

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059335.D
 Acq On : 21 Nov 2019 15:06
 Operator : JC/SP
 Sample : VN1121WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:01:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	404860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	217479	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
35) Dibromofluoromethane	7.57	113	172064	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	10.08	98	686602	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
62) 4-Bromofluorobenzene	12.40	95	242020	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98191	18.944	ug/l	100
3) Chloromethane	2.04	50	117274	18.469	ug/l	100
4) Vinyl Chloride	2.17	62	124995	19.120	ug/l	99
5) Bromomethane	2.55	94	66964	18.450	ug/l	96
6) Chloroethane	2.68	64	63393	17.768	ug/l	99
7) Trichlorofluoromethane	3.00	101	126893	18.025	ug/l	99
8) Diethyl Ether	3.39	74	53590	18.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	80550	18.712	ug/l	100
10) Methyl Iodide	3.93	142	103607	19.366	ug/l	98
11) Tert butyl alcohol	4.75	59	88568	91.066	ug/l	100
12) 1,1-Dichloroethene	3.72	96	79752	18.252	ug/l	99
13) Acrolein	3.58	56	82077	92.449	ug/l	99
14) Allyl chloride	4.30	41	148708	18.218	ug/l	99
15) Acrylonitrile	4.95	53	241004	93.722	ug/l	99
16) Acetone	3.79	43	207711	95.364	ug/l	97
17) Carbon Disulfide	4.03	76	251128	18.427	ug/l	99
18) Methyl Acetate	4.30	43	135863	18.796	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	264680	18.754	ug/l	100
20) Methylene Chloride	4.53	84	90838	18.492	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	85367	18.434	ug/l	99
22) Diisopropyl ether	5.92	45	286468	18.639	ug/l	96
23) Vinyl Acetate	5.87	43	1137493	94.117	ug/l	100
24) 1,1-Dichloroethane	5.82	63	163222	18.868	ug/l	99
25) 2-Butanone	6.81	43	318472	94.031	ug/l	98
26) 2,2-Dichloropropane	6.80	77	137098	18.302	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95683	18.313	ug/l	98
28) Bromochloromethane	7.18	49	65519	20.070	ug/l	98
29) Tetrahydrofuran	7.19	42	217801	93.001	ug/l	100
30) Chloroform	7.35	83	155903	18.485	ug/l	97
31) Cyclohexane	7.63	56	156063	18.246	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	131994	18.300	ug/l	100
36) 1,1-Dichloropropene	7.77	75	121921	18.448	ug/l	100
37) Ethyl Acetate	6.90	43	127768	17.988	ug/l	99
38) Carbon Tetrachloride	7.75	117	117867	18.629	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149132	18.713	ug/l	98
40) Benzene	8.02	78	360000	18.559	ug/l	100
41) Methacrylonitrile	7.18	41	185497	58.829	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	118411	18.458	ug/l	100
43) Isopropyl Acetate	8.15	43	198325	18.270	ug/l	99
44) Trichloroethene	8.82	130	90932	18.497	ug/l	99
45) 1,2-Dichloropropane	9.11	63	96872	18.728	ug/l	96
46) Dibromomethane	9.20	93	58892	18.562	ug/l	99
47) Bromodichloromethane	9.39	83	116902	18.398	ug/l	99
48) Methyl methacrylate	9.19	41	90168	18.266	ug/l	99
49) 1,4-Dioxane	9.19	88	27555	371.413	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	628174	98.866	ug/l	99
52) Toluene	10.15	92	219230	18.796	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	136475	18.477	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	149509	18.654	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	86772	19.135	ug/l	98
56) Ethyl methacrylate	10.42	69	128628	18.251	ug/l	99
57) 1,3-Dichloropropane	10.70	76	150990	19.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	212392	91.450	ug/l	100
59) 2-Hexanone	10.75	43	458457	98.539	ug/l	99
60) Dibromochloromethane	10.90	129	88362	18.491	ug/l	99
61) 1,2-Dibromoethane	11.00	107	88719	18.802	ug/l	99
64) Tetrachloroethene	10.63	164	81051	18.422	ug/l	98
65) Chlorobenzene	11.43	112	225455	18.432	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	84945	19.116	ug/l	98
67) Ethyl Benzene	11.51	91	411118	18.825	ug/l	100
68) m/p-Xylenes	11.62	106	303883	37.446	ug/l	98
69) o-Xylene	11.95	106	147903	19.037	ug/l	99
70) Styrene	11.96	104	228619	18.649	ug/l	99
71) Bromoform	12.13	173	63255	18.797	ug/l #	100
73) Isopropylbenzene	12.25	105	394756	19.159	ug/l	100
74) N-amyl acetate	12.07	43	151697	18.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	127348	18.684	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168563	29.009	ug/l #	100
77) Bromobenzene	12.53	156	92404	18.490	ug/l	98
78) n-propylbenzene	12.59	91	455124	19.500	ug/l	100
79) 2-Chlorotoluene	12.68	91	269137	18.787	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	331395	19.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42919	18.474	ug/l	98
82) 4-Chlorotoluene	12.77	91	271541	18.317	ug/l	99
83) tert-Butylbenzene	12.99	119	281531	19.245	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	322774	19.024	ug/l	100
85) sec-Butylbenzene	13.17	105	379178	19.285	ug/l	99
86) p-Isopropyltoluene	13.29	119	336270	19.220	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	162698	18.281	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	160652	18.244	ug/l	99
89) n-Butylbenzene	13.62	91	284737	18.552	ug/l	99
90) Hexachloroethane	13.88	117	60010	18.111	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	161149	18.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25249	17.424	ug/l	99

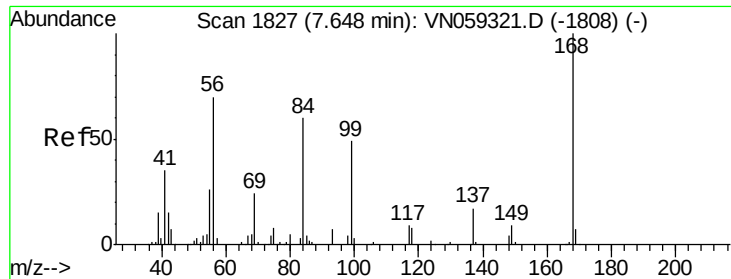
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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89719	18.706	ug/l	98
94) Hexachlorobutadiene	15.01	225	58638	18.901	ug/l	98
95) Naphthalene	15.13	128	237325	18.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	91571	18.659	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

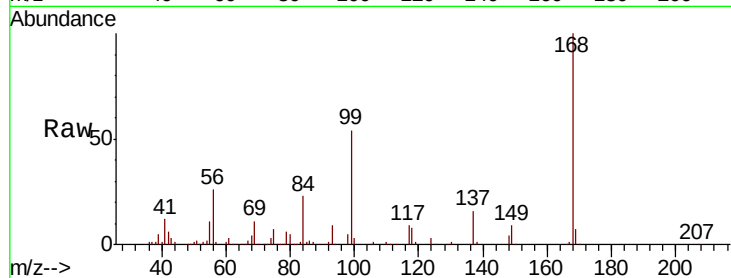
ClientSampleId :

Tot Ion:168 Resp: 404860

Ion Ratio Lower Upper

168 100

99 53.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.65

150000

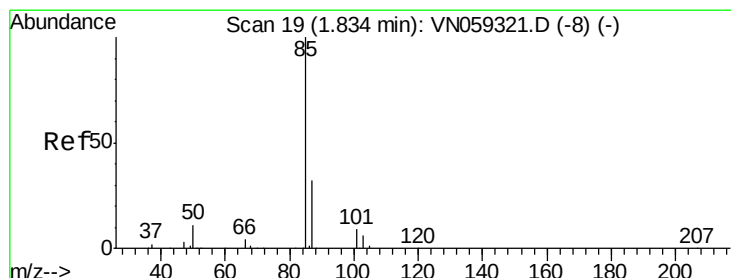
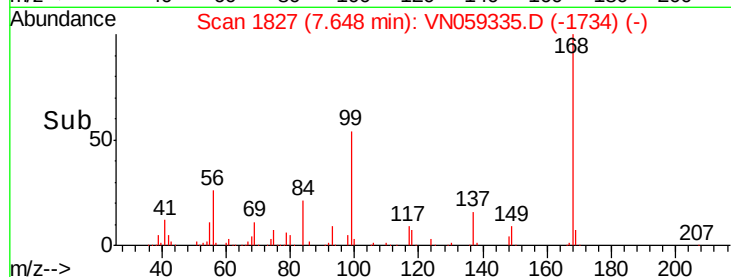
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.944 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059335.D

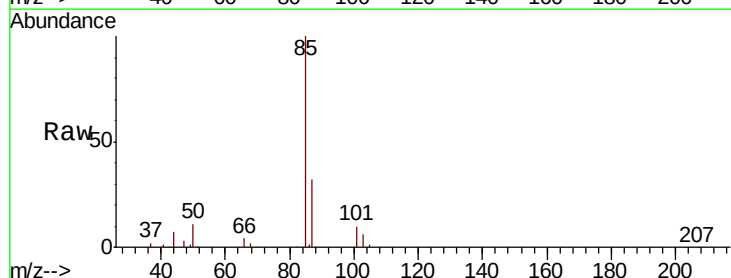
Acq: 21 Nov 2019 15:06

Tgt Ion: 85 Resp: 98191

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN059321.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059321.D (-8) (-)

1.83

80000

60000

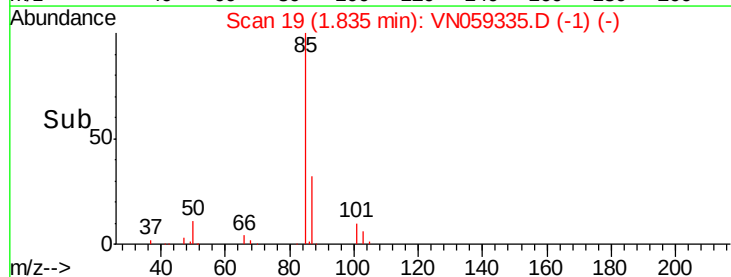
40000

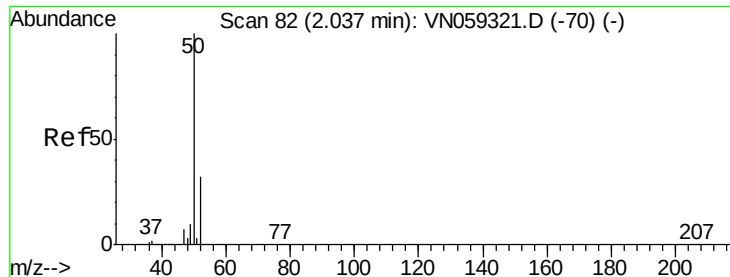
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.469 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

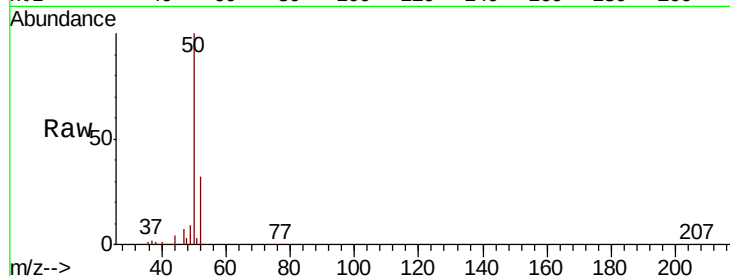
ClientSampled :

Tot Ion: 50 Resp: 117274

Ion Ratio Lower Upper

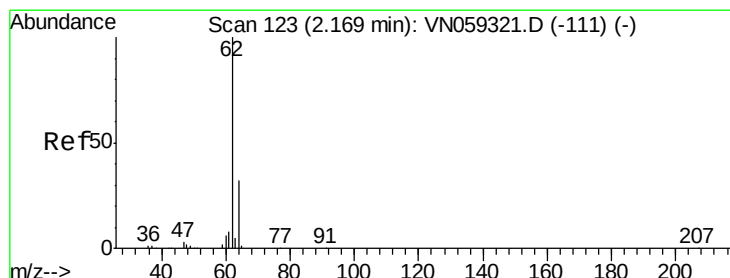
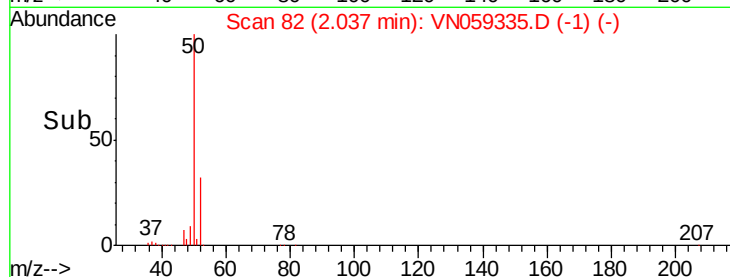
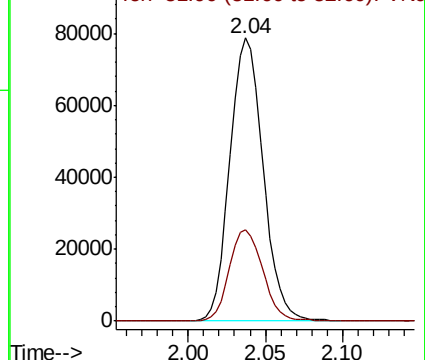
50 100

52 32.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.120 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059335.D

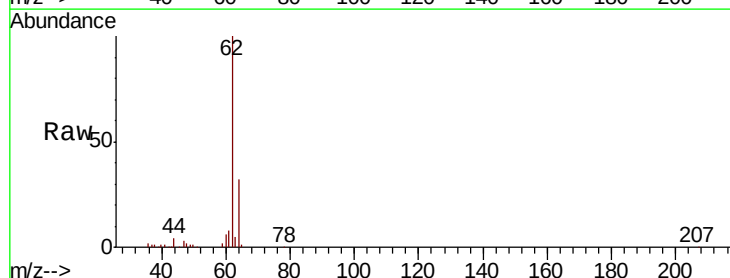
Acq: 21 Nov 2019 15:06

Tgt Ion: 62 Resp: 124995

Ion Ratio Lower Upper

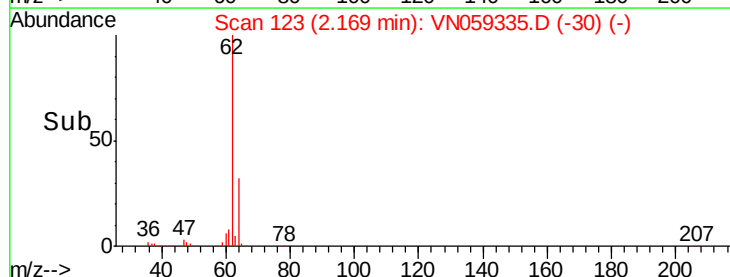
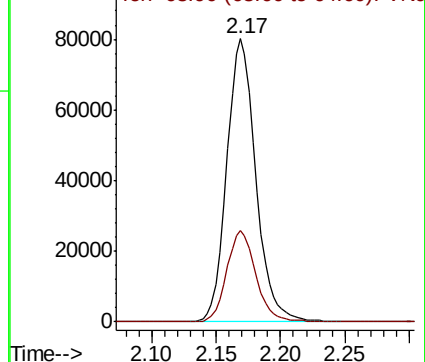
62 100

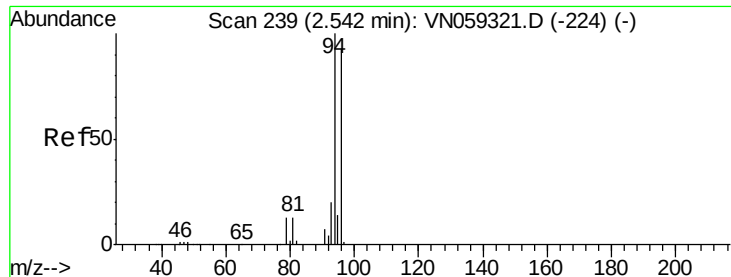
64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.450 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

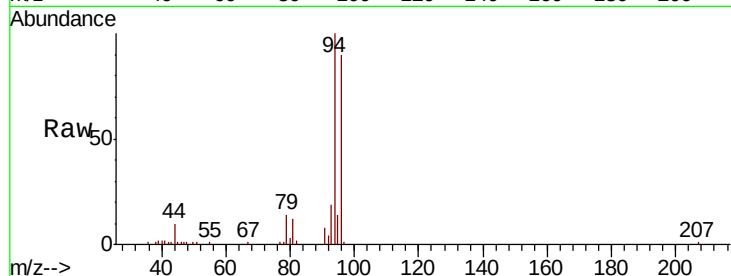
ClientSampleId :

Tot Ion: 94 Resp: 66964

Ion Ratio Lower Upper

94 100

96 89.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN059335.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059335.D (-145) (-)

2.55

30000

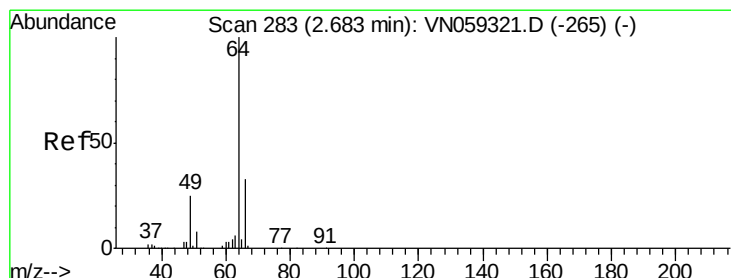
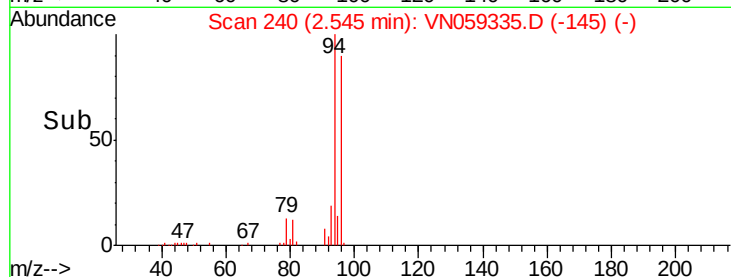
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 17.768 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059335.D

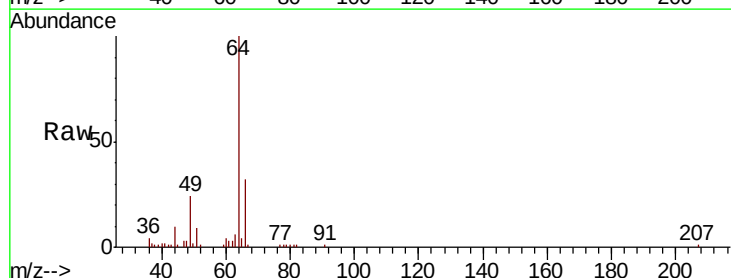
Acq: 21 Nov 2019 15:06

Tgt Ion: 64 Resp: 63393

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN059335.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN059335.D (-190) (-)

2.68

30000

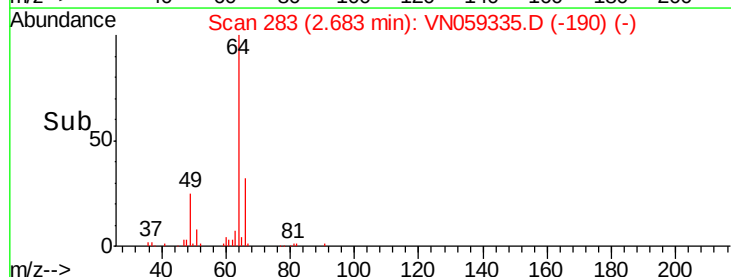
20000

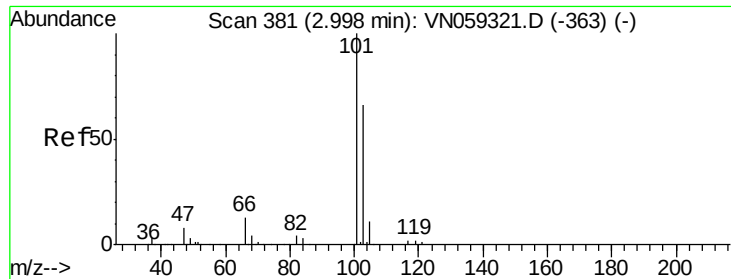
10000

0

Time-->

2.60 2.70 2.80



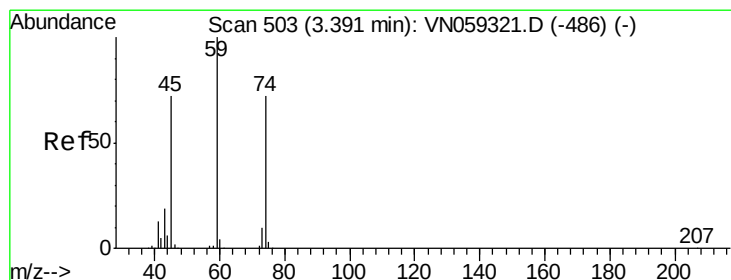
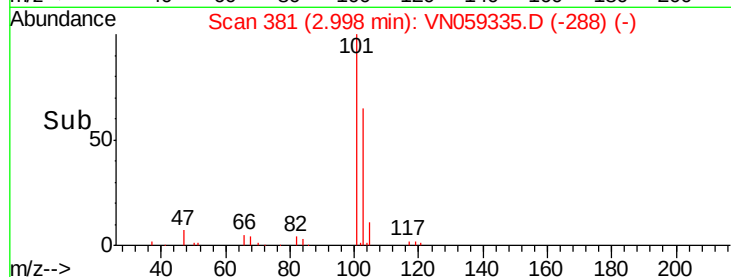
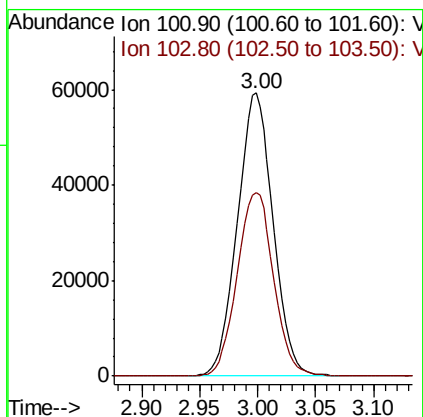
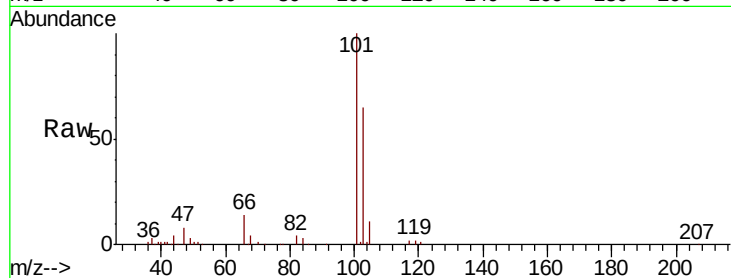


#7

Trichlorofluoromethane
 Concen: 18.025 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Instrument :
 MSVOA_N
 ClientSampleId :

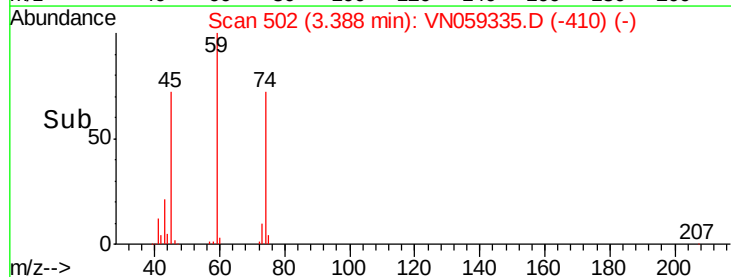
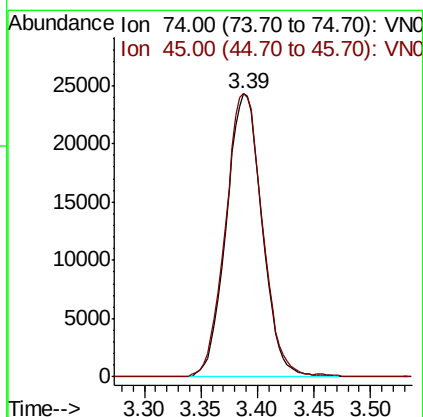
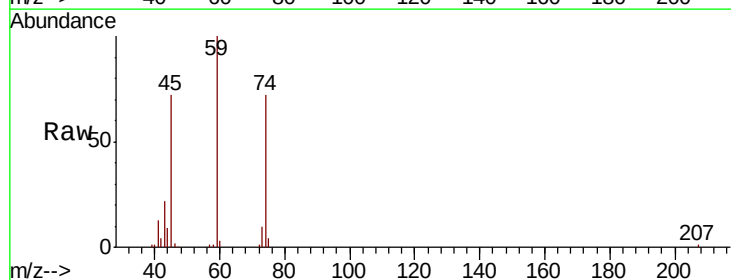
Tot Ion:101 Resp: 126893
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.5 78.7

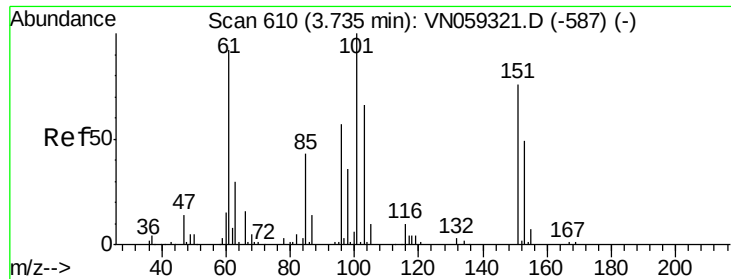


#8

Diethyl Ether
 Concen: 18.620 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion: 74 Resp: 53590
 Ion Ratio Lower Upper
 74 100
 45 102.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.712 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

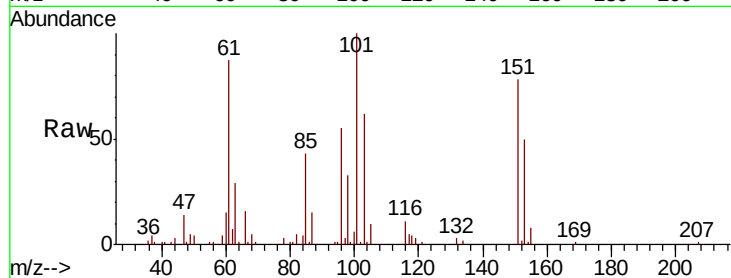
Tot Ion:101 Resp: 80550

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

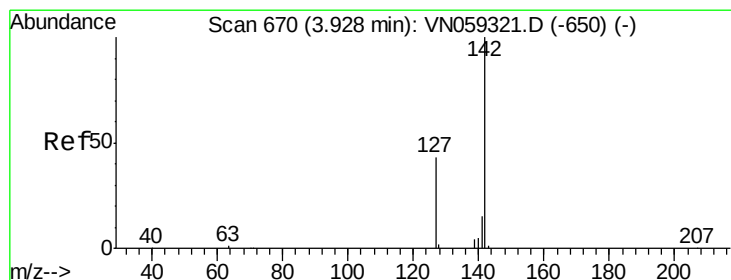
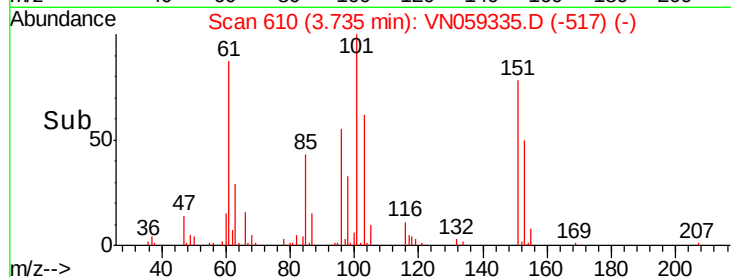
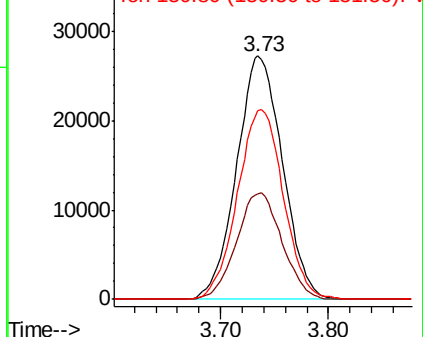
151 77.9 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.366 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

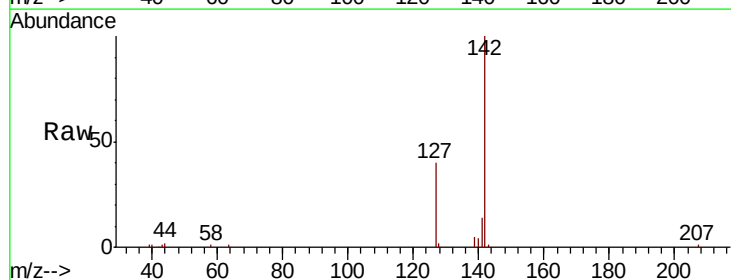
Tgt Ion:142 Resp: 103607

Ion Ratio Lower Upper

142 100

127 40.3 33.8 50.6

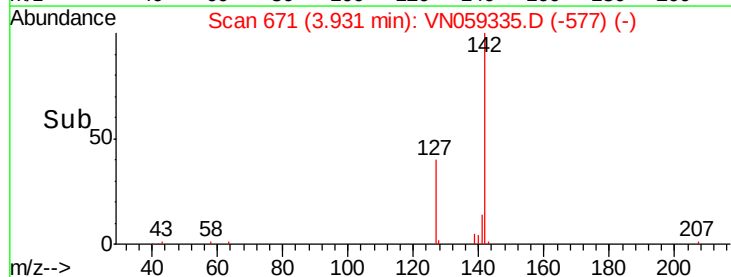
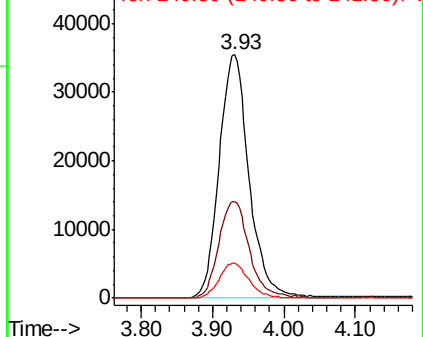
141 14.1 11.2 16.8

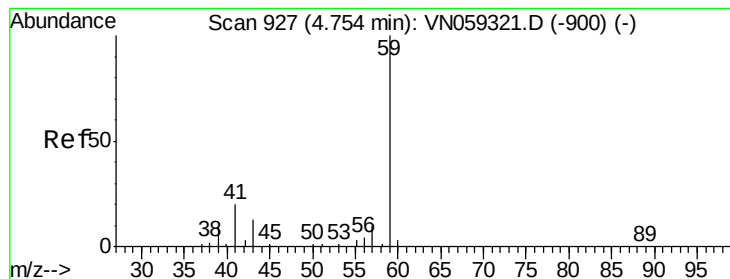


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



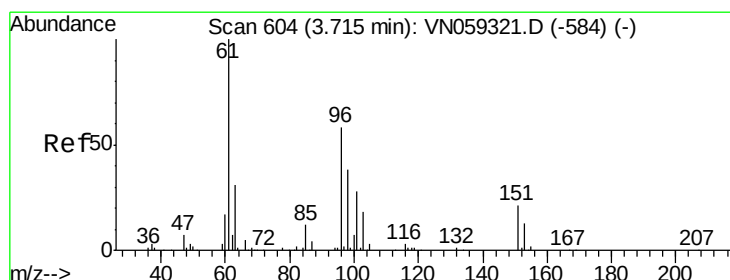
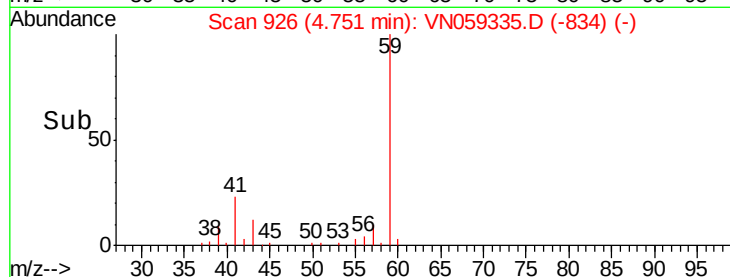
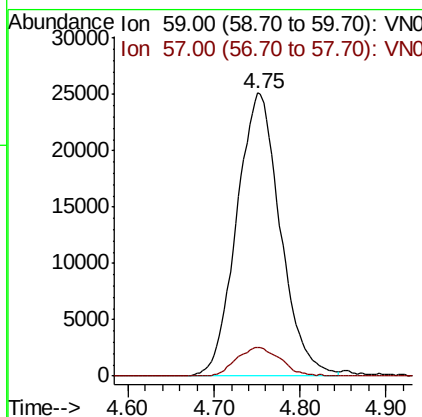
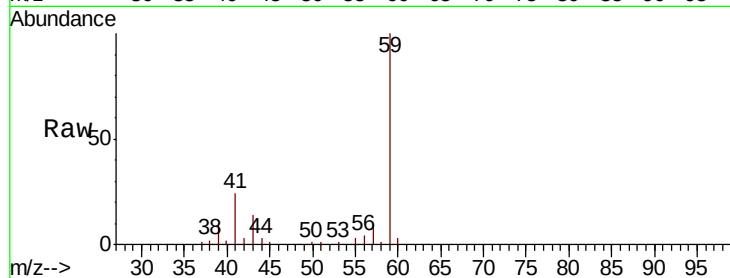


#11

Tert butyl alcohol
 Concen: 91.066 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Instrument :
 MSVOA_N
 ClientSampled :

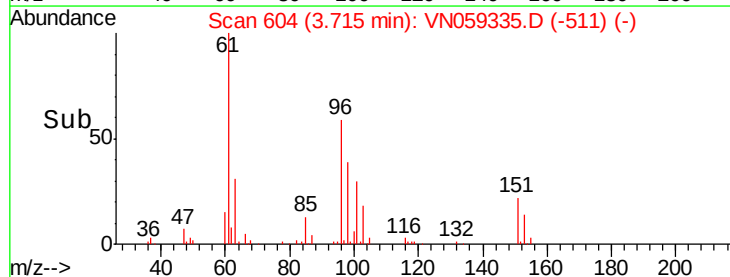
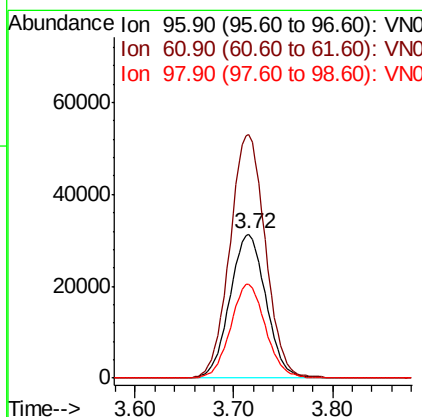
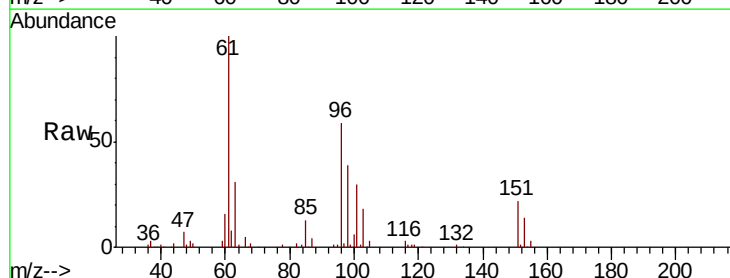
Tot Ion: 59 Resp: 88568
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

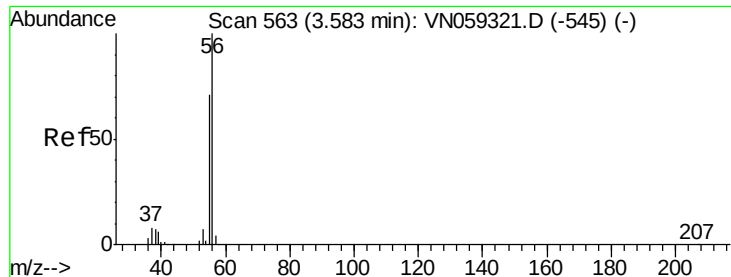


#12

1,1-Dichloroethene
 Concen: 18.252 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion: 96 Resp: 79752
 Ion Ratio Lower Upper
 96 100
 61 169.2 136.8 205.2
 98 65.5 51.6 77.4





#13

Acrolein

Concen: 92.449 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

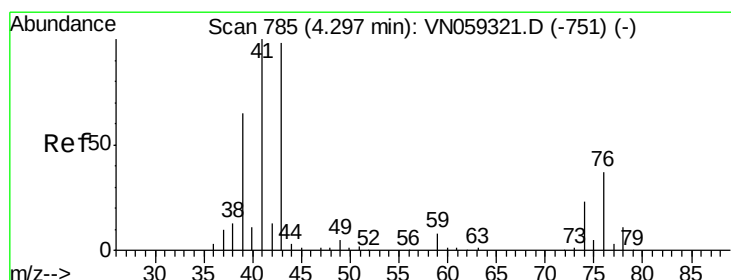
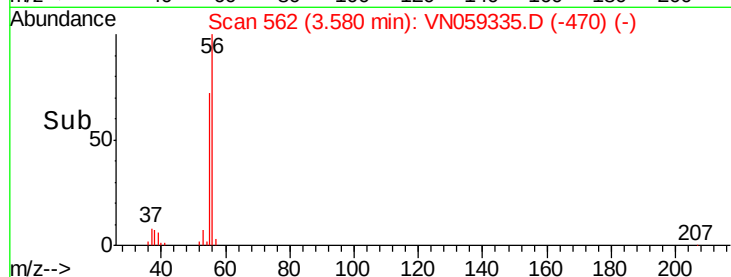
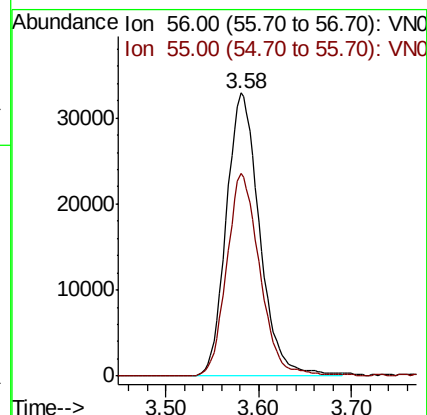
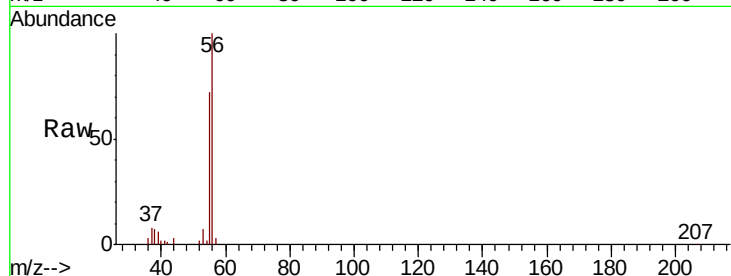
ClientSampleId :

Tot Ion: 56 Resp: 82077

Ion Ratio Lower Upper

56 100

55 70.8 57.4 86.0



#14

Allyl chloride

Concen: 18.218 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

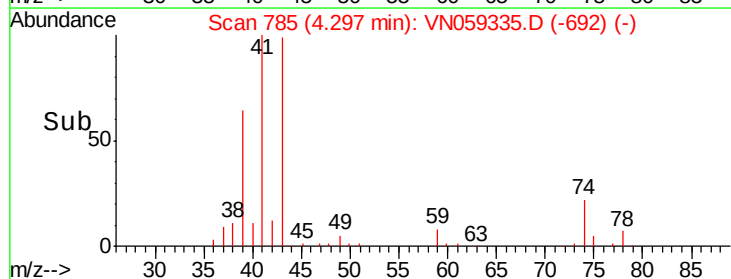
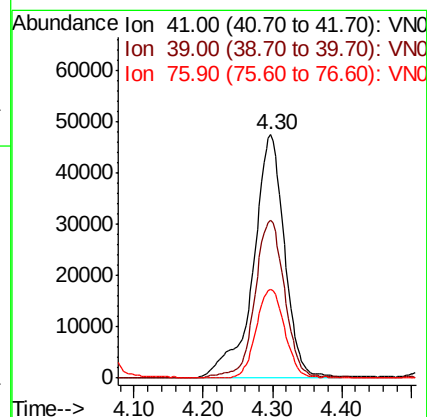
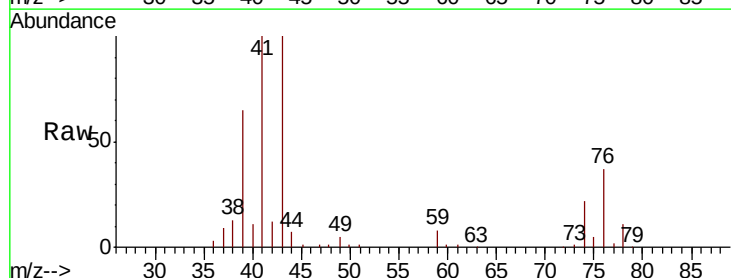
Tgt Ion: 41 Resp: 148708

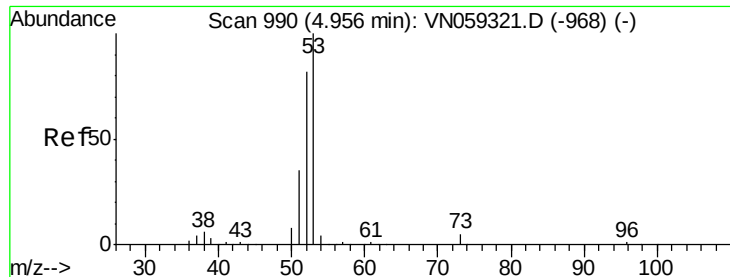
Ion Ratio Lower Upper

41 100

39 61.6 48.4 72.6

76 33.2 26.2 39.4





#15

Acrylonitrile

Concen: 93.722 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

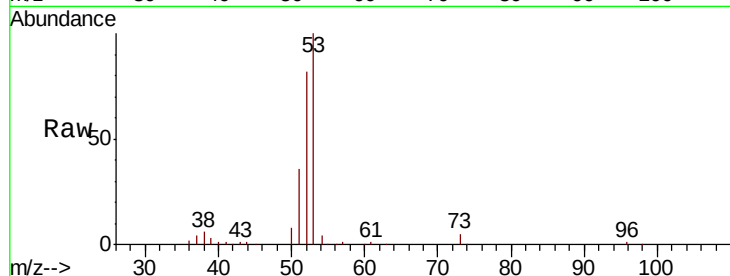
Tot Ion: 53 Resp: 241004

Ion Ratio Lower Upper

53 100

52 81.5 65.8 98.8

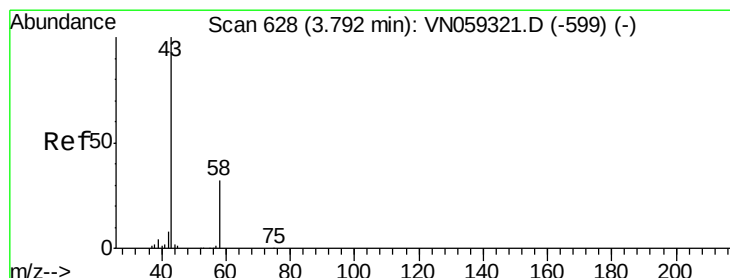
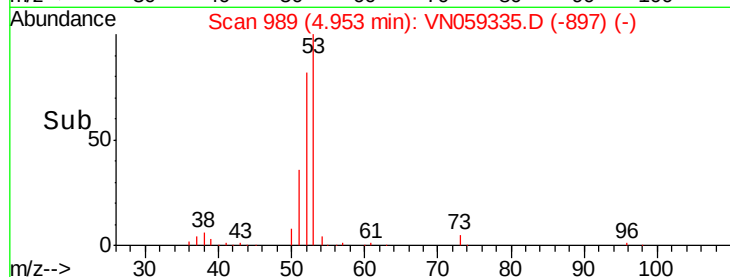
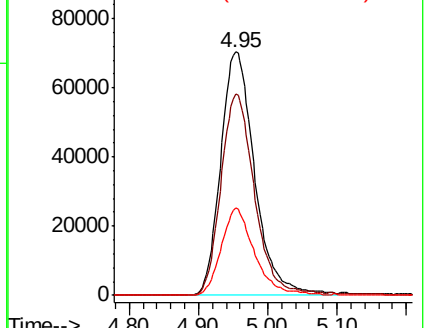
51 35.2 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN059321.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN059321.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN059321.D (-968) (-)



#16

Acetone

Concen: 95.364 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059335.D

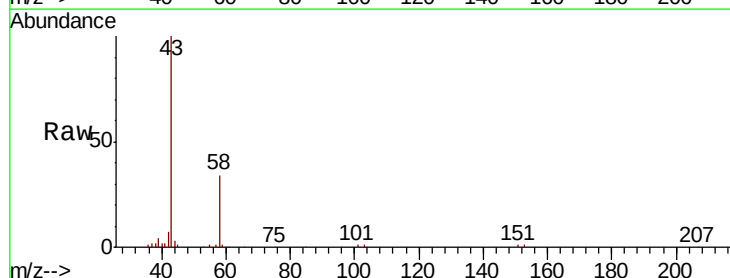
Acq: 21 Nov 2019 15:06

Tgt Ion: 43 Resp: 207711

Ion Ratio Lower Upper

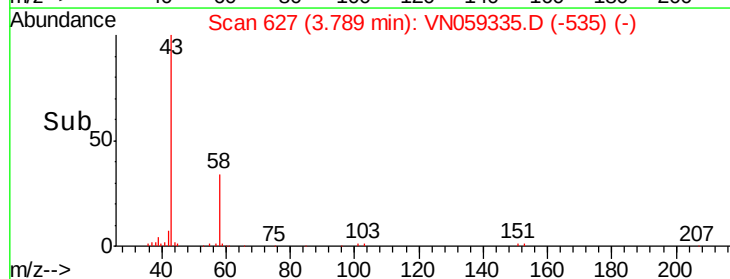
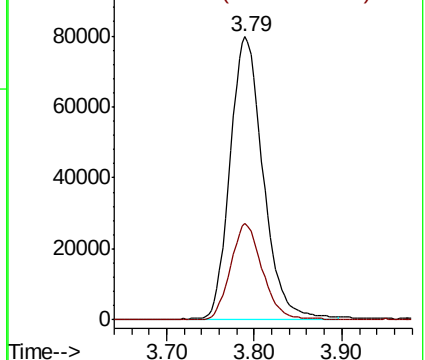
43 100

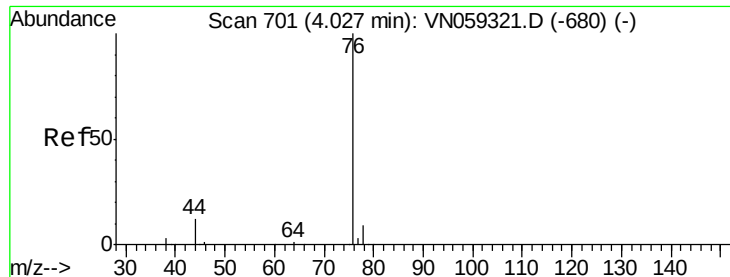
58 34.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-599) (-)

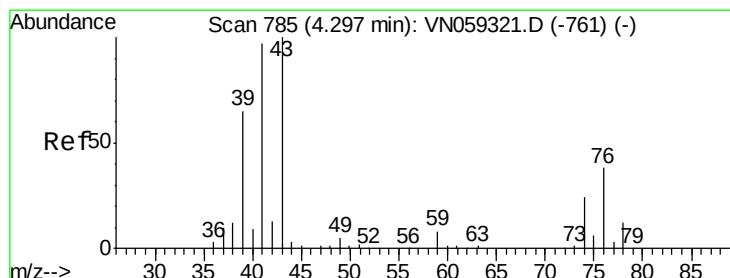
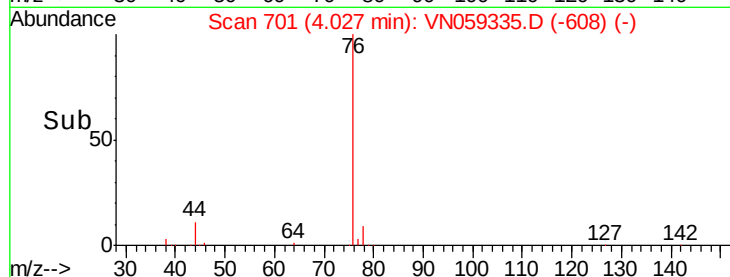
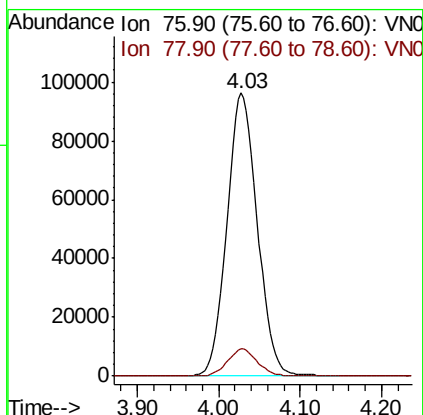
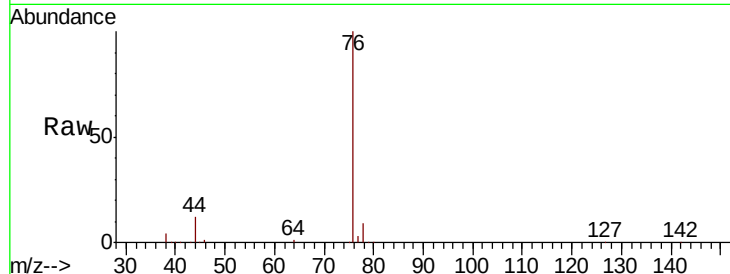




#17
Carbon Disulfide
Concen: 18.427 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

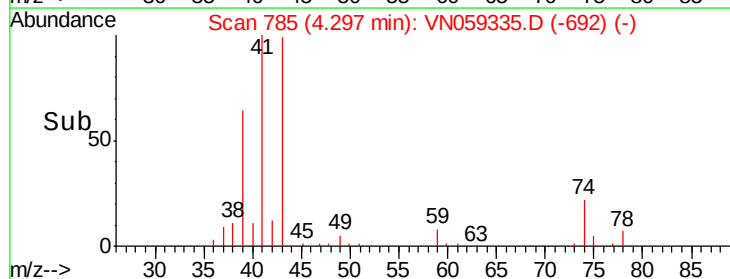
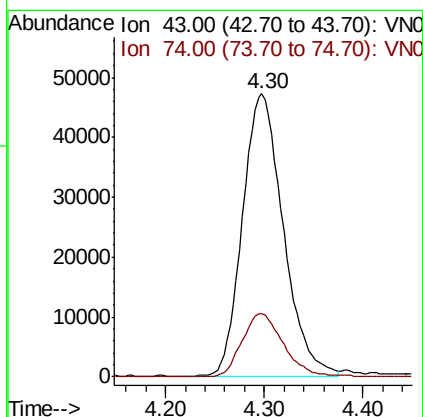
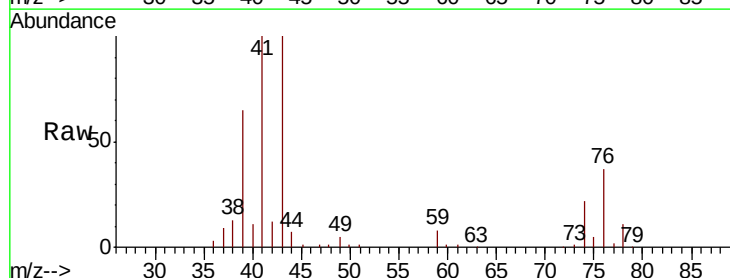
Instrument :
MSVOA_N
ClientSampled :

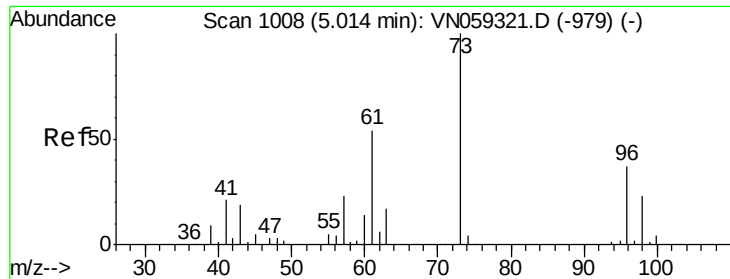
Tot Ion: 76 Resp: 251128
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 18.796 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 43 Resp: 135863
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1

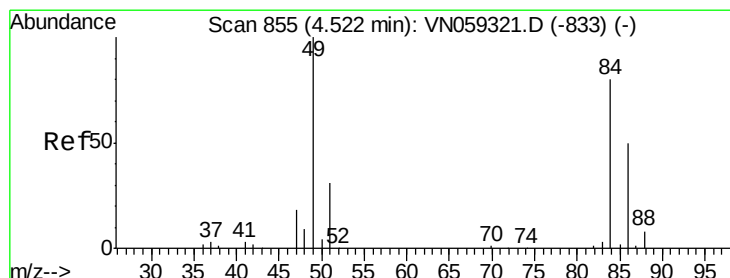
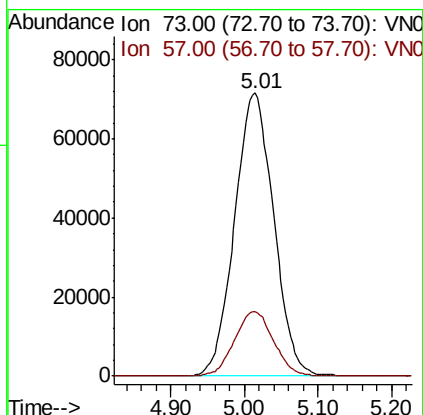
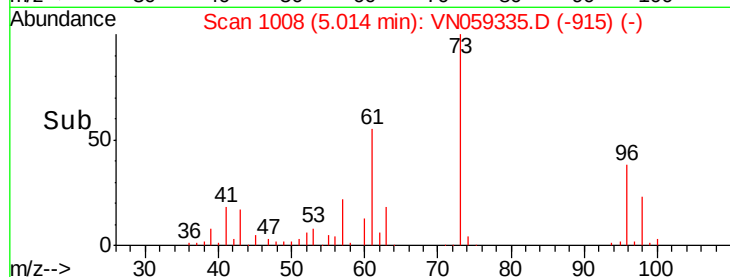
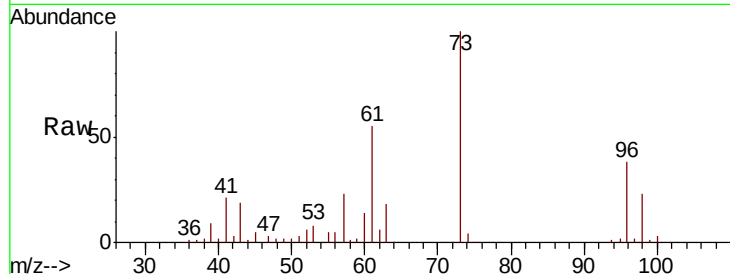




#19
Methyl tert-butyl Ether
Concen: 18.754 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

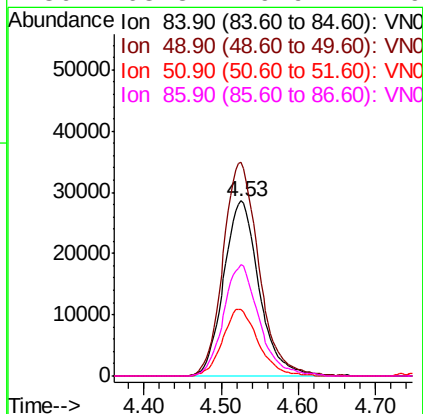
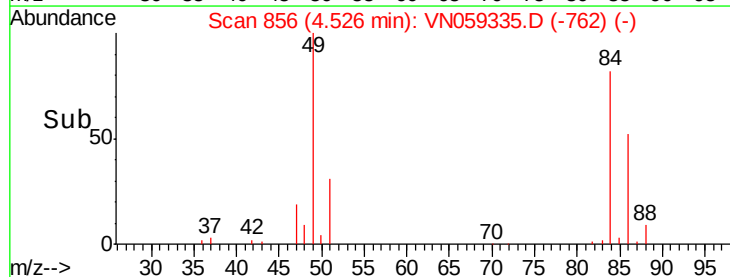
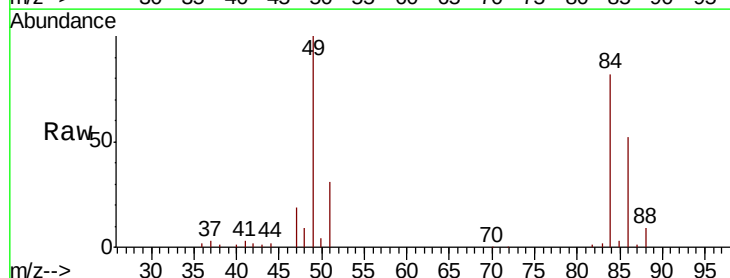
Instrument :
MSVOA_N
ClientSampled :

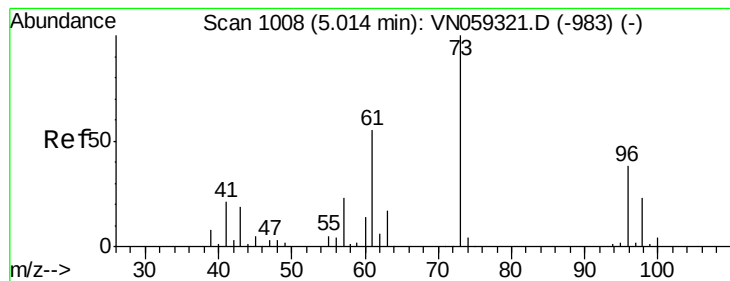
Tot Ion: 73 Resp: 264680
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 18.492 ug/l
RT: 4.53 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 84 Resp: 90838
Ion Ratio Lower Upper
84 100
49 121.9 99.5 149.3
51 37.7 31.1 46.7
86 63.3 49.9 74.9



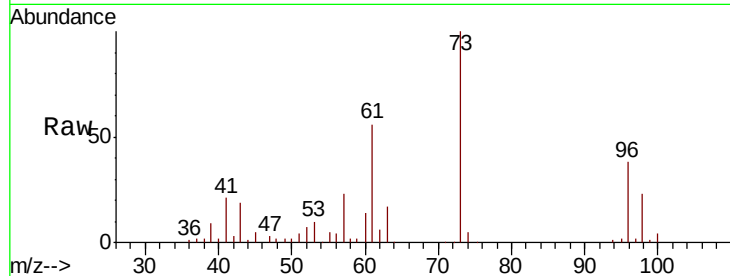


#21

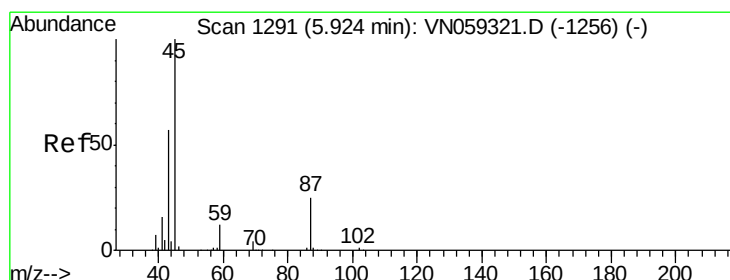
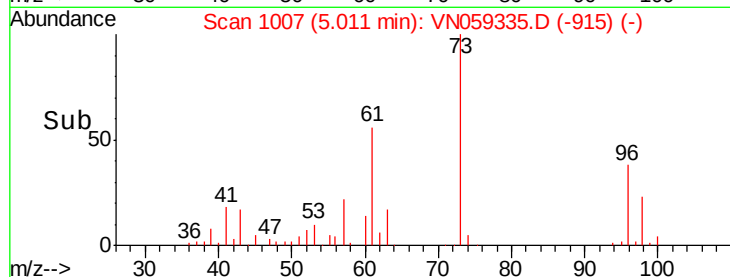
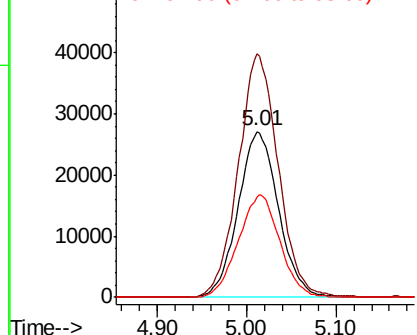
trans-1,2-Dichloroethene
Concen: 18.434 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 85367
Ion Ratio Lower Upper
96 100
61 146.9 116.4 174.6
98 60.3 49.6 74.4



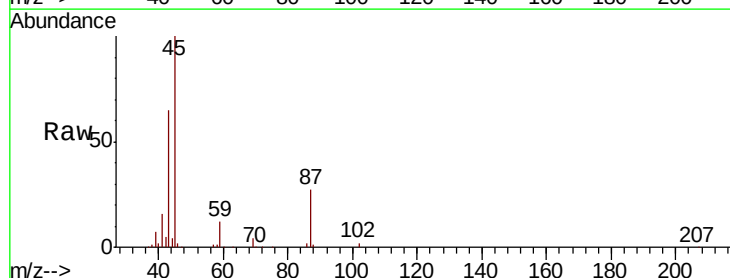
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



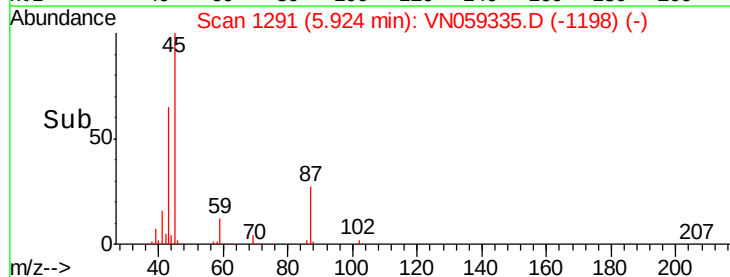
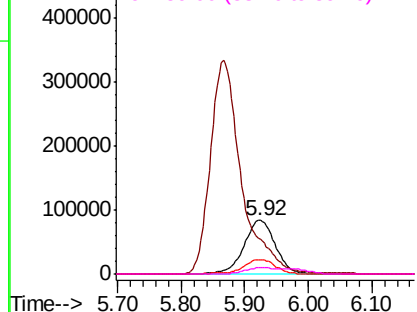
#22

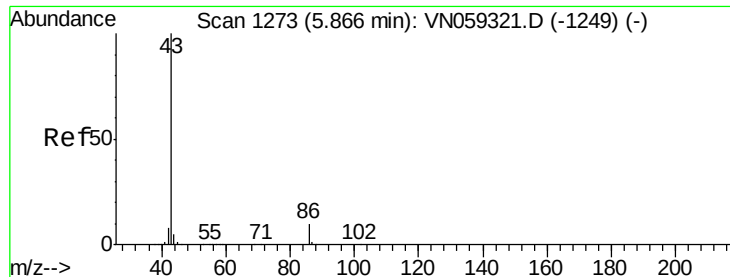
Diisopropyl ether
Concen: 18.639 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 45 Resp: 286468
Ion Ratio Lower Upper
45 100
43 63.4 47.6 71.4
87 26.7 20.7 31.1
59 11.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.117 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

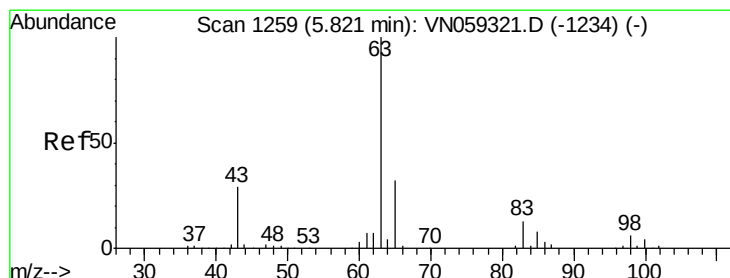
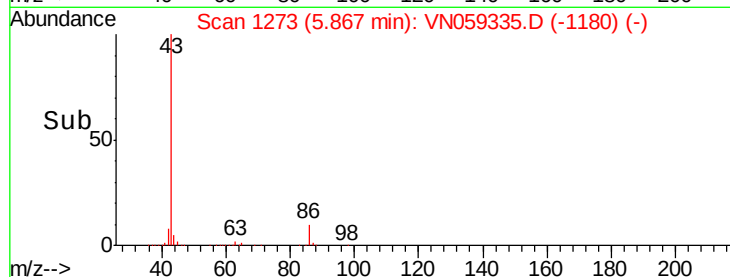
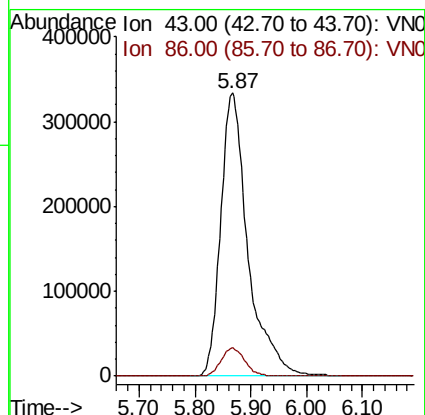
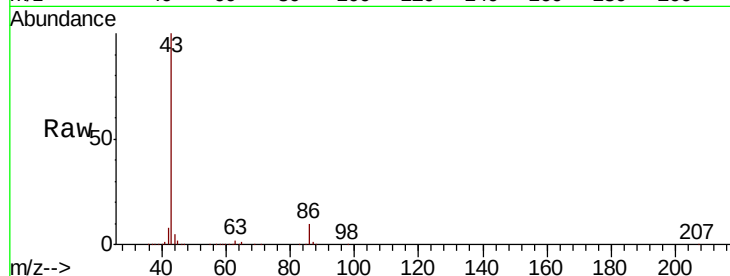
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1137493

Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0



#24

1,1-Dichloroethane

Concen: 18.868 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

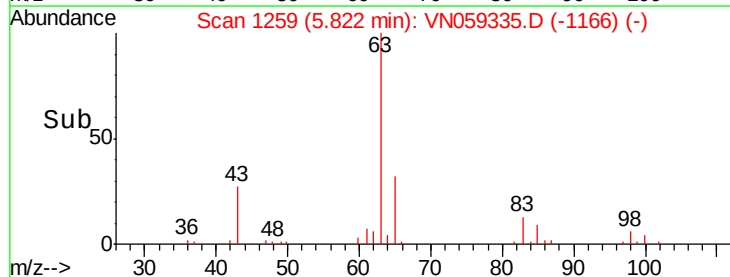
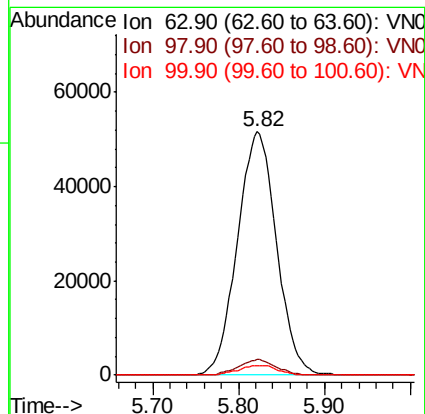
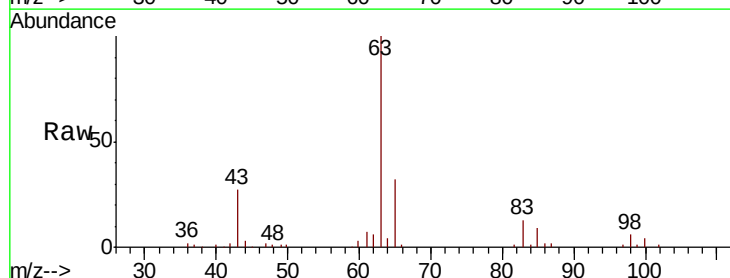
Tgt Ion: 63 Resp: 163222

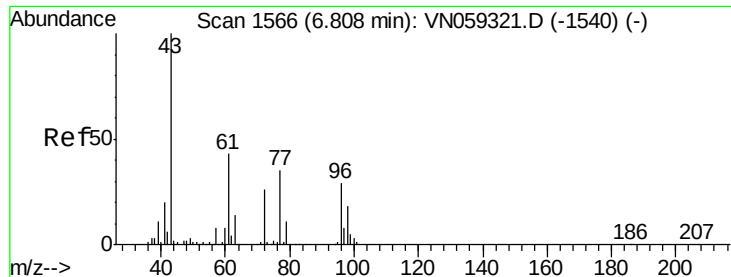
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.7 1.9 5.7

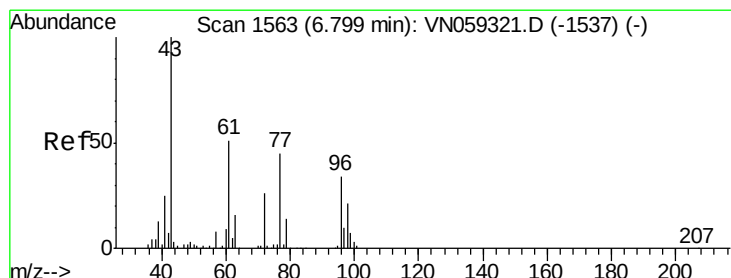
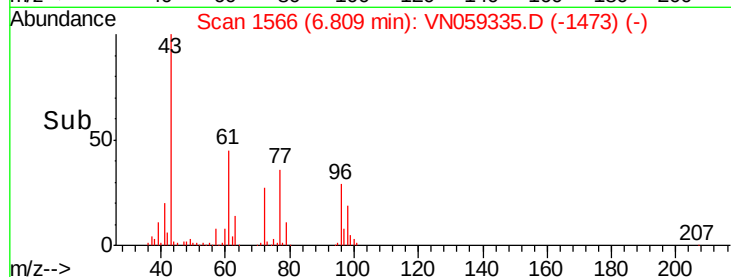
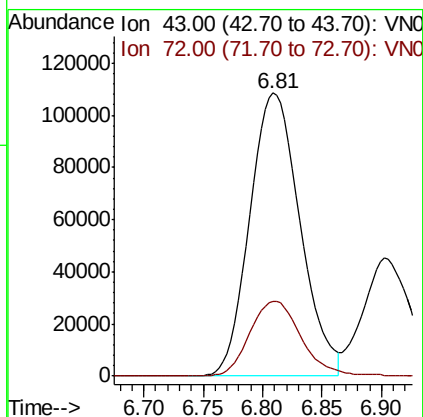
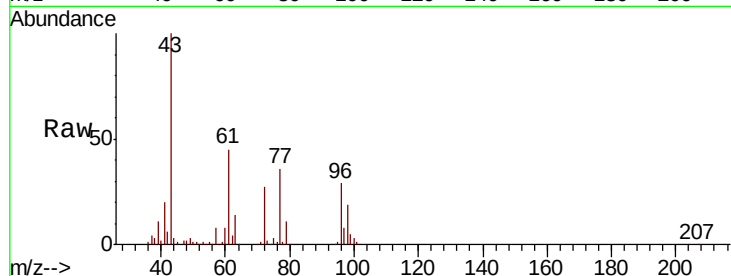




#25
 2-Butanone
 Concen: 94.031 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

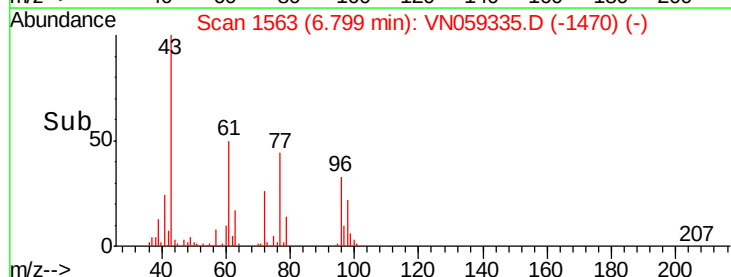
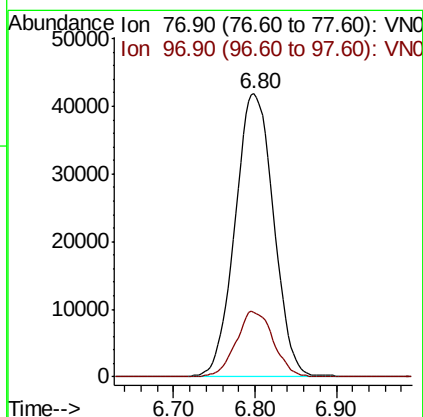
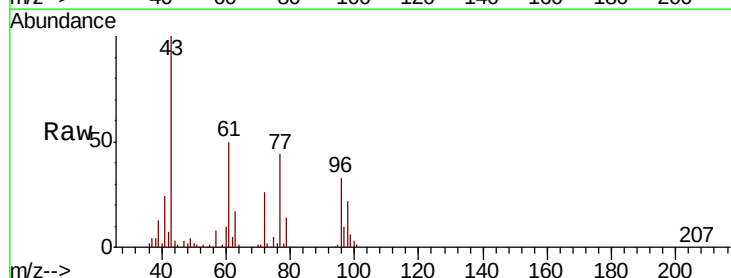
Instrument :
 MSVOA_N
 ClientSampled :

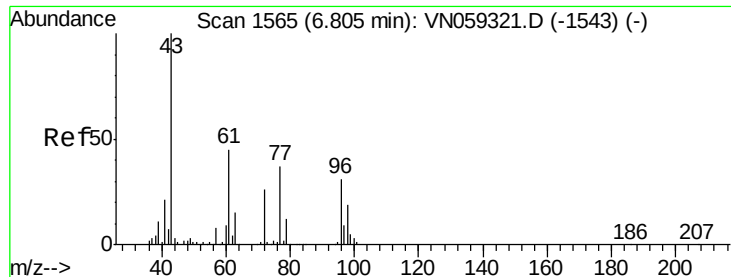
Tot Ion: 43 Resp: 318472
 Ion Ratio Lower Upper
 43 100
 72 26.5 20.5 30.7



#26
 2,2-Dichloropropane
 Concen: 18.302 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion: 77 Resp: 137098
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 18.313 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampleId :

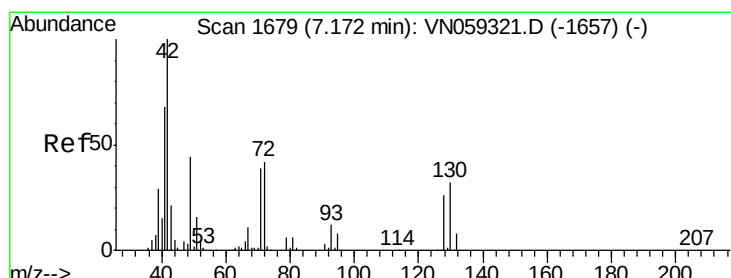
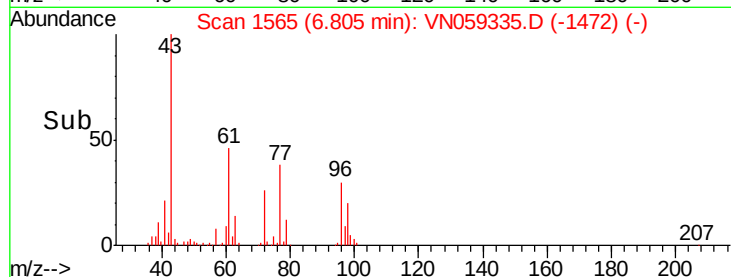
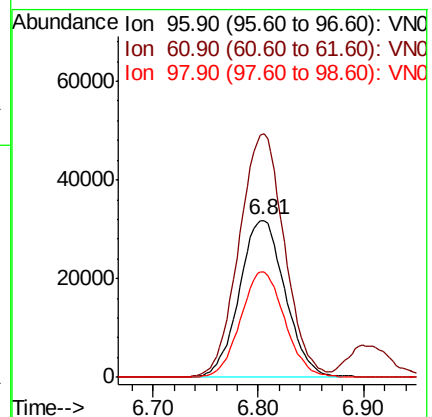
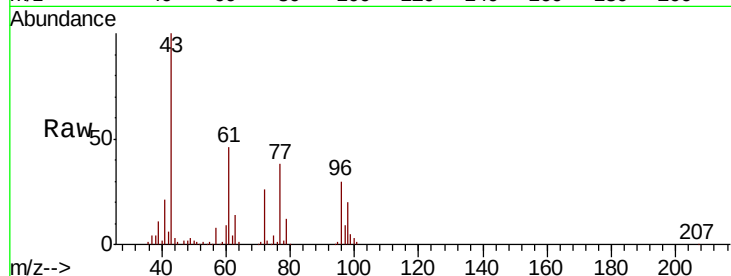
Tot Ion: 96 Resp: 95683

Ion Ratio Lower Upper

96 100

61 154.2 0.0 304.0

98 65.1 0.0 128.4



#28

Bromochloromethane

Concen: 20.070 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

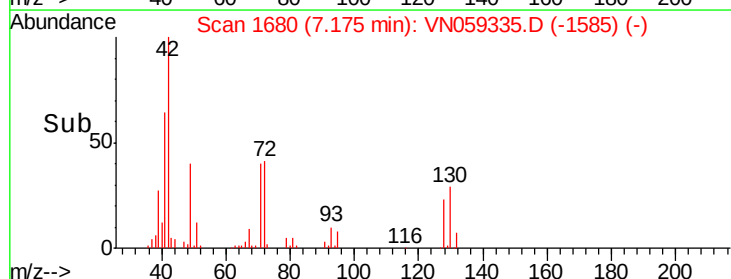
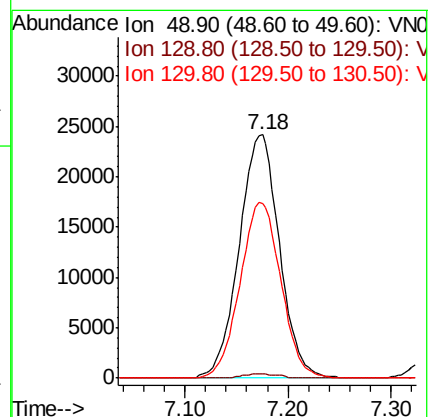
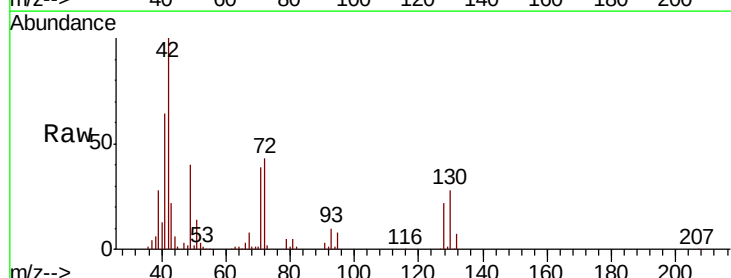
Tgt Ion: 49 Resp: 65519

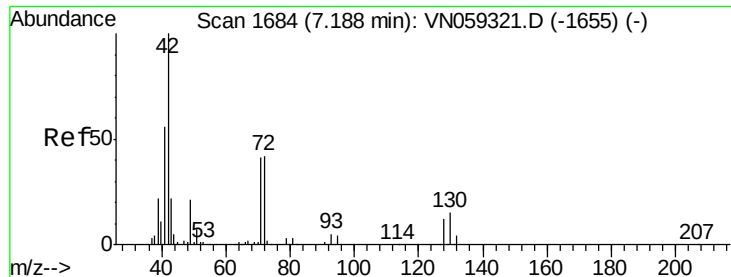
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

130 73.3 57.0 85.6

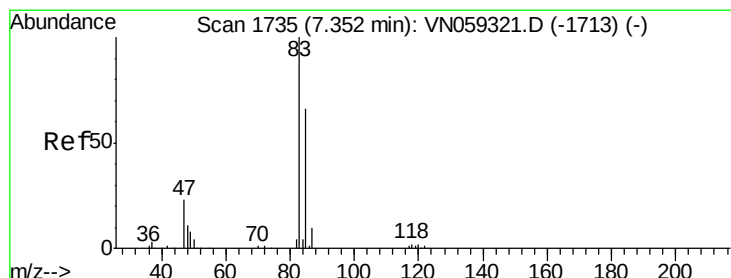
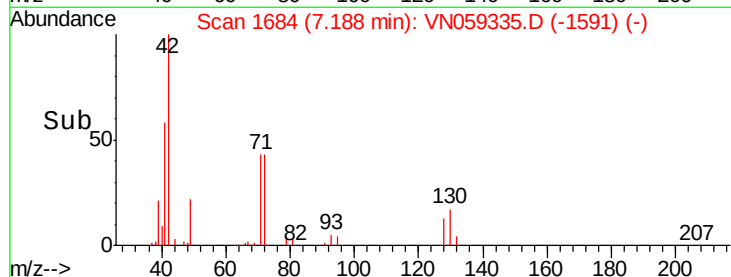
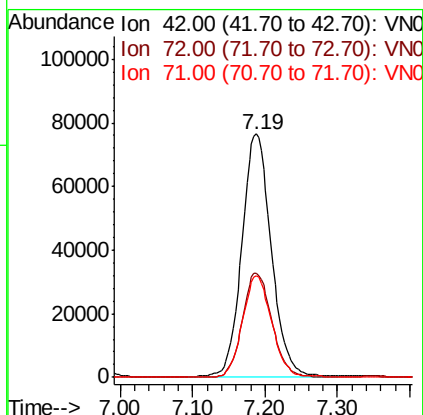
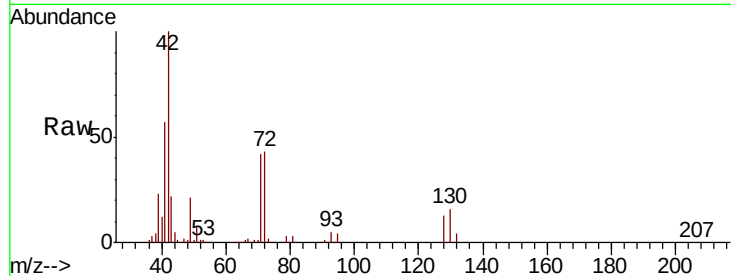




#29
Tetrahydrofuran
Concen: 93.001 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

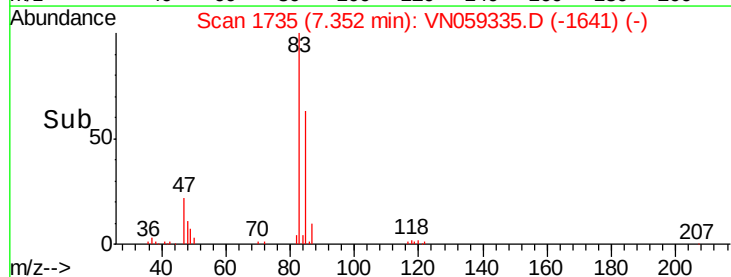
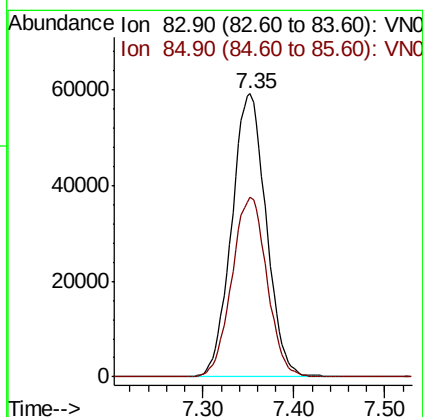
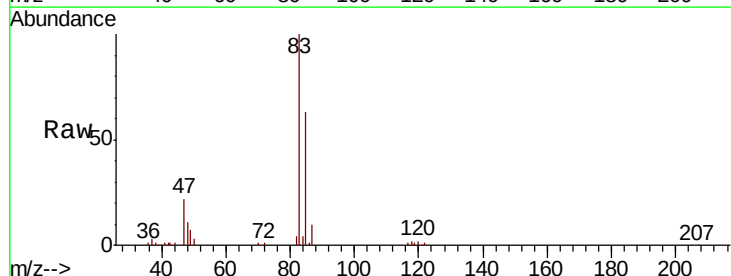
Instrument :
MSVOA_N
ClientSampled :

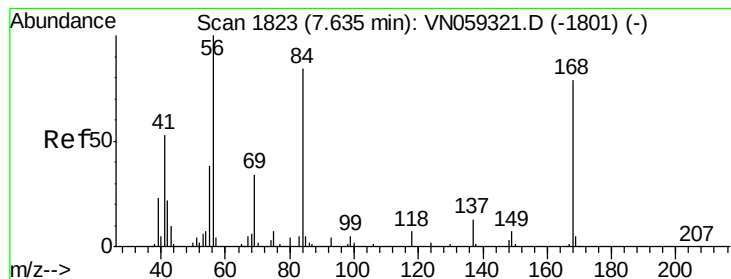
Tot Ion: 42 Resp: 217801
Ion Ratio Lower Upper
42 100
72 42.6 34.2 51.2
71 41.1 32.6 48.8



#30
Chloroform
Concen: 18.485 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 83 Resp: 155903
Ion Ratio Lower Upper
83 100
85 63.3 52.7 79.1





#31

Cyclohexane

Concen: 18.246 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampleId :

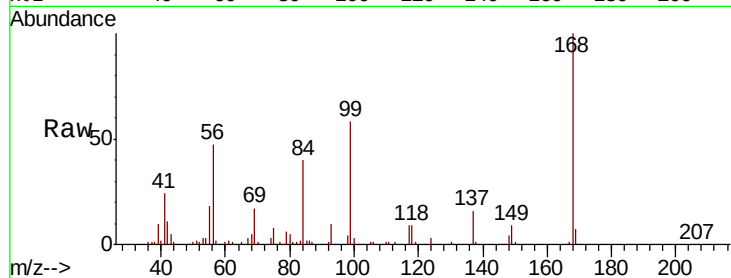
Tot Ion: 56 Resp: 156063

Ion Ratio Lower Upper

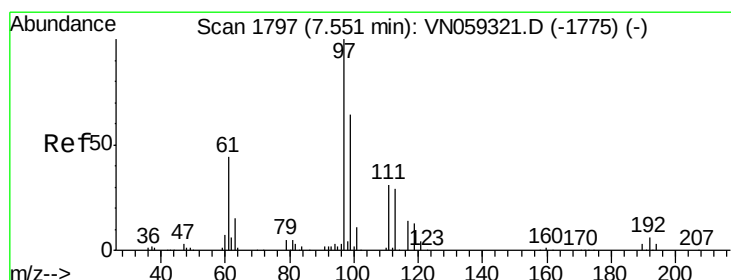
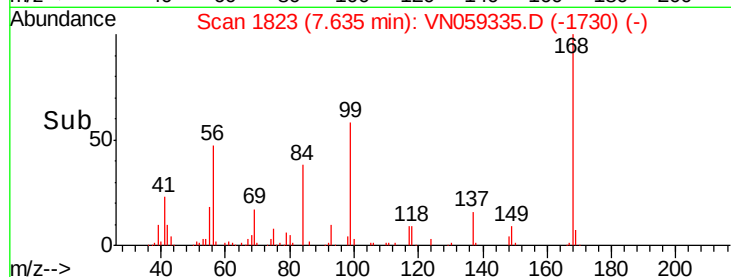
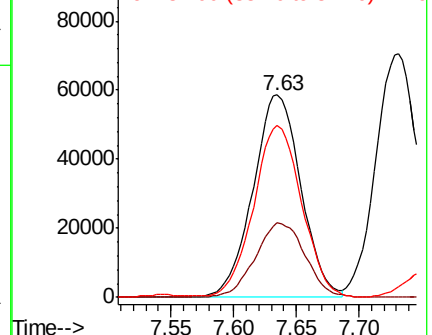
56 100

69 36.6 26.6 40.0

84 84.0 67.0 100.4



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.300 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

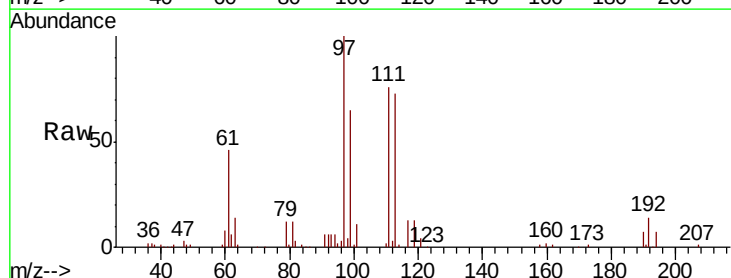
Tgt Ion: 97 Resp: 131994

Ion Ratio Lower Upper

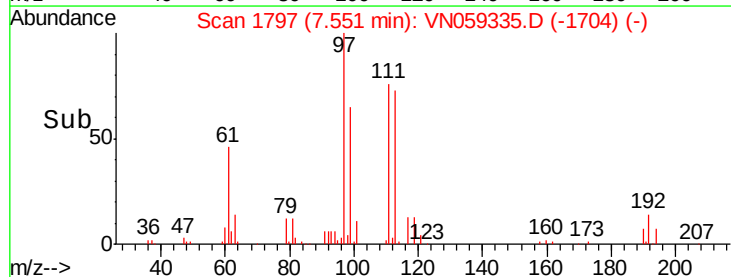
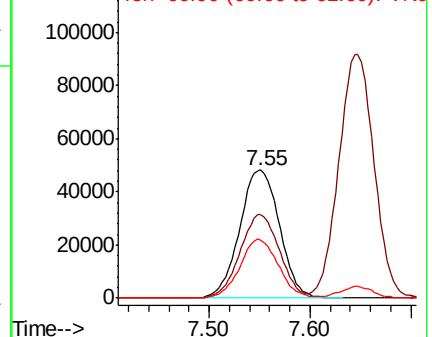
97 100

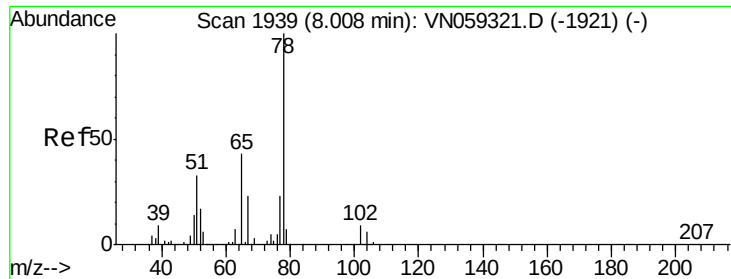
99 64.2 51.3 76.9

61 44.6 35.3 52.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

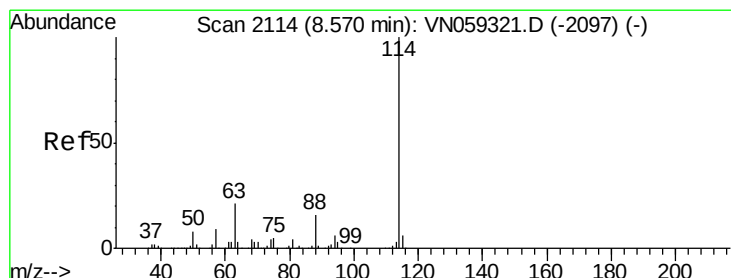
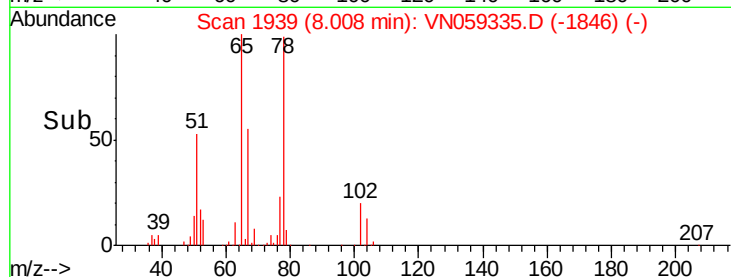
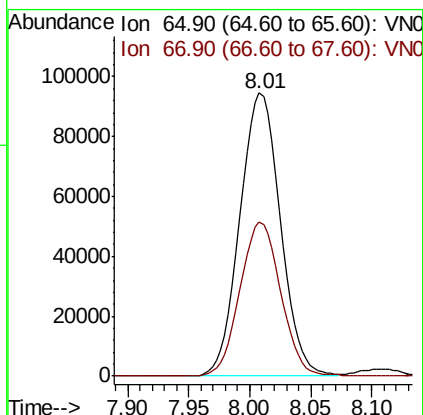
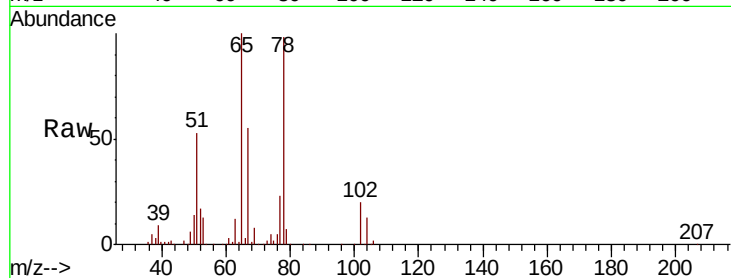




#33
 1,2-Dichloroethane-d4
 Concen: 44.770 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

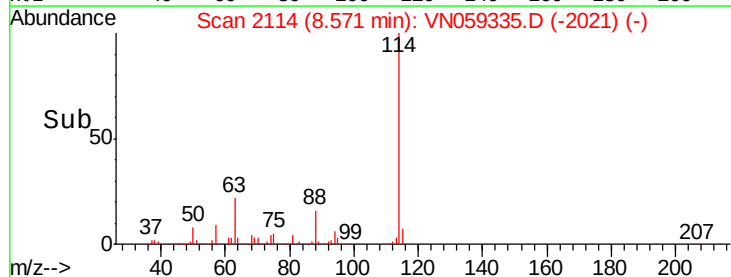
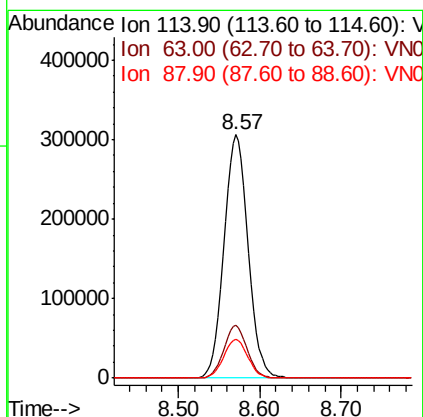
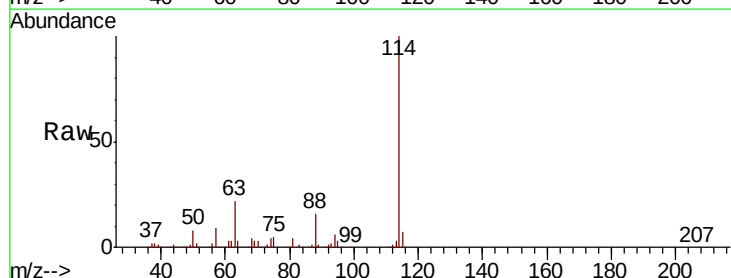
Instrument :
 MSVOA_N
 ClientSampled :

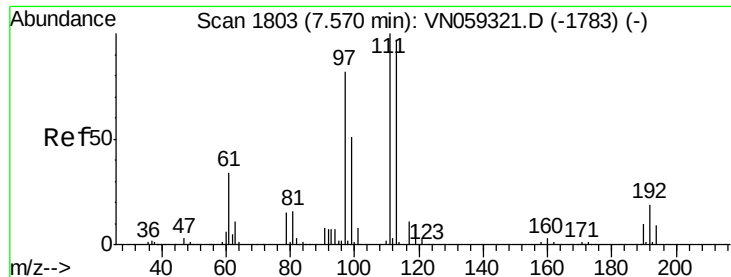
Tot Ion: 65 Resp: 217479
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion: 114 Resp: 640191
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.2
 88 15.9 0.0 32.2

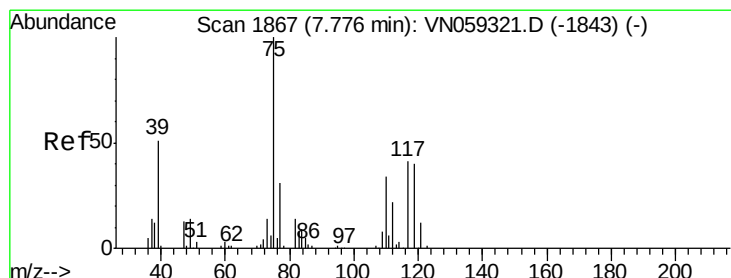
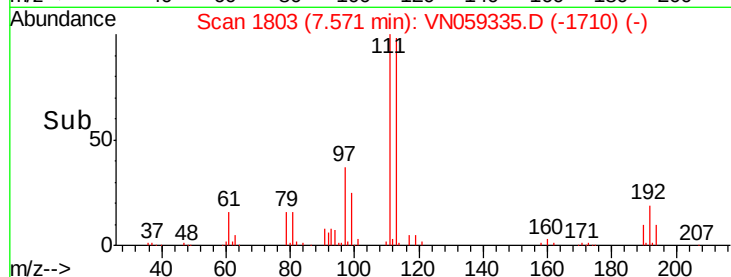
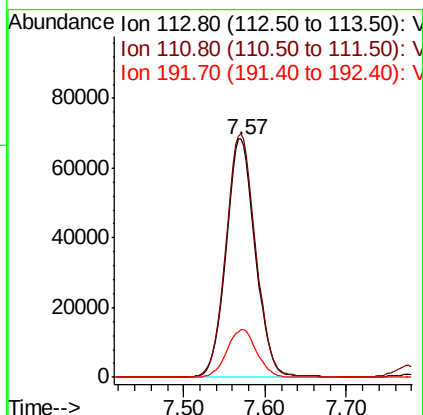
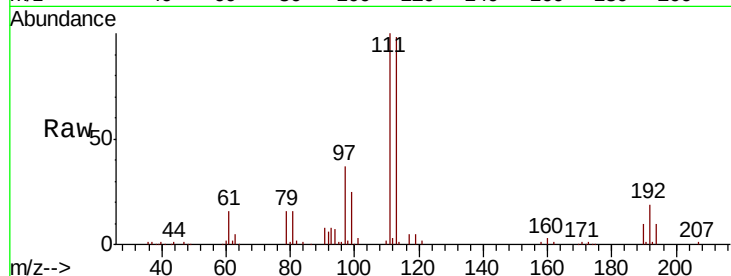




#35
 Dibromofluoromethane
 Concen: 44.799 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

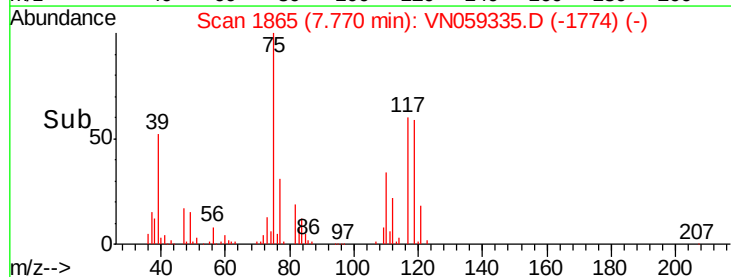
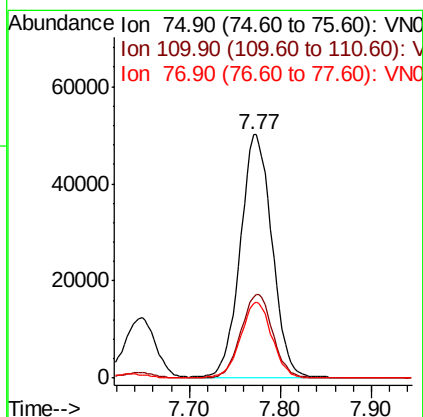
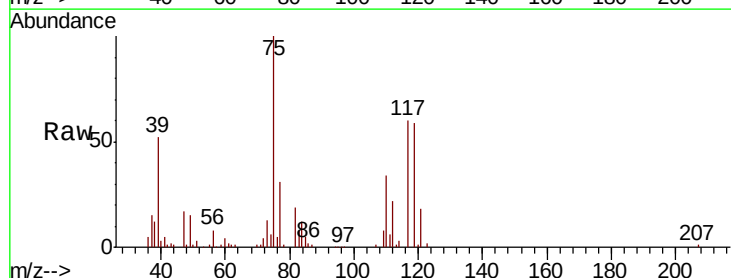
Instrument :
 MSVOA_N
 ClientSampleId :

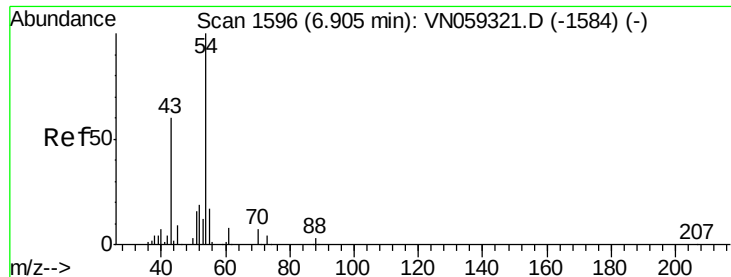
Tot Ion:113 Resp: 172064
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.4 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 18.448 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion: 75 Resp: 121921
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.0 51.0
 77 30.9 24.8 37.2

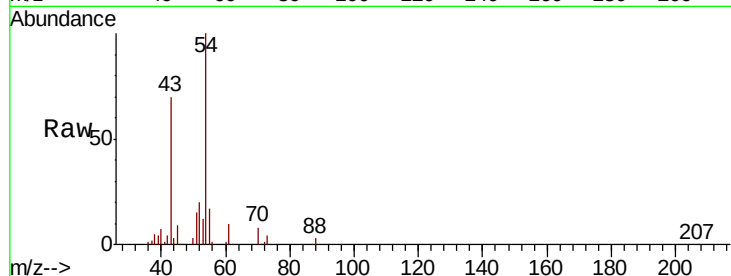




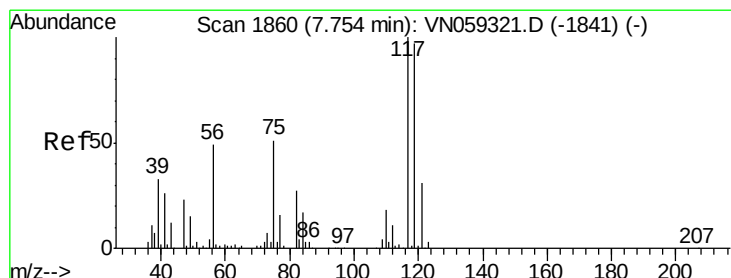
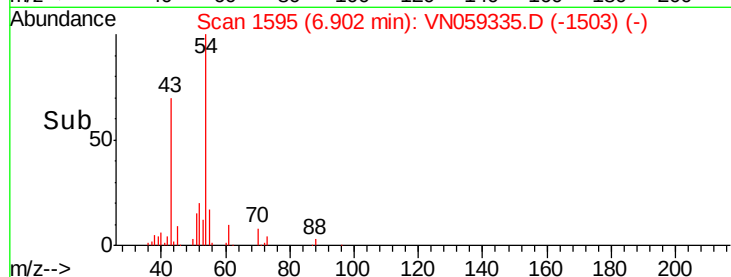
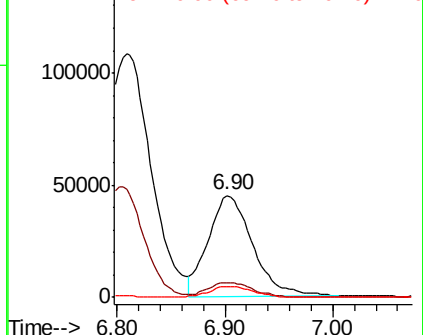
#37
Ethyl Acetate
Concen: 17.988 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 127768
Ion Ratio Lower Upper
43 100
61 14.4 11.0 16.6
70 11.0 8.8 13.2

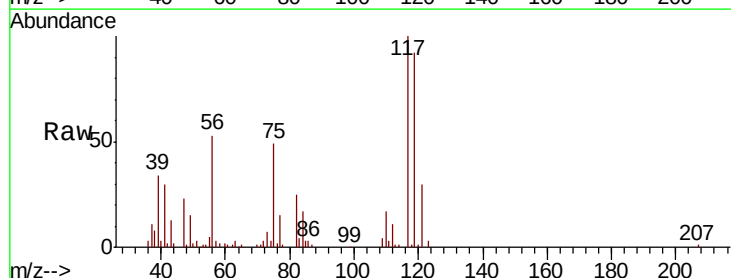


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

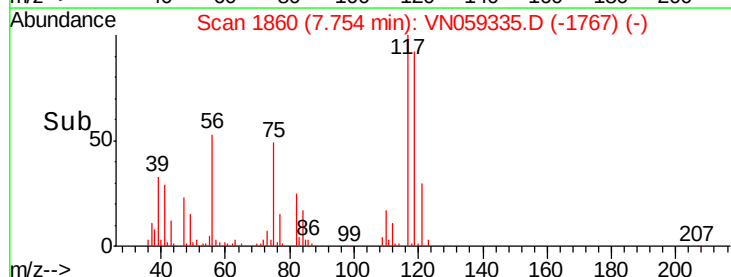
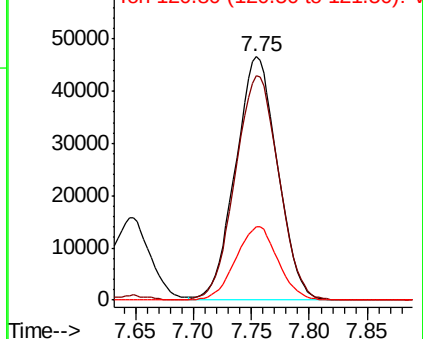


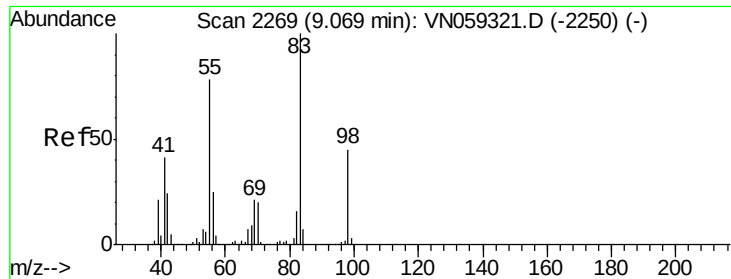
#38
Carbon Tetrachloride
Concen: 18.629 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 117 Resp: 117867
Ion Ratio Lower Upper
117 100
119 92.1 77.0 115.4
121 30.0 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

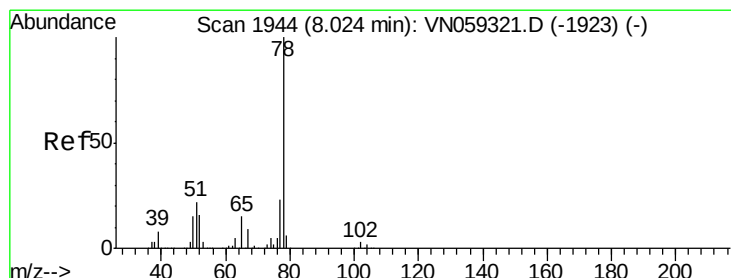
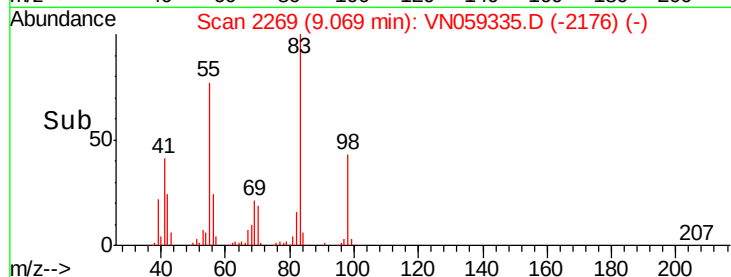
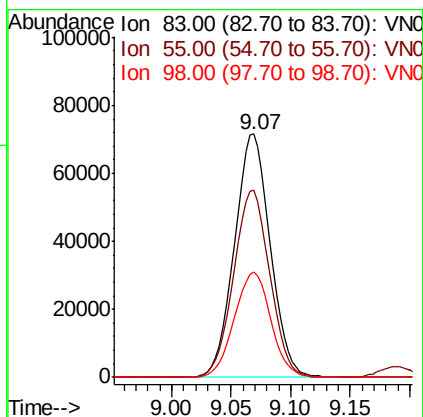
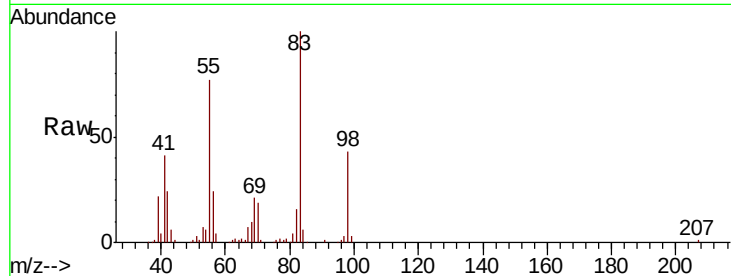




#39
Methylvlcyclohexane
Concen: 18.713 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

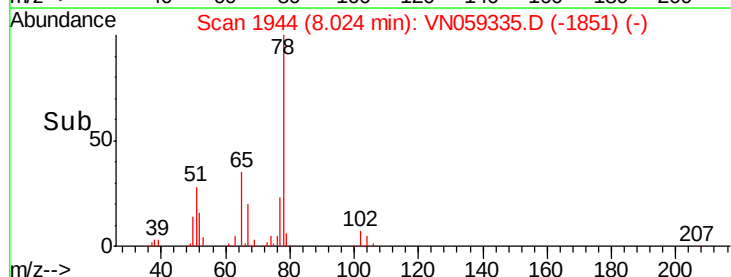
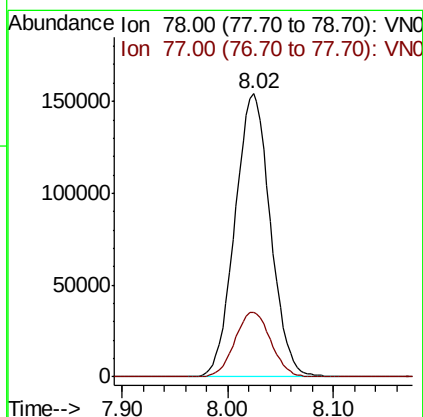
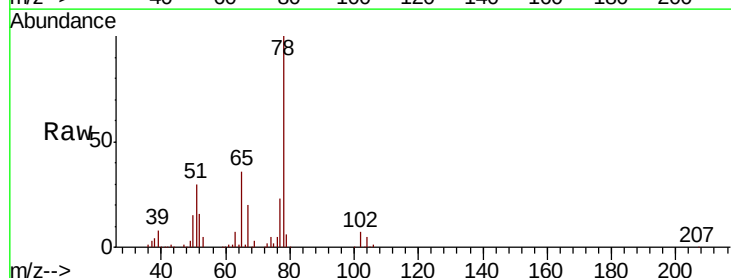
Instrument :
MSVOA_N
ClientSampled :

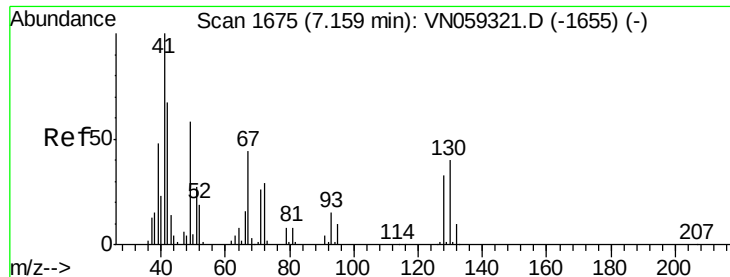
Tot Ion: 83 Resp: 149132
Ion Ratio Lower Upper
83 100
55 76.8 62.3 93.5
98 43.1 36.0 54.0



#40
Benzene
Concen: 18.559 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 78 Resp: 360000
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6

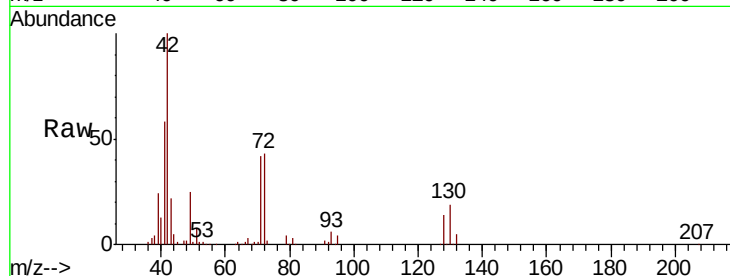




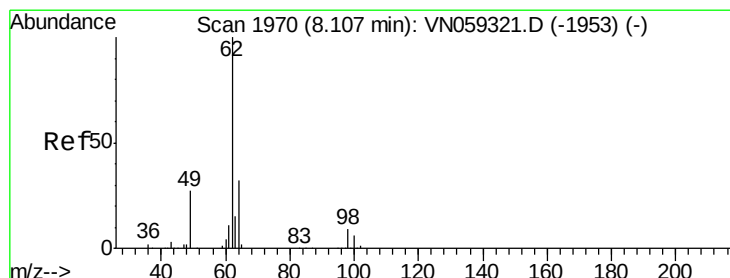
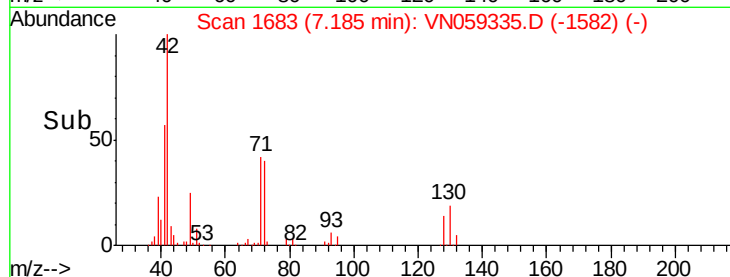
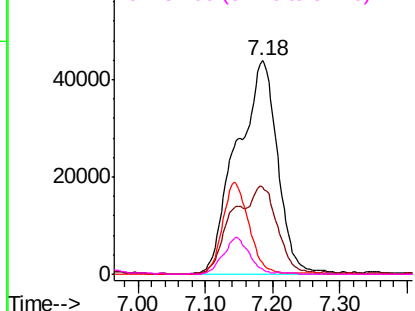
#41
Methacrylonitrile
Concen: 58.829 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	185497
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

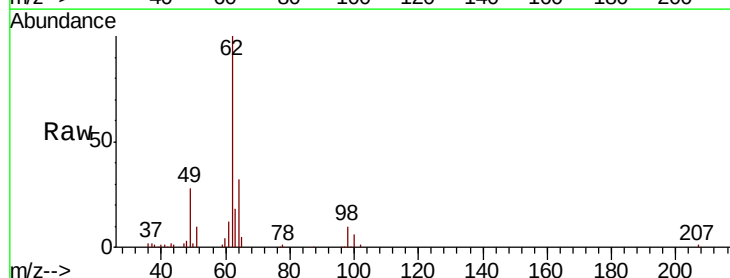


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

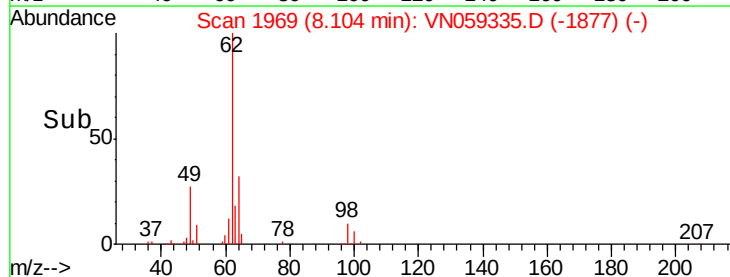
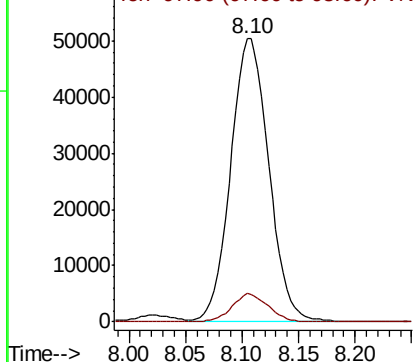


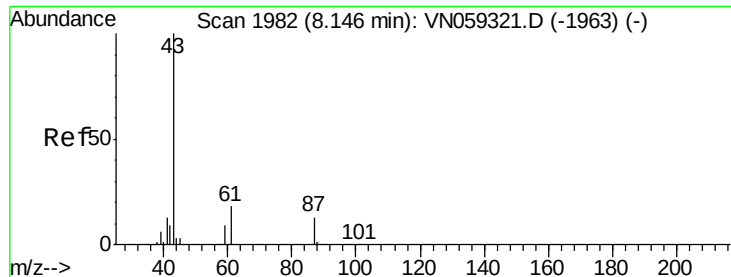
#42
1,2-Dichloroethane
Concen: 18.458 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion:	62	Resp:	118411
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.270 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

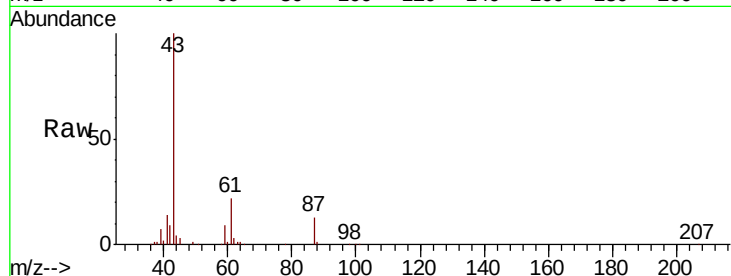
Tot Ion: 43 Resp: 198325

Ion Ratio Lower Upper

43 100

61 27.6 21.7 32.5

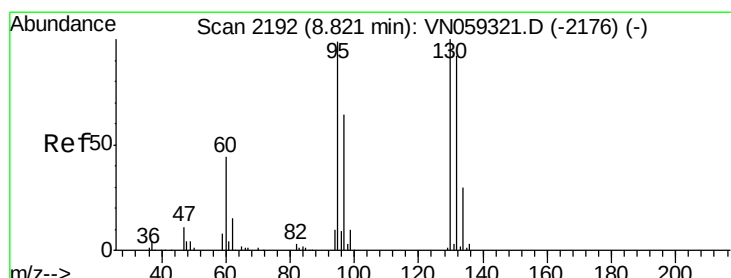
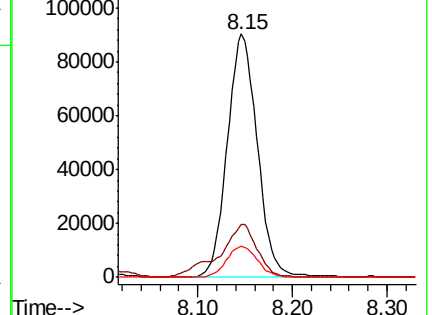
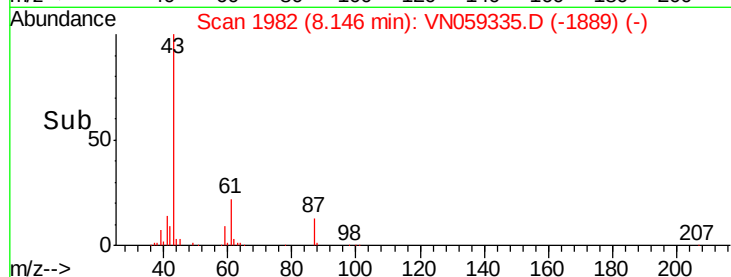
87 13.2 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059321.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059321.D (-1963) (-)



#44

Trichloroethene

Concen: 18.497 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059335.D

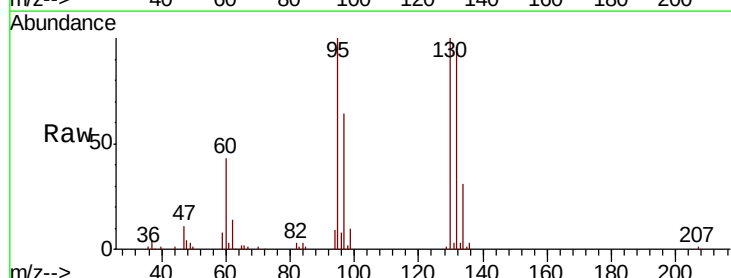
Acq: 21 Nov 2019 15:06

Tgt Ion:130 Resp: 90932

Ion Ratio Lower Upper

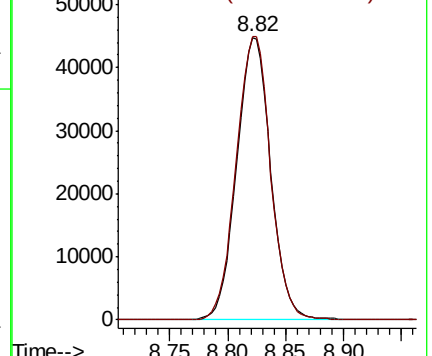
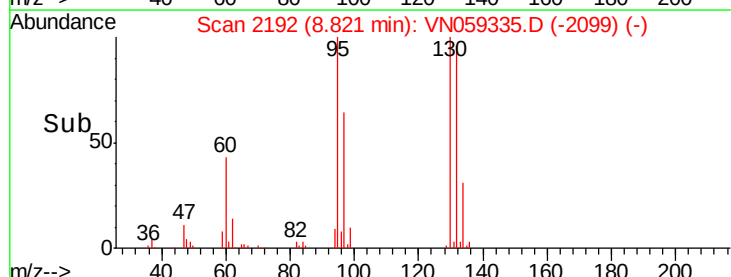
130 100

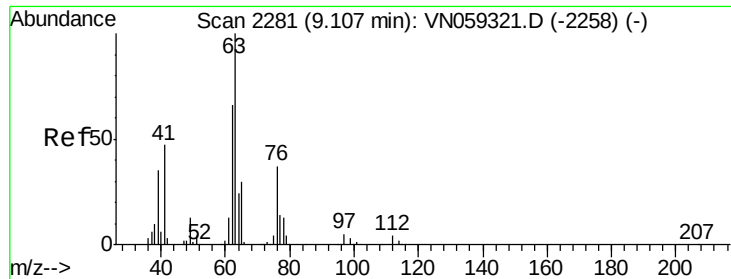
95 100.1 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): VN059321.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN059321.D (-2176) (-)

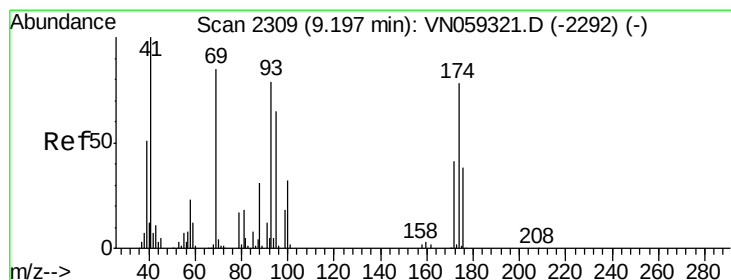
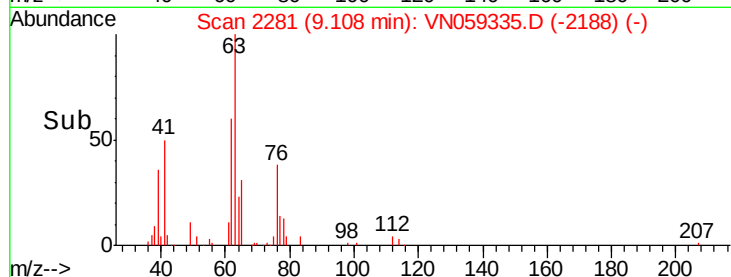
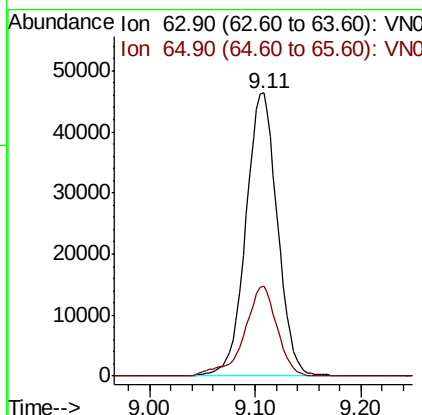
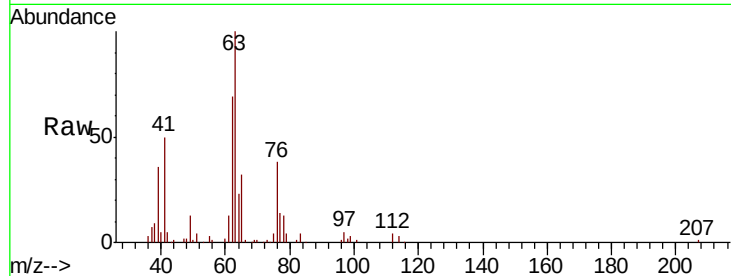




#45
 1,2-Dichloropropane
 Concen: 18.728 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

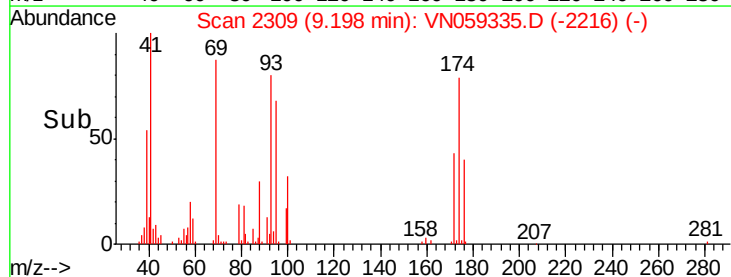
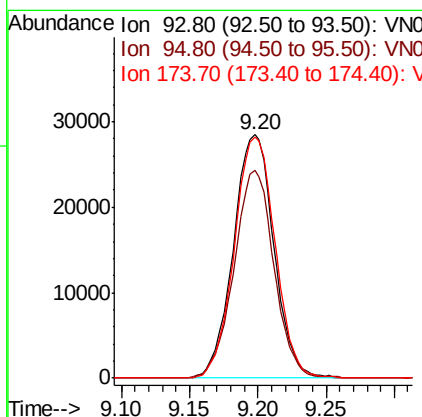
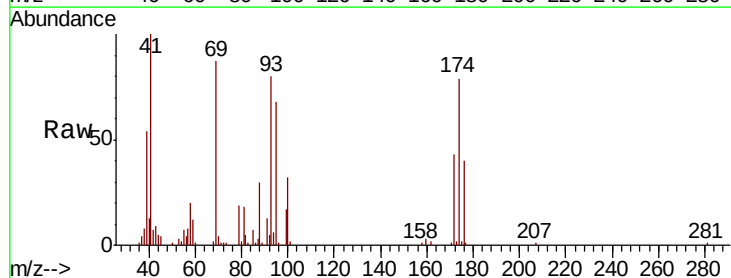
Instrument :
 MSVOA_N
 ClientSampled :

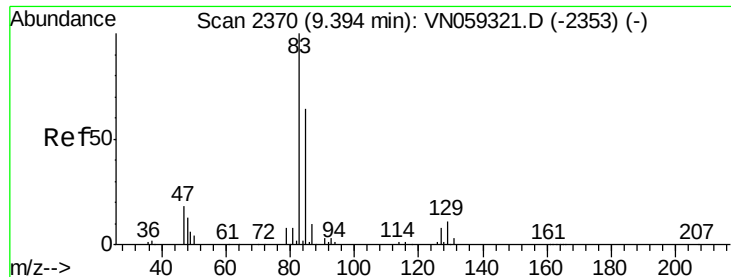
Tot Ion: 63 Resp: 96872
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.9 35.9



#46
 Dibromomethane
 Concen: 18.562 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion: 93 Resp: 58892
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.9 100.3
 174 99.3 80.6 120.8

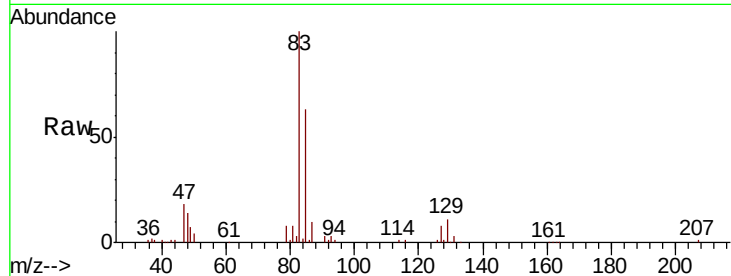




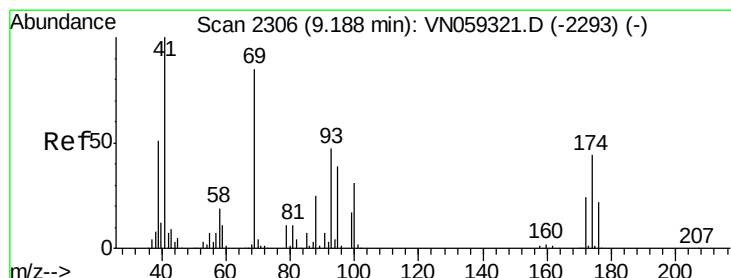
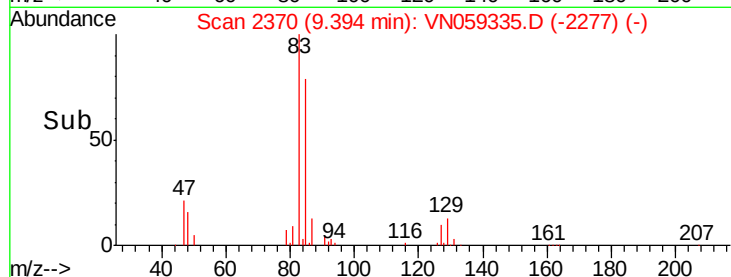
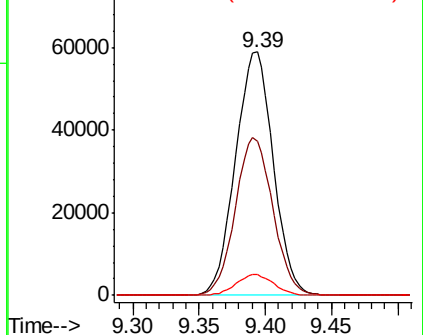
#47
Bromodichloromethane
Concen: 18.398 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 116902
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3
127 8.4 6.6 10.0

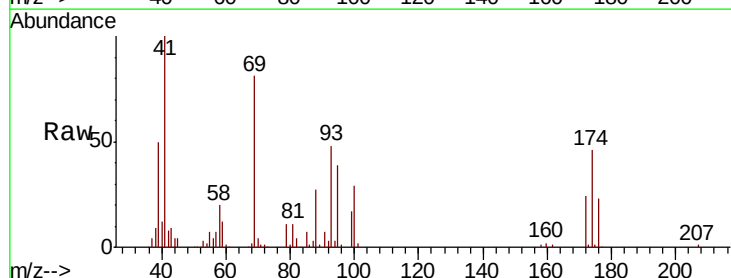


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

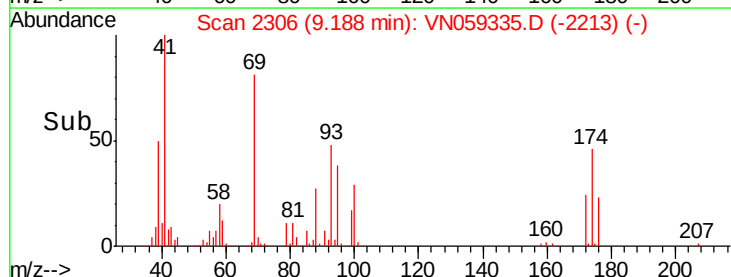
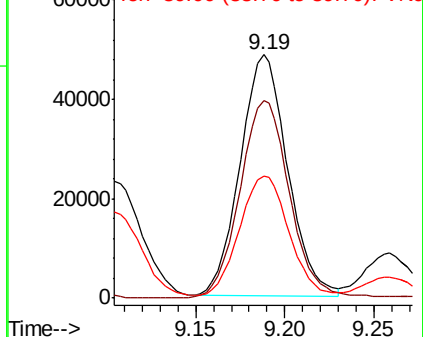


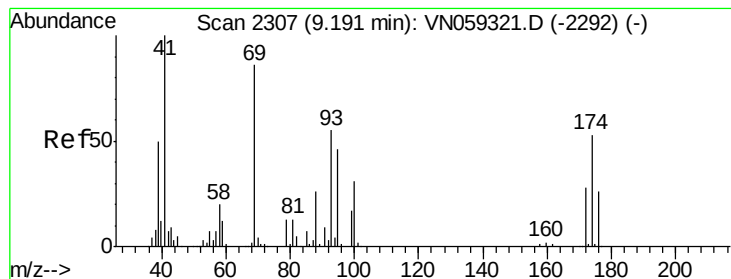
#48
Methyl methacrylate
Concen: 18.266 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 41 Resp: 90168
Ion Ratio Lower Upper
41 100
69 86.3 68.8 103.2
39 53.9 42.1 63.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 371.413 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :
MSVOA_N
ClientSampled :

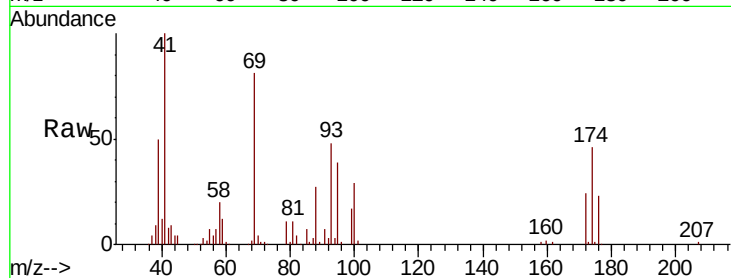
Tot Ion: 88 Resp: 27555

Ion Ratio Lower Upper

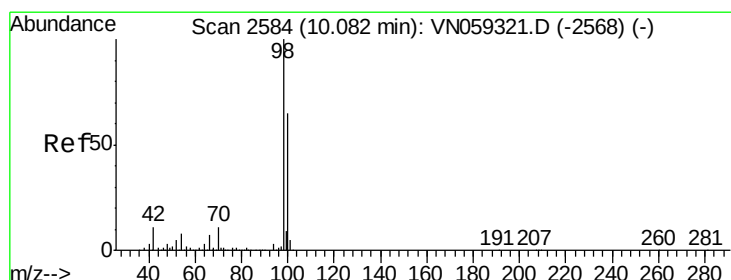
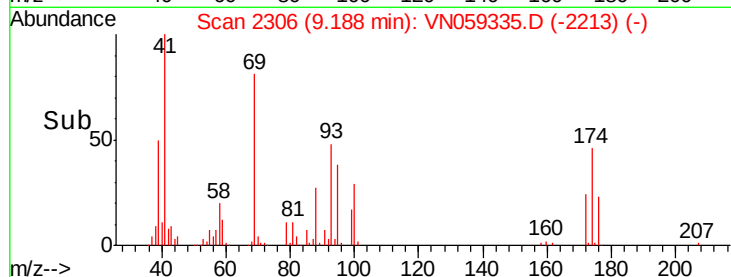
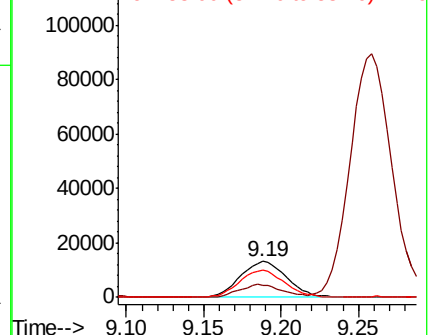
88 100

43 33.7 26.9 40.3

58 72.9 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 44.968 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059335.D

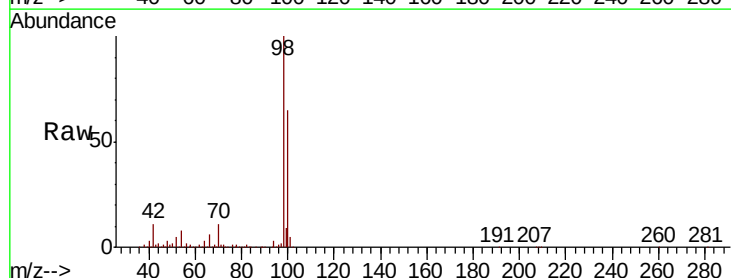
Acq: 21 Nov 2019 15:06

Tgt Ion: 98 Resp: 686602

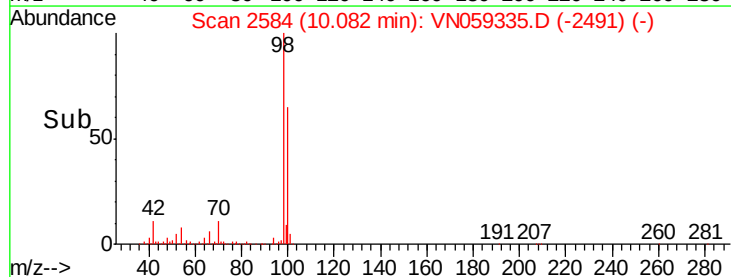
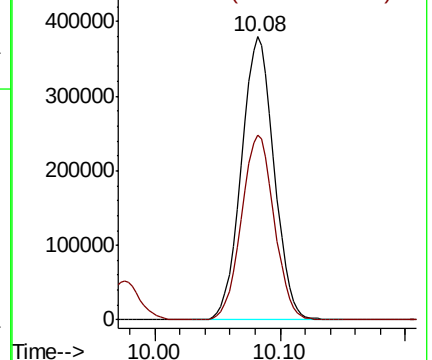
Ion Ratio Lower Upper

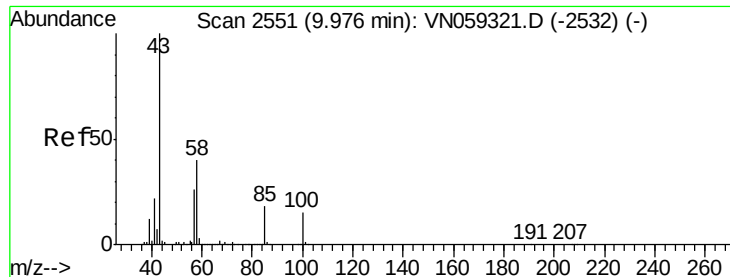
98 100

100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.866 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

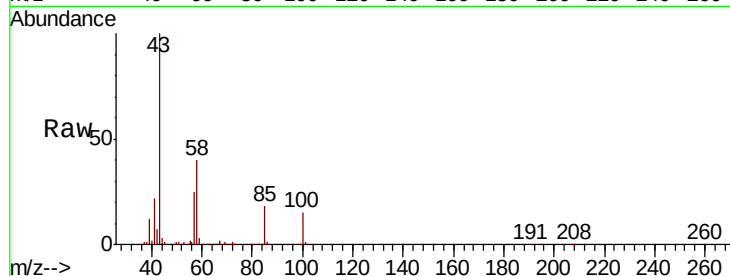
ClientSampleId :

Tot Ion: 43 Resp: 628174

Ion Ratio Lower Upper

43 100

58 40.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-2532) (-)

9.98

400000

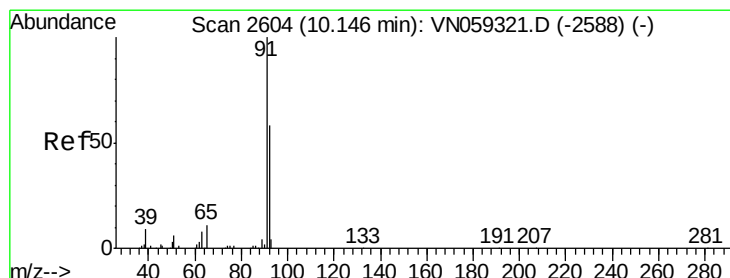
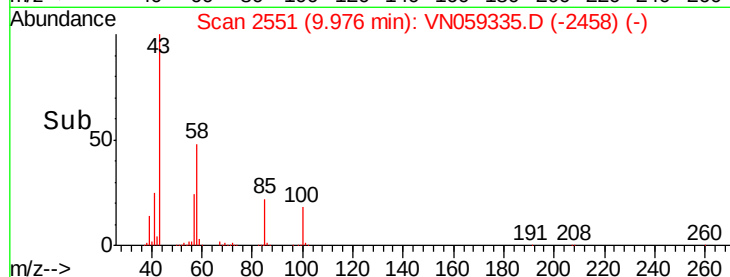
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.796 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059335.D

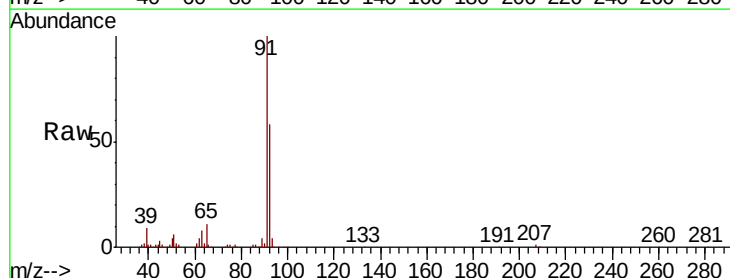
Acq: 21 Nov 2019 15:06

Tgt Ion: 92 Resp: 219230

Ion Ratio Lower Upper

92 100

91 173.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN059321.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059321.D (-2588) (-)

10.15

200000

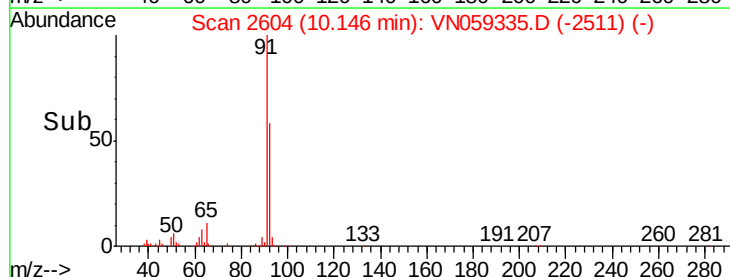
150000

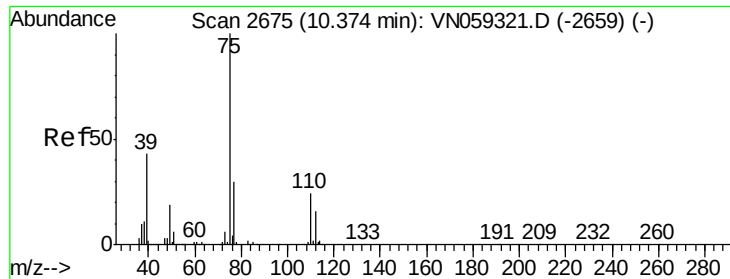
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.477 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

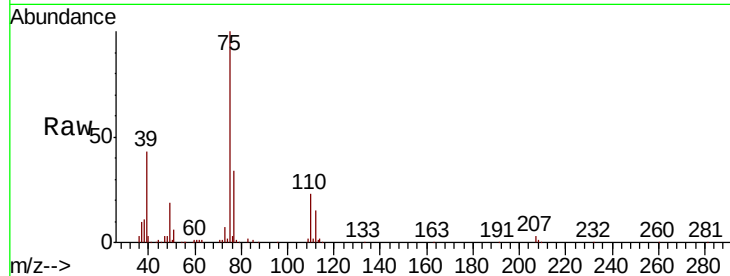
ClientSampleId :

Tot Ion: 75 Resp: 136475

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

40000

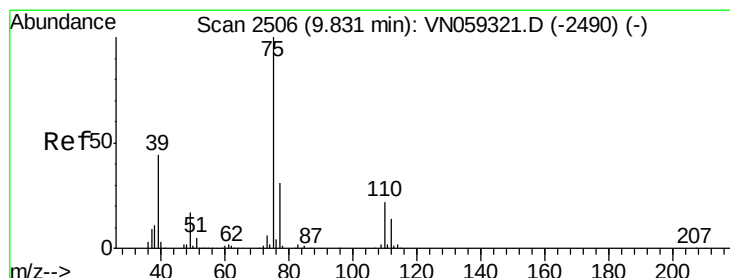
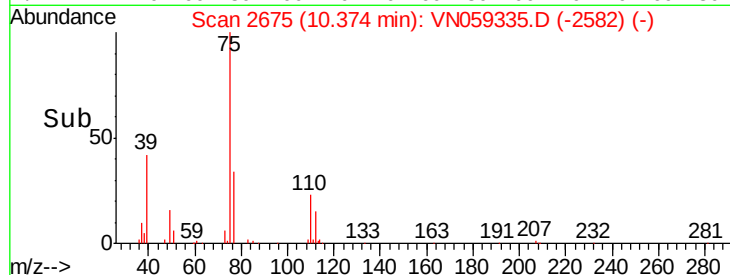
20000

0

10.30

10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.654 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

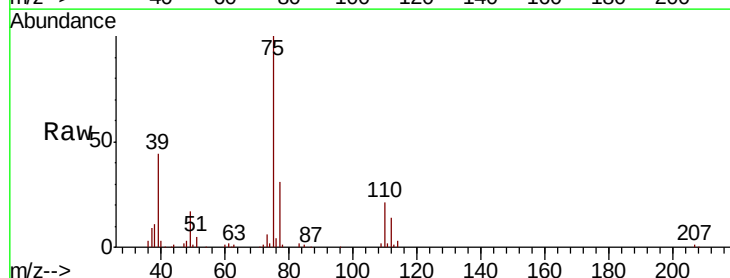
Tgt Ion: 75 Resp: 149509

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

39 44.1 35.5 53.3



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

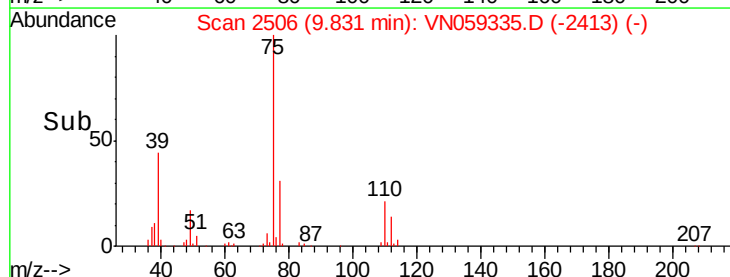
9.75

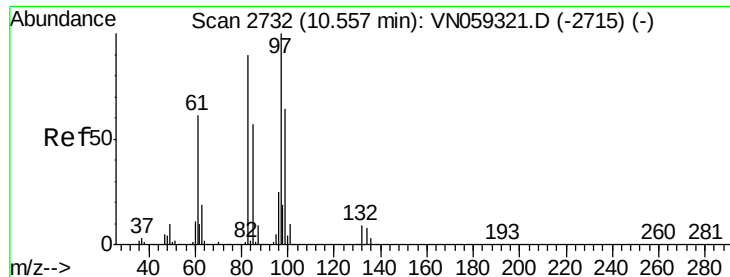
9.80

9.85

9.90

Time-->

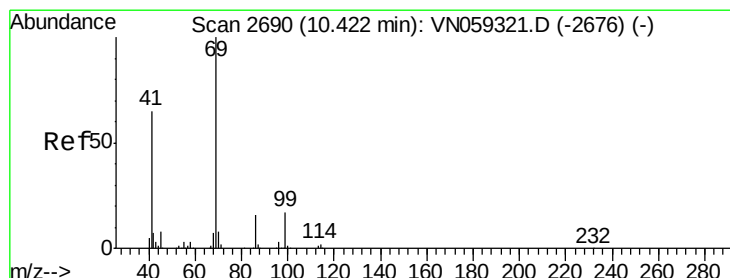
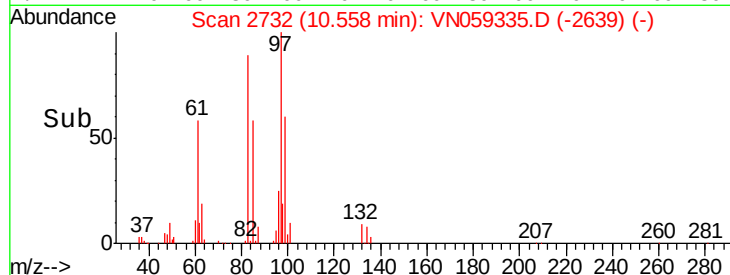
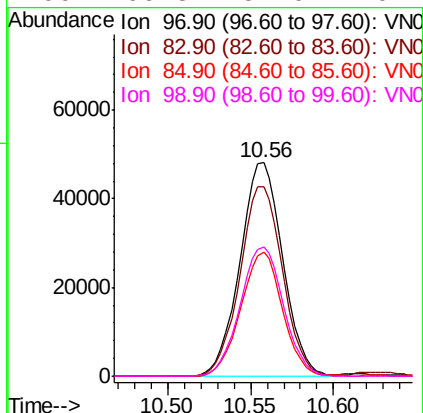
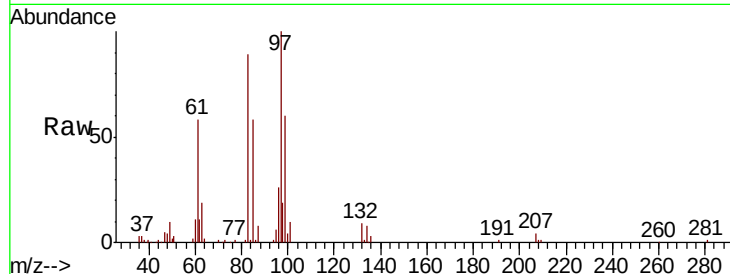




#55
 1,1,2-Trichloroethane
 Concen: 19.135 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

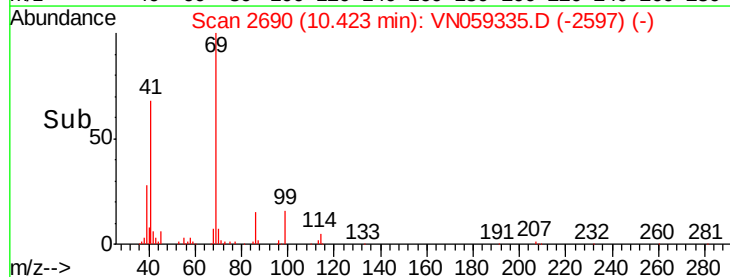
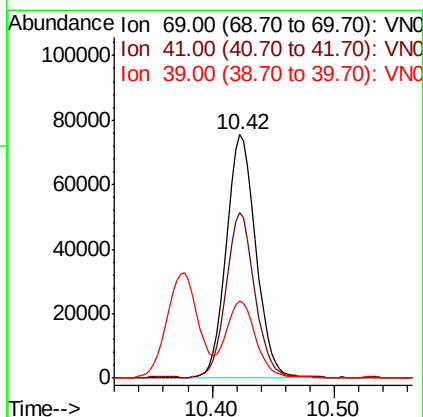
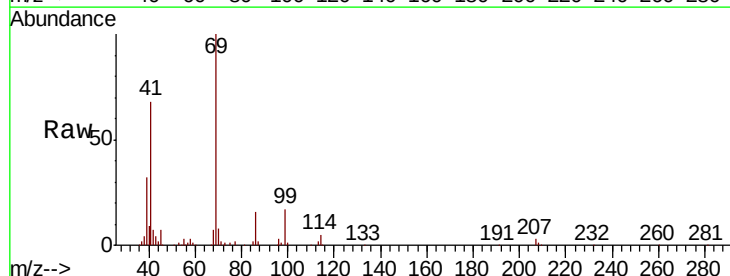
Instrument :
 MSVOA_N
 ClientSampleId :

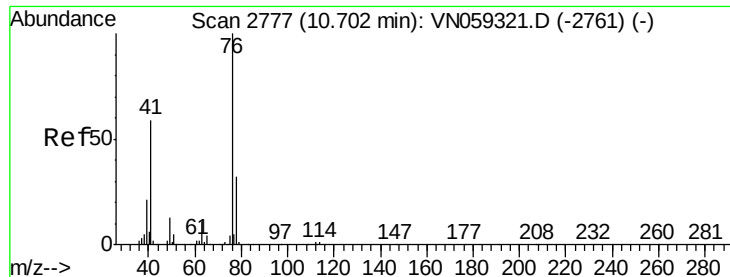
Tot Ion:	97	Resp:	86772
Ion	Ratio	Lower	Upper
97	100		
83	88.8	72.0	108.0
85	58.4	45.8	68.6
99	60.3	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 18.251 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion:	69	Resp:	128628
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.7	77.5
39	31.8	25.2	37.8





#57

1,3-Dichloropropane

Concen: 19.103 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

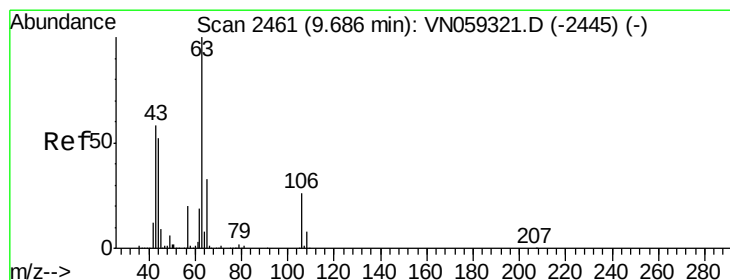
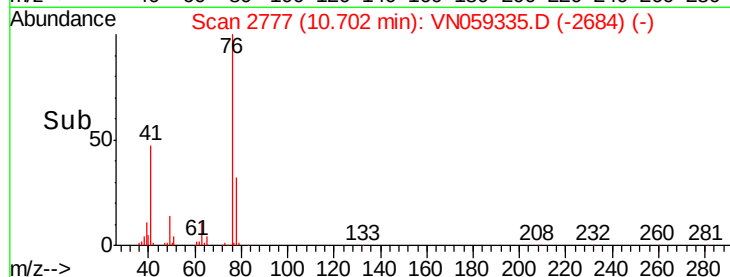
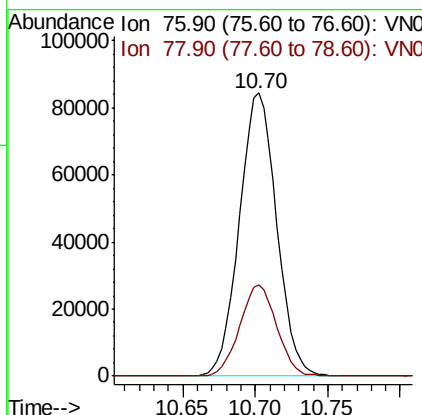
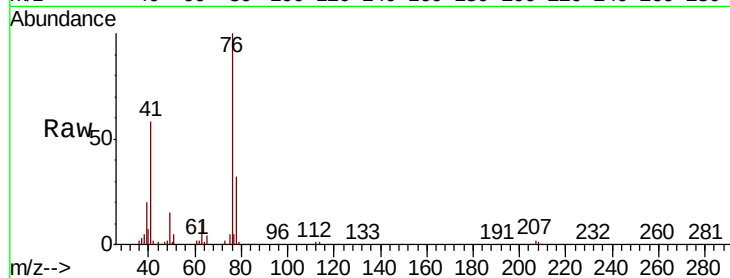
ClientSampleId :

Tot Ion: 76 Resp: 150990

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 91.450 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059335.D

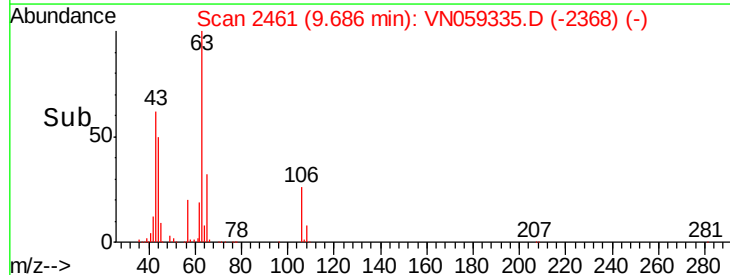
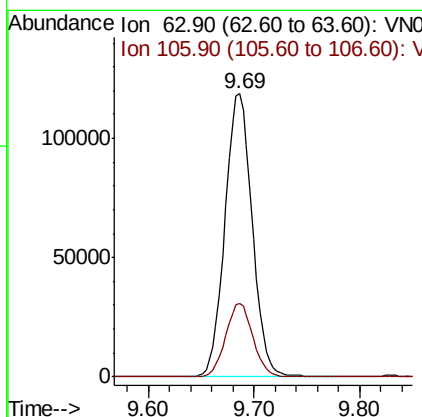
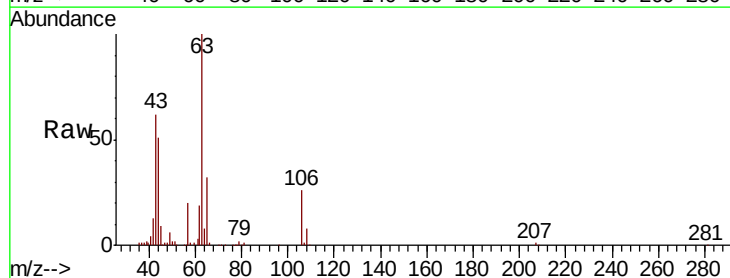
Acq: 21 Nov 2019 15:06

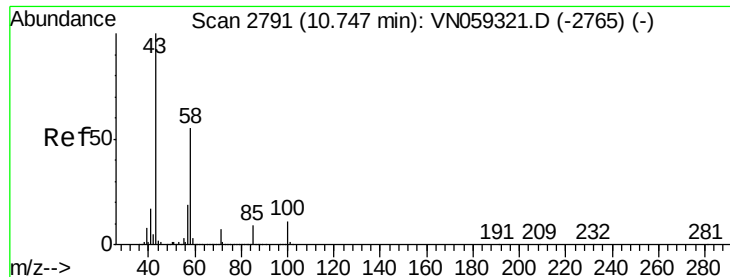
Tgt Ion: 63 Resp: 212392

Ion Ratio Lower Upper

63 100

106 25.8 20.5 30.7

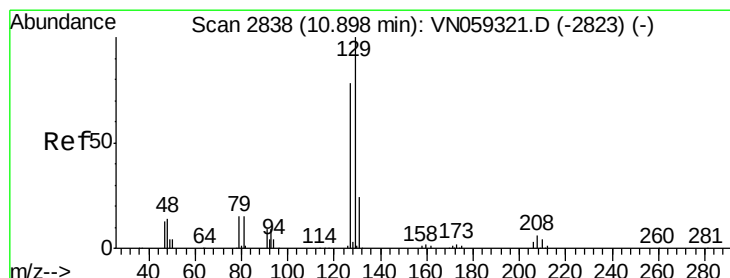
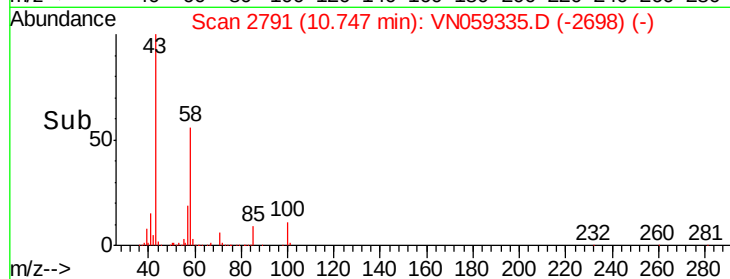
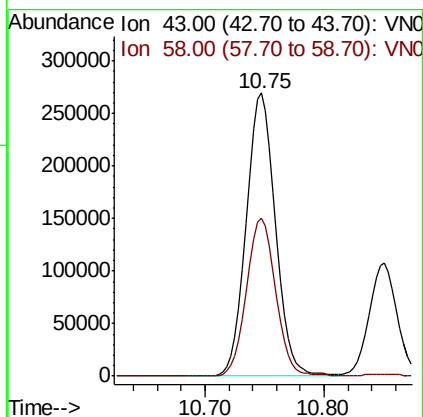
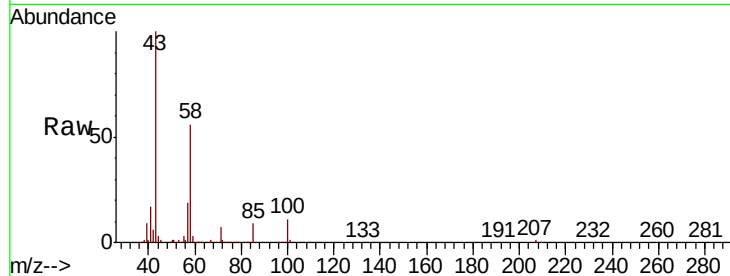




#59
2-Hexanone
Concen: 98.539 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

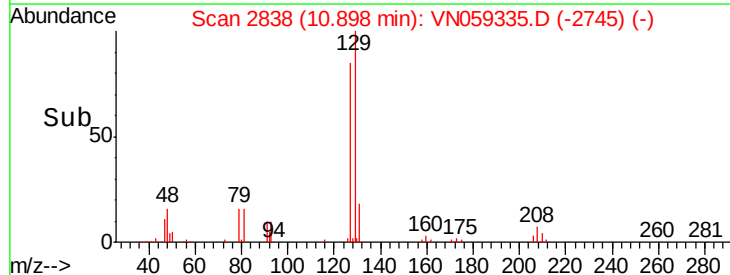
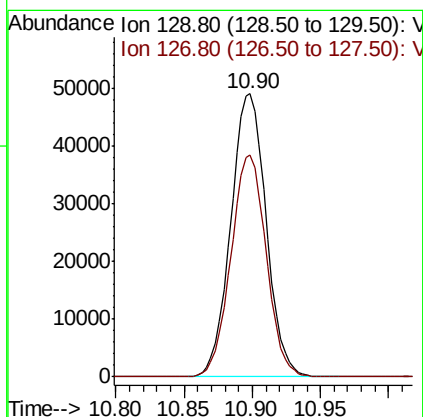
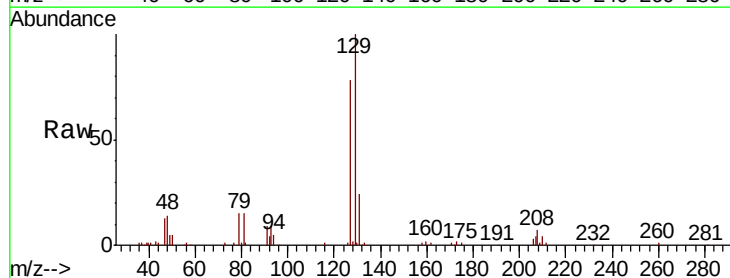
Instrument :
MSVOA_N
ClientSampled :

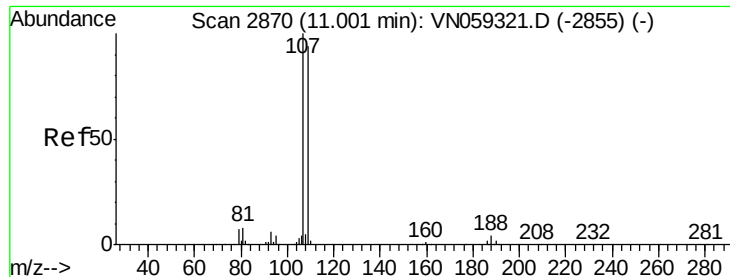
Tot Ion: 43 Resp: 458457
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.0



#60
Dibromochloromethane
Concen: 18.491 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 129 Resp: 88362
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.802 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

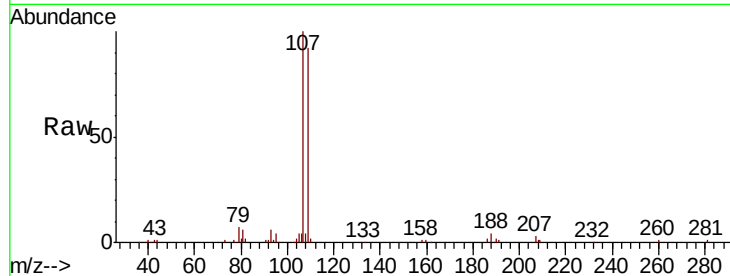
ClientSampled :

Tot Ion:107 Resp: 88719

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.2

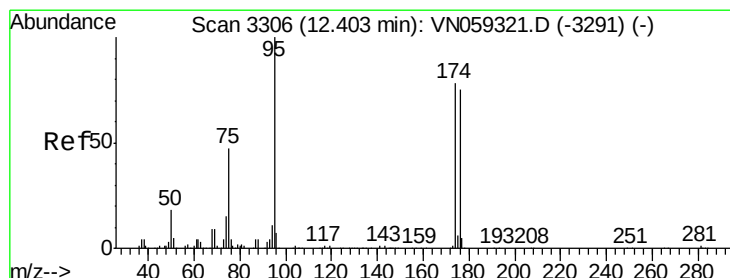
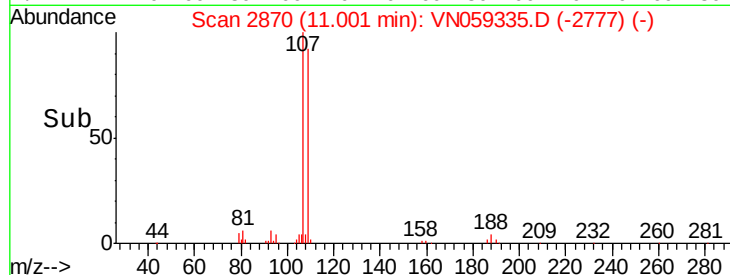


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

Time-->



#62

4-Bromofluorobenzene

Concen: 45.332 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

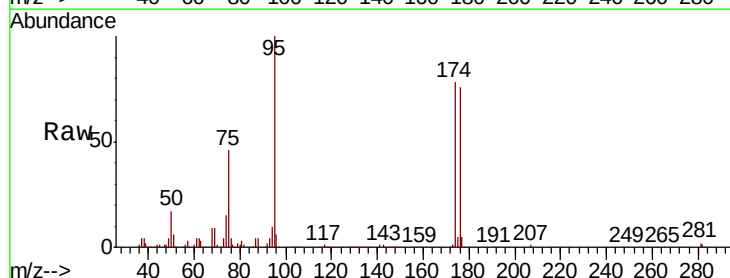
Tgt Ion: 95 Resp: 242020

Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.4

176 75.9 0.0 151.2



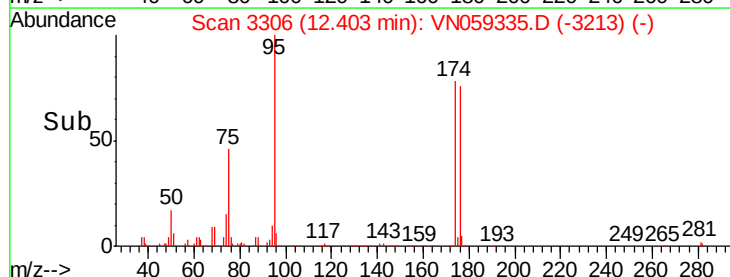
Abundance Ion 94.90 (94.60 to 95.60): V

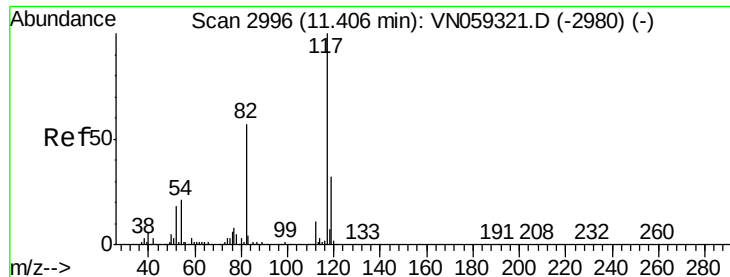
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

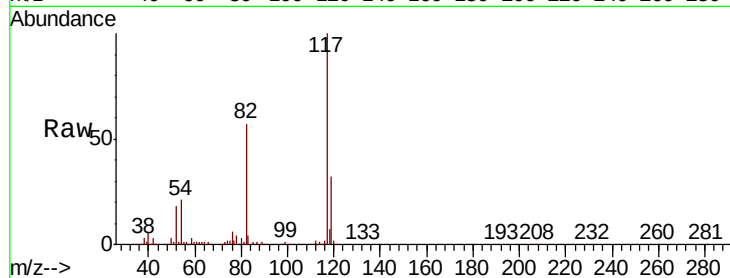
Tot Ion:117 Resp: 568855

Ion Ratio Lower Upper

117 100

82 57.0 45.7 68.5

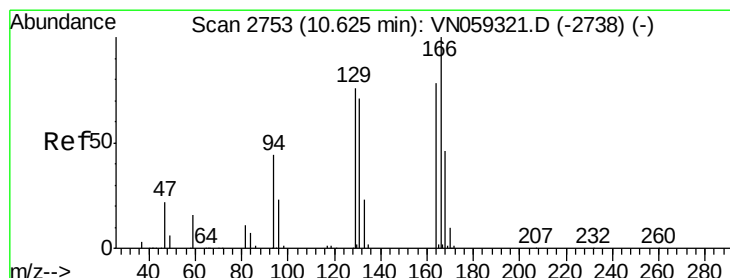
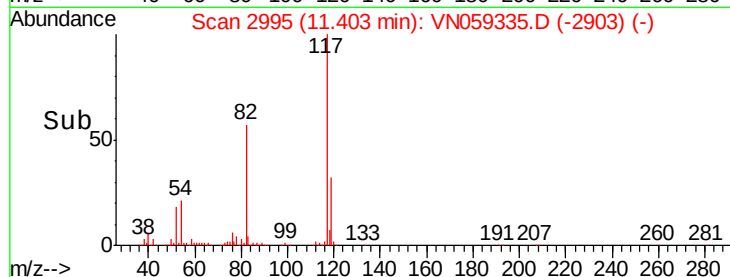
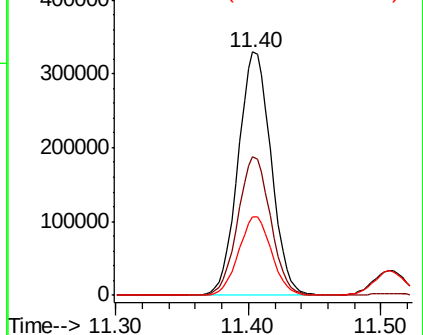
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.422 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Tgt Ion:164 Resp: 81051

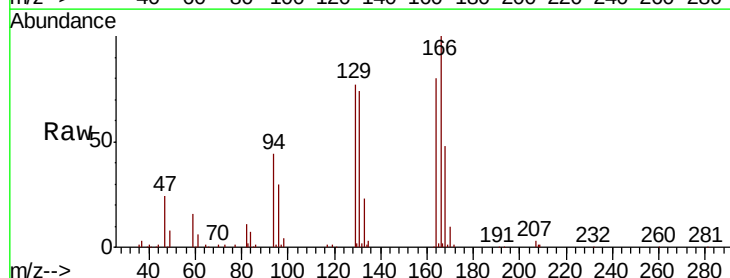
Ion Ratio Lower Upper

164 100

166 124.4 102.9 154.3

129 95.8 78.2 117.2

131 91.9 72.6 109.0

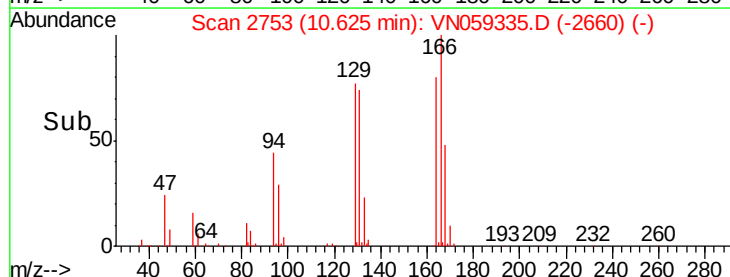
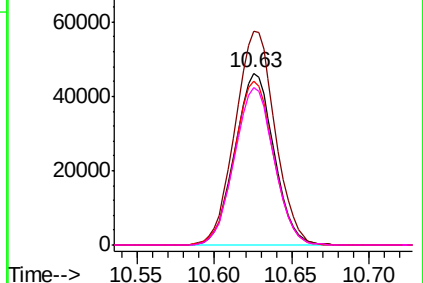


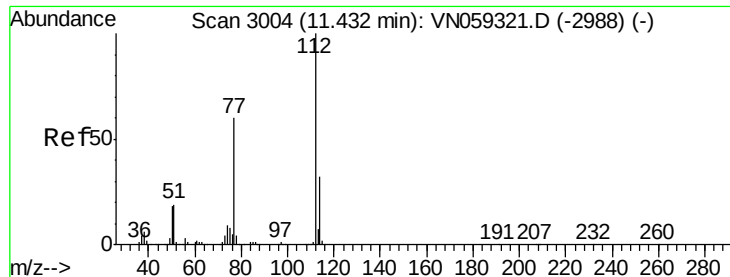
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

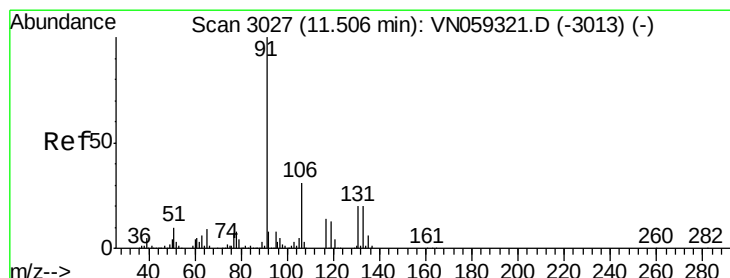
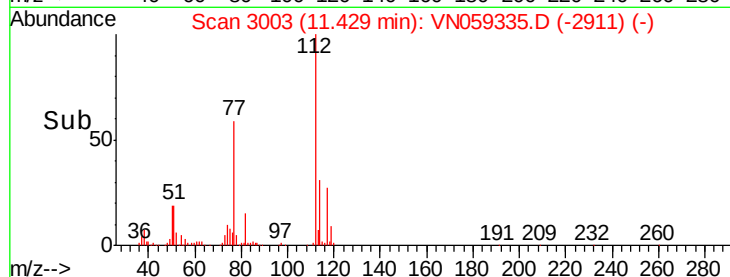
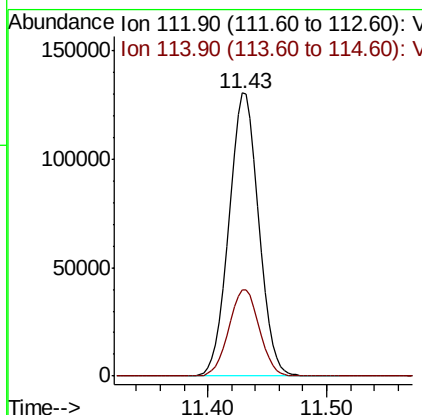
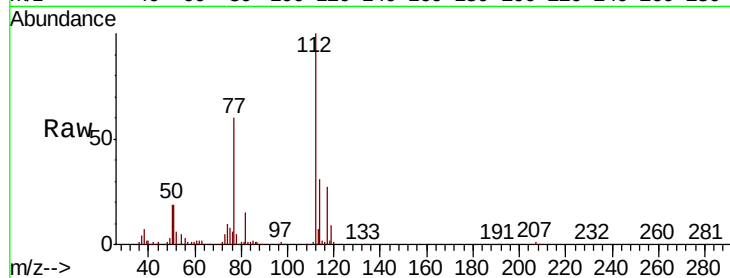




#65
Chlorobenzene
Concen: 18.432 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

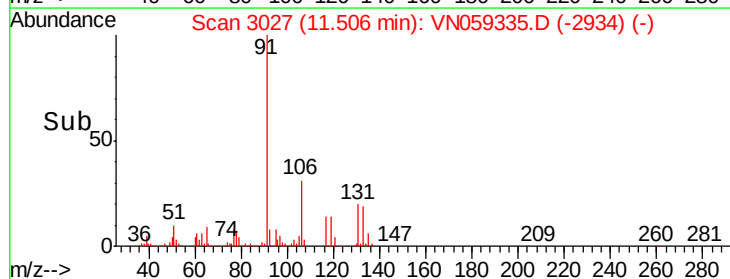
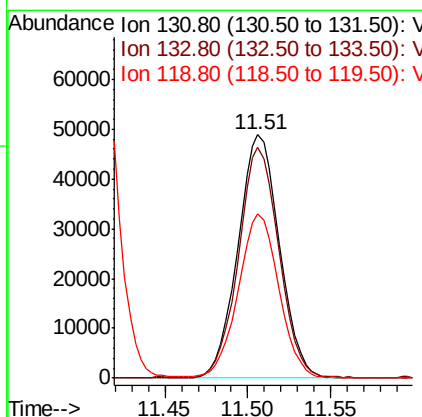
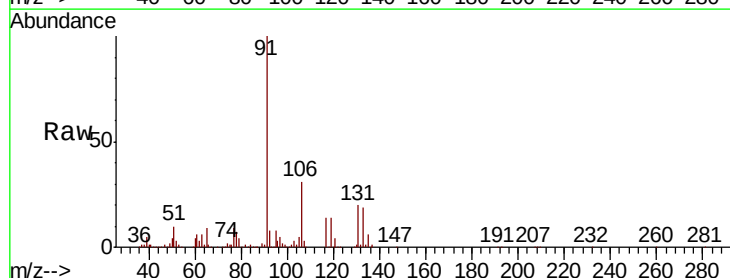
Instrument :
MSVOA_N
ClientSampled :

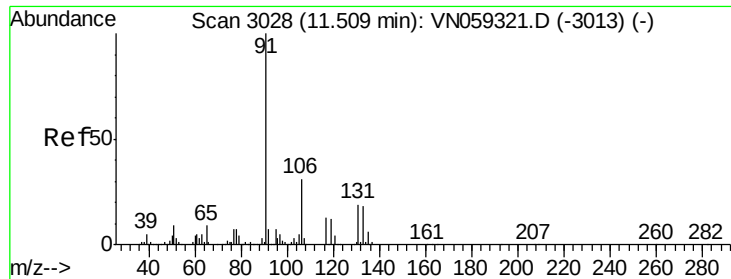
Tot Ion:112 Resp: 225455
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.116 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion:131 Resp: 84945
Ion Ratio Lower Upper
131 100
133 93.2 48.2 144.6
119 66.4 33.6 100.6

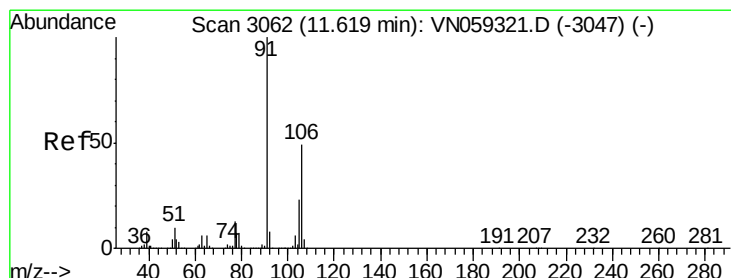
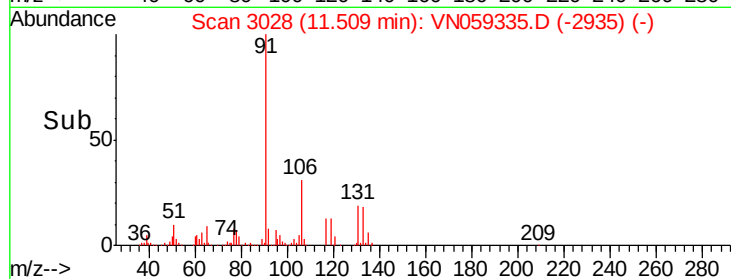
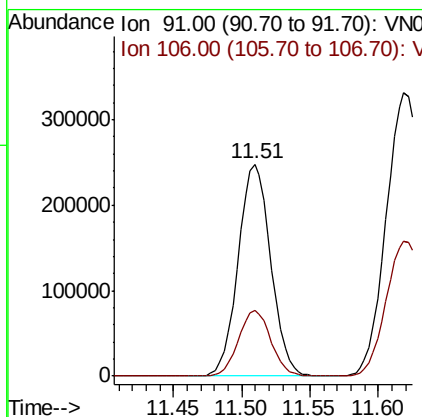
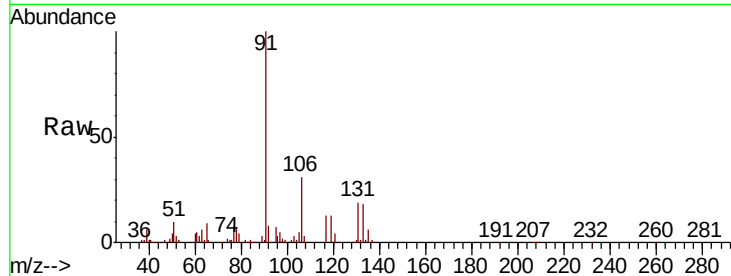




#67
Ethyl Benzene
Concen: 18.825 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

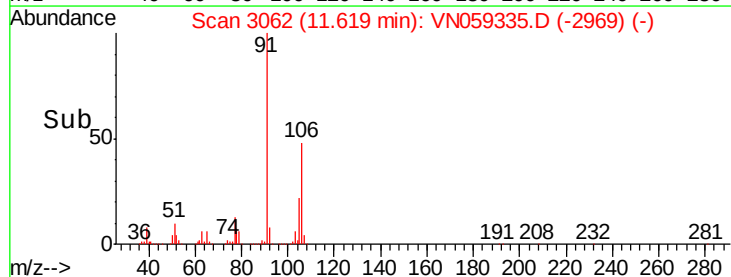
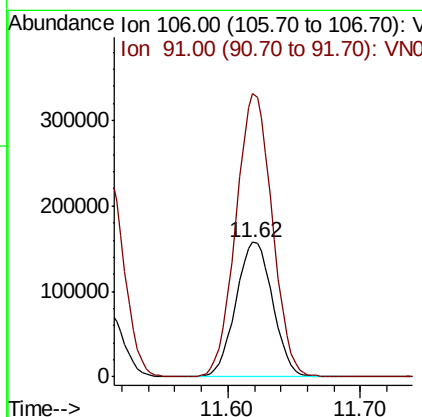
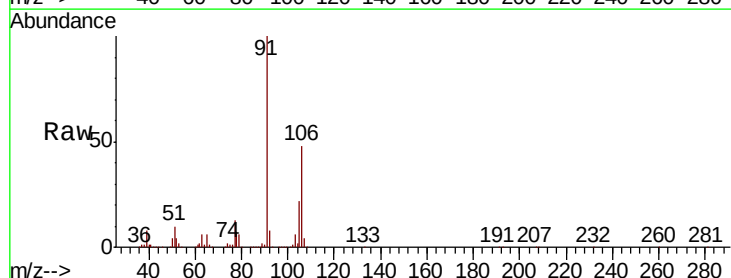
Instrument :
MSVOA_N
ClientSampled :

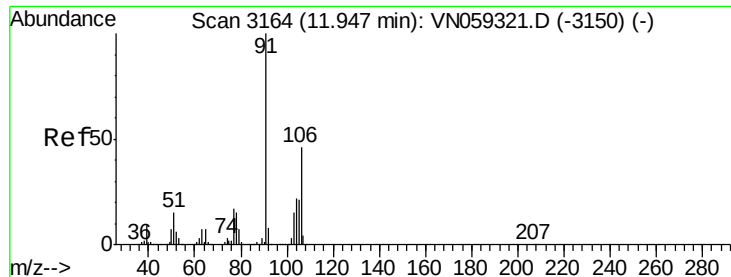
Tot Ion: 91 Resp: 411118
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 37.446 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion: 106 Resp: 303883
Ion Ratio Lower Upper
106 100
91 206.6 163.2 244.8

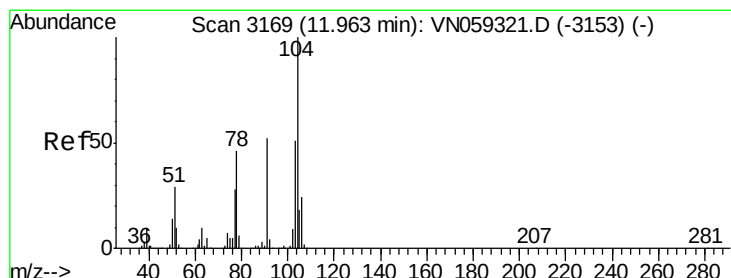
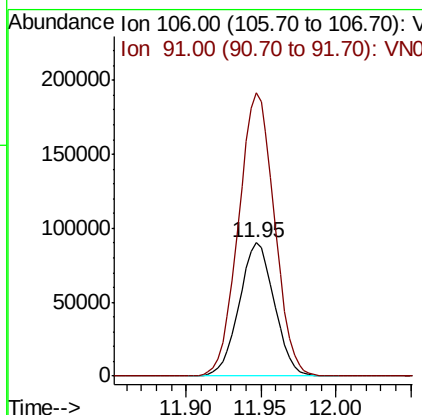
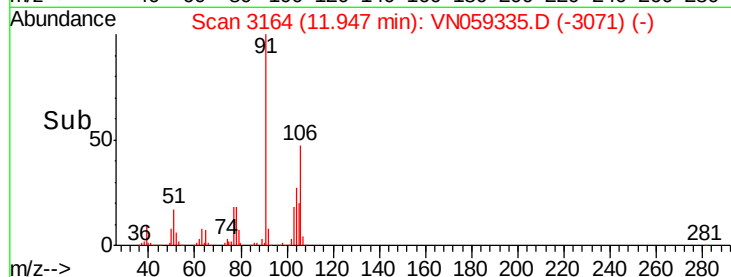
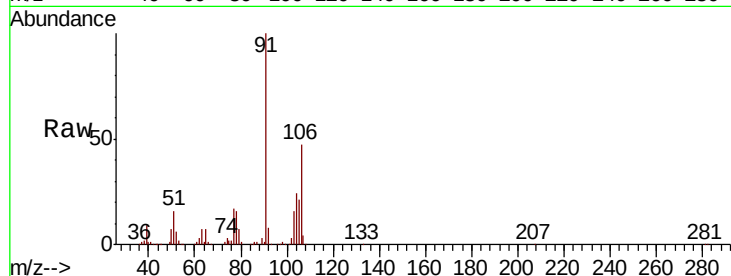




#69
o-Xylene
Concen: 19.037 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

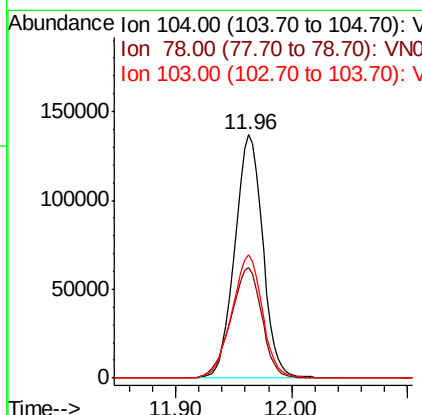
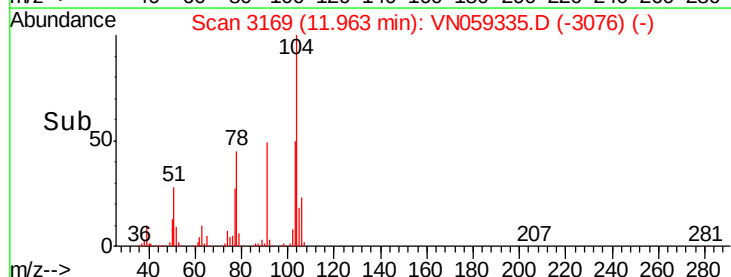
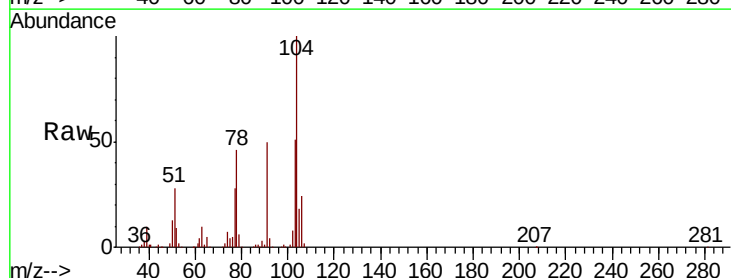
Instrument :
MSVOA_N
ClientSampled :

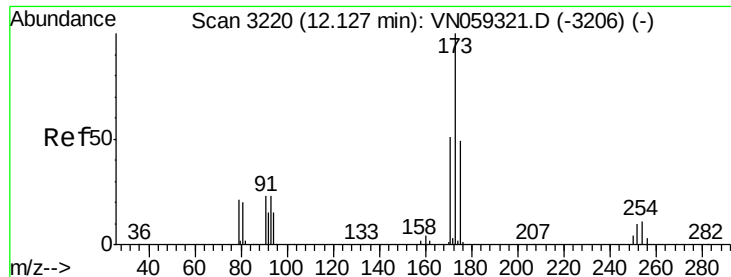
Tot Ion:106 Resp: 147903
Ion Ratio Lower Upper
106 100
91 216.3 109.3 327.9



#70
Styrene
Concen: 18.649 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059335.D
Acq: 21 Nov 2019 15:06

Tgt Ion:104 Resp: 228619
Ion Ratio Lower Upper
104 100
78 50.6 40.3 60.5
103 55.3 43.6 65.4





#71

Bromoform

Concen: 18.797 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

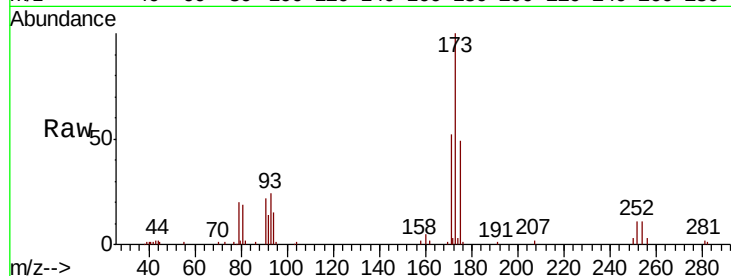
Tot Ion:173 Resp: 63255

Ion Ratio Lower Upper

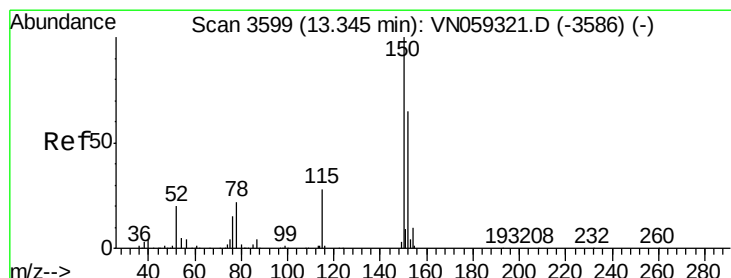
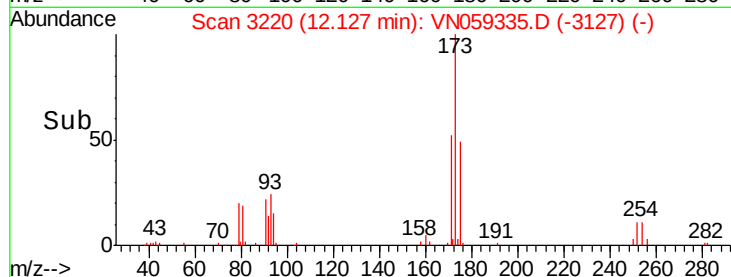
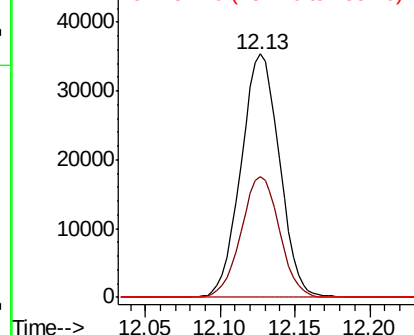
173 100

175 49.4 24.6 73.6

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: VN059335.D

Acq: 21 Nov 2019 15:06

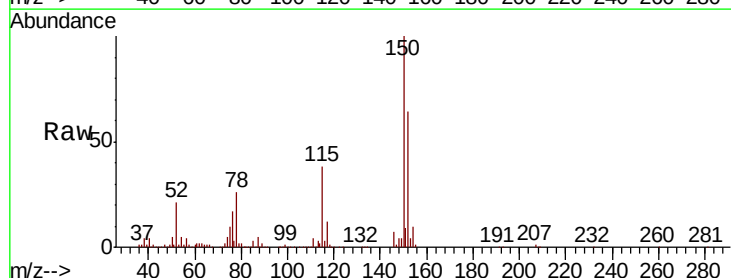
Tgt Ion:152 Resp: 251523

Ion Ratio Lower Upper

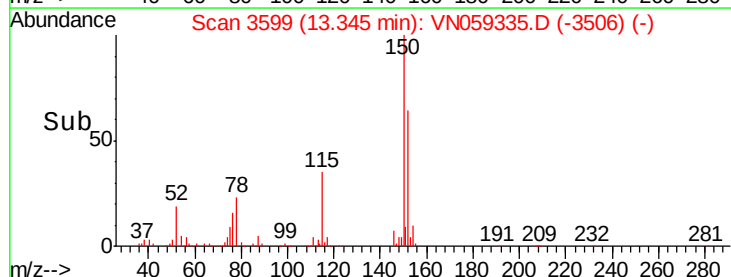
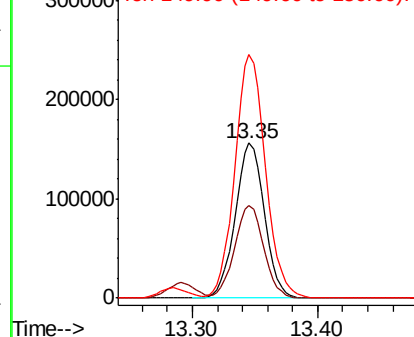
152 100

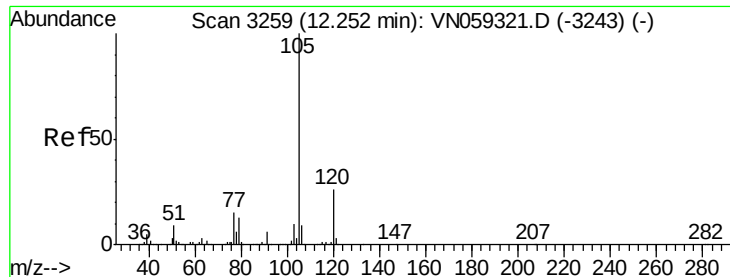
115 59.7 29.3 88.0

150 164.5 0.0 346.0



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: 19.159 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

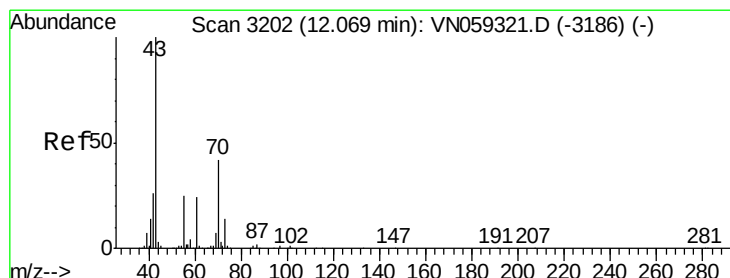
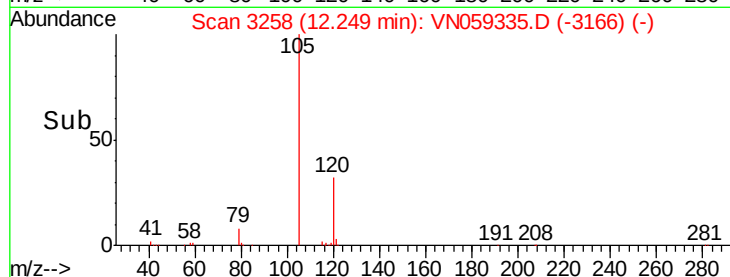
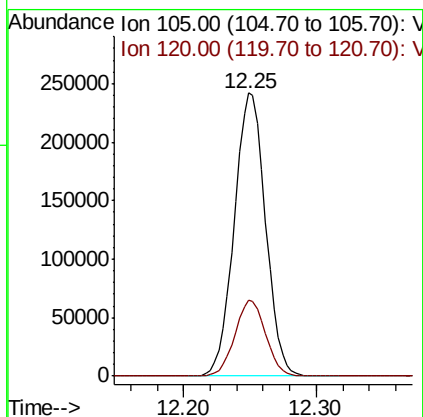
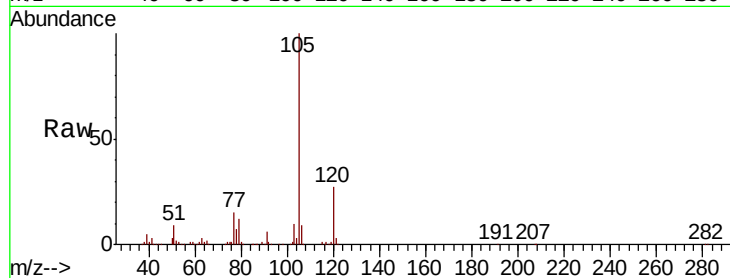
ClientSampleId :

Tot Ion:105 Resp: 394756

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 18.319 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Tgt Ion: 43 Resp: 151697

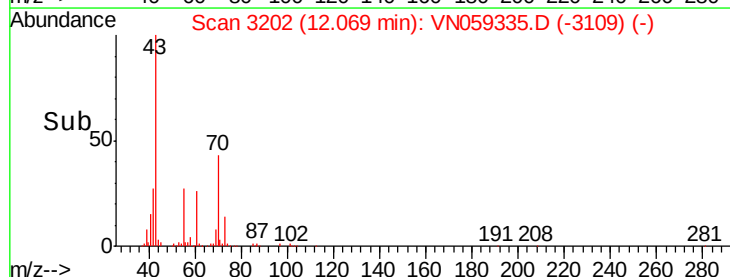
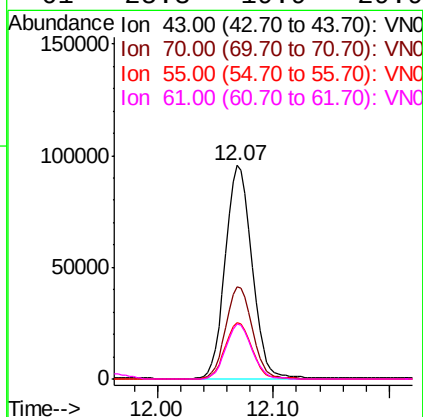
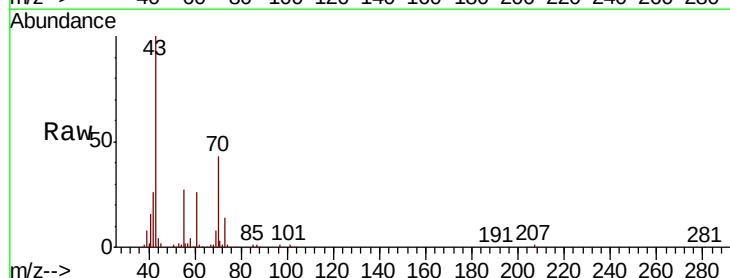
Ion Ratio Lower Upper

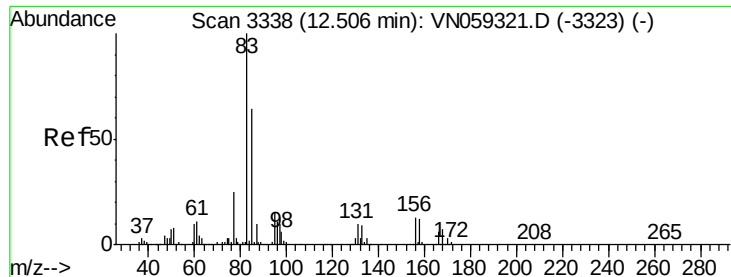
43 100

70 43.0 33.8 50.6

55 26.6 20.3 30.5

61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.684 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

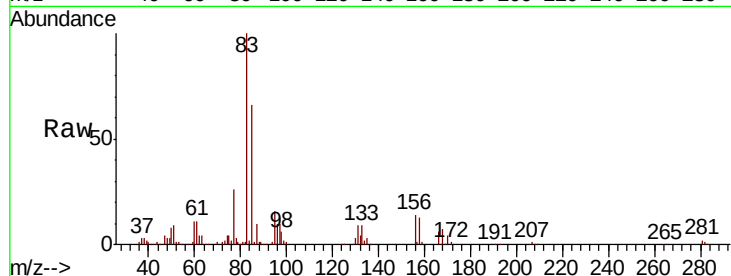
Tot Ion: 83 Resp: 127348

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

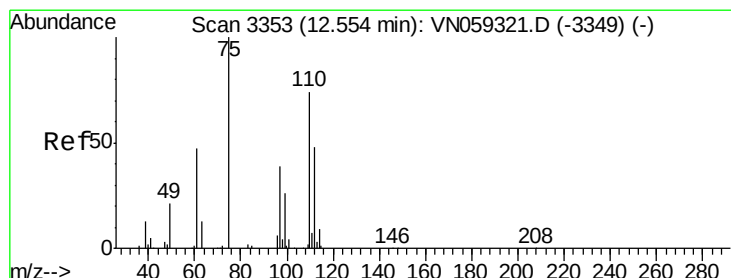
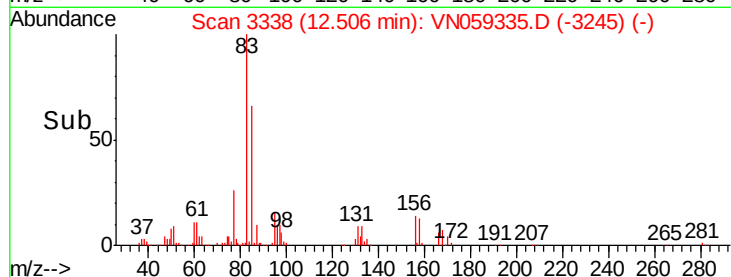
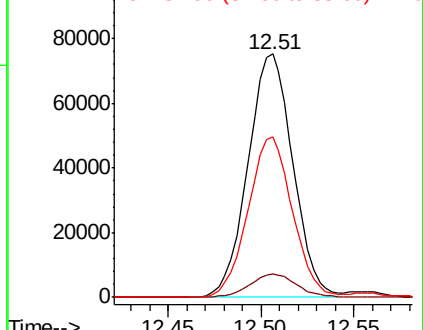
85 65.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059335.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059335.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059335.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 29.009 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059335.D

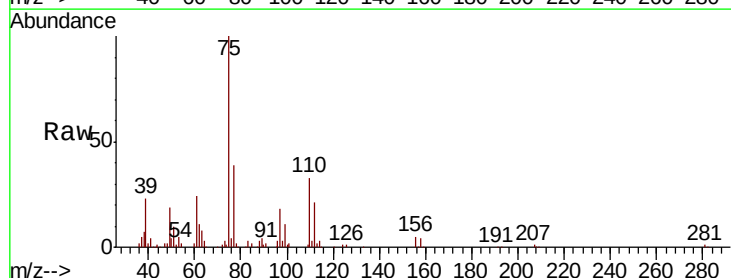
Acq: 21 Nov 2019 15:06

Tgt Ion: 75 Resp: 168563

Ion Ratio Lower Upper

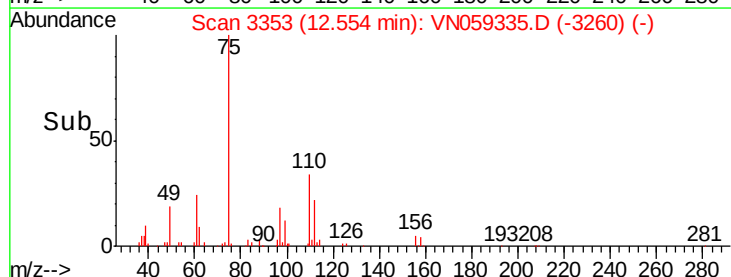
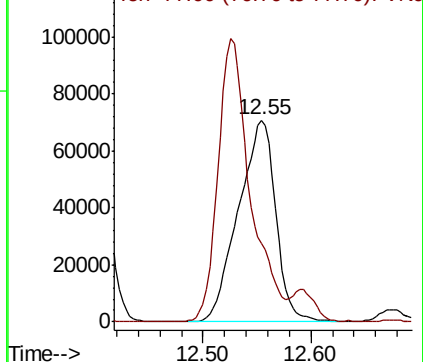
75 100

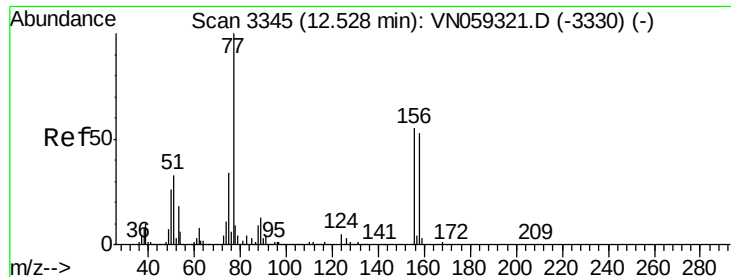
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059335.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059335.D (-3260) (-)





#77

Bromobenzene

Concen: 18.490 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

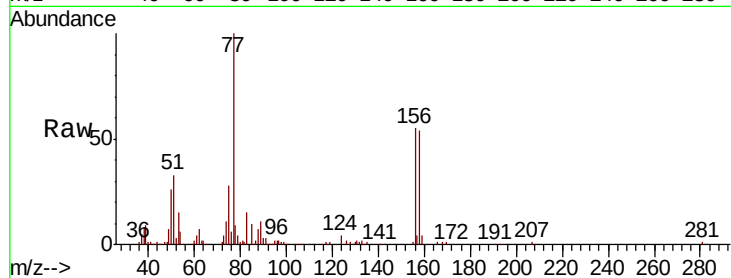
Tot Ion:156 Resp: 92404

Ion Ratio Lower Upper

156 100

77 224.4 111.1 333.4

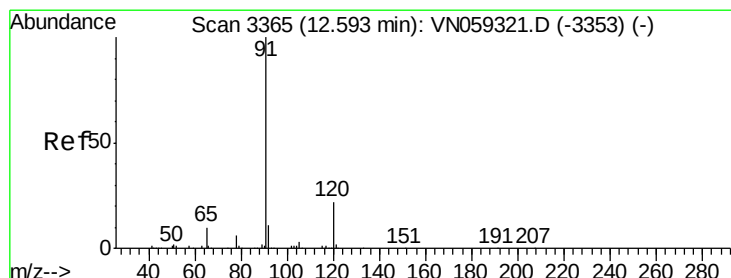
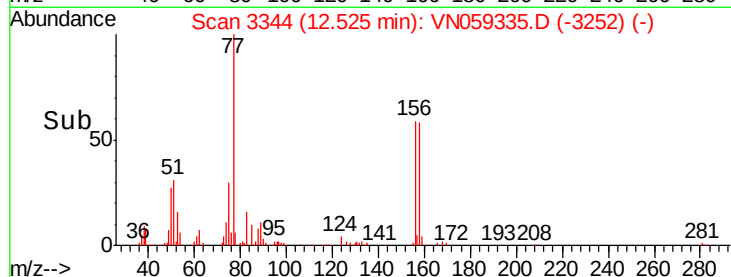
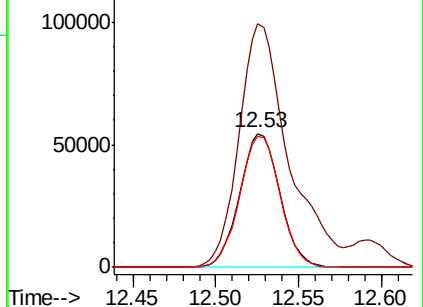
158 98.3 47.8 143.4



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: 19.500 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059335.D

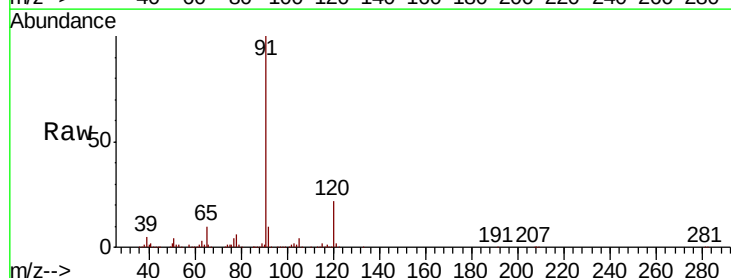
Acq: 21 Nov 2019 15:06

Tgt Ion: 91 Resp: 455124

Ion Ratio Lower Upper

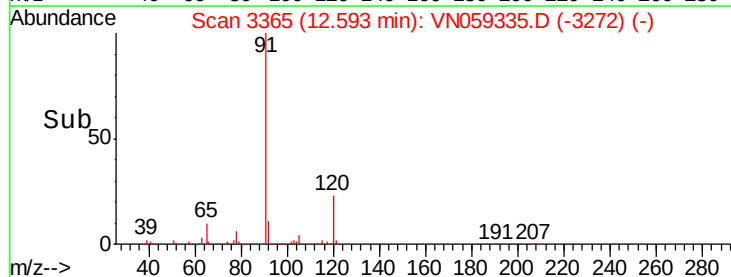
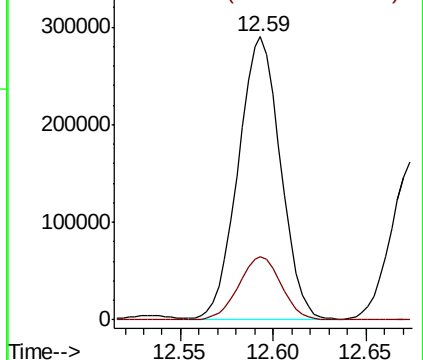
91 100

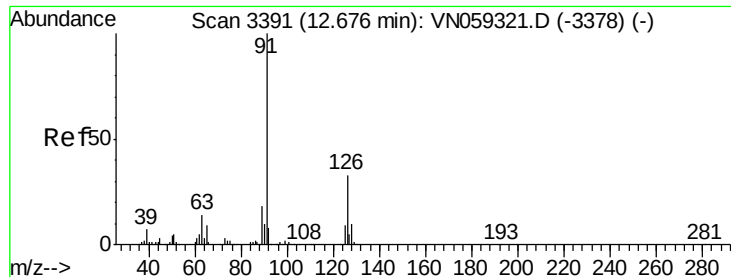
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.787 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

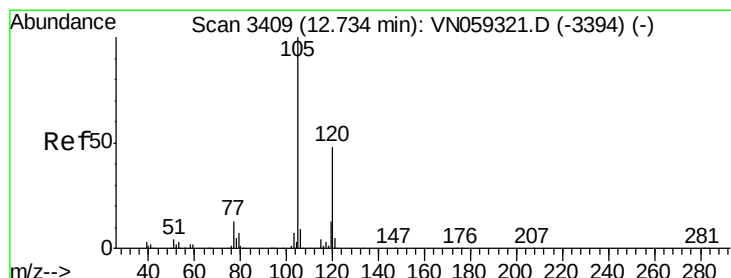
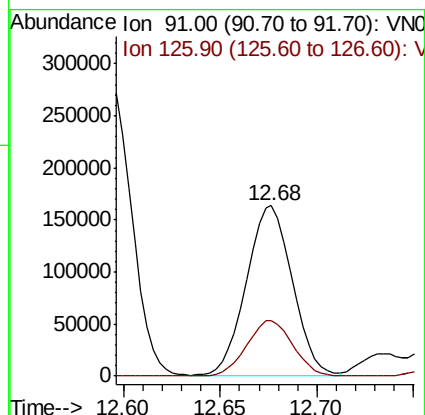
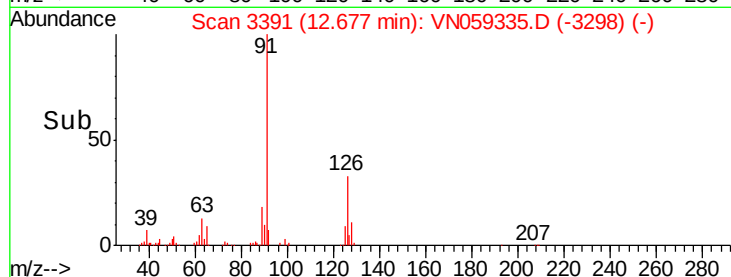
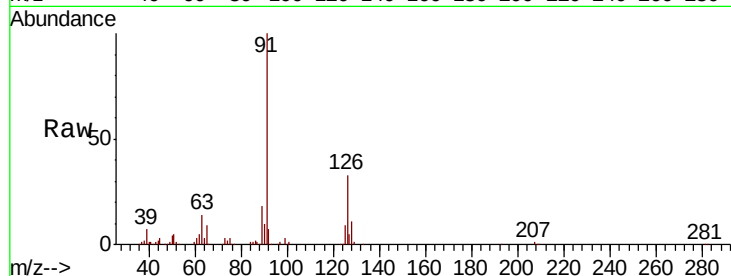
ClientSampleId :

Tot Ion: 91 Resp: 269137

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 19.133 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059335.D

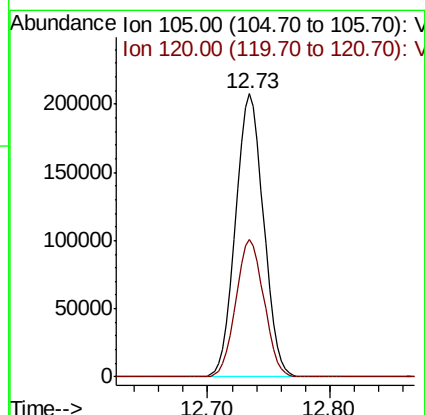
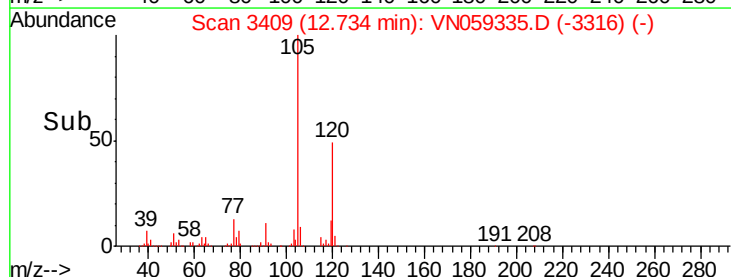
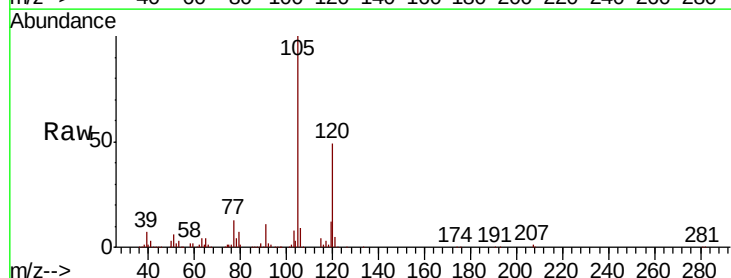
Acq: 21 Nov 2019 15:06

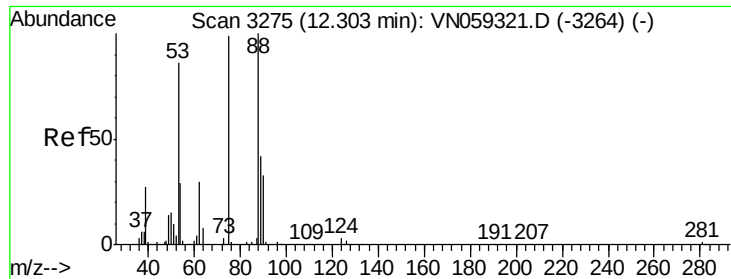
Tgt Ion: 105 Resp: 331395

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.474 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

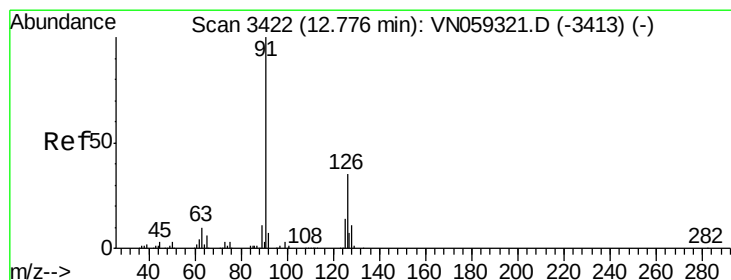
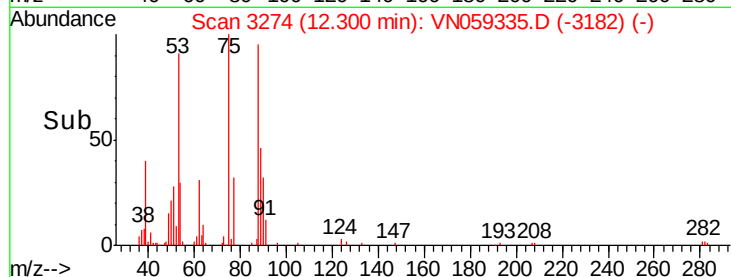
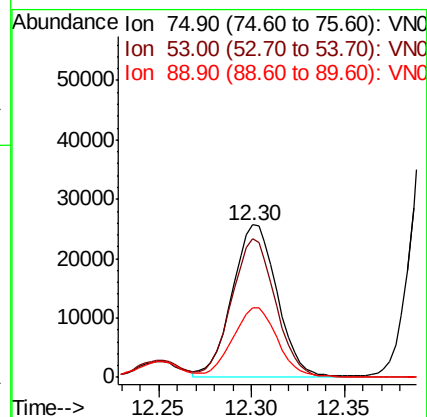
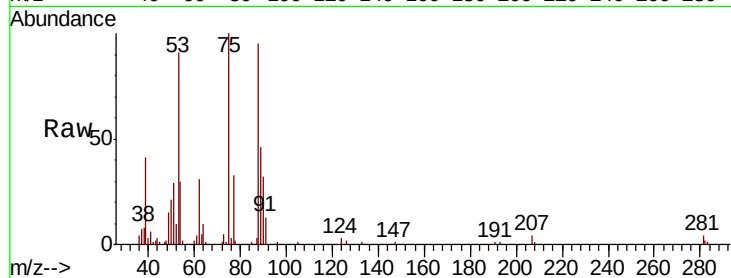
Tot Ion: 75 Resp: 42919

Ion Ratio Lower Upper

75 100

53 89.7 70.7 106.1

89 46.0 35.4 53.0



#82

4-Chlorotoluene

Concen: 18.317 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059335.D

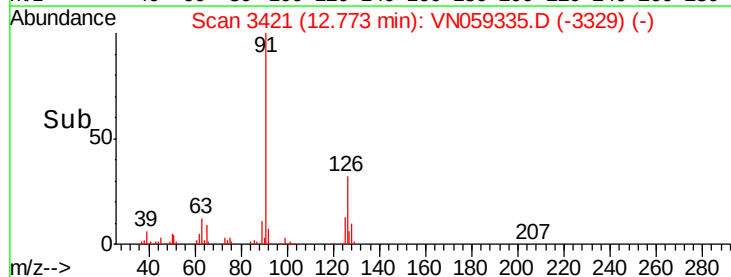
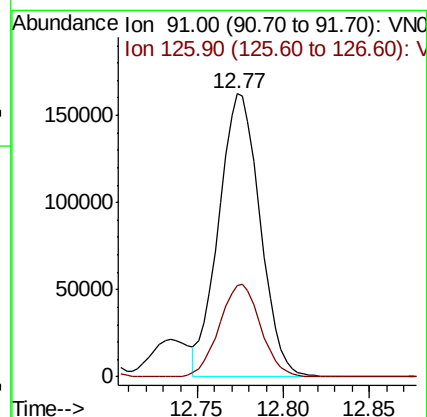
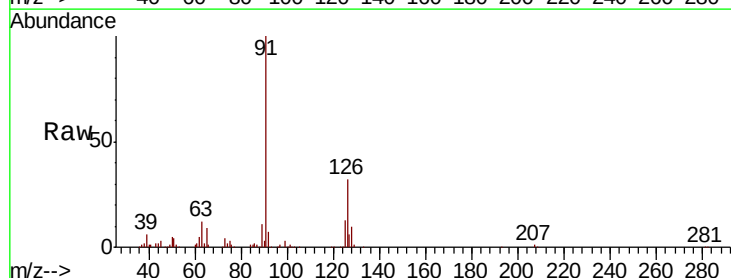
Acq: 21 Nov 2019 15:06

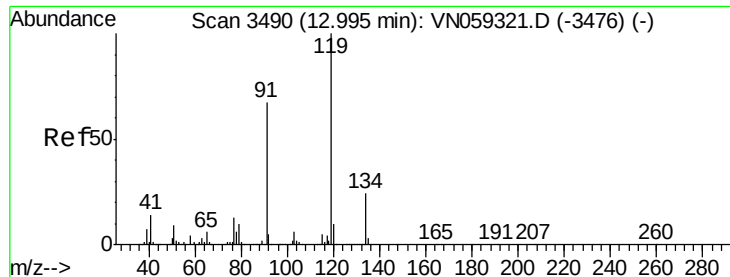
Tgt Ion: 91 Resp: 271541

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6





#83

tert-Butylbenzene

Concen: 19.245 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampled :

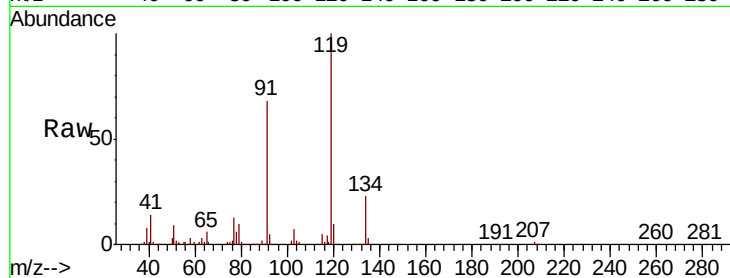
Tot Ion:119 Resp: 281531

Ion Ratio Lower Upper

119 100

91 66.0 32.8 98.4

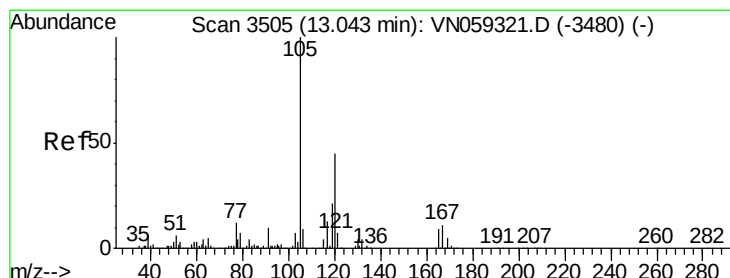
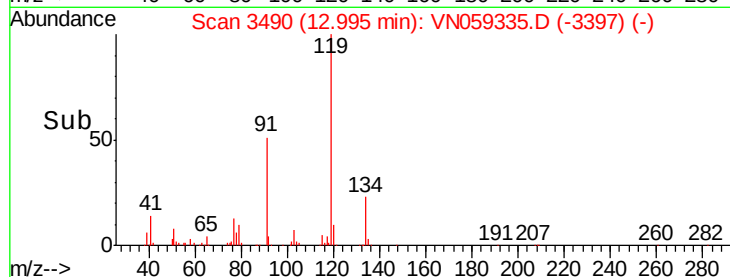
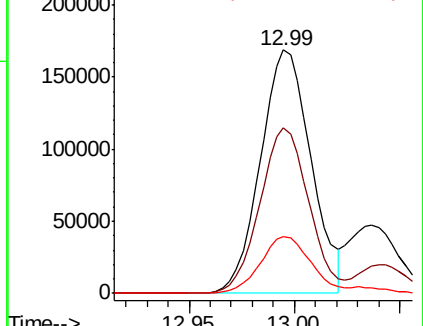
134 23.5 13.0 38.9



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: 19.024 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059335.D

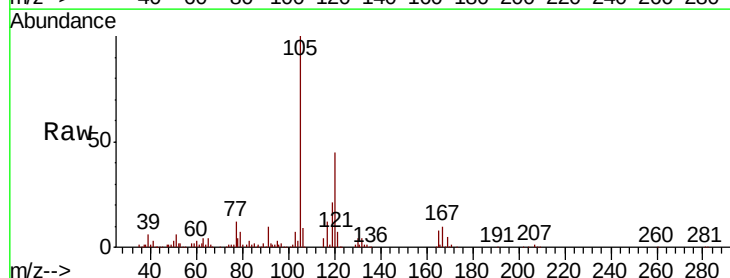
Acq: 21 Nov 2019 15:06

Tgt Ion:105 Resp: 322774

Ion Ratio Lower Upper

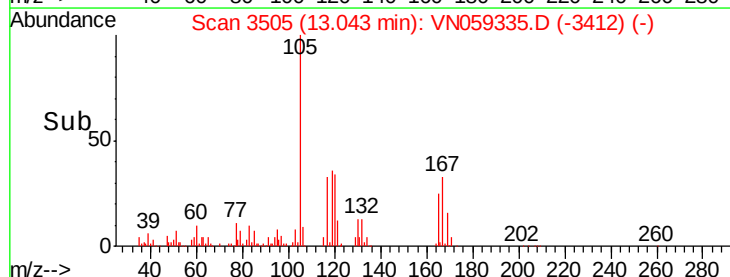
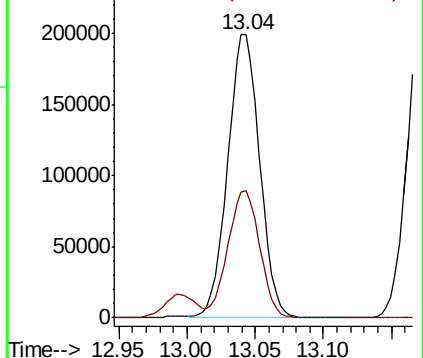
105 100

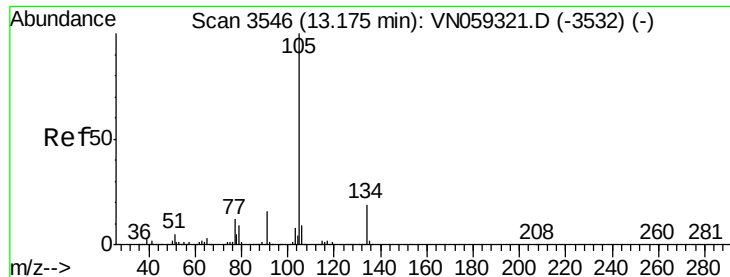
120 45.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.285 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

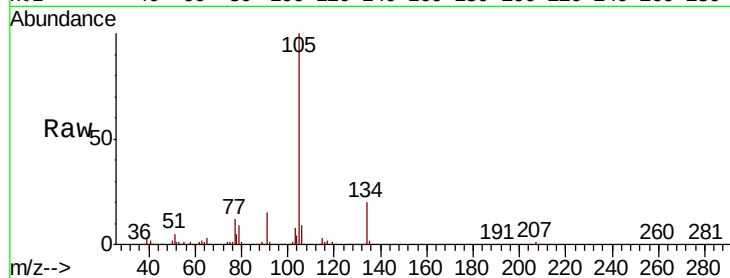
ClientSampled :

Tot Ion:105 Resp: 379178

Ion Ratio Lower Upper

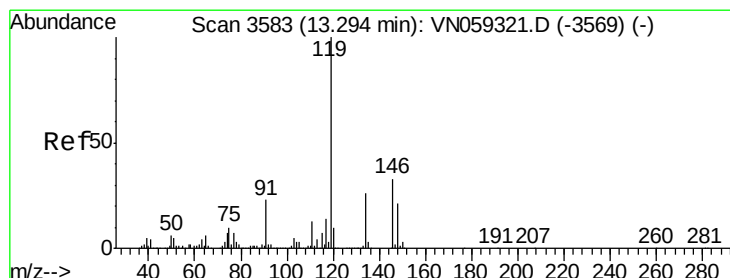
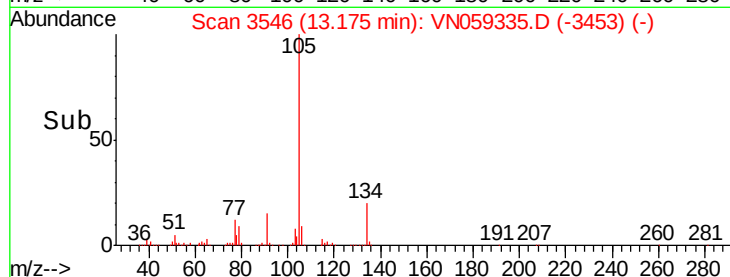
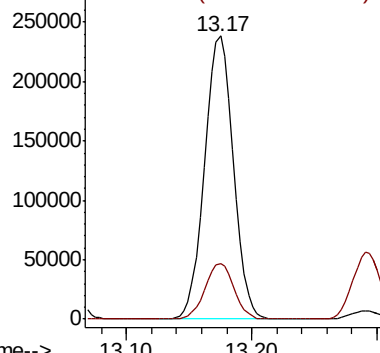
105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.220 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

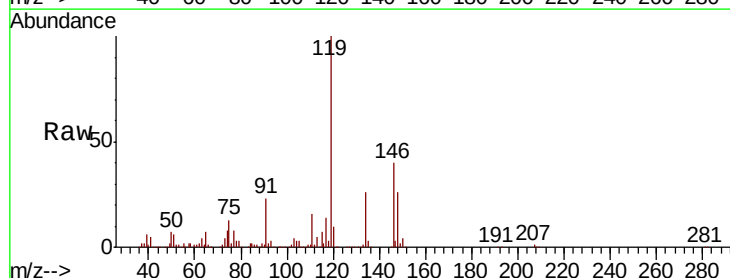
Tgt Ion:119 Resp: 336270

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

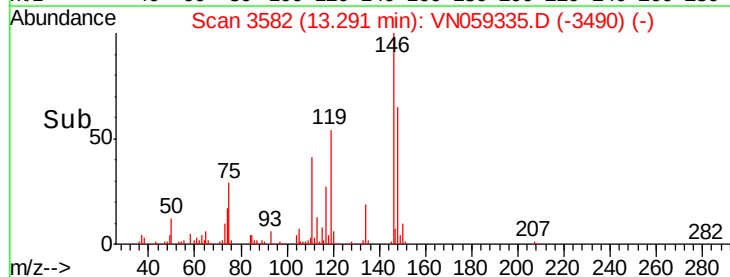
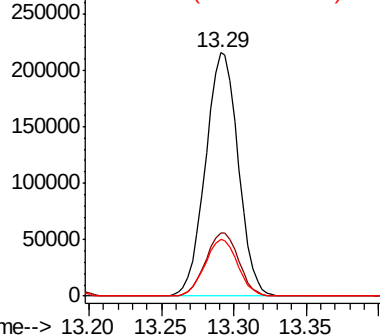
91 23.4 11.6 34.7

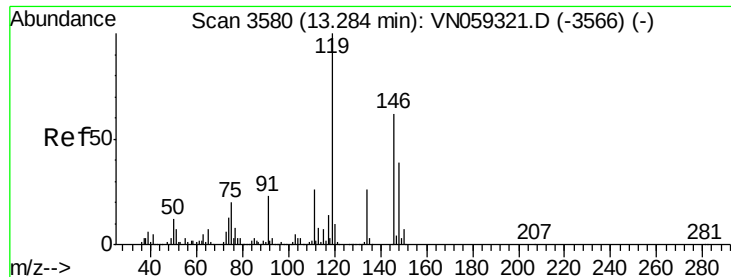


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

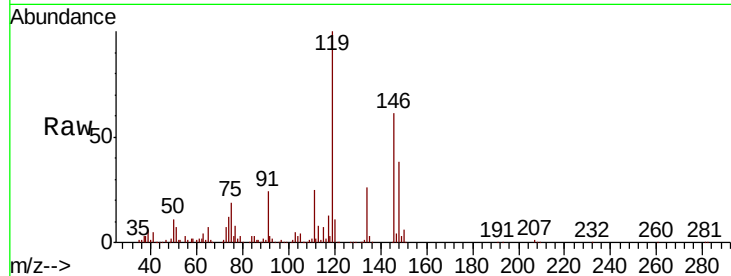




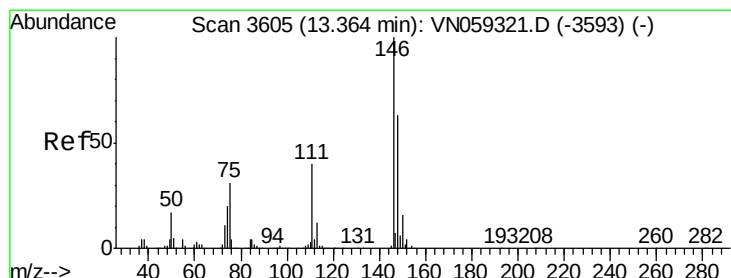
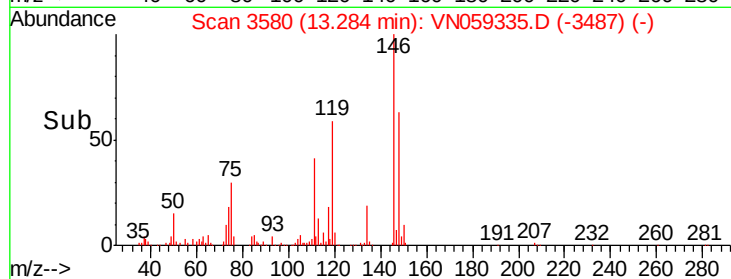
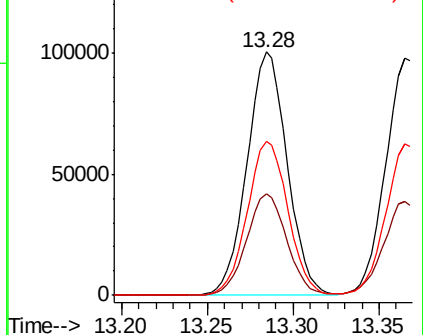
#87
 1,3-Dichlorobenzene
 Concen: 18.281 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.6	61.8
148	64.1	31.9	95.5

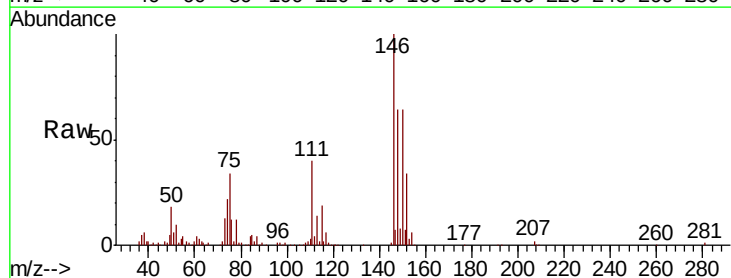


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

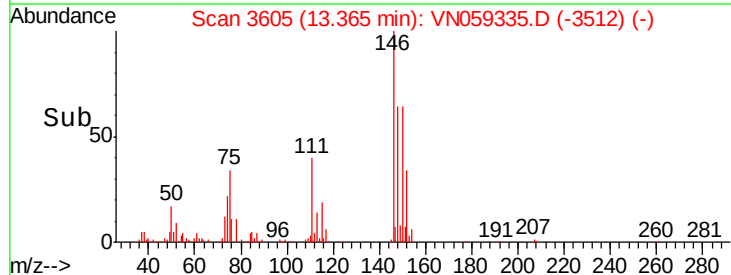
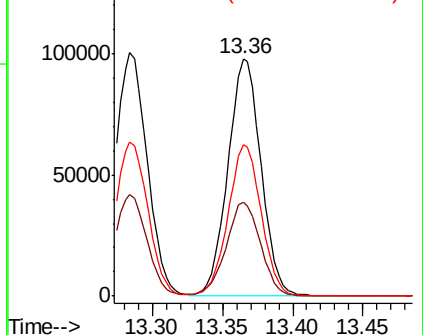


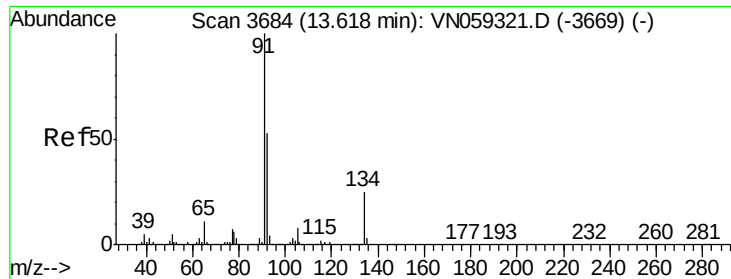
#88
 1,4-Dichlorobenzene
 Concen: 18.244 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	64.2	31.7	95.1



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





#89

n-Butylbenzene

Concen: 18.552 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059335.D

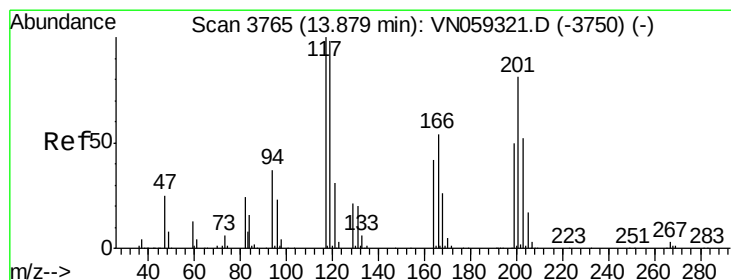
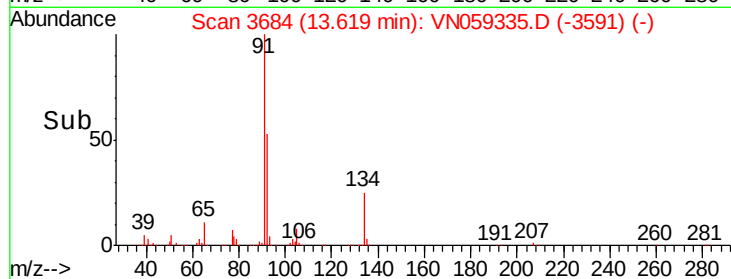
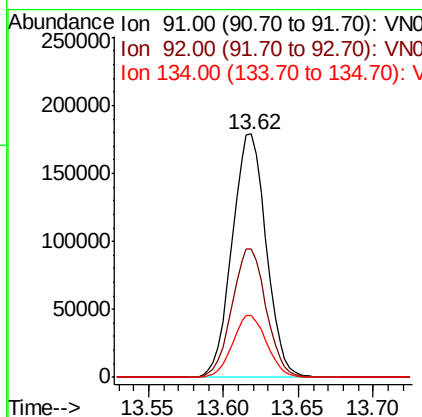
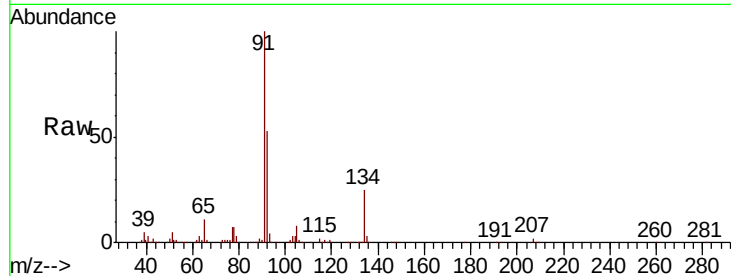
Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	91	Resp:	284737
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	25.6	12.7	38.1



#90

Hexachloroethane

Concen: 18.111 ug/l

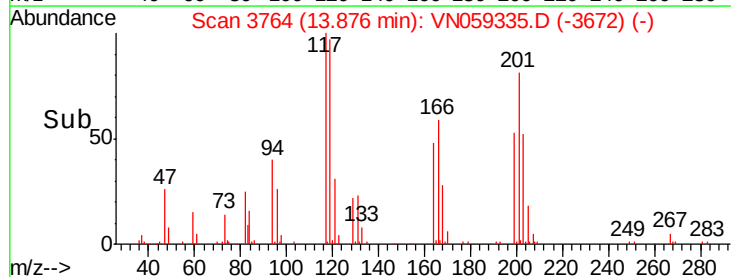
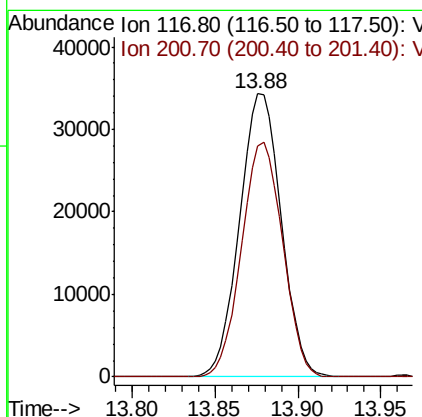
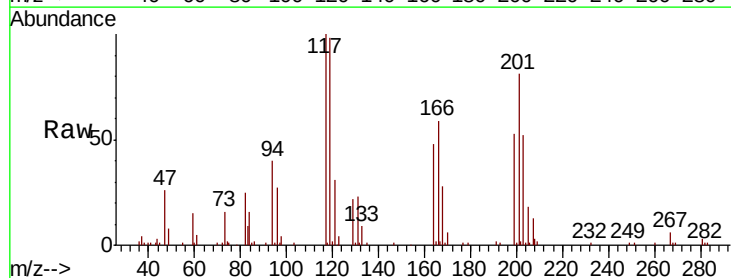
RT: 13.88 min Scan# 3764

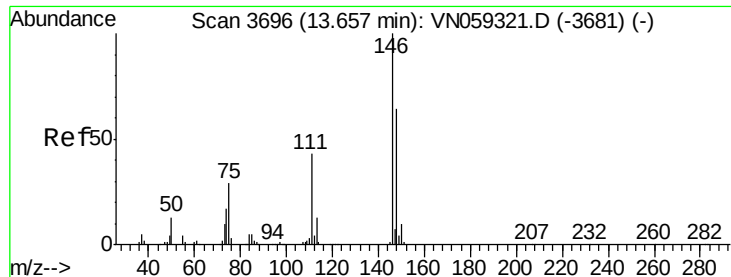
Delta R.T. -0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Tgt Ion:	117	Resp:	60010
Ion	Ratio	Lower	Upper
117	100		
201	81.7	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 18.715 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059335.D

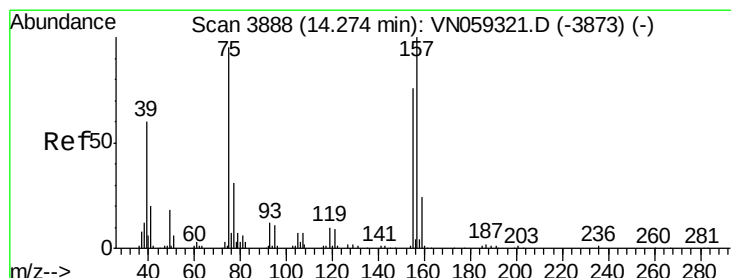
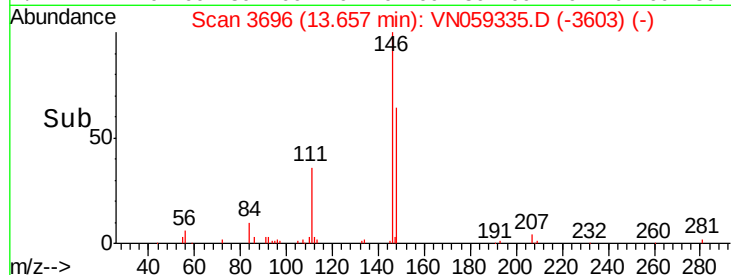
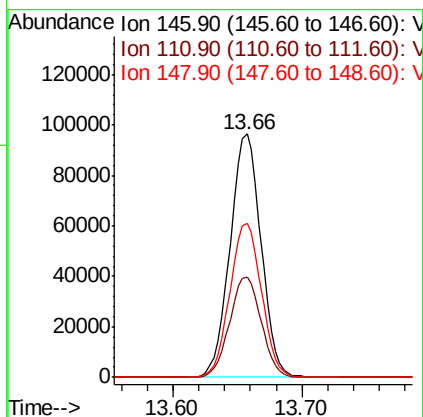
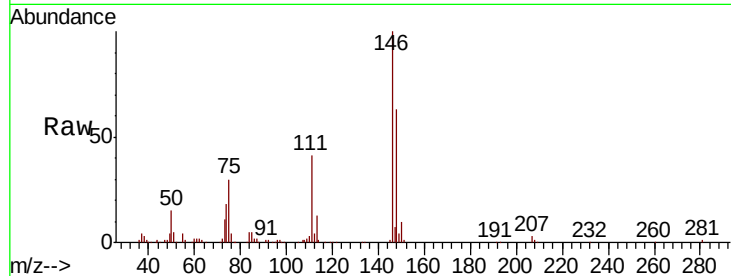
Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	161149
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	64.4	31.9	95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.424 ug/l

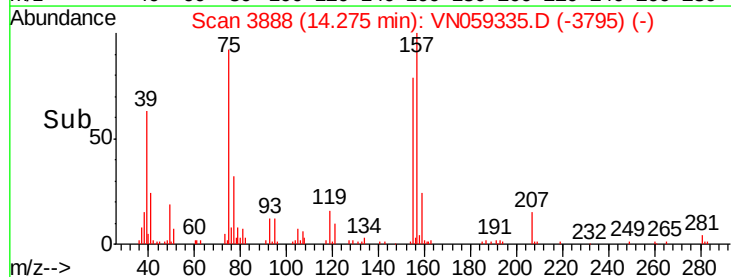
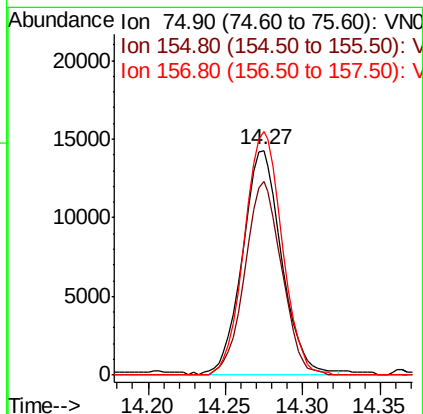
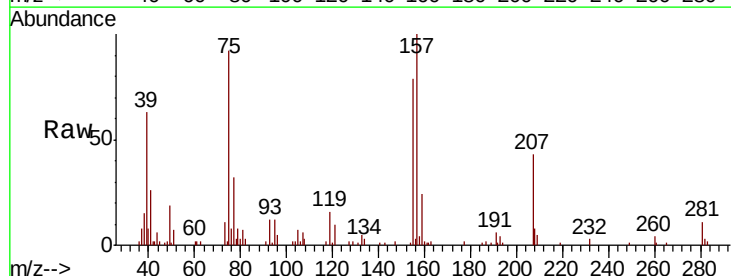
RT: 14.27 min Scan# 3888

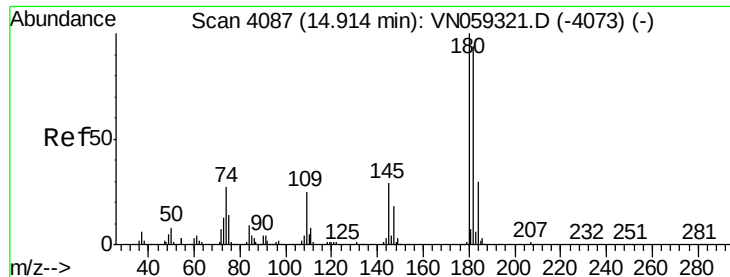
Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Tgt Ion:	75	Resp:	25249
Ion	Ratio	Lower	Upper
75	100		
155	80.8	40.5	121.5
157	104.3	52.7	158.1

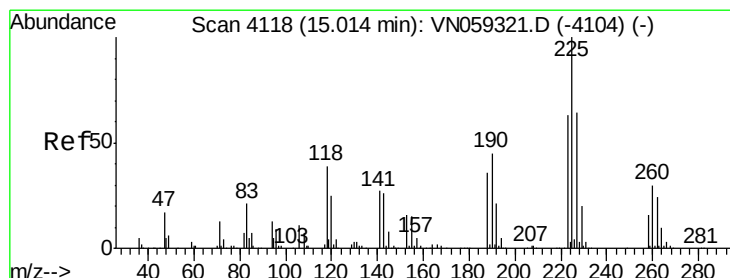
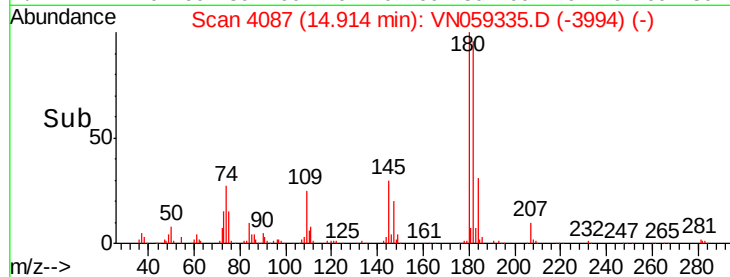
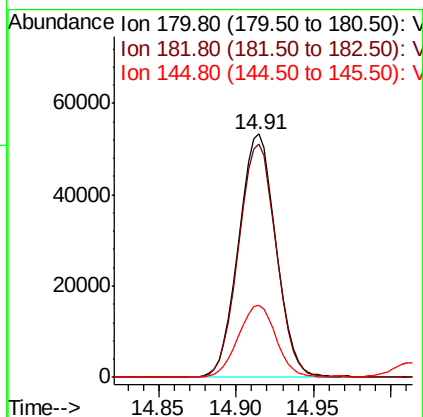
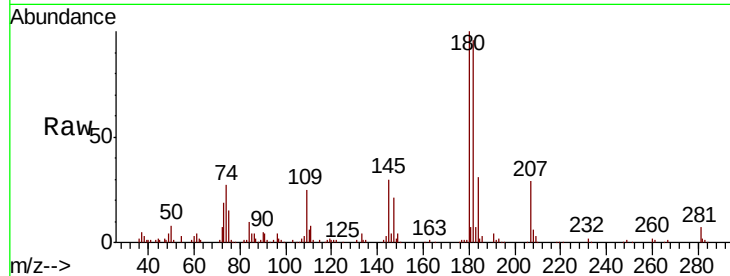




#93
 1,2,4-Trichlorobenzene
 Concen: 18.706 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

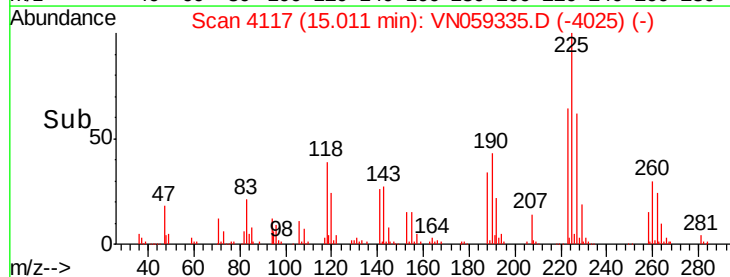
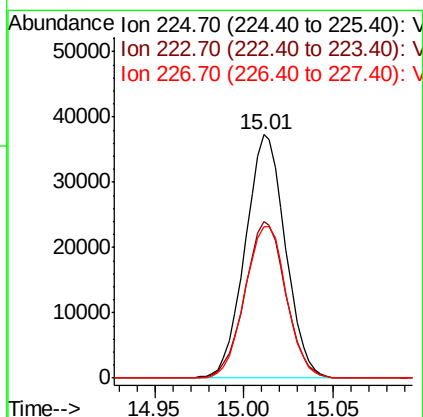
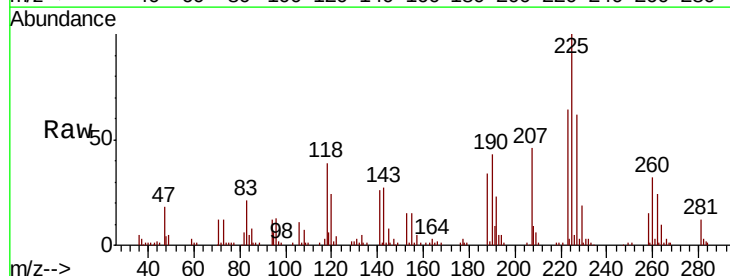
Instrument :
 MSVOA_N
 ClientSampleId :

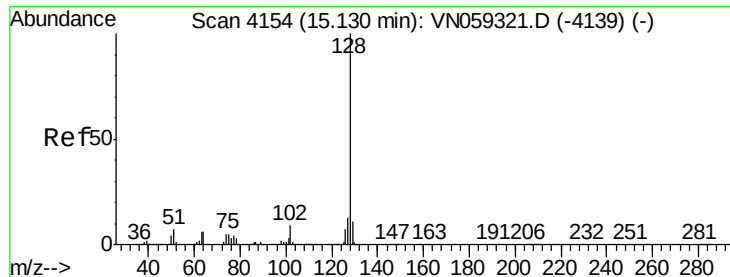
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.2	141.6
145	30.1	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 18.901 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059335.D
 Acq: 21 Nov 2019 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.6	94.8
227	64.2	32.6	97.7





#95

Naphthalene

Concen: 18.158 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

Instrument :

MSVOA_N

ClientSampleId :

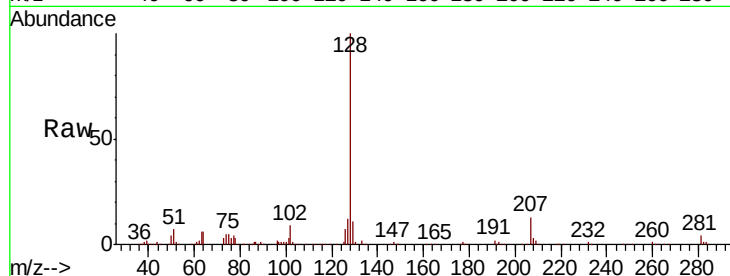
Tot Ion:128 Resp: 237325

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

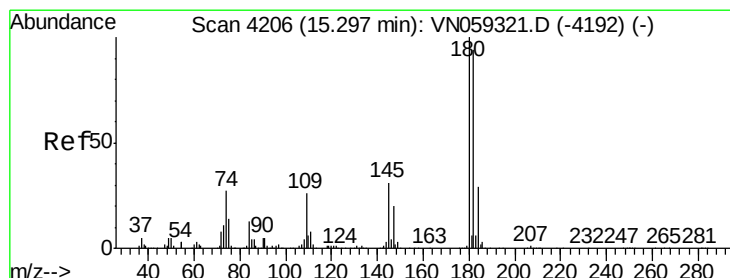
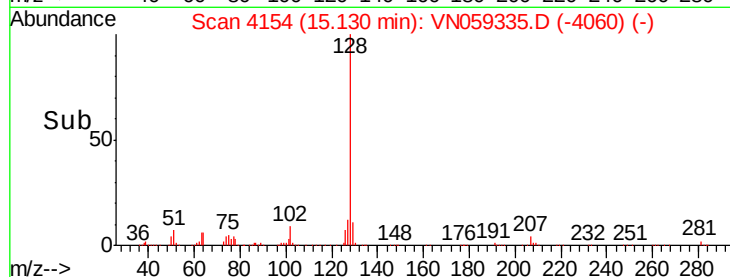
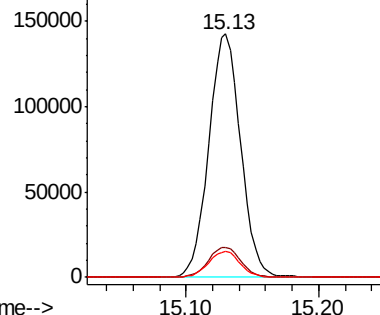
129 10.7 8.6 13.0



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: 18.659 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059335.D

Acq: 21 Nov 2019 15:06

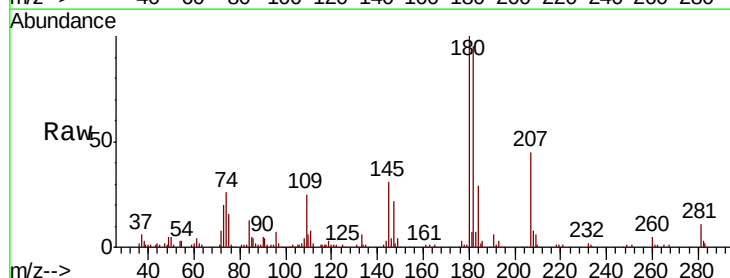
Tgt Ion:180 Resp: 91571

Ion Ratio Lower Upper

180 100

182 94.6 47.1 141.4

145 31.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

