

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112119\
 Data File : VN059349.D
 Acq On : 21 Nov 2019 20:13
 Operator : JC/SP
 Sample : VN1121MBS04
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:08:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	371624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	526383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	226872	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.57	113	181504	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.08	98	728542	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	257129	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	91278	19.186	ug/l 99
3) Chloromethane	2.04	50	113031	19.393	ug/l 100
4) Vinyl Chloride	2.17	62	119925	19.985	ug/l 100
5) Bromomethane	2.54	94	64483	19.356	ug/l 98
6) Chloroethane	2.68	64	60479	18.467	ug/l 100
7) Trichlorofluoromethane	3.00	101	121205	18.757	ug/l 98
8) Diethyl Ether	3.39	74	51277	19.410	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	73503	18.602	ug/l 98
10) Methyl Iodide	3.93	142	95626	19.473	ug/l 98
11) Tert butyl alcohol	4.75	59	86917	97.361	ug/l 99
12) 1,1-Dichloroethene	3.72	96	76268	19.016	ug/l 97
13) Acrolein	3.58	56	84548	103.750	ug/l 98
14) Allyl chloride	4.29	41	142707	19.046	ug/l 99
15) Acrylonitrile	4.95	53	232541	98.518	ug/l 100
16) Acetone	3.79	43	180228	90.147	ug/l 99
17) Carbon Disulfide	4.03	76	238905	19.093	ug/l 100
18) Methyl Acetate	4.29	43	129905	19.579	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	255998	19.761	ug/l 100
20) Methylene Chloride	4.52	84	85702	19.007	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	80789	19.006	ug/l 98
22) Diisopropyl ether	5.92	45	272774	19.335	ug/l 99
23) Vinyl Acetate	5.87	43	1084875	97.792	ug/l 100
24) 1,1-Dichloroethane	5.82	63	155078	19.529	ug/l 99
25) 2-Butanone	6.81	43	298870	96.135	ug/l 97
26) 2,2-Dichloropropane	6.80	77	125496	18.252	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	92118	19.207	ug/l 99
28) Bromochloromethane	7.17	49	64699	21.413	ug/l 96
29) Tetrahydrofuran	7.19	42	205723	95.700	ug/l 99
30) Chloroform	7.35	83	146981	18.989	ug/l 98
31) Cyclohexane	7.63	56	148357	18.896	ug/l 94
32) 1,1,1-Trichloroethane	7.55	97	126448	19.099	ug/l 99
36) 1,1-Dichloropropene	7.77	75	114577	18.710	ug/l 100
37) Ethyl Acetate	6.90	43	126285	19.188	ug/l 98
38) Carbon Tetrachloride	7.75	117	109649	18.704	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	138831	18.800	ug/l	98
40) Benzene	8.02	78	346211	19.262	ug/l	100
41) Methacrylonitrile	7.18	41	178793	61.196	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	114344	19.236	ug/l	100
43) Isopropyl Acetate	8.15	43	191493	19.038	ug/l	99
44) Trichloroethene	8.82	130	86810	19.058	ug/l	97
45) 1,2-Dichloropropane	9.10	63	91111	19.010	ug/l	99
46) Dibromomethane	9.19	93	56192	19.114	ug/l	100
47) Bromodichloromethane	9.39	83	111092	18.869	ug/l	100
48) Methyl methacrylate	9.19	41	84769	18.533	ug/l	96
49) 1,4-Dioxane	9.19	88	27415	398.803	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	597559	101.499	ug/l	99
52) Toluene	10.15	92	209094	19.348	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	130158	19.018	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	142175	19.144	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80145	19.073	ug/l	100
56) Ethyl methacrylate	10.42	69	124064	18.908	ug/l	99
57) 1,3-Dichloropropane	10.70	76	142079	19.400	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	216631	98.369	ug/l	99
59) 2-Hexanone	10.75	43	433415	100.538	ug/l	99
60) Dibromochloromethane	10.90	129	84917	19.178	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83308	19.054	ug/l	99
64) Tetrachloroethene	10.63	164	76736	18.849	ug/l	98
65) Chlorobenzene	11.43	112	217563	19.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	79212	19.265	ug/l	99
67) Ethyl Benzene	11.51	91	394047	19.499	ug/l	100
68) m/p-Xylenes	11.62	106	293434	39.076	ug/l	99
69) o-Xylene	11.95	106	140638	19.563	ug/l	99
70) Styrene	11.96	104	216565	19.092	ug/l	98
71) Bromoform	12.13	173	60387	19.392	ug/l #	98
73) Isopropylbenzene	12.25	105	376185	19.358	ug/l	99
74) N-amyl acetate	12.07	43	154235	19.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	121268	18.865	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	162644	29.678	ug/l #	100
77) Bromobenzene	12.53	156	88802	18.840	ug/l	98
78) n-propylbenzene	12.59	91	428840	19.482	ug/l	99
79) 2-Chlorotoluene	12.68	91	258694	19.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	320545	19.622	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41994	19.166	ug/l	99
82) 4-Chlorotoluene	12.77	91	260567	18.636	ug/l	99
83) tert-Butylbenzene	12.99	119	270366	19.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	320787	20.047	ug/l	99
85) sec-Butylbenzene	13.17	105	357667	19.288	ug/l	100
86) p-Isopropyltoluene	13.29	119	320518	19.424	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	157580	18.773	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	153548	18.489	ug/l	98
89) n-Butylbenzene	13.62	91	271443	18.752	ug/l	100
90) Hexachloroethane	13.88	117	57093	18.270	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	154098	18.975	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24446	17.887	ug/l	99

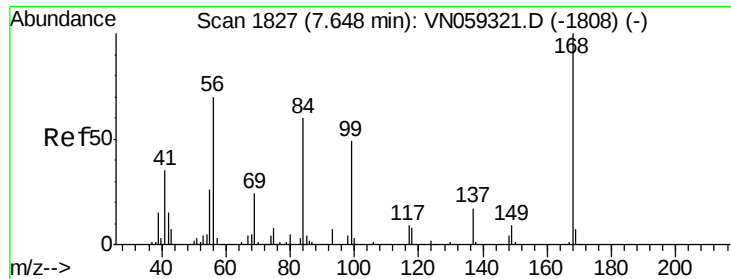
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85351	18.843	ug/l	98
94) Hexachlorobutadiene	15.01	225	53503	18.286	ug/l	98
95) Naphthalene	15.13	128	237002	19.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	87860	18.950	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

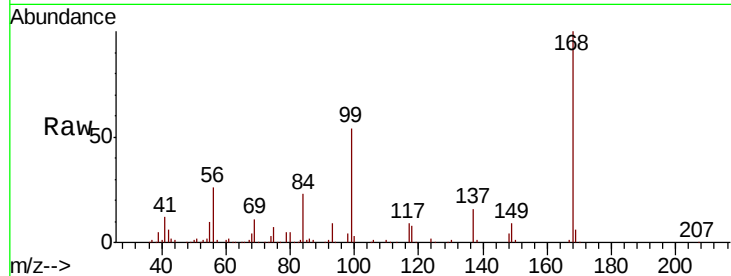
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 371624

Ion Ratio Lower Upper

168 100

99 54.4 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

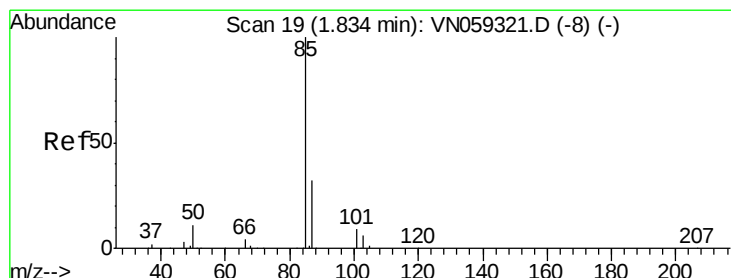
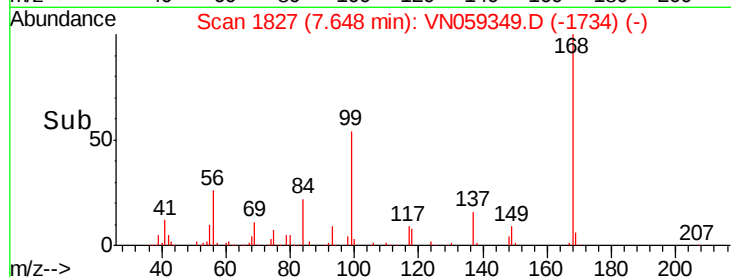
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.186 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059349.D

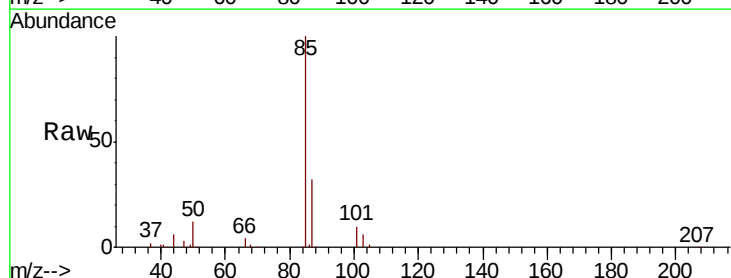
Acq: 21 Nov 2019 20:13

Tgt Ion: 85 Resp: 91278

Ion Ratio Lower Upper

85 100

87 31.5 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

60000

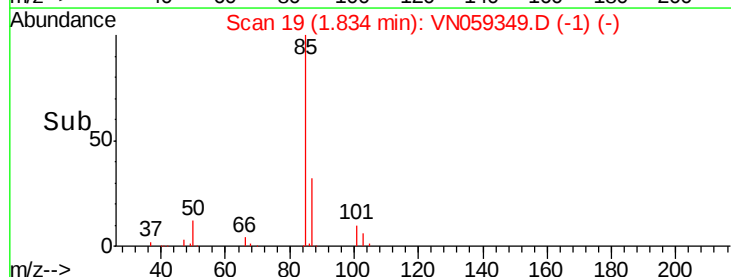
40000

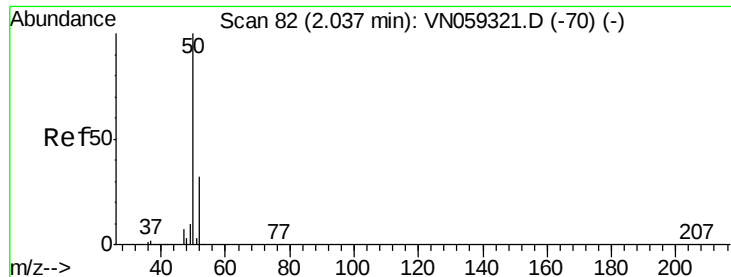
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.393 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

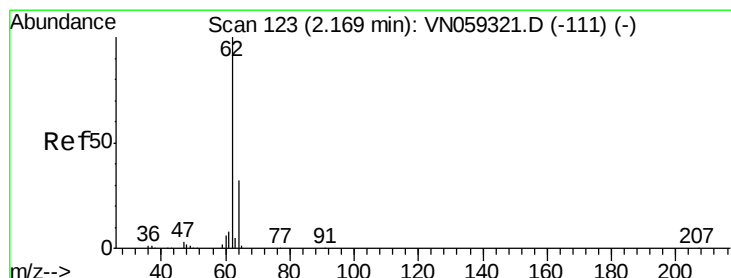
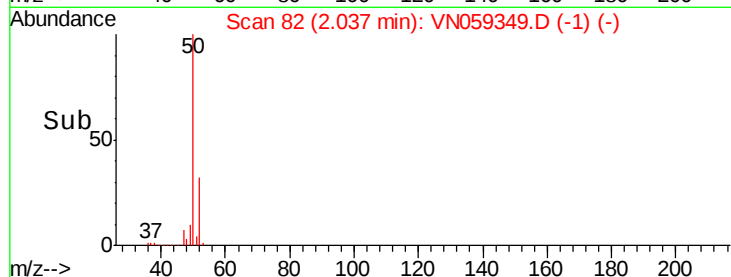
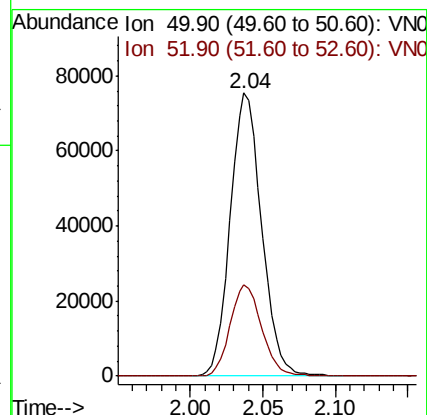
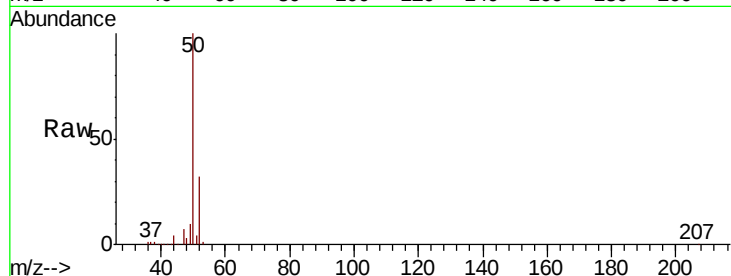
ClientSampled :

Tot Ion: 50 Resp: 113031

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 19.985 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059349.D

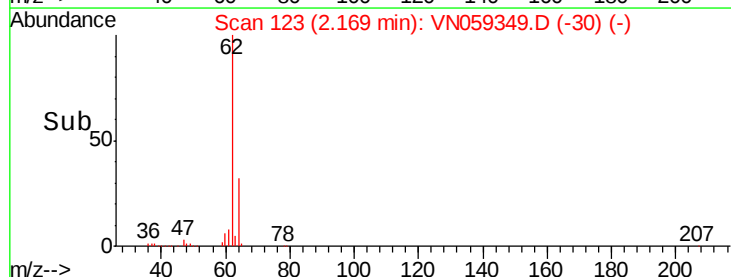
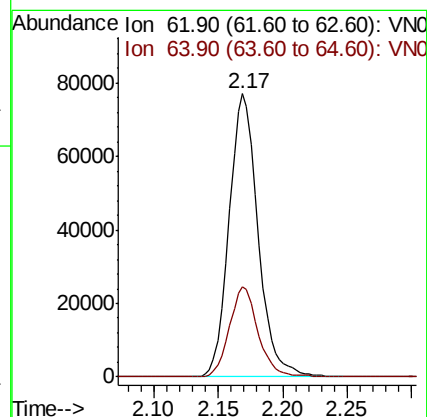
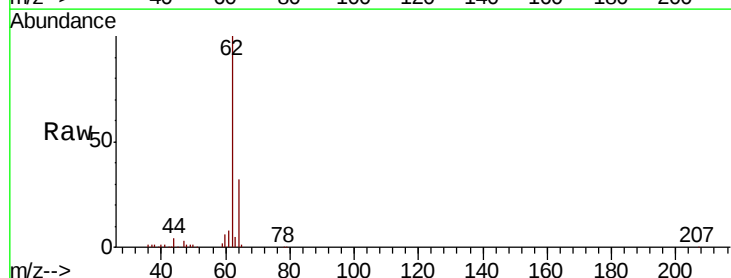
Acq: 21 Nov 2019 20:13

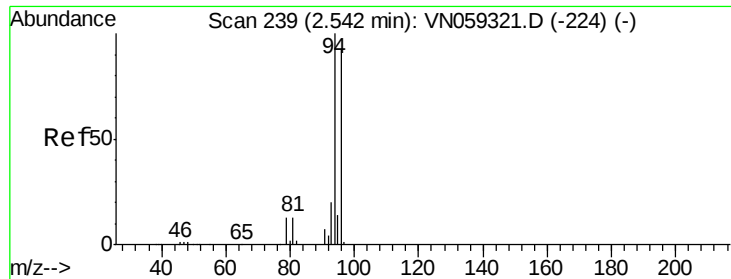
Tgt Ion: 62 Resp: 119925

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 19.356 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

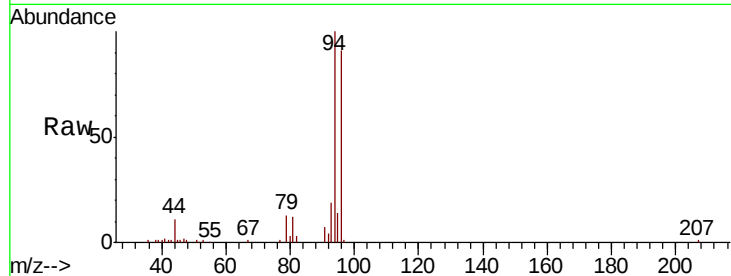
ClientSampleId :

Tot Ion: 94 Resp: 64483

Ion Ratio Lower Upper

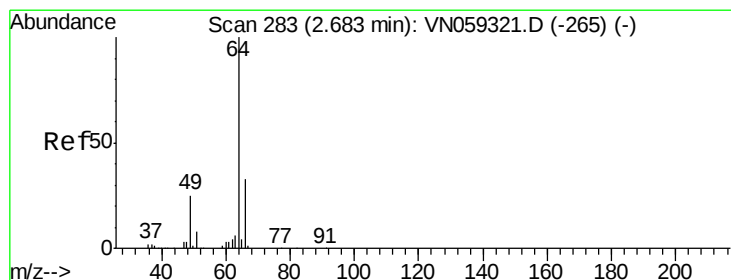
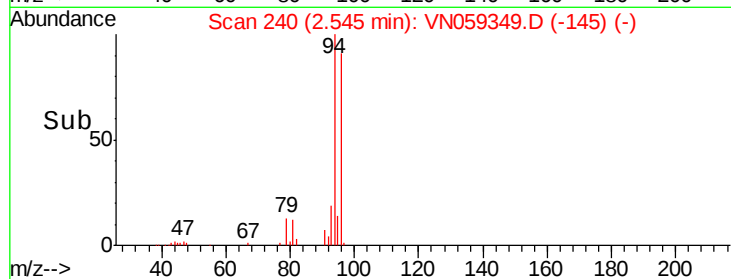
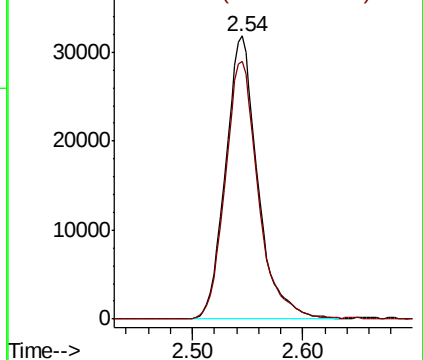
94 100

96 91.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 18.467 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059349.D

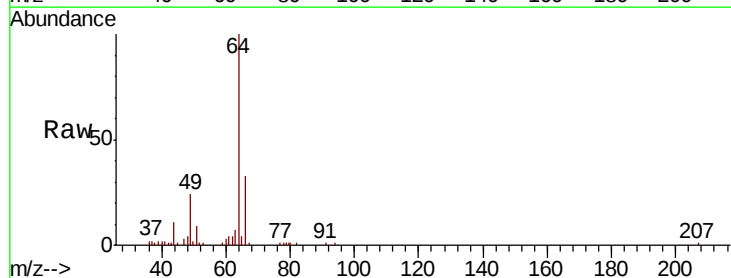
Acq: 21 Nov 2019 20:13

Tgt Ion: 64 Resp: 60479

Ion Ratio Lower Upper

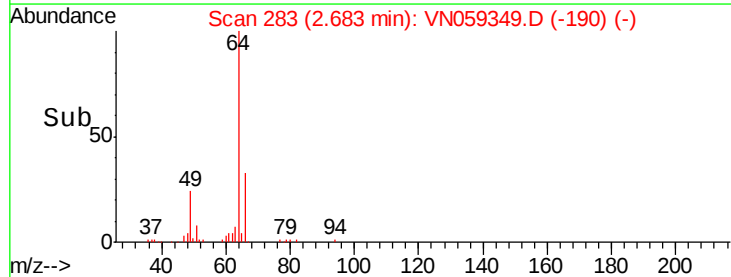
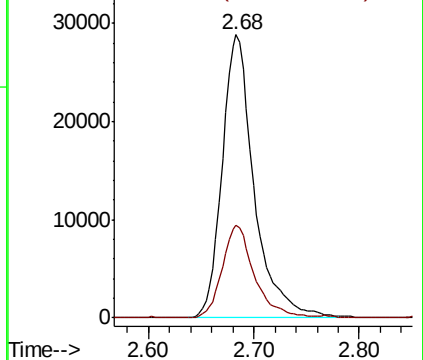
64 100

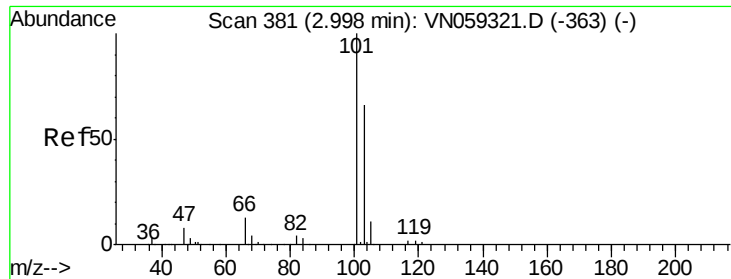
66 32.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



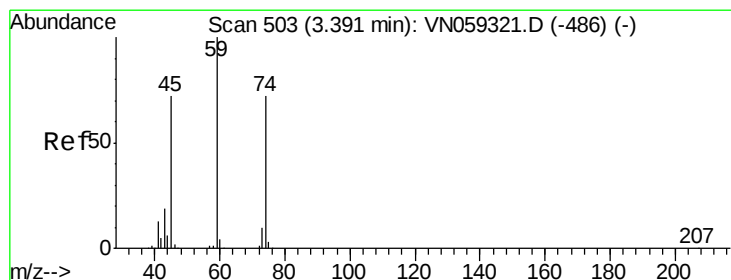
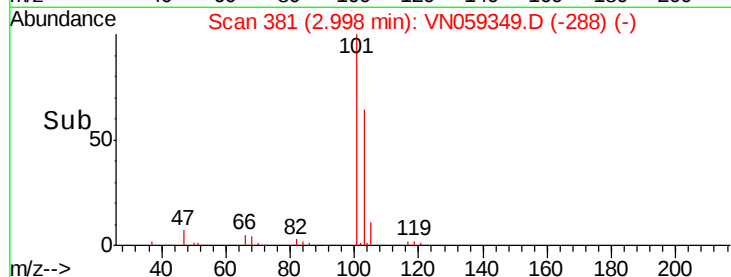
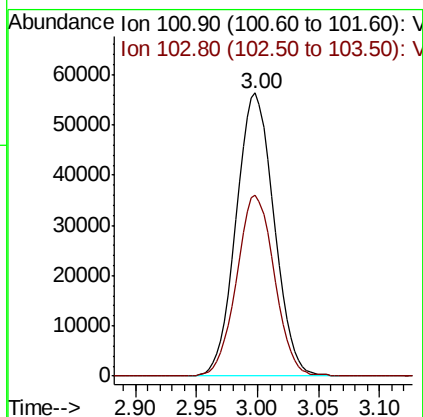
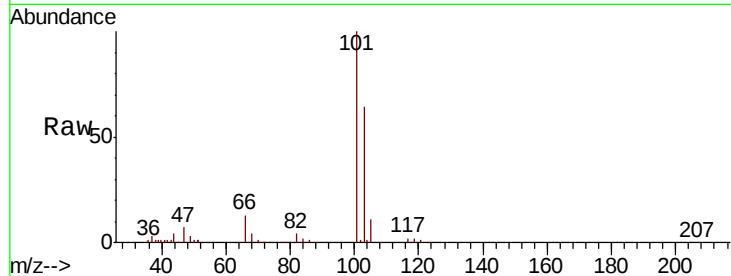


#7

Trichlorofluoromethane
 Concen: 18.757 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampled :

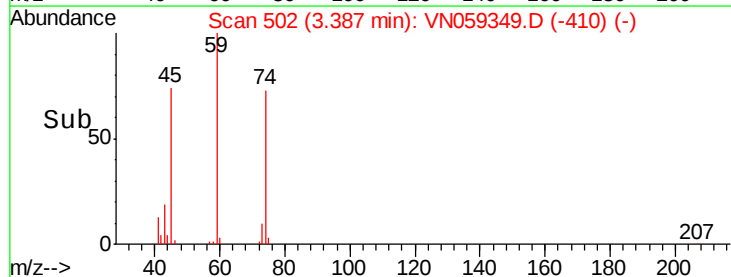
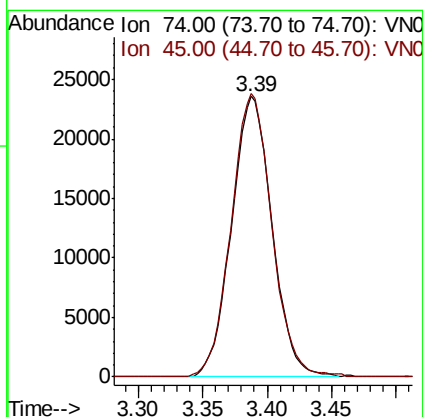
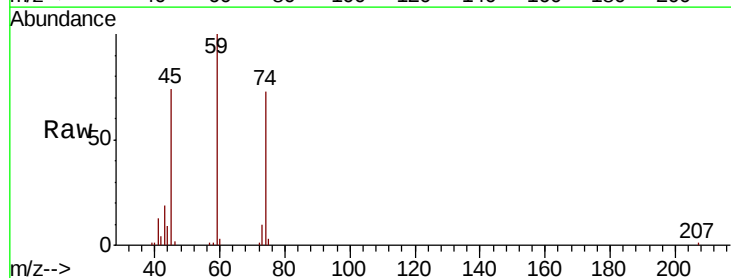
Tot Ion:101 Resp: 121205
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.5 78.7

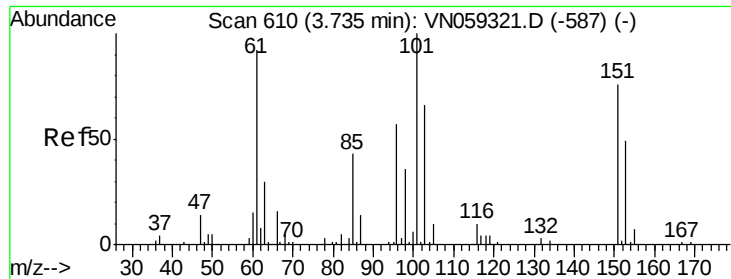


#8

Diethyl Ether
 Concen: 19.410 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 74 Resp: 51277
 Ion Ratio Lower Upper
 74 100
 45 101.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.602 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

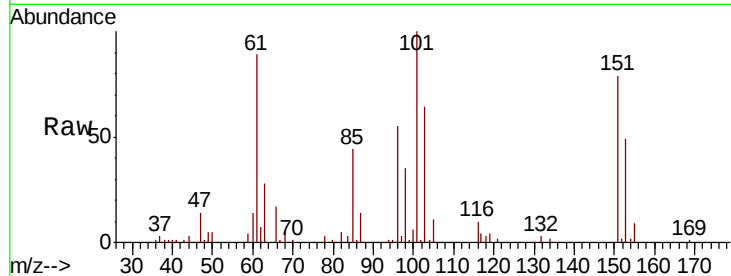
Tot Ion:101 Resp: 73503

Ion Ratio Lower Upper

101 100

85 44.9 34.8 52.2

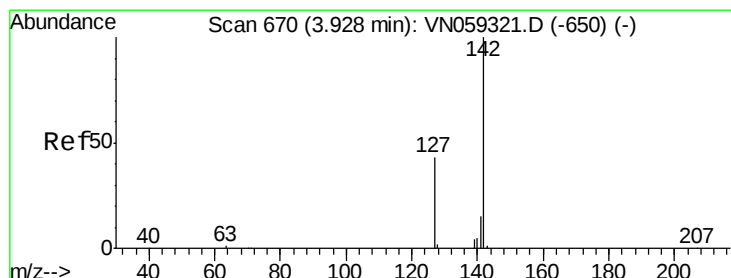
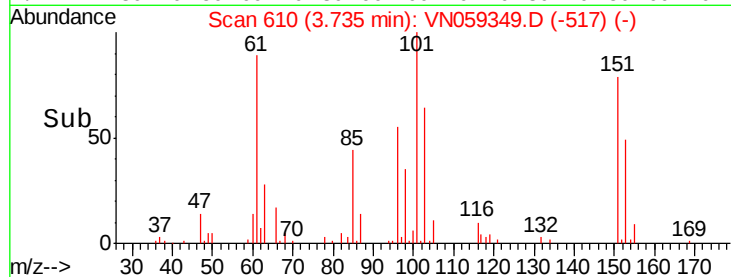
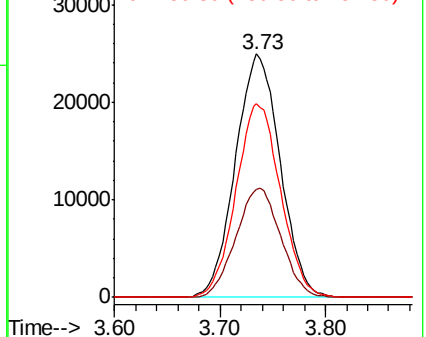
151 79.4 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.473 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

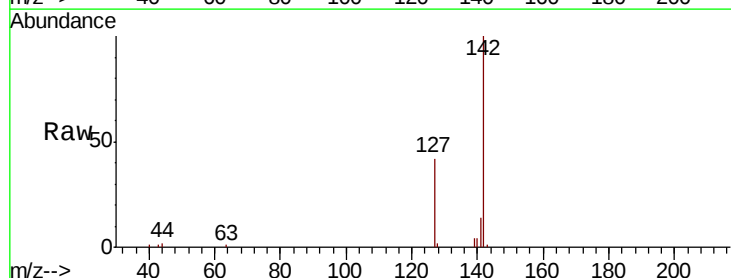
Tgt Ion:142 Resp: 95626

Ion Ratio Lower Upper

142 100

127 40.6 33.8 50.6

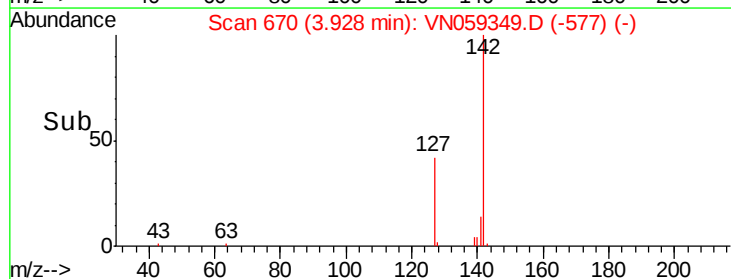
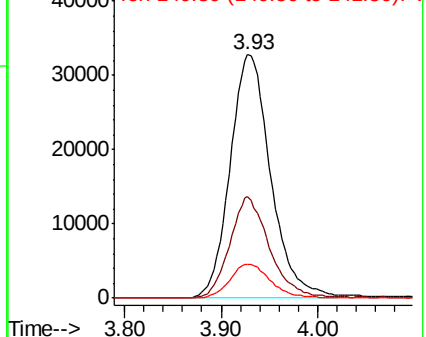
141 13.9 11.2 16.8

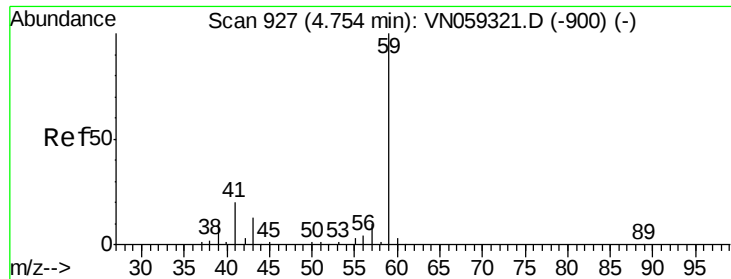


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

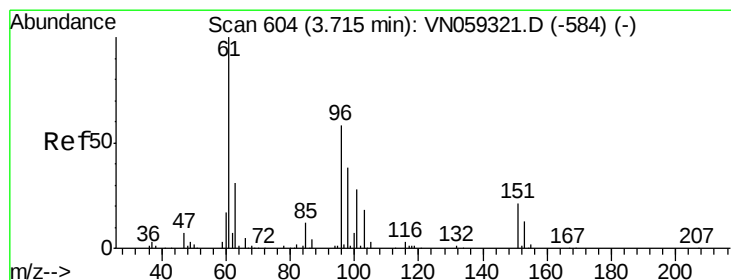
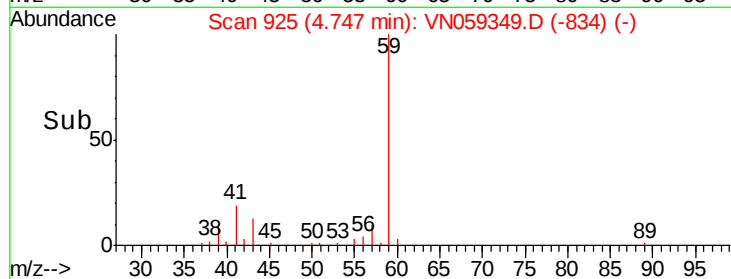
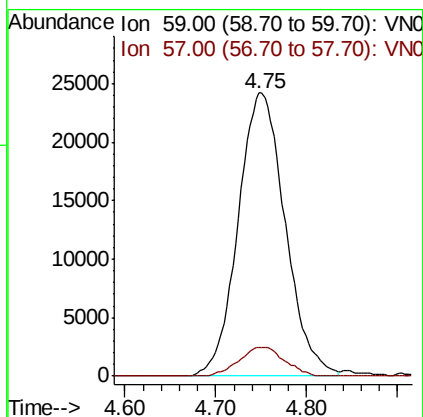
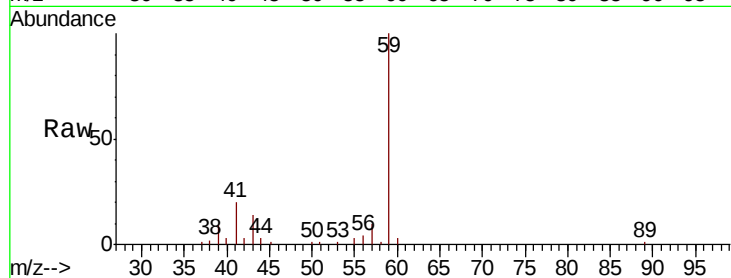




#11
Tert butyl alcohol
Concen: 97.361 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

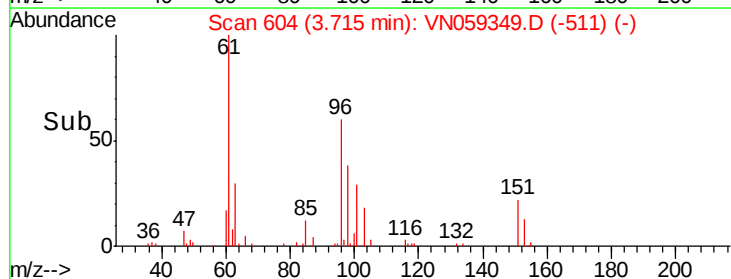
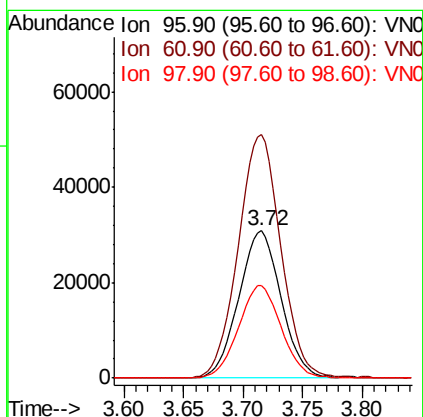
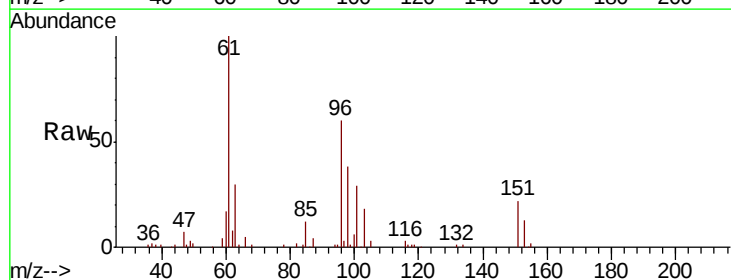
Instrument :
MSVOA_N
ClientSampled :

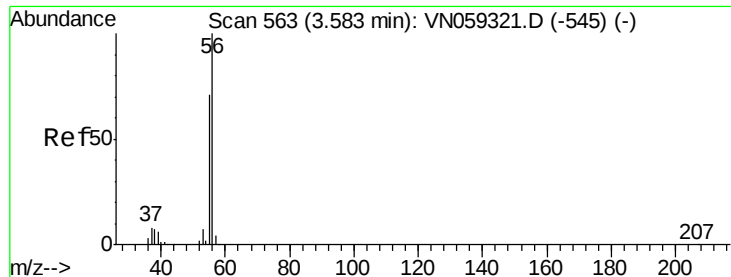
Tot Ion: 59 Resp: 86917
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.016 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 96 Resp: 76268
Ion Ratio Lower Upper
96 100
61 165.4 136.8 205.2
98 63.2 51.6 77.4





#13

Acrolein

Concen: 103.750 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

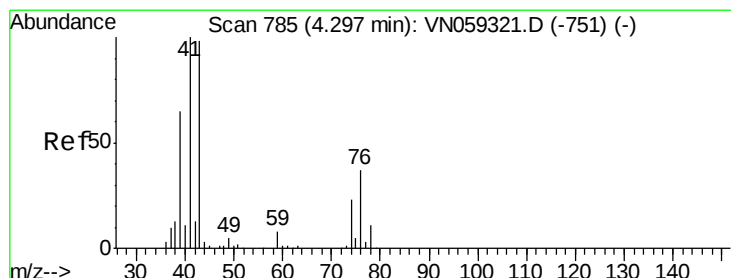
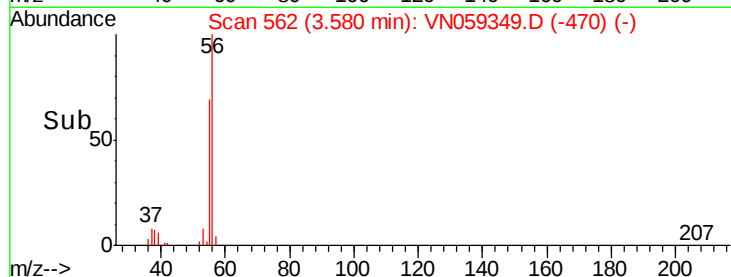
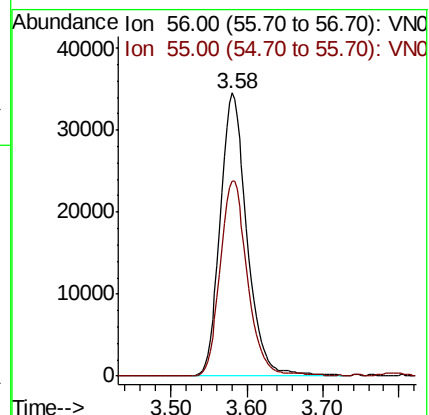
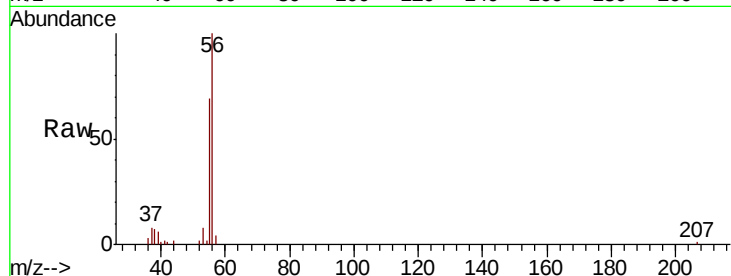
ClientSampleId :

Tot Ion: 56 Resp: 84548

Ion Ratio Lower Upper

56 100

55 69.7 57.4 86.0



#14

Allyl chloride

Concen: 19.046 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

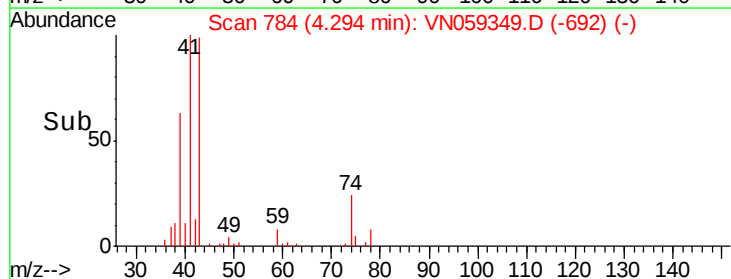
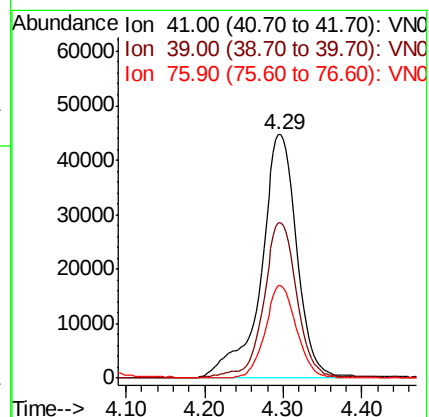
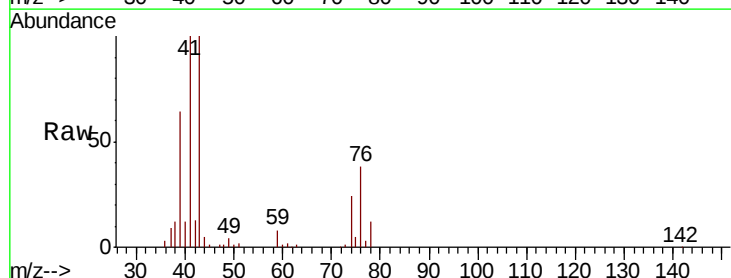
Tgt Ion: 41 Resp: 142707

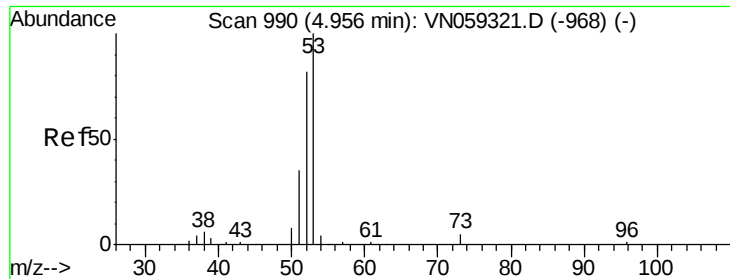
Ion Ratio Lower Upper

41 100

39 59.4 48.4 72.6

76 33.3 26.2 39.4





#15

Acrylonitrile

Concen: 98.518 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

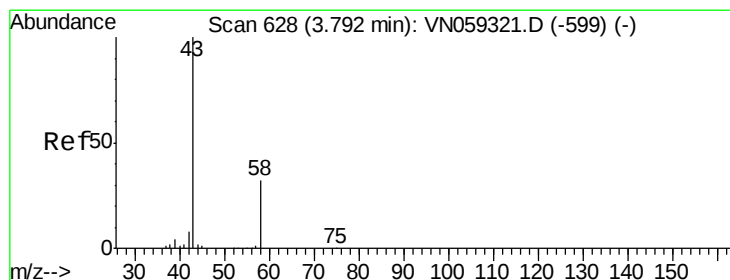
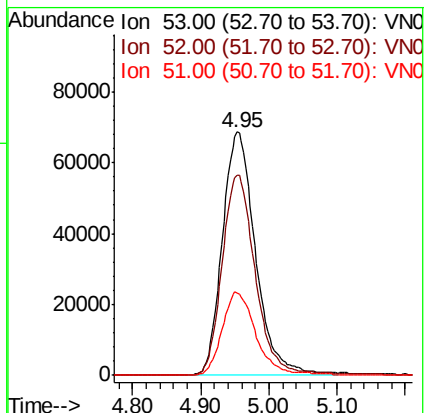
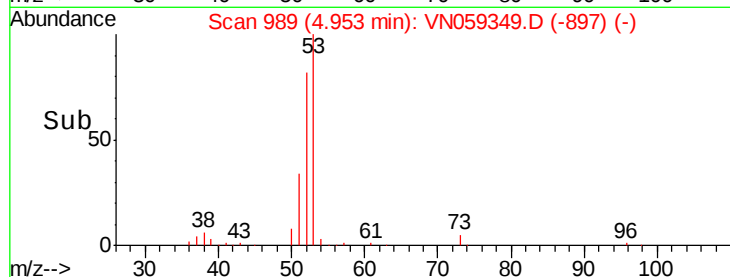
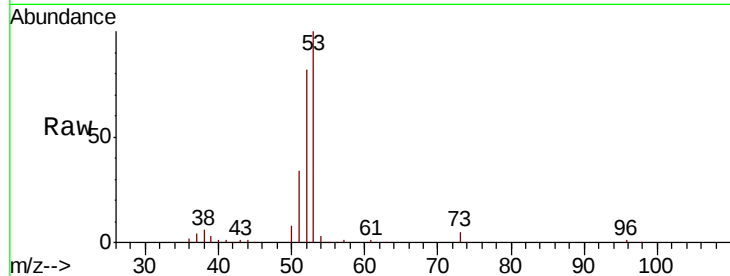
Tot Ion: 53 Resp: 232541

Ion Ratio Lower Upper

53 100

52 82.3 65.8 98.8

51 34.7 28.2 42.2



#16

Acetone

Concen: 90.147 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059349.D

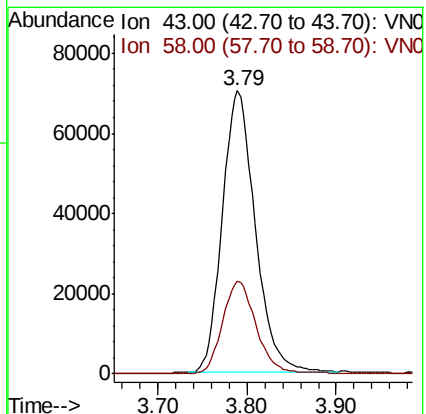
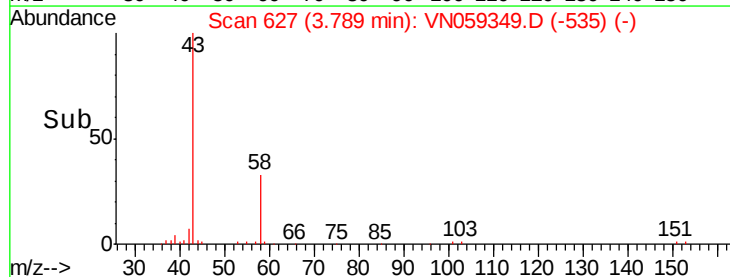
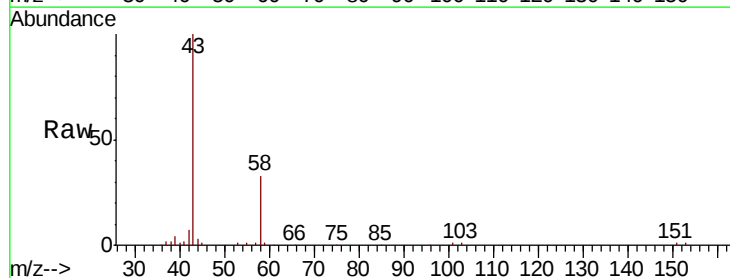
Acq: 21 Nov 2019 20:13

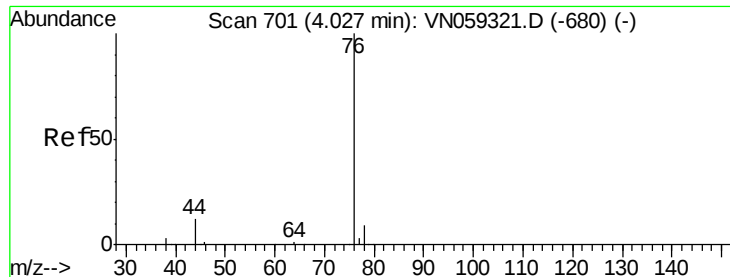
Tgt Ion: 43 Resp: 180228

Ion Ratio Lower Upper

43 100

58 32.7 25.8 38.6

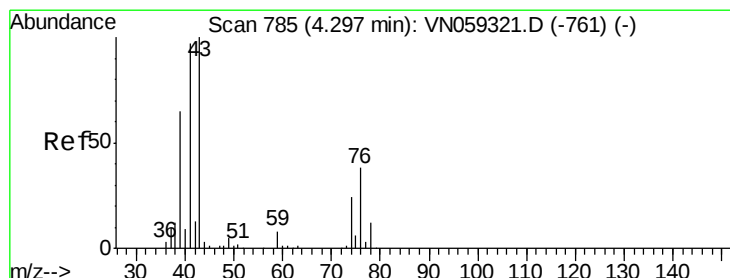
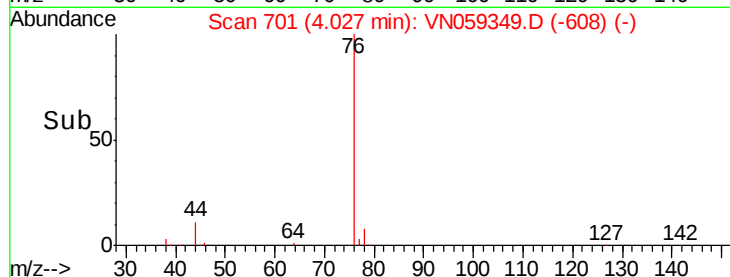
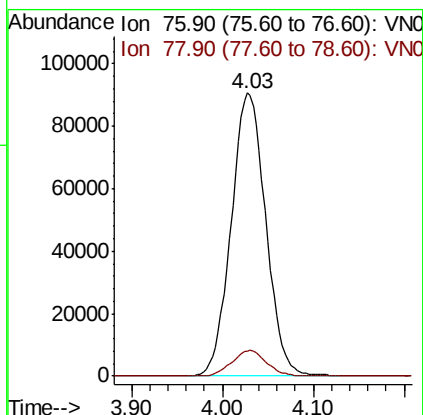
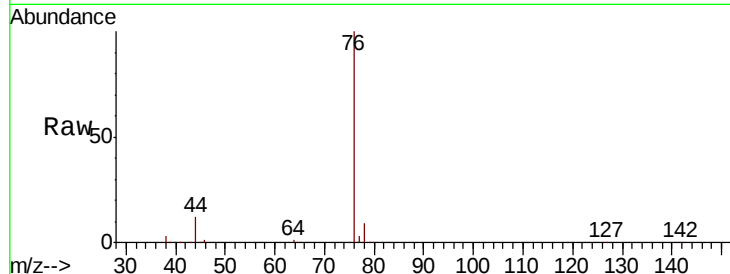




#17
Carbon Disulfide
Concen: 19.093 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

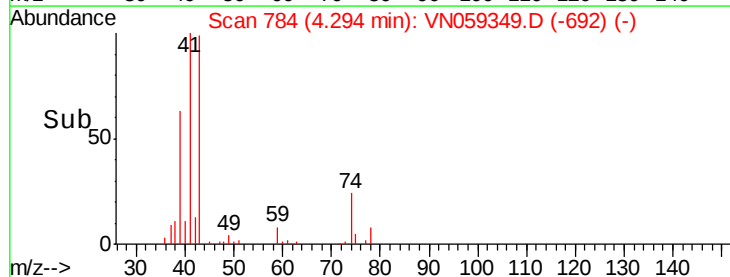
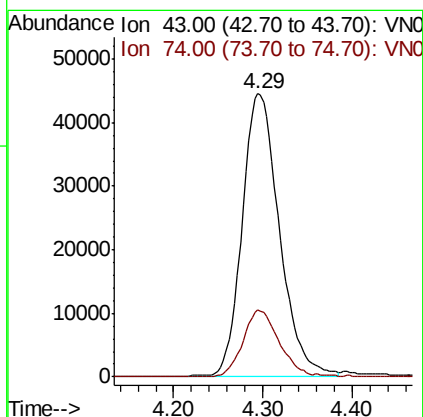
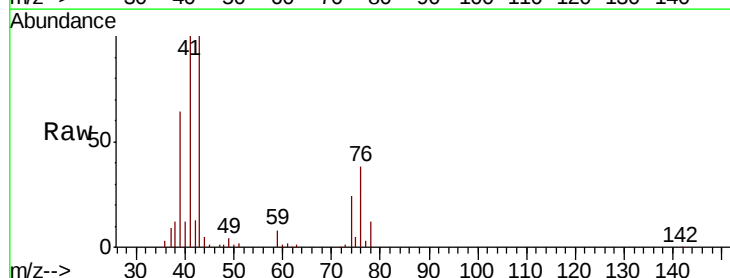
Instrument :
MSVOA_N
ClientSampled :

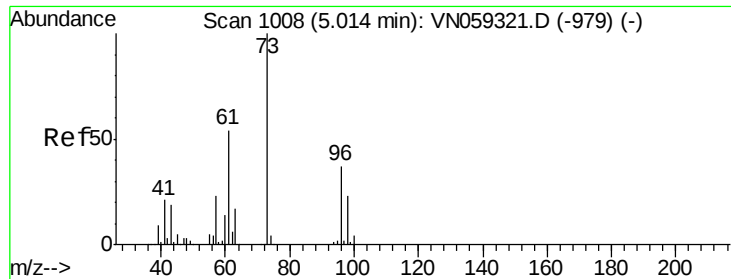
Tot Ion: 76 Resp: 238905
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 19.579 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 43 Resp: 129905
Ion Ratio Lower Upper
43 100
74 23.1 18.1 27.1

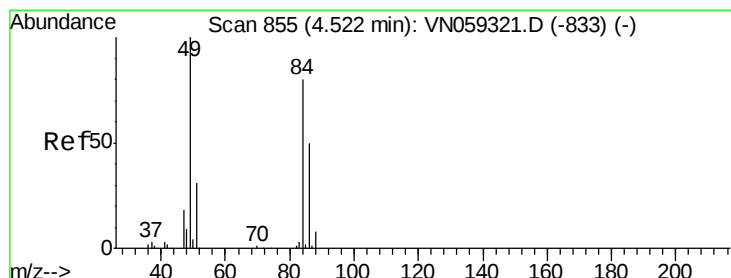
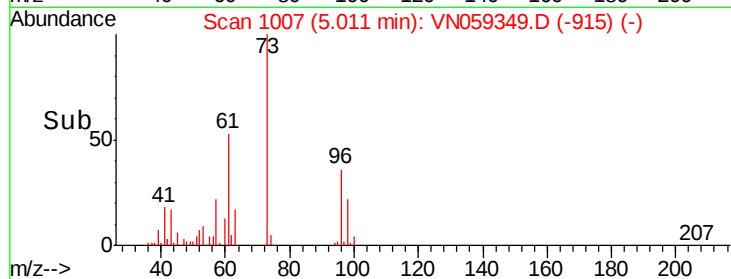
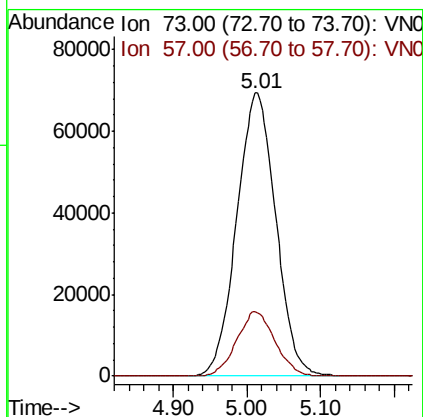
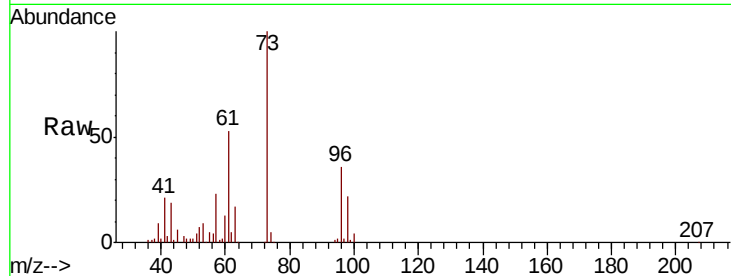




#19
Methyl tert-butyl Ether
Concen: 19.761 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

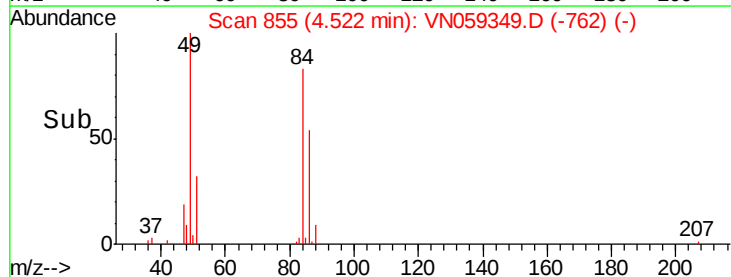
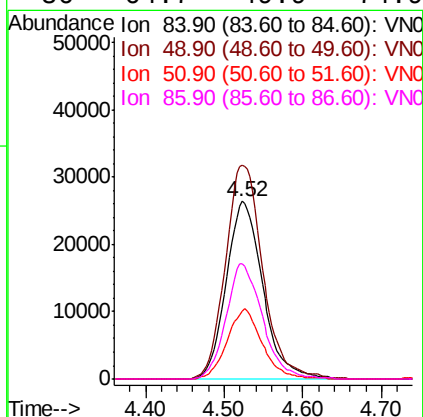
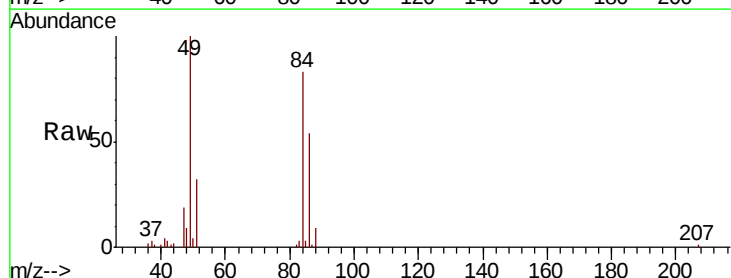
Instrument :
MSVOA_N
ClientSampleId :

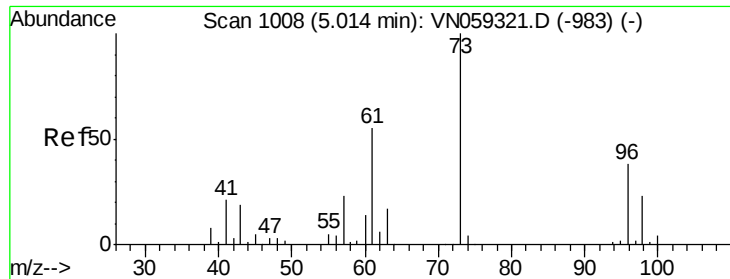
Tot Ion: 73 Resp: 255998
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 19.007 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 84 Resp: 85702
Ion Ratio Lower Upper
84 100
49 120.1 99.5 149.3
51 38.2 31.1 46.7
86 64.7 49.9 74.9

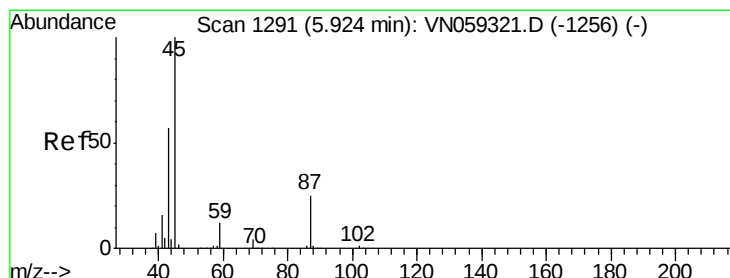
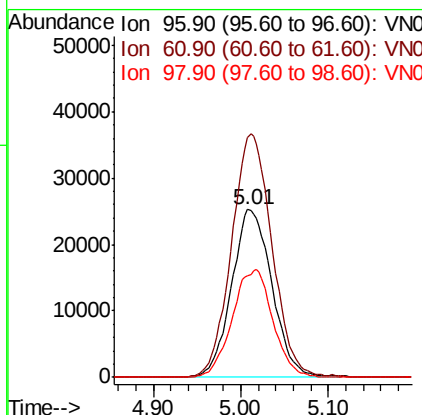
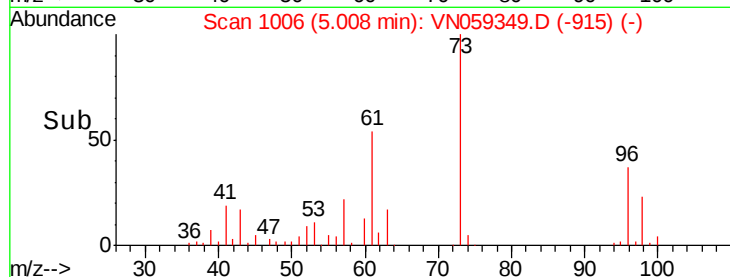
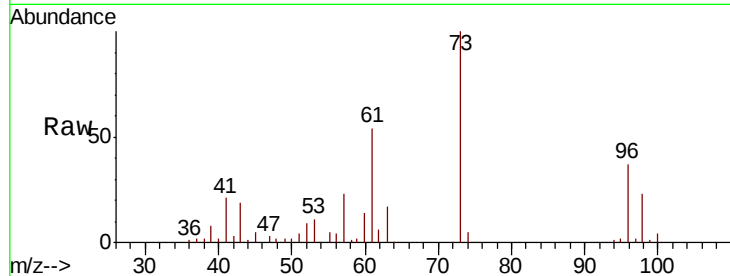




#21
trans-1,2-Dichloroethene
Concen: 19.006 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

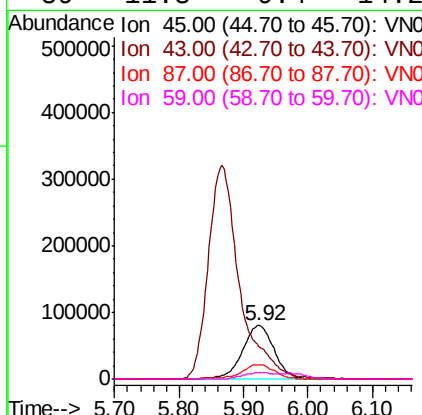
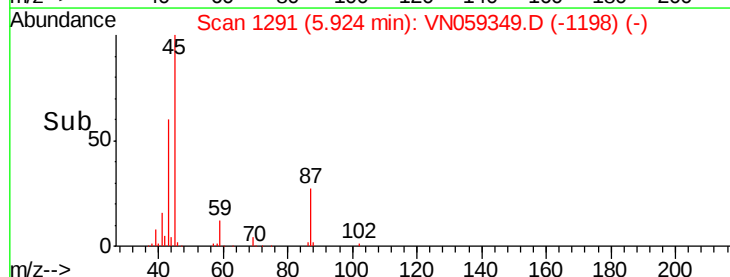
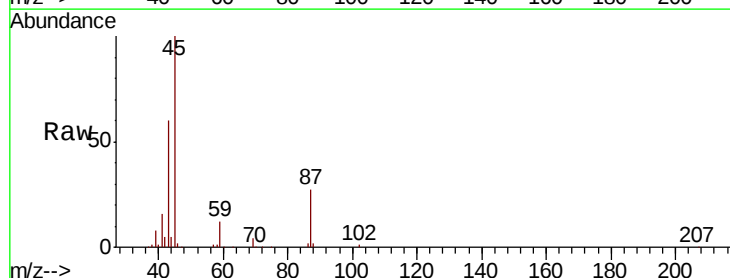
Instrument :
MSVOA_N
ClientSampled :

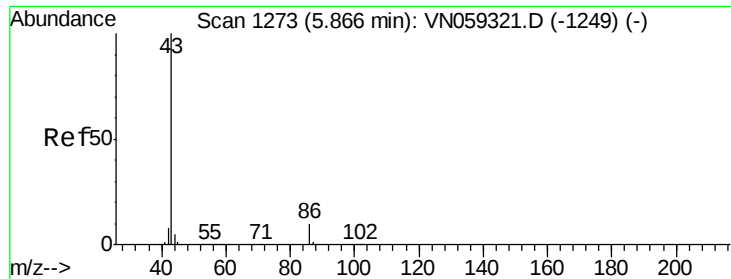
Tot Ion: 96 Resp: 80789
Ion Ratio Lower Upper
96 100
61 142.9 116.4 174.6
98 60.6 49.6 74.4



#22
Diisopropyl ether
Concen: 19.335 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 45 Resp: 272774
Ion Ratio Lower Upper
45 100
43 59.4 47.6 71.4
87 26.6 20.7 31.1
59 11.3 9.4 14.2

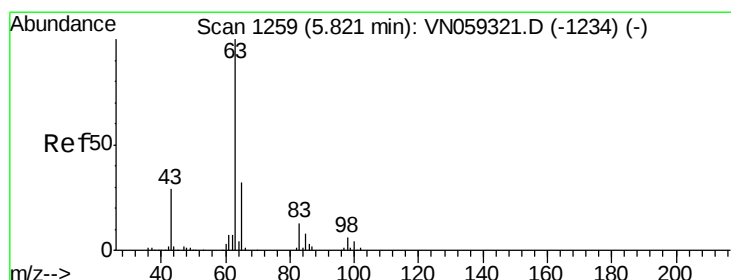
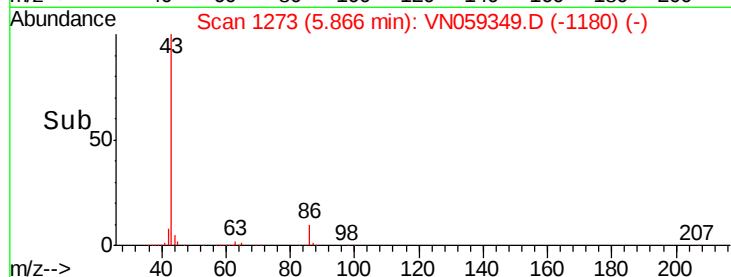
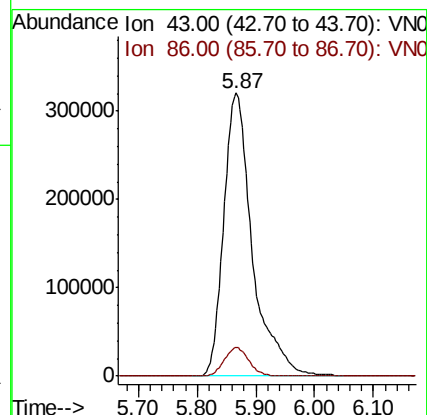
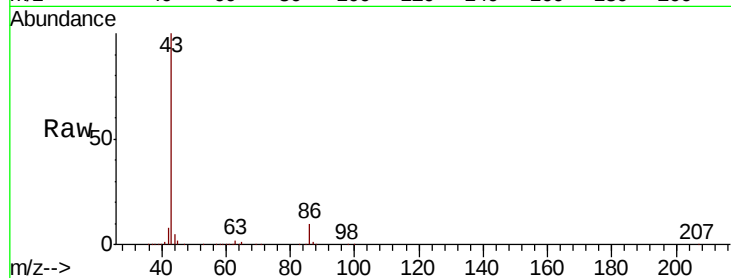




#23
 Vinyl Acetate
 Concen: 97.792 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

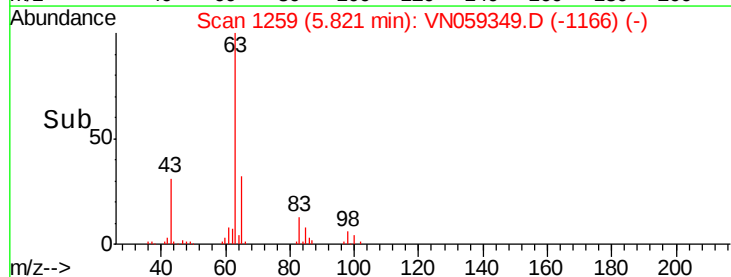
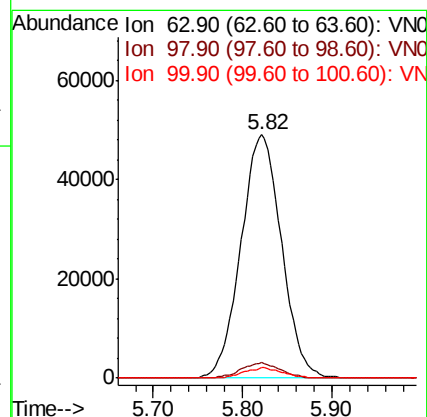
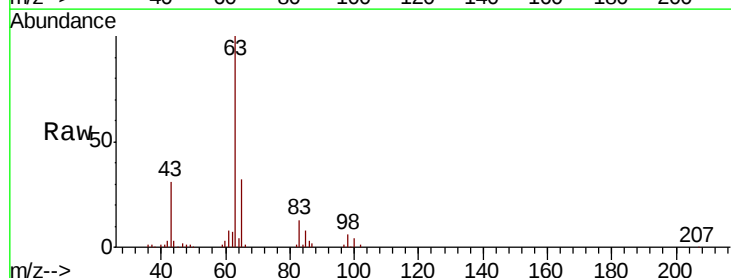
Instrument :
 MSVOA_N
 ClientSampleId :

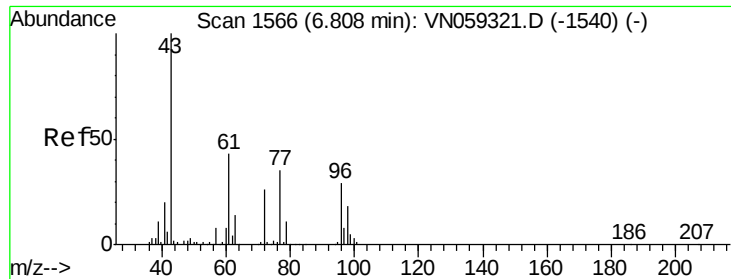
Tot Ion: 43 Resp: 1084875
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 19.529 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 63 Resp: 155078
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.2 1.9 5.7

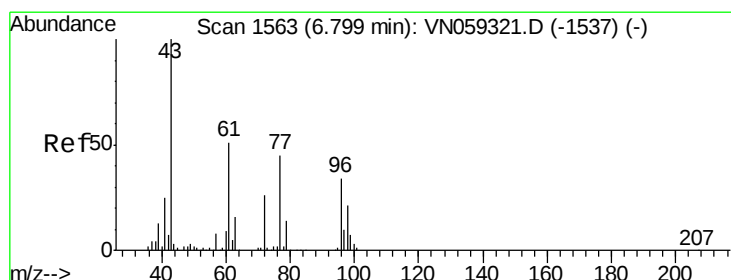
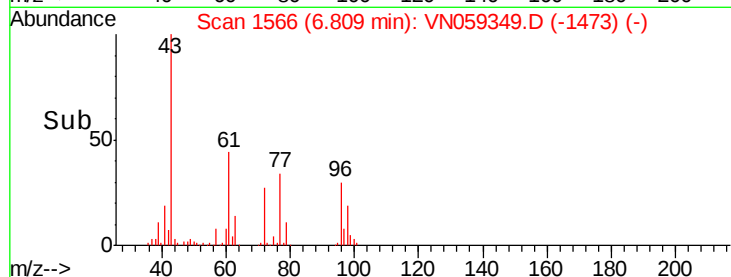
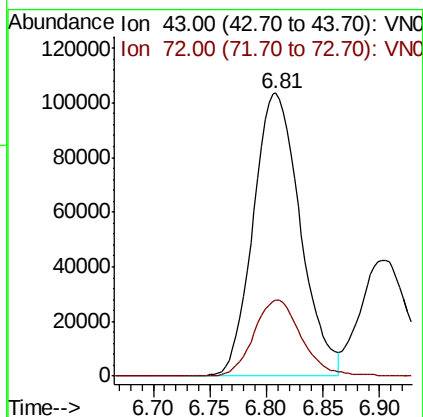
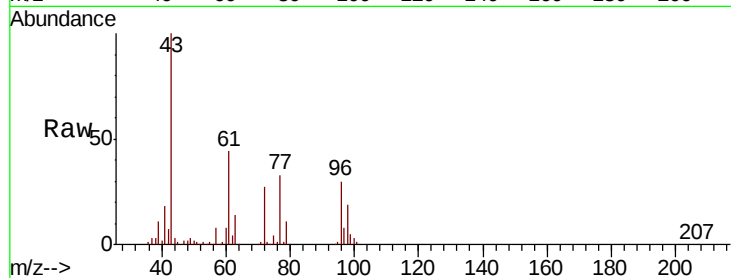




#25
 2-Butanone
 Concen: 96.135 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

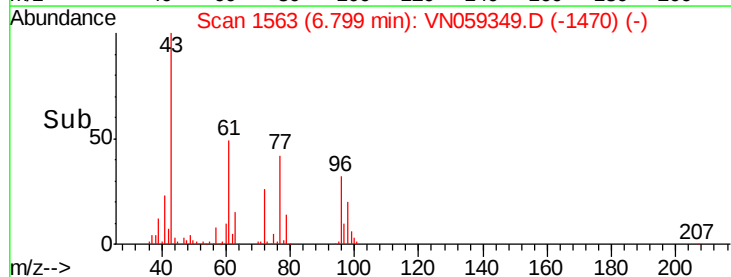
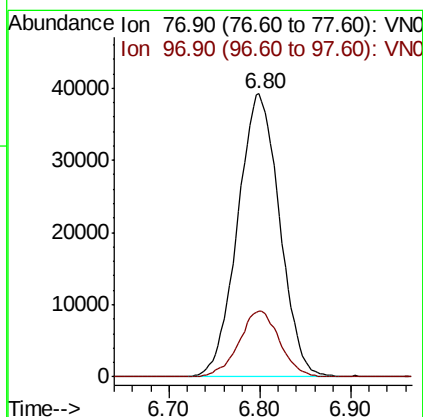
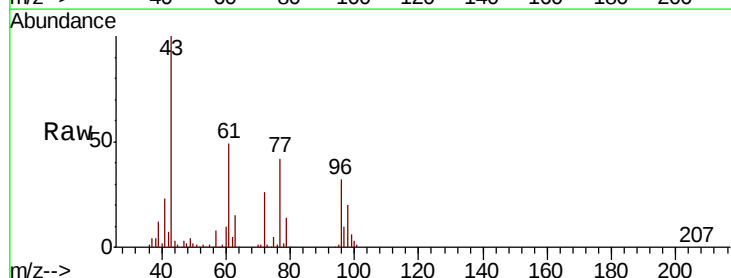
Instrument :
 MSVOA_N
 ClientSampled :

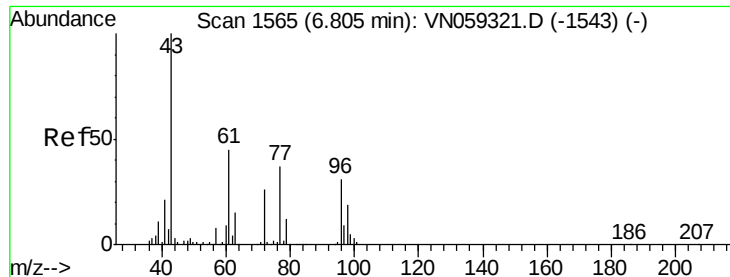
Tot Ion: 43 Resp: 298870
 Ion Ratio Lower Upper
 43 100
 72 26.9 20.5 30.7



#26
 2,2-Dichloropropane
 Concen: 18.252 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 77 Resp: 125496
 Ion Ratio Lower Upper
 77 100
 97 22.6 11.5 34.4

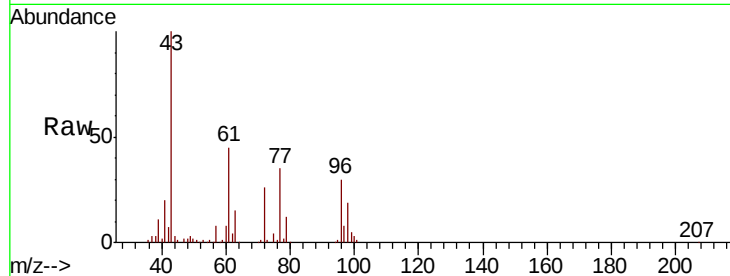




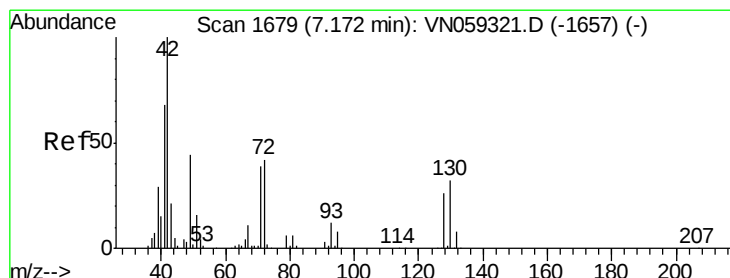
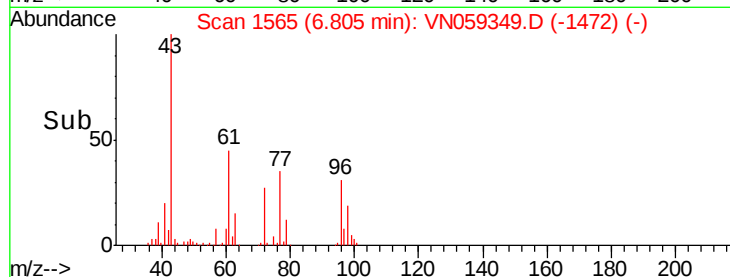
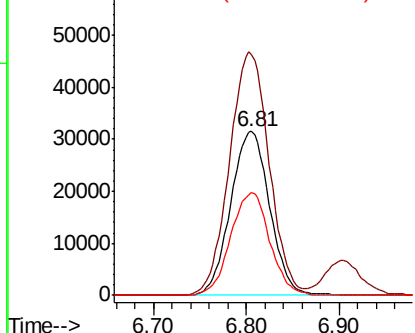
#27
 cis-1,2-Dichloroethene
 Concen: 19.207 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 92118
 Ion Ratio Lower Upper
 96 100
 61 150.5 0.0 304.0
 98 62.9 0.0 128.4

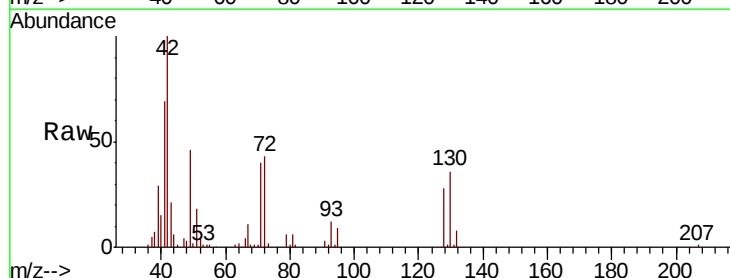


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

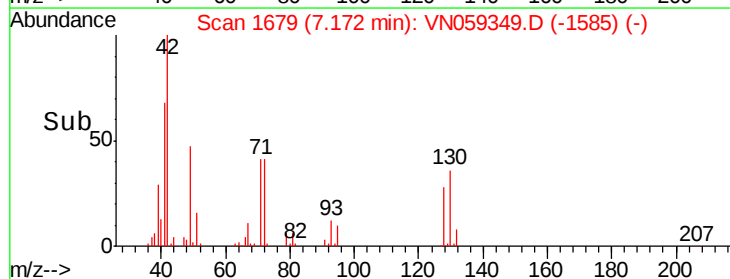
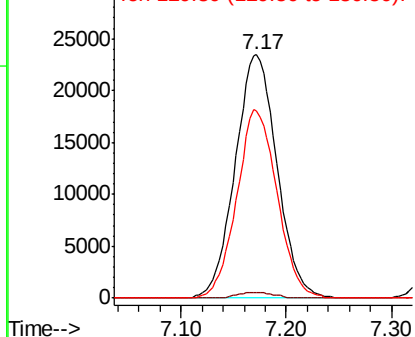


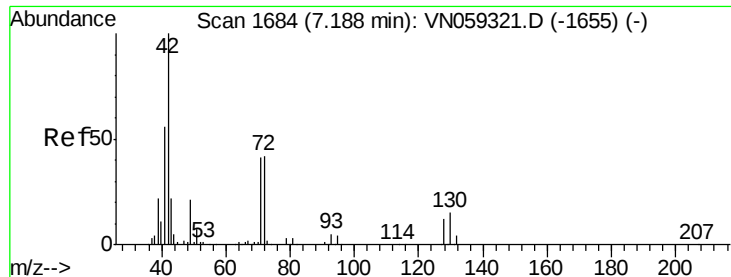
#28
 Bromochloromethane
 Concen: 21.413 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 49 Resp: 64699
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.8
 130 74.6 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

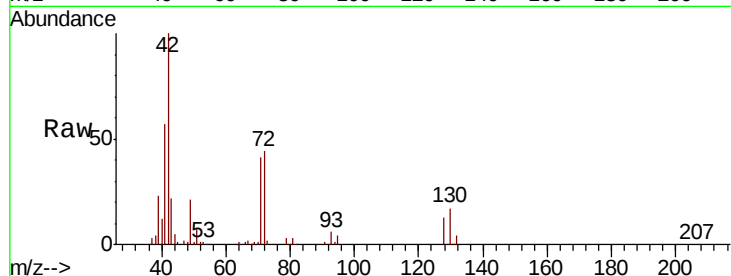




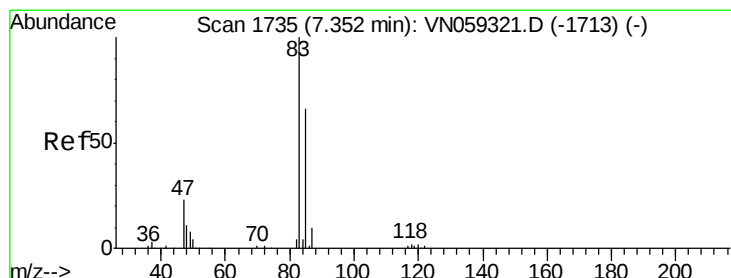
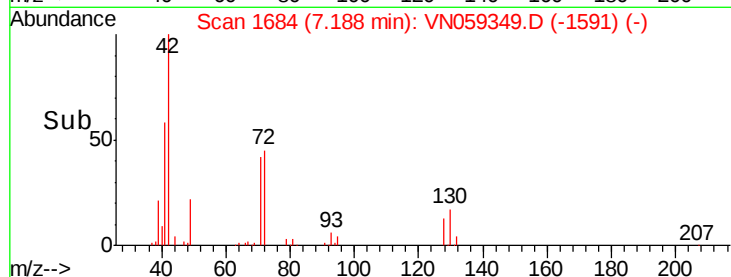
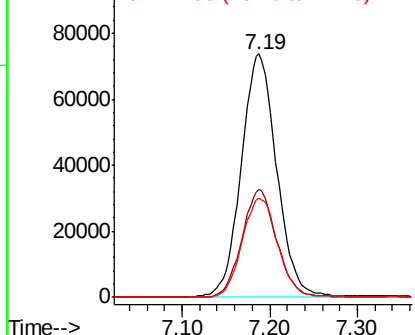
#29
Tetrahydrofuran
Concen: 95.700 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 205723
Ion Ratio Lower Upper
42 100
72 43.4 34.2 51.2
71 41.5 32.6 48.8

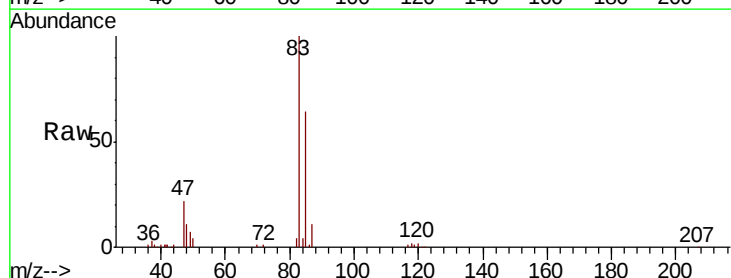


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

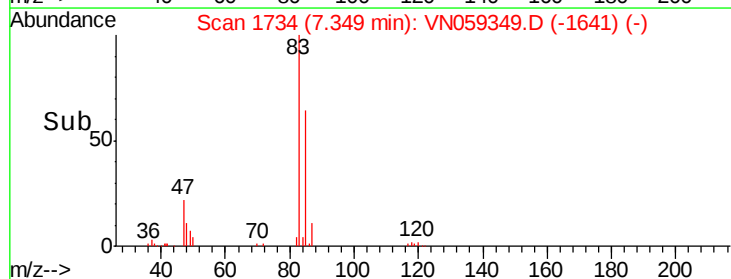
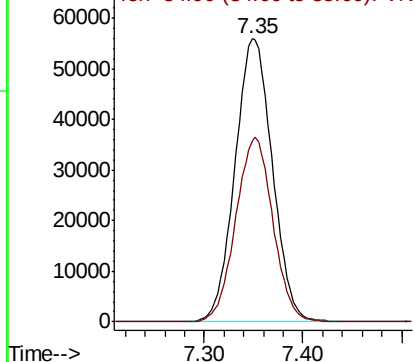


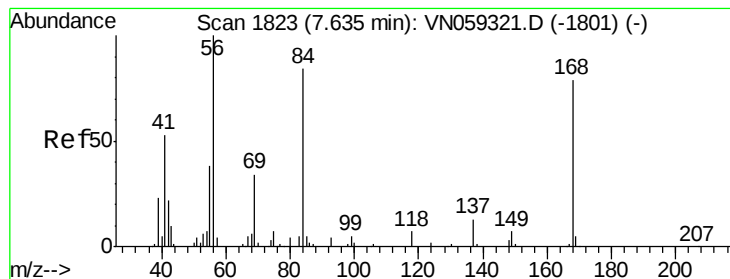
#30
Chloroform
Concen: 18.989 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 83 Resp: 146981
Ion Ratio Lower Upper
83 100
85 64.1 52.7 79.1



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





#31

Cyclohexane

Concen: 18.896 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampled :

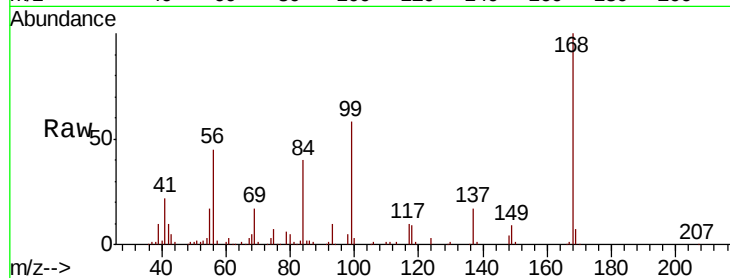
Tot Ion: 56 Resp: 148357

Ion Ratio Lower Upper

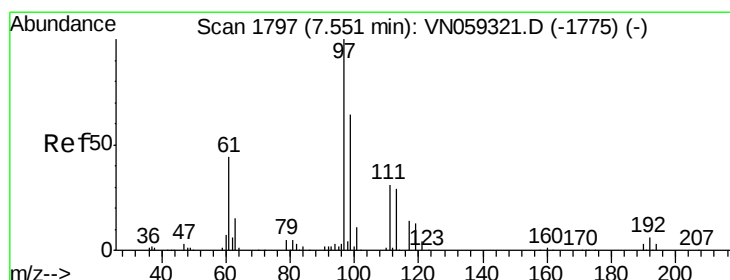
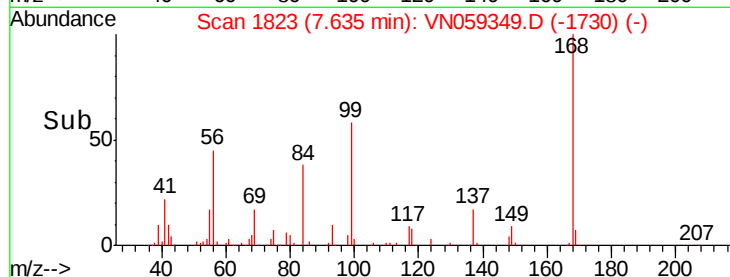
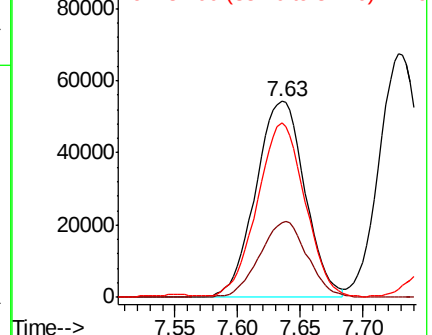
56 100

69 38.0 26.6 40.0

84 87.8 67.0 100.4



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



#32

1,1,1-Trichloroethane

Concen: 19.099 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

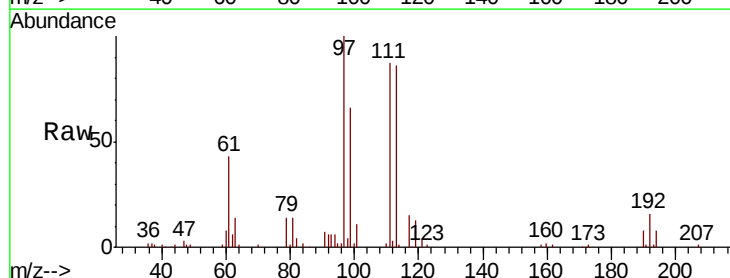
Tgt Ion: 97 Resp: 126448

Ion Ratio Lower Upper

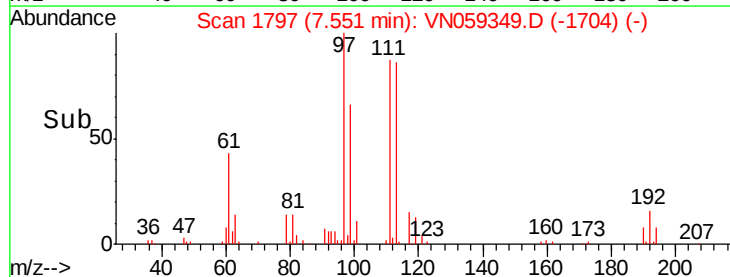
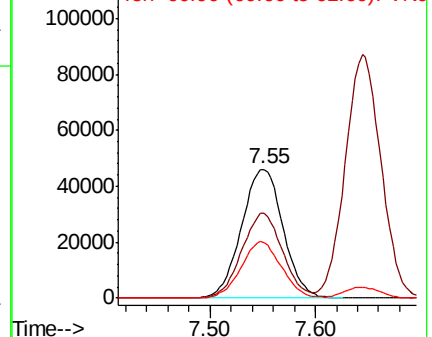
97 100

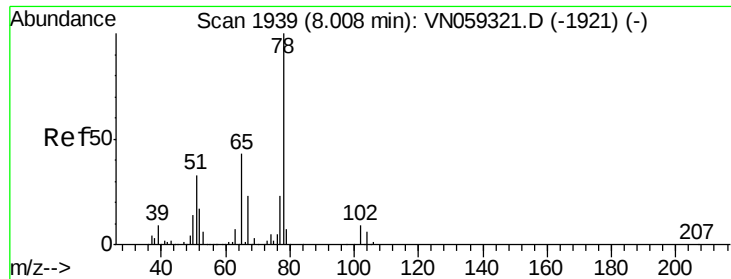
99 64.3 51.3 76.9

61 42.6 35.3 52.9



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

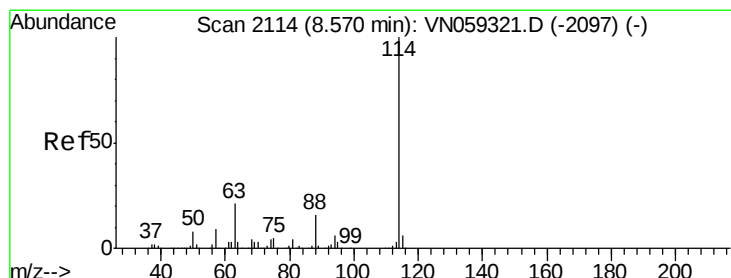
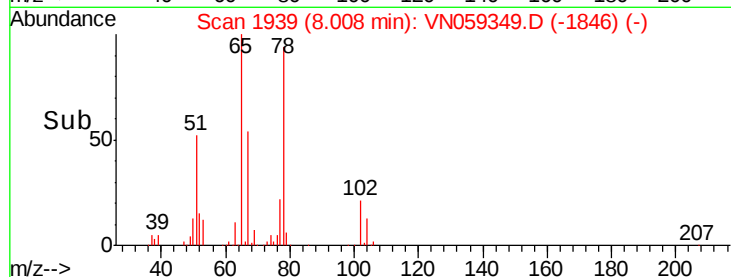
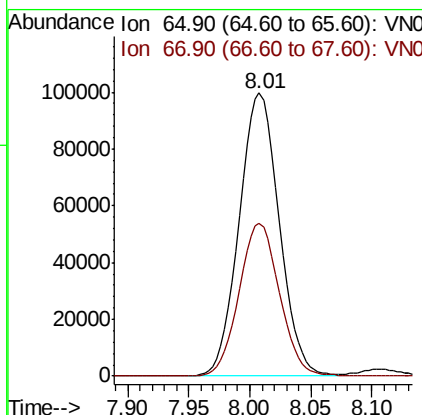
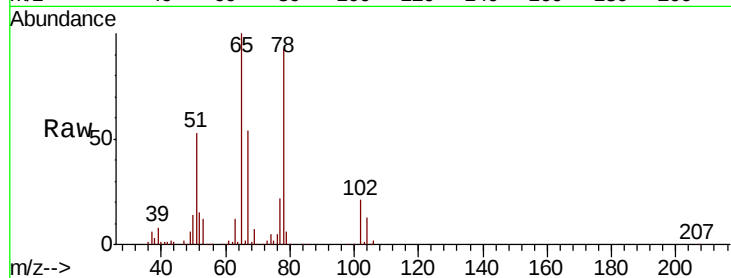




#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

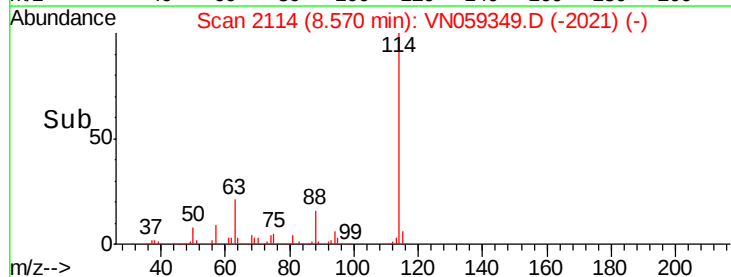
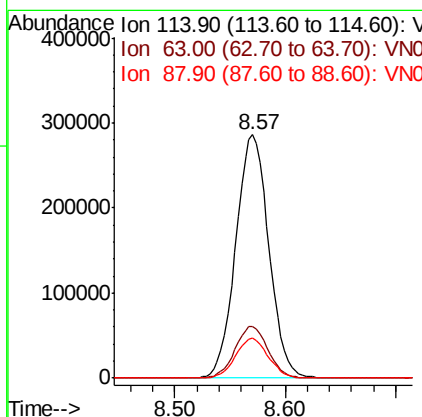
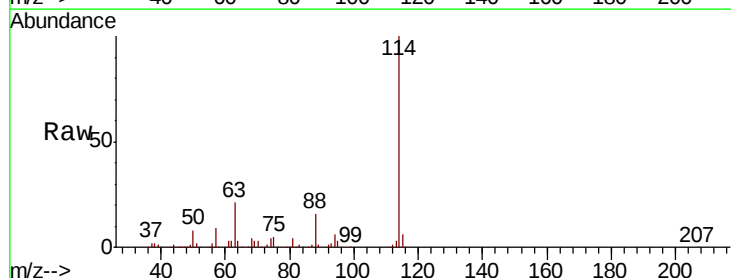
Instrument :
 MSVOA_N
 ClientSampled :

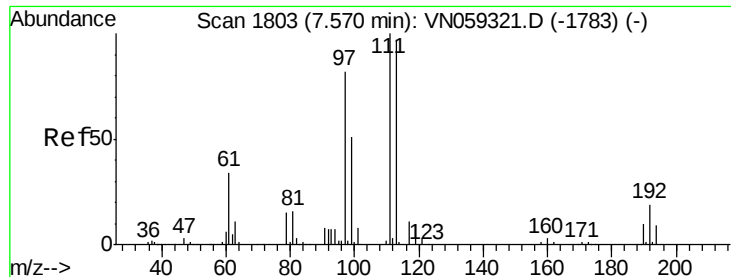
Tot Ion: 65 Resp: 226872
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 114 Resp: 593193
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 16.3 0.0 32.2

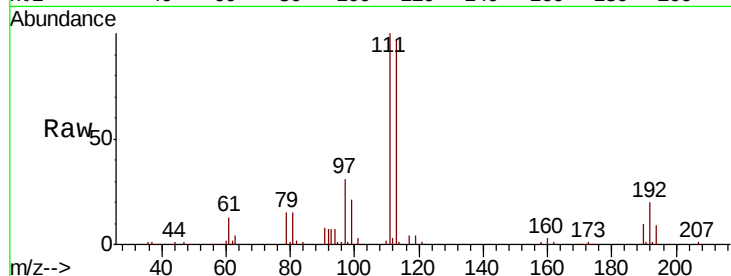




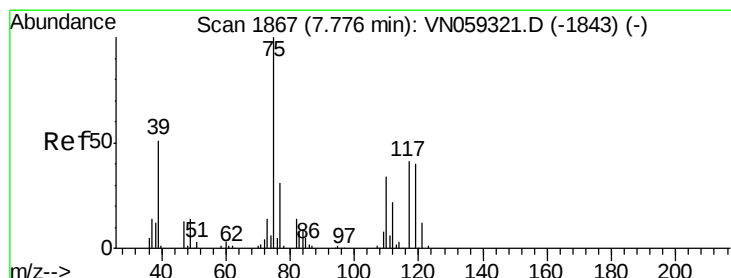
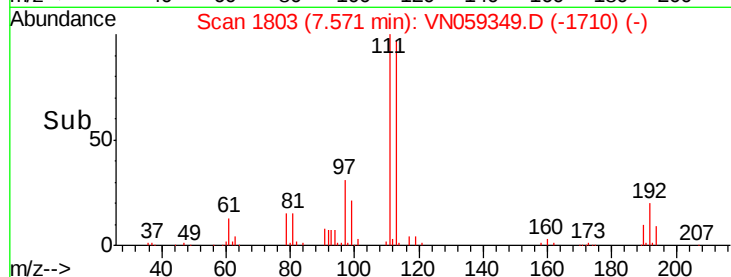
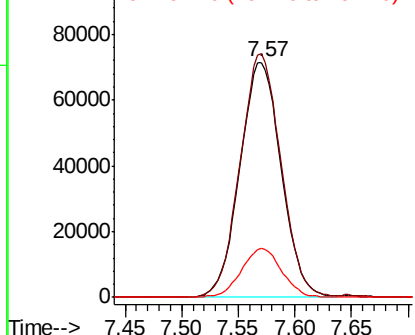
#35
 Dibromofluoromethane
 Concen: 51.001 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 181504
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.3 16.3 24.5

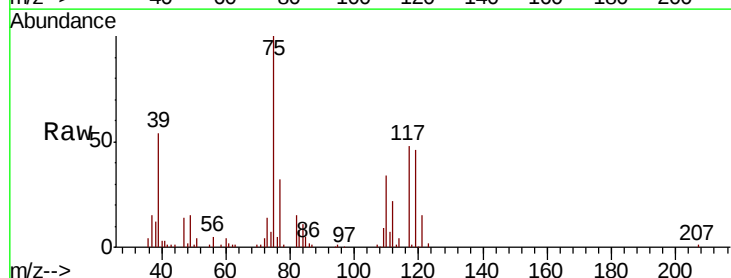


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

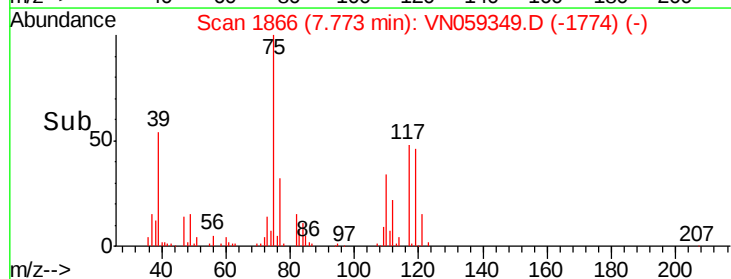
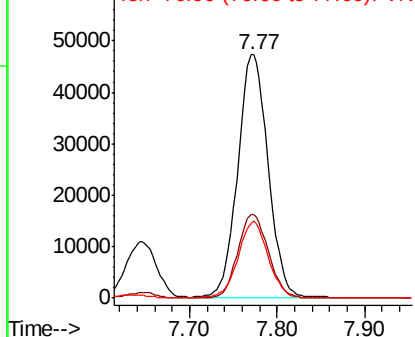


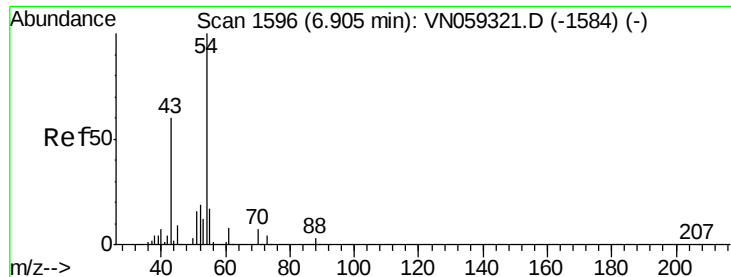
#36
 1,1-Dichloropropene
 Concen: 18.710 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 75 Resp: 114577
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.0 51.0
 77 31.3 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

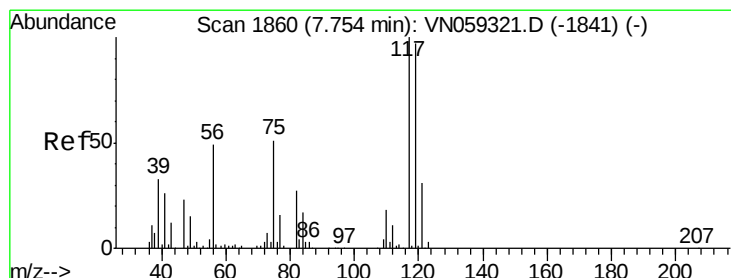
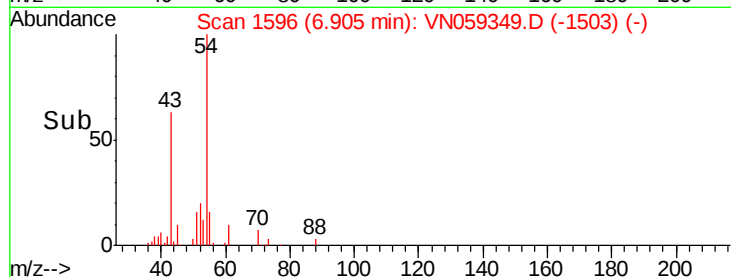
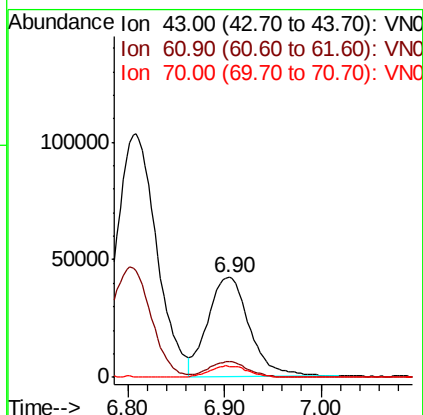
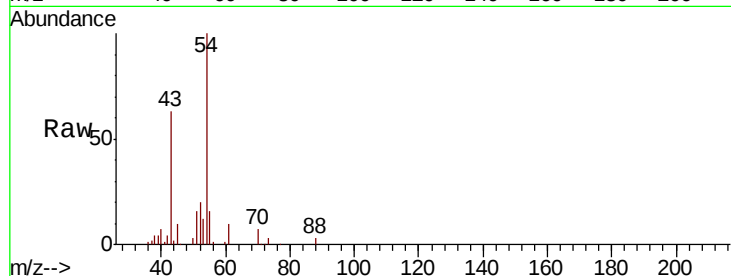




#37
Ethyl Acetate
Concen: 19.188 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

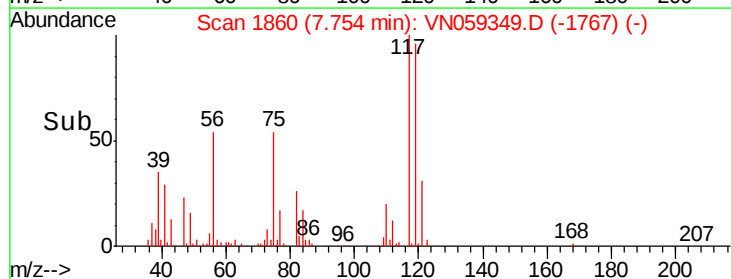
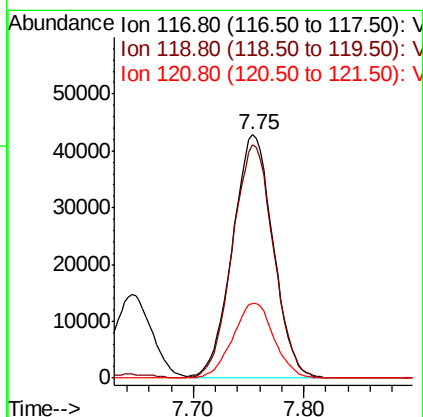
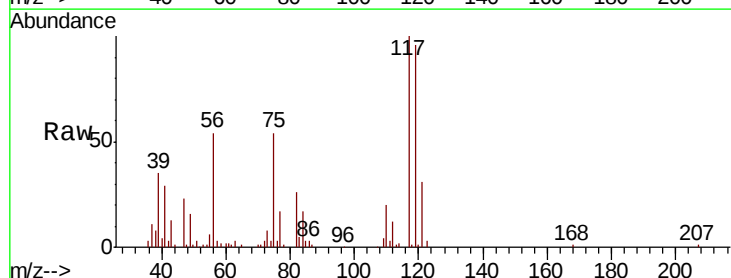
Instrument :
MSVOA_N
ClientSampleId :

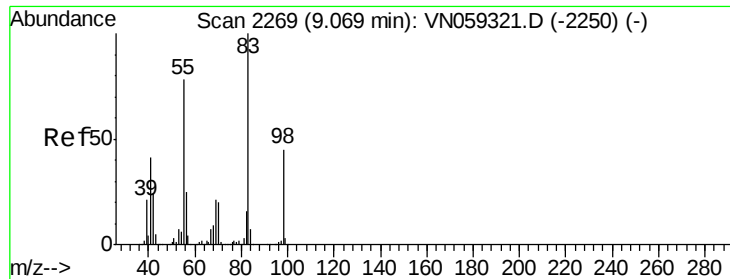
Tot Ion: 43 Resp: 126285
Ion Ratio Lower Upper
43 100
61 14.8 11.0 16.6
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 18.704 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 117 Resp: 109649
Ion Ratio Lower Upper
117 100
119 95.9 77.0 115.4
121 30.8 24.4 36.6





#39

Methylcyclohexane

Concen: 18.800 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

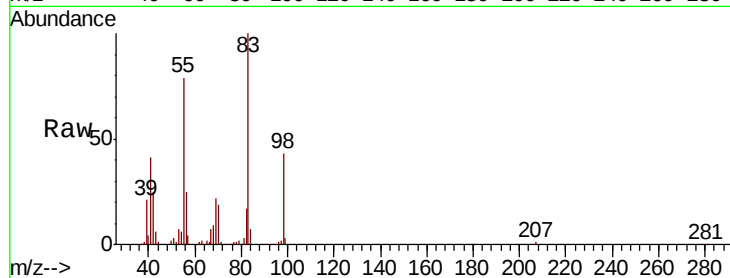
Tot Ion: 83 Resp: 138831

Ion Ratio Lower Upper

83 100

55 78.9 62.3 93.5

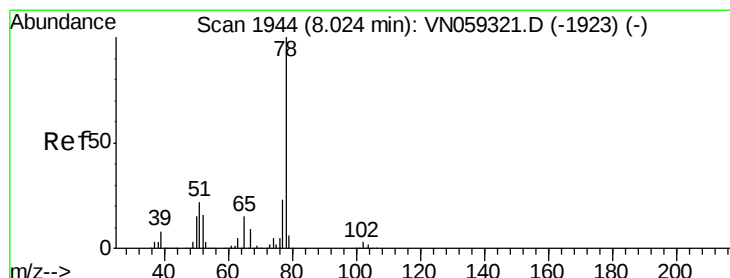
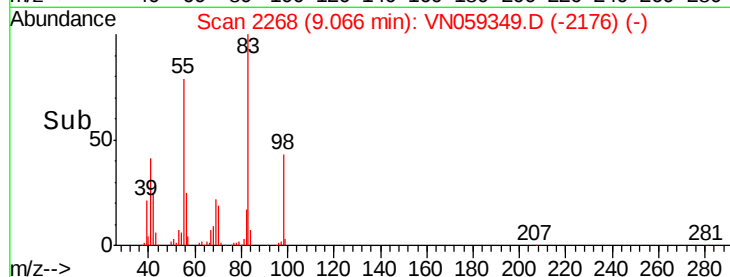
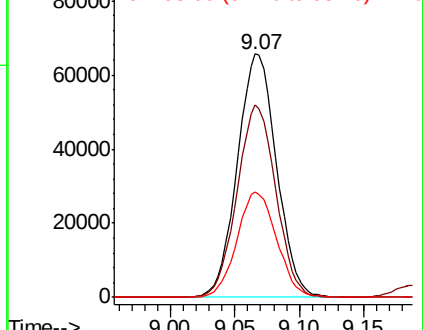
98 43.3 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.262 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059349.D

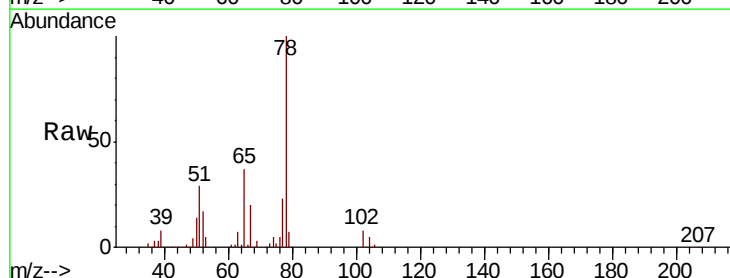
Acq: 21 Nov 2019 20:13

Tgt Ion: 78 Resp: 346211

Ion Ratio Lower Upper

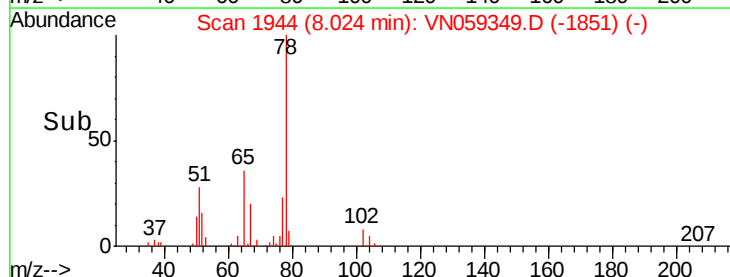
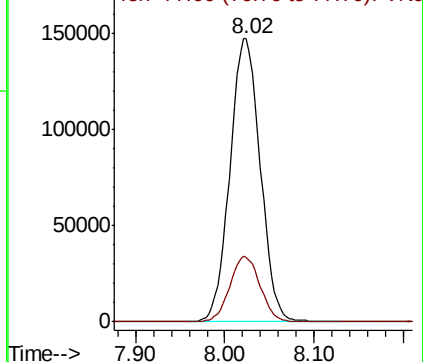
78 100

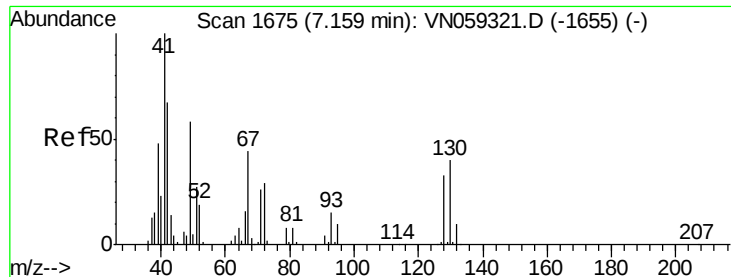
77 22.9 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

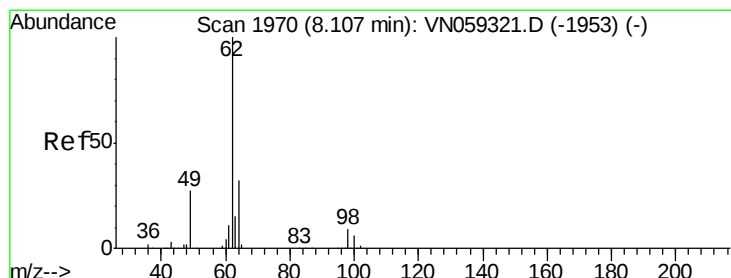
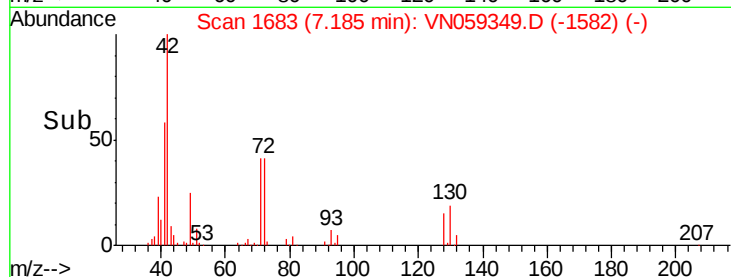
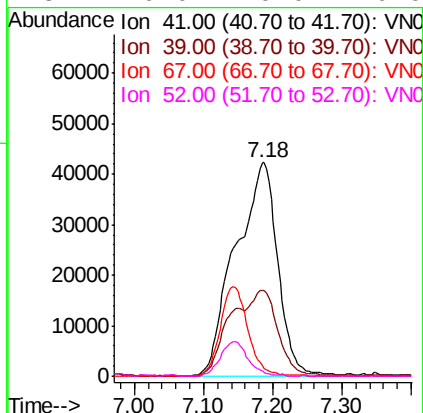
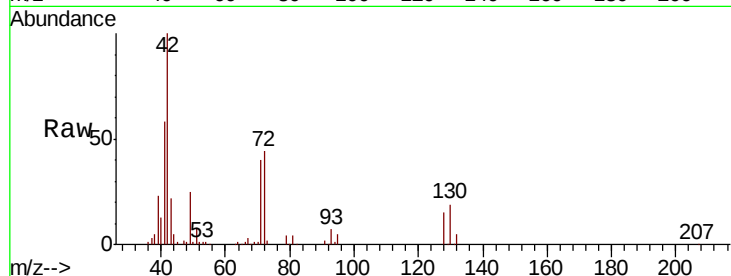




#41
Methacrylonitrile
Concen: 61.196 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

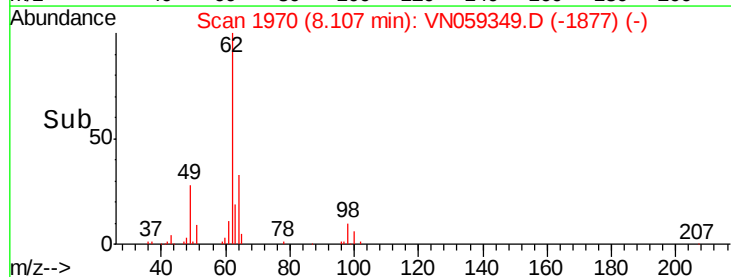
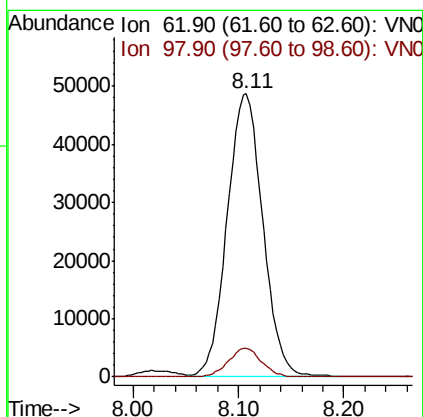
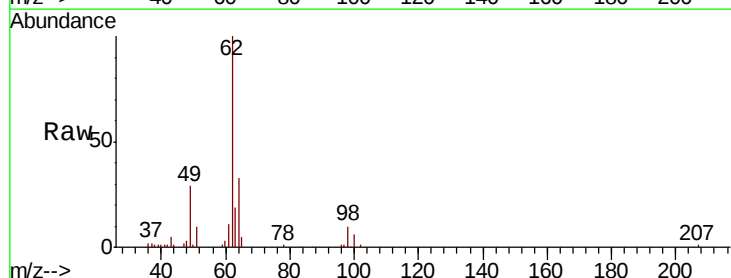
Instrument :
MSVOA_N
ClientSampled :

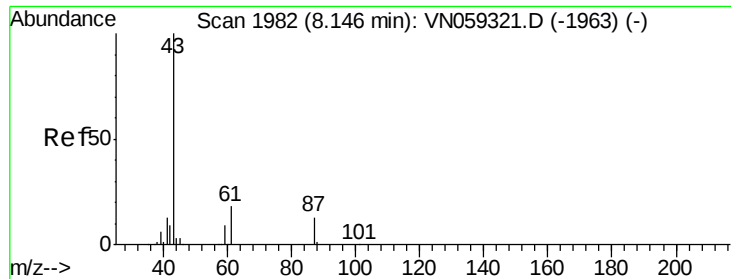
Tot Ion:	41	Resp:	178793
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.236 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion:	62	Resp:	114344
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6

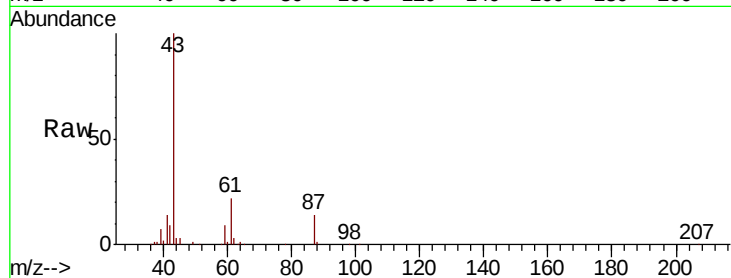




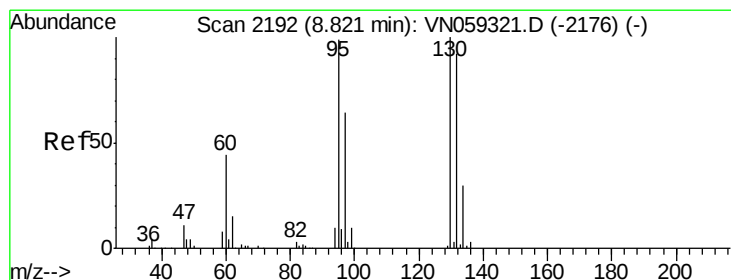
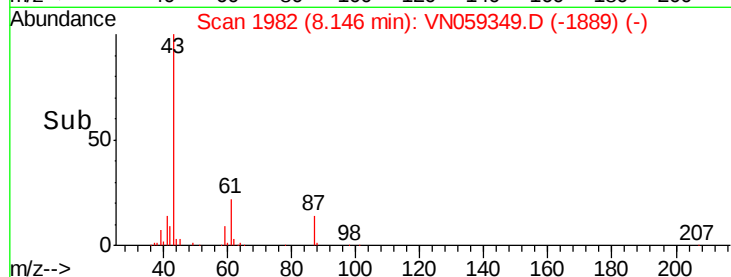
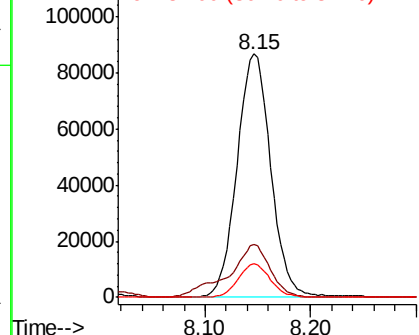
#43
Isopropyl Acetate
Concen: 19.038 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 191493
Ion Ratio Lower Upper
43 100
61 27.2 21.7 32.5
87 13.3 10.2 15.4

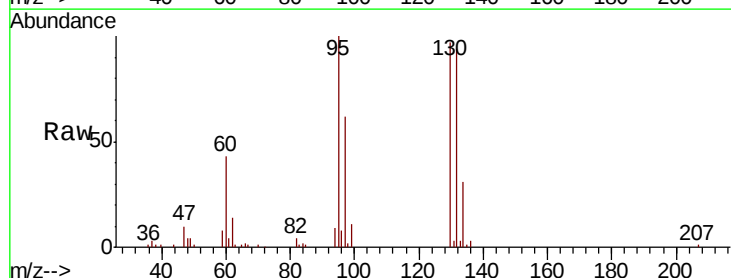


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

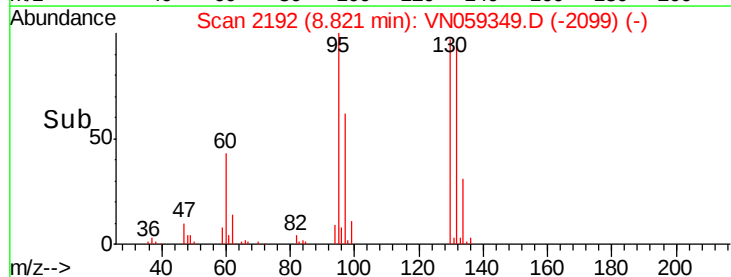
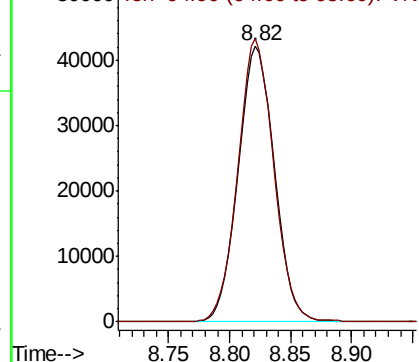


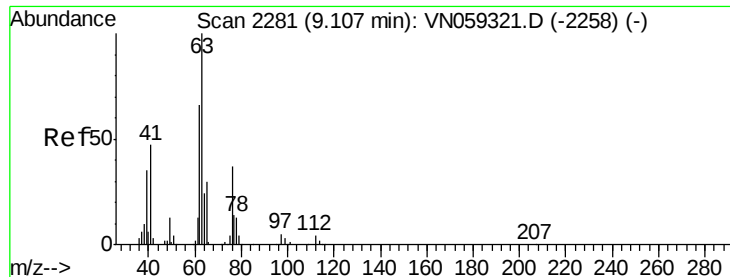
#44
Trichloroethene
Concen: 19.058 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion:130 Resp: 86810
Ion Ratio Lower Upper
130 100
95 102.6 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

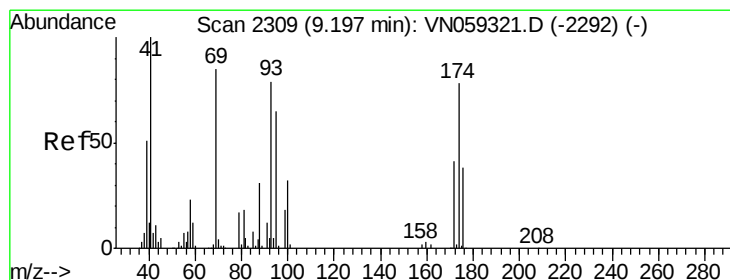
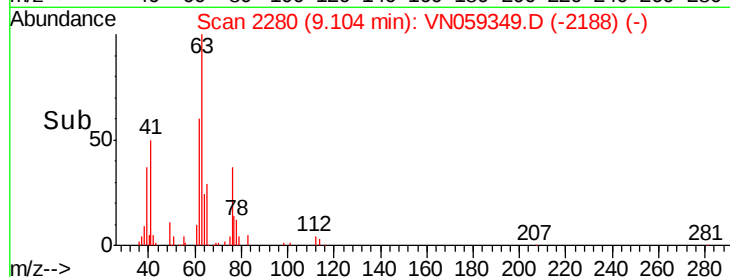
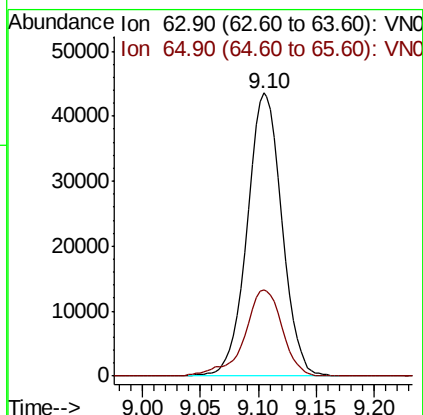
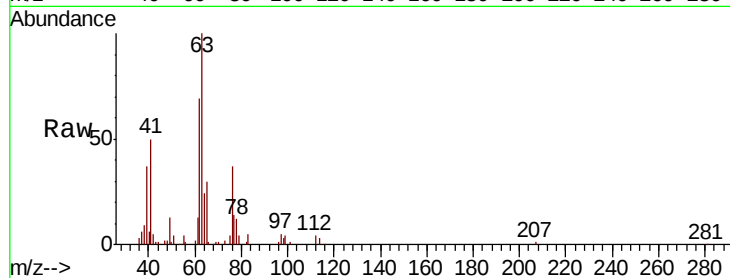




#45
 1,2-Dichloropropane
 Concen: 19.010 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

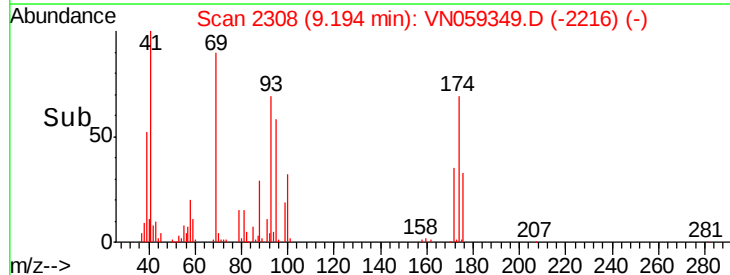
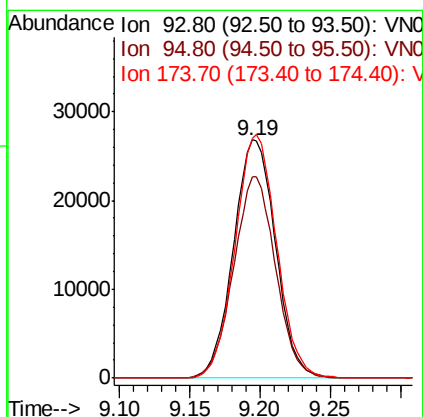
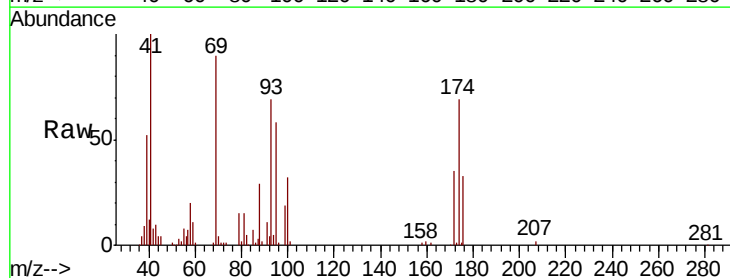
Instrument :
 MSVOA_N
 ClientSampleId :

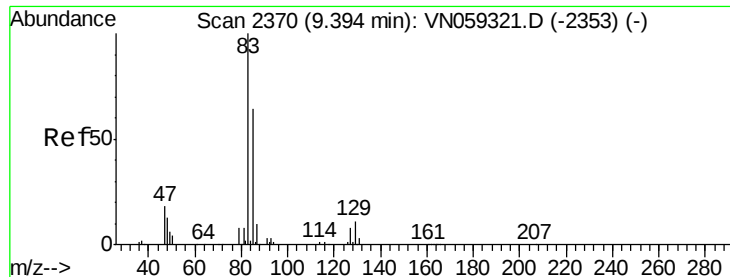
Tot Ion: 63 Resp: 91111
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9



#46
 Dibromomethane
 Concen: 19.114 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 93 Resp: 56192
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.9 100.3
 174 100.7 80.6 120.8





#47

Bromodichloromethane

Concen: 18.869 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

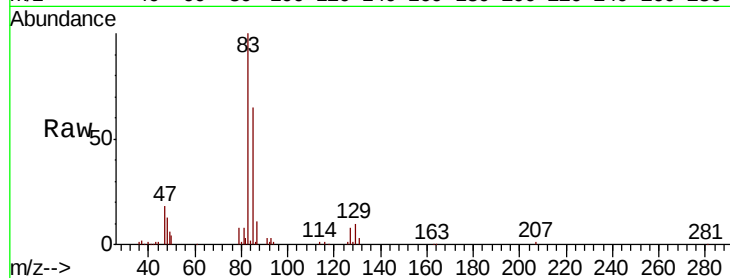
Tot Ion: 83 Resp: 111092

Ion Ratio Lower Upper

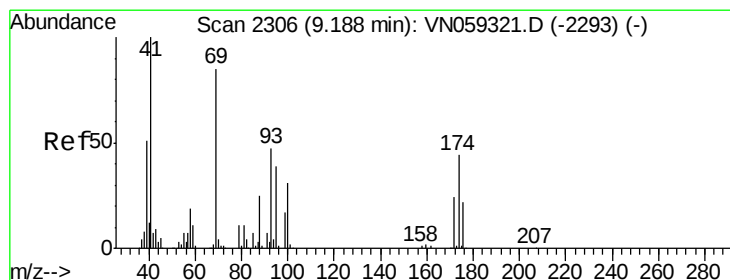
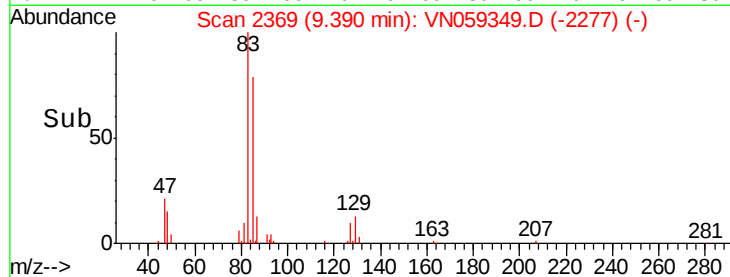
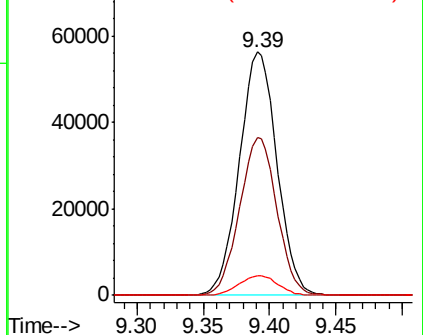
83 100

85 64.7 51.5 77.3

127 8.2 6.6 10.0



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



#48

Methyl methacrylate

Concen: 18.533 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

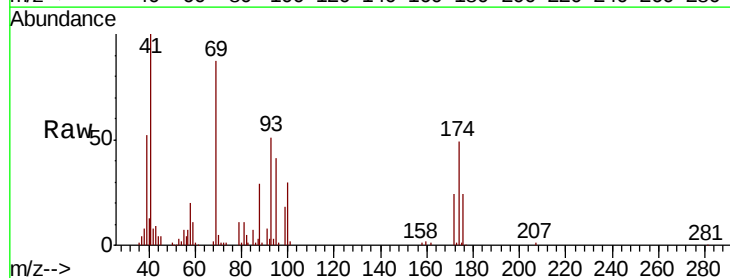
Tgt Ion: 41 Resp: 84769

Ion Ratio Lower Upper

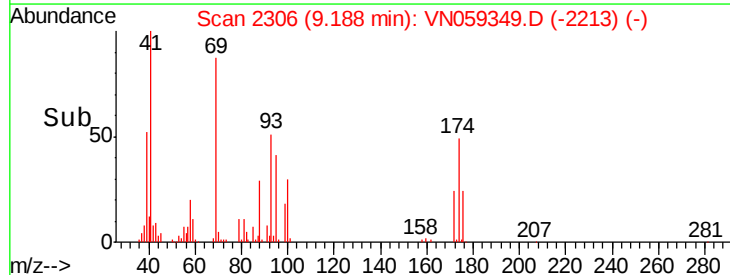
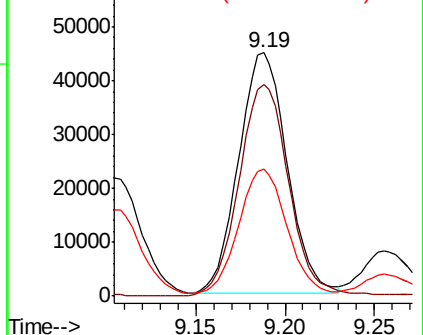
41 100

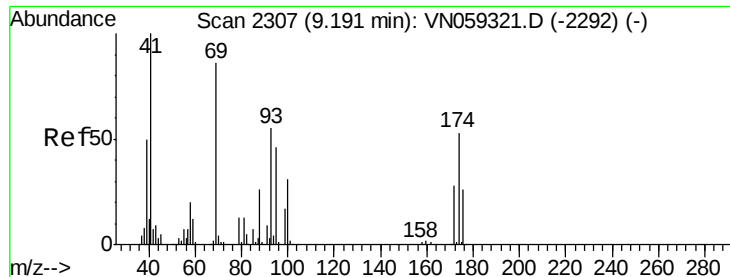
69 90.8 68.8 103.2

39 53.1 42.1 63.1



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

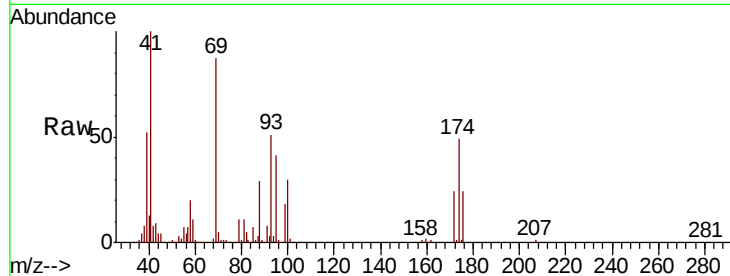




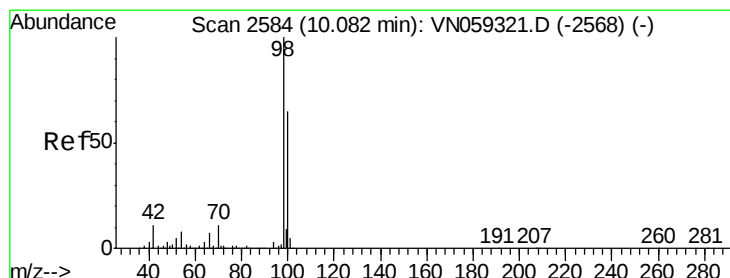
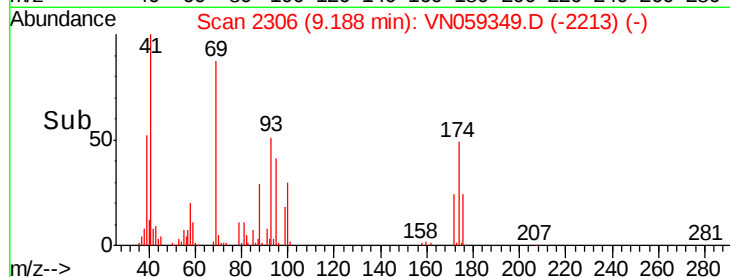
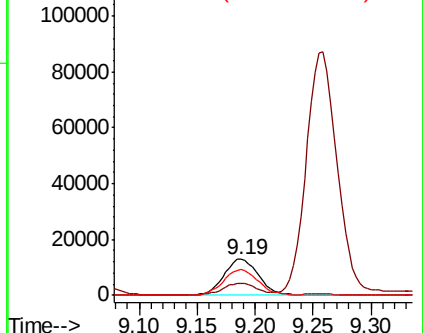
#49
1,4-Dioxane
Concen: 398.803 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 27415
Ion Ratio Lower Upper
88 100
43 33.2 26.9 40.3
58 70.6 59.2 88.8

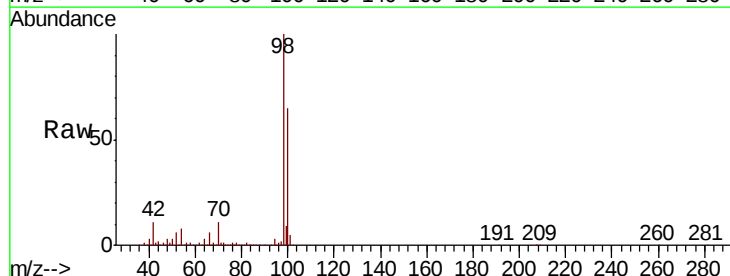


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

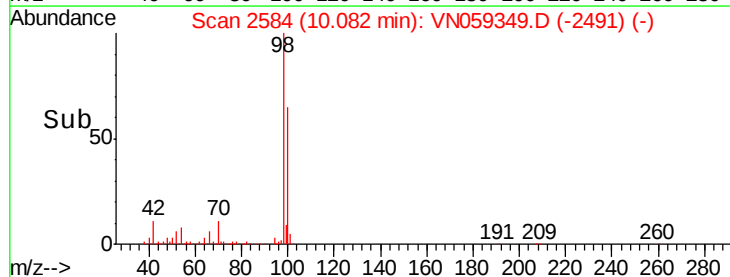
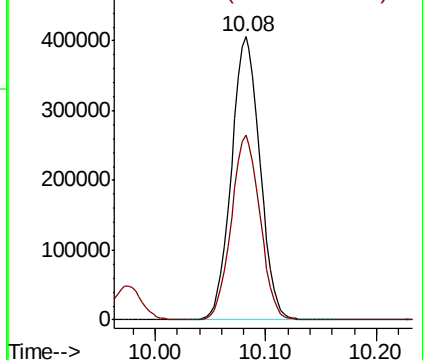


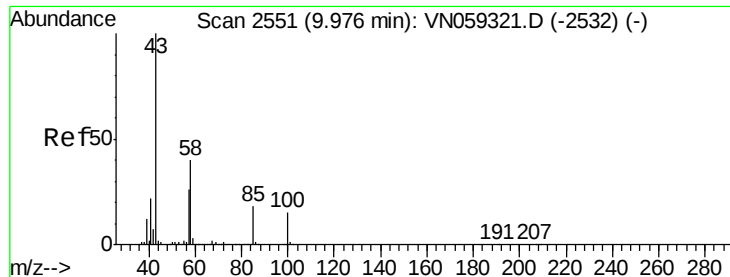
#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 98 Resp: 728542
Ion Ratio Lower Upper
98 100
100 65.6 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: 101.499 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

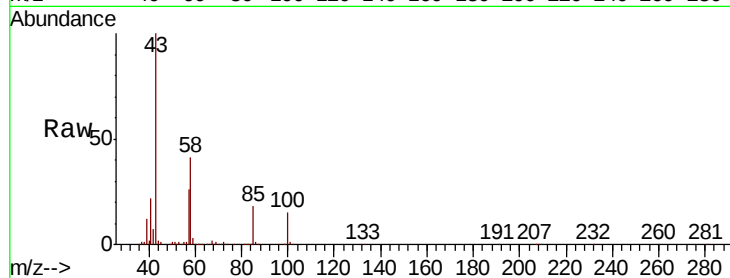
ClientSampled :

Tot Ion: 43 Resp: 597559

Ion Ratio Lower Upper

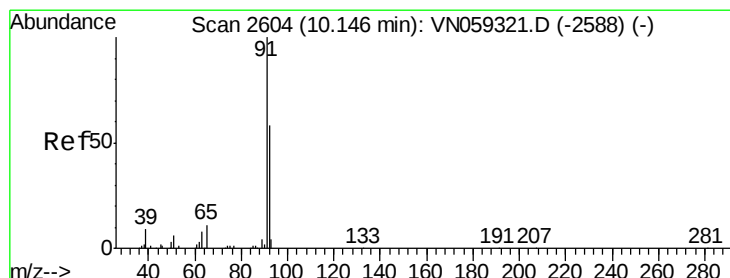
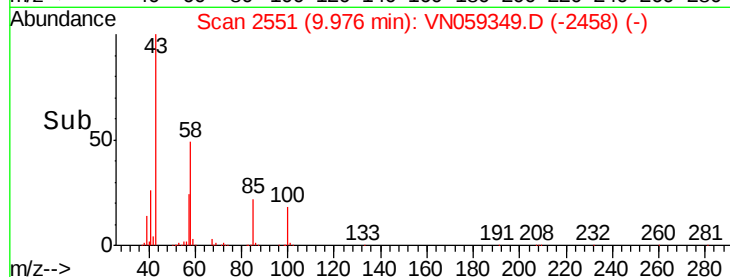
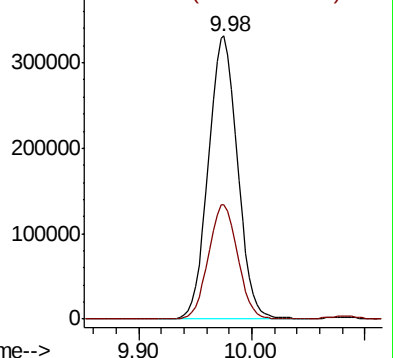
43 100

58 40.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.348 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059349.D

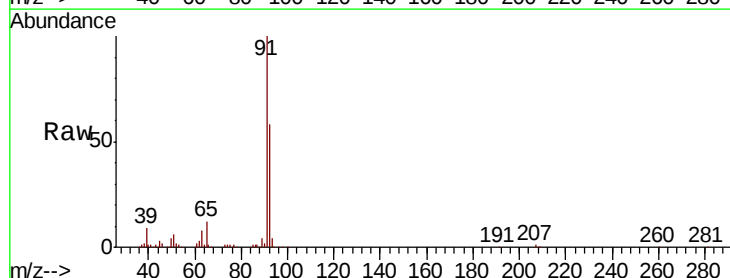
Acq: 21 Nov 2019 20:13

Tgt Ion: 92 Resp: 209094

Ion Ratio Lower Upper

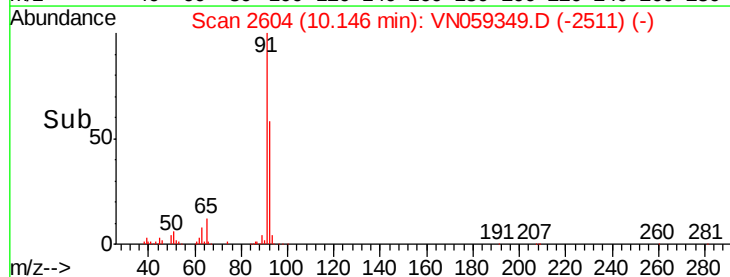
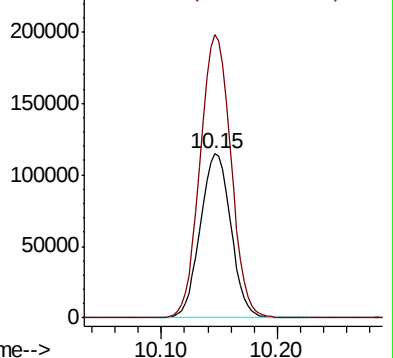
92 100

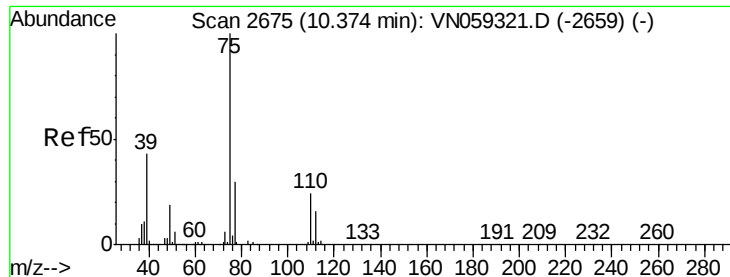
91 173.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.018 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

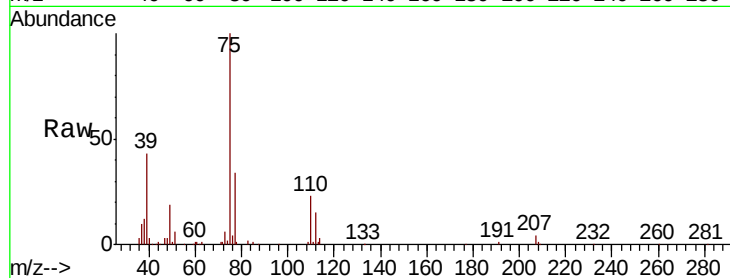
ClientSampleId :

Tot Ion: 75 Resp: 130158

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

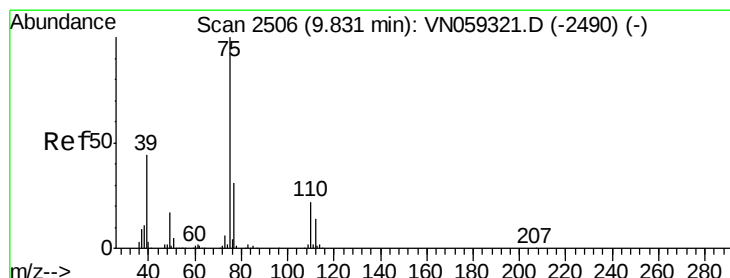
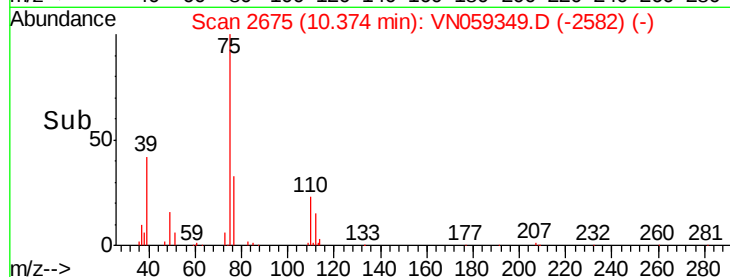
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.144 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

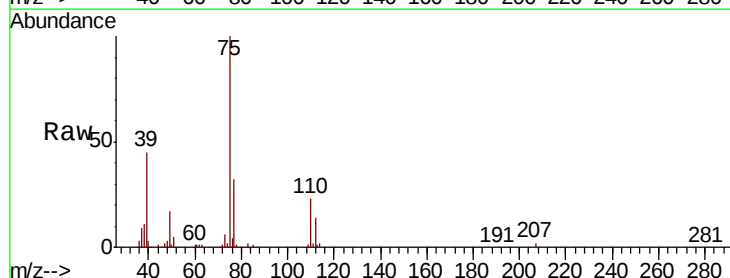
Tgt Ion: 75 Resp: 142175

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

39 45.1 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

60000

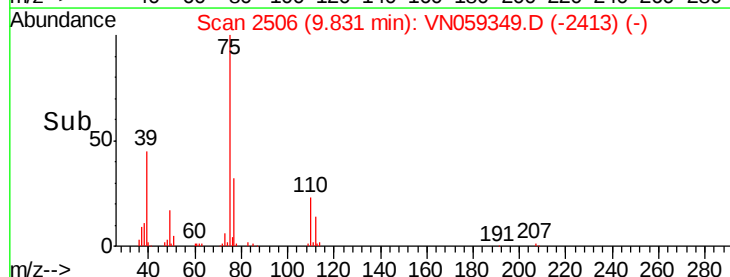
40000

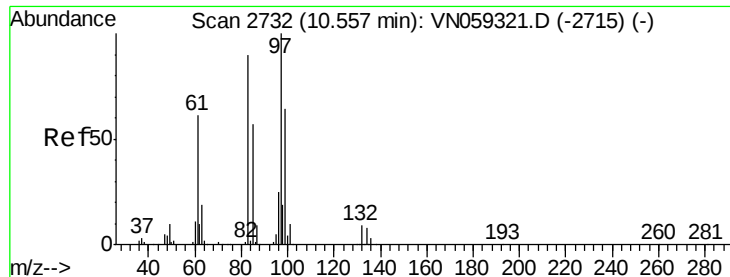
20000

0

9.75 9.80 9.85 9.90 9.95

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.073 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 80145

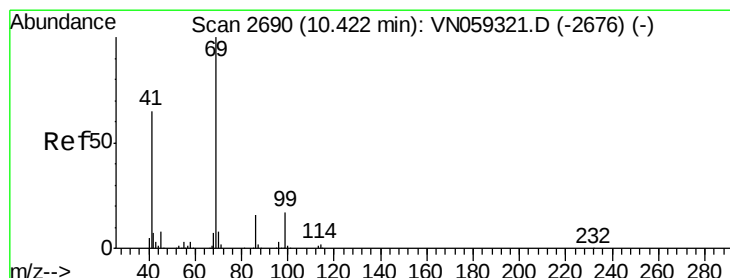
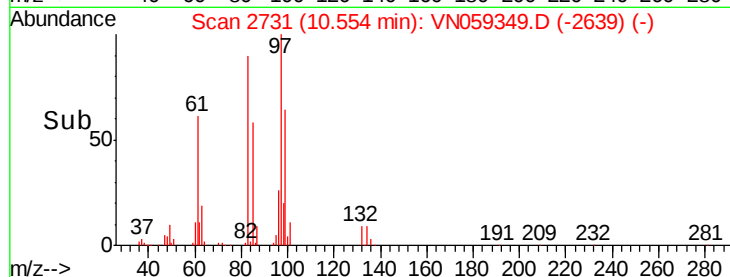
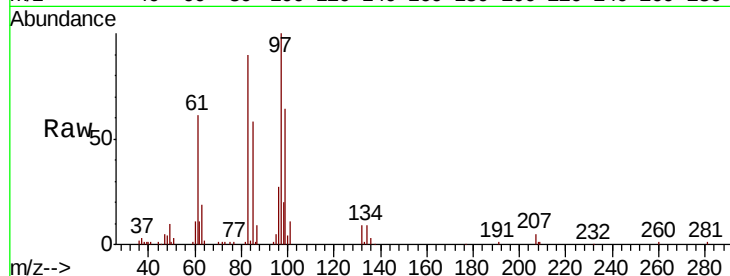
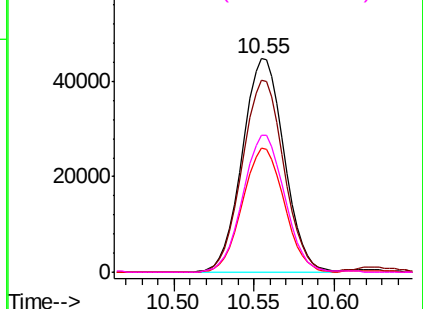
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.0	108.0
85	58.0	45.8	68.6
99	64.2	51.0	76.4

Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.908 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

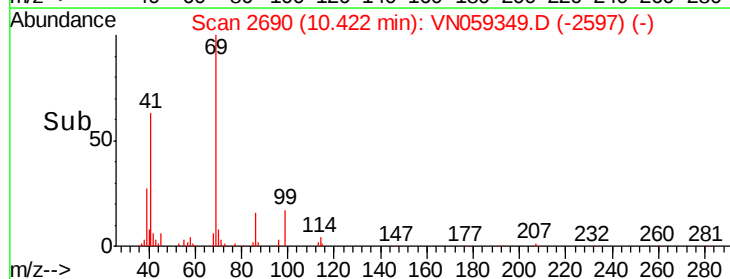
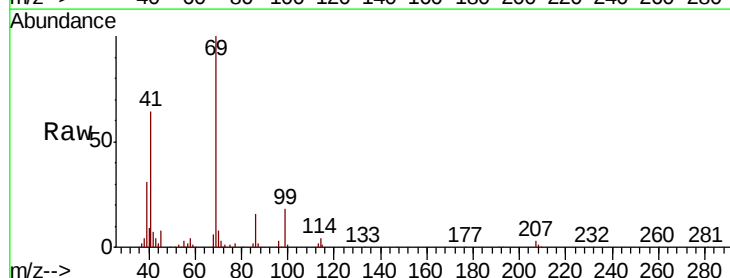
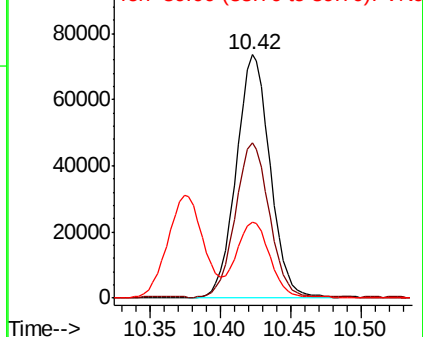
Tgt Ion: 69 Resp: 124064

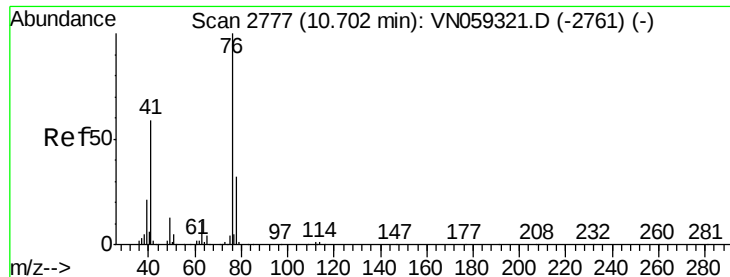
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.7	77.5
39	31.3	25.2	37.8

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.400 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

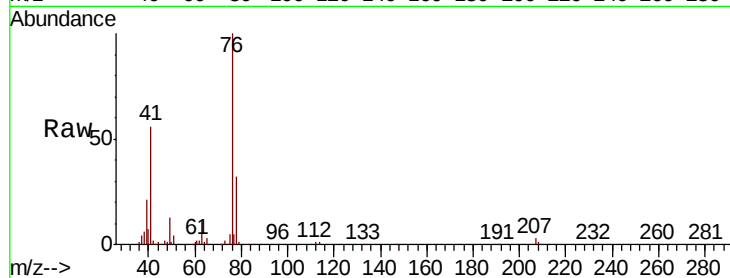
ClientSampleId :

Tot Ion: 76 Resp: 142079

Ion Ratio Lower Upper

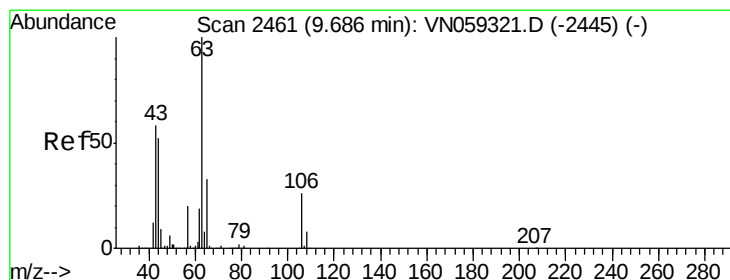
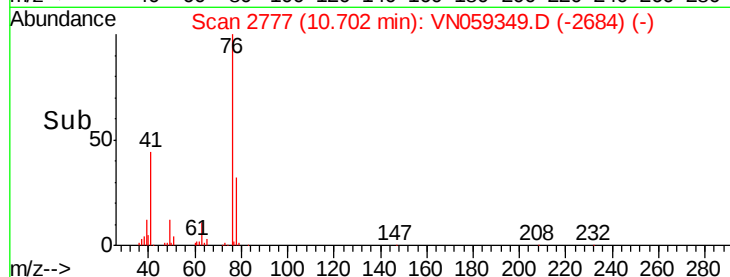
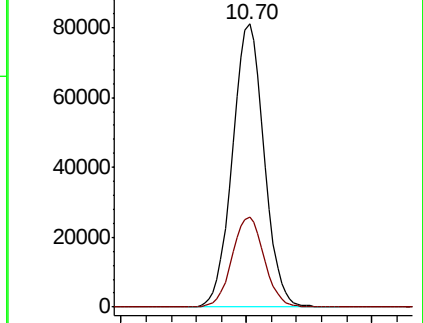
76 100

78 32.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.369 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059349.D

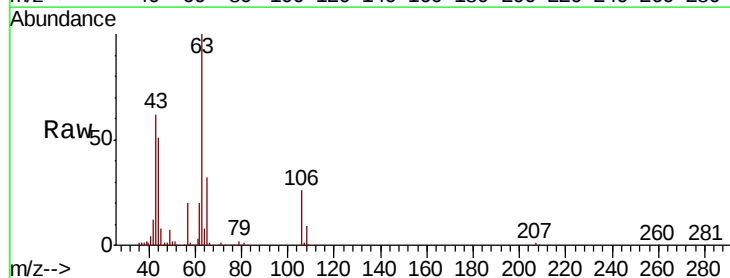
Acq: 21 Nov 2019 20:13

Tgt Ion: 63 Resp: 216631

Ion Ratio Lower Upper

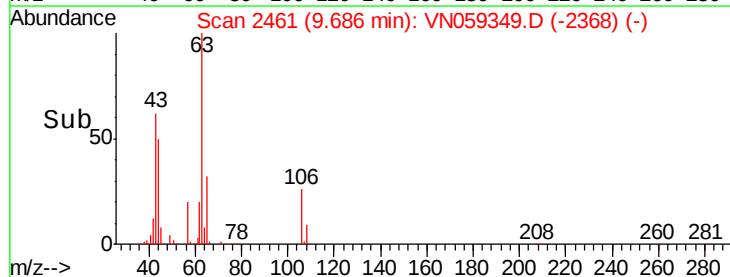
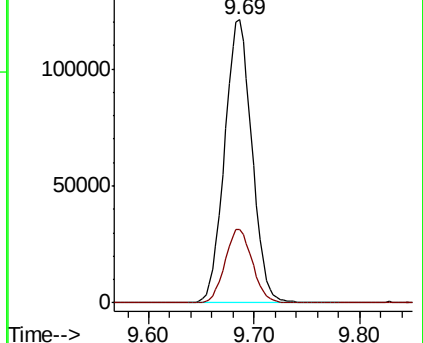
63 100

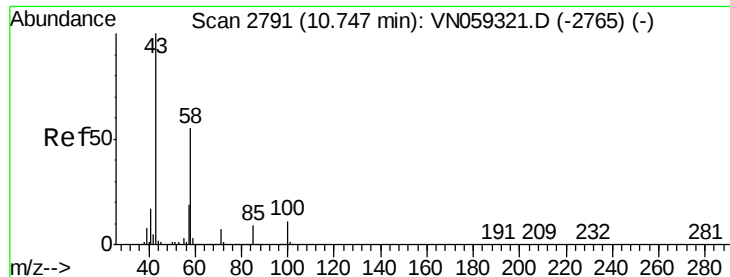
106 26.0 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

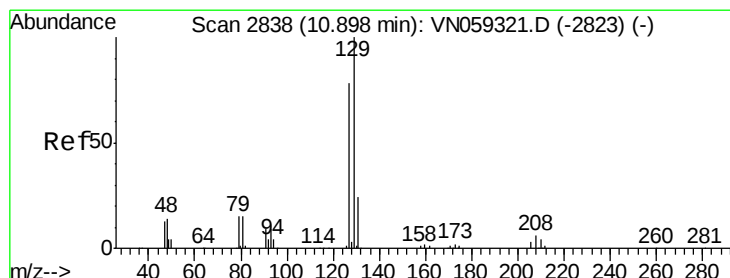
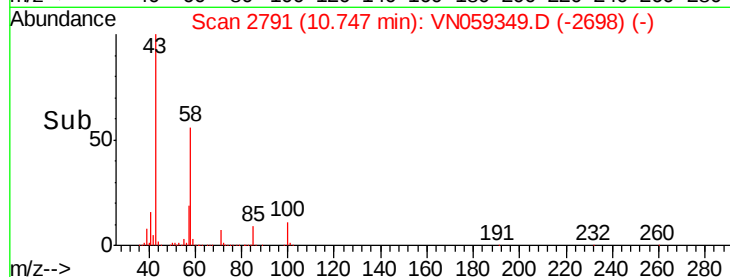
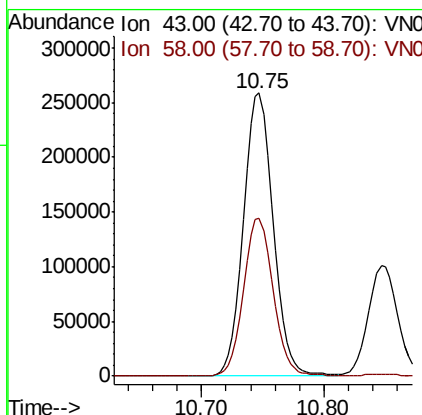
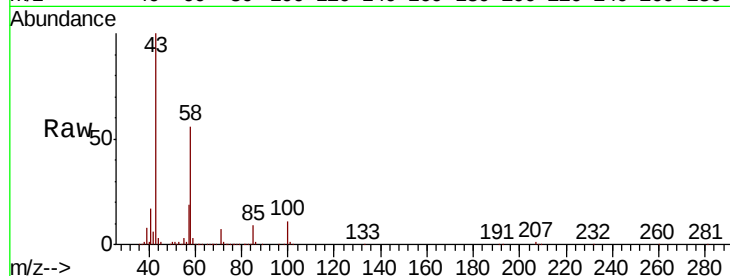




#59
2-Hexanone
Concen: 100.538 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

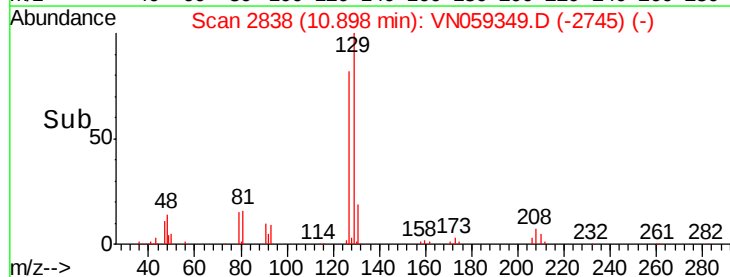
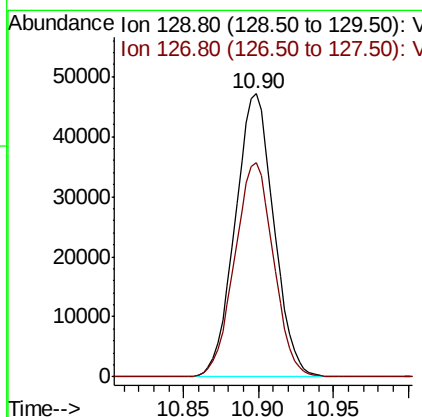
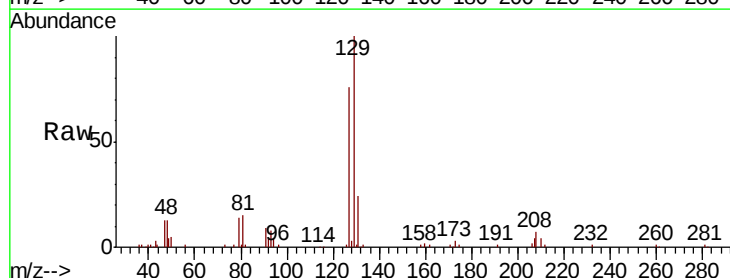
Instrument :
MSVOA_N
ClientSampled :

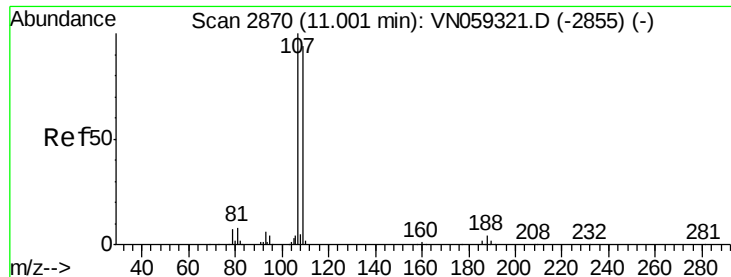
Tot Ion: 43 Resp: 433415
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.0



#60
Dibromochloromethane
Concen: 19.178 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 129 Resp: 84917
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5

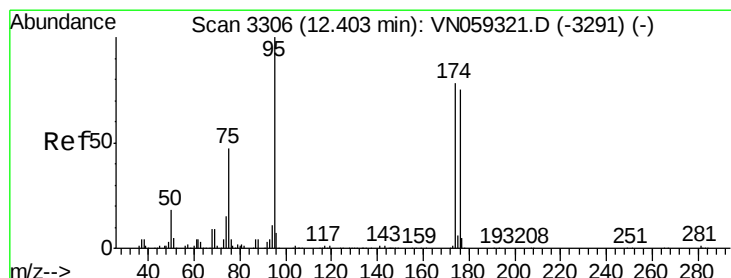
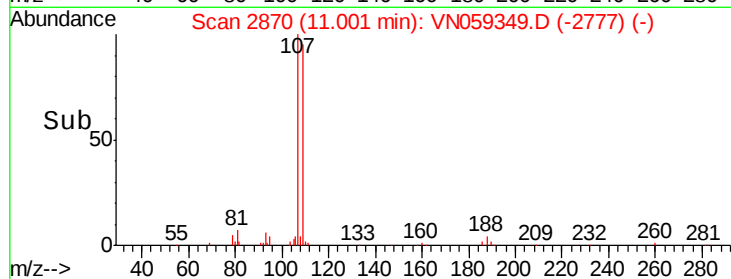
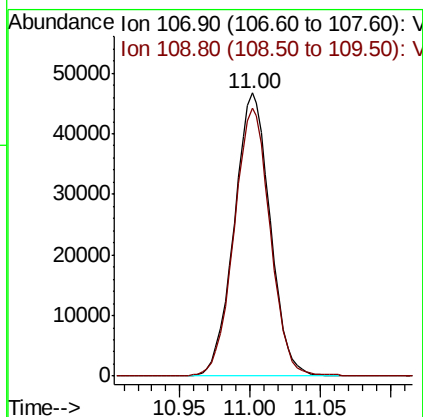
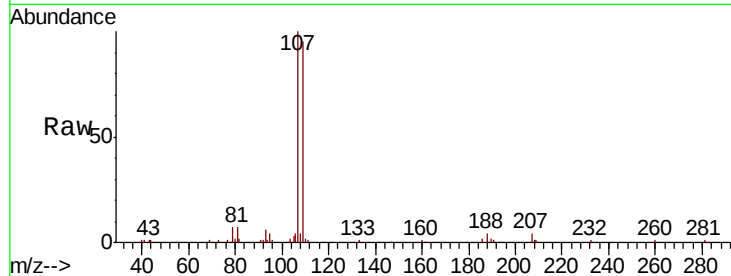




#61
 1,2-Dibromoethane
 Concen: 19.054 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

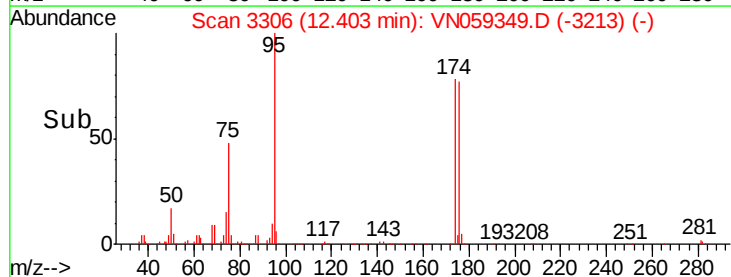
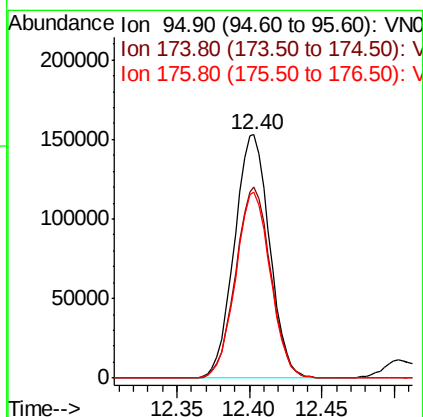
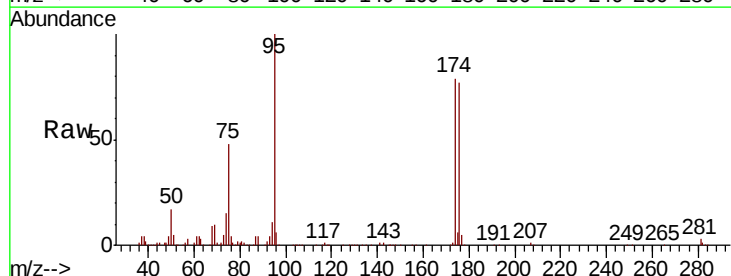
Instrument :
 MSVOA_N
 ClientSampled :

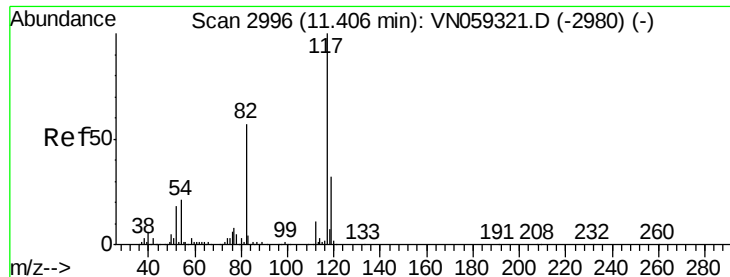
Tot Ion: 107 Resp: 83308
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.978 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 95 Resp: 257129
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.4
 176 76.0 0.0 151.2

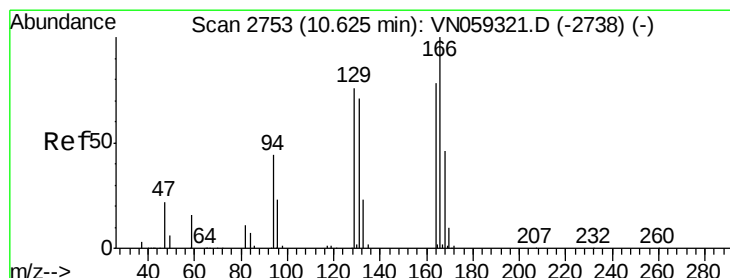
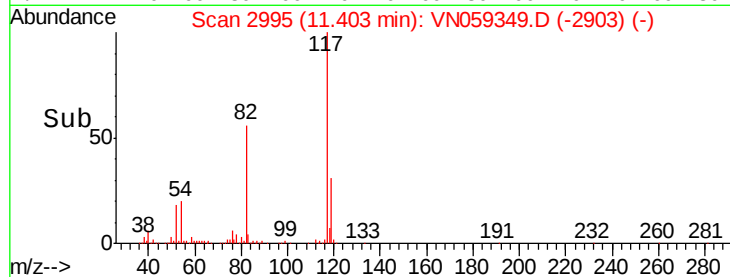
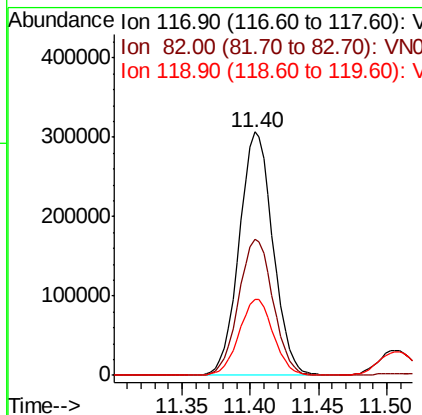
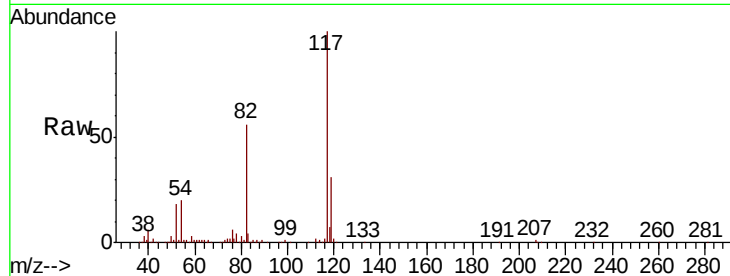




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

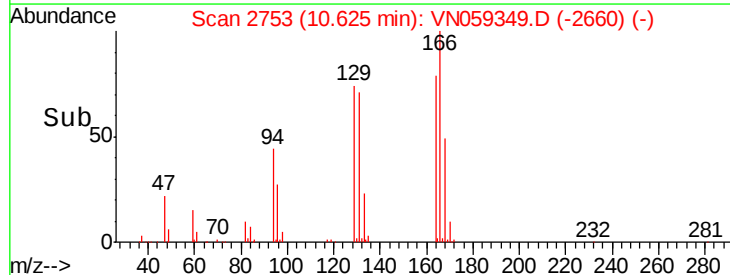
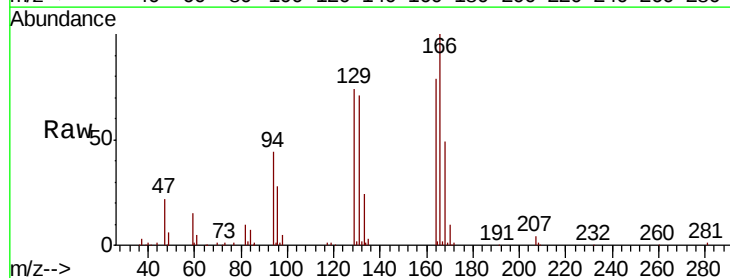
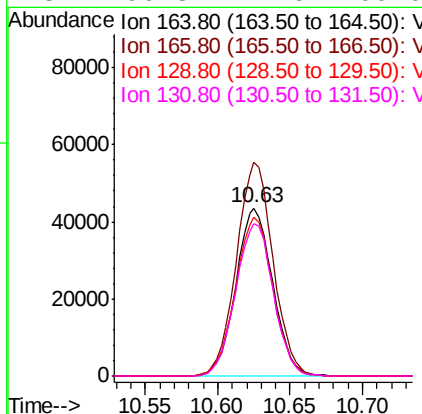
Instrument :
MSVOA_N
ClientSampleId :

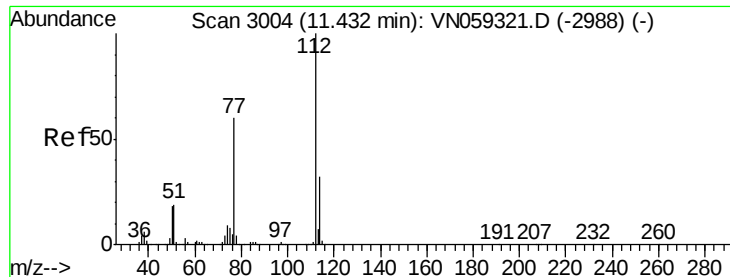
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.7	68.5
119	31.3	25.8	38.6



#64
Tetrachloroethene
Concen: 18.849 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.9	154.3
129	94.2	78.2	117.2
131	90.3	72.6	109.0

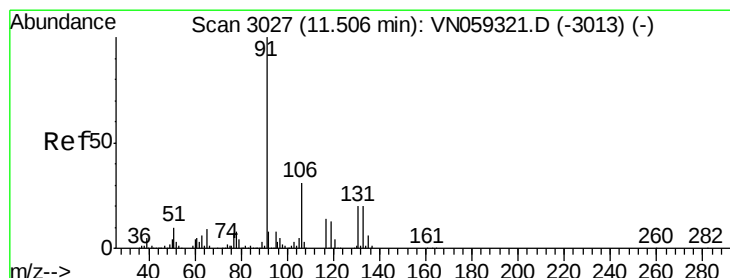
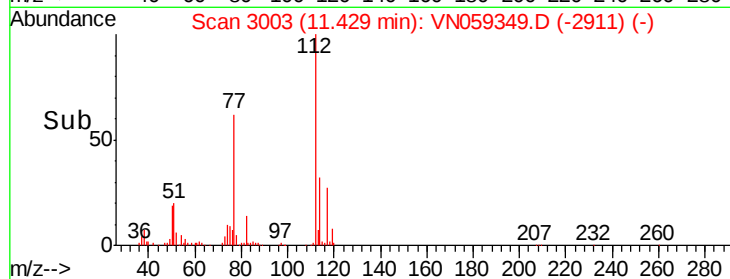
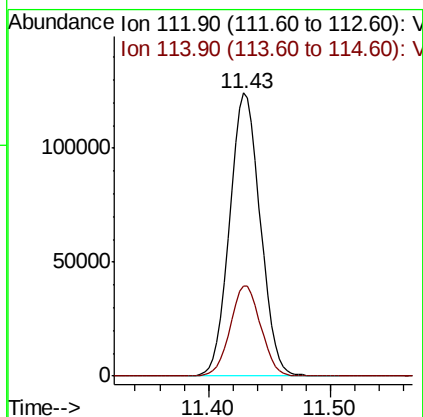
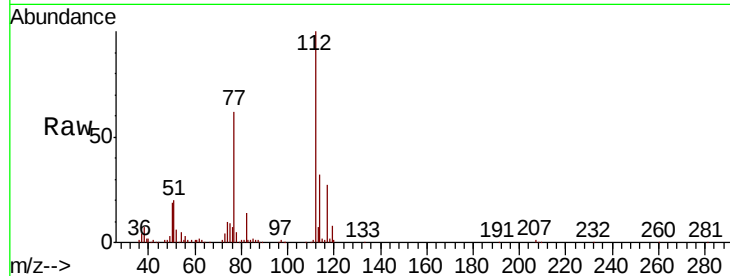




#65
Chlorobenzene
Concen: 19.222 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

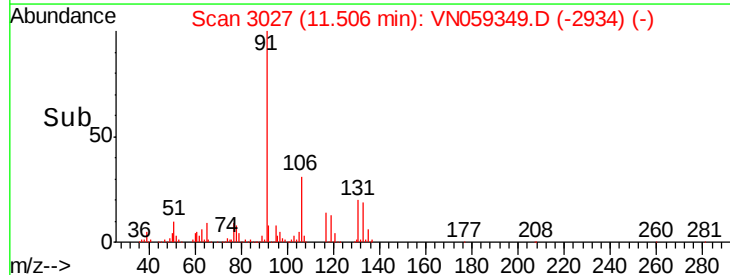
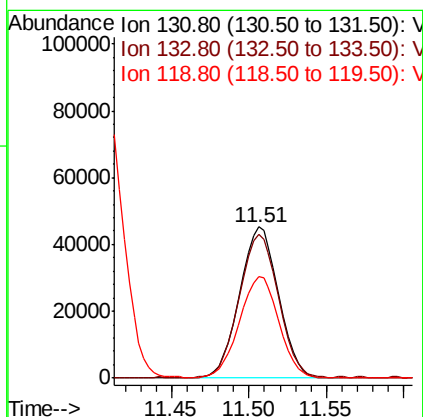
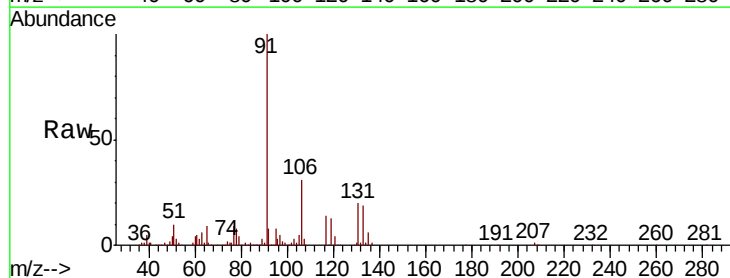
Instrument :
MSVOA_N
ClientSampled :

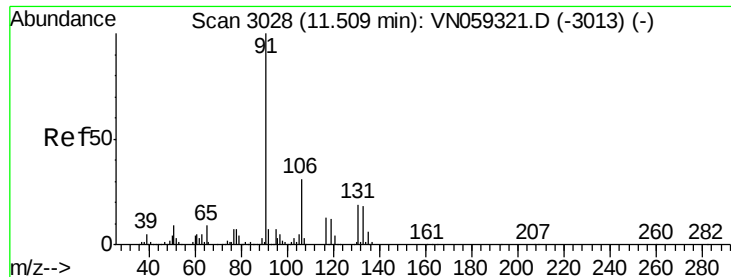
Tot Ion:112 Resp: 217563
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.265 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion:131 Resp: 79212
Ion Ratio Lower Upper
131 100
133 95.1 48.2 144.6
119 68.4 33.6 100.6





#67

Ethyl Benzene

Concen: 19.499 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

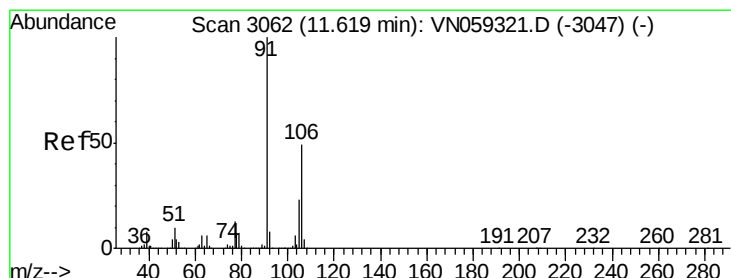
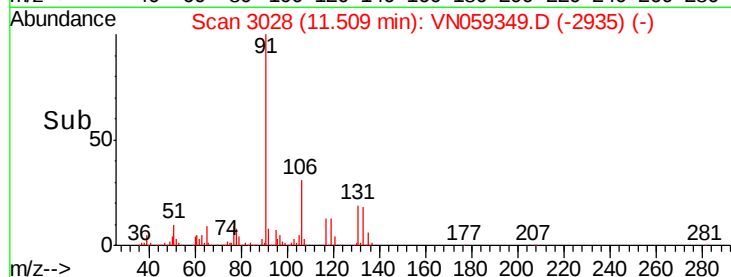
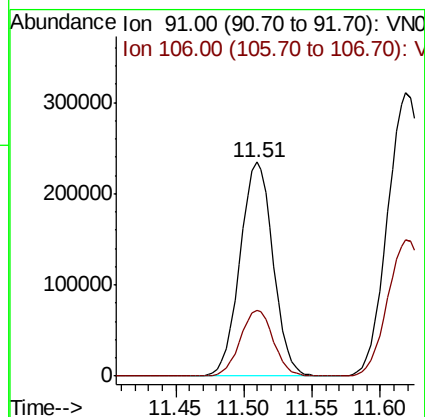
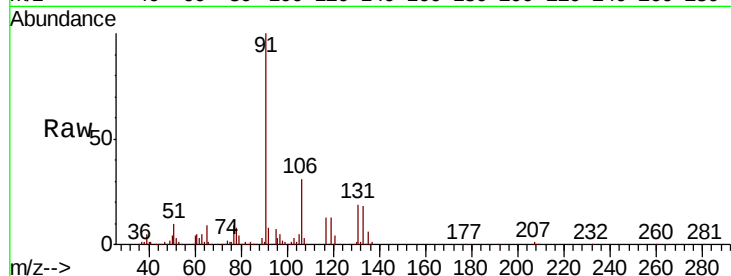
ClientSampled :

Tot Ion: 91 Resp: 394047

Ion Ratio Lower Upper

91 100

106 31.0 24.6 37.0



#68

m/p-Xylenes

Concen: 39.076 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059349.D

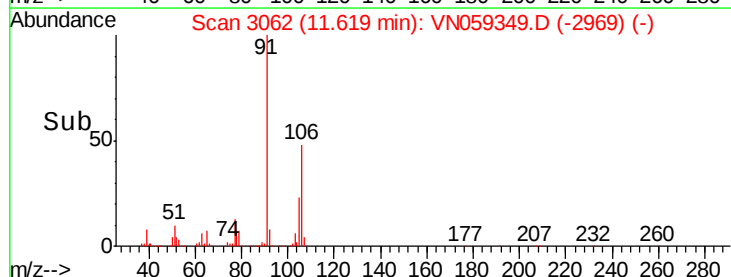
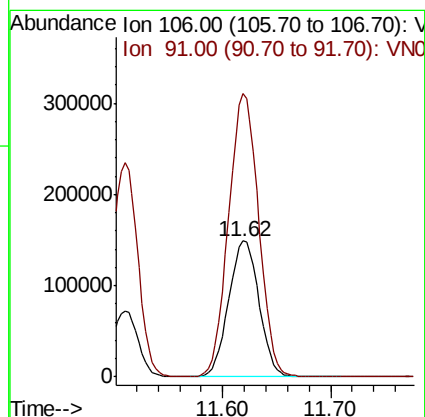
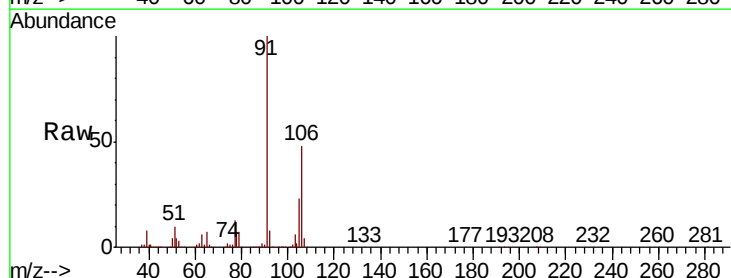
Acq: 21 Nov 2019 20:13

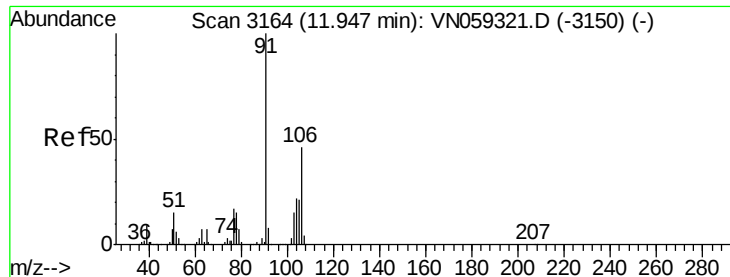
Tgt Ion: 106 Resp: 293434

Ion Ratio Lower Upper

106 100

91 205.5 163.2 244.8

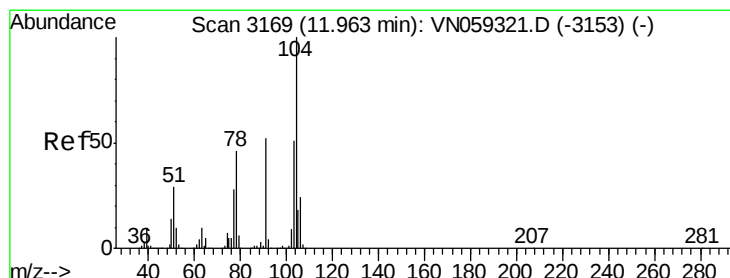
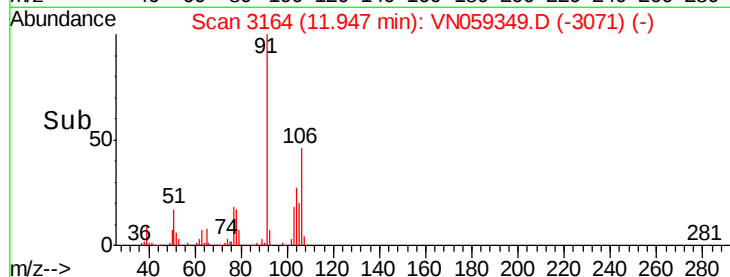
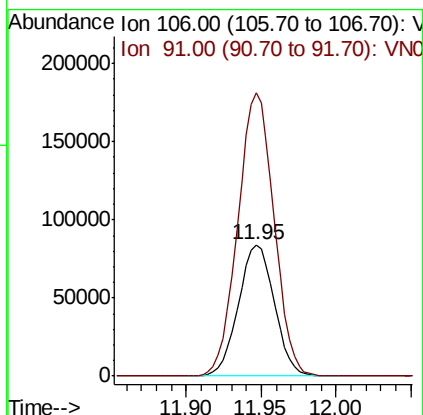
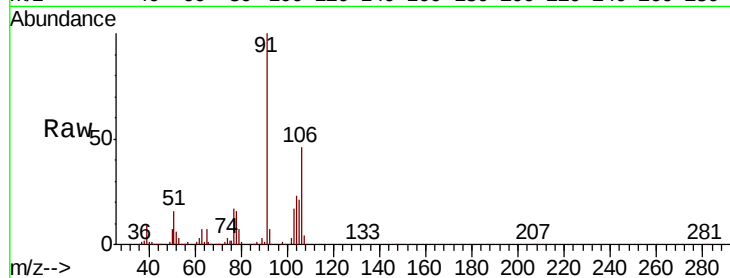




#69
o-Xylene
Concen: 19.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

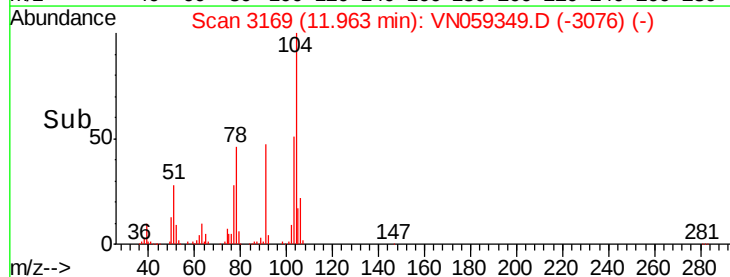
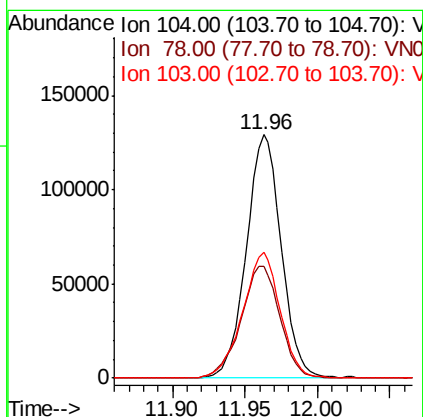
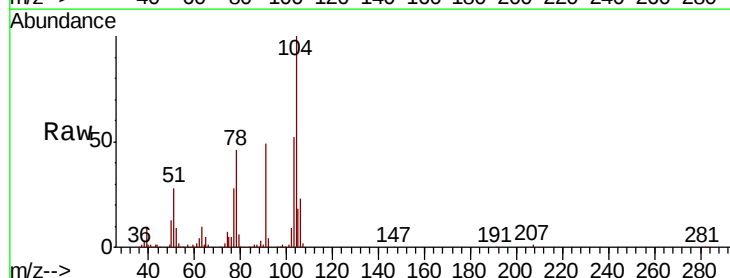
Instrument :
MSVOA_N
ClientSampled :

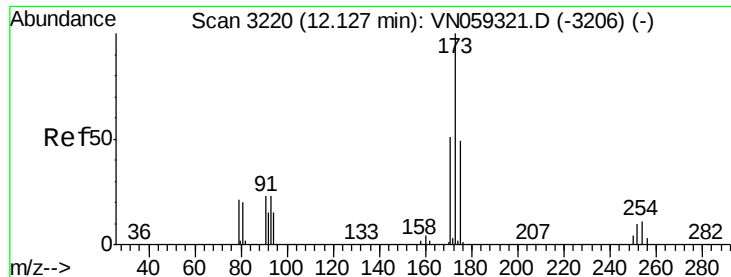
Tot Ion:106 Resp: 140638
Ion Ratio Lower Upper
106 100
91 217.3 109.3 327.9



#70
Styrene
Concen: 19.092 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion:104 Resp: 216565
Ion Ratio Lower Upper
104 100
78 51.6 40.3 60.5
103 55.6 43.6 65.4





#71

Bromoform

Concen: 19.392 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

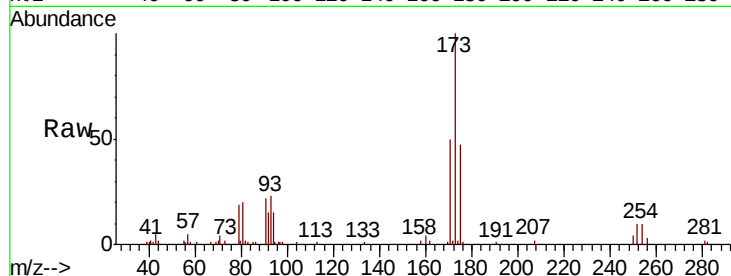
Tot Ion:173 Resp: 60387

Ion Ratio Lower Upper

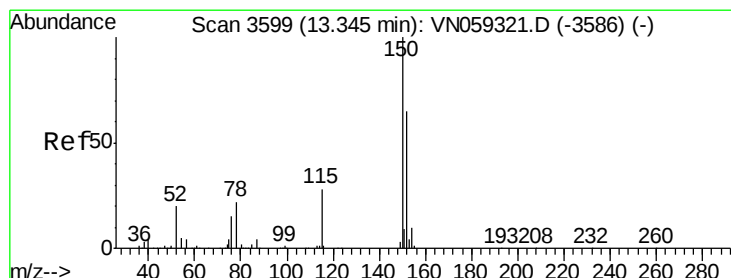
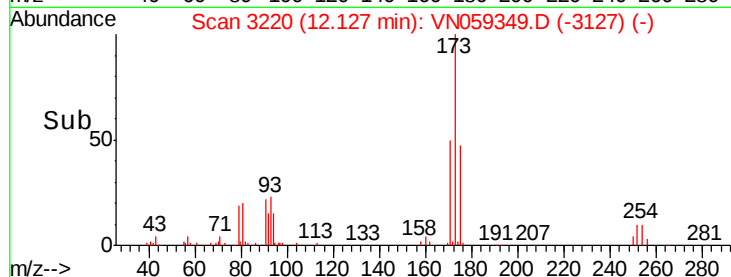
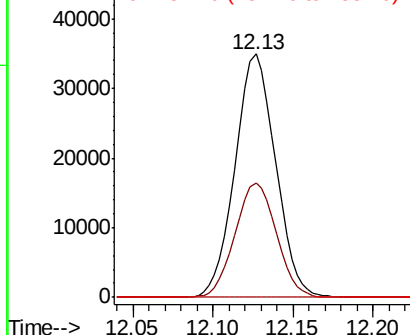
173 100

175 47.8 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: VN059349.D

Acq: 21 Nov 2019 20:13

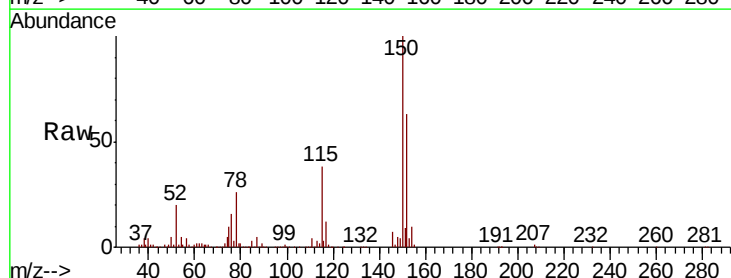
Tgt Ion:152 Resp: 237219

Ion Ratio Lower Upper

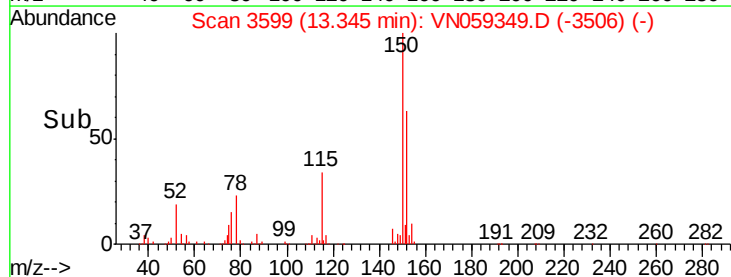
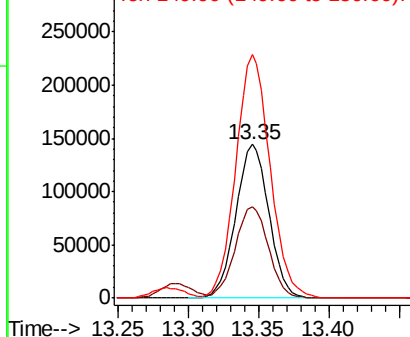
152 100

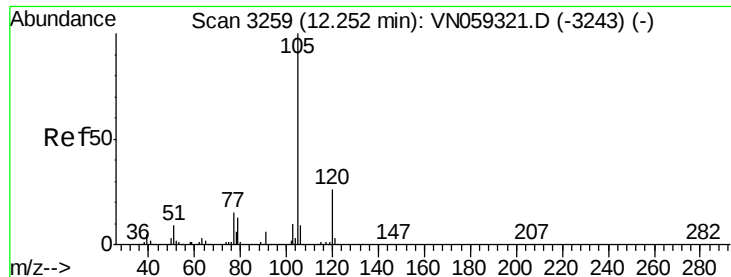
115 60.2 29.3 88.0

150 163.8 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.358 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

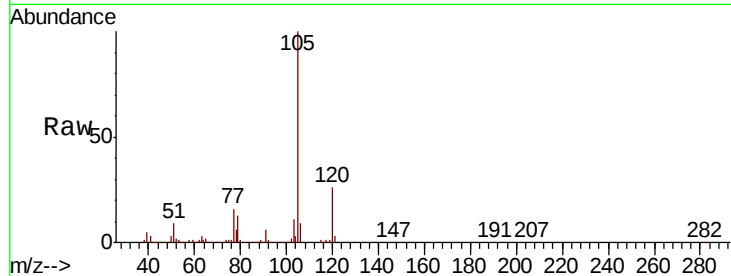
ClientSampleId :

Tot Ion: 105 Resp: 376185

Ion Ratio Lower Upper

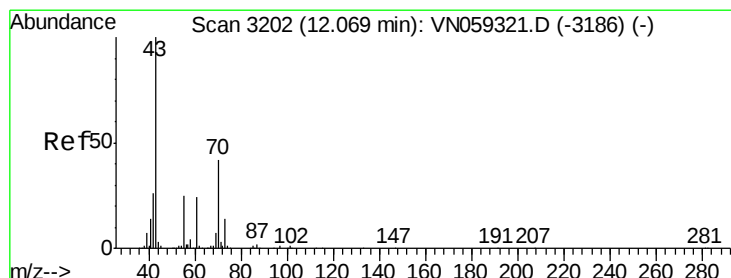
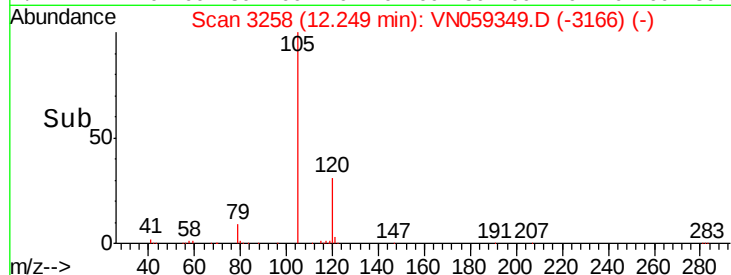
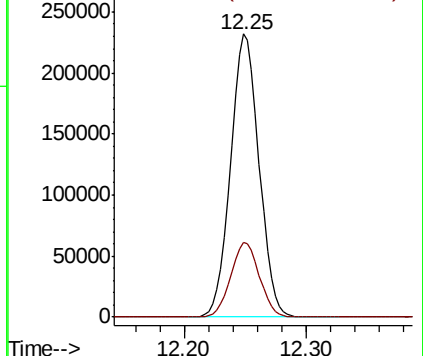
105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.749 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion: 43 Resp: 154235

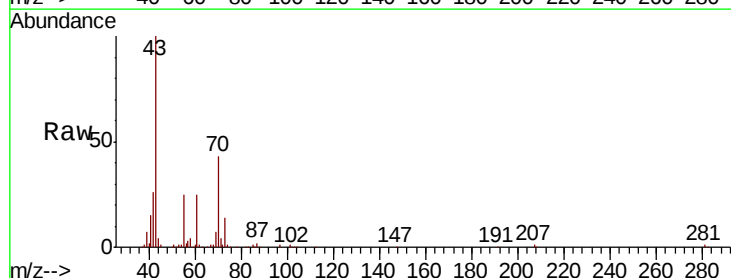
Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.6

55 25.1 20.3 30.5

61 24.0 19.9 29.9

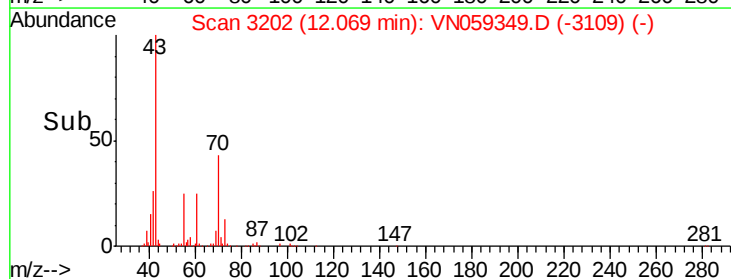
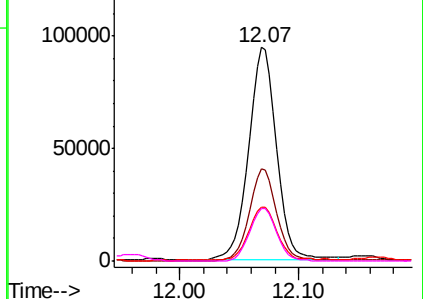


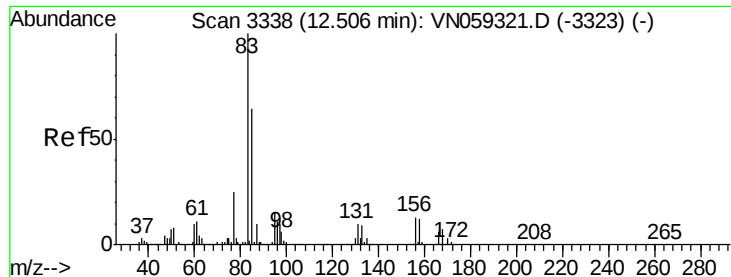
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.865 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

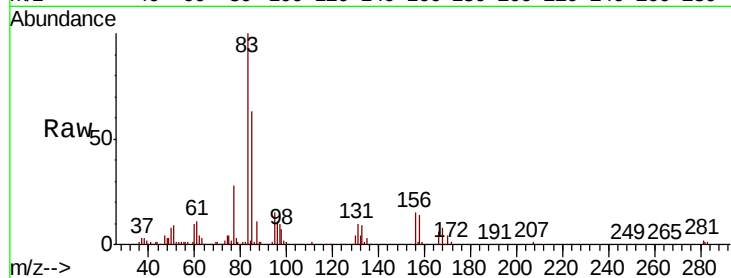
Tot Ion: 83 Resp: 121268

Ion Ratio Lower Upper

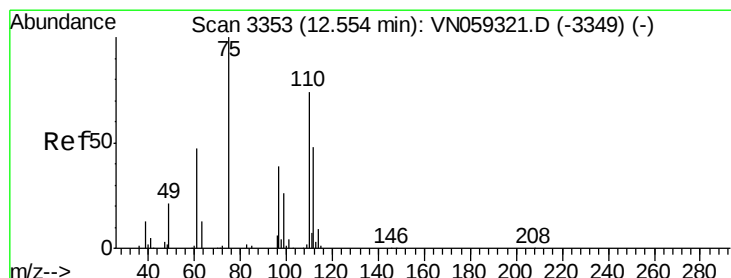
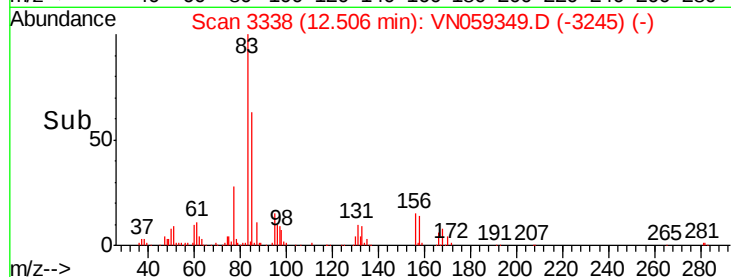
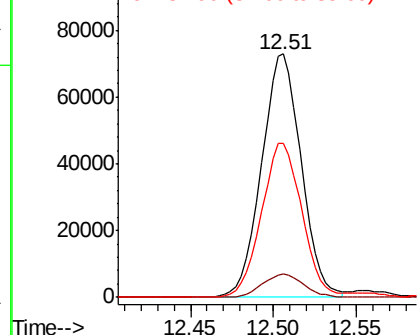
83 100

131 9.8 5.0 14.9

85 64.4 32.1 96.3



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



#76

1,2,3-Trichloropropane

Concen: 29.678 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059349.D

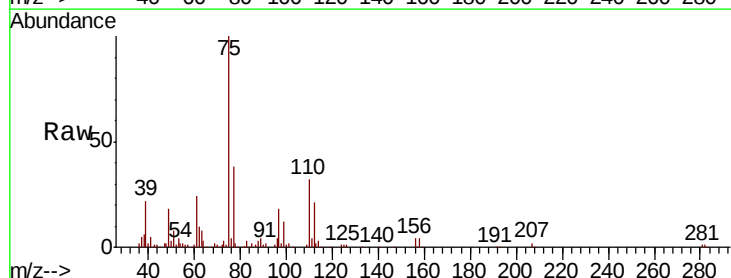
Acq: 21 Nov 2019 20:13

Tgt Ion: 75 Resp: 162644

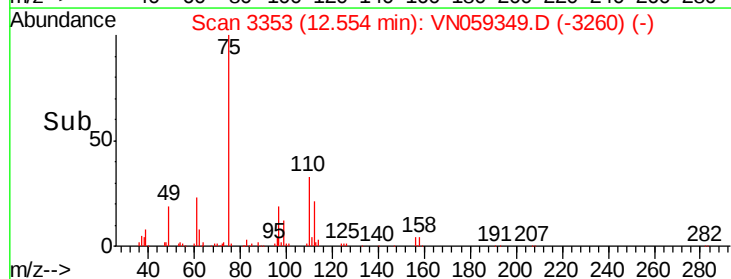
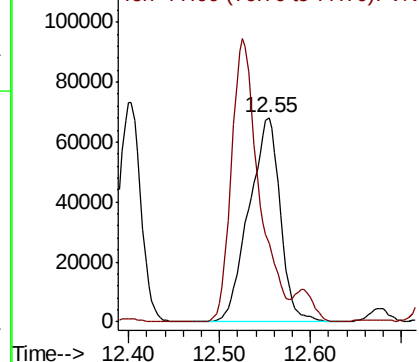
Ion Ratio Lower Upper

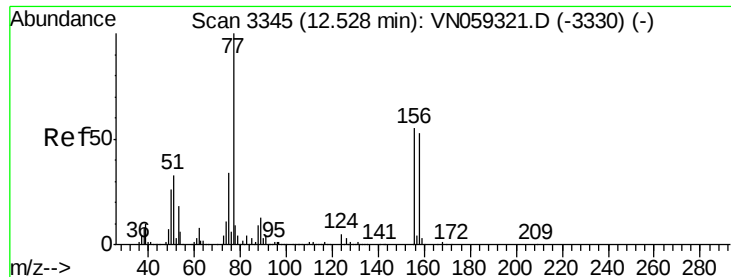
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 18.840 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampled :

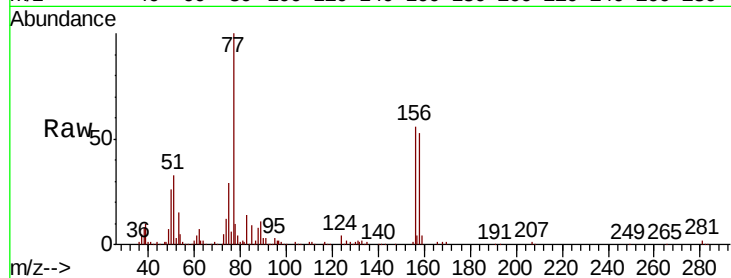
Tot Ion:156 Resp: 88802

Ion Ratio Lower Upper

156 100

77 224.7 111.1 333.4

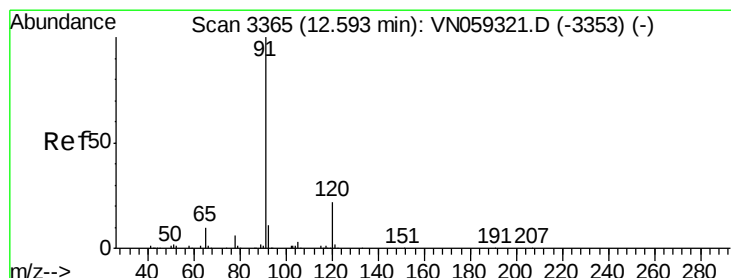
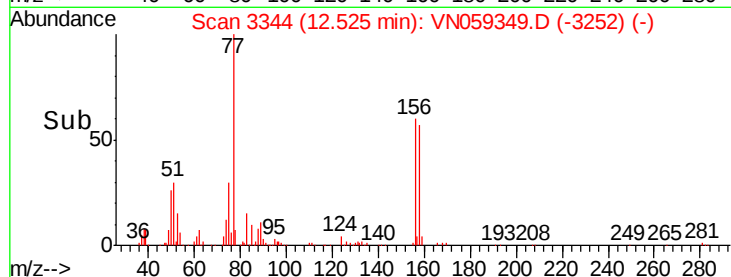
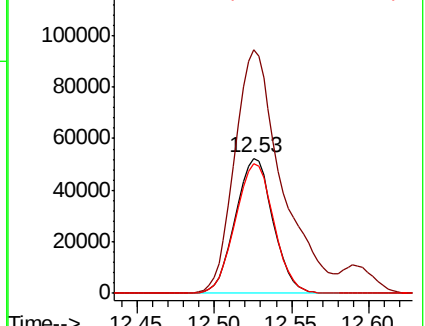
158 98.1 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.482 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059349.D

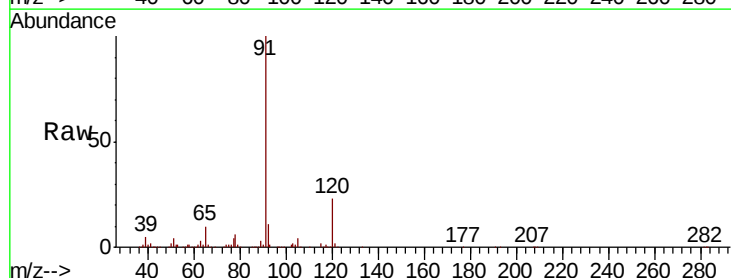
Acq: 21 Nov 2019 20:13

Tgt Ion: 91 Resp: 428840

Ion Ratio Lower Upper

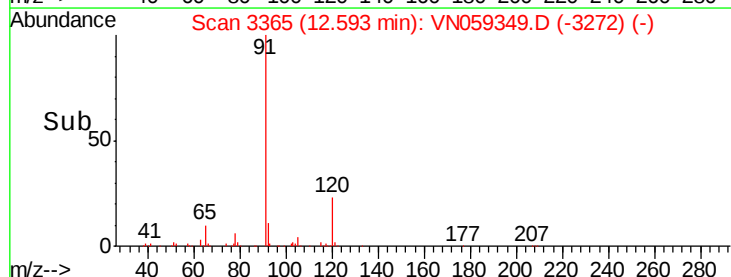
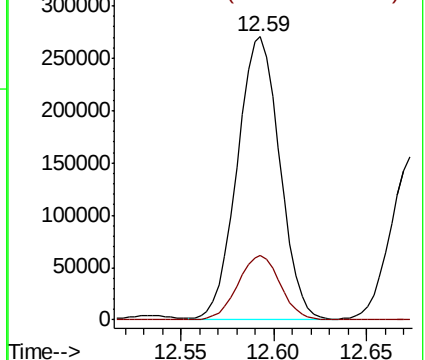
91 100

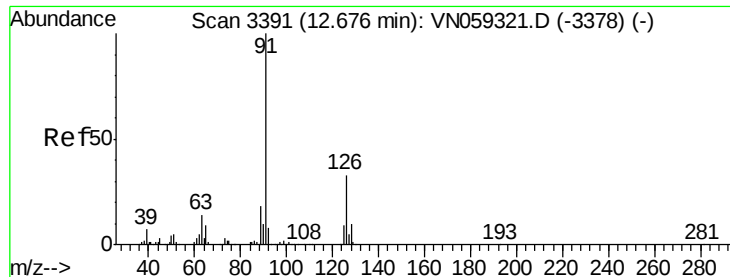
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

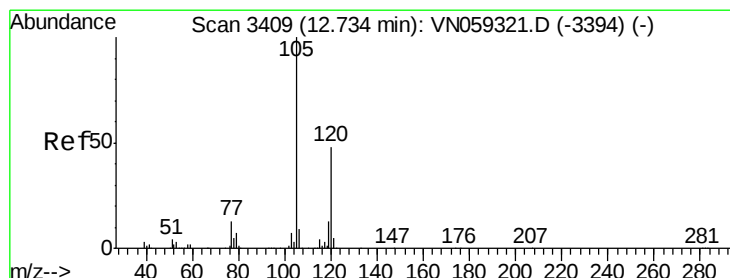
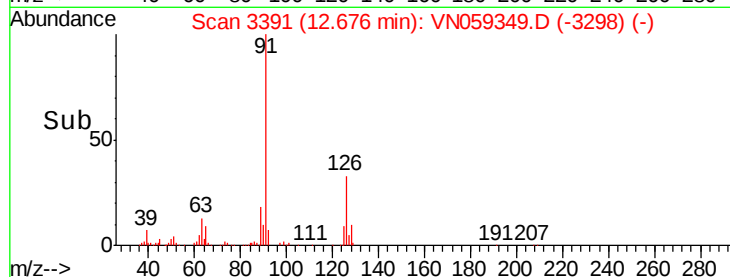
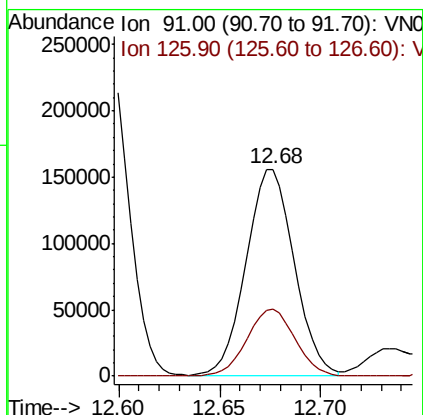
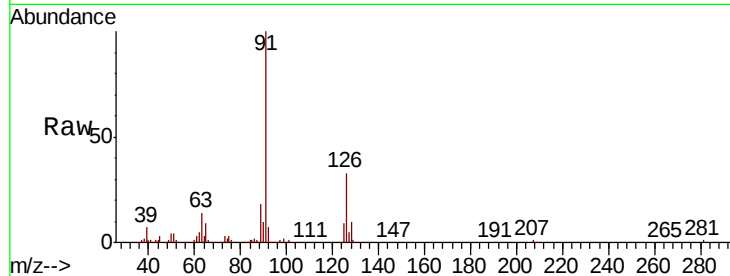




#79
 2-Chlorotoluene
 Concen: 19.147 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

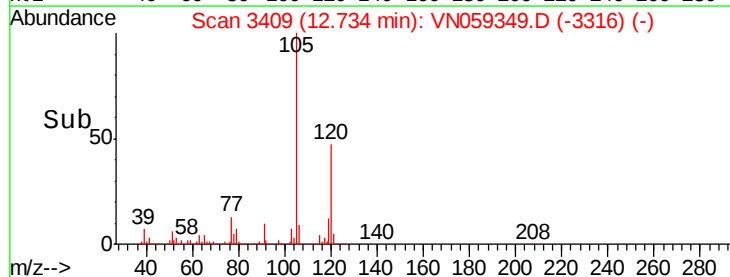
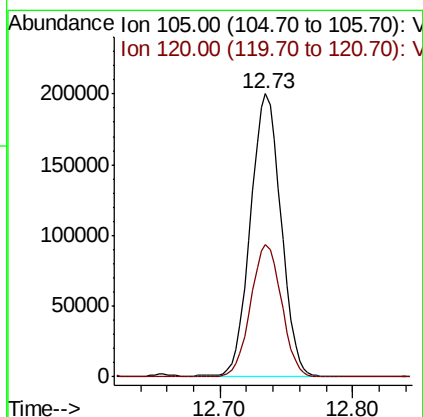
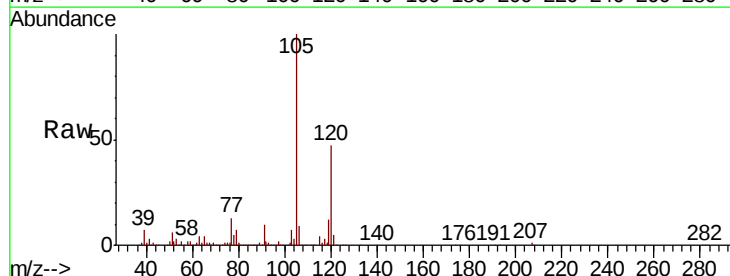
Instrument :
 MSVOA_N
 ClientSampled :

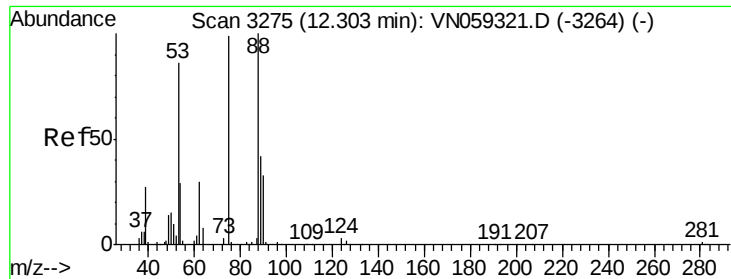
Tot Ion: 91 Resp: 258694
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.622 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 105 Resp: 320545
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.1 72.4

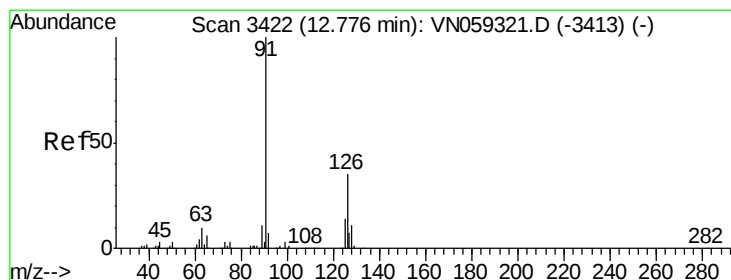
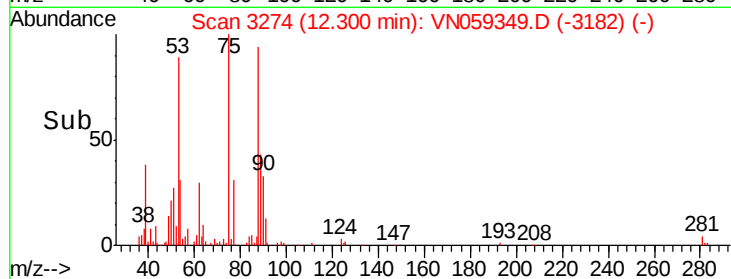
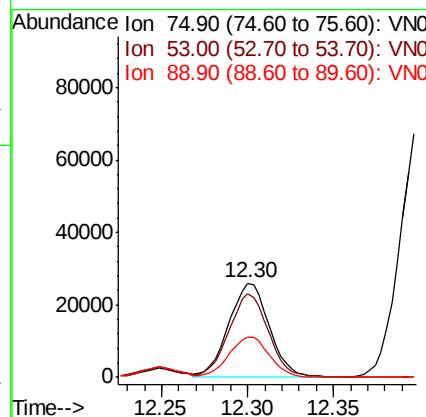
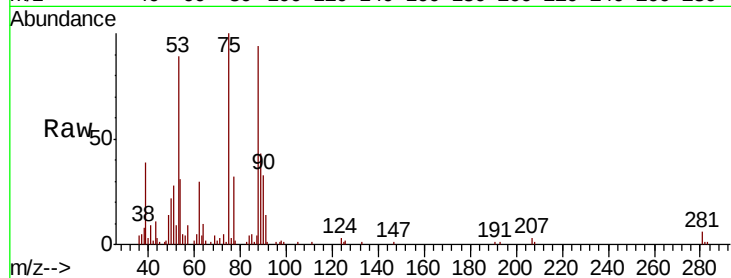




#81
trans-1,4-Dichloro-2-butene
Concen: 19.166 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

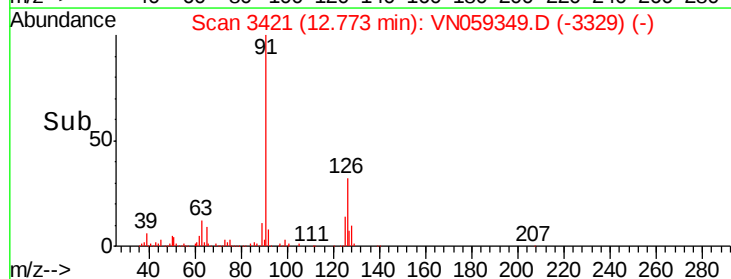
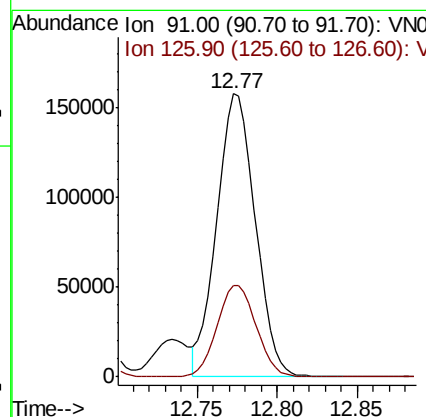
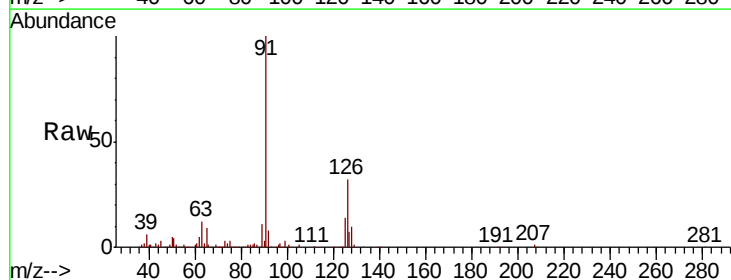
Instrument :
MSVOA_N
ClientSampleId :

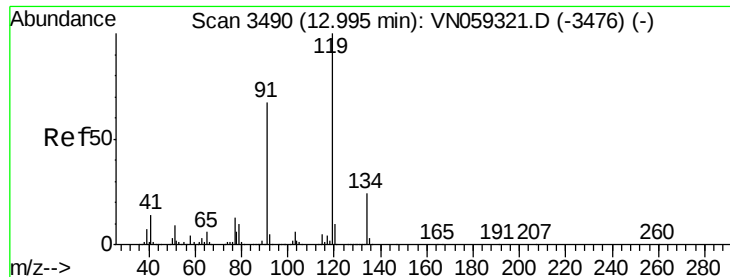
Tot Ion: 75 Resp: 41994
Ion Ratio Lower Upper
75 100
53 89.0 70.7 106.1
89 43.6 35.4 53.0



#82
4-Chlorotoluene
Concen: 18.636 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 91 Resp: 260567
Ion Ratio Lower Upper
91 100
126 32.9 16.2 48.6





#83

tert-Butylbenzene

Concen: 19.596 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampled :

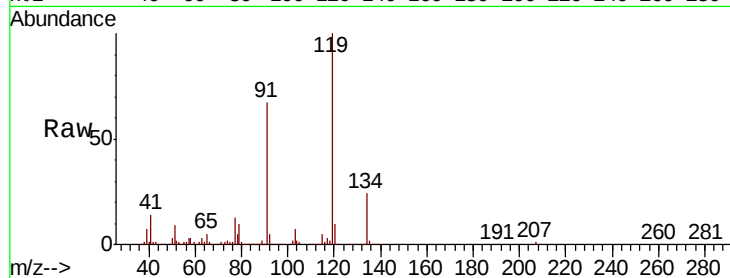
Tot Ion:119 Resp: 270366

Ion Ratio Lower Upper

119 100

91 65.9 32.8 98.4

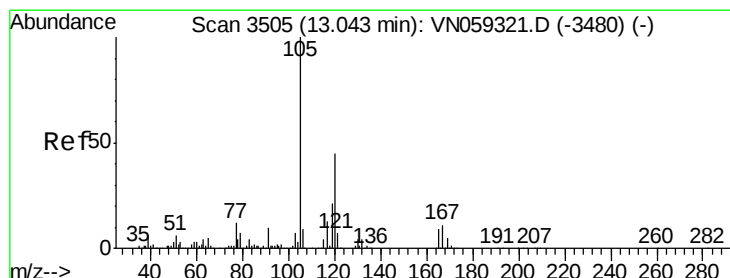
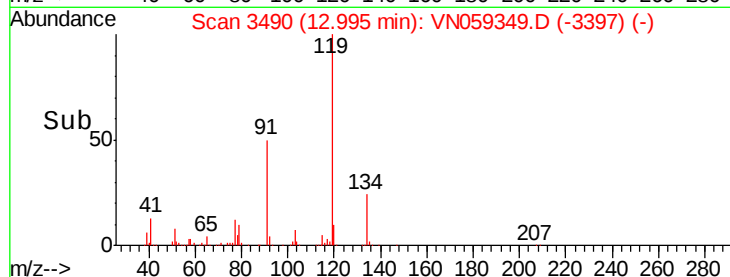
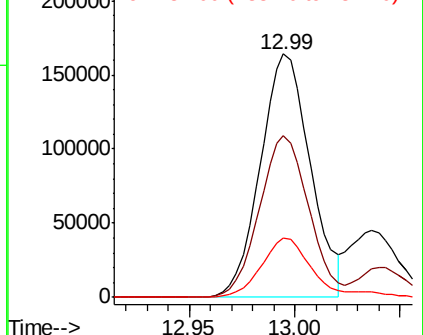
134 23.7 13.0 38.9



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: 20.047 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059349.D

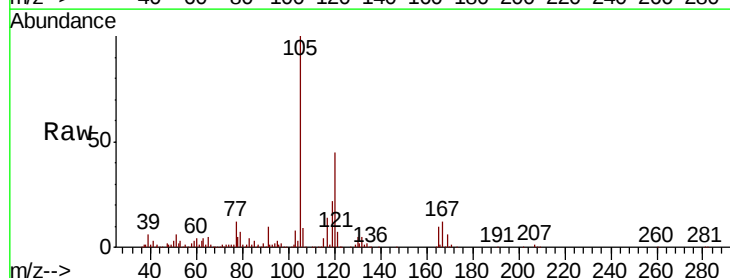
Acq: 21 Nov 2019 20:13

Tgt Ion:105 Resp: 320787

Ion Ratio Lower Upper

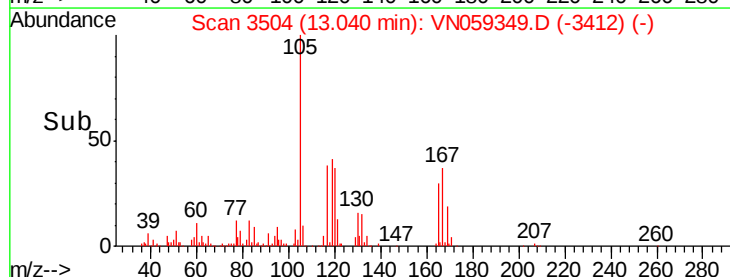
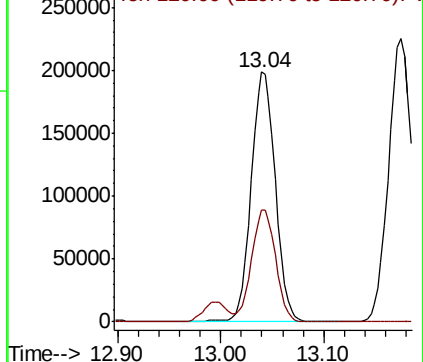
105 100

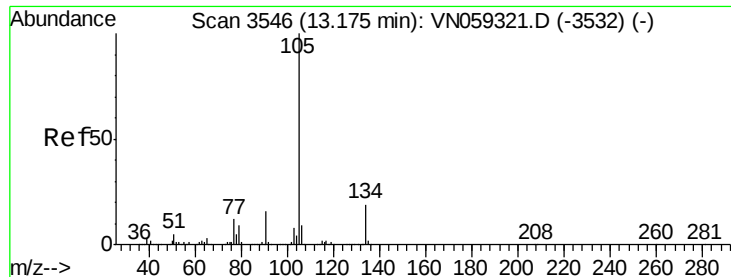
120 44.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.288 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

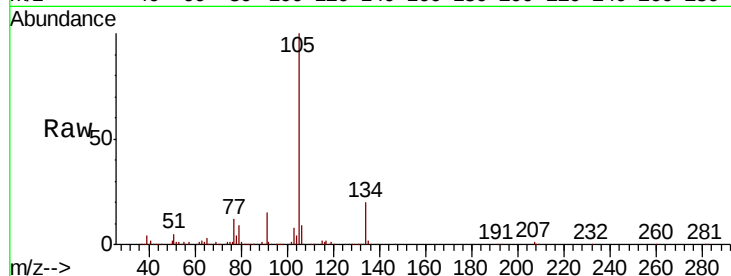
ClientSampled :

Tot Ion:105 Resp: 357667

Ion Ratio Lower Upper

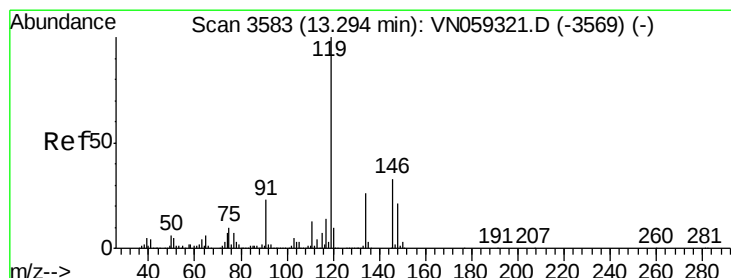
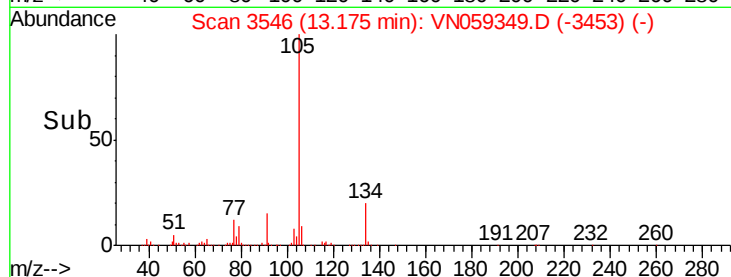
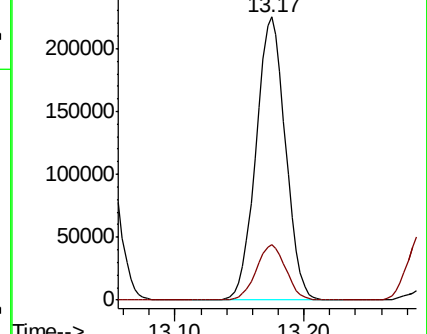
105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.424 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

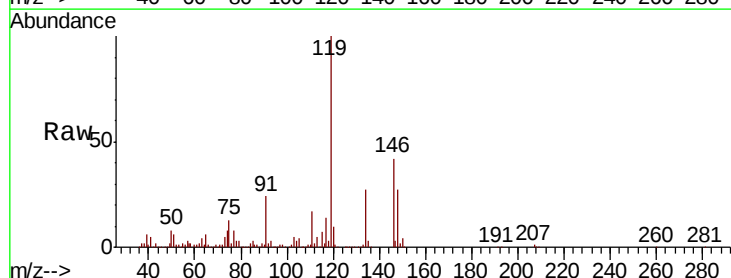
Tgt Ion:119 Resp: 320518

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

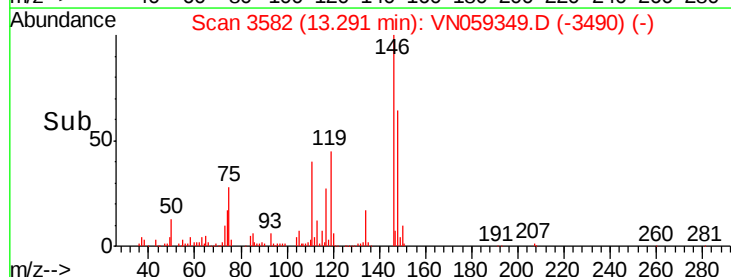
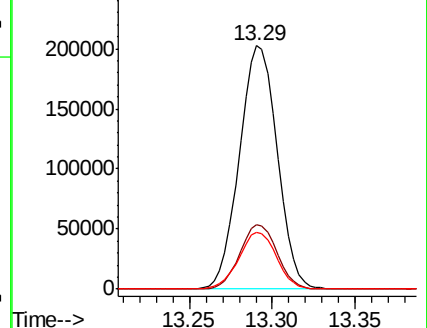
91 23.2 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.773 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

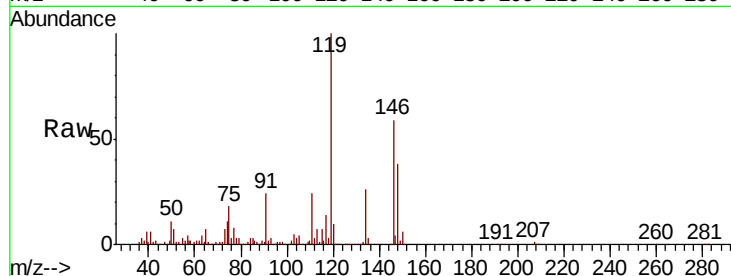
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 157580

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.4	31.9	95.5

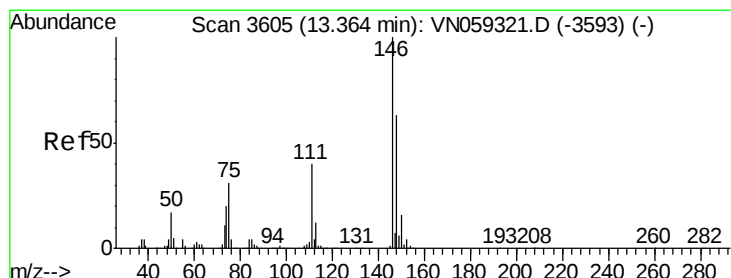
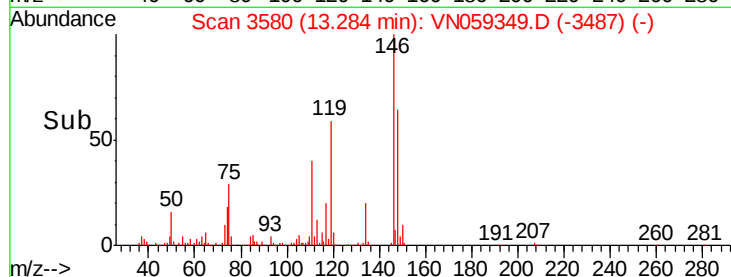
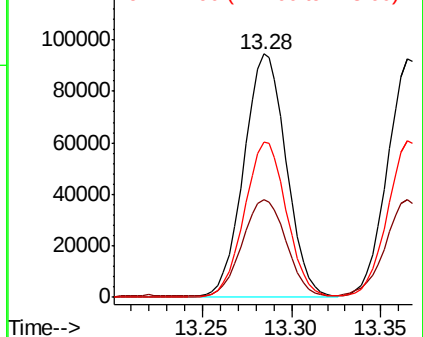


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.489 ug/l

RT: 13.36 min Scan# 3605

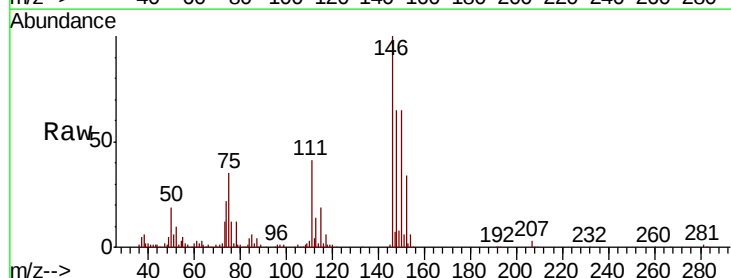
Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:146 Resp: 153548

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	65.7	31.7	95.1

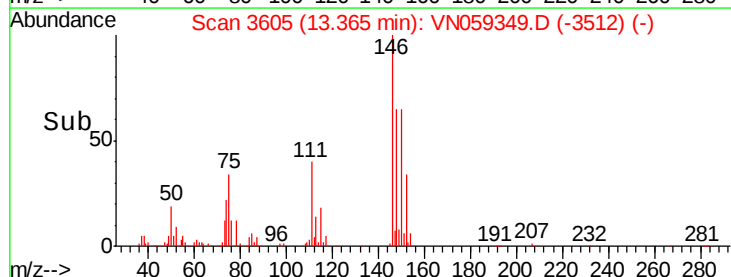
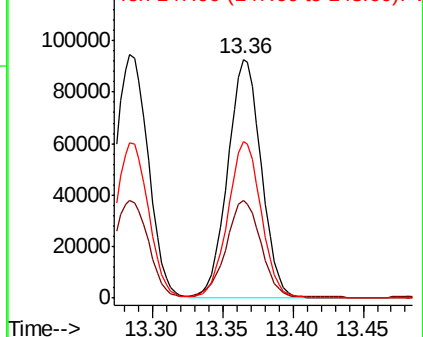


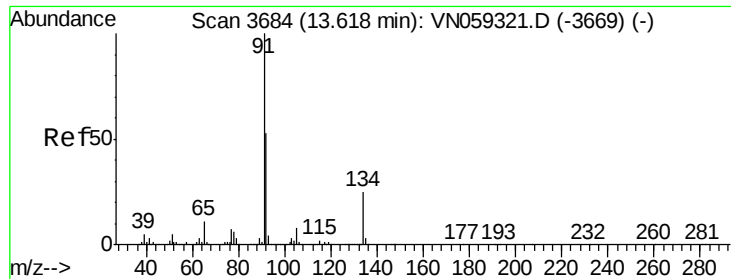
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.752 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampled :

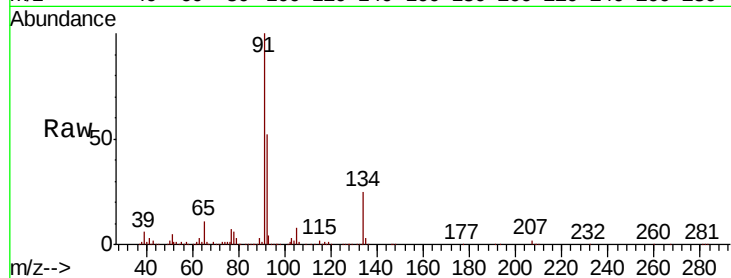
Tot Ion: 91 Resp: 271443

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

134 25.8 12.7 38.1

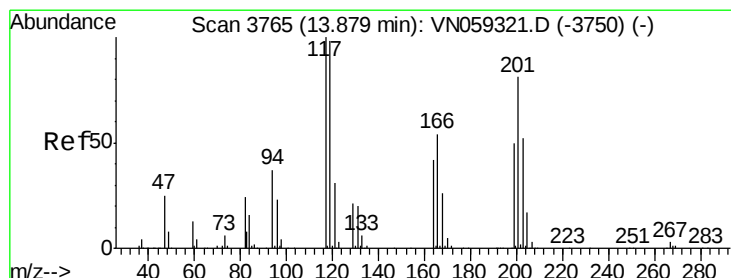
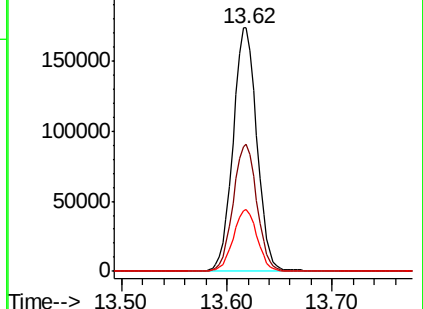
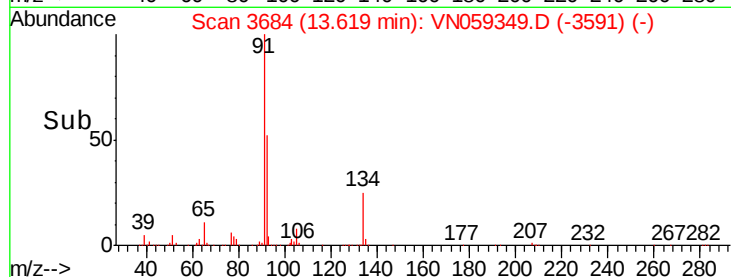


Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059321.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059321.D (-3669) (-)

Time--> 13.50 13.62 13.70



#90

Hexachloroethane

Concen: 18.270 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059349.D

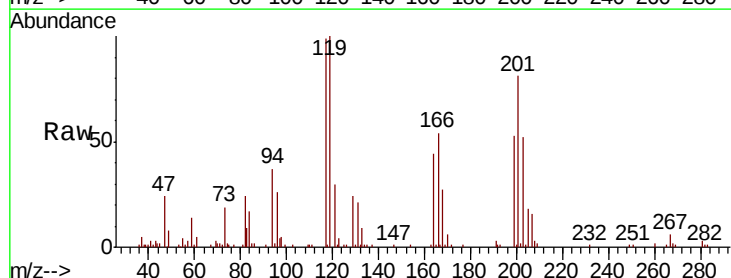
Acq: 21 Nov 2019 20:13

Tgt Ion: 117 Resp: 57093

Ion Ratio Lower Upper

117 100

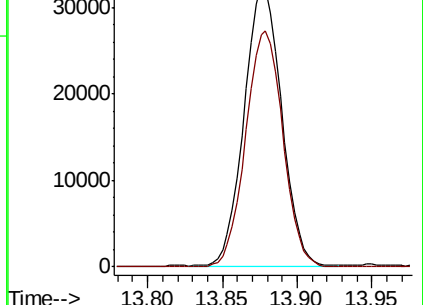
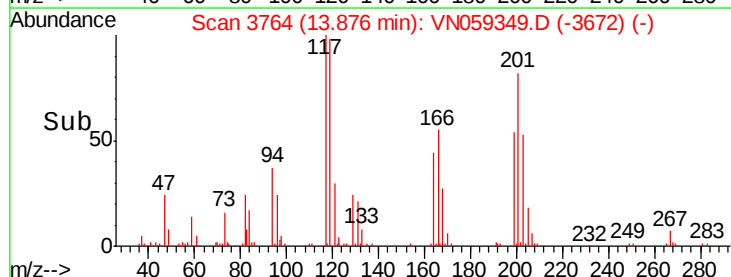
201 82.8 40.4 121.2

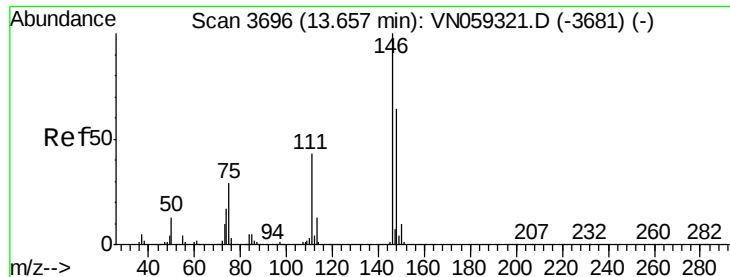


Abundance Ion 116.80 (116.50 to 117.50): VN059321.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059321.D (-3750) (-)

Time--> 13.80 13.88 13.95





#91

1,2-Dichlorobenzene

Concen: 18.975 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059349.D

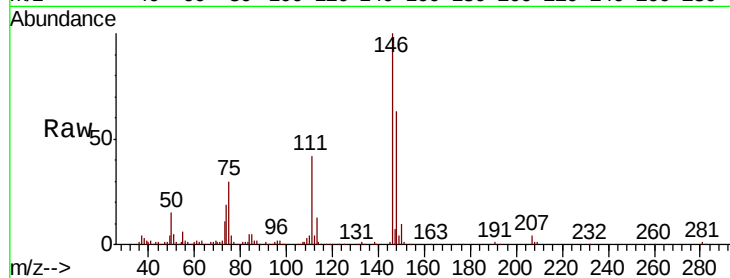
Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	154098
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	63.4	31.9	95.5

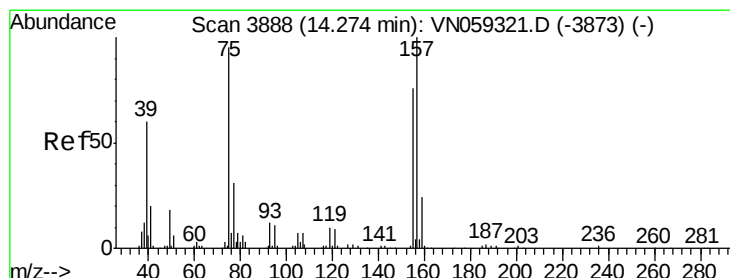
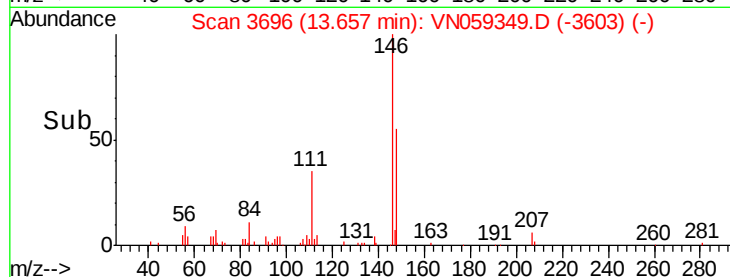
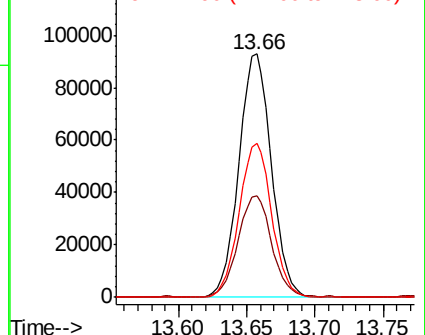


Abundance

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: 17.887 ug/l

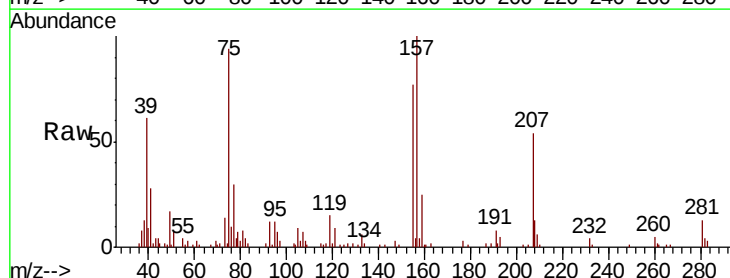
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	75	Resp:	24446
Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.5	121.5
157	104.4	52.7	158.1

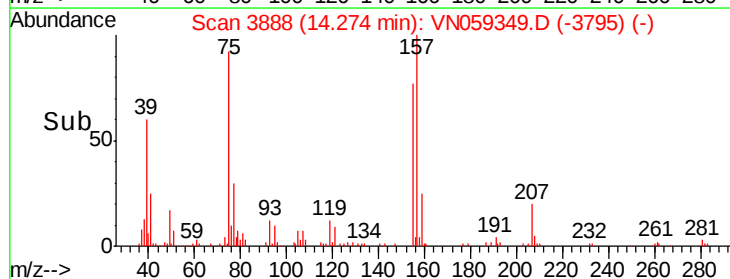
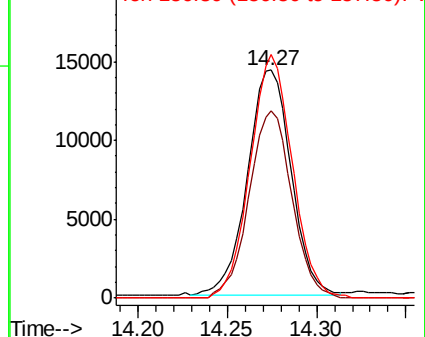


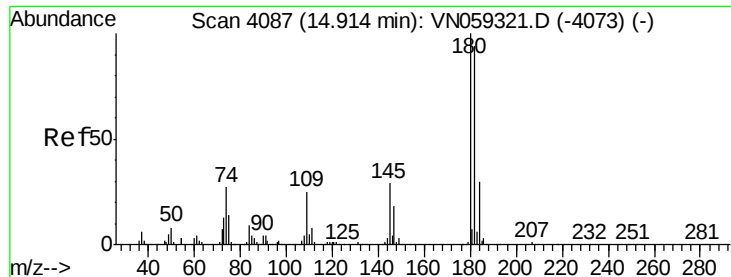
Abundance

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

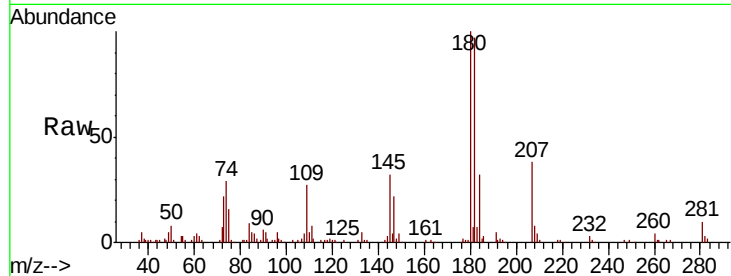




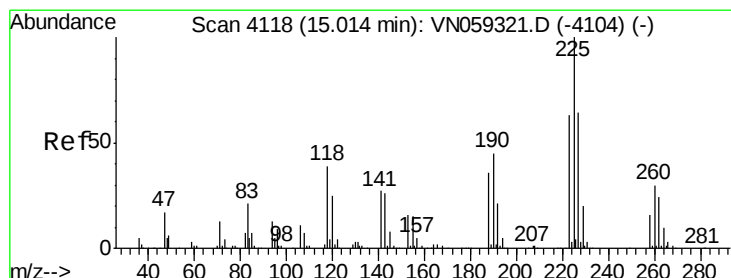
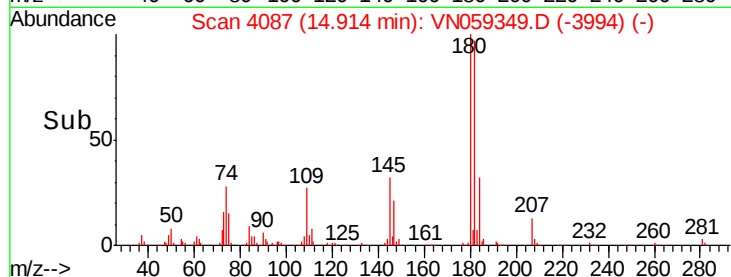
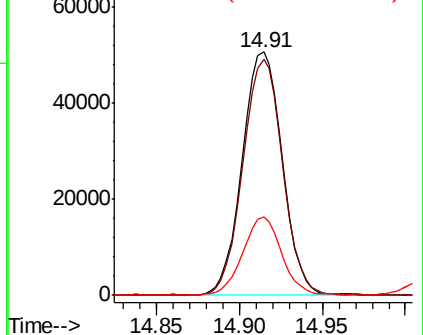
#93
 1,2,4-Trichlorobenzene
 Concen: 18.843 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 85351
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.2 141.6
 145 31.4 14.9 44.5

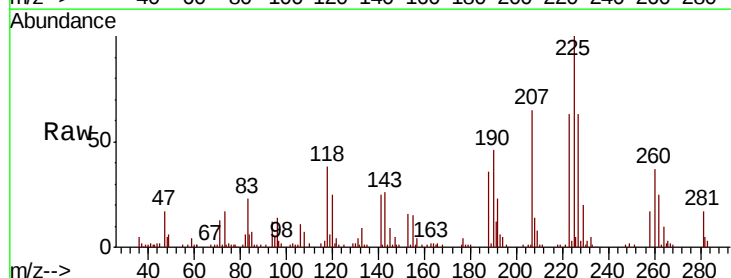


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

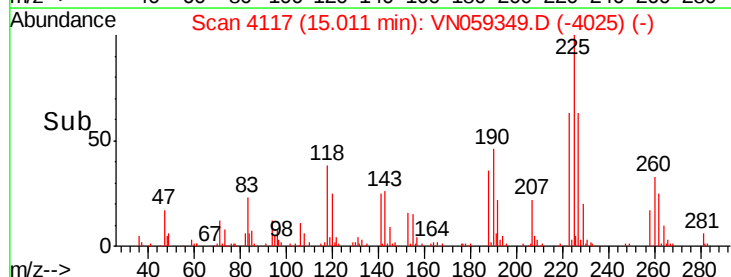
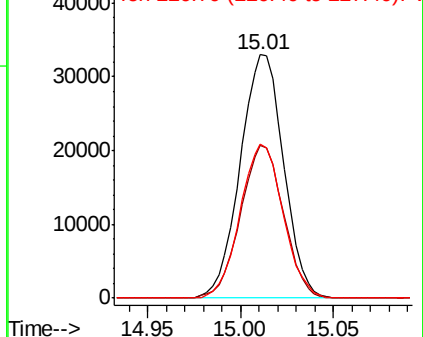


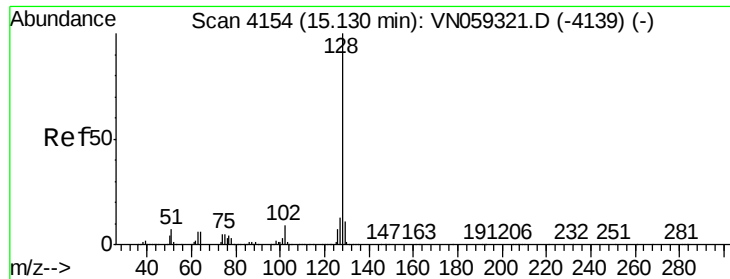
#94
 Hexachlorobutadiene
 Concen: 18.286 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion:225 Resp: 53503
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.6 94.8
 227 62.4 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

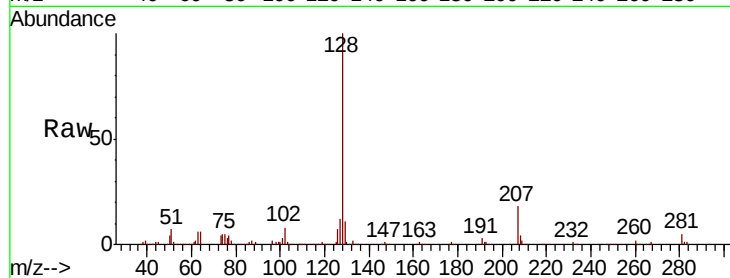




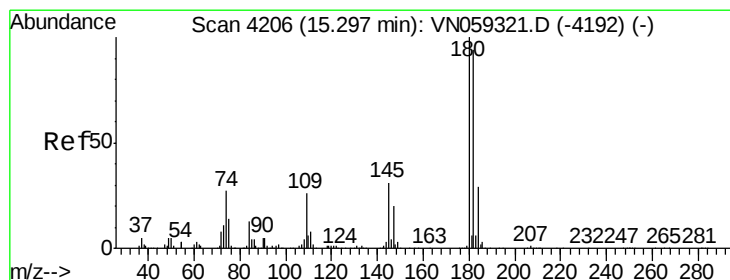
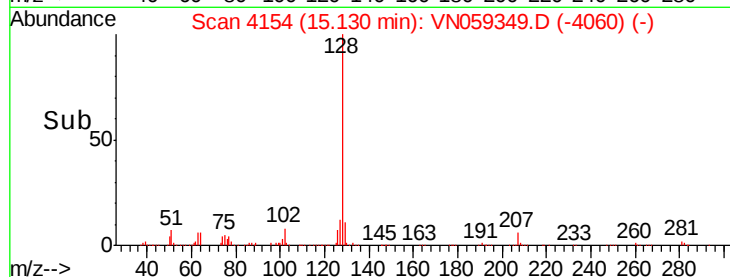
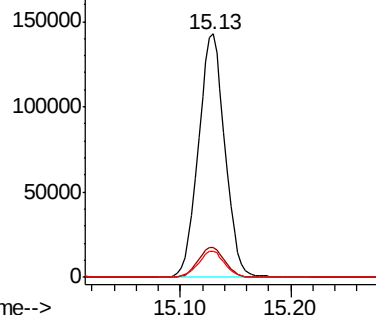
#95
Naphthalene
Concen: 19.040 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	13.0

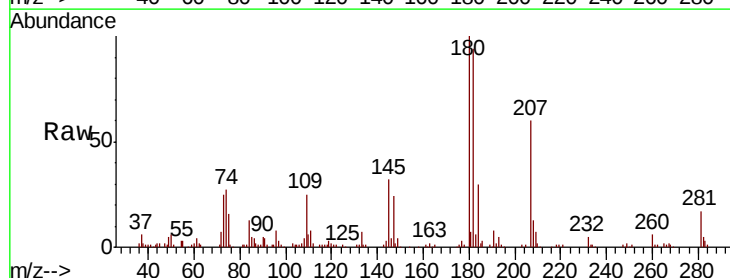


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.950 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.1	141.4
145	31.4	15.6	46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

