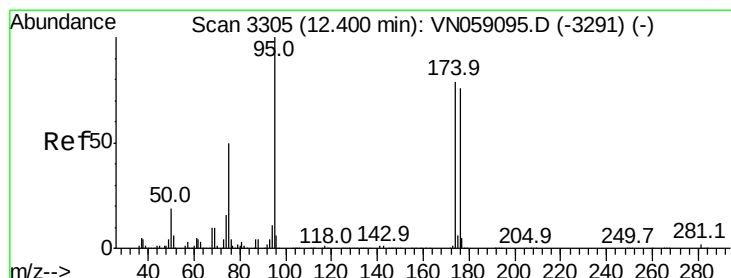
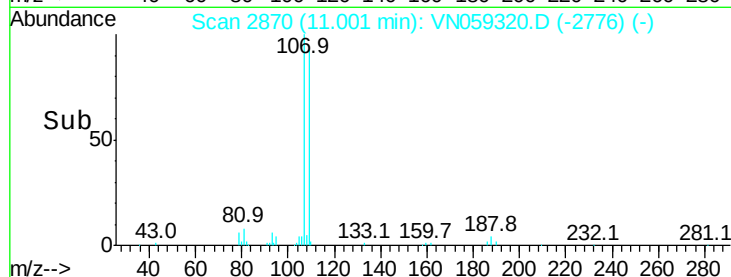
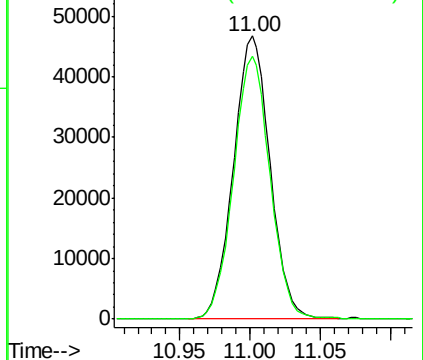
107 100

109 92.9 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.358 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

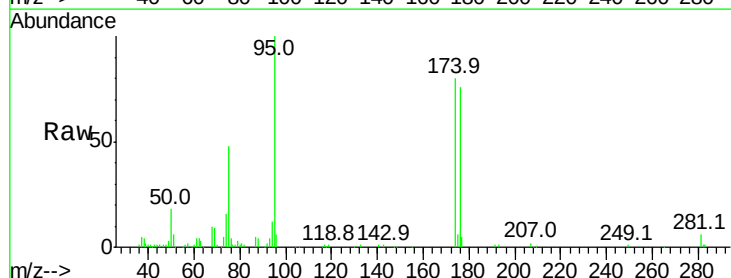
Tgt Ion: 95 Resp: 95528

Ion Ratio Lower Upper

95 100

174 78.4 0.0 158.2

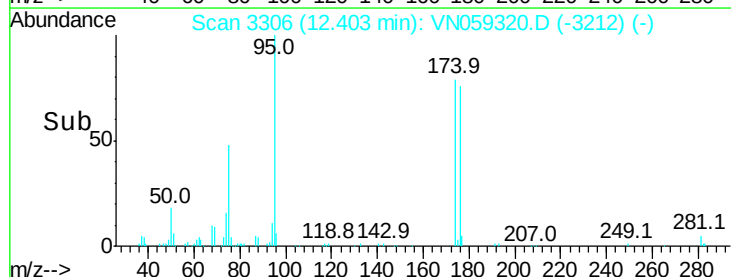
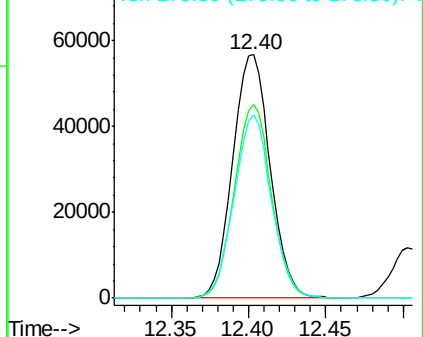
176 75.0 0.0 151.8

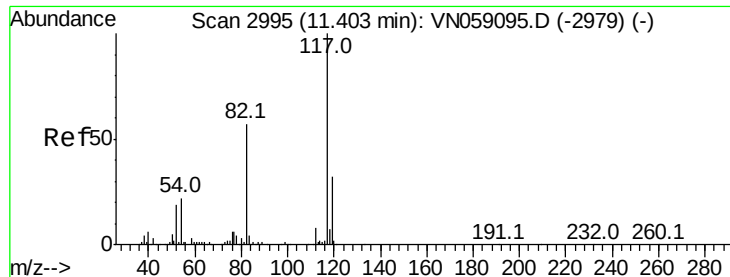


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

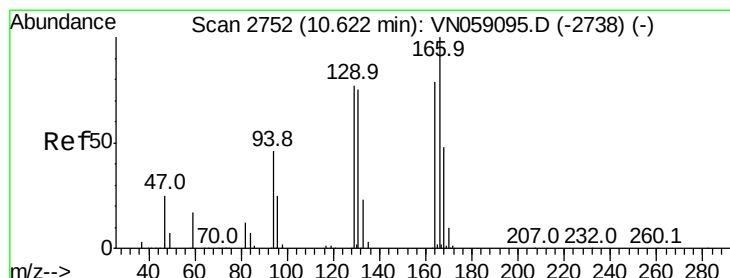
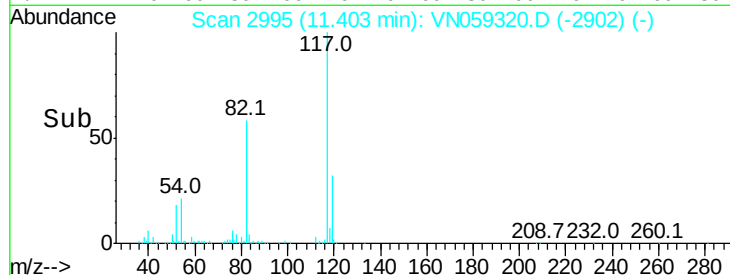
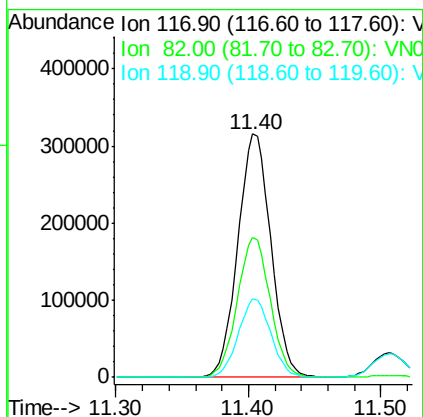
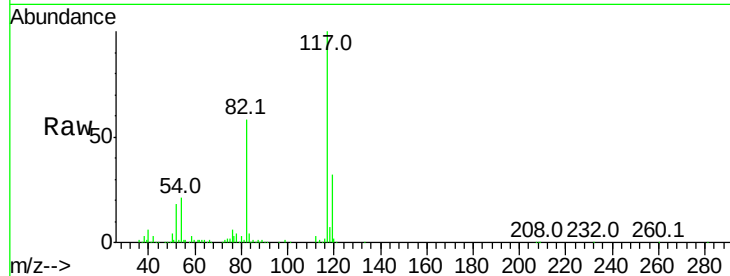




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

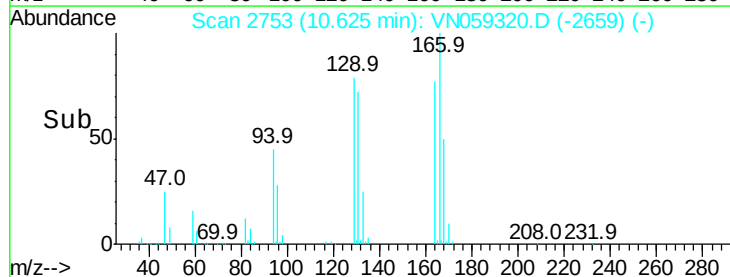
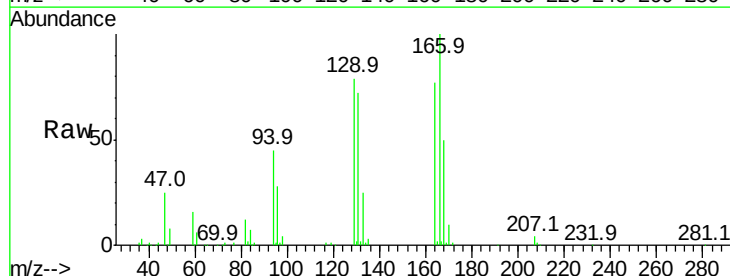
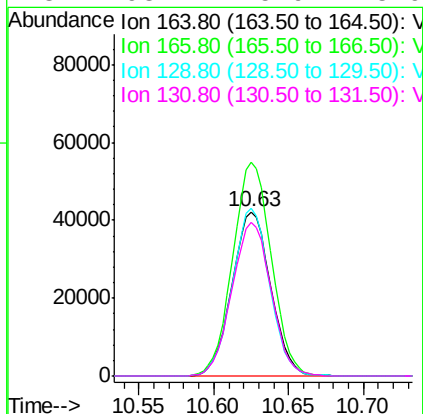
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

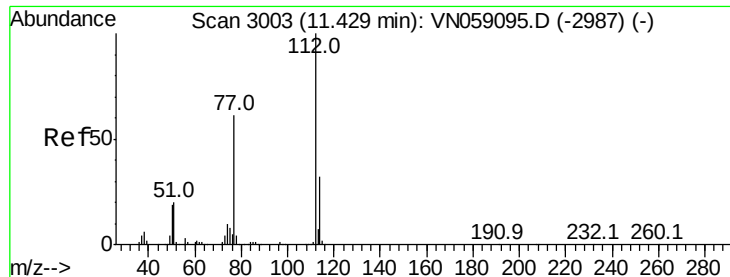
Tgt Ion:117 Resp: 546013
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.8
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 20.412 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059320.D
Acq: 20 Nov 2019 12:08

Tgt Ion:164 Resp: 75784
Ion Ratio Lower Upper
164 100
166 130.0 101.5 152.3
129 102.3 78.3 117.5
131 93.7 75.9 113.9





#65

Chlorobenzene

Concen: 20.537 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

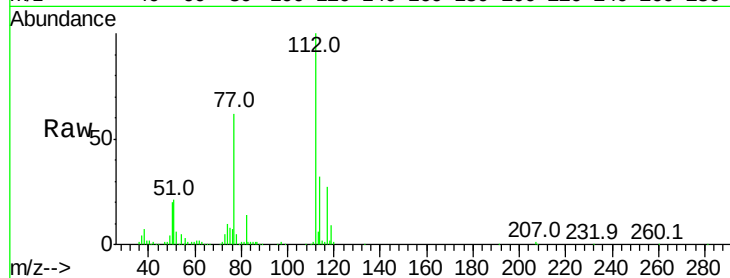
VSTDIC020

Tgt Ion:112 Resp: 218590

Ion Ratio Lower Upper

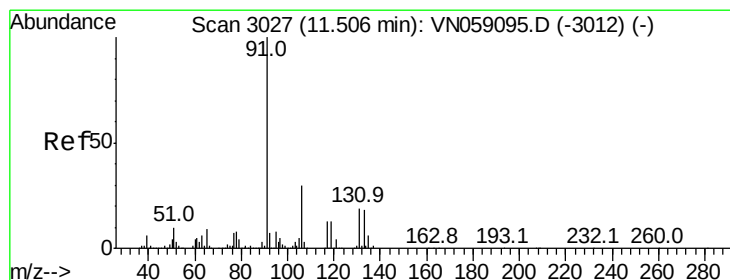
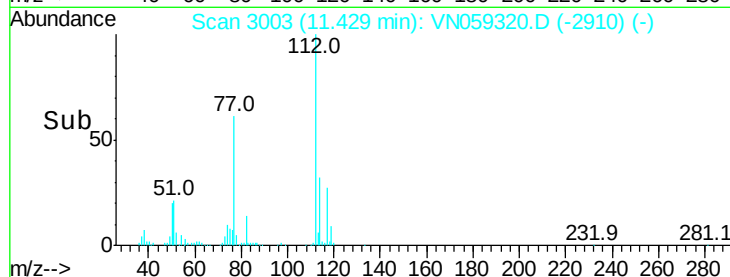
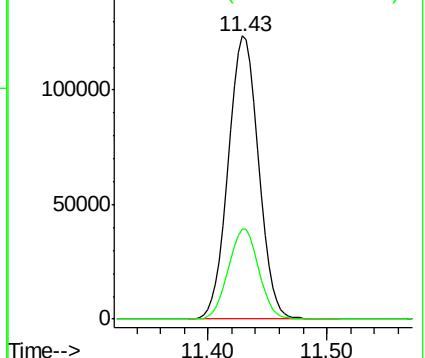
112 100

114 31.9 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.416 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

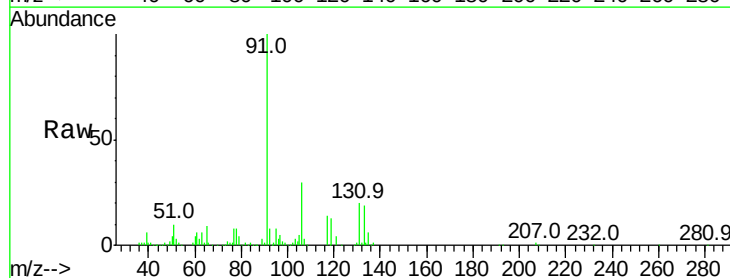
Tgt Ion:131 Resp: 81515

Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.3

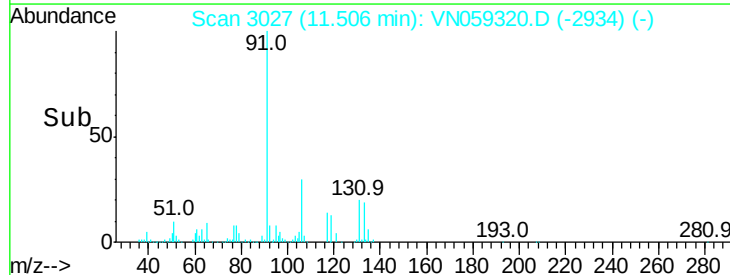
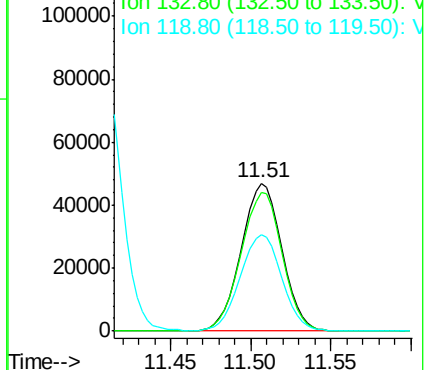
119 66.5 33.2 99.6

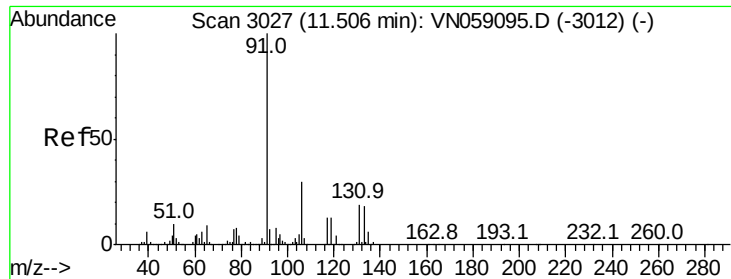


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.958 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

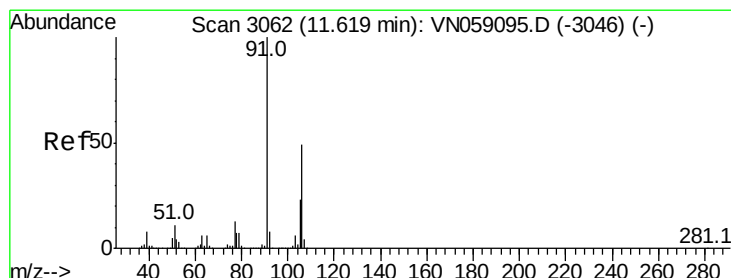
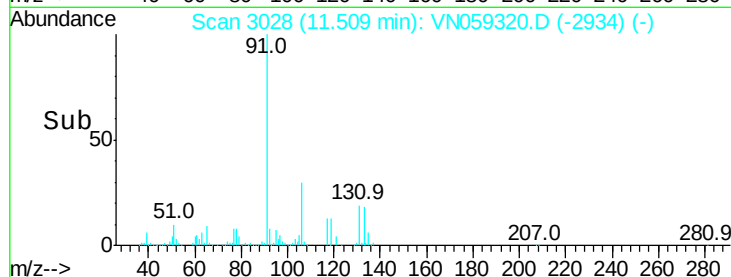
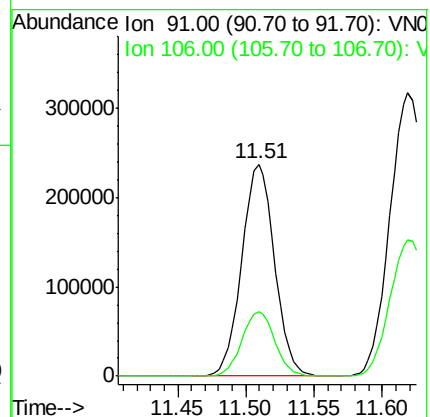
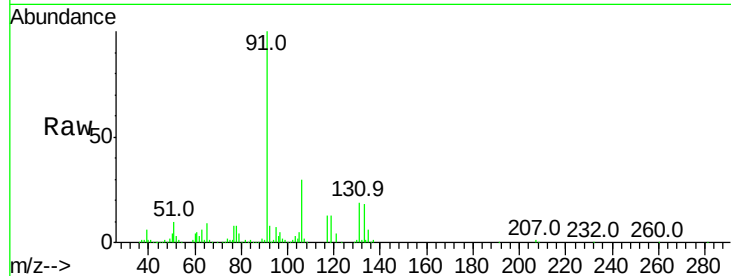
VSTDIC020

Tgt Ion: 91 Resp: 395793

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



#68

m/p-Xylenes

Concen: 41.428 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059320.D

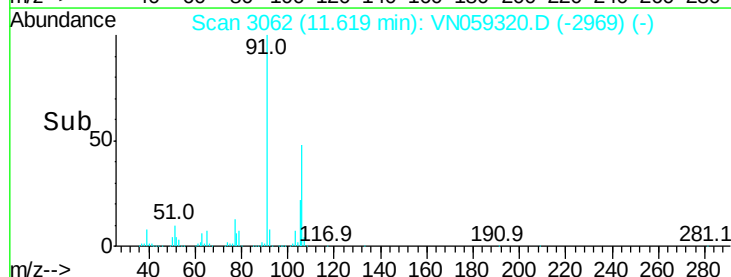
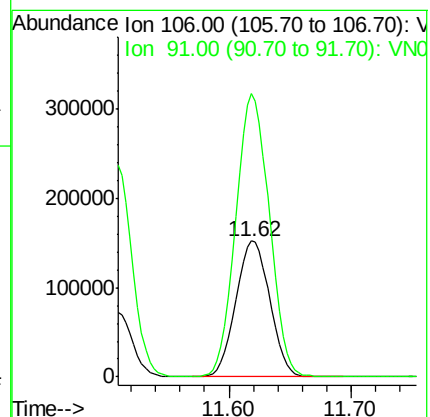
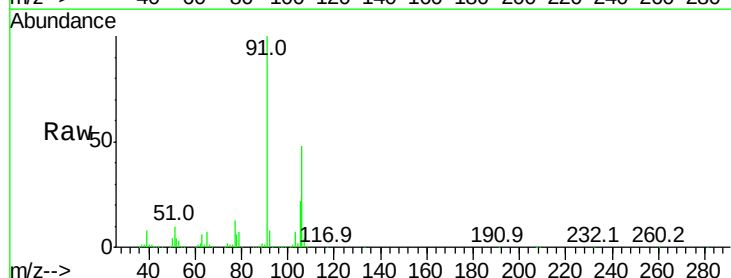
Acq: 20 Nov 2019 12:08

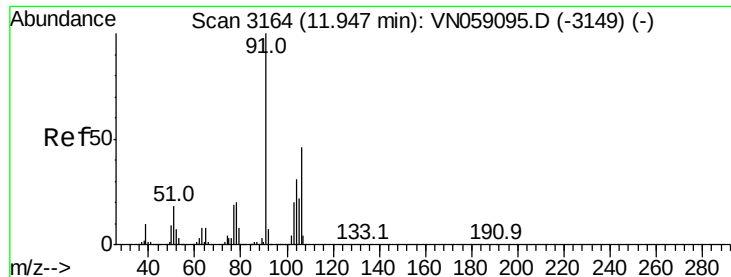
Tgt Ion: 106 Resp: 293060

Ion Ratio Lower Upper

106 100

91 206.2 164.7 247.1





#69

o-Xylene

Concen: 20.586 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

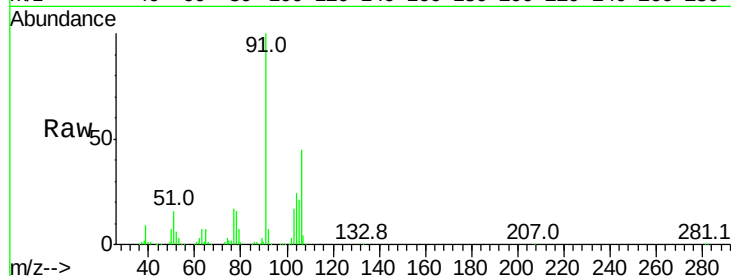
VSTDIC020

Tgt Ion:106 Resp: 140732

Ion Ratio Lower Upper

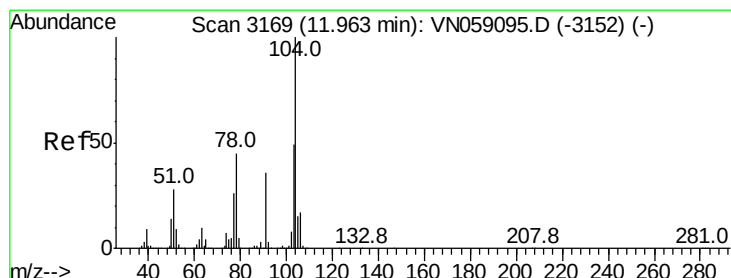
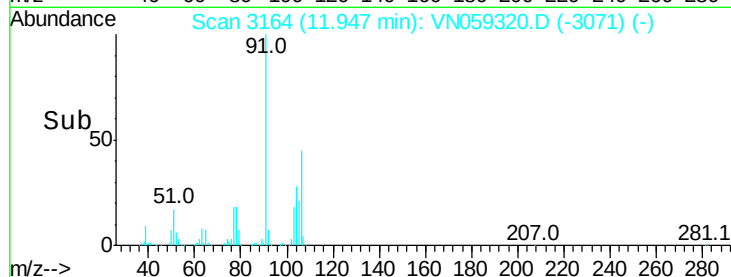
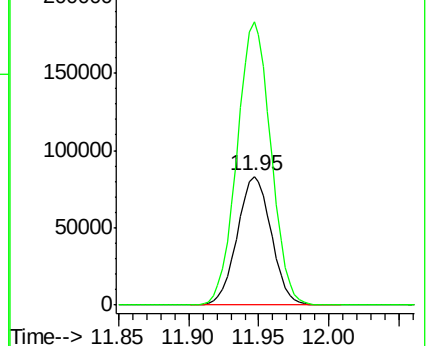
106 100

91 219.2 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 20.380 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

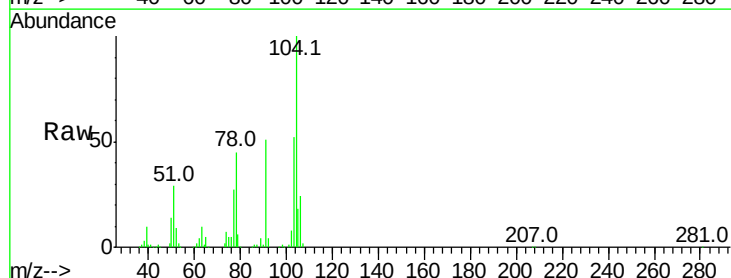
Tgt Ion:104 Resp: 219121

Ion Ratio Lower Upper

104 100

78 51.4 41.2 61.8

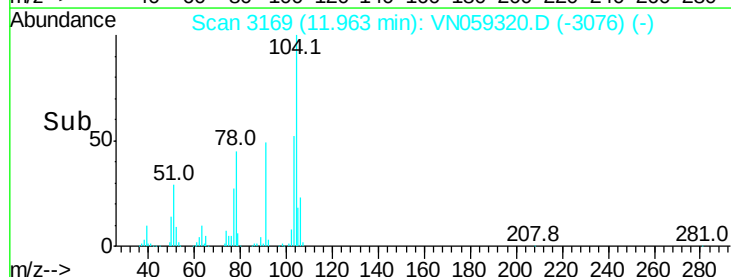
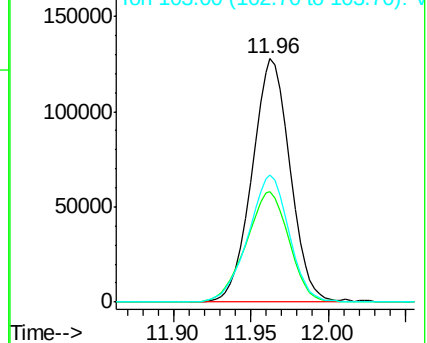
103 56.3 43.8 65.6

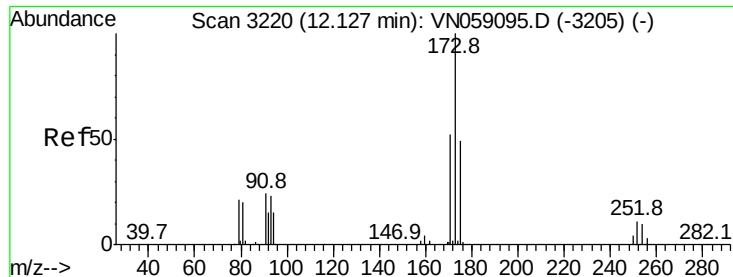


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.536 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

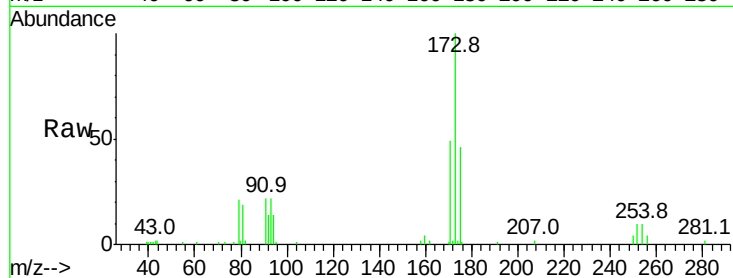
Tgt Ion:173 Resp: 60674

Ion Ratio Lower Upper

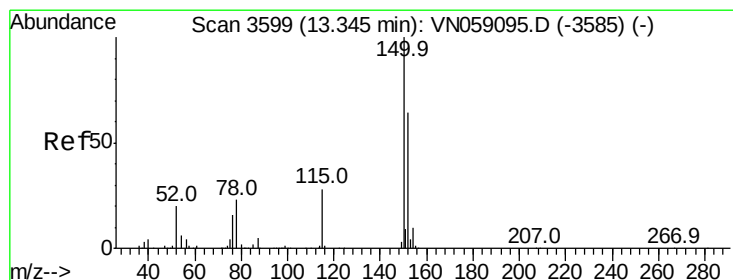
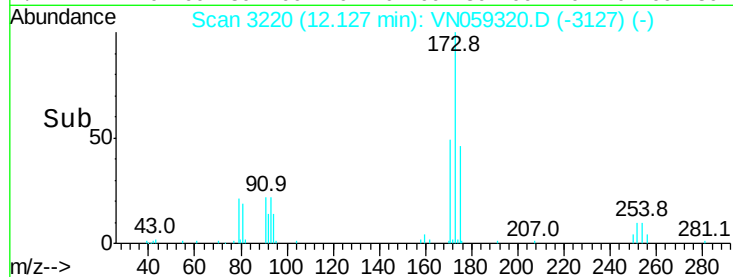
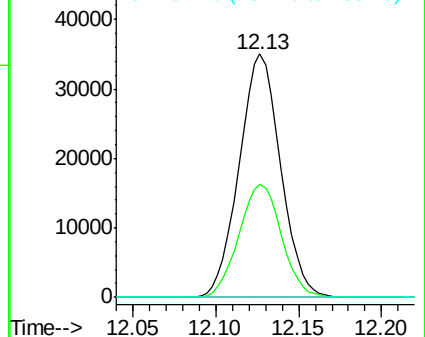
173 100

175 47.5 24.2 72.6

254 0.0 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: VN059320.D

Acq: 20 Nov 2019 12:08

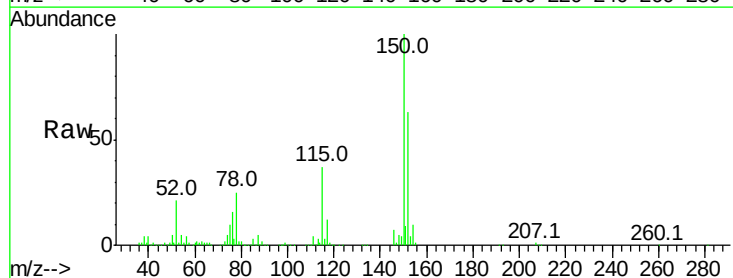
Tgt Ion:152 Resp: 246051

Ion Ratio Lower Upper

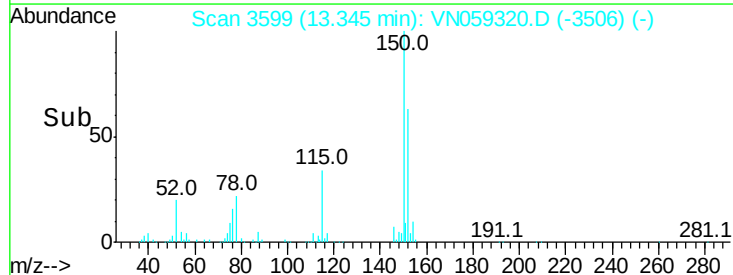
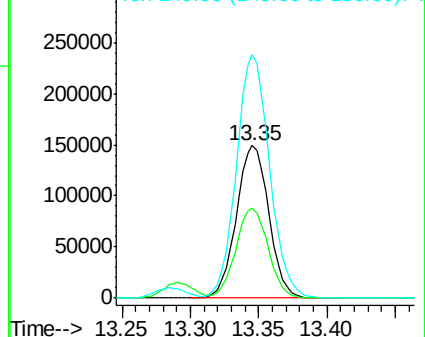
152 100

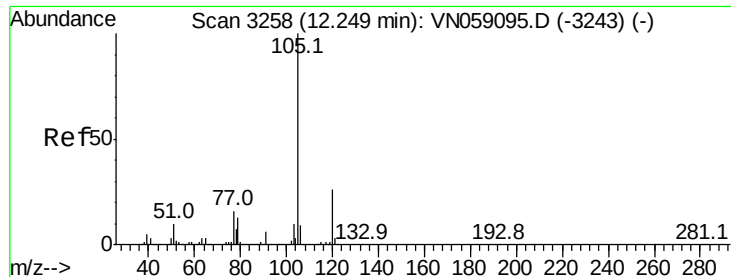
115 59.1 29.4 88.2

150 163.8 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: 20.998 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

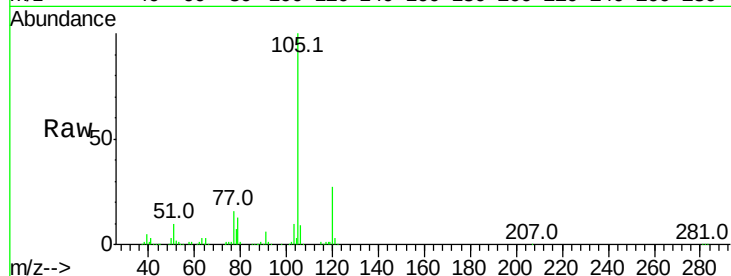
VSTDIC020

Tgt Ion: 105 Resp: 375827

Ion Ratio Lower Upper

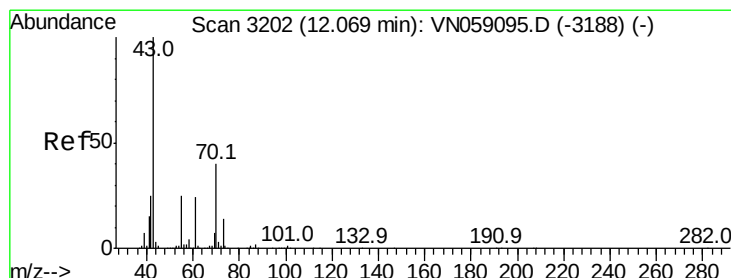
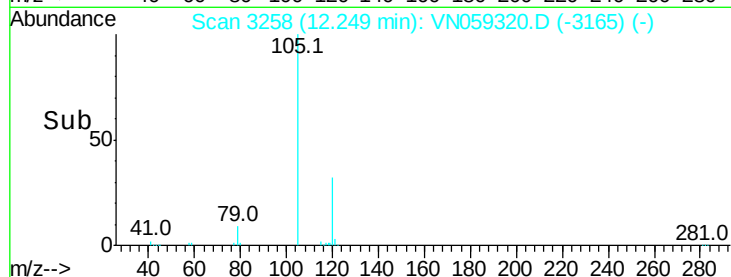
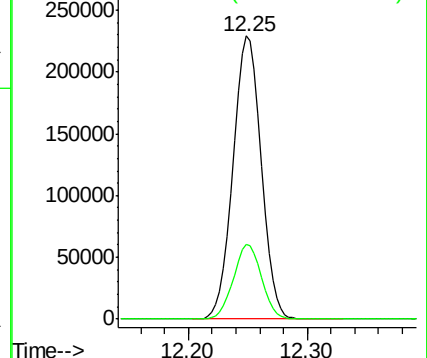
105 100

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



#74

N-ethyl acetate

Concen: 19.016 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion: 43 Resp: 144219

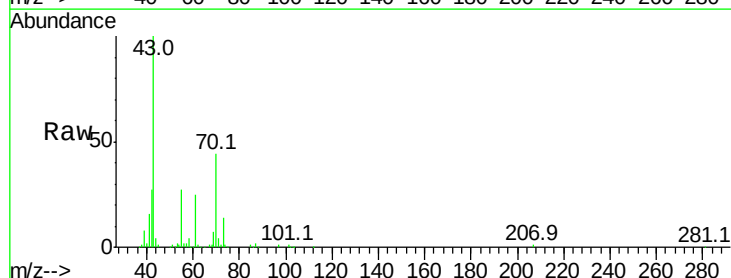
Ion Ratio Lower Upper

43 100

70 42.9 32.2 48.4

55 27.4 20.4 30.6

61 24.9 19.3 28.9

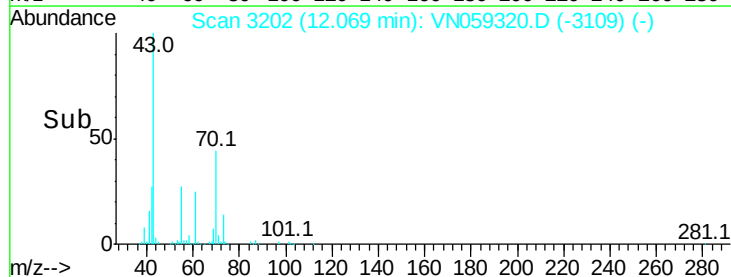
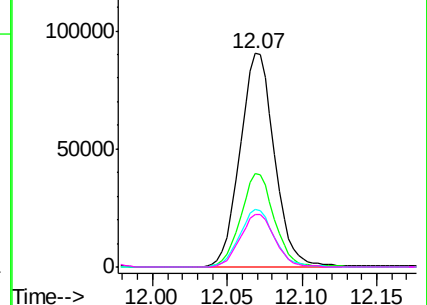


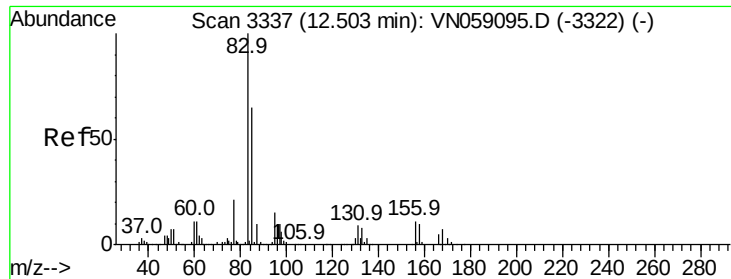
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.484 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

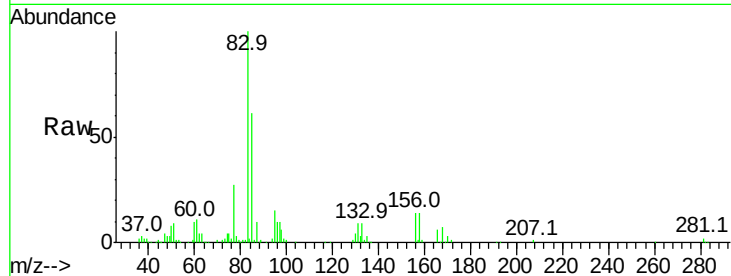
Tgt Ion: 83 Resp: 124850

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

85 63.0 32.4 97.2

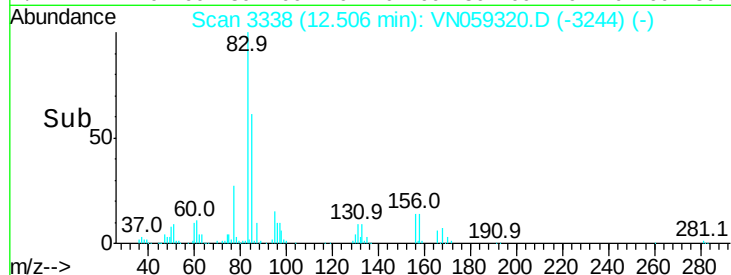


Abundance Ion 82.90 (82.60 to 83.60): VN059320.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059320.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059320.D (-3338) (-)

Time-->

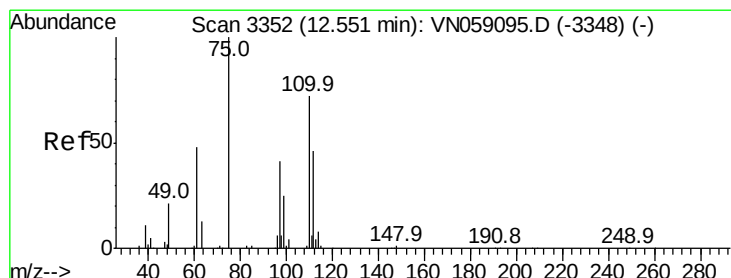


Abundance Ion 82.90 (82.60 to 83.60): VN059320.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059320.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059320.D (-3338) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.260 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059320.D

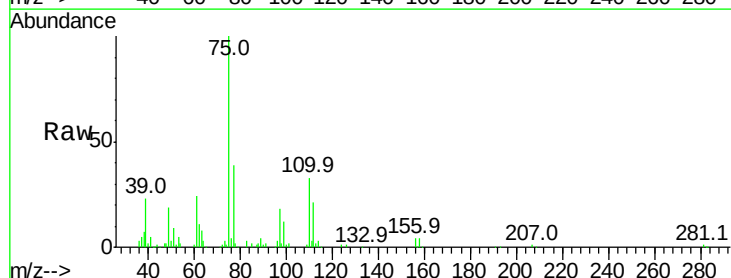
Acq: 20 Nov 2019 12:08

Tgt Ion: 75 Resp: 163909

Ion Ratio Lower Upper

75 100

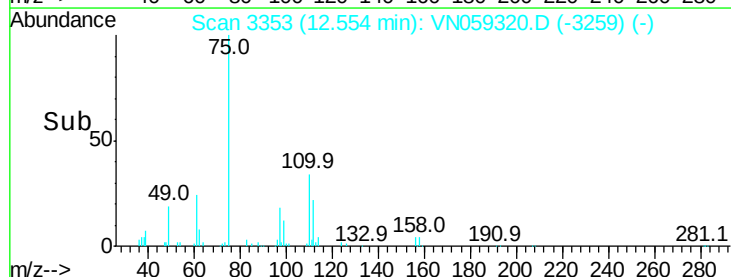
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059320.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059320.D (-3353) (-)

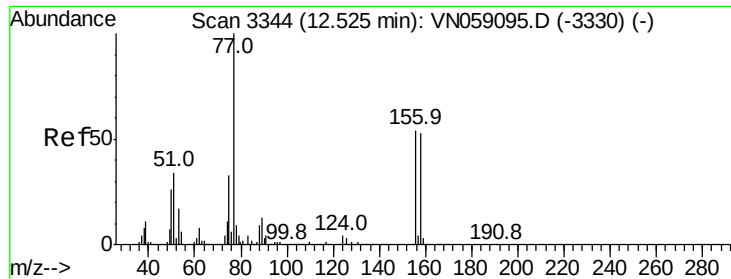
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN059320.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059320.D (-3353) (-)

Time-->



#77

Bromobenzene

Concen: 19.957 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

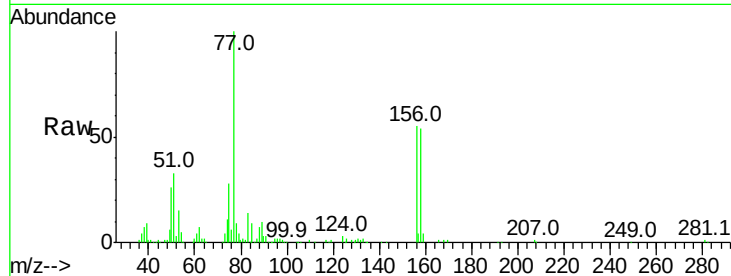
Tgt Ion:156 Resp: 89742

Ion Ratio Lower Upper

156 100

77 223.7 112.8 338.3

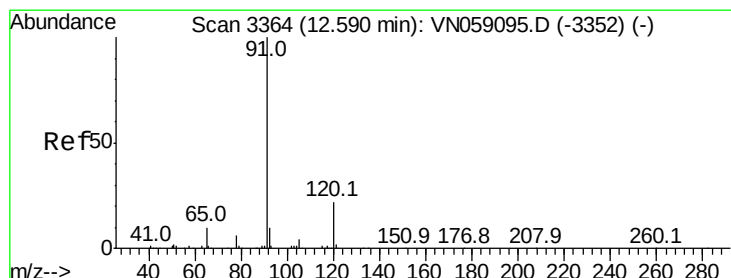
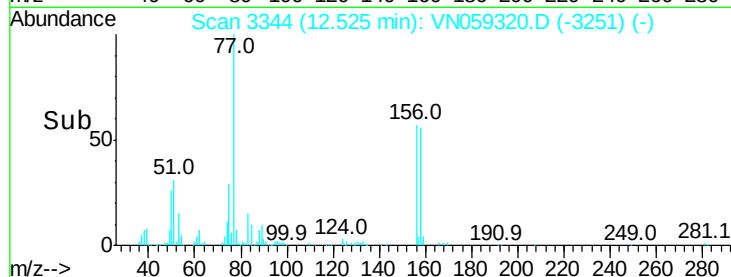
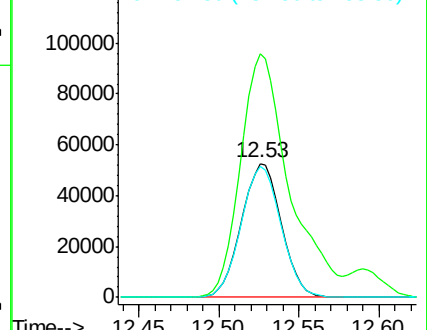
158 97.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.219 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059320.D

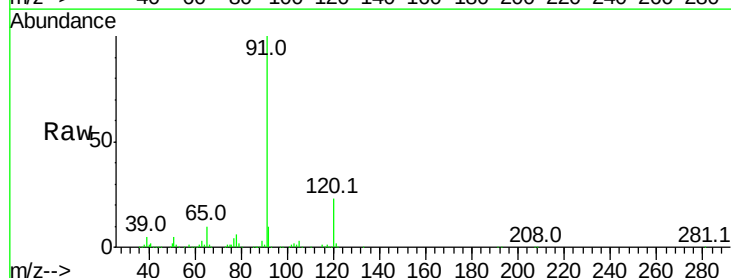
Acq: 20 Nov 2019 12:08

Tgt Ion: 91 Resp: 434831

Ion Ratio Lower Upper

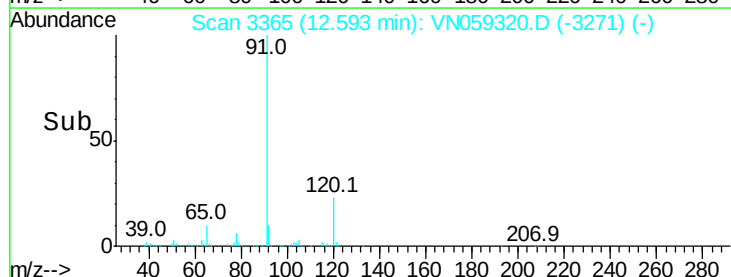
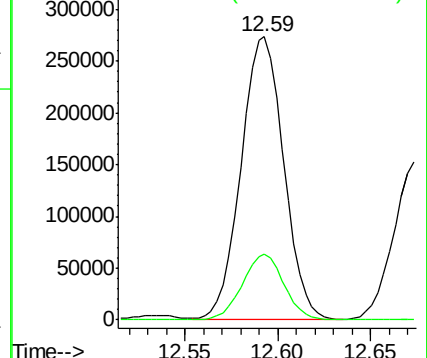
91 100

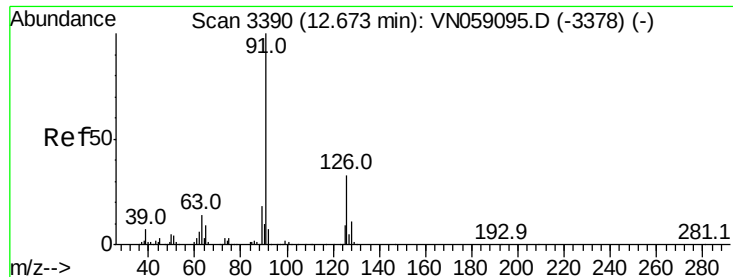
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.308 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

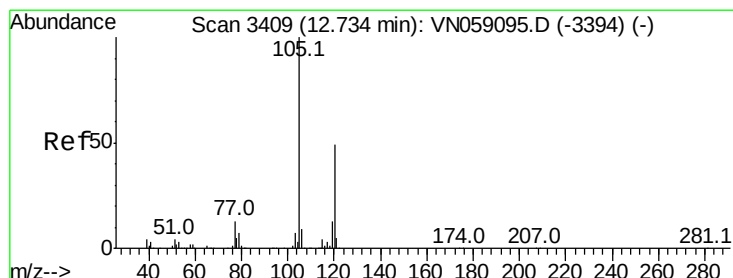
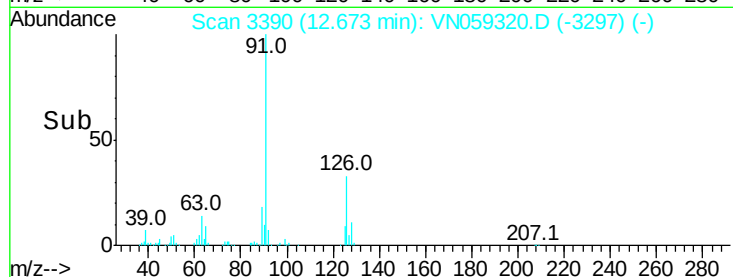
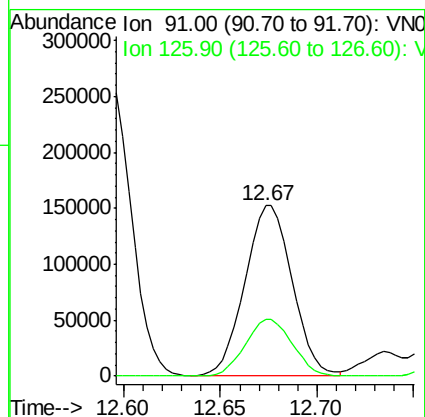
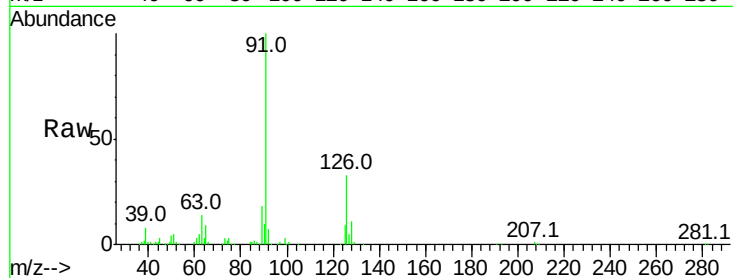
VSTDIC020

Tgt Ion: 91 Resp: 258173

Ion Ratio Lower Upper

91 100

126 33.7 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 20.901 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059320.D

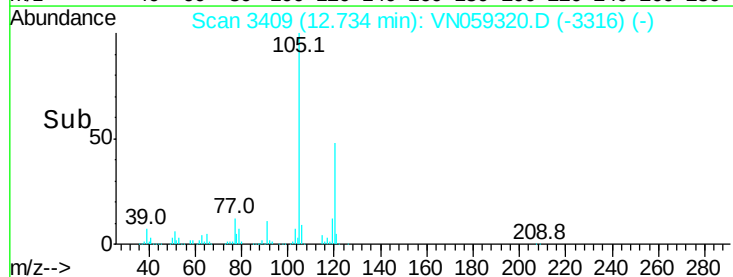
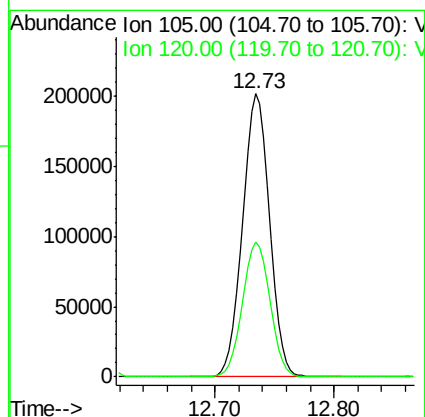
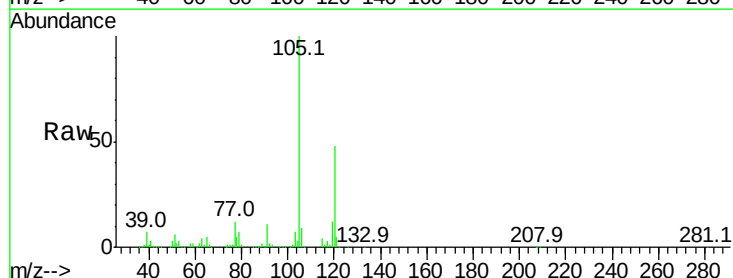
Acq: 20 Nov 2019 12:08

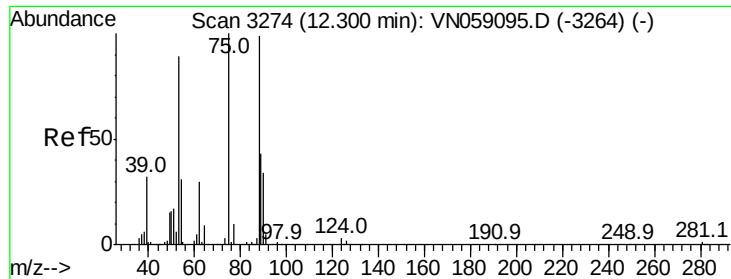
Tgt Ion: 105 Resp: 316985

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.466 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

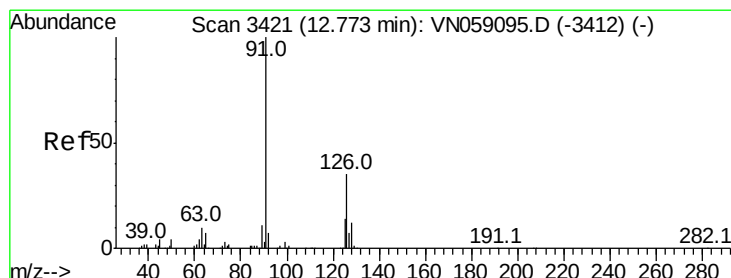
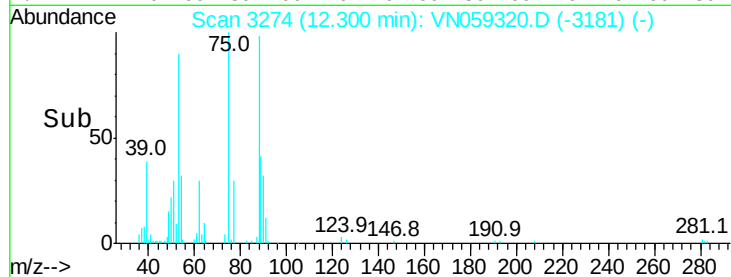
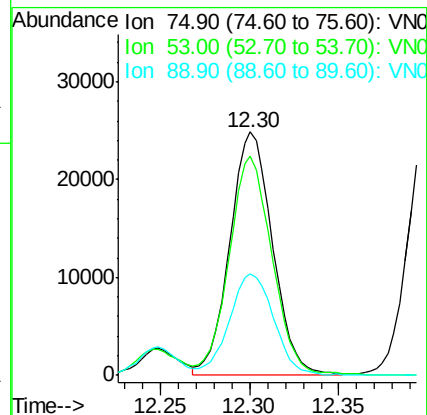
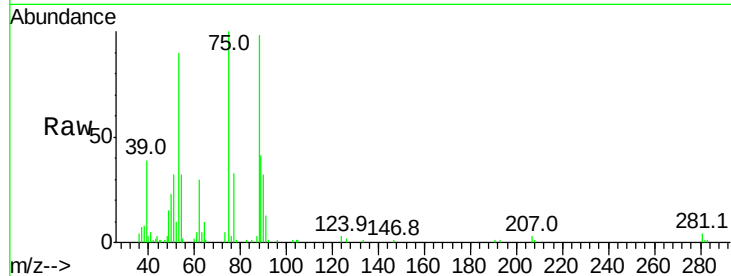
Tgt Ion: 75 Resp: 41285

Ion Ratio Lower Upper

75 100

53 91.0 72.2 108.2

89 43.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.464 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059320.D

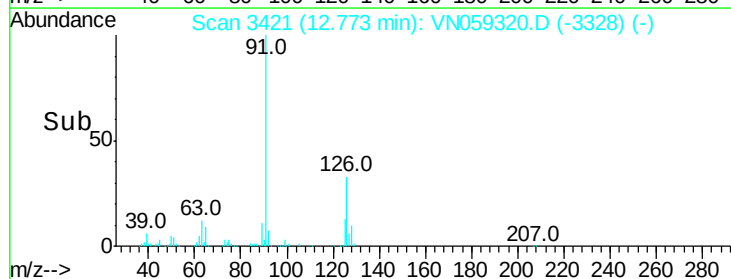
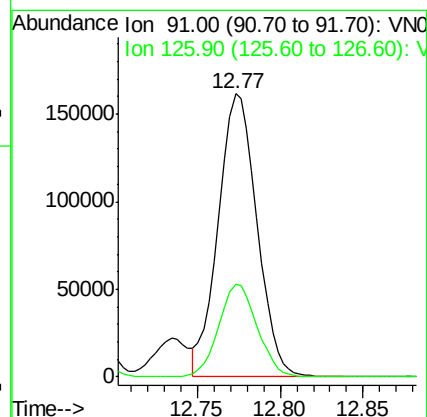
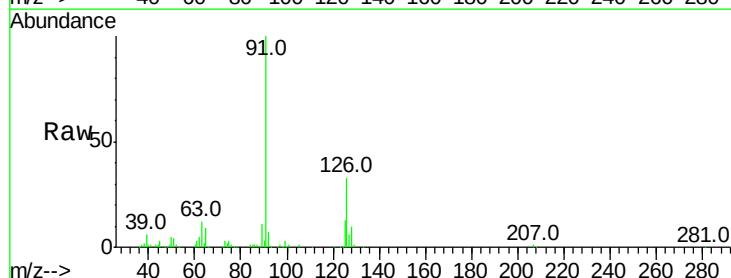
Acq: 20 Nov 2019 12:08

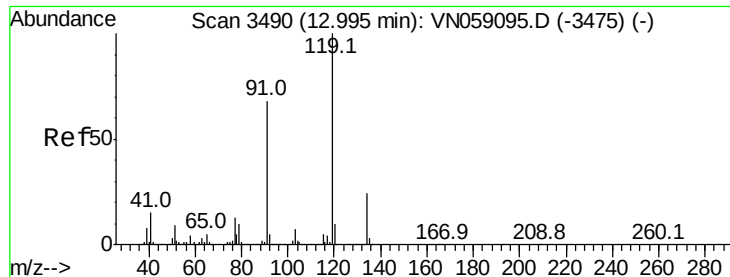
Tgt Ion: 91 Resp: 260932

Ion Ratio Lower Upper

91 100

126 32.8 16.1 48.2





#83

tert-Butylbenzene

Concen: 20.714 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

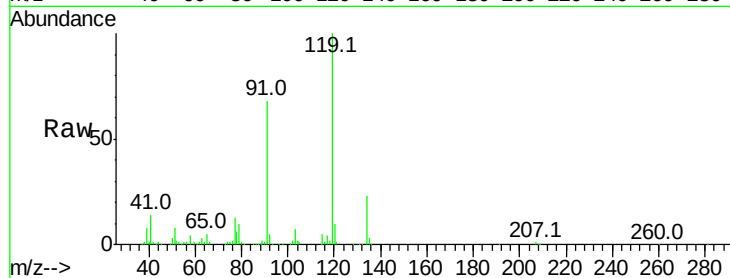
Tgt Ion:119 Resp: 271289

Ion Ratio Lower Upper

119 100

91 66.1 33.2 99.6

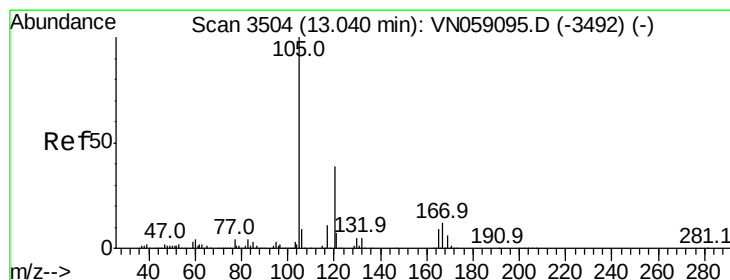
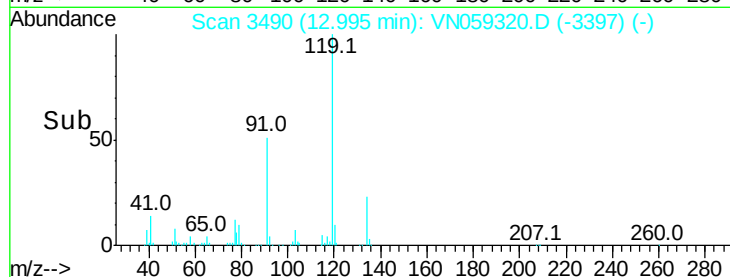
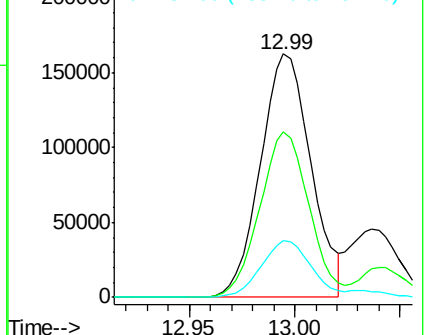
134 23.1 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.348 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059320.D

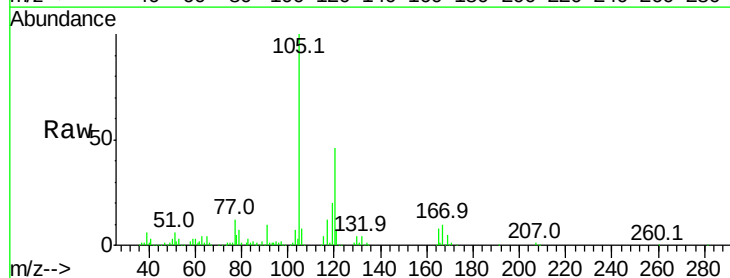
Acq: 20 Nov 2019 12:08

Tgt Ion:105 Resp: 313228

Ion Ratio Lower Upper

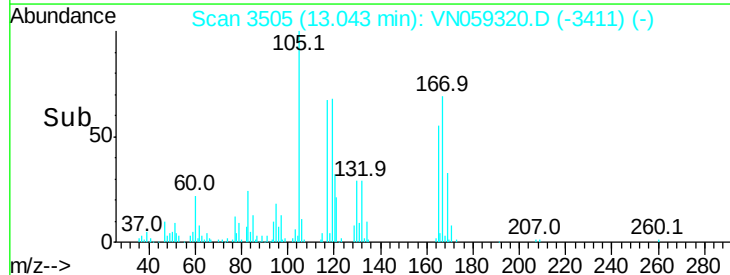
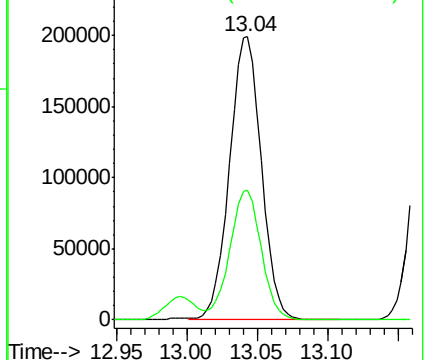
105 100

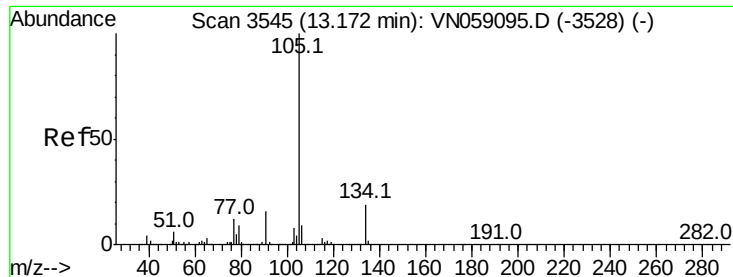
120 45.1 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.242 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

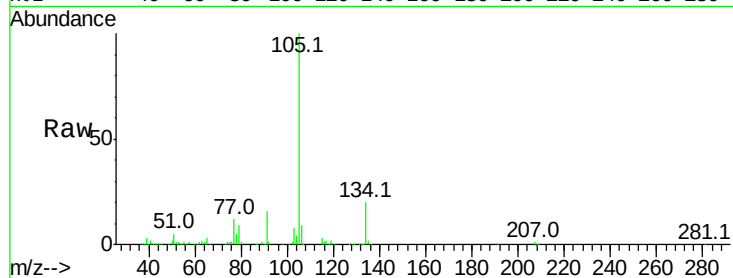
VSTDIC020

Tgt Ion:105 Resp: 361816

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

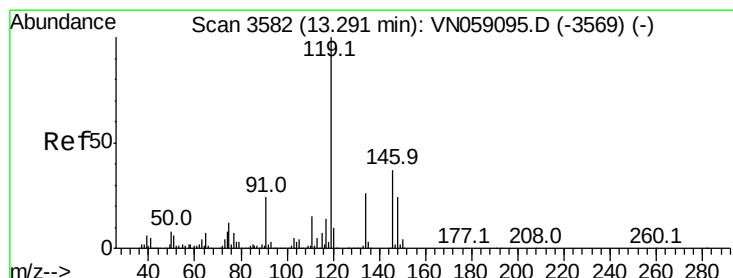
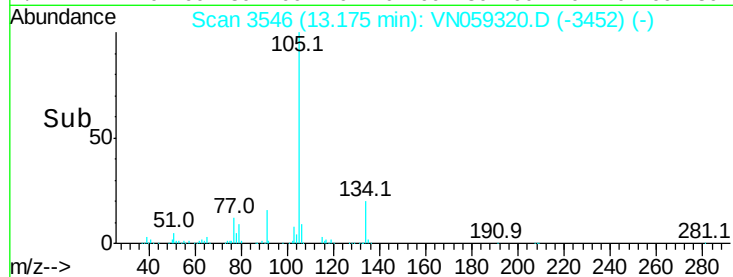
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.457 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

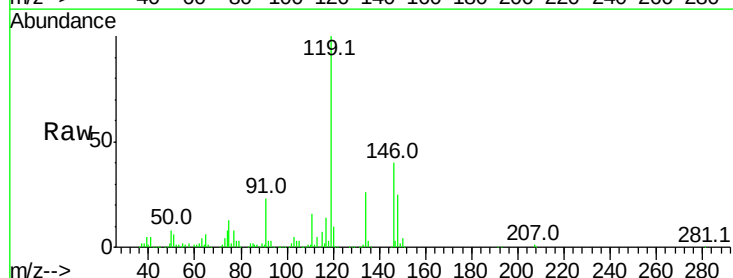
Tgt Ion:119 Resp: 322699

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 23.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

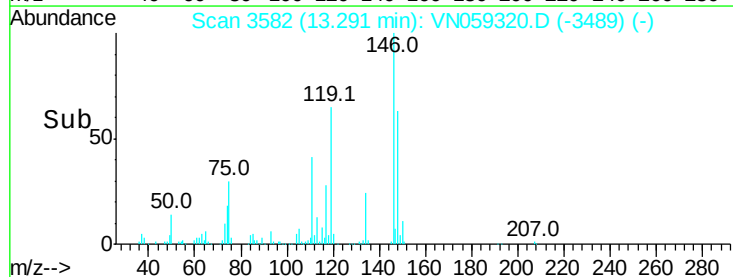
150000

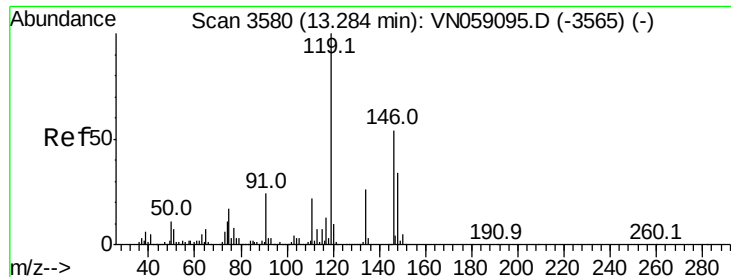
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.282 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

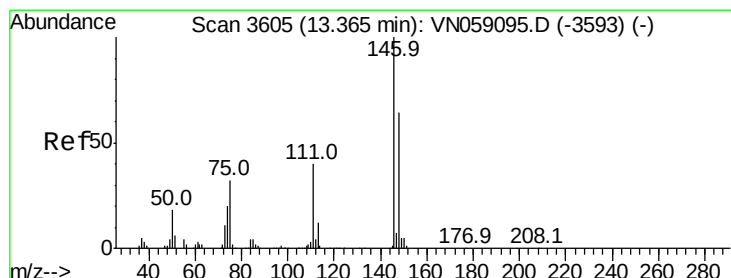
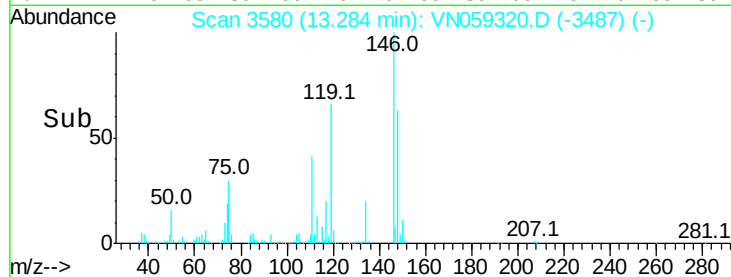
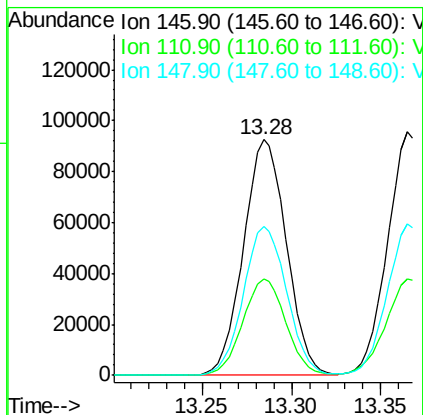
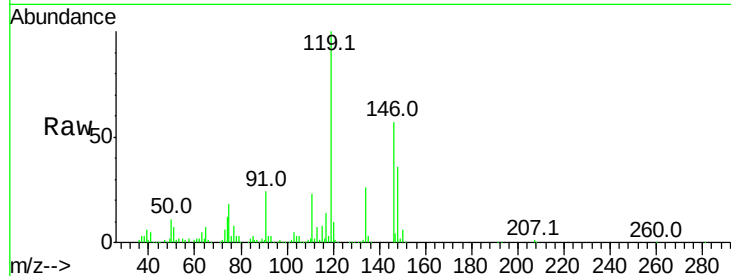
Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	156177
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.5	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 20.004 ug/l

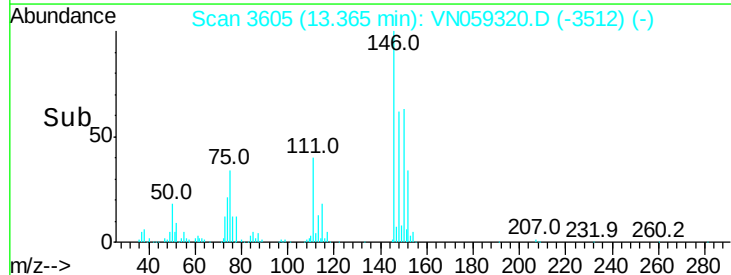
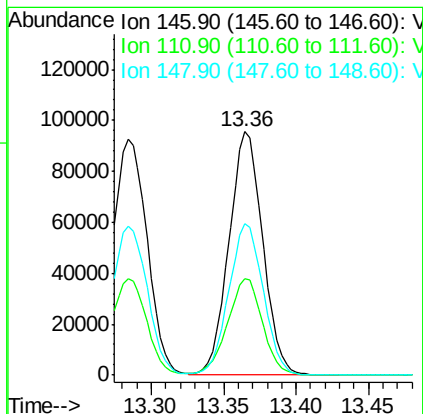
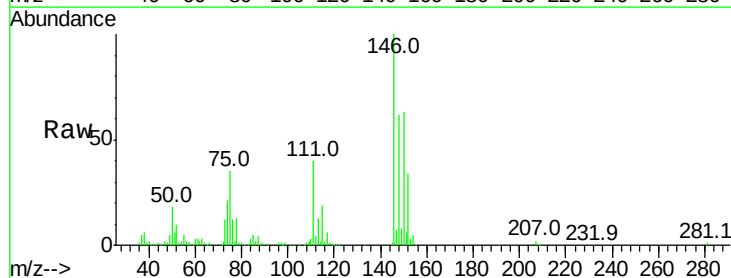
RT: 13.36 min Scan# 3605

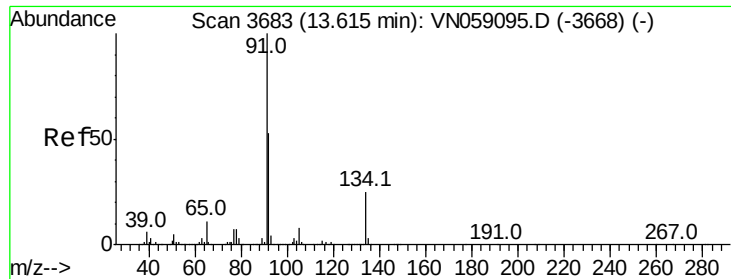
Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Tgt Ion:	146	Resp:	154116
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	63.9	31.9	95.7





#89

n-Butylbenzene

Concen: 20.860 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

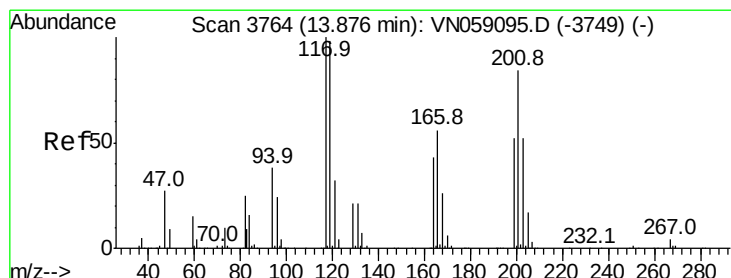
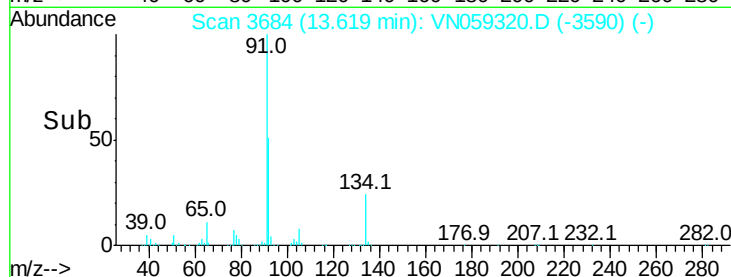
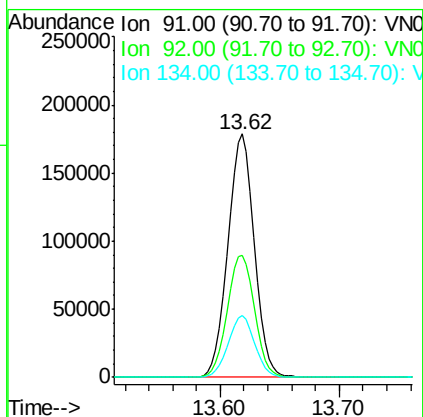
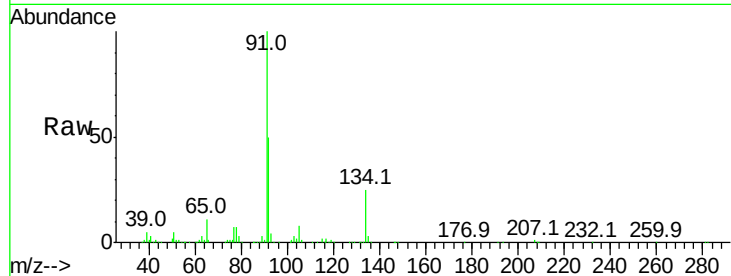
Tgt Ion: 91 Resp: 274589

Ion Ratio Lower Upper

91 100

92 51.9 26.1 78.3

134 25.4 12.6 37.8



#90

Hexachloroethane

Concen: 19.507 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059320.D

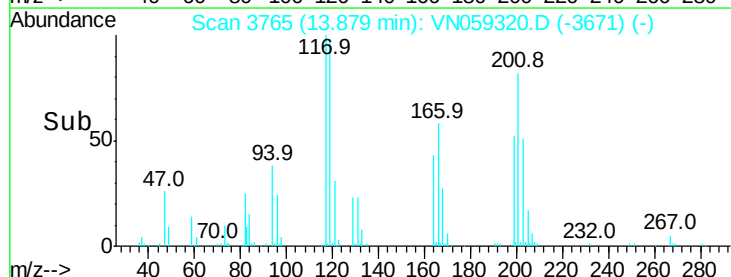
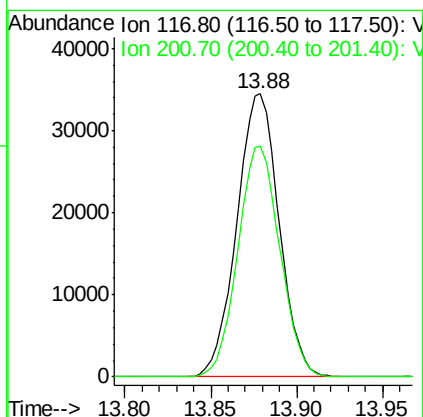
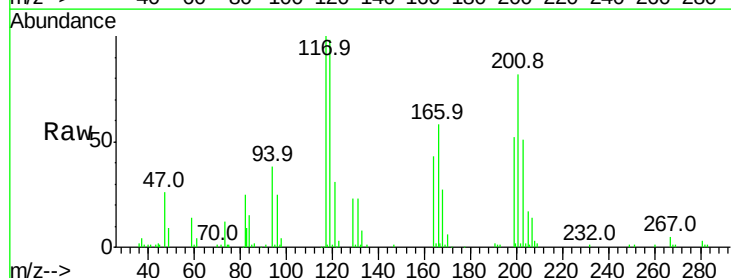
Acq: 20 Nov 2019 12:08

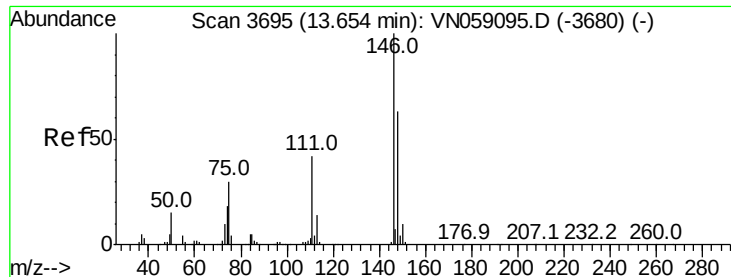
Tgt Ion: 117 Resp: 58911

Ion Ratio Lower Upper

117 100

201 81.0 41.8 125.3

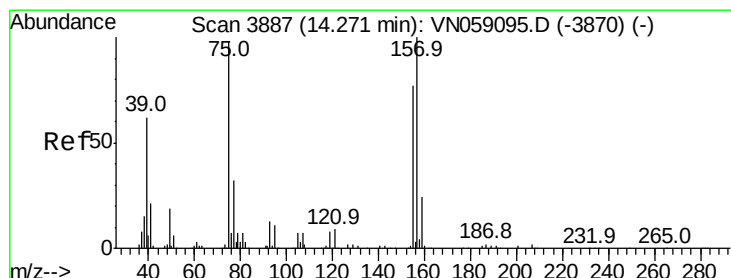
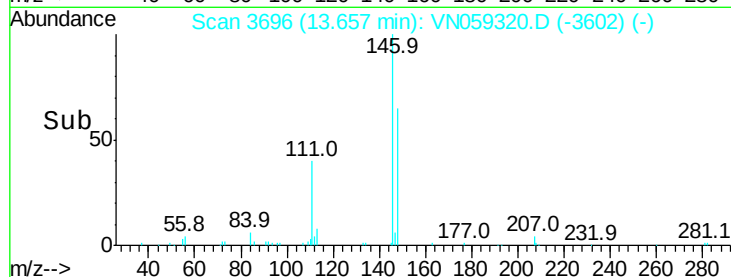
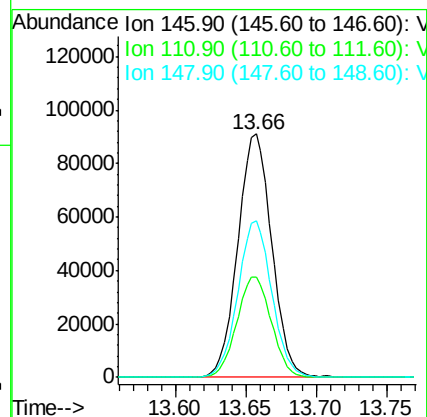
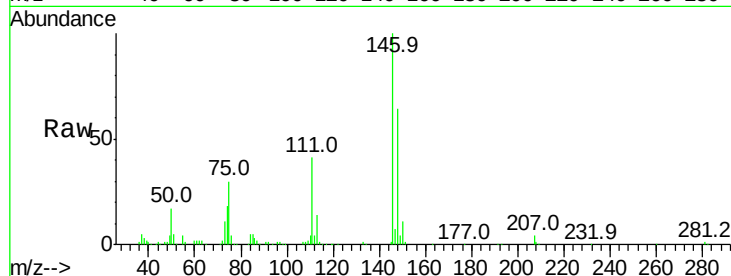




#91
 1,2-Dichlorobenzene
 Concen: 20.313 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

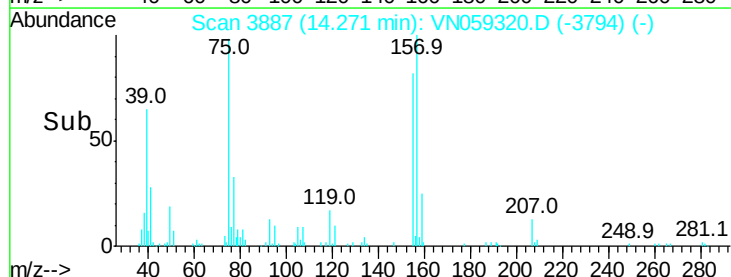
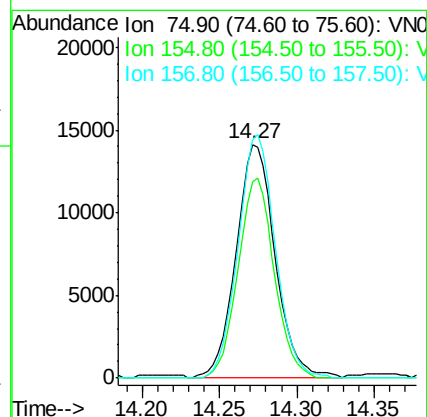
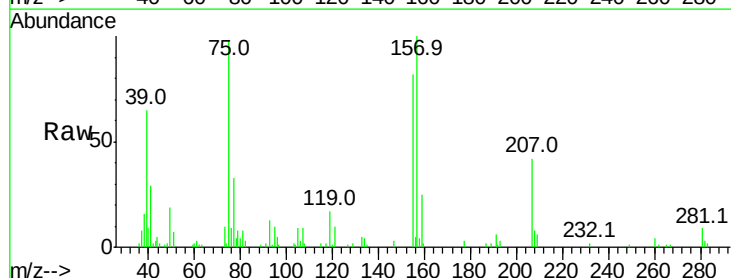
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

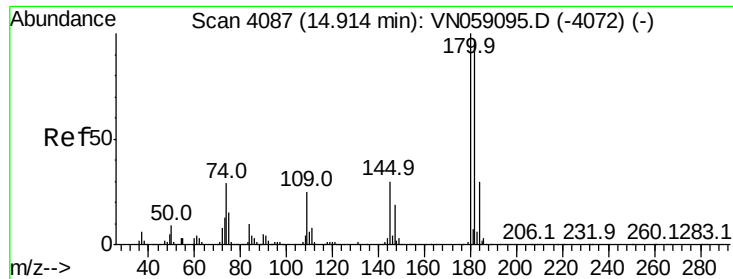
Tgt Ion: 146 Resp: 153867
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.2 63.6
 148 64.1 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.043 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion: 75 Resp: 24820
 Ion Ratio Lower Upper
 75 100
 155 79.1 40.2 120.6
 157 99.5 51.8 155.5

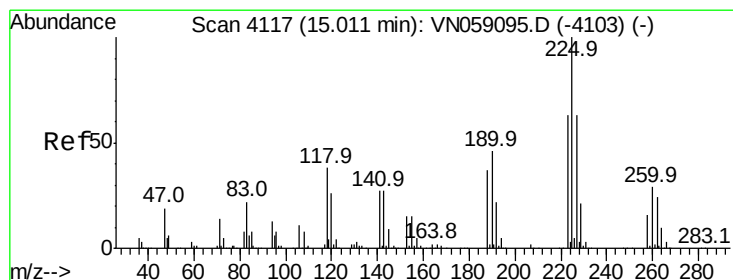
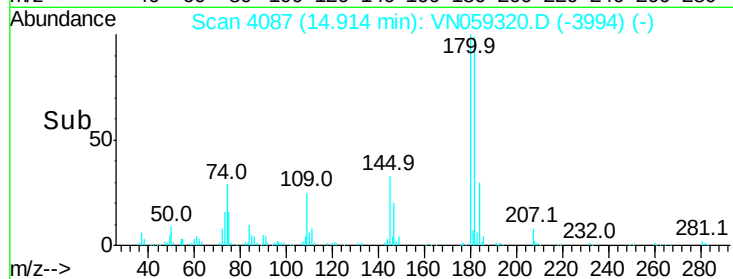
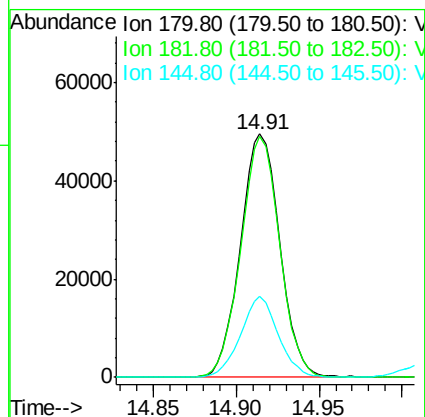
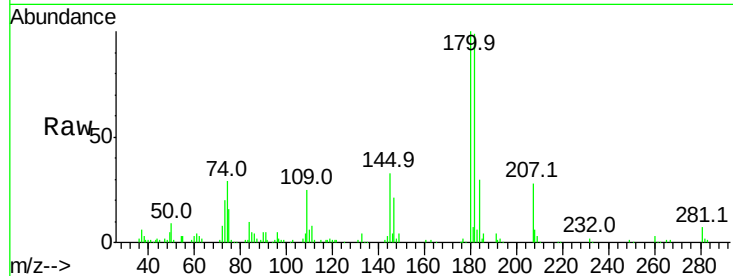




#93
 1,2,4-Trichlorobenzene
 Concen: 20.181 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

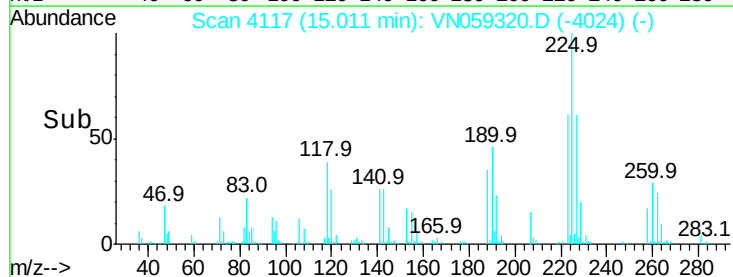
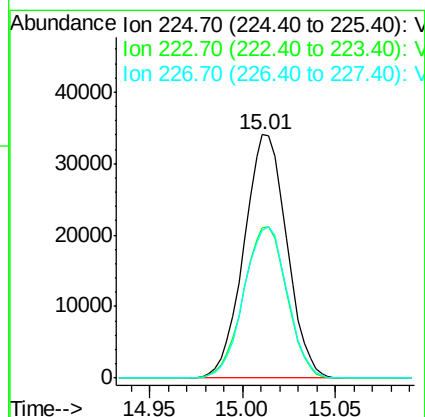
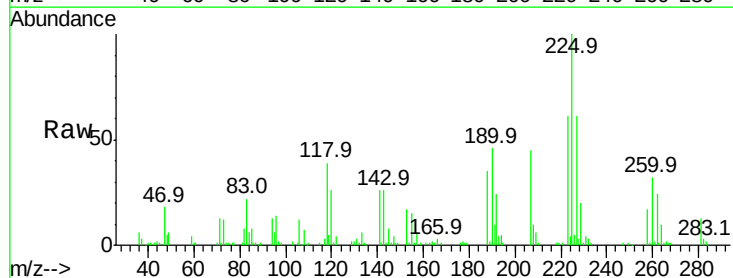
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

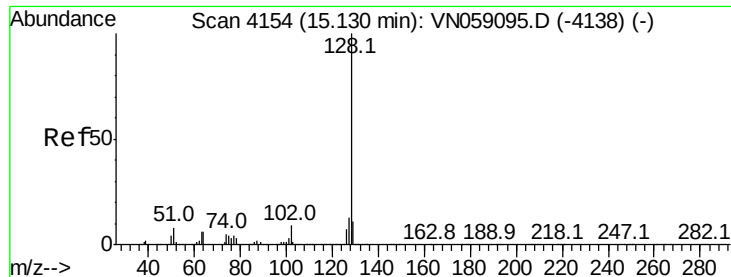
Tgt Ion:180 Resp: 81890
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.1 144.3
 145 31.5 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 20.876 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059320.D
 Acq: 20 Nov 2019 12:08

Tgt Ion:225 Resp: 54525
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.9
 227 62.9 31.5 94.5





#95

Naphthalene

Concen: 19.684 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

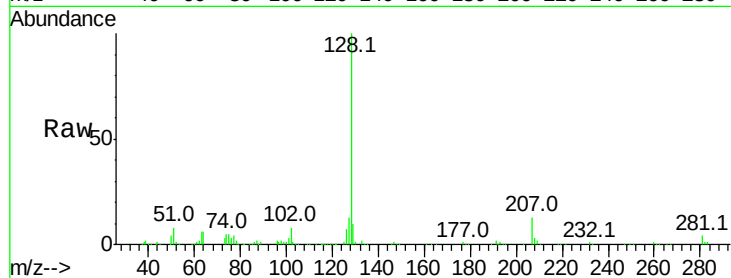
Tgt Ion:128 Resp: 219371

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

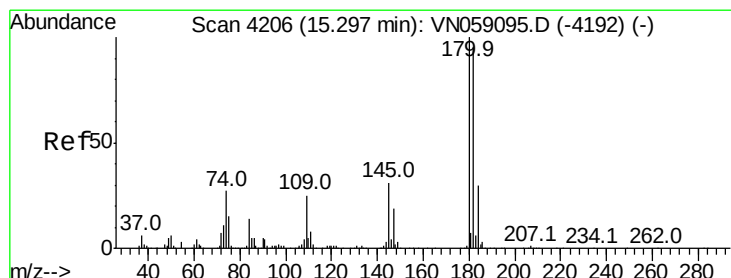
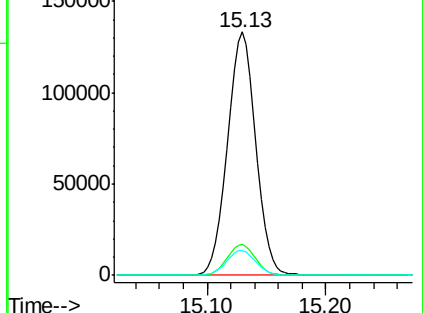
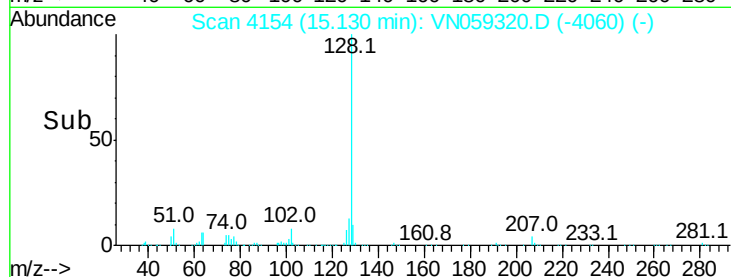
129 10.7 8.6 12.8



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: 19.724 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059320.D

Acq: 20 Nov 2019 12:08

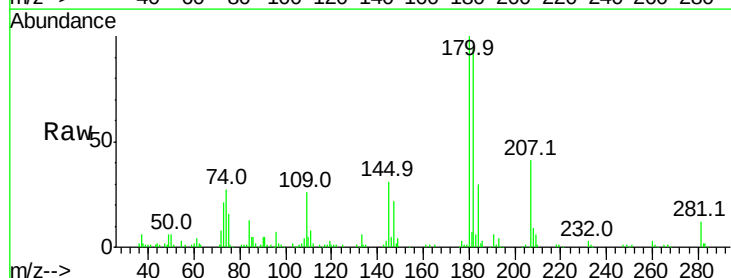
Tgt Ion:180 Resp: 83728

Ion Ratio Lower Upper

180 100

182 94.3 47.3 141.8

145 32.3 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

