

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059331.D
 Acq On : 21 Nov 2019 13:39
 Operator : JC/SP
 Sample : VN1121WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 05:59:07 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	7.64	168	481973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	762163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	670993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	267953	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.57	113	214022	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	10.08	98	841650	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	286623	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	104669	16.963	ug/l	100
3) Chloromethane	2.04	50	124624	16.487	ug/l	100
4) Vinyl Chloride	2.17	62	132829	17.067	ug/l	99
5) Bromomethane	2.55	94	72472	16.773	ug/l	99
6) Chloroethane	2.69	64	68666	16.166	ug/l	100
7) Trichlorofluoromethane	3.00	101	136692	16.310	ug/l	99
8) Diethyl Ether	3.39	74	59163	17.268	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86966	16.970	ug/l	99
10) Methyl Iodide	3.93	142	105524	16.568	ug/l	98
11) Tert butyl alcohol	4.76	59	89252	77.087	ug/l	99
12) 1,1-Dichloroethene	3.71	96	85706	16.476	ug/l	97
13) Acrolein	3.58	56	72542	68.636	ug/l	99
14) Allyl chloride	4.29	41	160513	16.518	ug/l	100
15) Acrylonitrile	4.96	53	242544	79.230	ug/l	100
16) Acetone	3.79	43	201481	77.704	ug/l	100
17) Carbon Disulfide	4.03	76	271960	16.775	ug/l	100
18) Methyl Acetate	4.30	43	136271	15.836	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	285750	17.008	ug/l	100
20) Methylene Chloride	4.53	84	95370	16.308	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	90644	16.442	ug/l	98
22) Diisopropyl ether	5.92	45	308226	16.846	ug/l	97
23) Vinyl Acetate	5.87	43	1215115	84.454	ug/l	99
24) 1,1-Dichloroethane	5.82	63	177995	17.283	ug/l	99
25) 2-Butanone	6.81	43	317606	78.771	ug/l	98
26) 2,2-Dichloropropane	6.79	77	150242	16.848	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	104403	16.785	ug/l	99
28) Bromochloromethane	7.17	49	80467	20.631	ug/l	97
29) Tetrahydrofuran	7.19	42	217791	78.118	ug/l	100
30) Chloroform	7.35	83	170064	16.926	ug/l	98
31) Cyclohexane	7.63	56	168854	16.583	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	141813	16.515	ug/l	100
36) 1,1-Dichloropropene	7.77	75	129685	16.482	ug/l	99
37) Ethyl Acetate	6.90	43	133845	15.828	ug/l	98
38) Carbon Tetrachloride	7.75	117	125571	16.671	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	157767	16.628	ug/l	99
40) Benzene	8.02	78	389204	16.854	ug/l	99
41) Methacrylonitrile	7.14	41	55387	14.755	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	128054	16.766	ug/l	99
43) Isopropyl Acetate	8.15	43	210033	16.252	ug/l	99
44) Trichloroethene	8.82	130	98570	16.842	ug/l	99
45) 1,2-Dichloropropane	9.10	63	104831	17.024	ug/l	98
46) Dibromomethane	9.19	93	64014	16.948	ug/l	97
47) Bromodichloromethane	9.39	83	128235	16.952	ug/l	98
48) Methyl methacrylate	9.19	41	91542	15.577	ug/l	99
49) 1,4-Dioxane	9.19	88	29958	339.181	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	635979	84.076	ug/l	100
52) Toluene	10.15	92	233452	16.812	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	146556	16.666	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	162442	17.024	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	92419	17.118	ug/l	98
56) Ethyl methacrylate	10.42	69	133067	16.146	ug/l	100
57) 1,3-Dichloropropane	10.70	76	157291	16.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	228733	84.899	ug/l	99
59) 2-Hexanone	10.75	43	442613	79.909	ug/l	99
60) Dibromochloromethane	10.90	129	94662	16.639	ug/l	100
61) 1,2-Dibromoethane	11.00	107	92301	16.431	ug/l	98
64) Tetrachloroethene	10.63	164	86947	16.754	ug/l	98
65) Chlorobenzene	11.43	112	243589	16.883	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89243	17.027	ug/l	99
67) Ethyl Benzene	11.51	91	439785	17.072	ug/l	99
68) m/p-Xylenes	11.62	106	324798	33.931	ug/l	99
69) o-Xylene	11.95	106	154361	16.844	ug/l	100
70) Styrene	11.96	104	245201	16.957	ug/l	100
71) Bromoform	12.13	173	65710	16.554	ug/l #	100
73) Isopropylbenzene	12.25	105	413559	16.890	ug/l	99
74) N-amyl acetate	12.07	43	150298	15.274	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132299	16.334	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	173653	25.148	ug/l #	100
77) Bromobenzene	12.53	156	99134	16.693	ug/l	98
78) n-propylbenzene	12.59	91	474533	17.110	ug/l	100
79) 2-Chlorotoluene	12.68	91	284543	16.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	348410	16.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43726	15.838	ug/l	98
82) 4-Chlorotoluene	12.77	91	289634	16.441	ug/l	99
83) tert-Butylbenzene	12.99	119	297303	17.103	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	343228	17.023	ug/l	100
85) sec-Butylbenzene	13.17	105	394347	16.878	ug/l	99
86) p-Isopropyltoluene	13.29	119	350691	16.868	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	170885	16.158	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	171307	16.371	ug/l	100
89) n-Butylbenzene	13.62	91	299636	16.429	ug/l	100
90) Hexachloroethane	13.88	117	64570	16.399	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	164645	16.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25333	14.711	ug/l	95

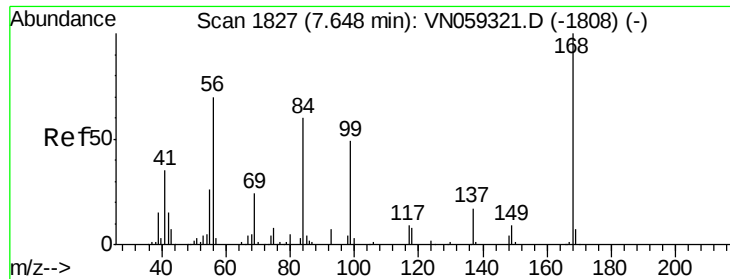
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	88497	16.027	ug/l	97
94) Hexachlorobutadiene	15.01	225	59408	16.115	ug/l	99
95) Naphthalene	15.13	128	230052	15.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	90720	15.872	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

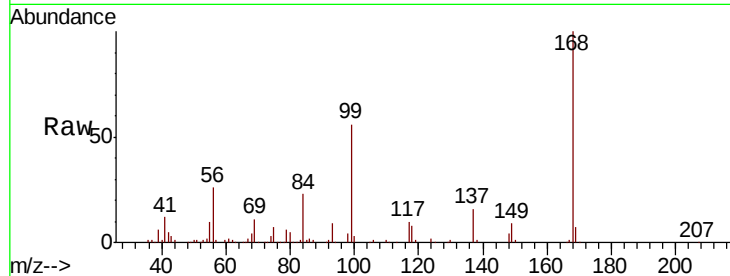
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 481973

Ion Ratio Lower Upper

168 100

99 55.4 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

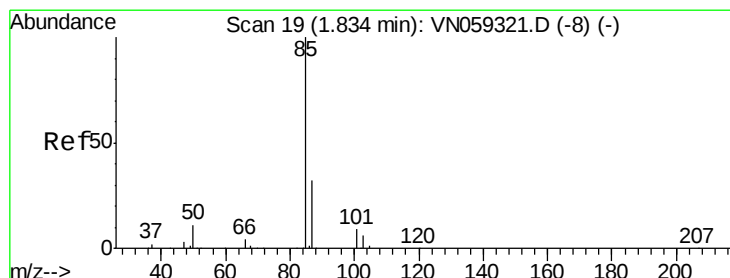
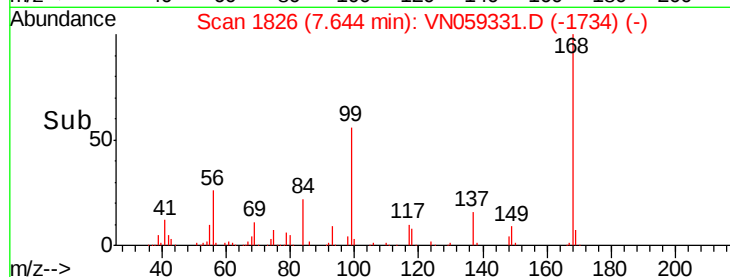
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.963 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059331.D

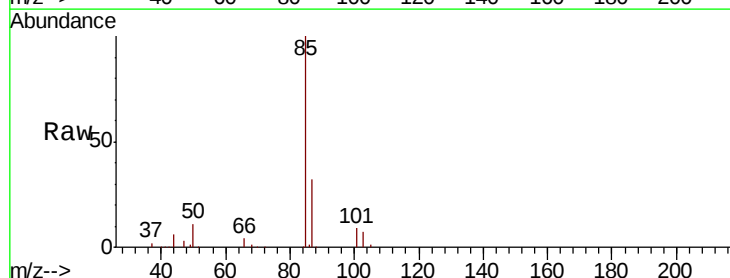
Acq: 21 Nov 2019 13:39

Tgt Ion: 85 Resp: 104669

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

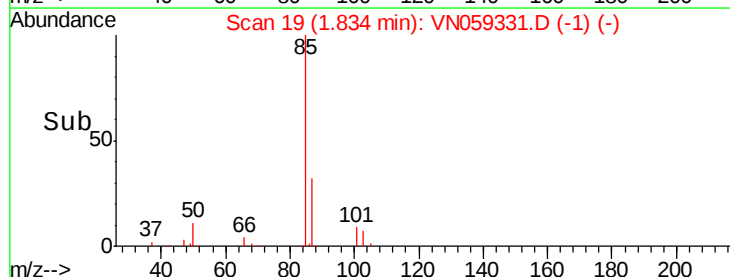
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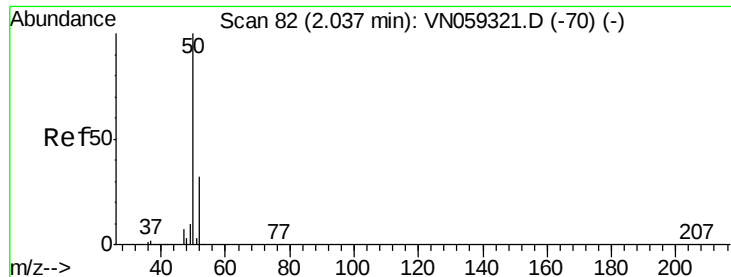
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.487 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

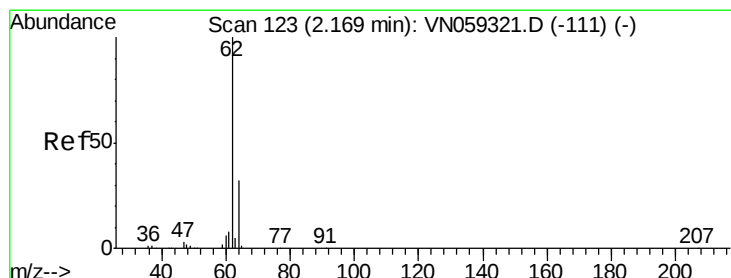
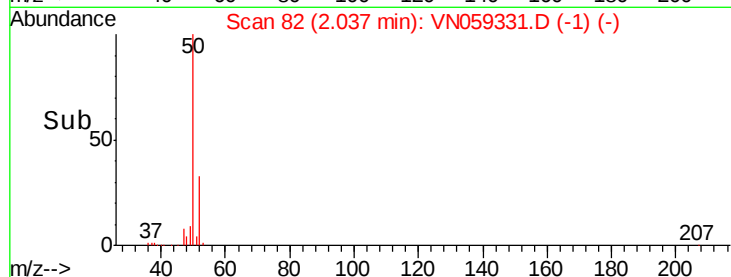
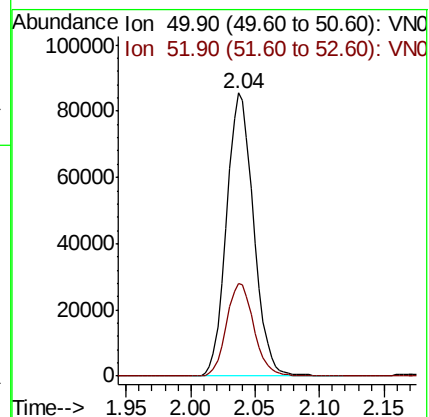
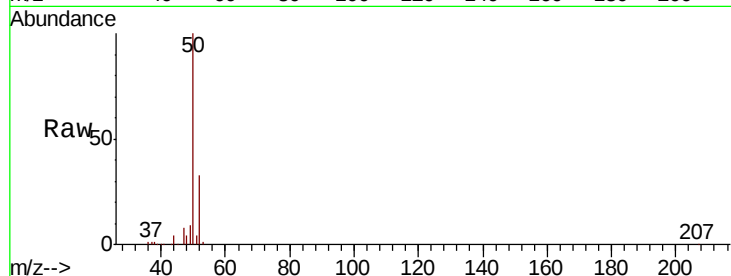
ClientSampleId :

Tot Ion: 50 Resp: 124624

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 17.067 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059331.D

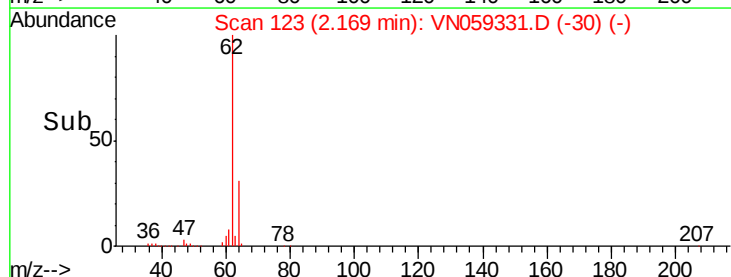
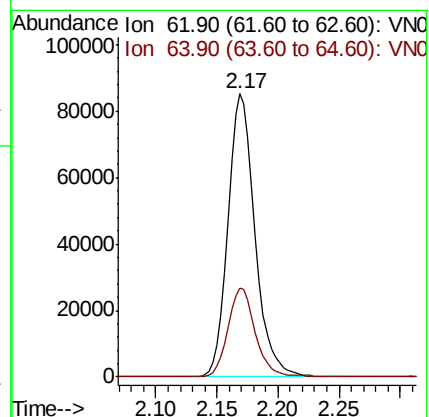
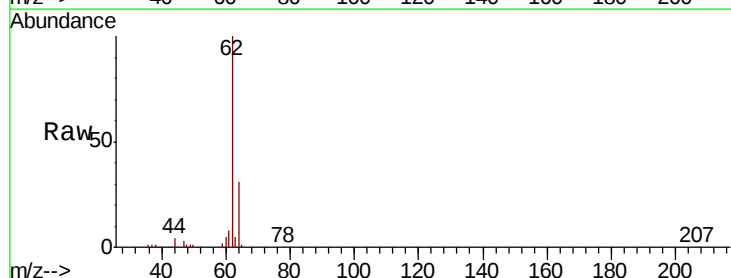
Acq: 21 Nov 2019 13:39

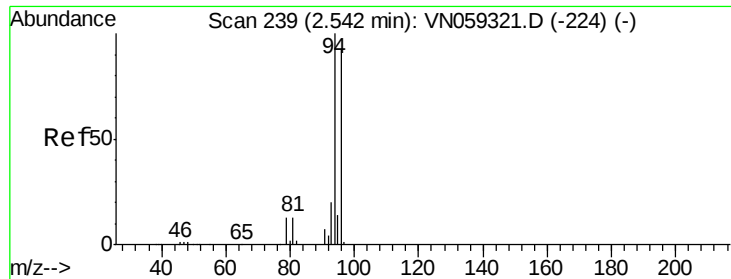
Tgt Ion: 62 Resp: 132829

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 16.773 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

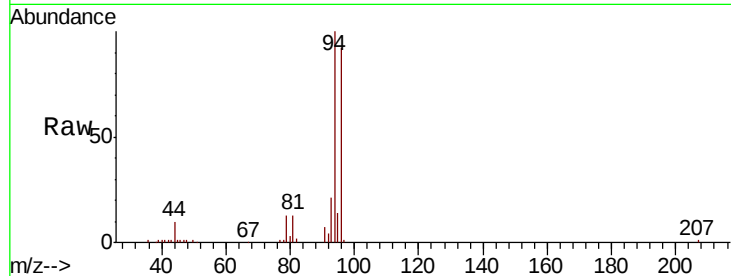
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 72472

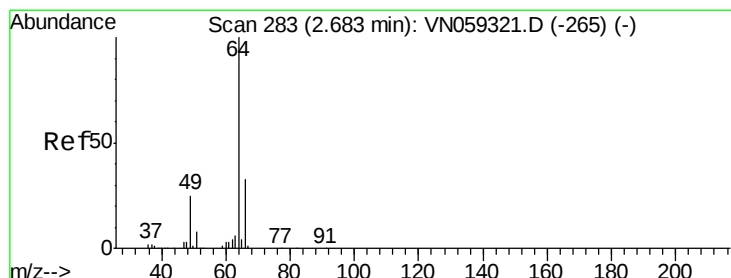
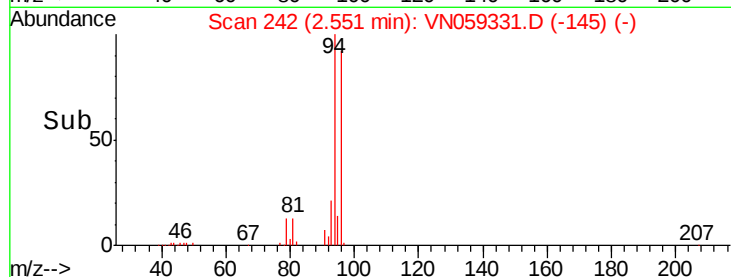
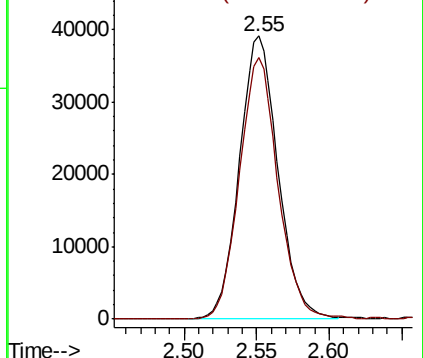
Ion Ratio Lower Upper

94 100

96 92.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.166 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059331.D

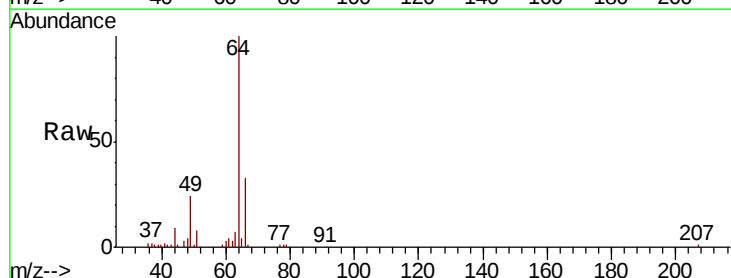
Acq: 21 Nov 2019 13:39

Tgt Ion: 64 Resp: 68666

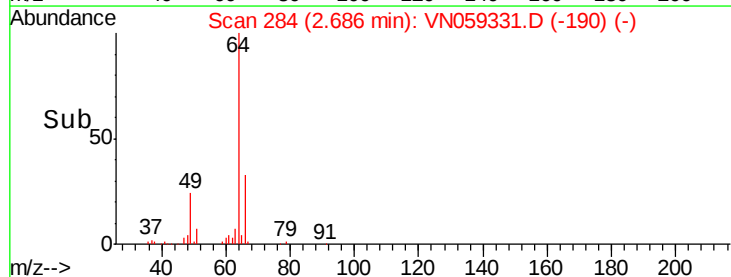
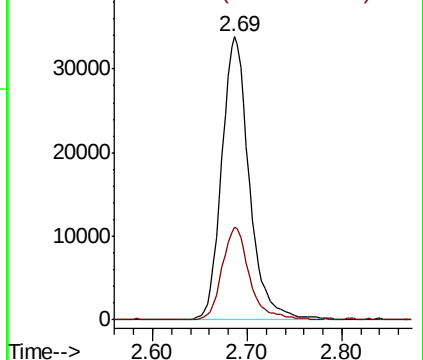
Ion Ratio Lower Upper

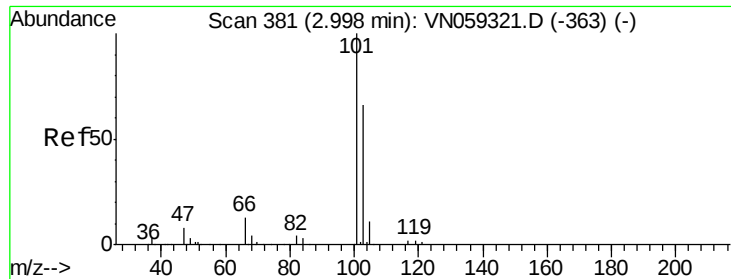
64 100

66 32.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



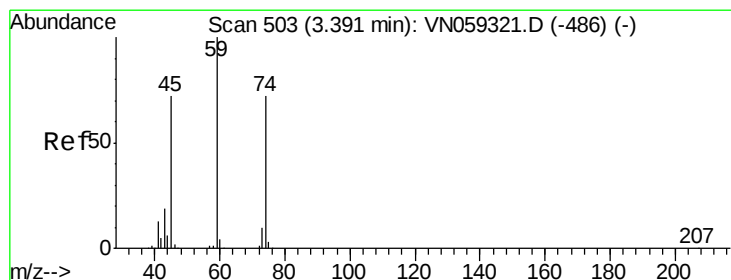
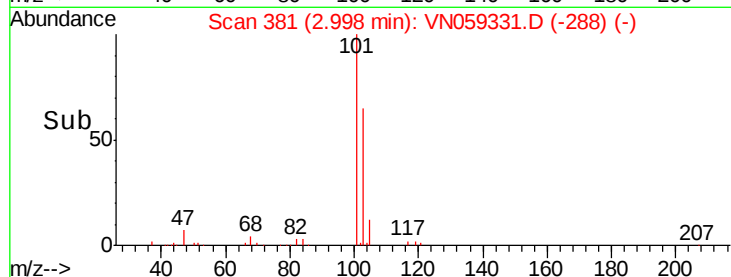
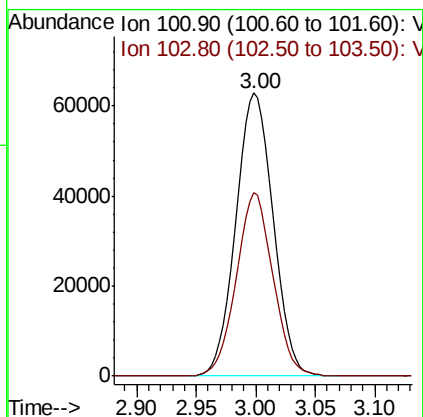
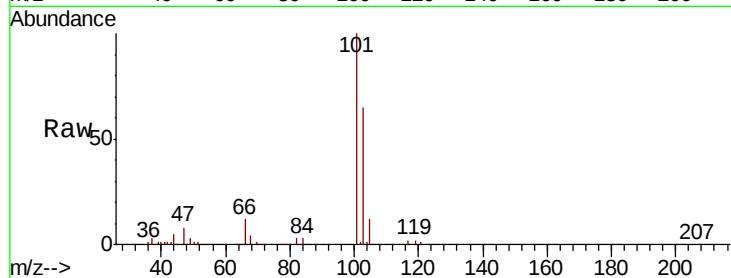


#7

Trichlorofluoromethane
 Concen: 16.310 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :

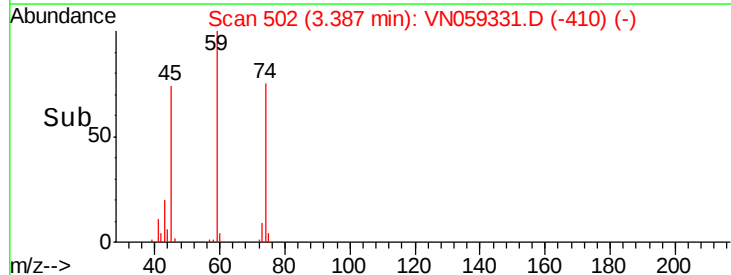
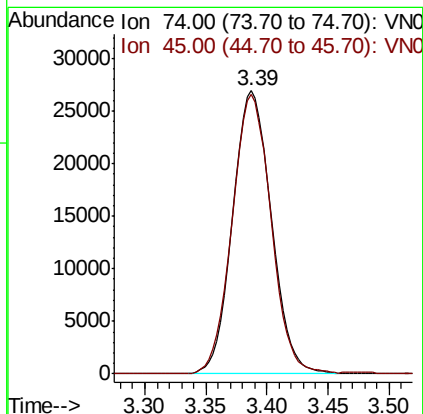
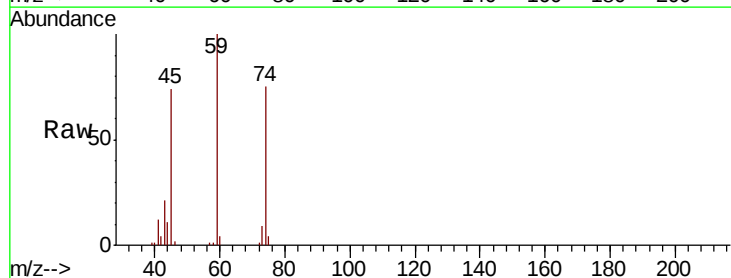
Tot Ion:101 Resp: 136692
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.5 78.7

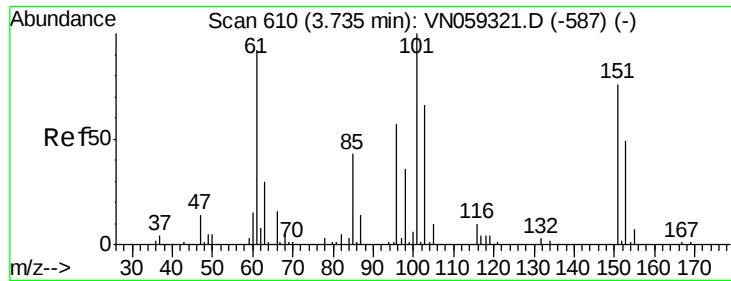


#8

Diethyl Ether
 Concen: 17.268 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion: 74 Resp: 59163
 Ion Ratio Lower Upper
 74 100
 45 99.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.970 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

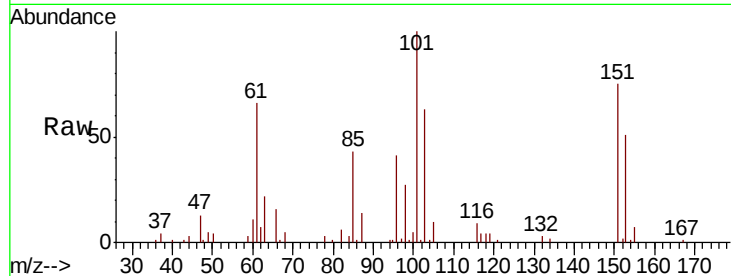
Tot Ion:101 Resp: 86966

Ion Ratio Lower Upper

101 100

85 43.8 34.8 52.2

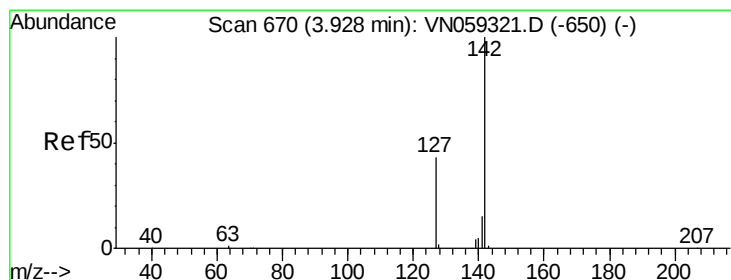
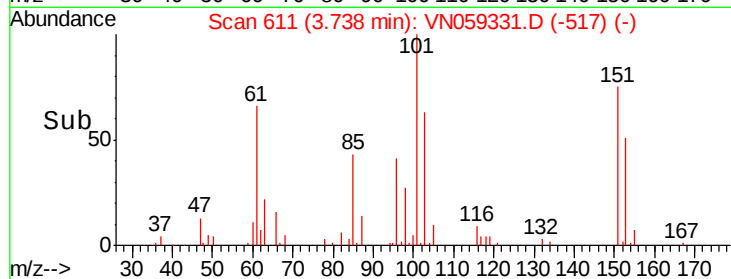
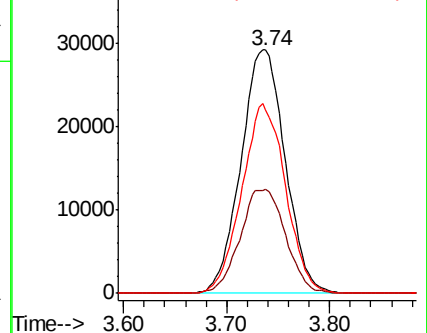
151 76.9 62.2 93.4



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: 16.568 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

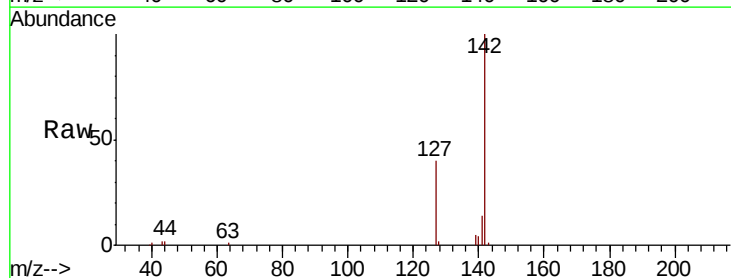
Tgt Ion:142 Resp: 105524

Ion Ratio Lower Upper

142 100

127 40.8 33.8 50.6

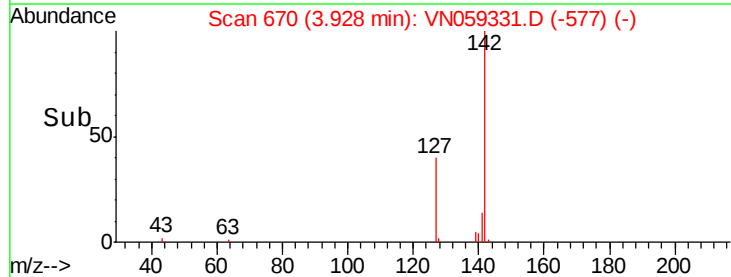
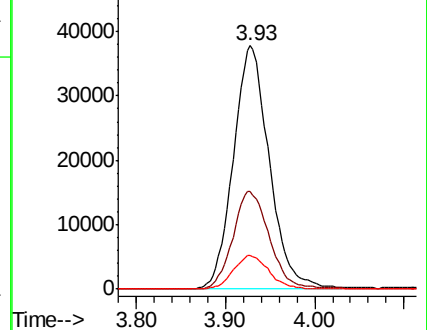
141 13.6 11.2 16.8

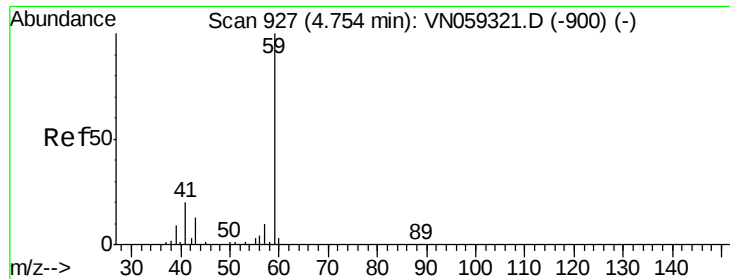


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



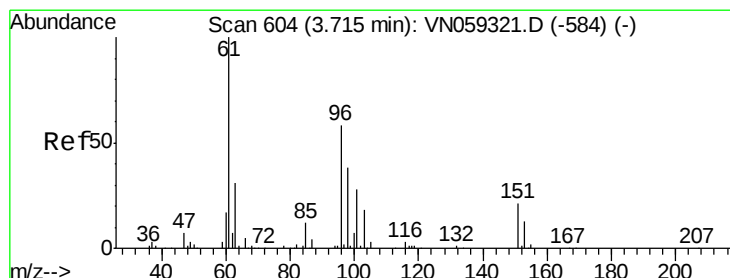
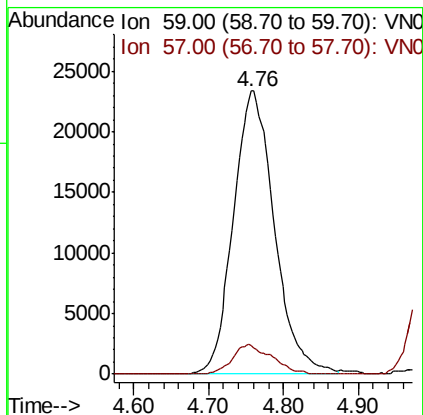
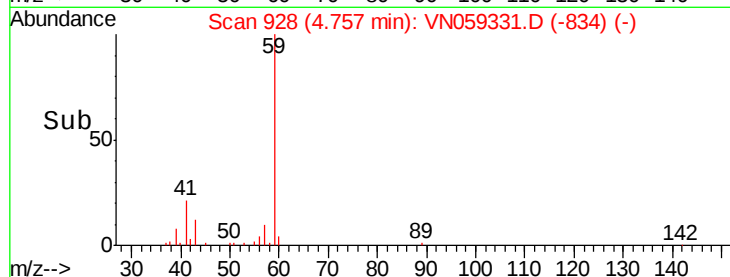
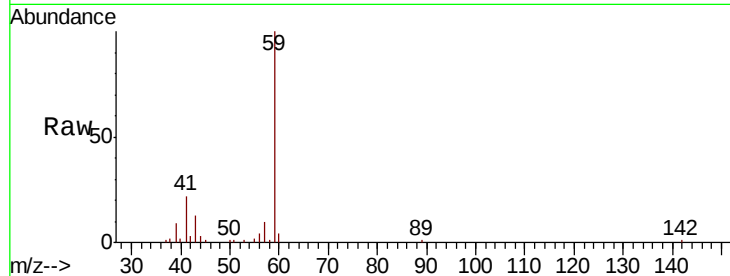


#11

Tert butyl alcohol
 Concen: 77.087 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :

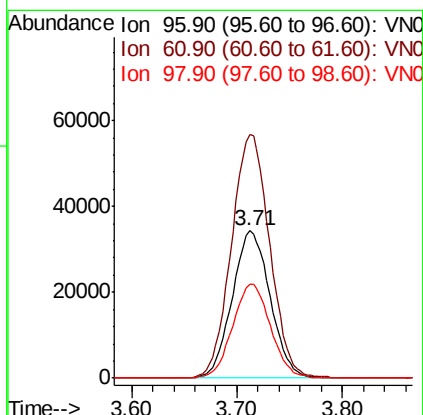
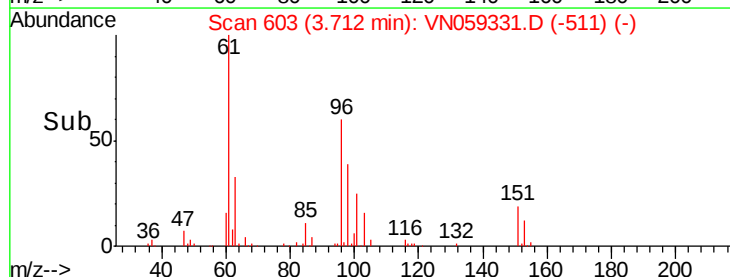
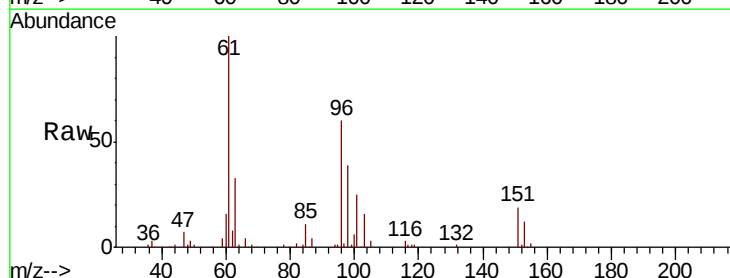
Tot Ion: 59 Resp: 89252
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

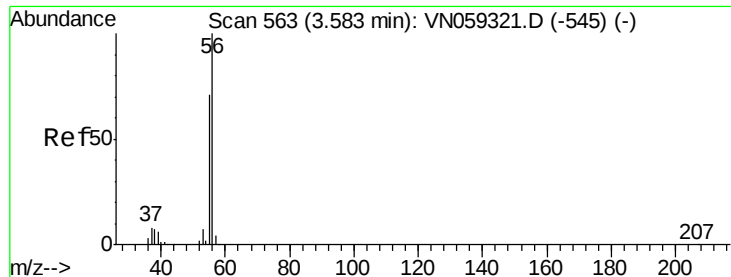


#12

1,1-Dichloroethene
 Concen: 16.476 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion: 96 Resp: 85706
 Ion Ratio Lower Upper
 96 100
 61 165.3 136.8 205.2
 98 64.1 51.6 77.4





#13

Acrolein

Concen: 68.636 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

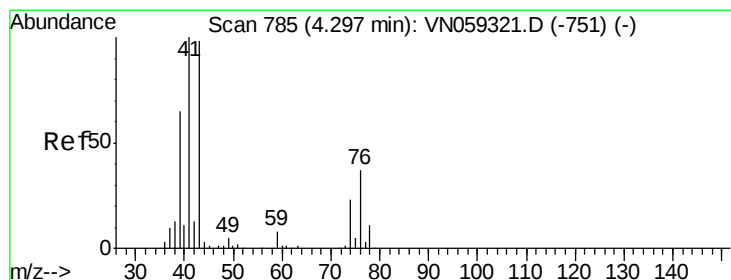
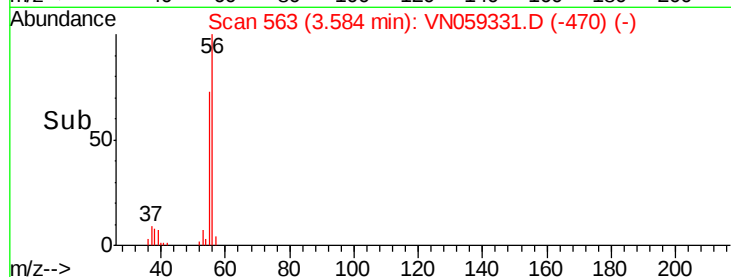
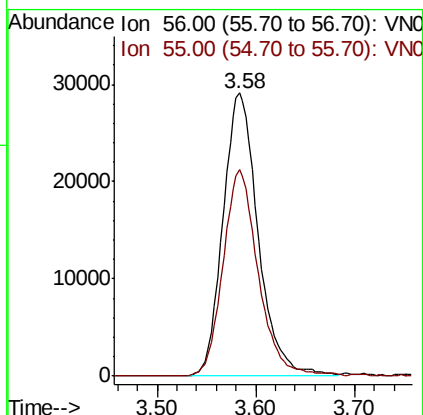
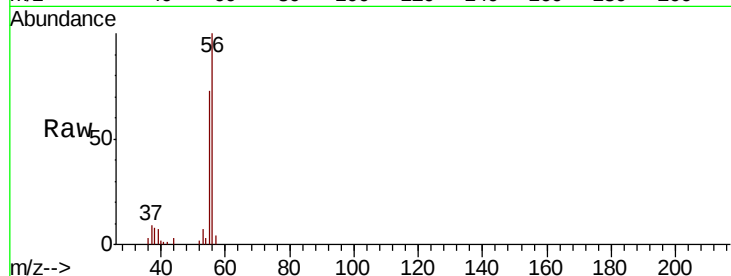
ClientSampleId :

Tot Ion: 56 Resp: 72542

Ion Ratio Lower Upper

56 100

55 72.9 57.4 86.0



#14

Allyl chloride

Concen: 16.518 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

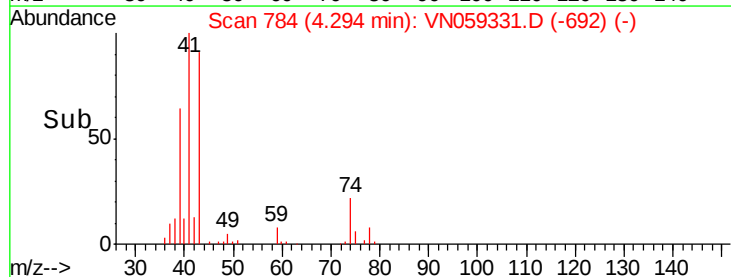
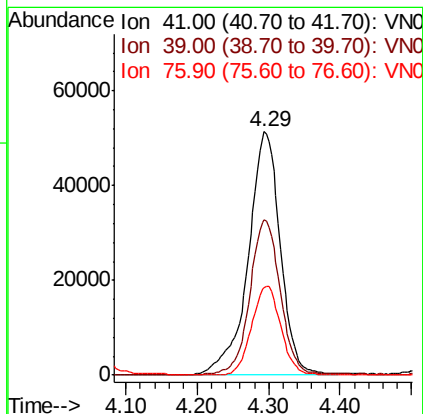
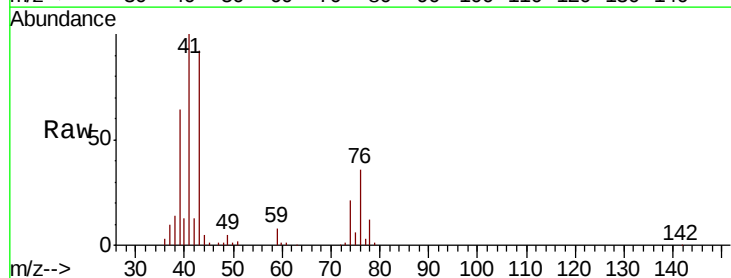
Tgt Ion: 41 Resp: 160513

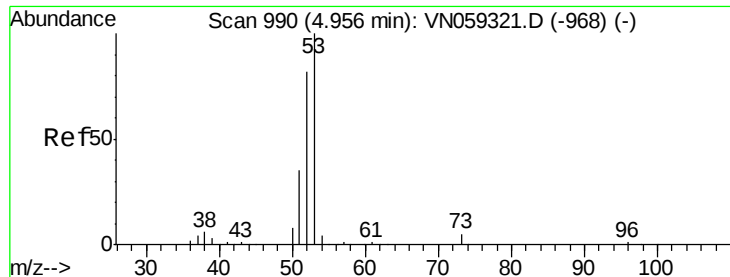
Ion Ratio Lower Upper

41 100

39 60.5 48.4 72.6

76 33.1 26.2 39.4





#15

Acrylonitrile

Concen: 79.230 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

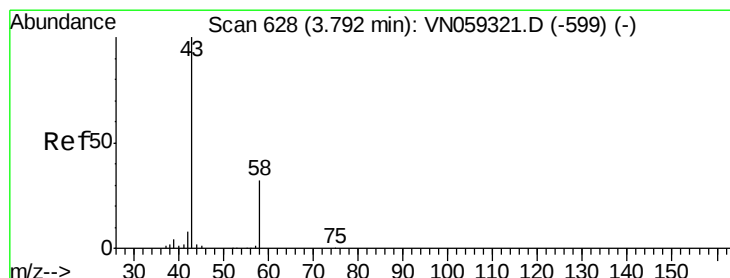
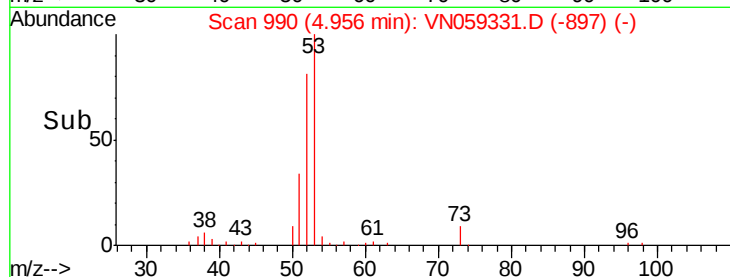
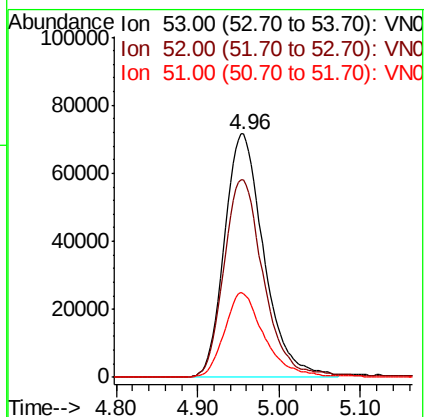
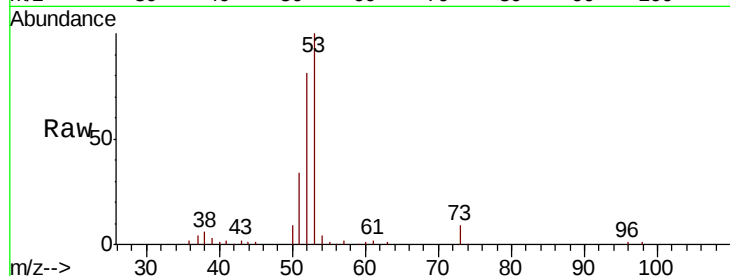
Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 242544

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.4	28.2	42.2



#16

Acetone

Concen: 77.704 ug/l

RT: 3.79 min Scan# 628

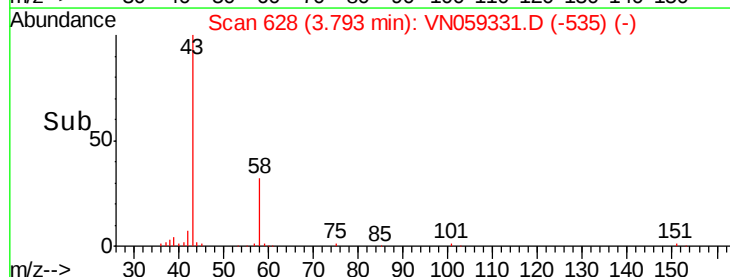
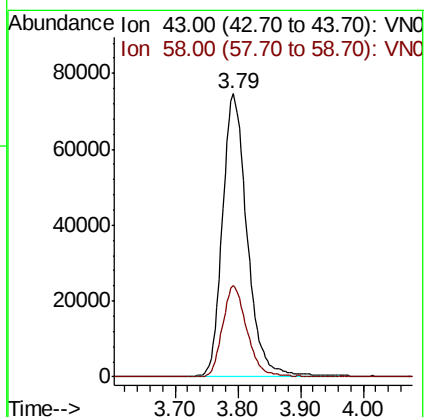
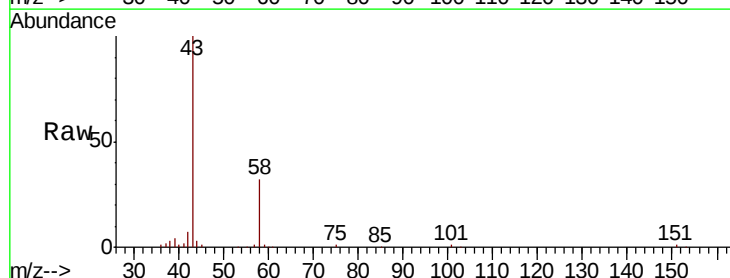
Delta R.T. 0.00 min

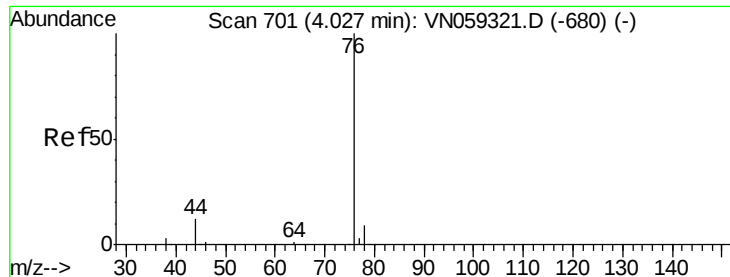
Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Tgt Ion: 43 Resp: 201481

Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.8	38.6

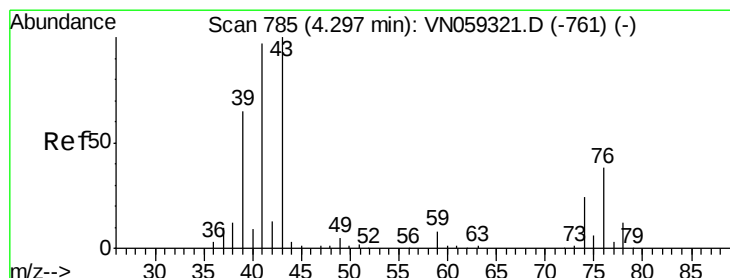
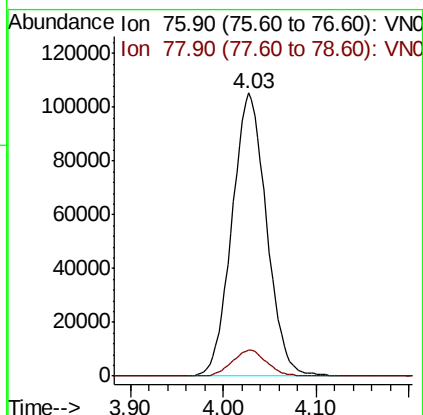
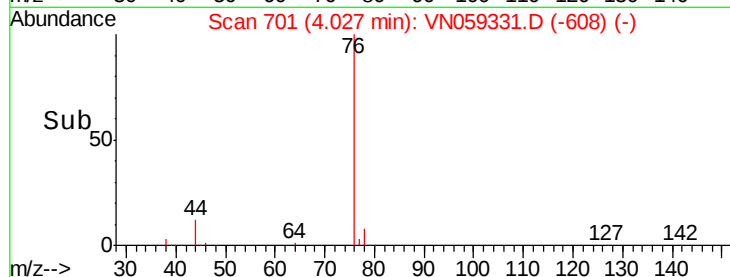
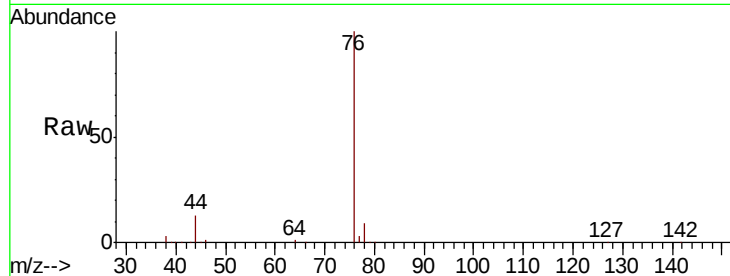




#17
Carbon Disulfide
Concen: 16.775 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

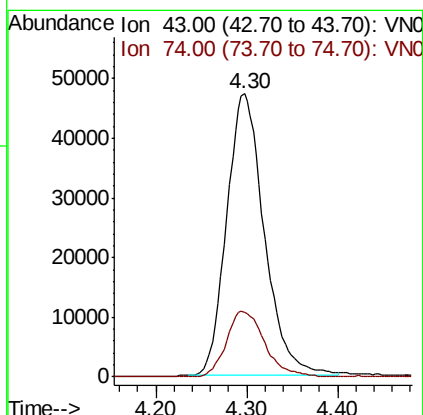
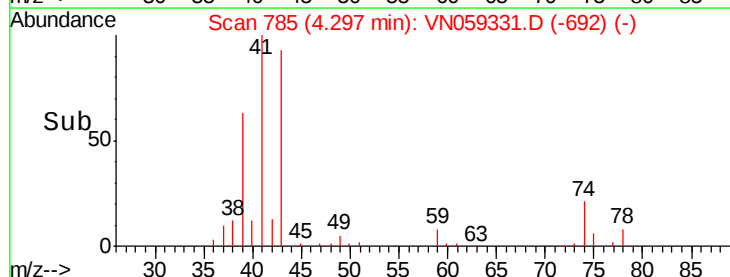
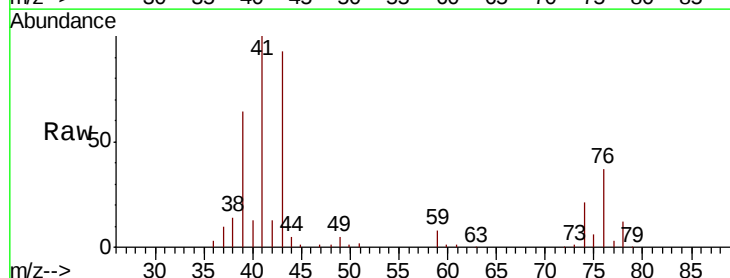
Instrument :
MSVOA_N
ClientSampled :

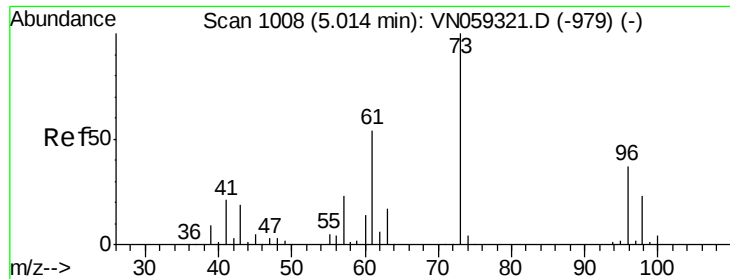
Tot Ion: 76 Resp: 271960
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 15.836 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 43 Resp: 136271
Ion Ratio Lower Upper
43 100
74 23.7 18.1 27.1

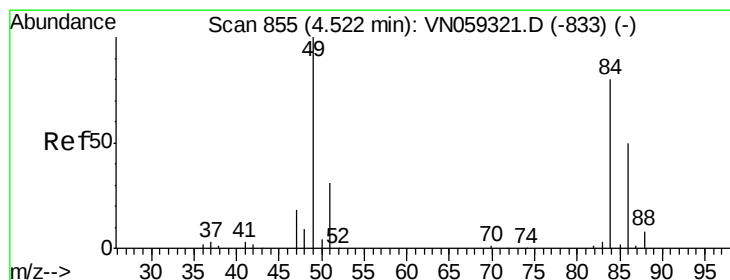
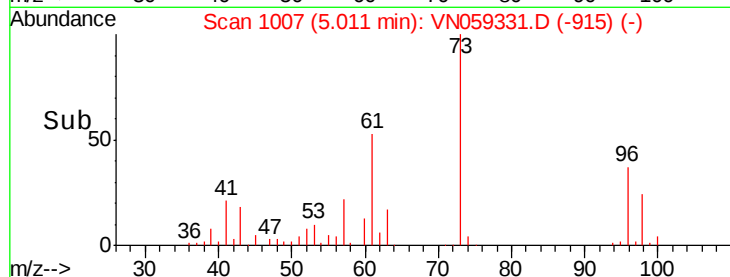
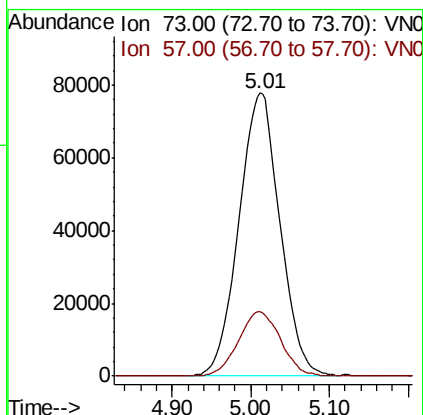
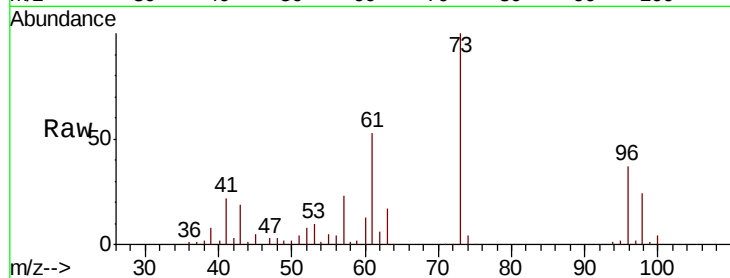




#19
Methvl tert-butvl Ether
Concen: 17.008 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

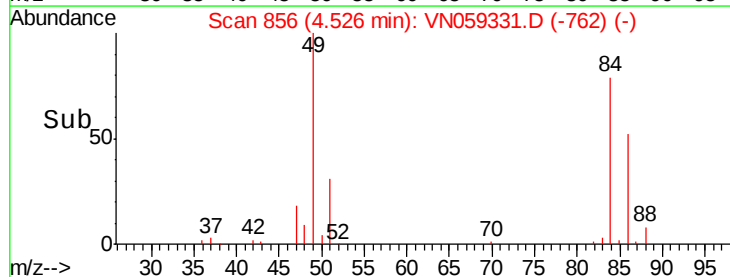
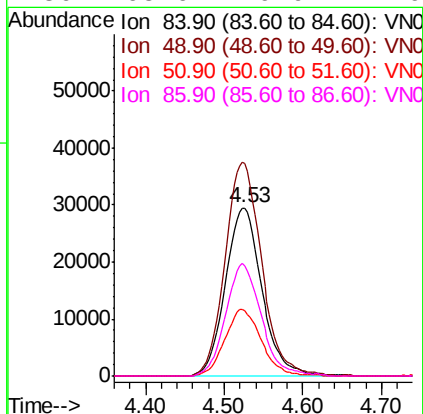
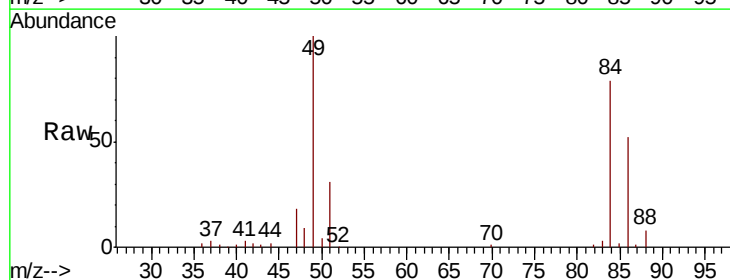
Instrument :
MSVOA_N
ClientSampled :

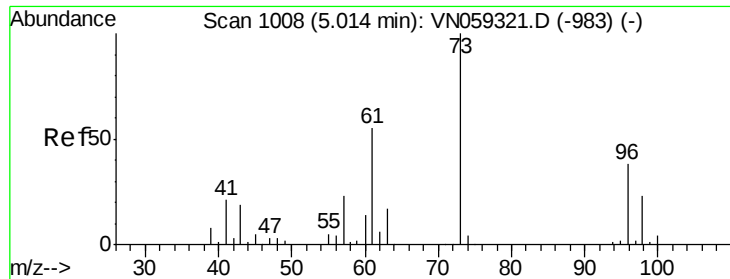
Tot Ion: 73 Resp: 285750
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 16.308 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 84 Resp: 95370
Ion Ratio Lower Upper
84 100
49 126.5 99.5 149.3
51 38.7 31.1 46.7
86 65.6 49.9 74.9

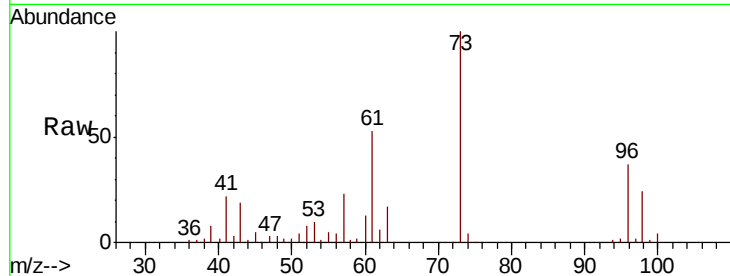




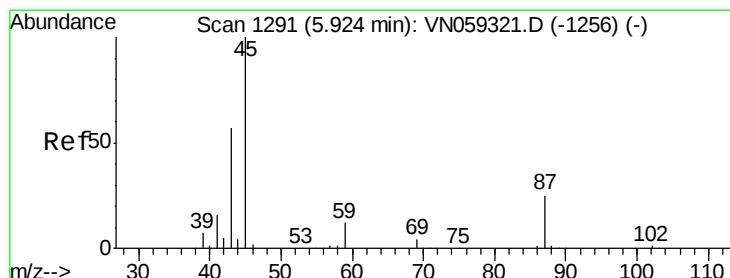
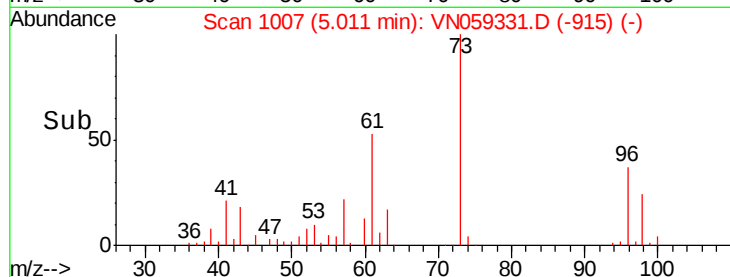
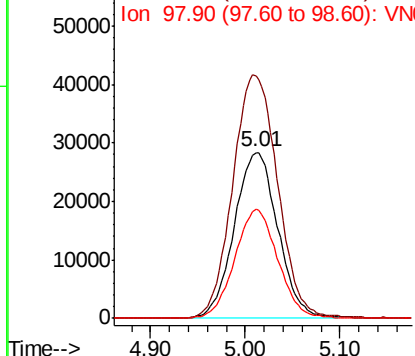
#21
trans-1,2-Dichloroethene
Concen: 16.442 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 90644
Ion Ratio Lower Upper
96 100
61 145.9 116.4 174.6
98 65.8 49.6 74.4

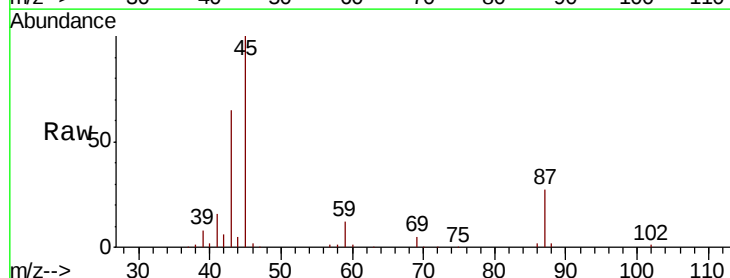


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

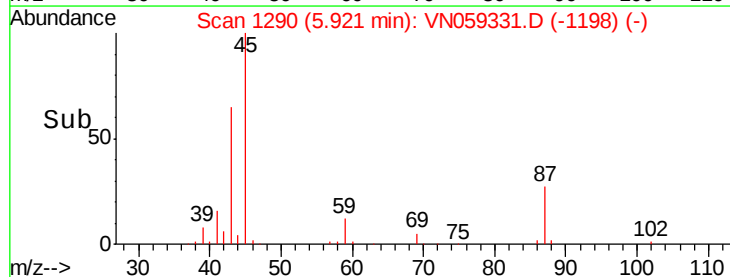
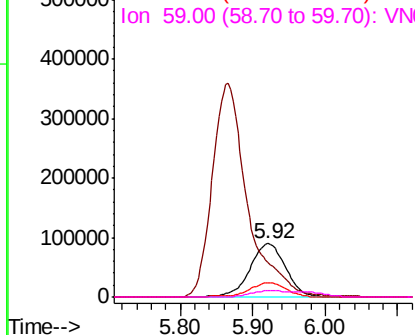


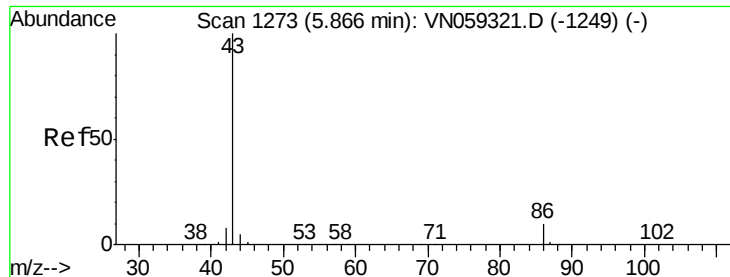
#22
Diisopropyl ether
Concen: 16.846 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 45 Resp: 308226
Ion Ratio Lower Upper
45 100
43 62.5 47.6 71.4
87 26.6 20.7 31.1
59 12.1 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

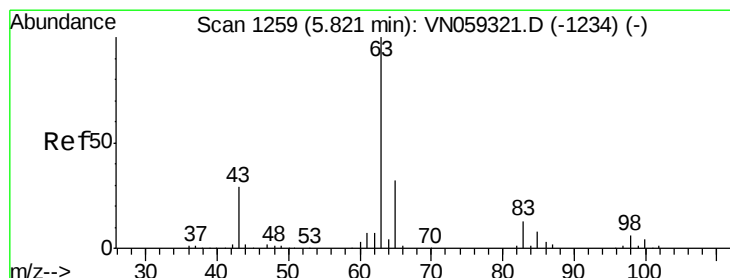
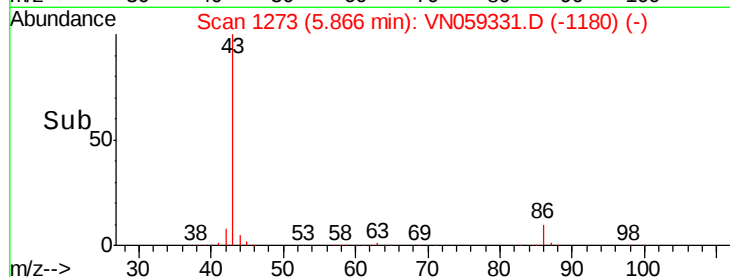
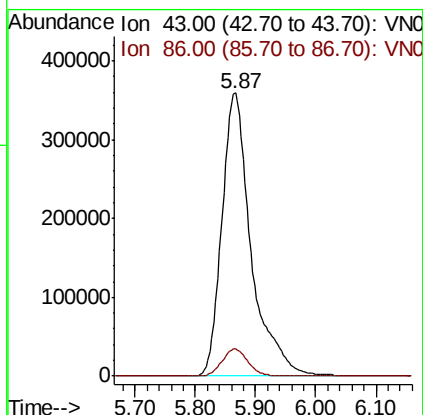
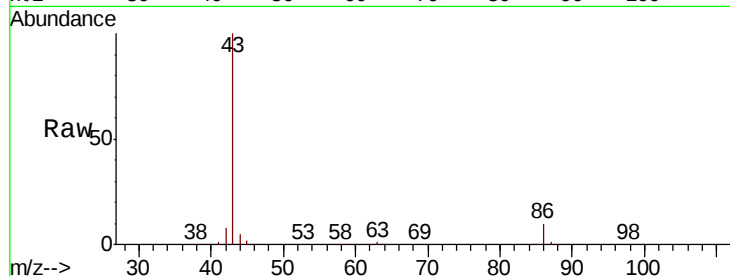




#23
 Vinyl Acetate
 Concen: 84.454 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

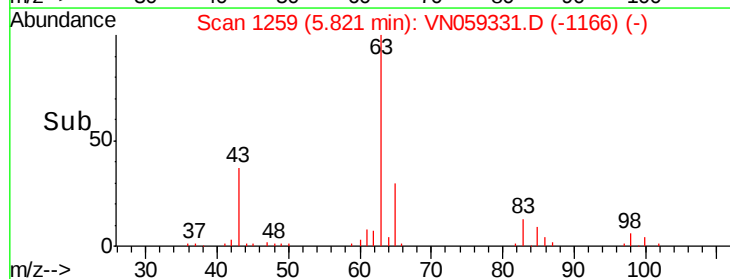
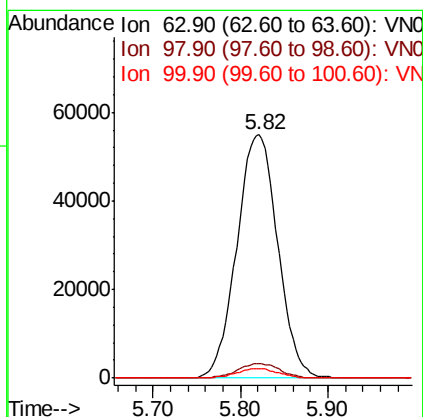
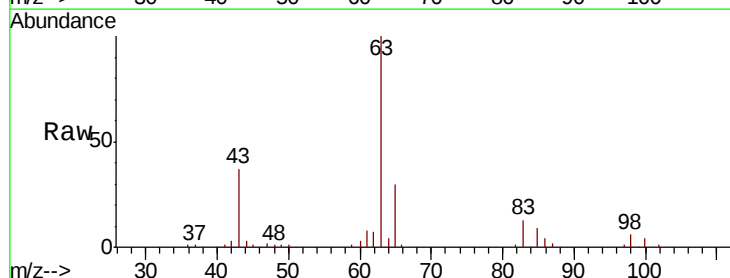
Instrument :
 MSVOA_N
 ClientSampled :

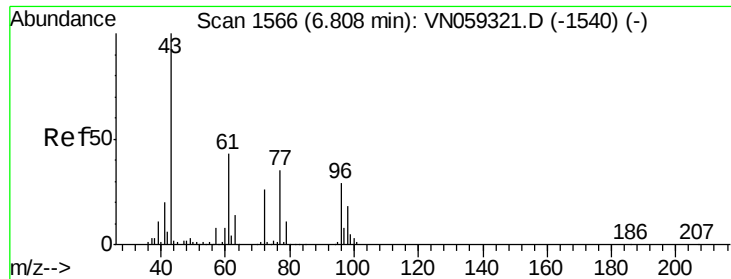
Tot Ion: 43 Resp: 1215115
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 17.283 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion: 63 Resp: 177995
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 78.771 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

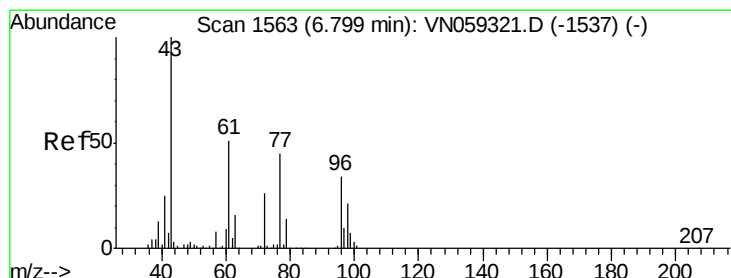
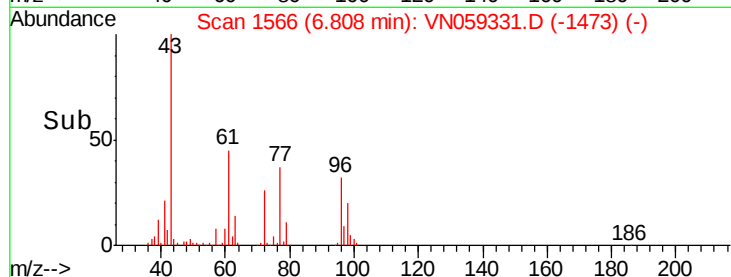
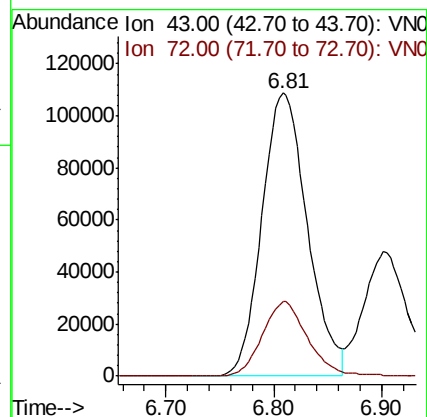
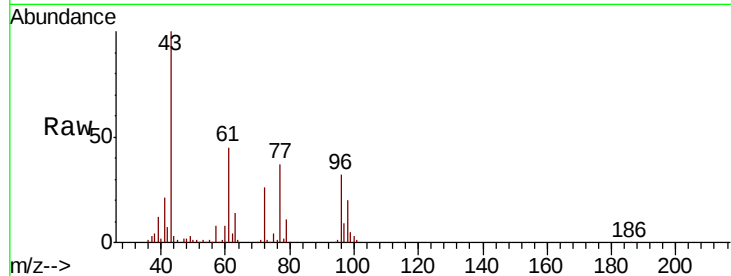
ClientSampled :

Tot Ion: 43 Resp: 317606

Ion Ratio Lower Upper

43 100

72 26.4 20.5 30.7



#26

2,2-Dichloropropane

Concen: 16.848 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059331.D

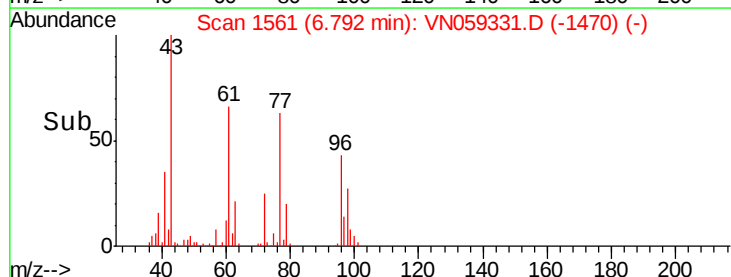
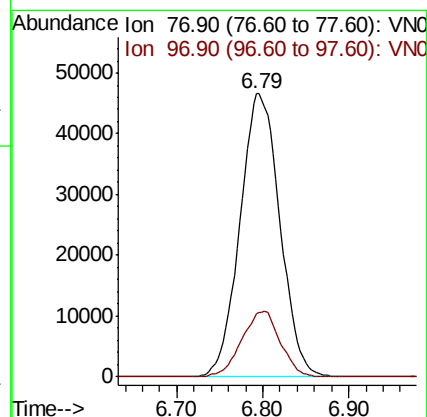
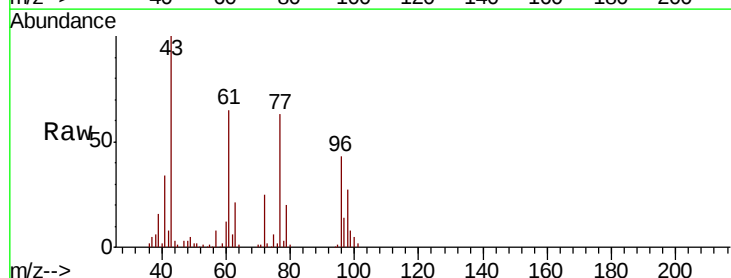
Acq: 21 Nov 2019 13:39

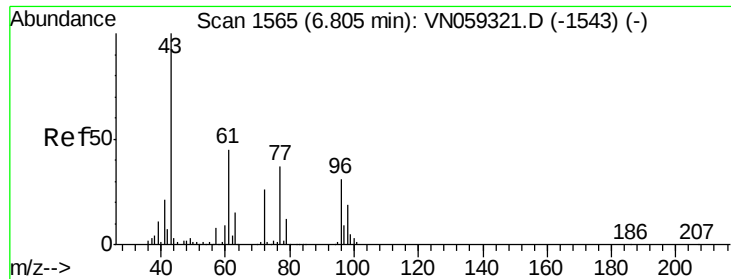
Tgt Ion: 77 Resp: 150242

Ion Ratio Lower Upper

77 100

97 22.4 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 16.785 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

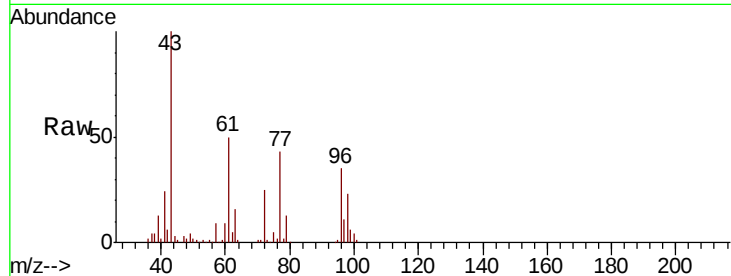
Tot Ion: 96 Resp: 104403

Ion Ratio Lower Upper

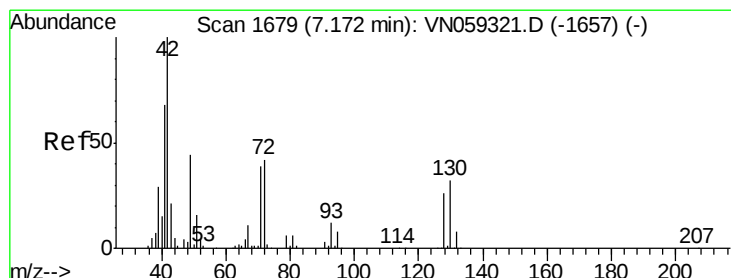
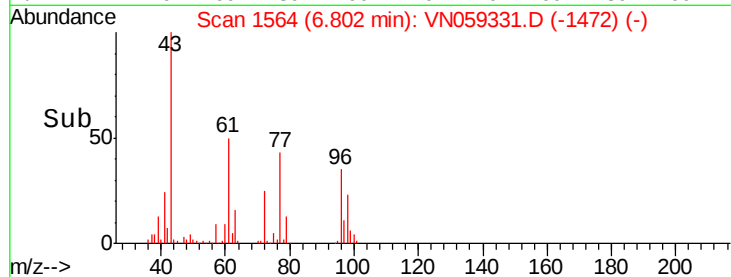
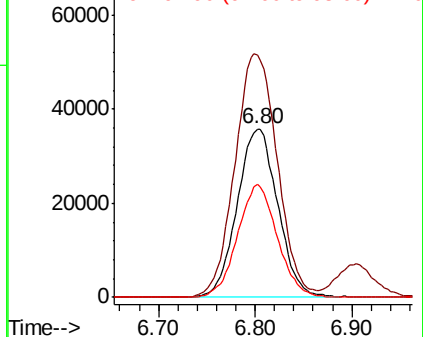
96 100

61 151.0 0.0 304.0

98 65.4 0.0 128.4



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



#28

Bromochloromethane

Concen: 20.631 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

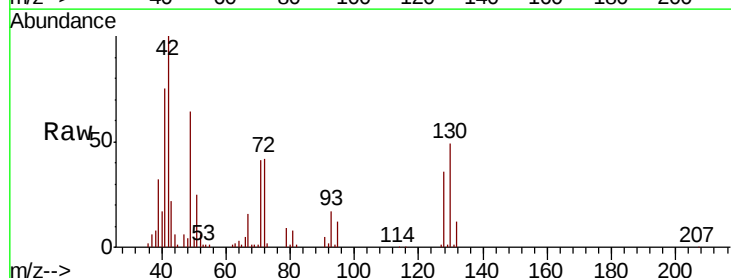
Tgt Ion: 49 Resp: 80467

Ion Ratio Lower Upper

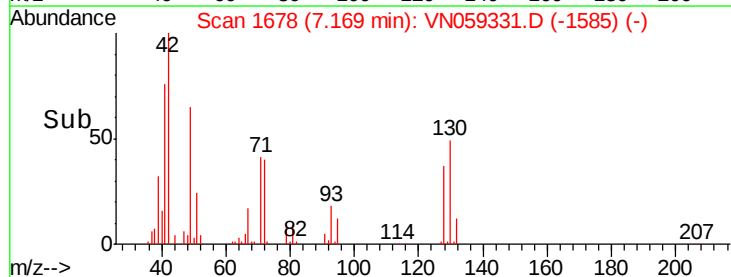
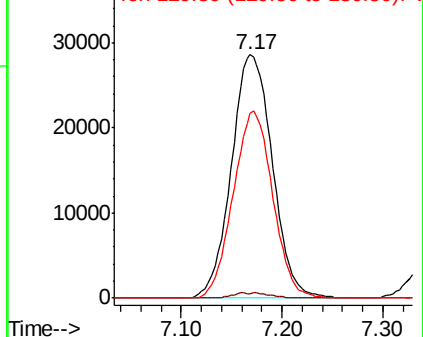
49 100

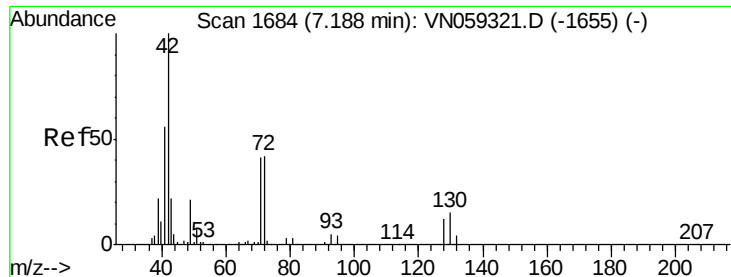
129 0.9 0.0 3.8

130 74.1 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

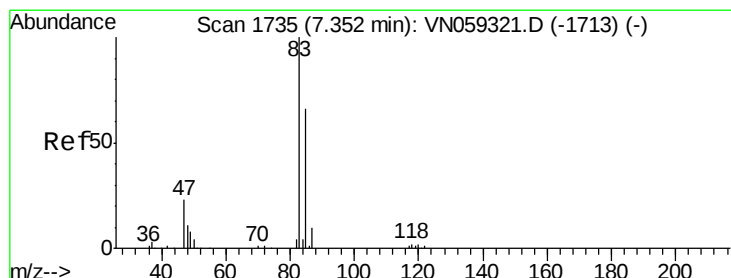
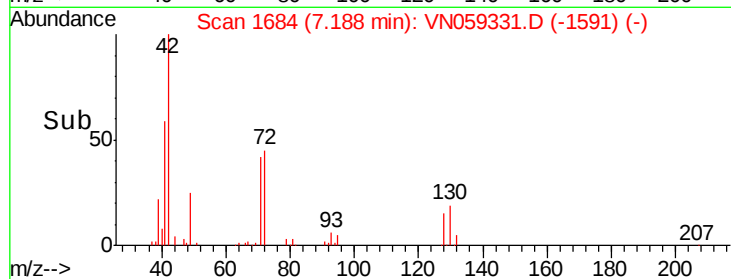
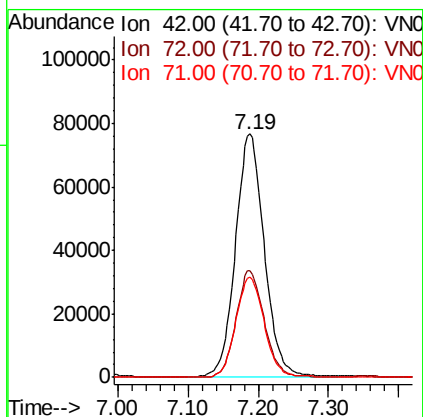
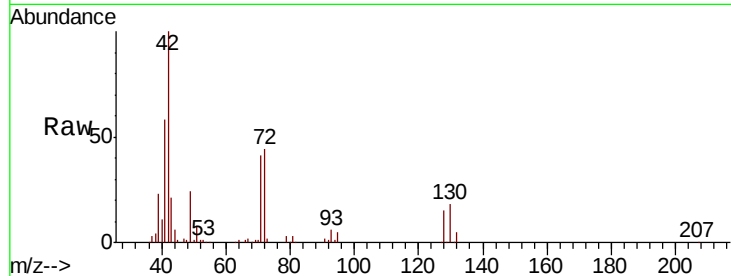




#29
Tetrahydrofuran
Concen: 78.118 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

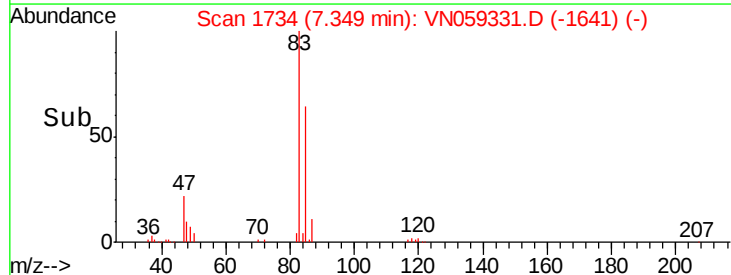
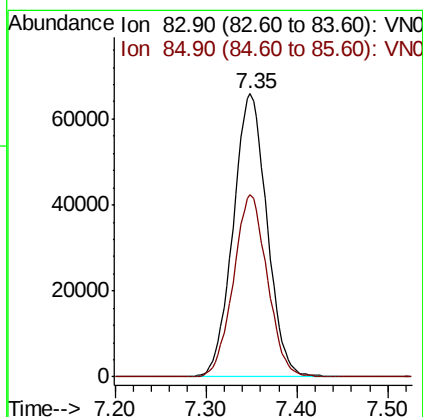
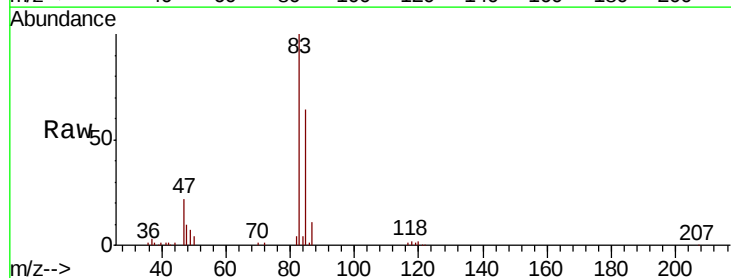
Instrument :
MSVOA_N
ClientSampled :

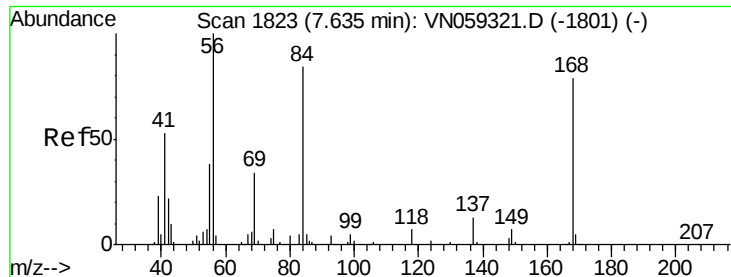
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	40.9	32.6	48.8



#30
Chloroform
Concen: 16.926 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.7	79.1

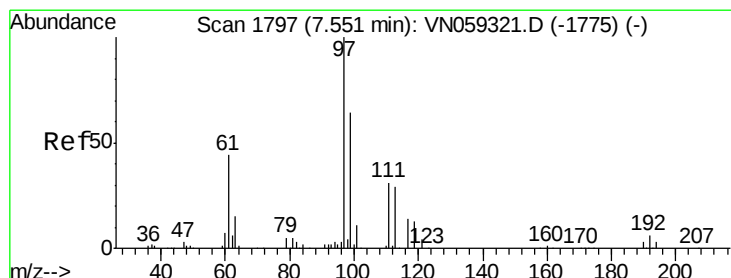
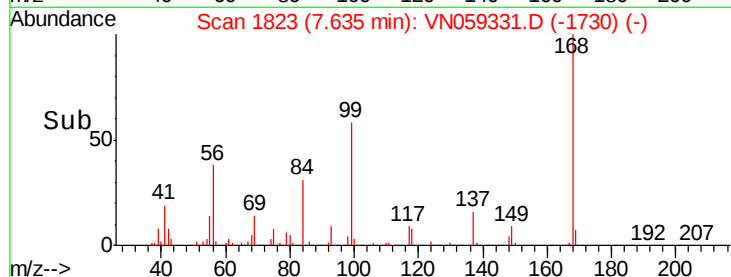
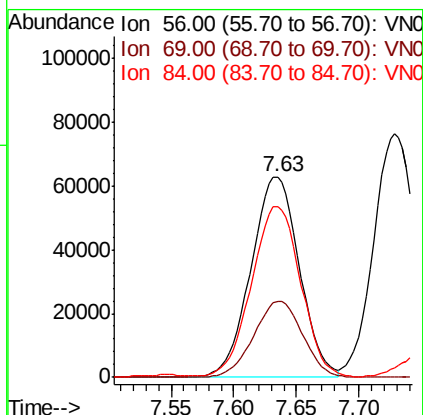
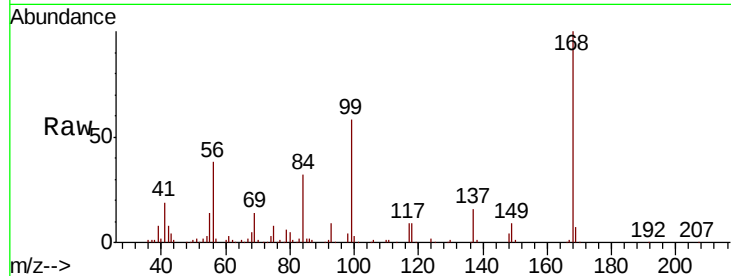




#31
Cyclohexane
Concen: 16.583 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

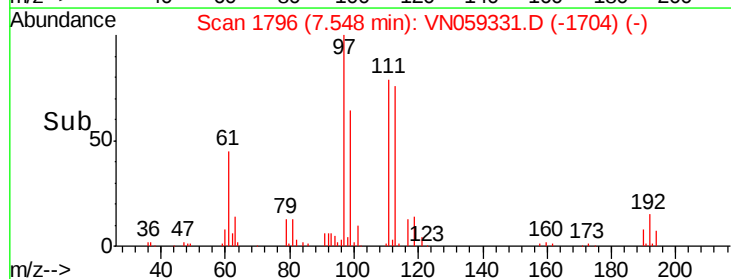
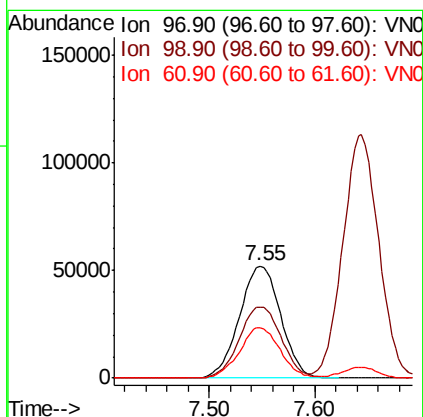
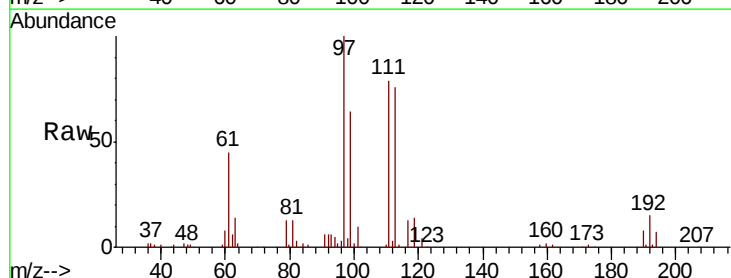
Instrument :
MSVOA_N
ClientSampleId :

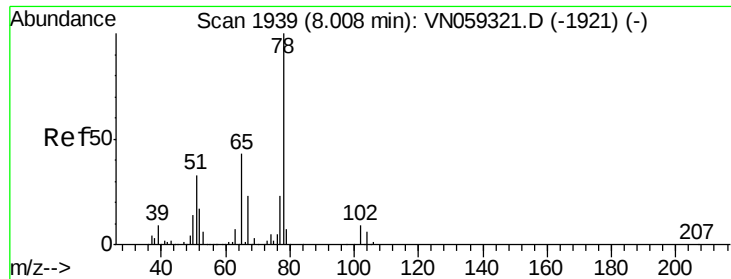
Tot Ion: 56 Resp: 168854
Ion Ratio Lower Upper
56 100
69 38.2 26.6 40.0
84 84.2 67.0 100.4



#32
1,1,1-Trichloroethane
Concen: 16.515 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 97 Resp: 141813
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 44.2 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 46.335 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

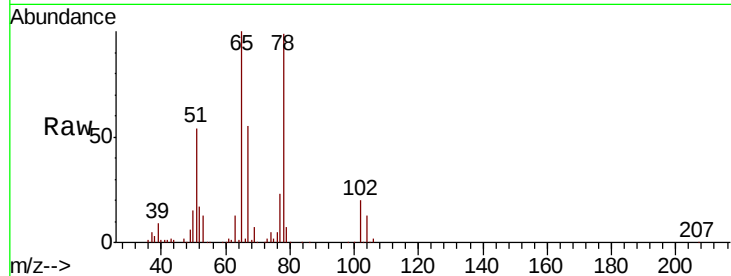
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 267953

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059331.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059331.D (-1846) (-)

8.01

120000

100000

80000

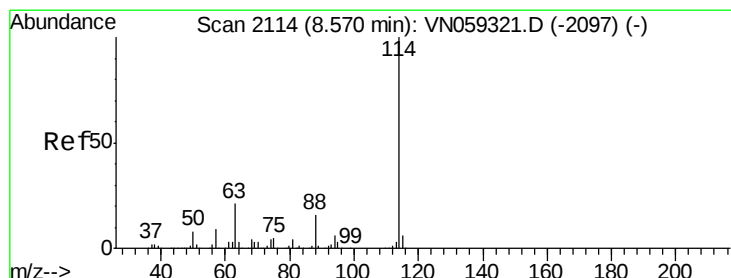
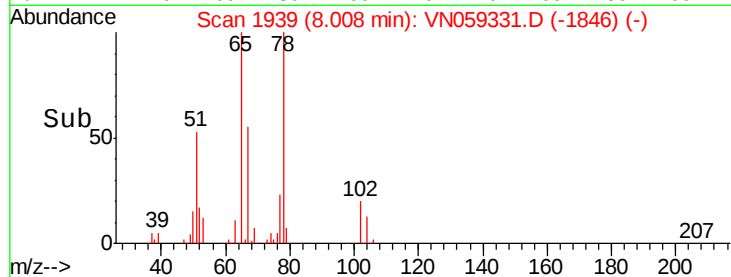
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

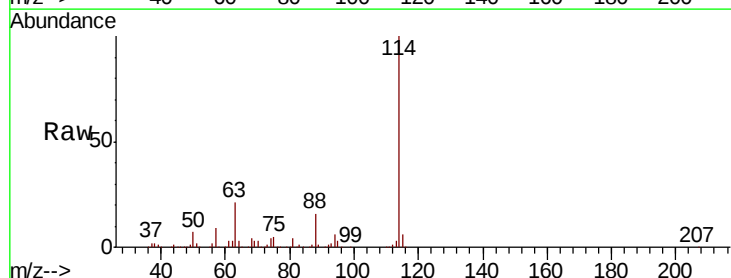
Tgt Ion:114 Resp: 762163

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.2

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059331.D (-2021) (-)

Ion 63.00 (62.70 to 63.70): VN059331.D (-2021) (-)

Ion 87.90 (87.60 to 88.60): VN059331.D (-2021) (-)

8.57

500000

400000

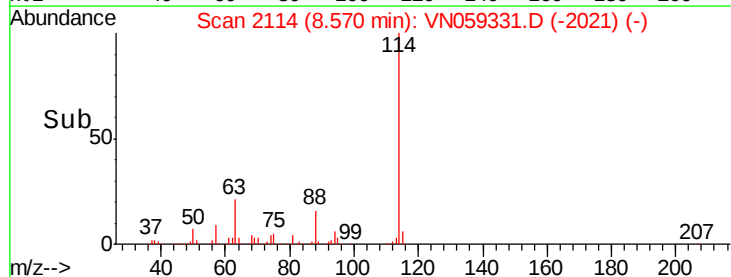
300000

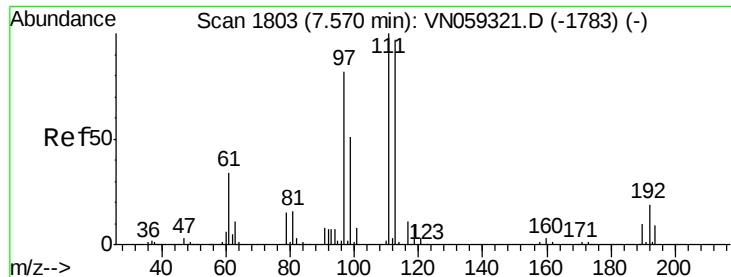
200000

100000

0

Time--> 8.50 8.60 8.70

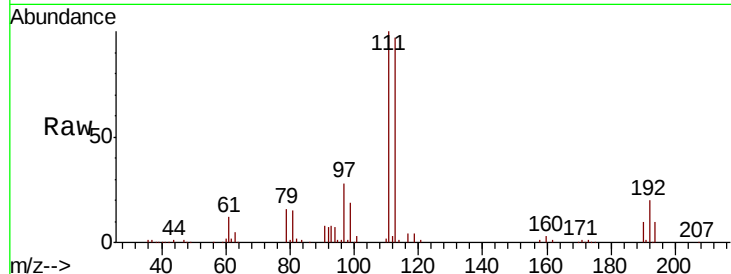




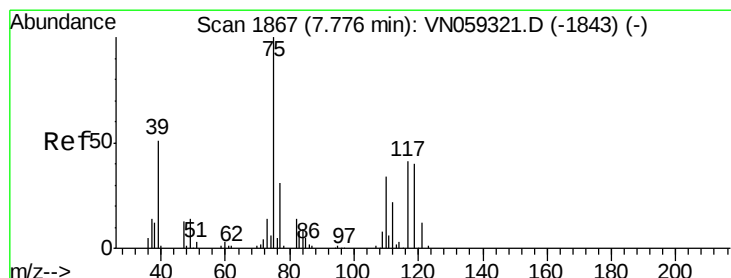
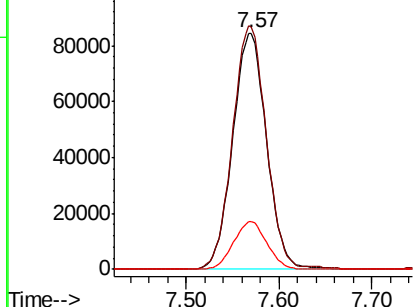
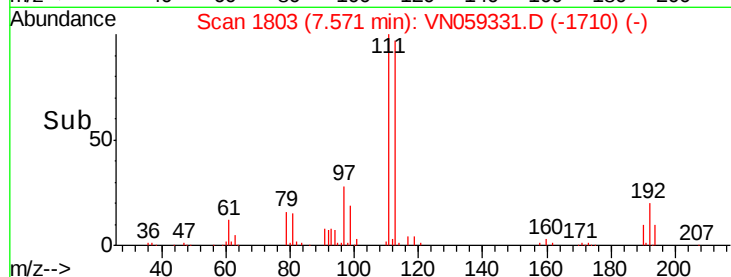
#35
 Dibromofluoromethane
 Concen: 46.806 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.1	16.3	24.5

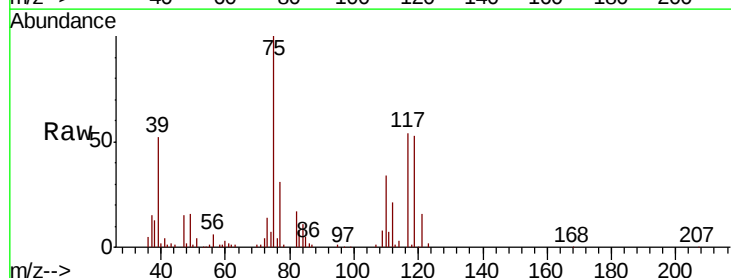


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

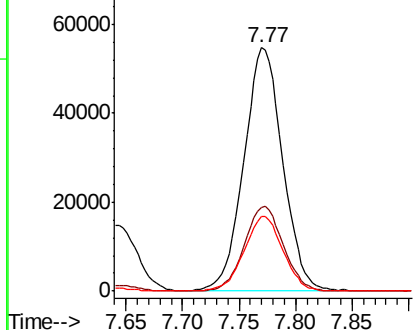
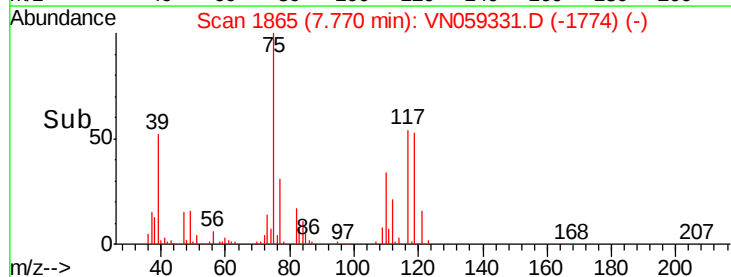


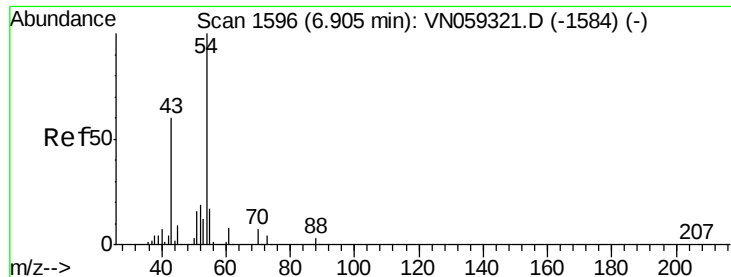
#36
 1,1-Dichloropropene
 Concen: 16.482 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.0	51.0
77	31.0	24.8	37.2



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

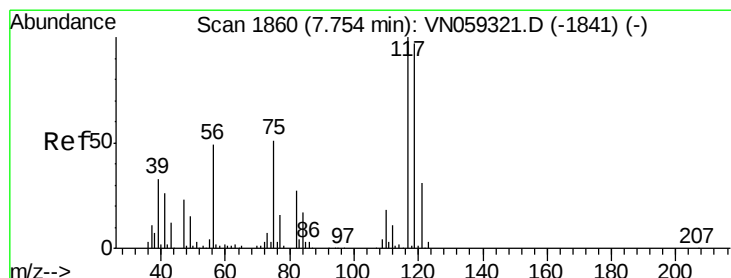
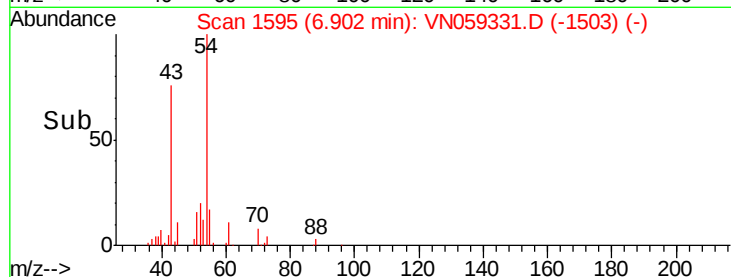
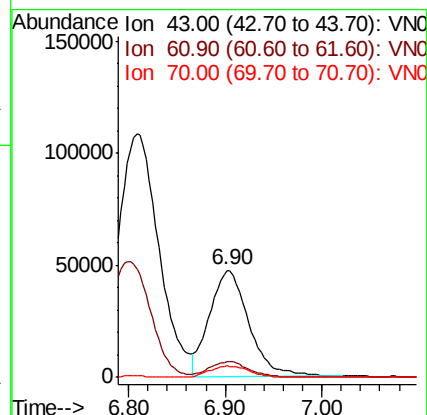
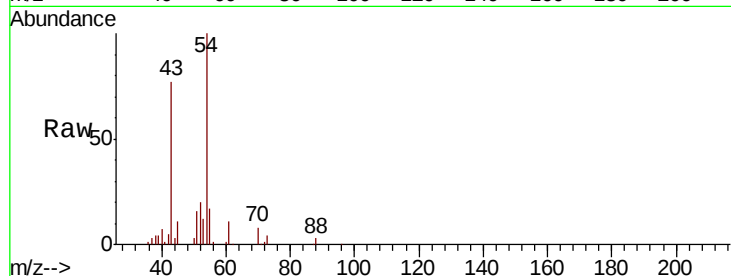




#37
Ethyl Acetate
Concen: 15.828 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

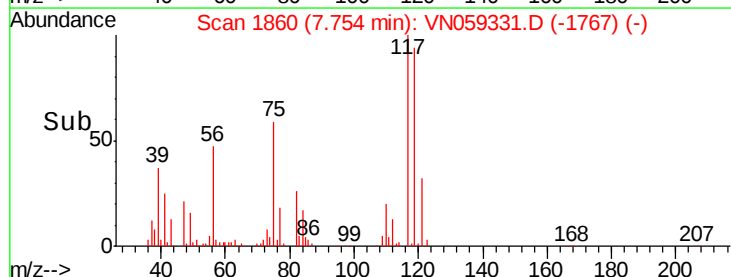
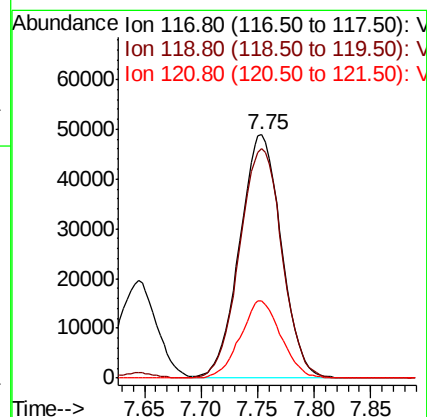
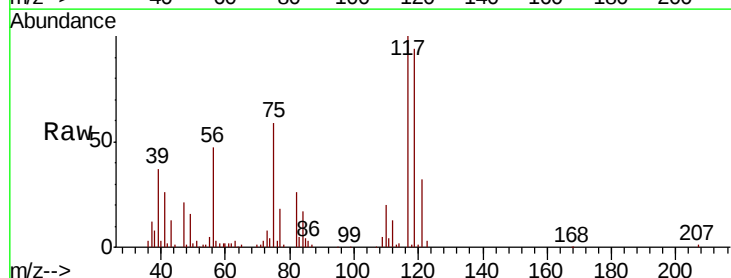
Instrument :
MSVOA_N
ClientSampled :

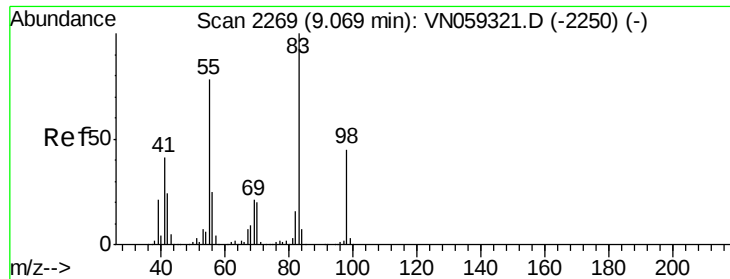
Tot Ion: 43 Resp: 133845
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.6
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 16.671 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 117 Resp: 125571
Ion Ratio Lower Upper
117 100
119 94.4 77.0 115.4
121 31.7 24.4 36.6

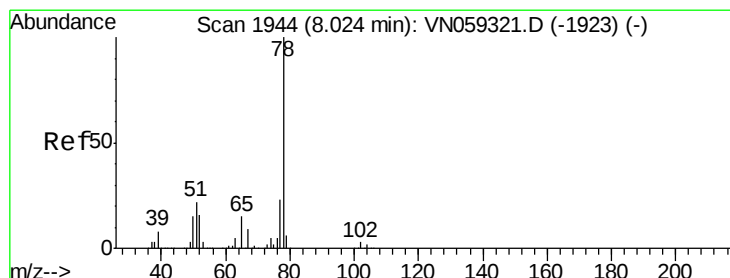
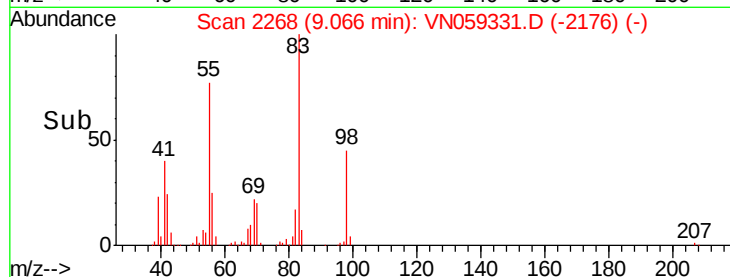
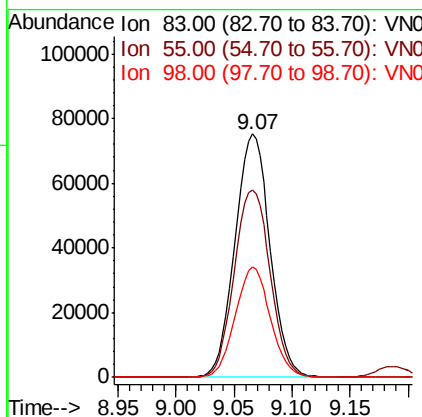
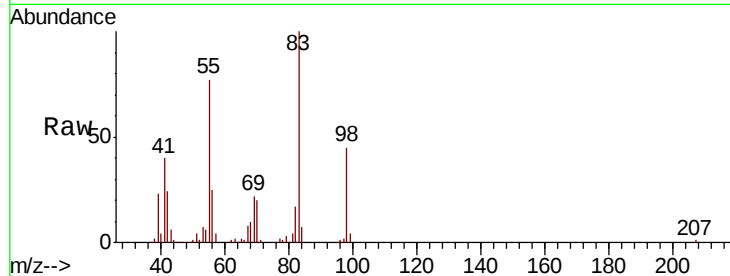




#39
Methvlcvclohexane
Concen: 16.628 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

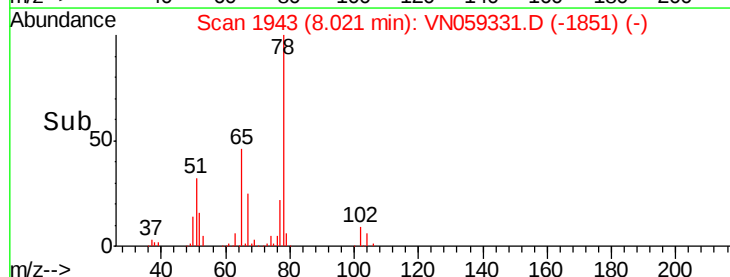
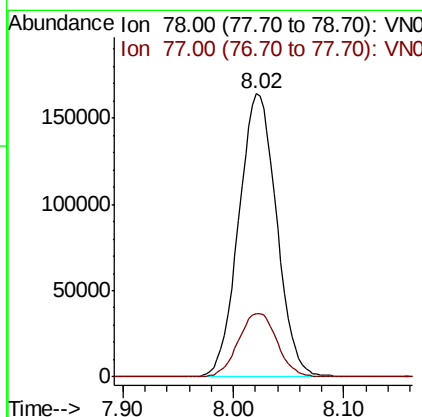
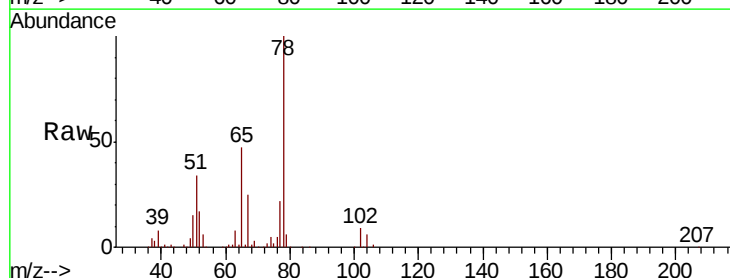
Instrument :
MSVOA_N
ClientSampleId :

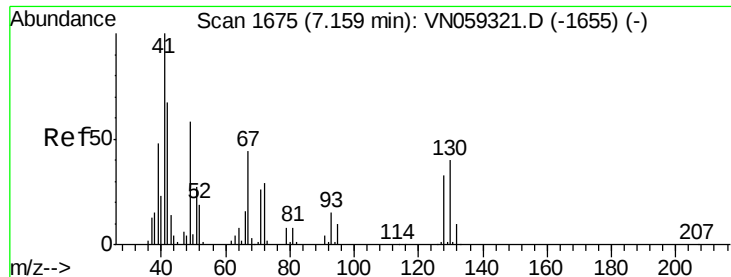
Tot Ion: 83 Resp: 157767
Ion Ratio Lower Upper
83 100
55 77.0 62.3 93.5
98 45.3 36.0 54.0



#40
Benzene
Concen: 16.854 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 78 Resp: 389204
Ion Ratio Lower Upper
78 100
77 22.5 18.4 27.6

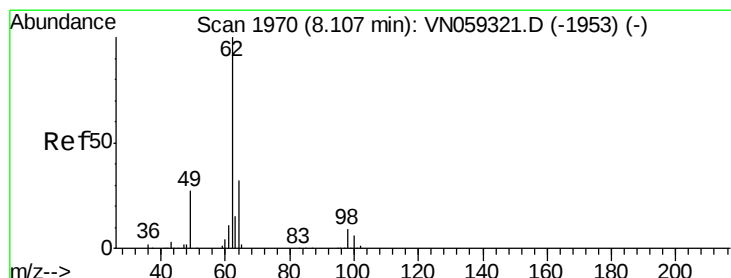
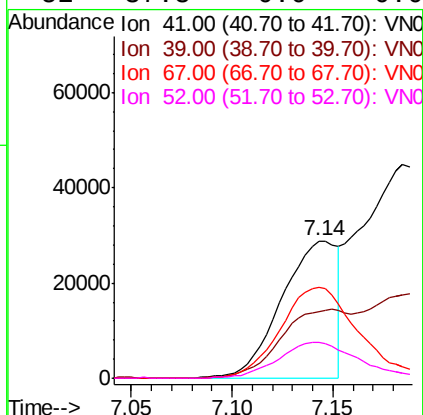
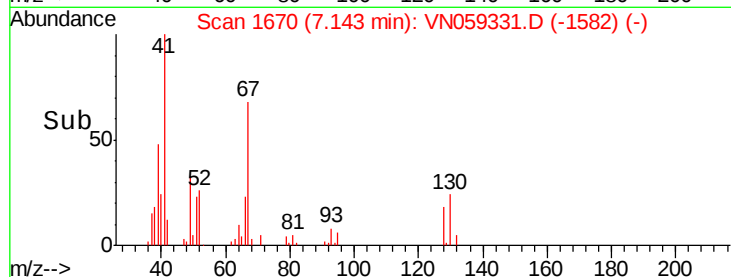
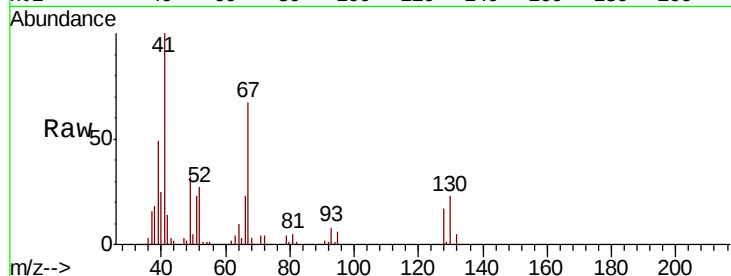




#41
Methacrylonitrile
Concen: 14.755 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.02 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

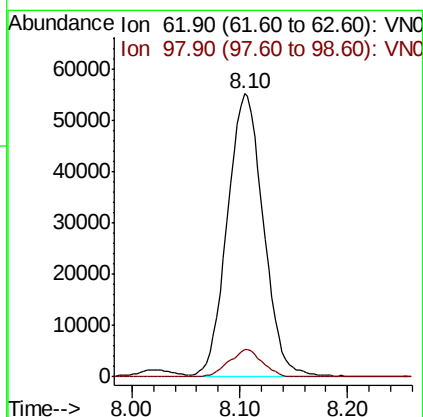
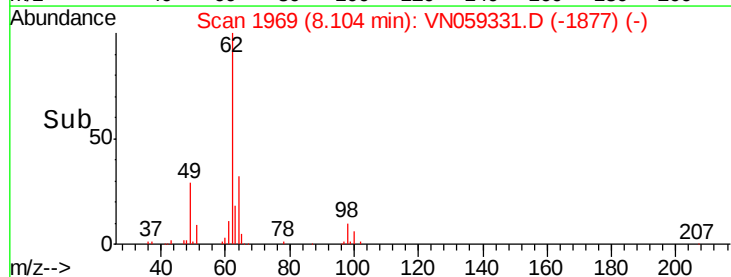
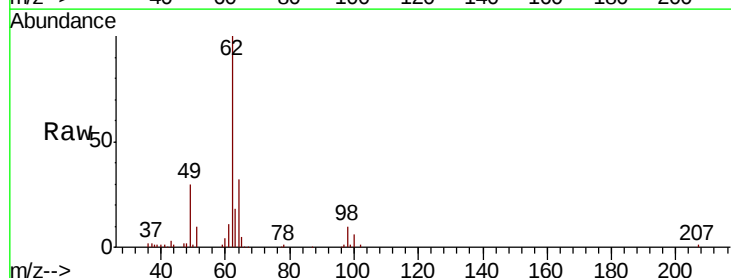
Instrument :
MSVOA_N
ClientSampled :

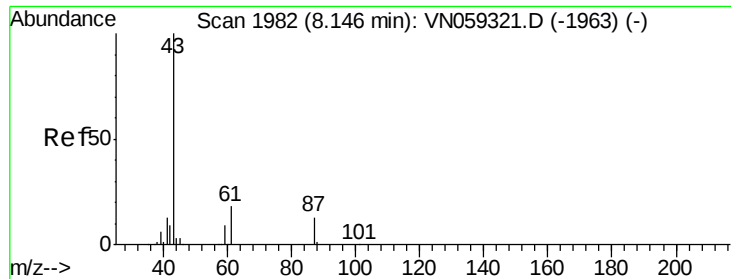
Tot Ion: 41 Resp: 55387
Ion Ratio Lower Upper
41 100
39 61.0 0.0 0.0#
67 92.8 0.0 0.0#
52 37.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 16.766 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 62 Resp: 128054
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.6



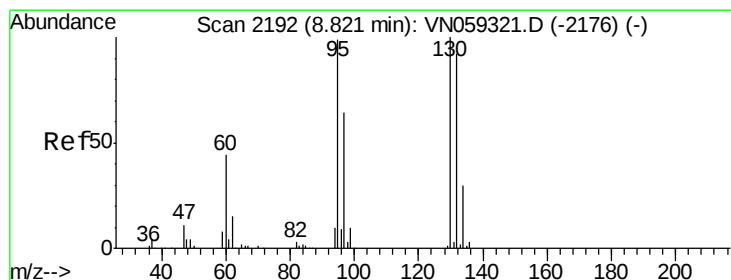
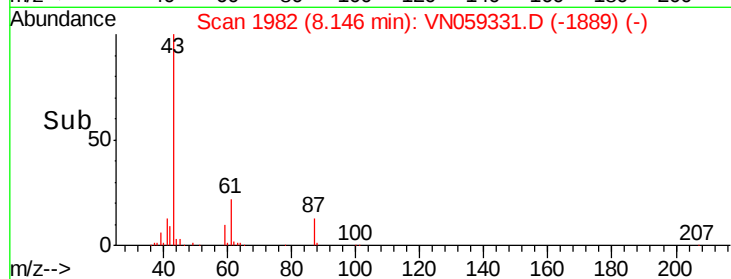
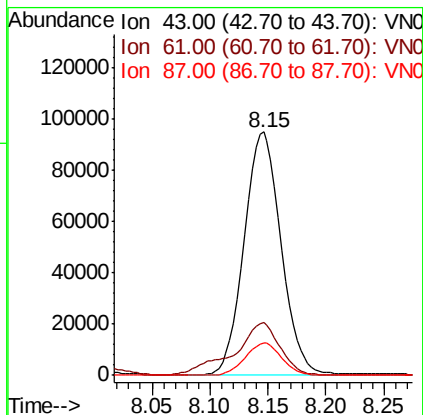
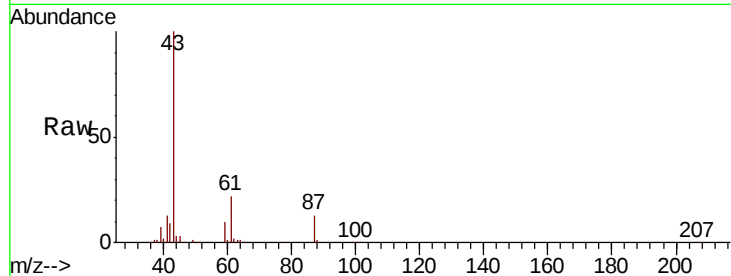


#43

Isopropyl Acetate
 Concen: 16.252 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :

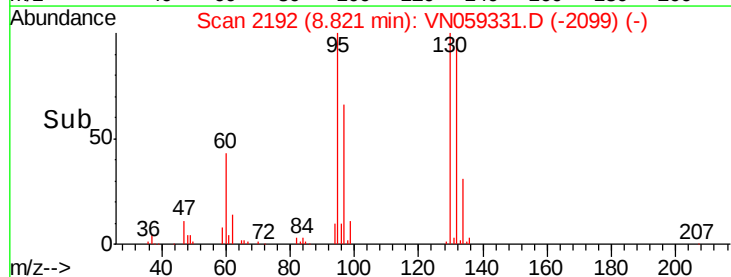
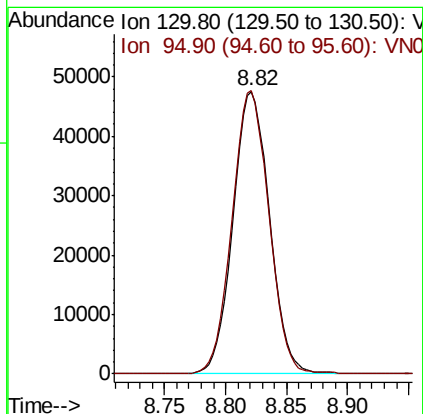
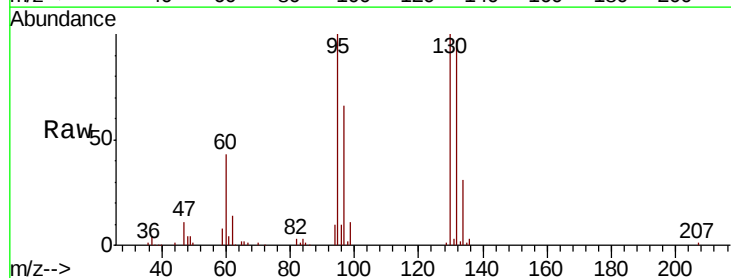
Tot Ion: 43 Resp: 210033
 Ion Ratio Lower Upper
 43 100
 61 27.4 21.7 32.5
 87 13.0 10.2 15.4

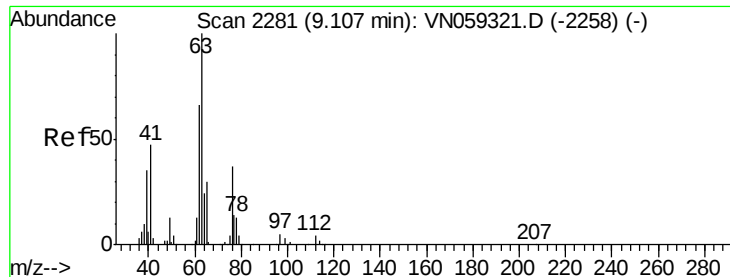


#44

Trichloroethene
 Concen: 16.842 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion: 130 Resp: 98570
 Ion Ratio Lower Upper
 130 100
 95 100.1 0.0 198.4





#45

1,2-Dichloropropane

Concen: 17.024 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

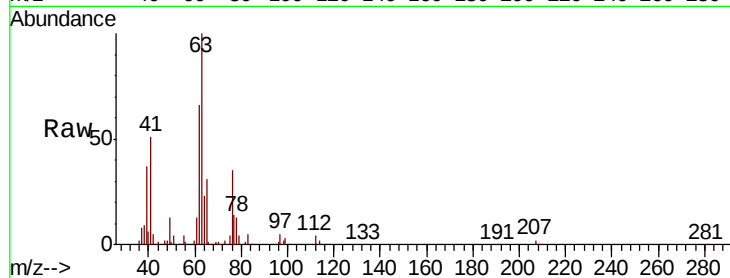
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 104831

Ion Ratio Lower Upper

63 100

65 30.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

60000

50000

40000

30000

20000

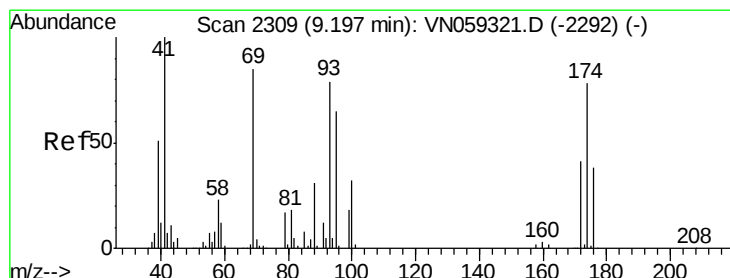
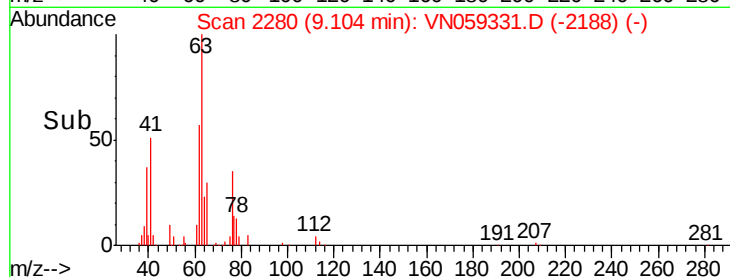
10000

0

9.10

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 16.948 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

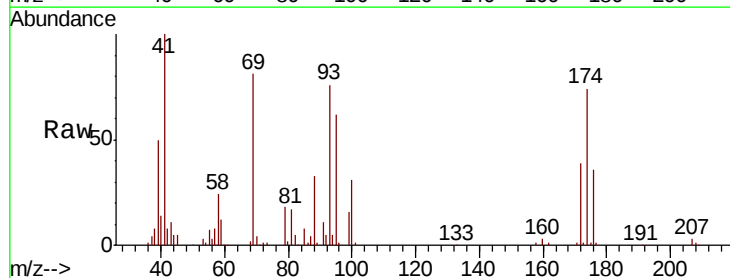
Tgt Ion: 93 Resp: 64014

Ion Ratio Lower Upper

93 100

95 81.3 66.9 100.3

174 97.9 80.6 120.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

20000

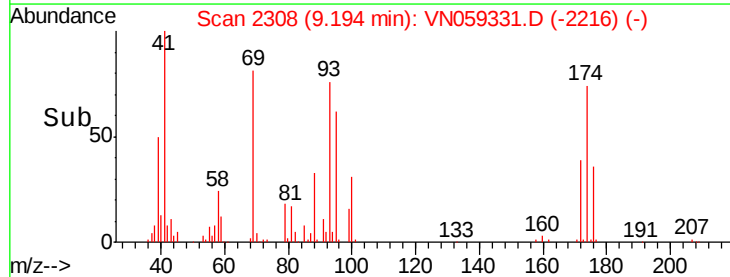
10000

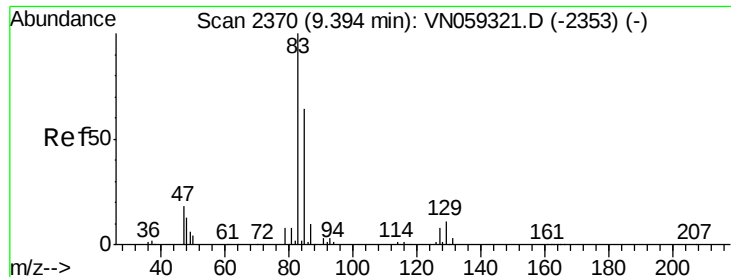
0

9.19

9.10 9.15 9.20 9.25

Time-->

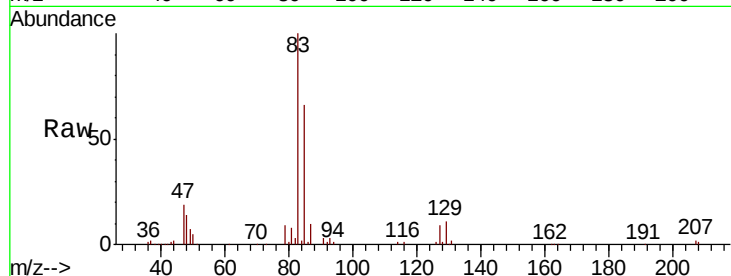




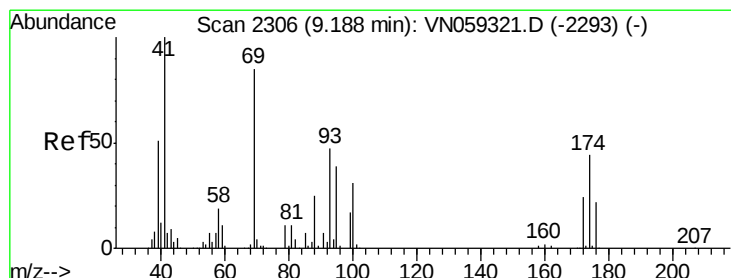
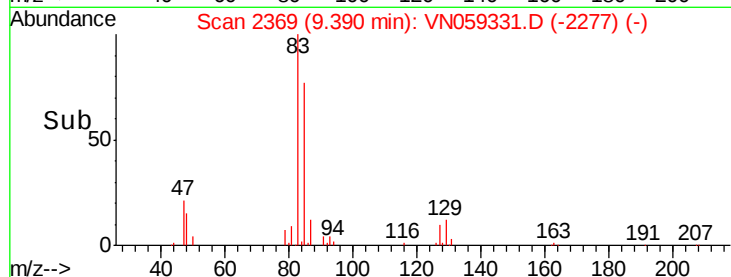
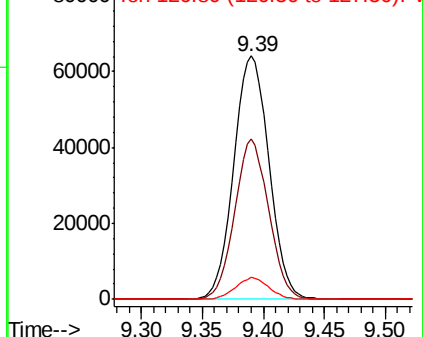
#47
Bromodichloromethane
Concen: 16.952 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 128235
Ion Ratio Lower Upper
83 100
85 66.0 51.5 77.3
127 8.9 6.6 10.0

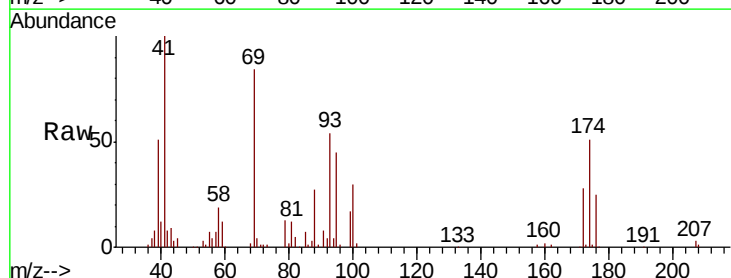


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

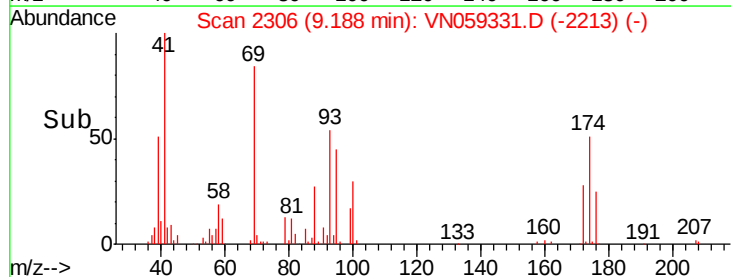
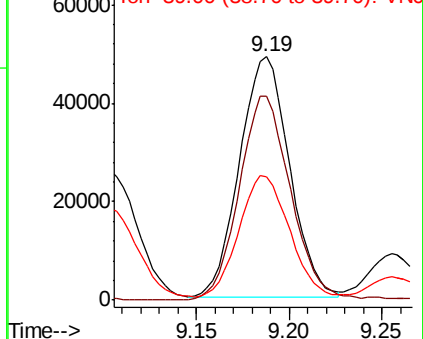


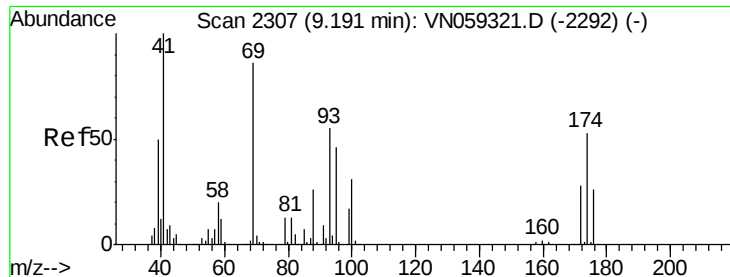
#48
Methyl methacrylate
Concen: 15.577 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 41 Resp: 91542
Ion Ratio Lower Upper
41 100
69 87.0 68.8 103.2
39 53.3 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

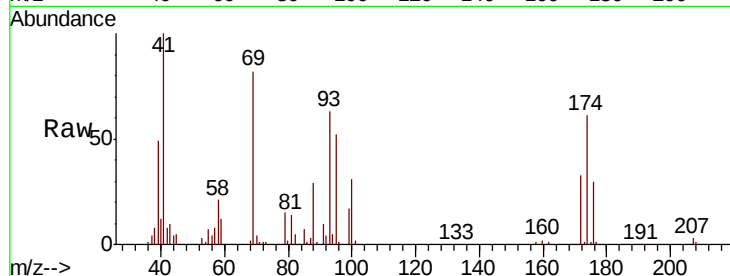




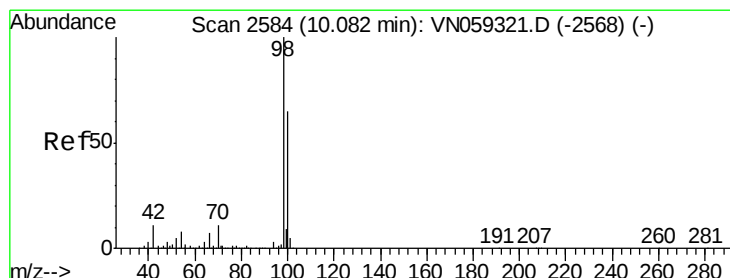
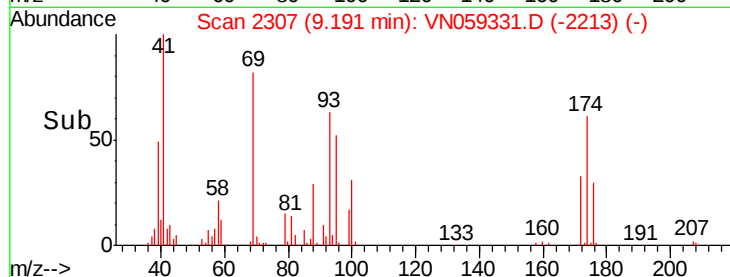
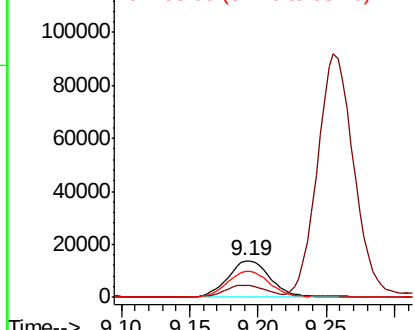
#49
1,4-Dioxane
Concen: 339.181 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 29958
Ion Ratio Lower Upper
88 100
43 32.5 26.9 40.3
58 70.5 59.2 88.8

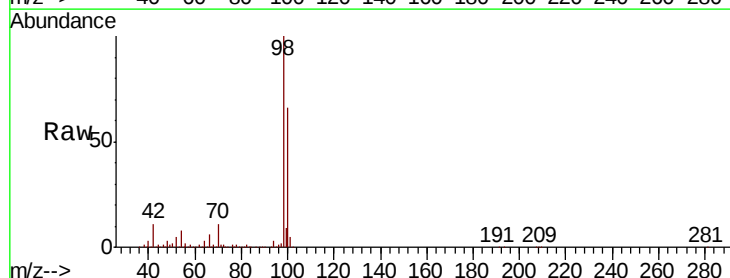


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

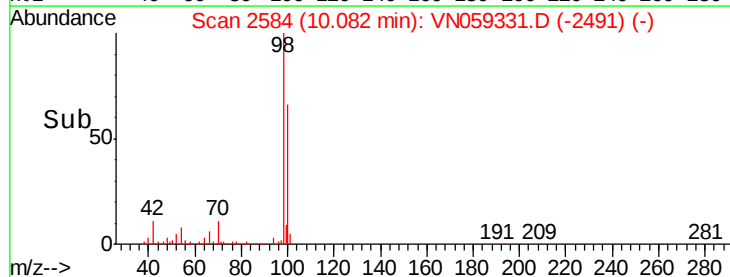
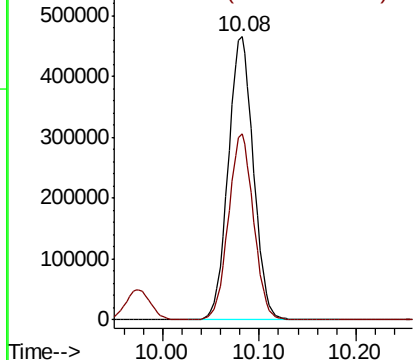


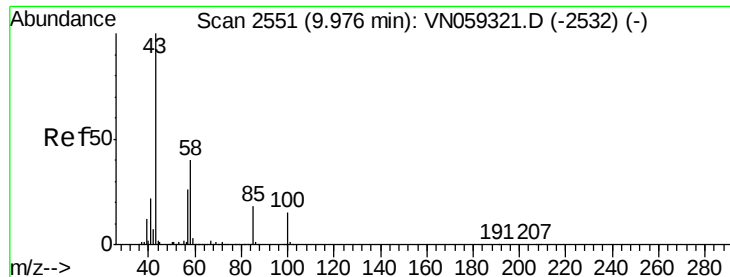
#50
Toluene-d8
Concen: 46.301 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 98 Resp: 841650
Ion Ratio Lower Upper
98 100
100 65.2 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: 84.076 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

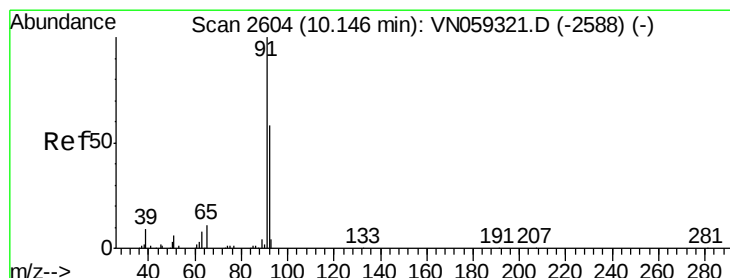
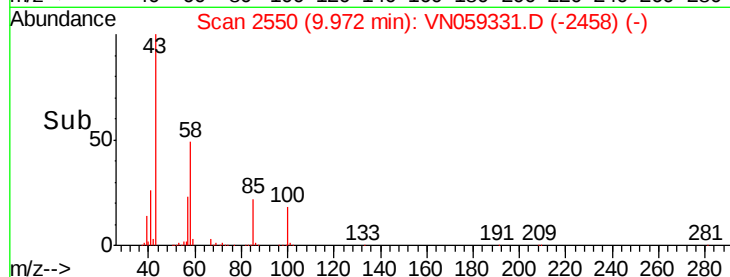
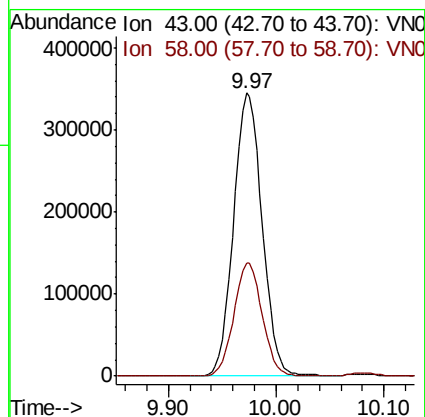
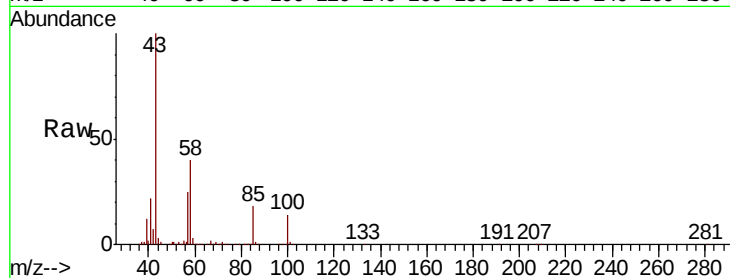
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 635979

Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.8



#52

Toluene

Concen: 16.812 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059331.D

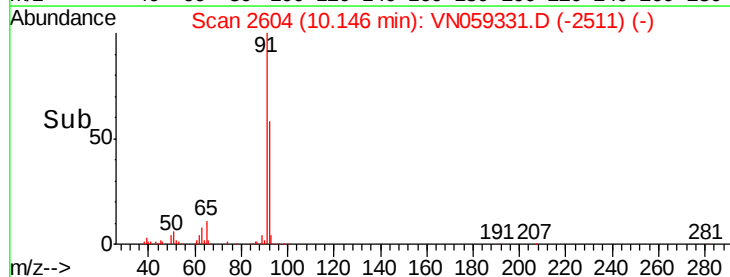
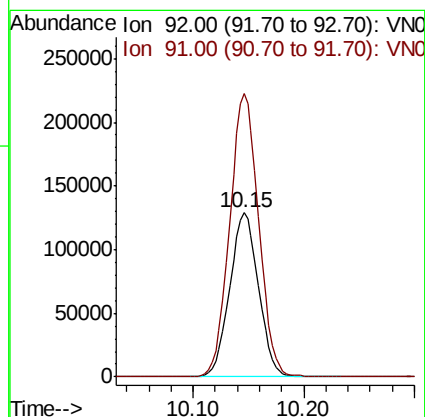
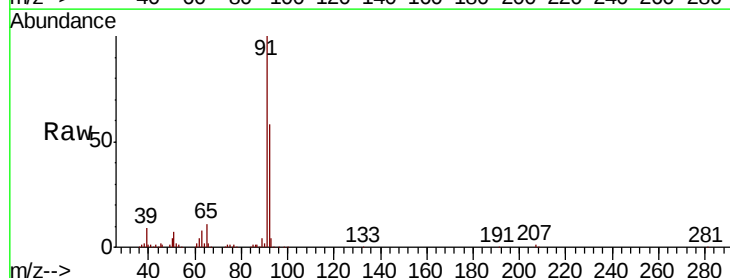
Acq: 21 Nov 2019 13:39

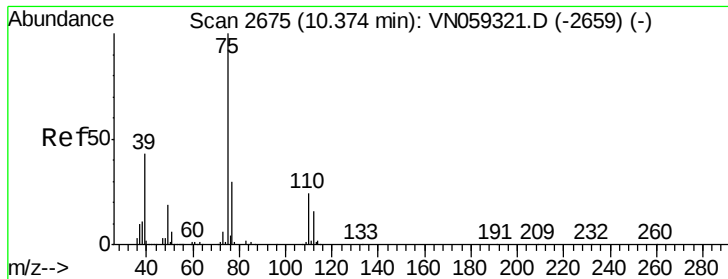
Tgt Ion: 92 Resp: 233452

Ion Ratio Lower Upper

92 100

91 173.2 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 16.666 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

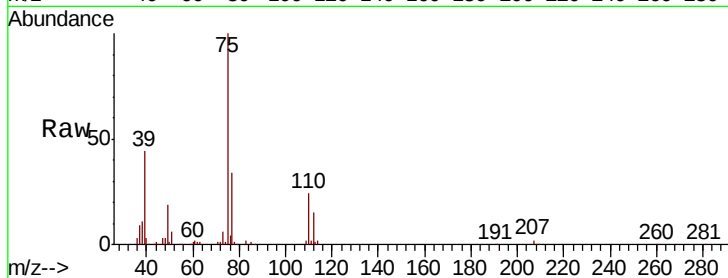
ClientSampleId :

Tot Ion: 75 Resp: 146556

Ion Ratio Lower Upper

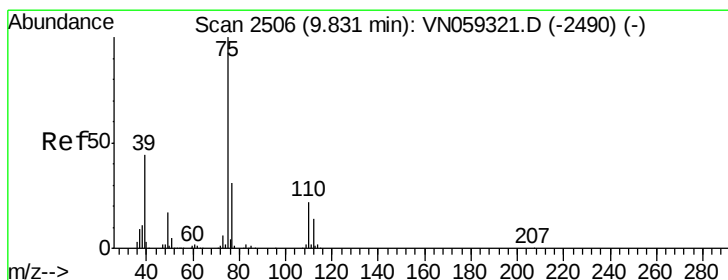
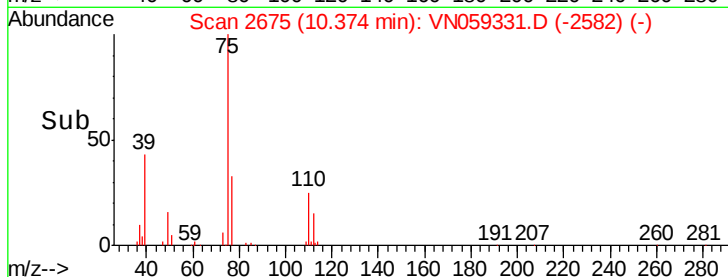
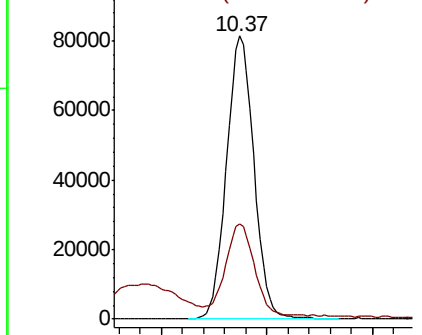
75 100

77 32.5 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.024 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

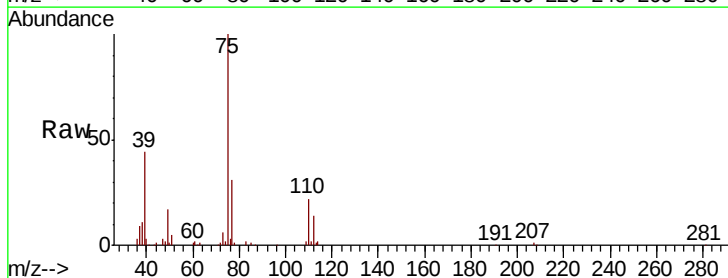
Tgt Ion: 75 Resp: 162442

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

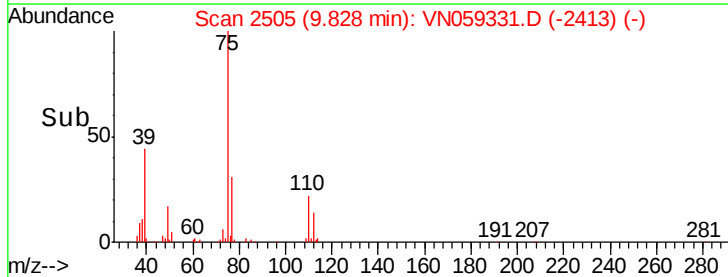
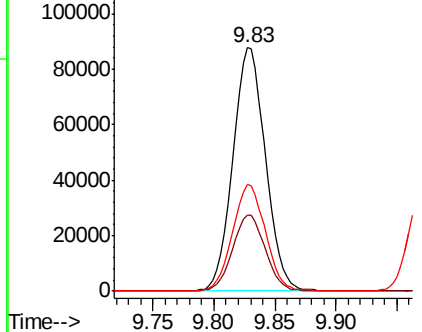
39 43.6 35.5 53.3

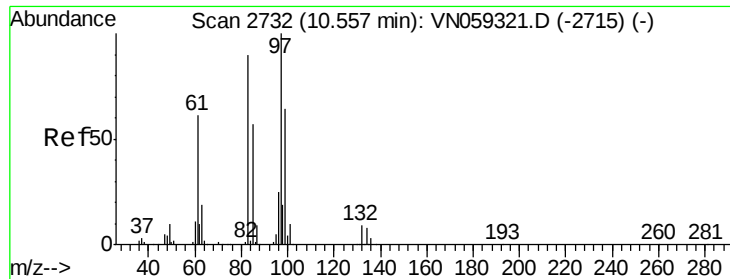


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

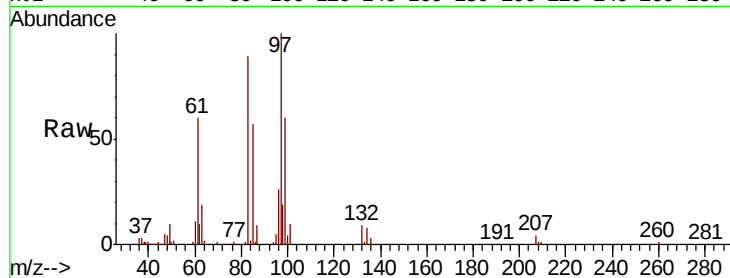




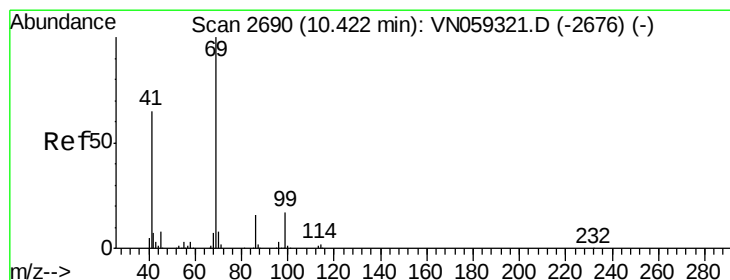
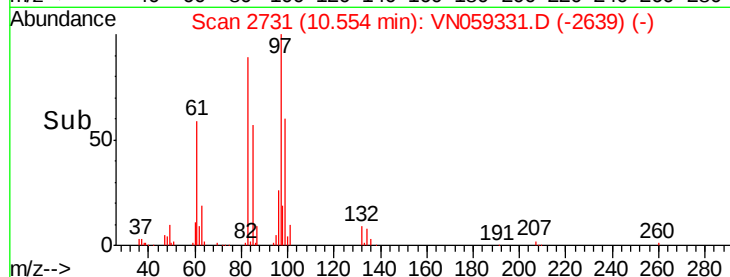
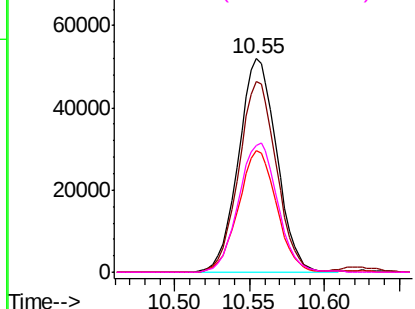
#55
 1,1,2-Trichloroethane
 Concen: 17.118 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	92419
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.0	108.0
85	56.8	45.8	68.6
99	59.6	51.0	76.4

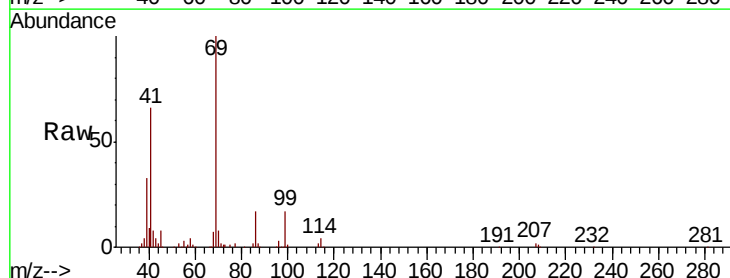


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

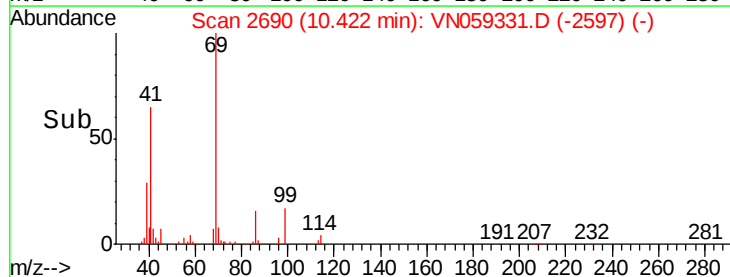
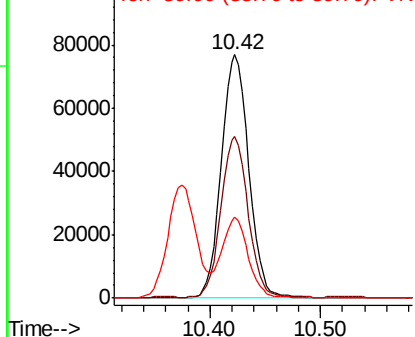


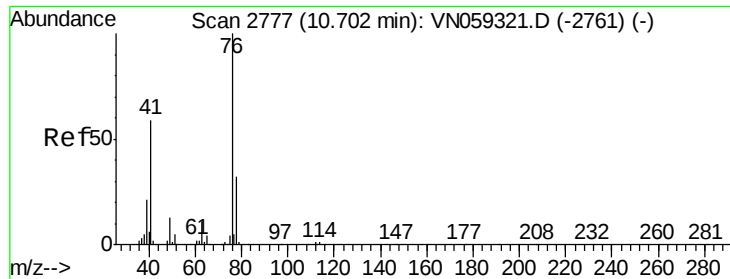
#56
 Ethyl methacrylate
 Concen: 16.146 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion:	69	Resp:	133067
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.7	77.5
39	31.5	25.2	37.8



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





#57

1,3-Dichloropropane

Concen: 16.716 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

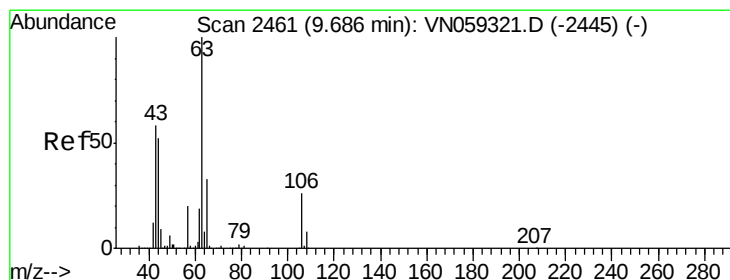
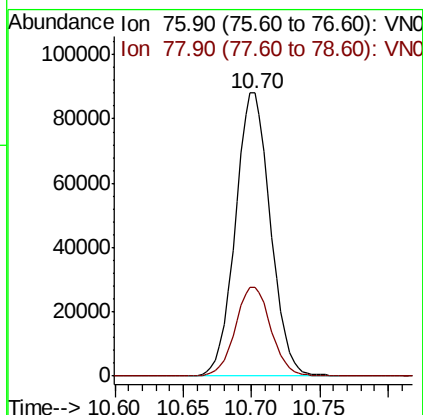
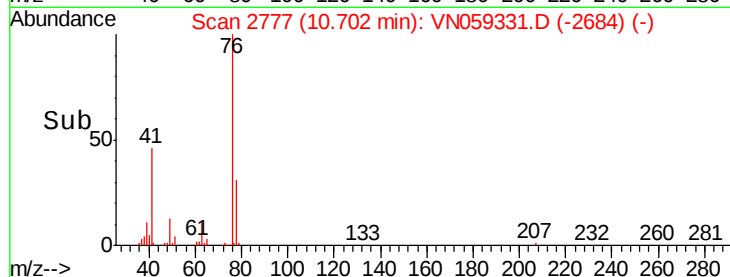
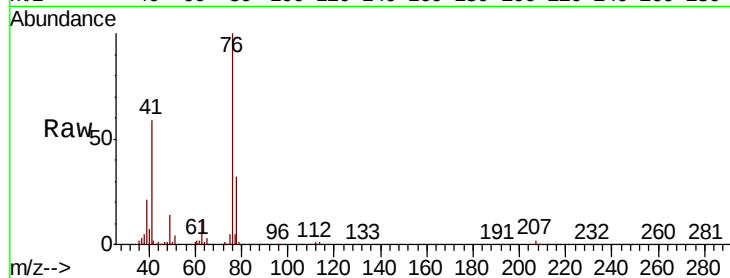
ClientSampleId :

Tot Ion: 76 Resp: 157291

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 84.899 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059331.D

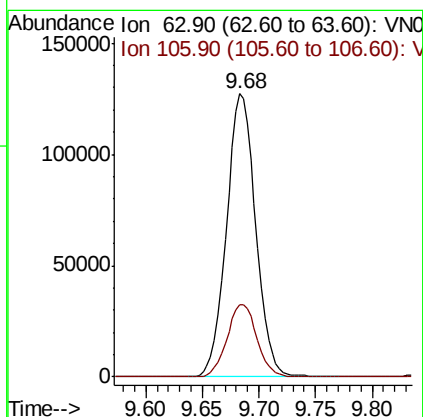
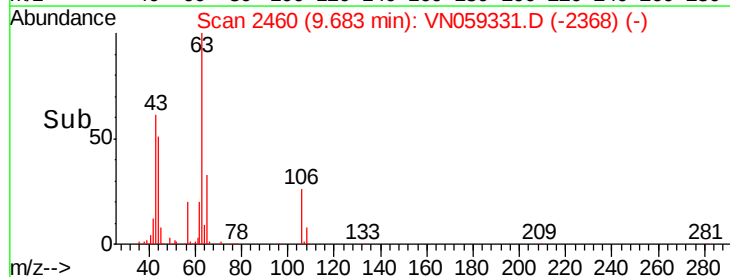
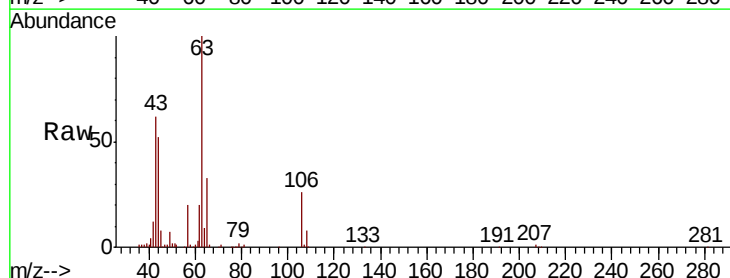
Acq: 21 Nov 2019 13:39

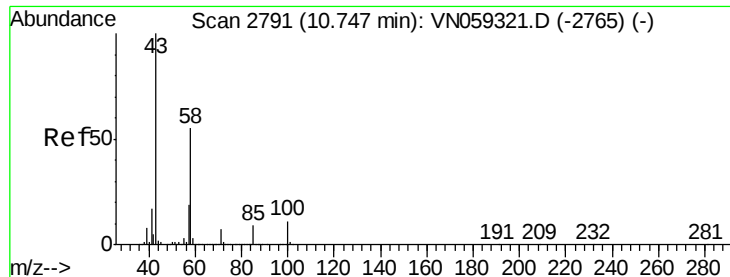
Tgt Ion: 63 Resp: 228733

Ion Ratio Lower Upper

63 100

106 26.1 20.5 30.7

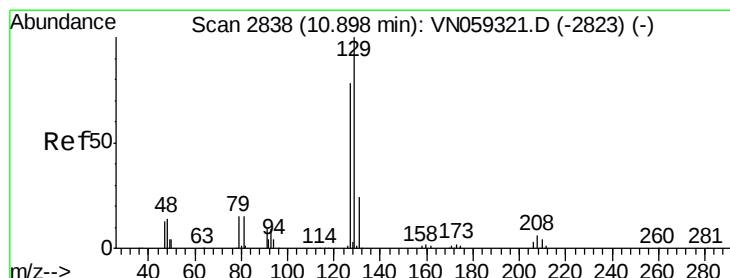
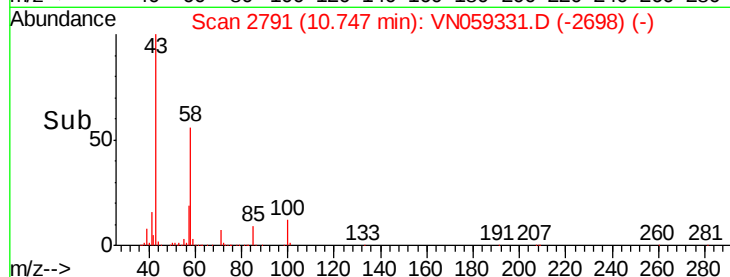
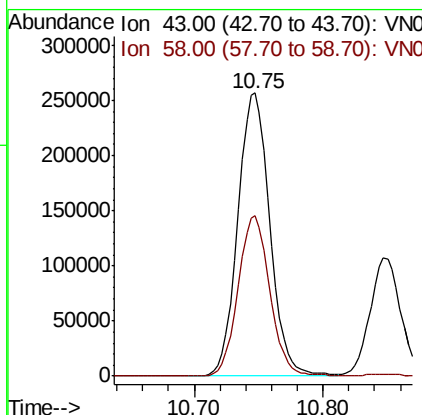
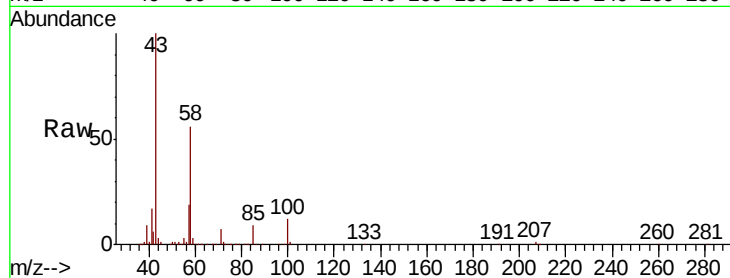




#59
2-Hexanone
Concen: 79.909 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

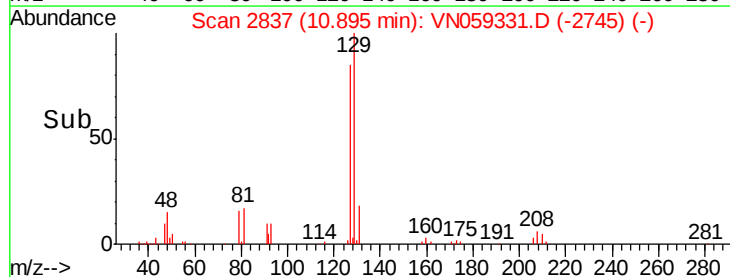
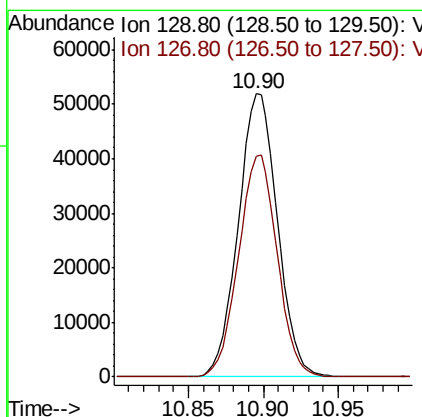
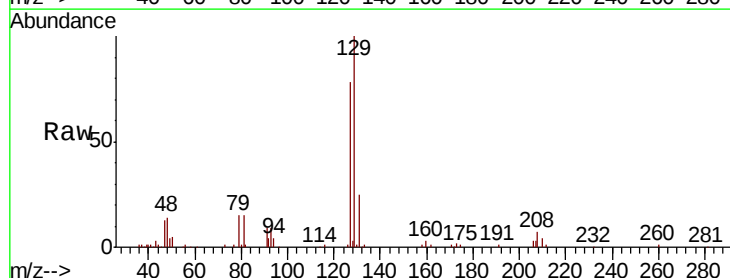
Instrument :
MSVOA_N
ClientSampleId :

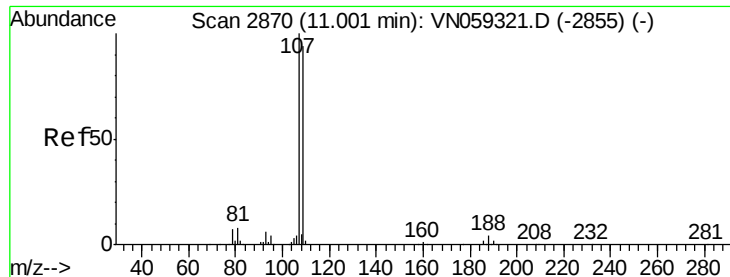
Tot Ion: 43 Resp: 442613
Ion Ratio Lower Upper
43 100
58 56.3 27.7 83.0



#60
Dibromochloromethane
Concen: 16.639 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion: 129 Resp: 94662
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 16.431 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

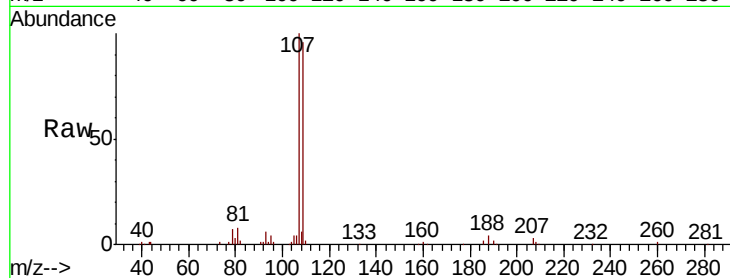
ClientSampleId :

Tot Ion: 107 Resp: 92301

Ion Ratio Lower Upper

107 100

109 95.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

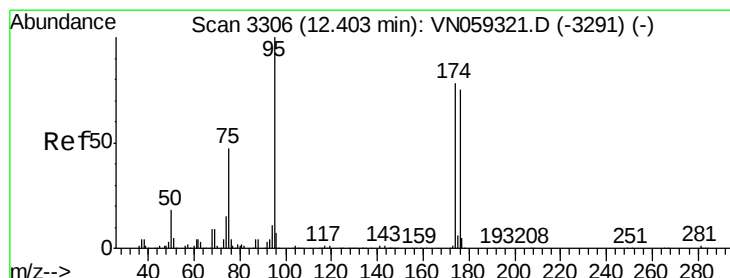
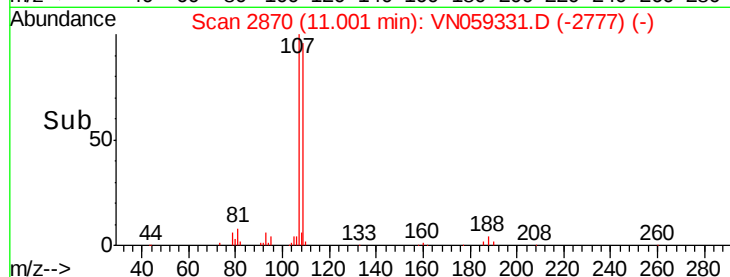
20000

10000

0

10.95 11.00 11.05 11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 45.095 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

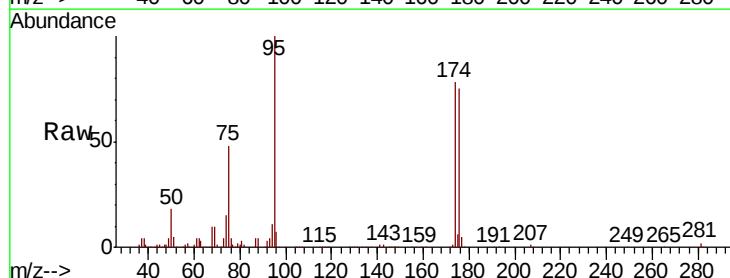
Tgt Ion: 95 Resp: 286623

Ion Ratio Lower Upper

95 100

174 79.8 0.0 157.4

176 75.8 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

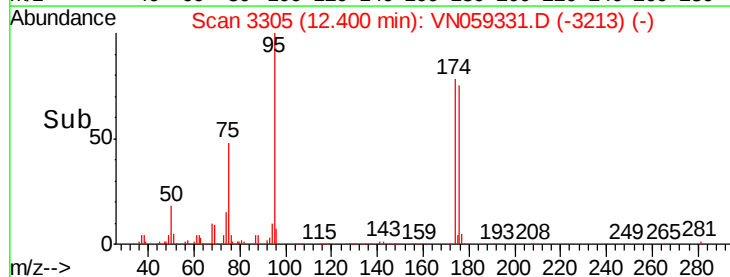
100000

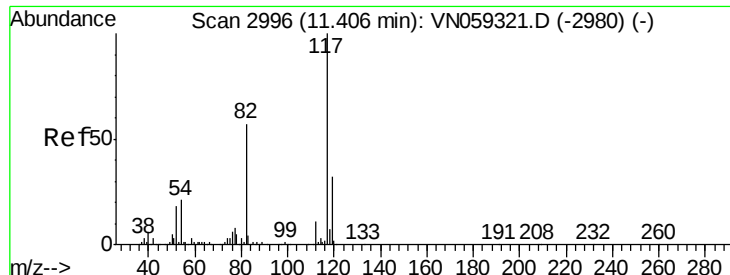
50000

0

12.35 12.40 12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

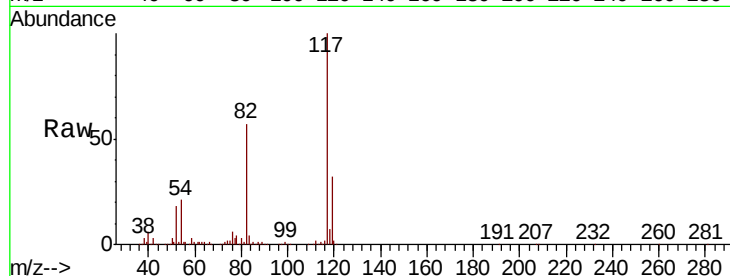
Tot Ion:117 Resp: 670993

Ion Ratio Lower Upper

117 100

82 56.9 45.7 68.5

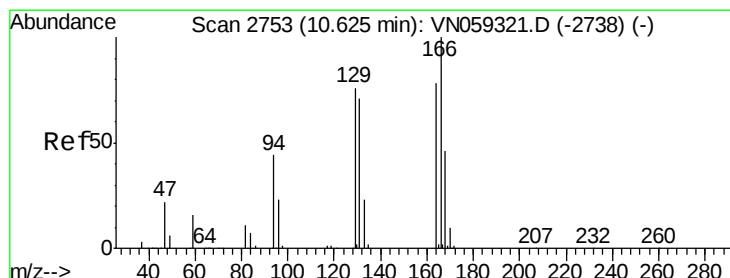
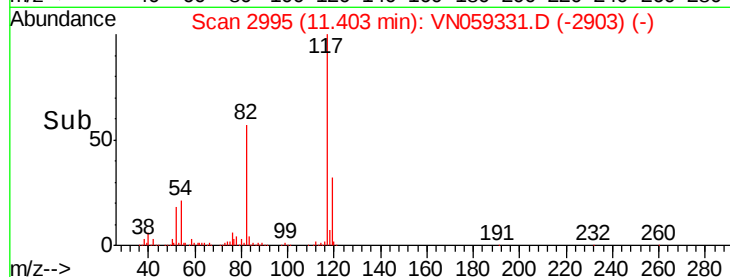
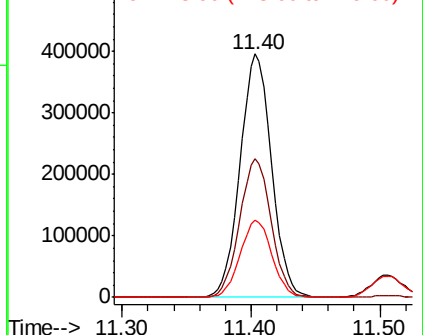
119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 16.754 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Tgt Ion:164 Resp: 86947

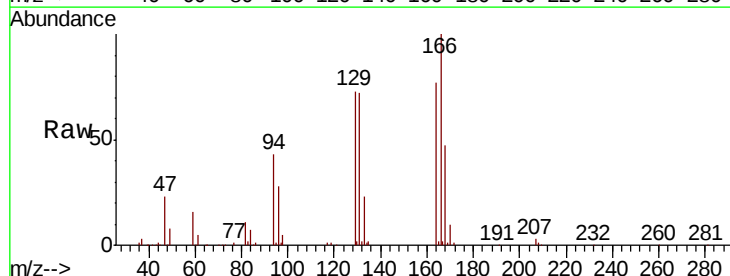
Ion Ratio Lower Upper

164 100

166 129.1 102.9 154.3

129 94.0 78.2 117.2

131 93.4 72.6 109.0

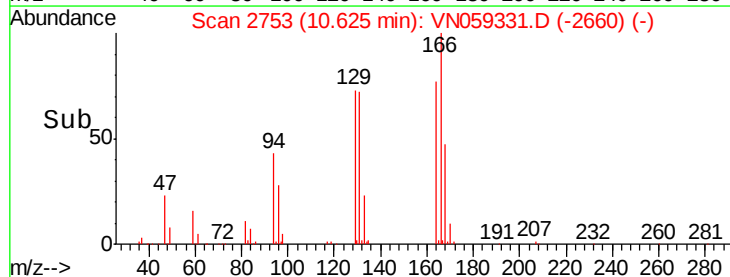
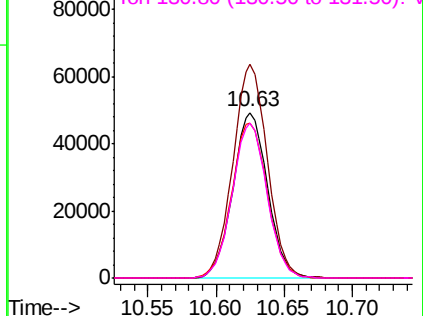


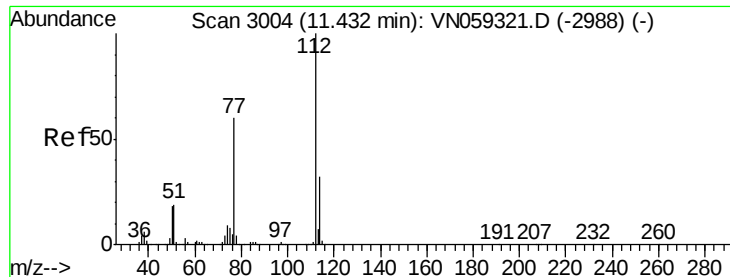
Abundance Ion 163.80 (163.50 to 164.50): V

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

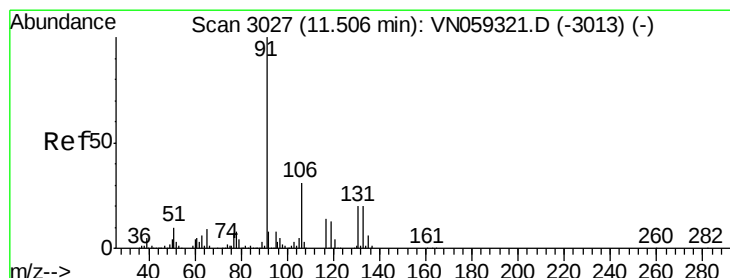
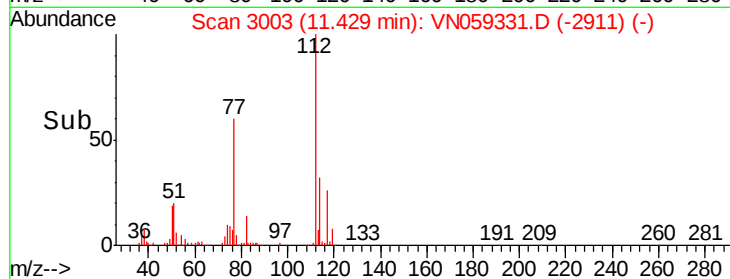
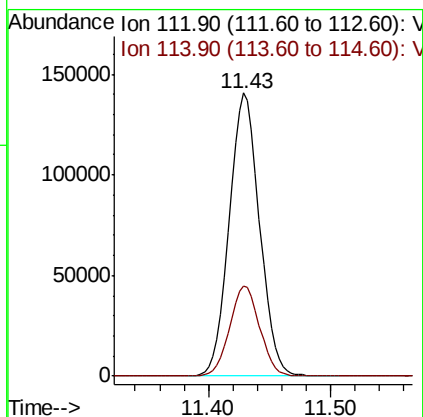
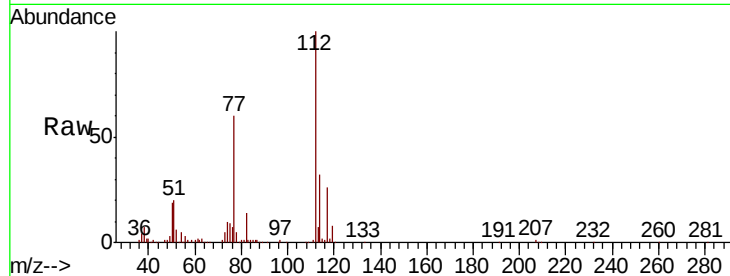




#65
Chlorobenzene
Concen: 16.883 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

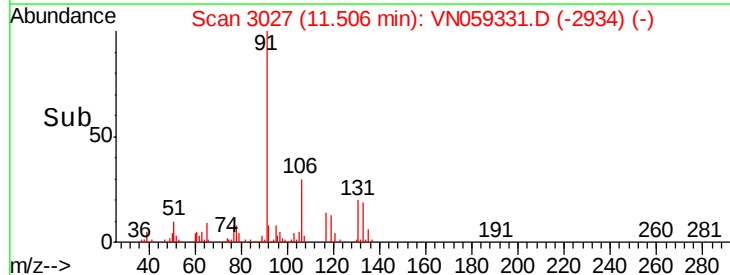
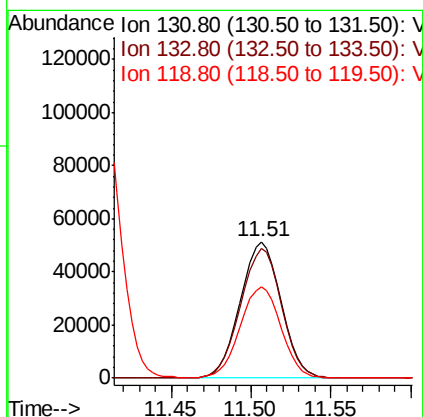
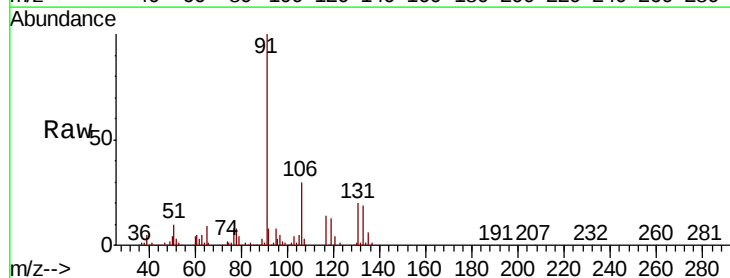
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 243589
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.027 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion:131 Resp: 89243
Ion Ratio Lower Upper
131 100
133 95.4 48.2 144.6
119 67.1 33.6 100.6





#67

Ethyl Benzene

Concen: 17.072 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

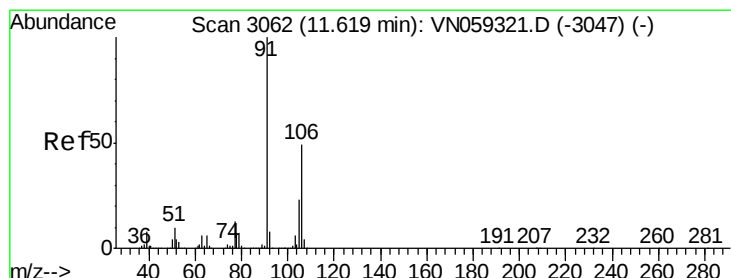
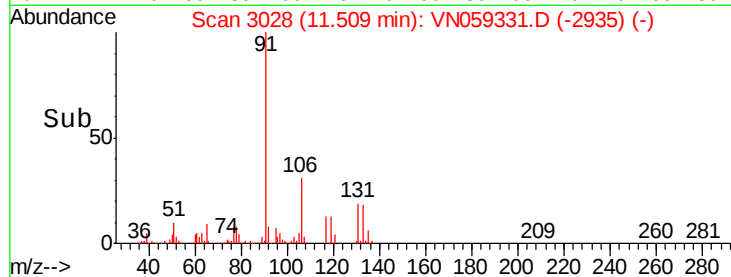
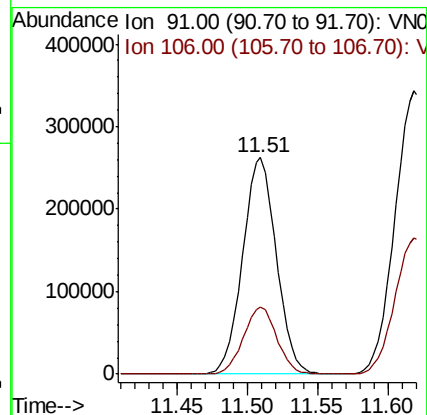
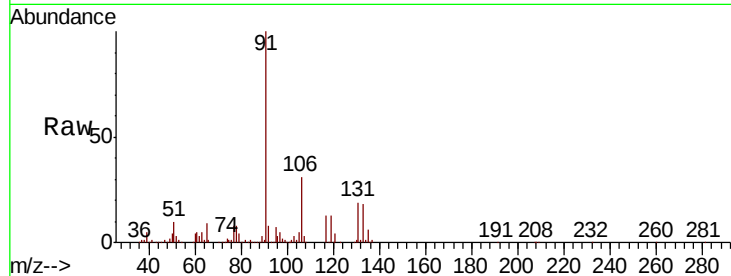
ClientSampleId :

Tot Ion: 91 Resp: 439785

Ion Ratio Lower Upper

91 100

106 31.1 24.6 37.0



#68

m/p-Xylenes

Concen: 33.931 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059331.D

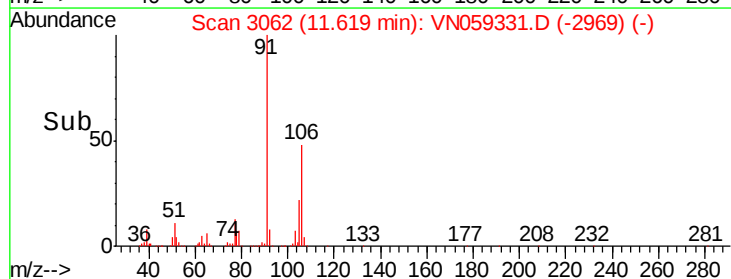
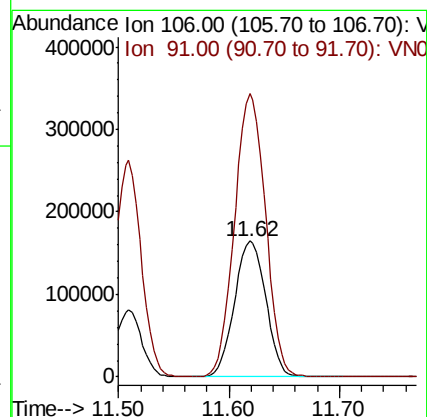
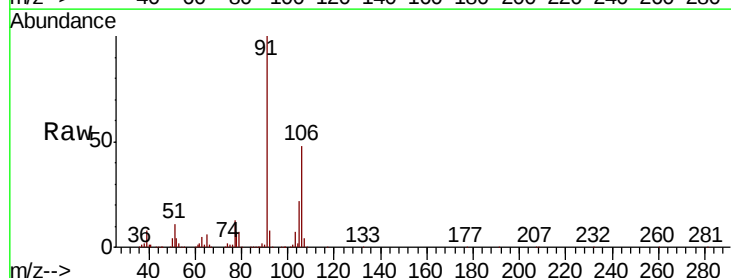
Acq: 21 Nov 2019 13:39

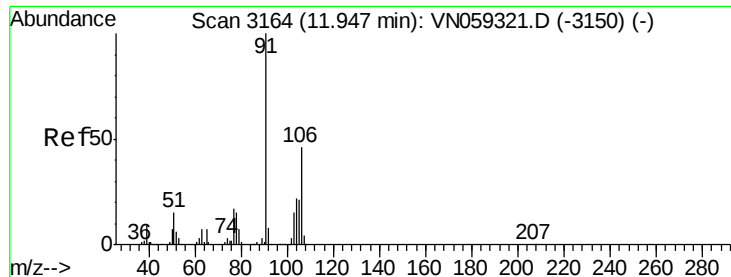
Tgt Ion: 106 Resp: 324798

Ion Ratio Lower Upper

106 100

91 205.4 163.2 244.8

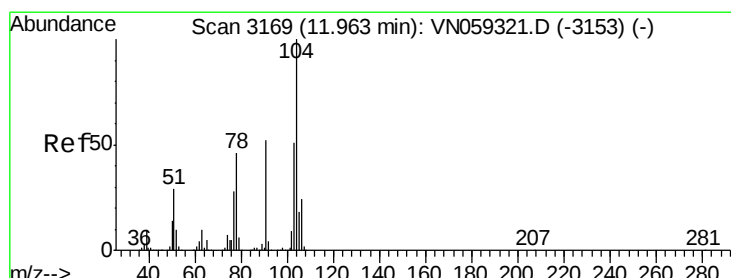
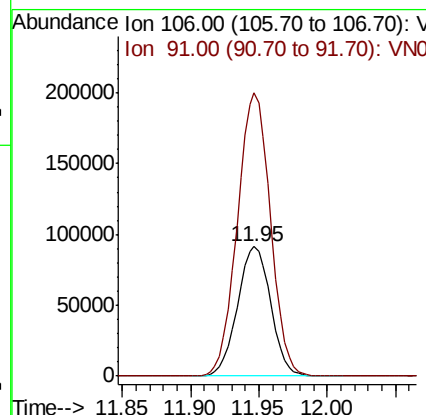
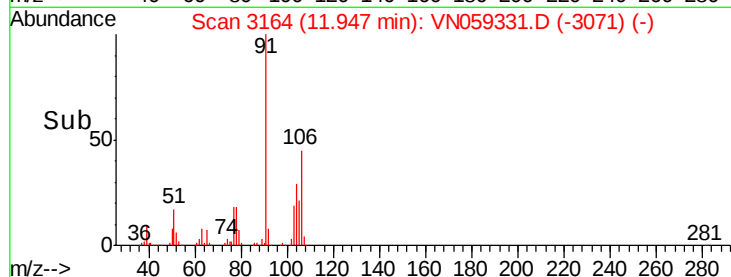
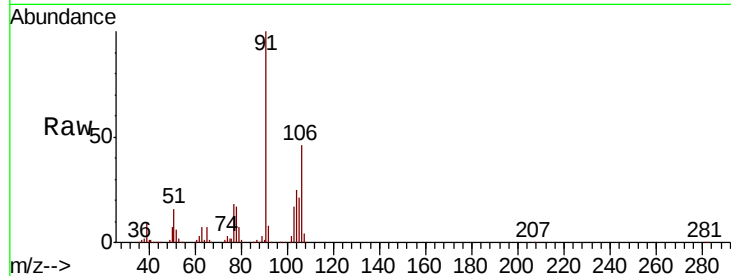




#69
o-Xylene
Concen: 16.844 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

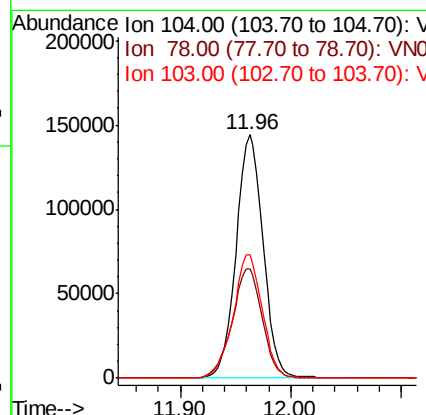
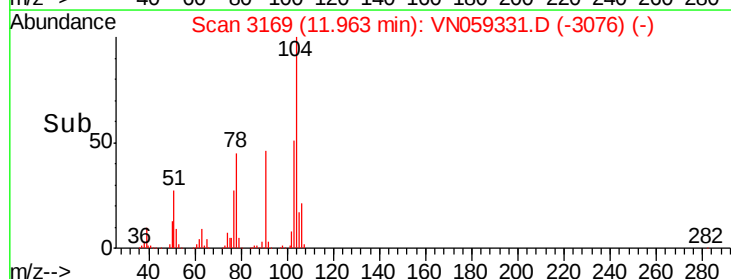
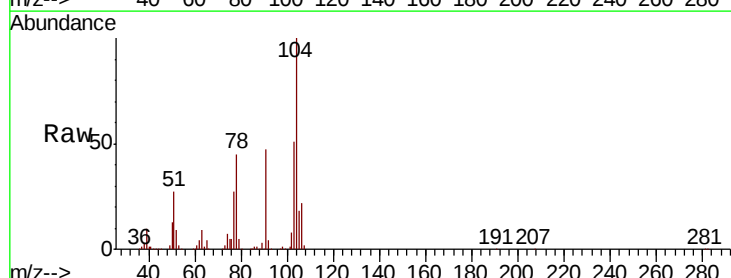
Instrument :
MSVOA_N
ClientSampled :

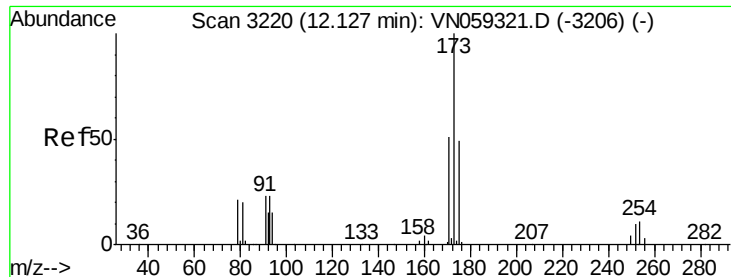
Tot Ion:106 Resp: 154361
Ion Ratio Lower Upper
106 100
91 218.1 109.3 327.9



#70
Styrene
Concen: 16.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion:104 Resp: 245201
Ion Ratio Lower Upper
104 100
78 50.1 40.3 60.5
103 54.7 43.6 65.4





#71

Bromoform

Concen: 16.554 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

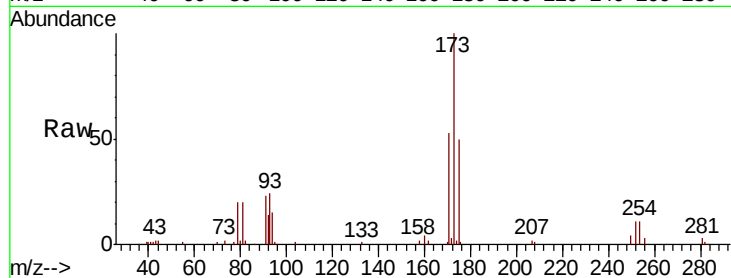
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:173 Resp: 65710

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.6
254	0.0	0.1	0.1

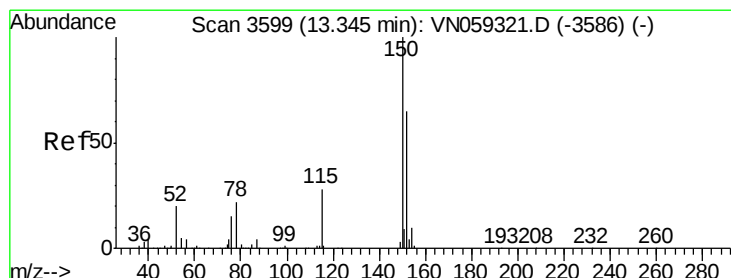
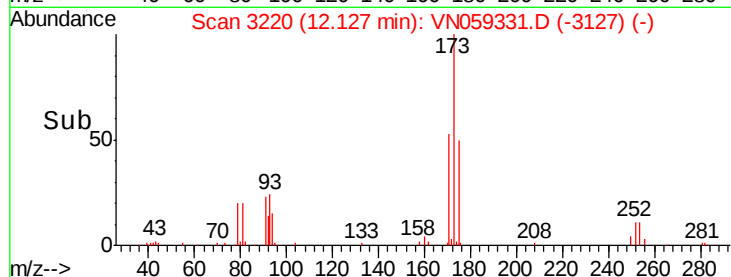
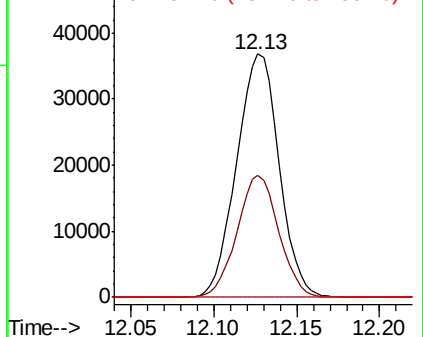


Abundance

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

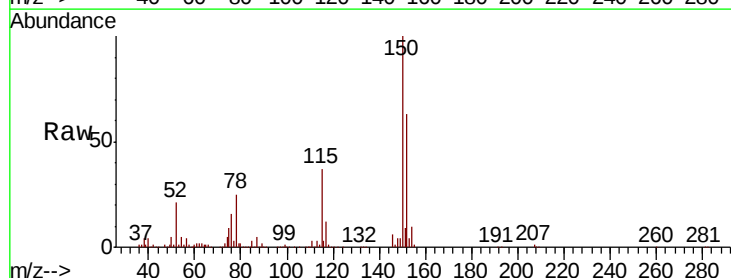
Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Tgt Ion:152 Resp: 298891

Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	88.0
150	162.0	0.0	346.0

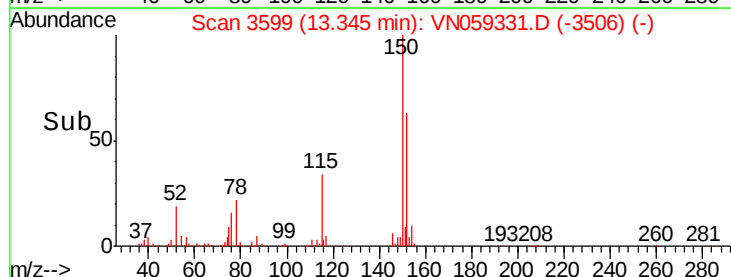
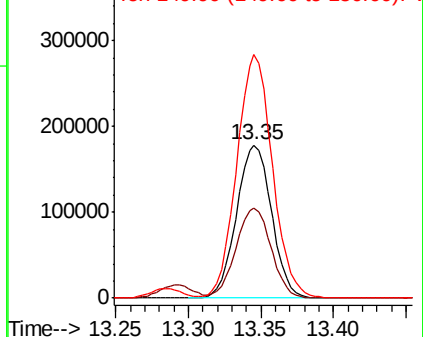


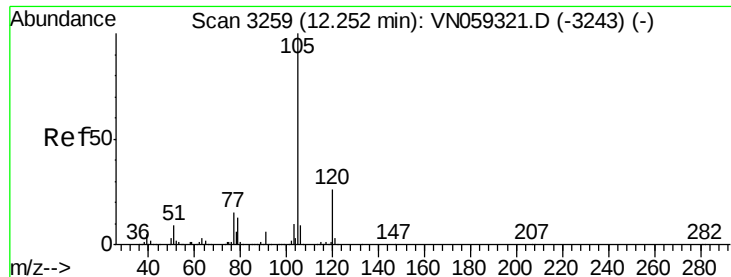
Abundance

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: 16.890 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

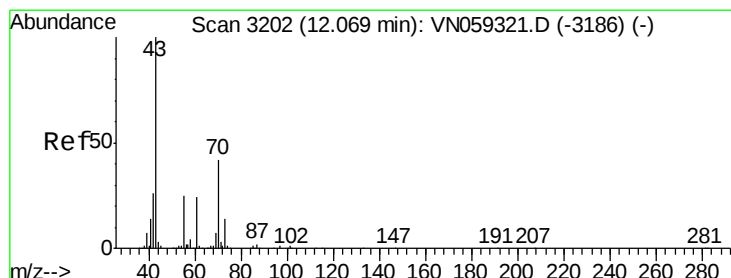
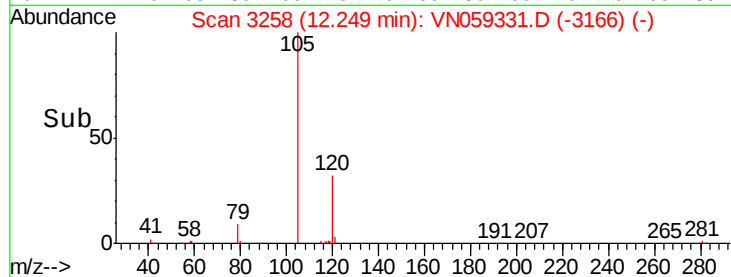
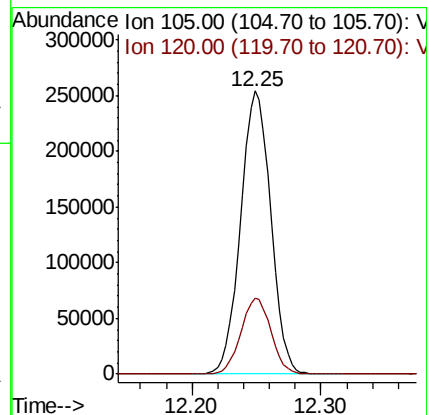
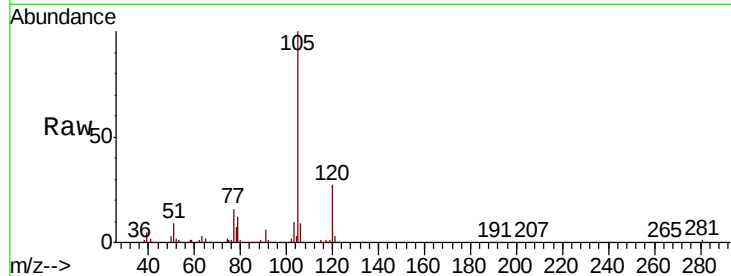
ClientSampled :

Tot Ion:105 Resp: 413559

Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.3



#74

N-ethyl acetate

Concen: 15.274 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Tgt Ion: 43 Resp: 150298

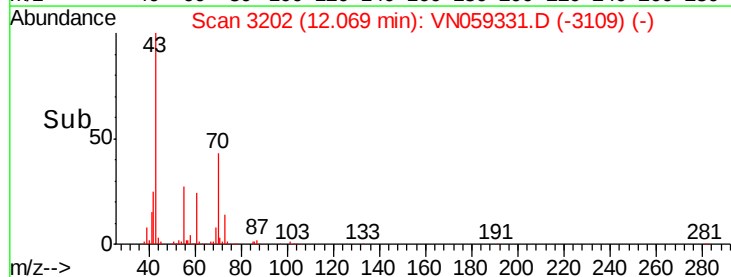
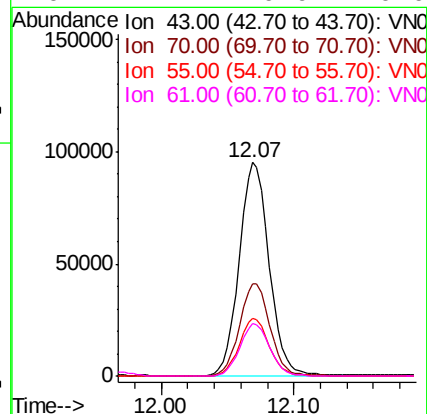
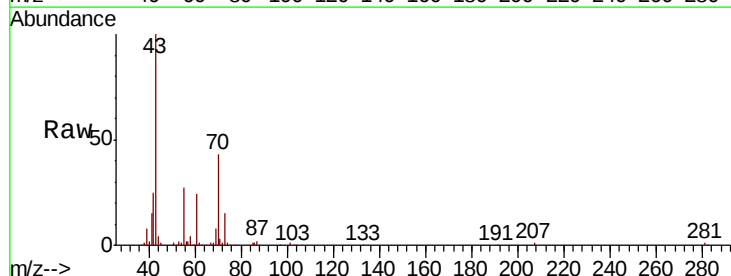
Ion Ratio Lower Upper

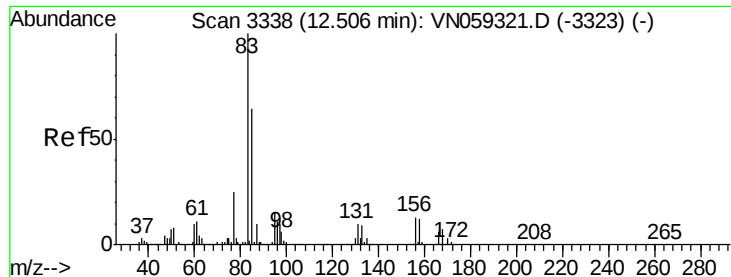
43 100

70 43.8 33.8 50.6

55 27.1 20.3 30.5

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 16.334 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

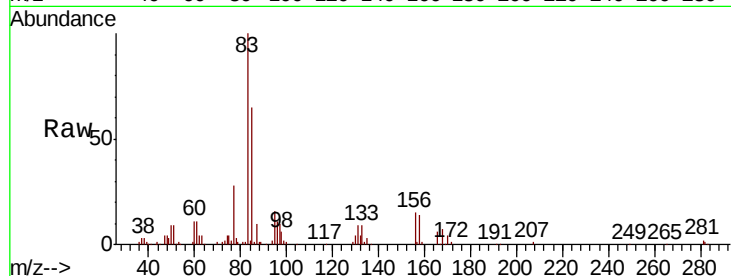
Tot Ion: 83 Resp: 132299

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

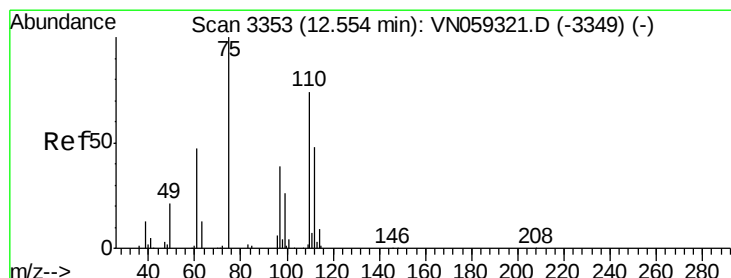
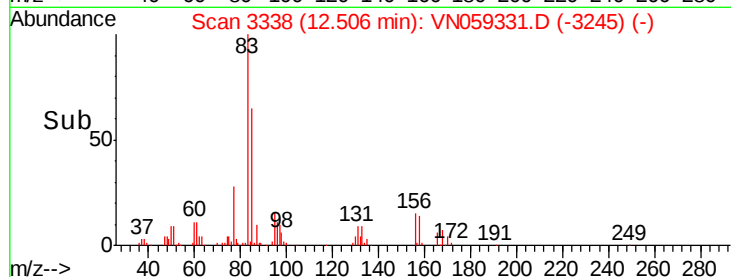
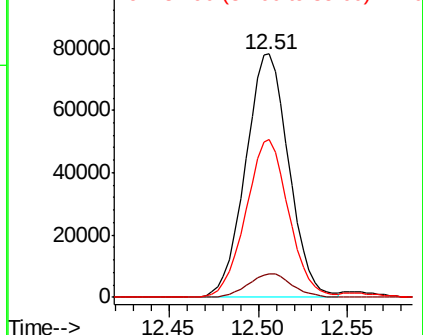
85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059331.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059331.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059331.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 25.148 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059331.D

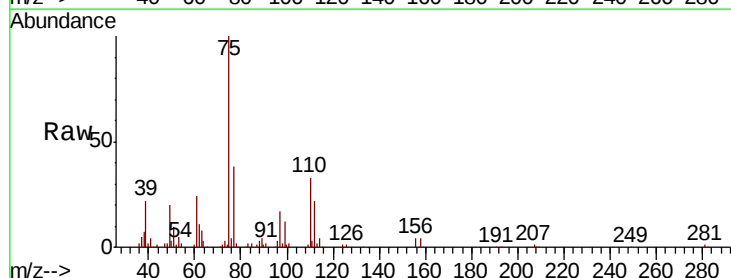
Acq: 21 Nov 2019 13:39

Tgt Ion: 75 Resp: 173653

Ion Ratio Lower Upper

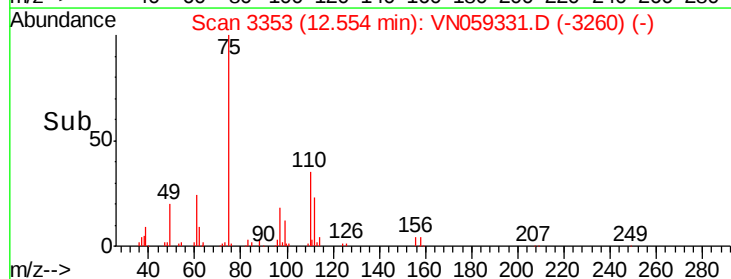
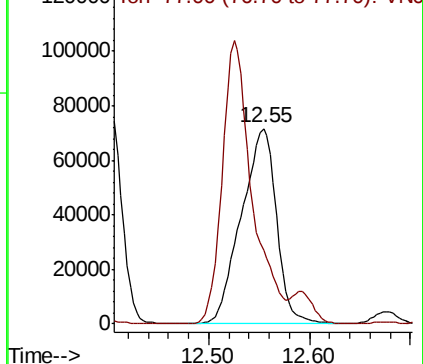
75 100

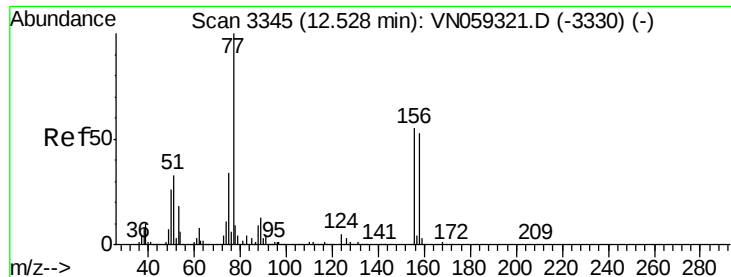
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059331.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059331.D (-3260) (-)





#77

Bromobenzene

Concen: 16.693 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

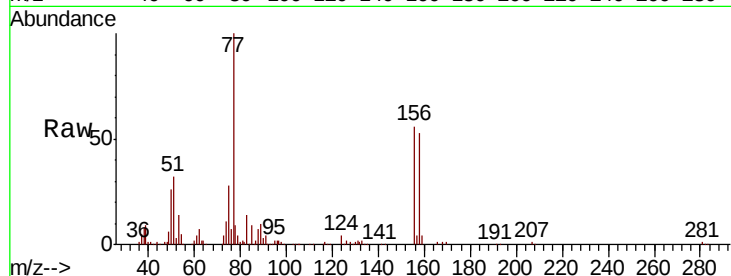
Tot Ion:156 Resp: 99134

Ion Ratio Lower Upper

156 100

77 217.6 111.1 333.4

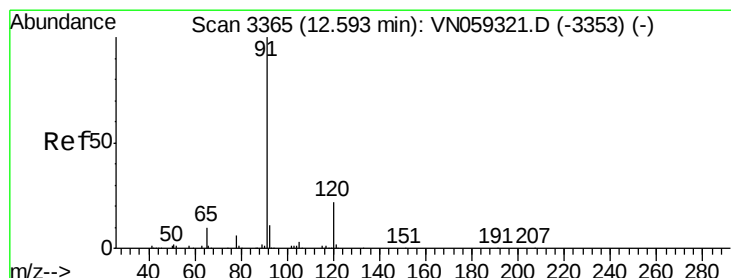
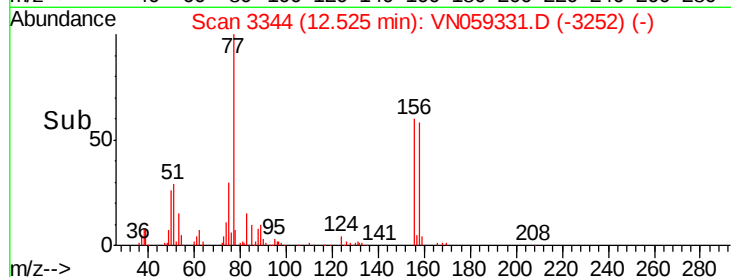
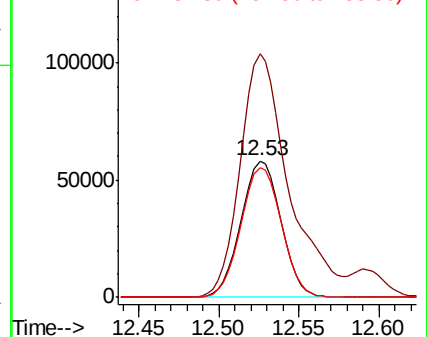
158 96.5 47.8 143.4



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: 17.110 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059331.D

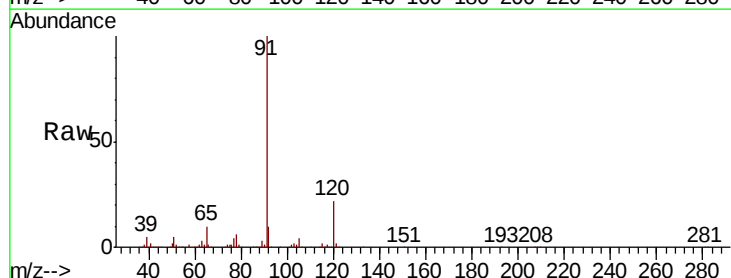
Acq: 21 Nov 2019 13:39

Tgt Ion: 91 Resp: 474533

Ion Ratio Lower Upper

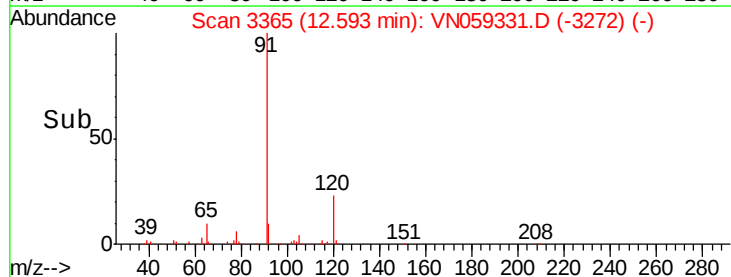
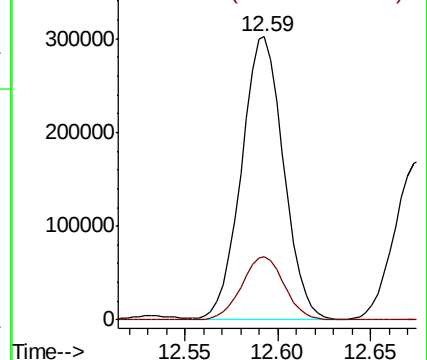
91 100

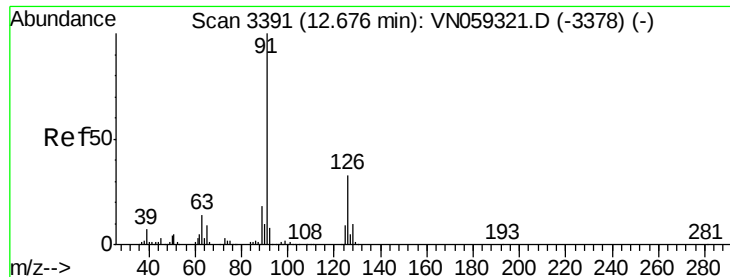
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

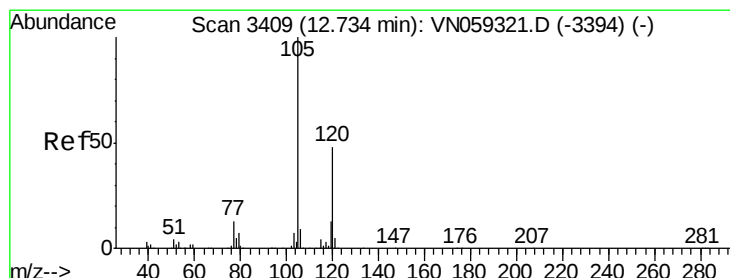
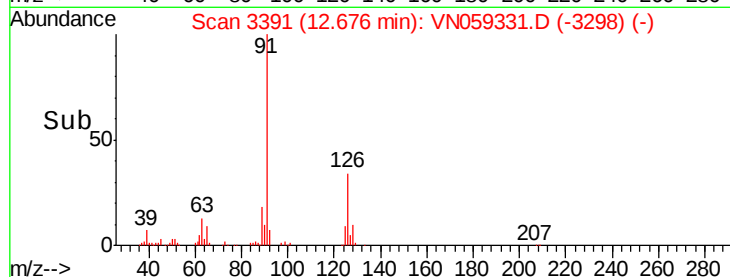
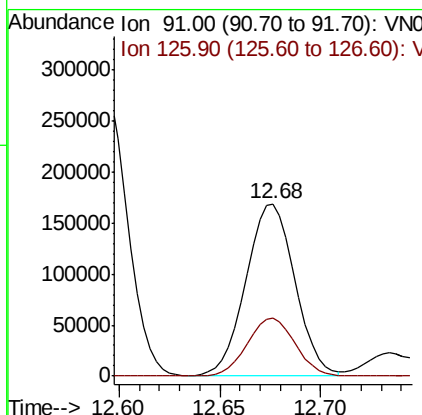
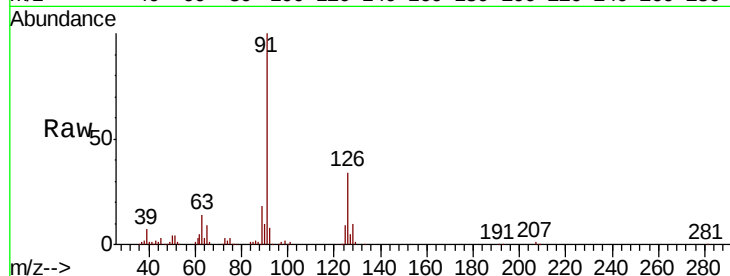




#79
 2-Chlorotoluene
 Concen: 16.715 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

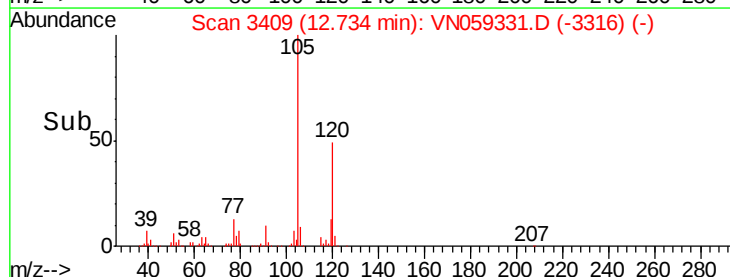
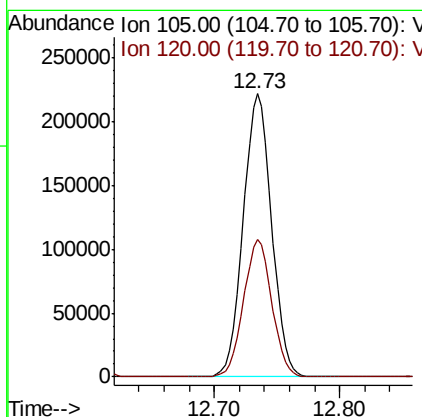
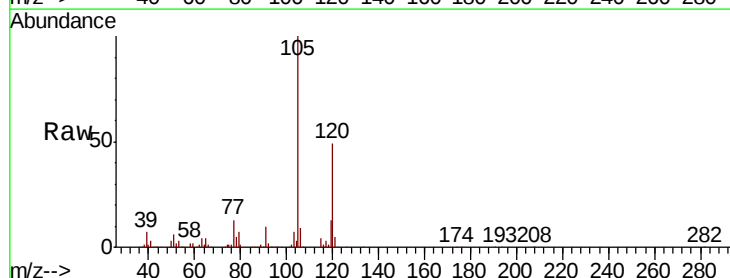
Instrument :
 MSVOA_N
 ClientSampled :

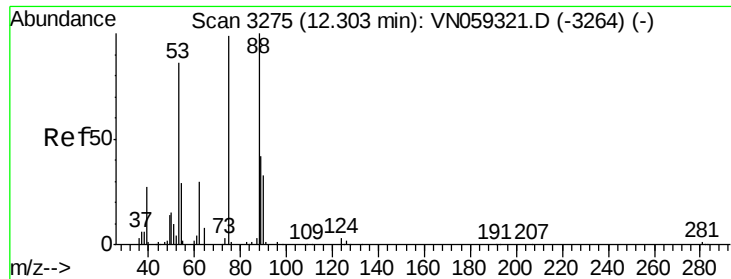
Tot Ion: 91 Resp: 284543
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 16.927 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion: 105 Resp: 348410
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.838 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

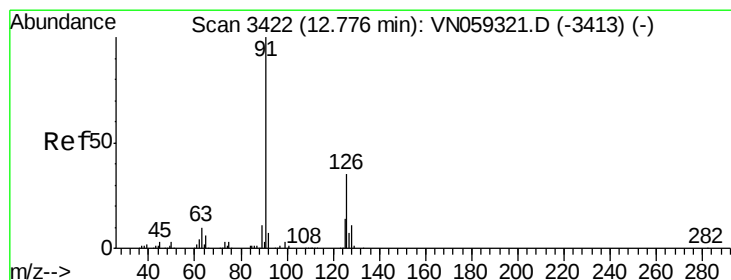
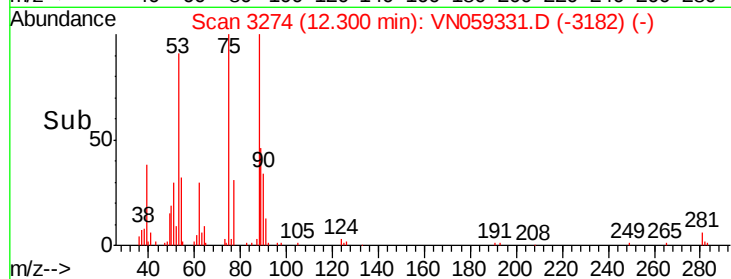
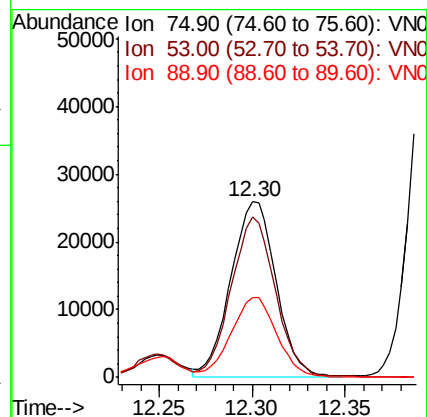
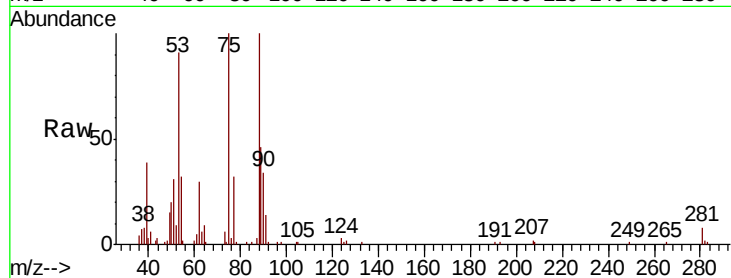
Tot Ion: 75 Resp: 43726

Ion Ratio Lower Upper

75 100

53 90.0 70.7 106.1

89 46.1 35.4 53.0



#82

4-Chlorotoluene

Concen: 16.441 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059331.D

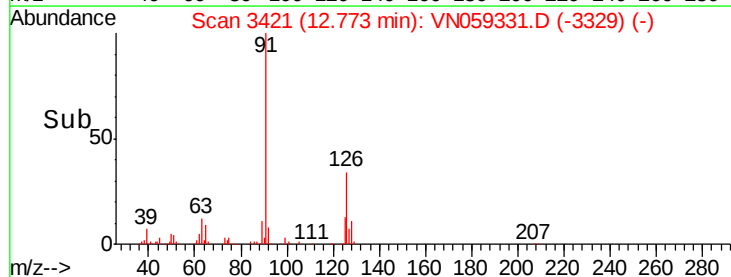
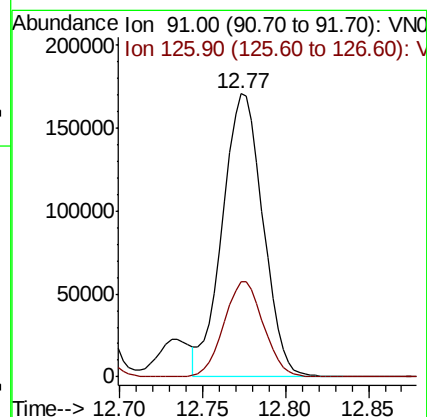
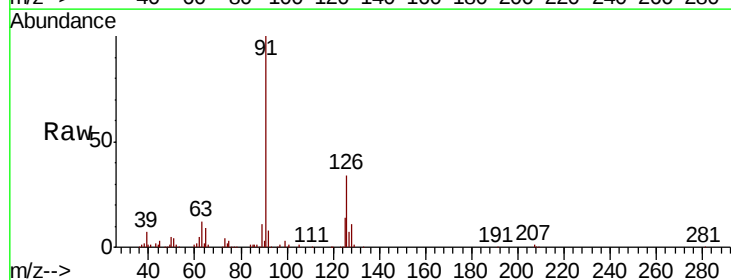
Acq: 21 Nov 2019 13:39

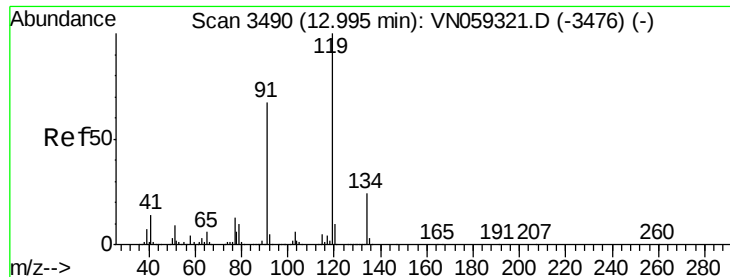
Tgt Ion: 91 Resp: 289634

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6





#83

tert-Butylbenzene

Concen: 17.103 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampleId :

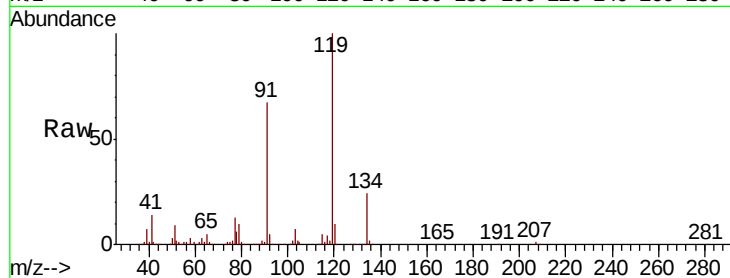
Tot Ion:119 Resp: 297303

Ion Ratio Lower Upper

119 100

91 65.3 32.8 98.4

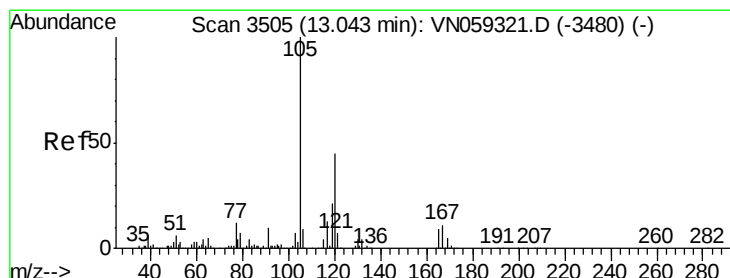
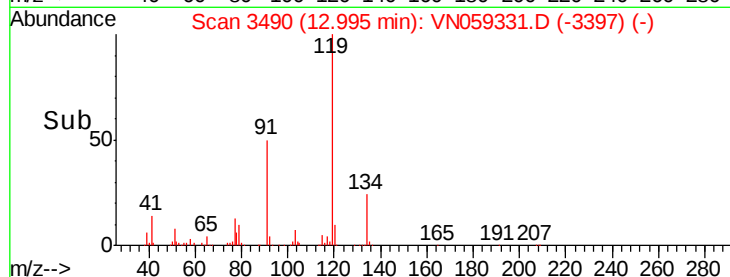
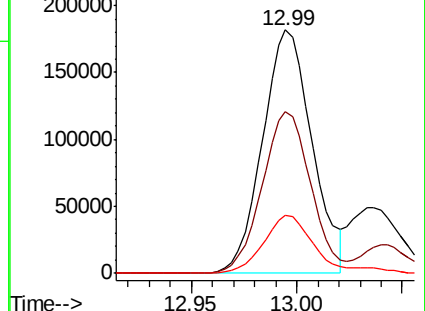
134 25.1 13.0 38.9



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: 17.023 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059331.D

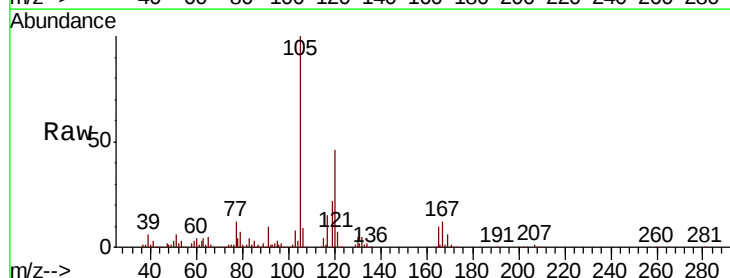
Acq: 21 Nov 2019 13:39

Tgt Ion:105 Resp: 343228

Ion Ratio Lower Upper

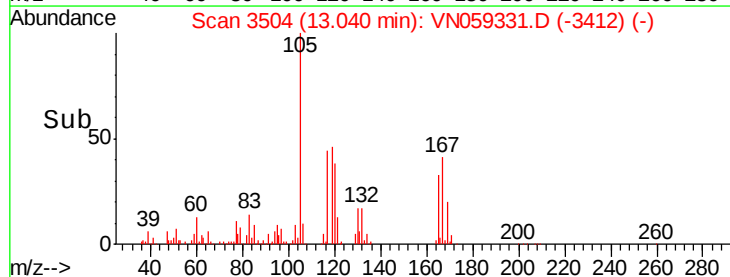
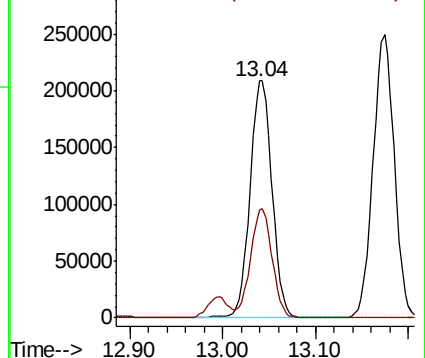
105 100

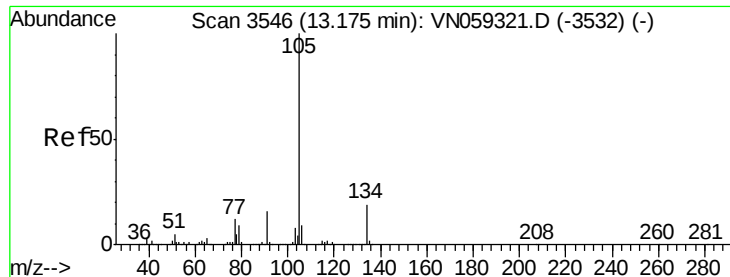
120 45.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.878 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

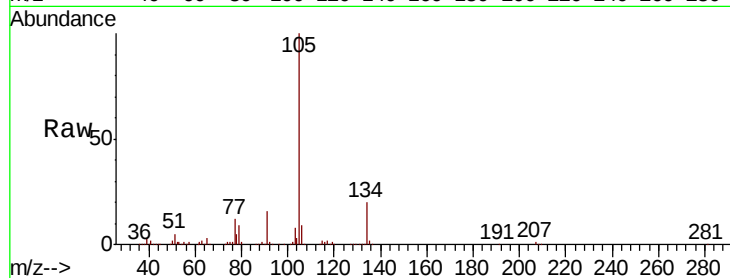
ClientSampled :

Tot Ion:105 Resp: 394347

Ion Ratio Lower Upper

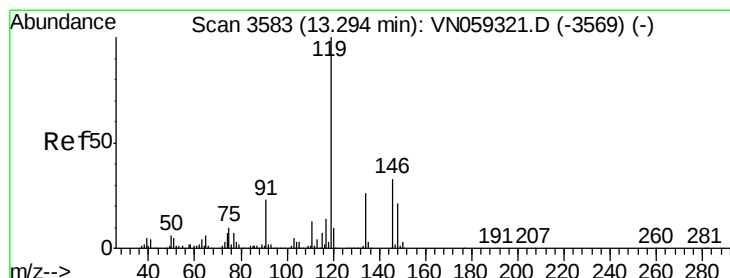
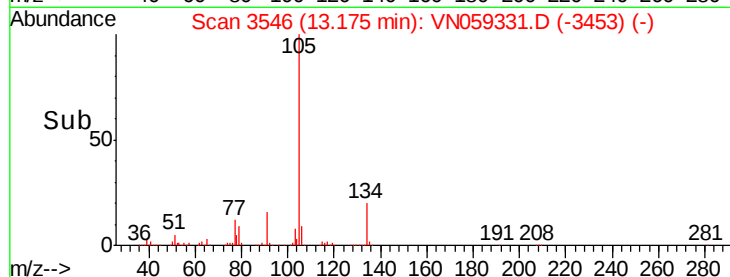
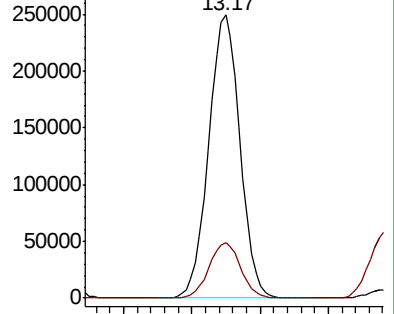
105 100

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: 16.868 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

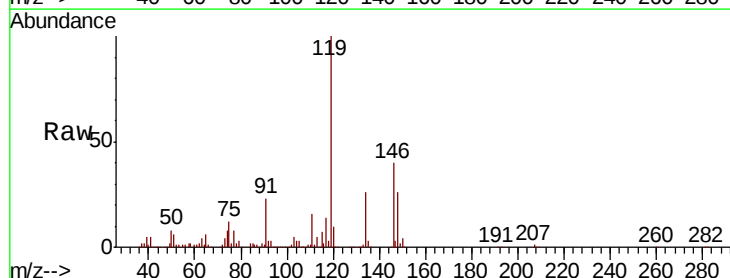
Tgt Ion:119 Resp: 350691

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

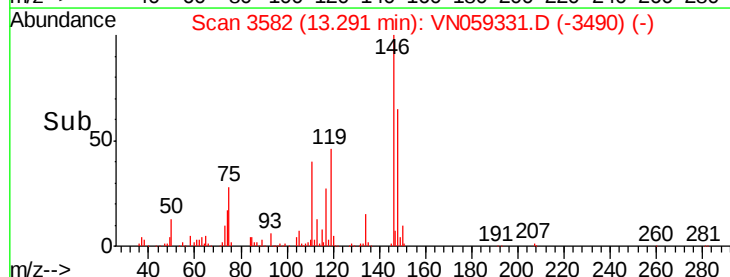
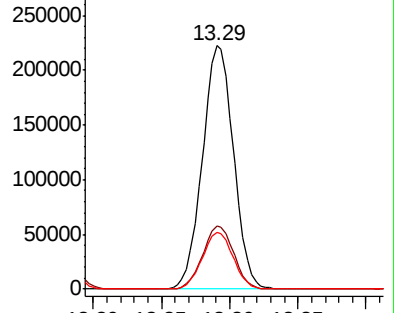
91 23.0 11.6 34.7



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

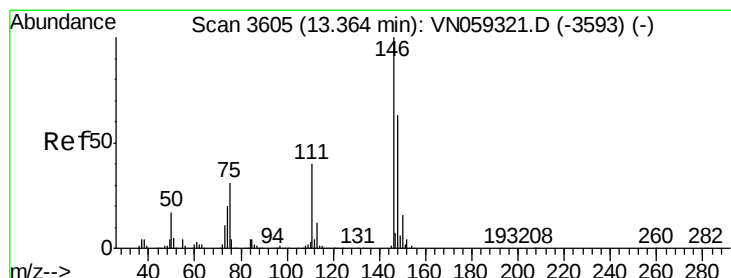
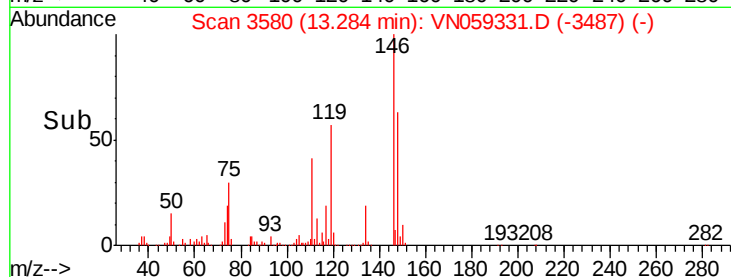
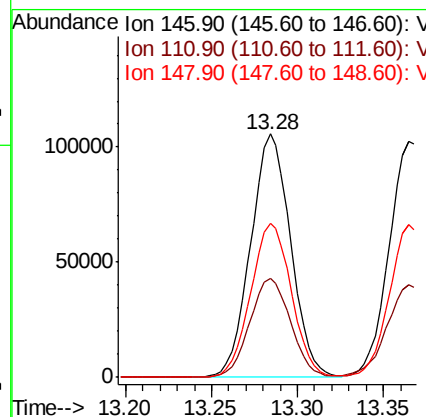
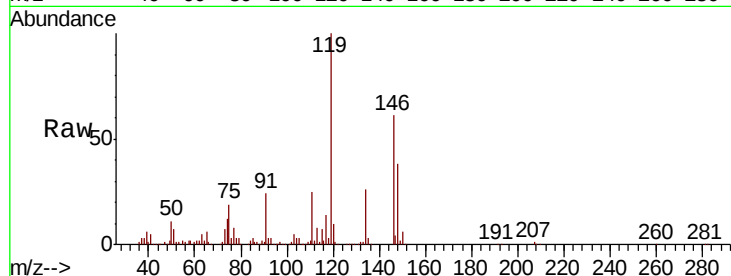




#87
 1,3-Dichlorobenzene
 Concen: 16.158 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

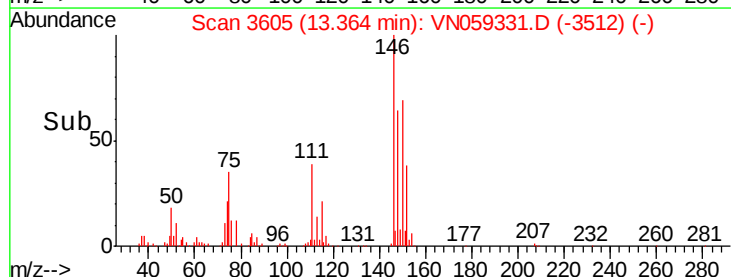
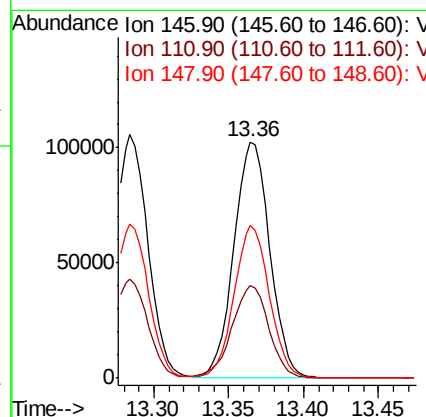
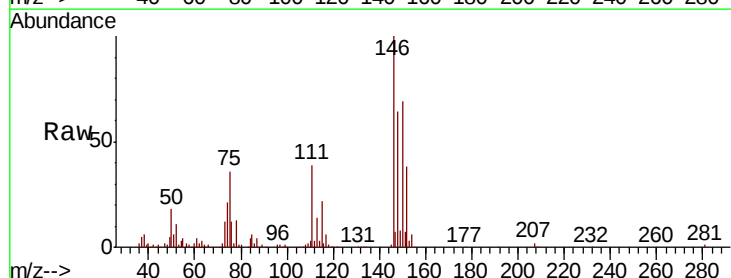
Instrument :
 MSVOA_N
 ClientSampled :

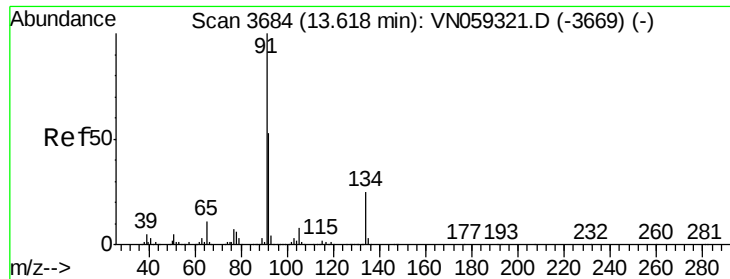
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.8
148	64.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 16.371 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	63.1	31.7	95.1





#89

n-Butylbenzene

Concen: 16.429 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059331.D

Acq: 21 Nov 2019 13:39

Instrument :

MSVOA_N

ClientSampled :

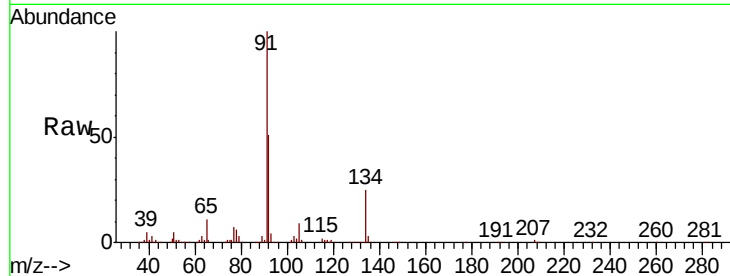
Tot Ion: 91 Resp: 299636

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

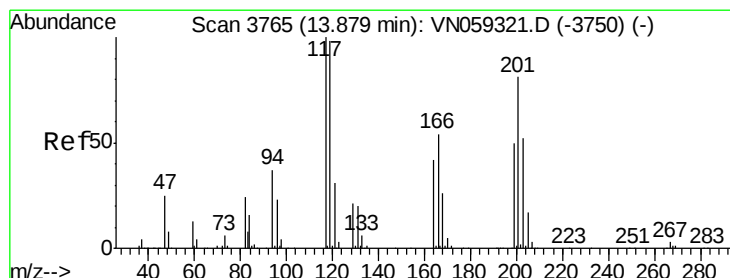
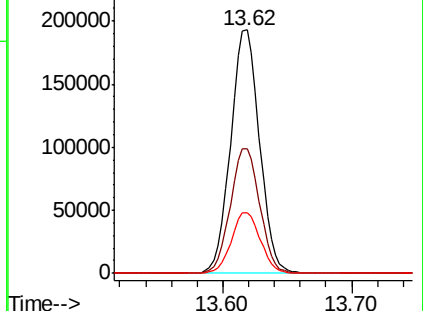
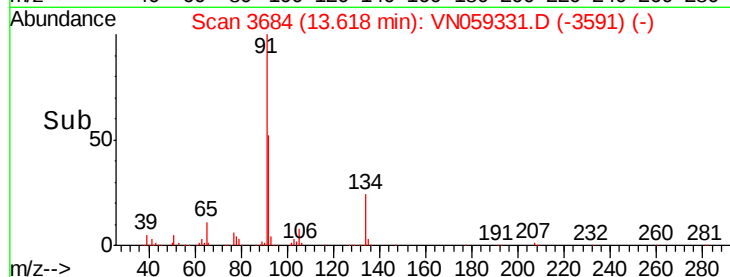
134 25.2 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN059331.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059331.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059331.D (-3669) (-)



#90

Hexachloroethane

Concen: 16.399 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059331.D

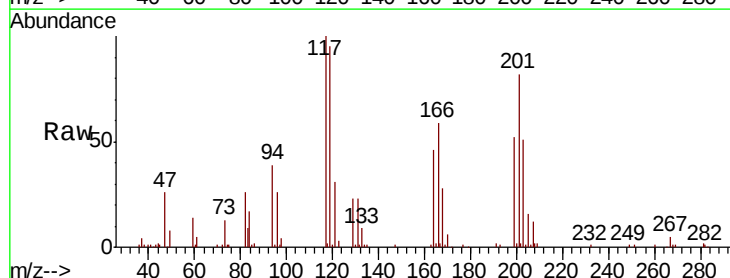
Acq: 21 Nov 2019 13:39

Tgt Ion: 117 Resp: 64570

Ion Ratio Lower Upper

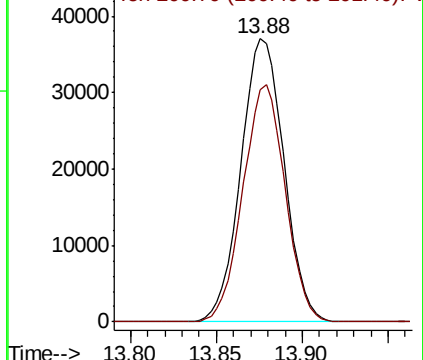
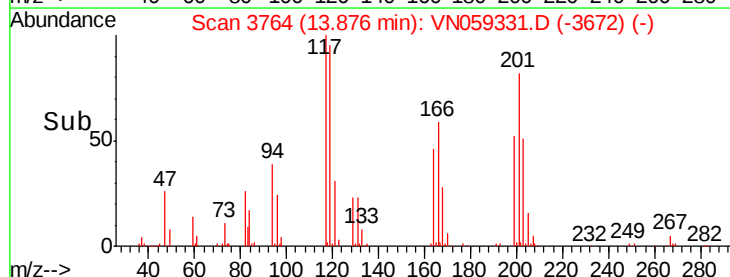
117 100

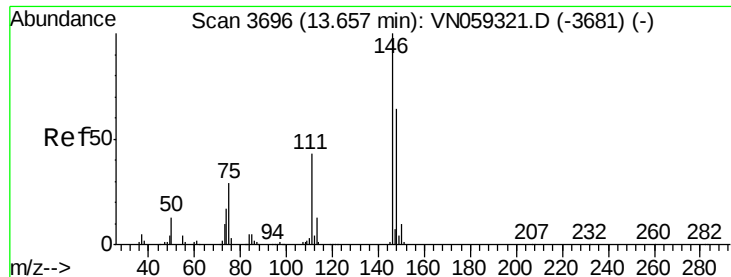
201 82.0 40.4 121.2



Abundance Ion 116.80 (116.50 to 117.50): VN059331.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059331.D (-3750) (-)

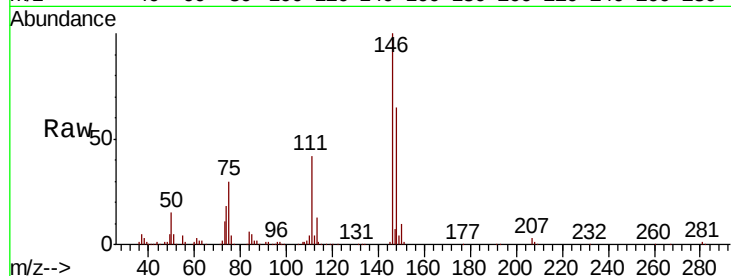




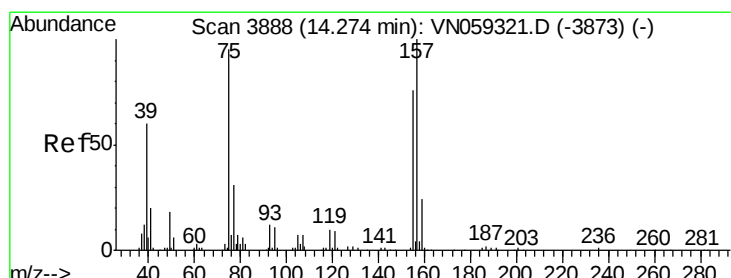
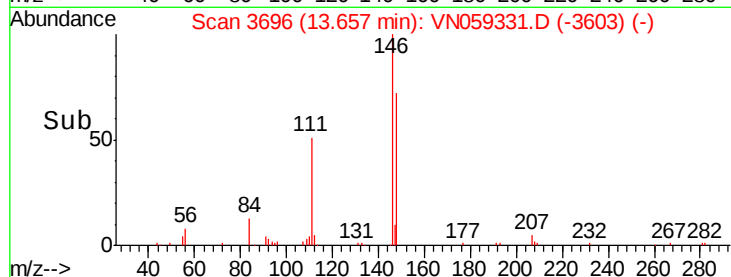
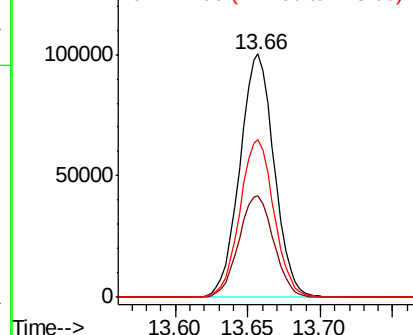
#91
 1,2-Dichlorobenzene
 Concen: 16.091 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	64.8	31.9	95.5

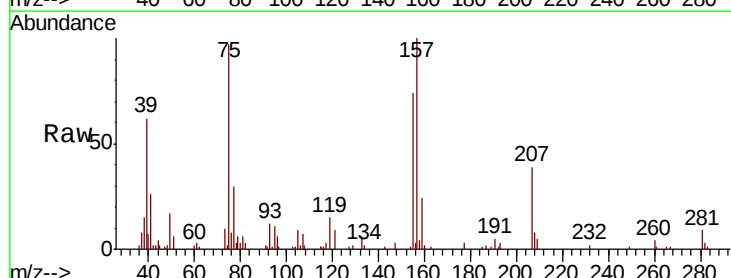


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

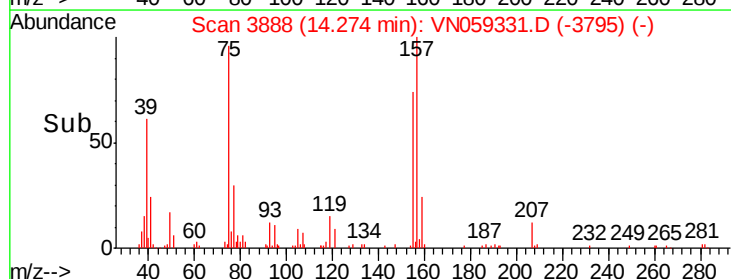
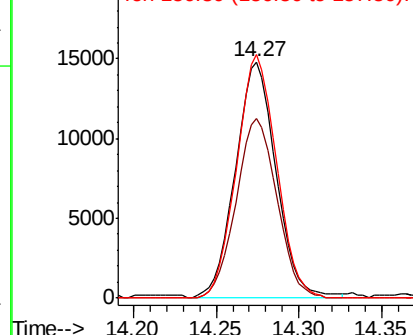


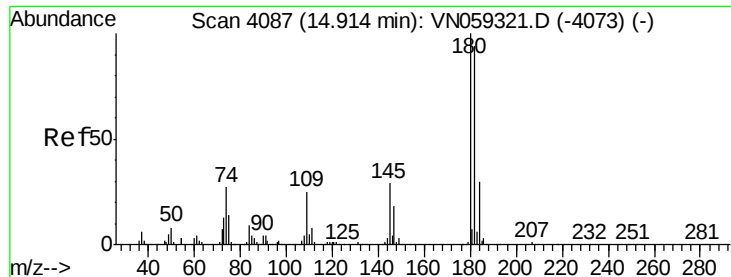
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.711 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	40.5	121.5
157	100.8	52.7	158.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

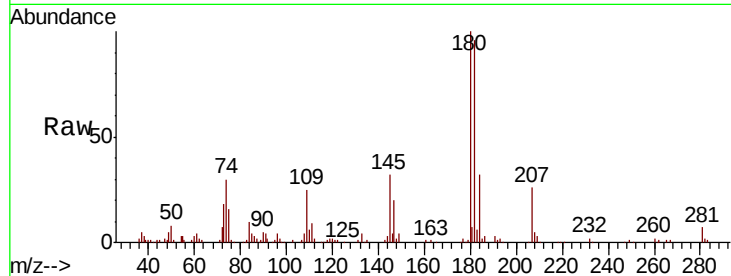




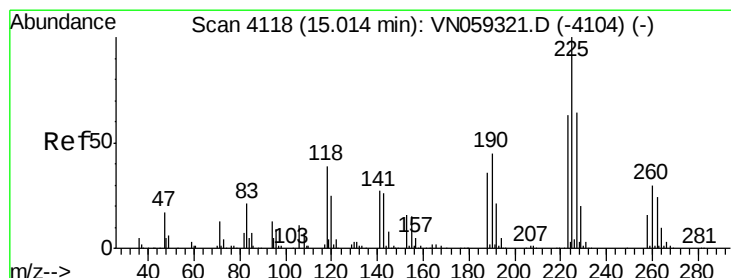
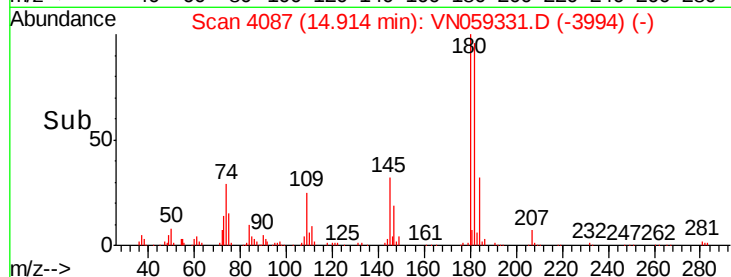
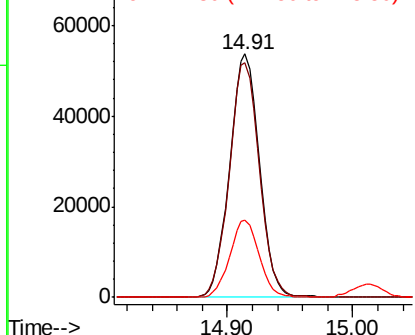
#93
 1,2,4-Trichlorobenzene
 Concen: 16.027 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 88497
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.2 141.6
 145 31.1 14.9 44.5

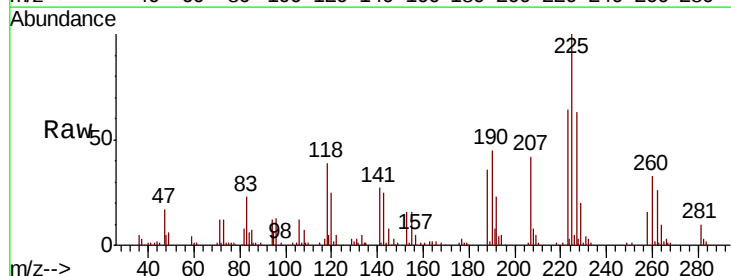


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

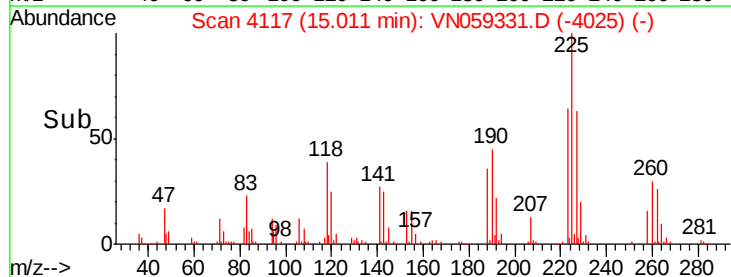
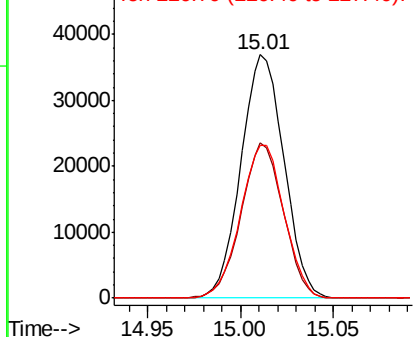


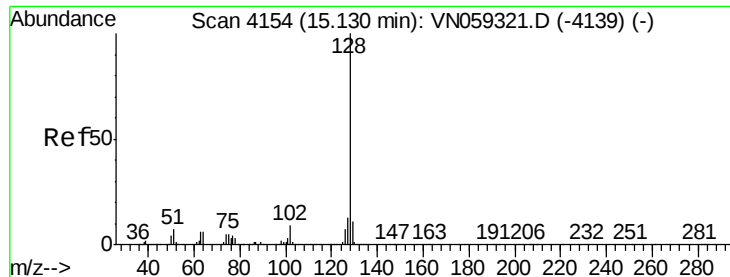
#94
 Hexachlorobutadiene
 Concen: 16.115 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059331.D
 Acq: 21 Nov 2019 13:39

Tgt Ion:225 Resp: 59408
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 94.8
 227 63.9 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

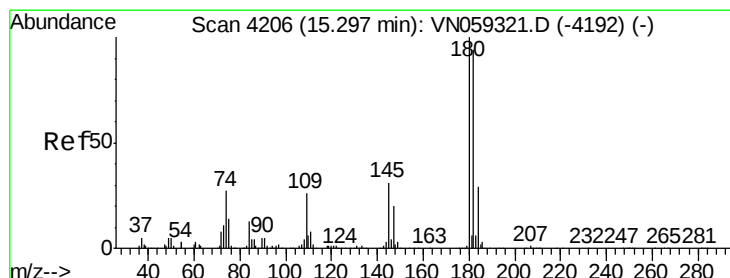
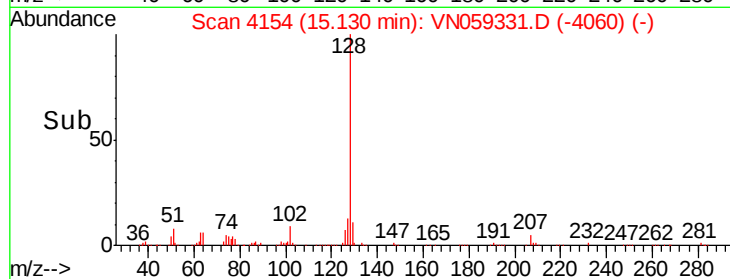
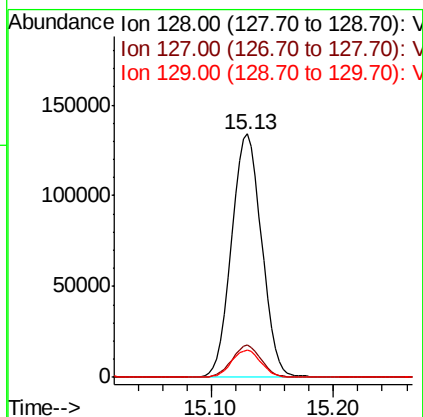
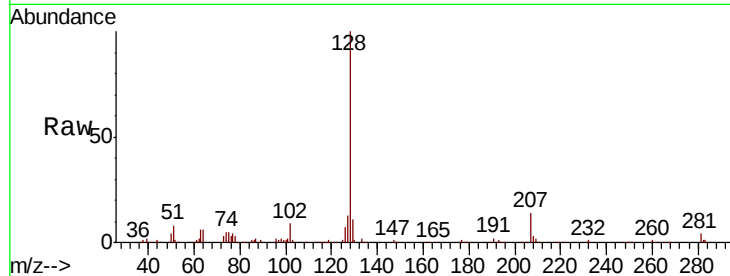




#95
Naphthalene
Concen: 15.396 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 230052
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 15.872 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059331.D
Acq: 21 Nov 2019 13:39

Tgt Ion:180 Resp: 90720
Ion Ratio Lower Upper
180 100
182 96.8 47.1 141.4
145 32.4 15.6 46.8

