

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058973.D
 Acq On : 25 Oct 2019 9:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 23:01:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	361299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	567315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	542371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	267819	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.57	113	196961	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.08	98	768270	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.40	95	287304	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214447	47.605	ug/l	99
3) Chloromethane	2.04	50	263592	47.246	ug/l	99
4) Vinyl Chloride	2.17	62	273395	49.354	ug/l	99
5) Bromomethane	2.53	94	158962	45.825	ug/l	96
6) Chloroethane	2.68	64	169938	47.838	ug/l	99
7) Trichlorofluoromethane	2.99	101	339153	49.481	ug/l	99
8) Diethyl Ether	3.38	74	120414	50.837	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185199	48.739	ug/l	99
10) Methyl Iodide	3.92	142	211634	42.347	ug/l	100
11) Tert butyl alcohol	4.75	59	215678	245.270	ug/l	99
12) 1,1-Dichloroethene	3.71	96	175074	49.154	ug/l	98
13) Acrolein	3.58	56	178449	295.345	ug/l	99
14) Allyl chloride	4.29	41	366530	50.856	ug/l	98
15) Acrylonitrile	4.95	53	584744	264.360	ug/l	99
16) Acetone	3.79	43	721865	275.683	ug/l	99
17) Carbon Disulfide	4.02	76	526451	45.885	ug/l	100
18) Methyl Acetate	4.29	43	302579	50.827	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	656898	52.671	ug/l	98
20) Methylene Chloride	4.52	84	215402	48.177	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	197558	50.225	ug/l	98
22) Diisopropyl ether	5.92	45	760872	53.973	ug/l	97
23) Vinyl Acetate	5.86	43	3199036	282.448	ug/l	100
24) 1,1-Dichloroethane	5.82	63	409211	50.061	ug/l	99
25) 2-Butanone	6.81	43	894061	263.034	ug/l	99
26) 2,2-Dichloropropane	6.80	77	360989	51.056	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	227957	50.732	ug/l	99
28) Bromochloromethane	7.17	49	140039	51.441	ug/l	99
29) Tetrahydrofuran	7.18	42	550633	264.816	ug/l	100
30) Chloroform	7.35	83	405682	49.476	ug/l	99
31) Cyclohexane	7.63	56	361582	47.482	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	345800	50.034	ug/l	99
36) 1,1-Dichloropropene	7.77	75	303658	52.282	ug/l	99
37) Ethyl Acetate	6.90	43	339488	53.643	ug/l	99
38) Carbon Tetrachloride	7.75	117	301840	50.445	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058973.D
 Acq On : 25 Oct 2019 9:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 23:01:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	338556	51.913	ug/l	100
40) Benzene	8.02	78	903406	52.969	ug/l	98
41) Methacrylonitrile	7.18	41	491871	174.506	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	334908	50.976	ug/l	99
43) Isopropyl Acetate	8.15	43	545496	53.745	ug/l	99
44) Trichloroethene	8.82	130	215271	51.814	ug/l	99
45) 1,2-Dichloropropane	9.10	63	251164	53.704	ug/l	100
46) Dibromomethane	9.19	93	152970	51.738	ug/l	99
47) Bromodichloromethane	9.39	83	326521	53.583	ug/l	100
48) Methyl methacrylate	9.18	41	256140	55.623	ug/l	98
49) 1,4-Dioxane	9.19	88	92014	1217.215	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1731568	292.080	ug/l	99
52) Toluene	10.15	92	562201	55.586	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	370499	54.922	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	399349	55.410	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	223406	53.619	ug/l	99
56) Ethyl methacrylate	10.42	69	354050	50.562	ug/l	99
57) 1,3-Dichloropropane	10.70	76	393411	53.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	758741	256.574	ug/l	100
59) 2-Hexanone	10.75	43	1348953	294.463	ug/l	99
60) Dibromochloromethane	10.90	129	245634	54.771	ug/l	98
61) 1,2-Dibromoethane	11.00	107	230388	54.031	ug/l	99
64) Tetrachloroethene	10.63	164	195982	51.596	ug/l	98
65) Chlorobenzene	11.43	112	585646	53.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221307	53.112	ug/l	99
67) Ethyl Benzene	11.51	91	1087054	56.120	ug/l	98
68) m/p-Xylenes	11.62	106	807919	112.471	ug/l	100
69) o-Xylene	11.95	106	380471	55.535	ug/l	99
70) Styrene	11.96	104	647081	51.129	ug/l	99
71) Bromoform	12.13	173	175950	54.455	ug/l #	99
73) Isopropylbenzene	12.25	105	1043391	53.083	ug/l	99
74) N-amyl acetate	12.07	43	480795	53.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	345476	49.986	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	471431	75.630	ug/l #	100
77) Bromobenzene	12.53	156	251761	51.965	ug/l	98
78) n-propylbenzene	12.59	91	1274054	54.836	ug/l	99
79) 2-Chlorotoluene	12.68	91	742095	52.186	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	900967	54.556	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	124743	52.133	ug/l	97
82) 4-Chlorotoluene	12.78	91	774437	53.292	ug/l	100
83) tert-Butylbenzene	13.00	119	742453	52.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	910412	55.891	ug/l	99
85) sec-Butylbenzene	13.17	105	1030243	54.718	ug/l	99
86) p-Isopropyltoluene	13.29	119	937280	56.418	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	461856	53.314	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	456425	52.625	ug/l	99
89) n-Butylbenzene	13.62	91	848884	55.624	ug/l	99
90) Hexachloroethane	13.88	117	171013	50.800	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	450469	52.906	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72847	46.601	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
Data File : VN058973.D
Acq On : 25 Oct 2019 9:08
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 25 23:01:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

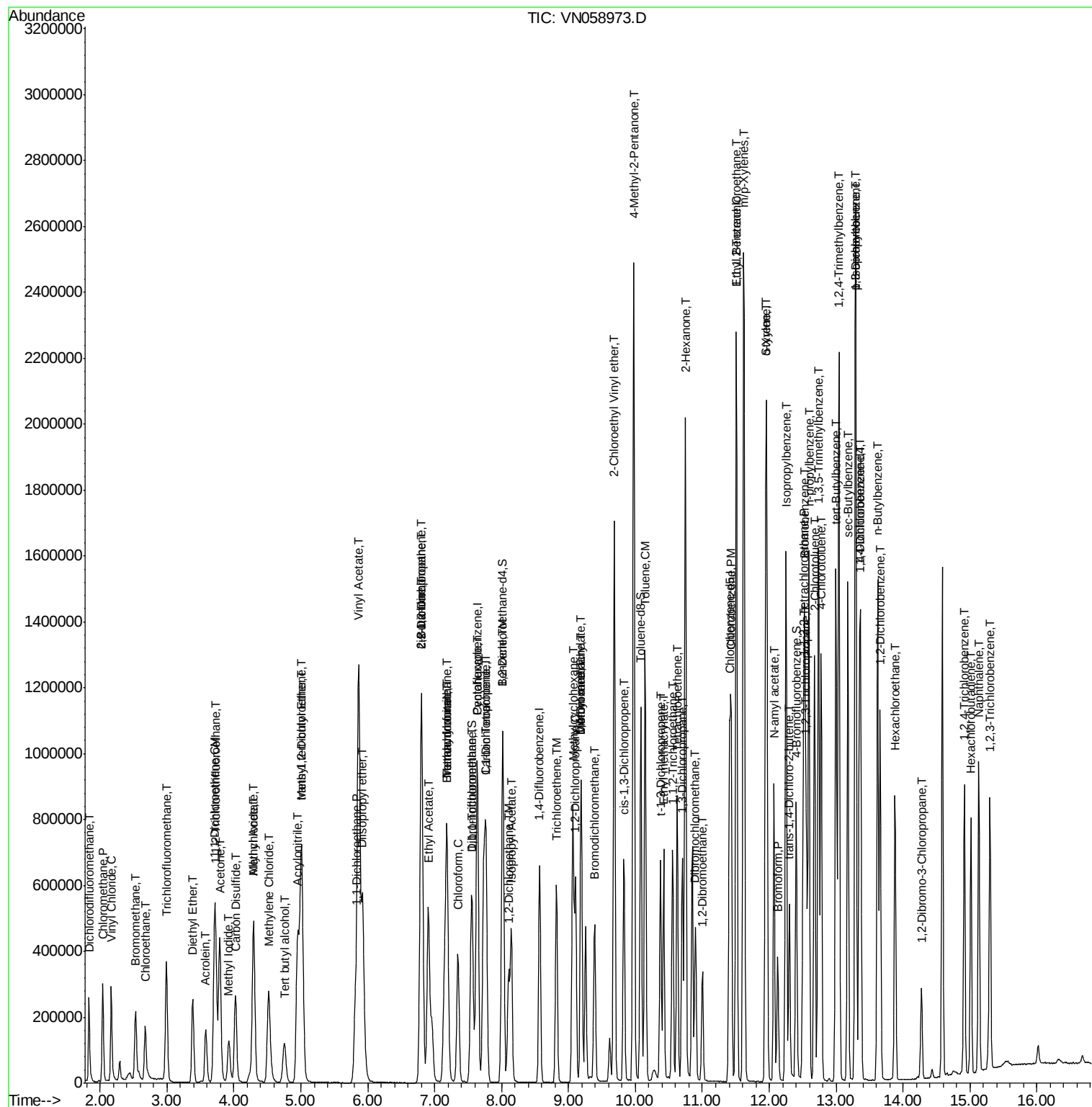
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	270302	50.407	ug/l	99
94) Hexachlorobutadiene	15.01	225	142120	51.498	ug/l	98
95) Naphthalene	15.13	128	746237	48.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	259867	49.810	ug/l	100

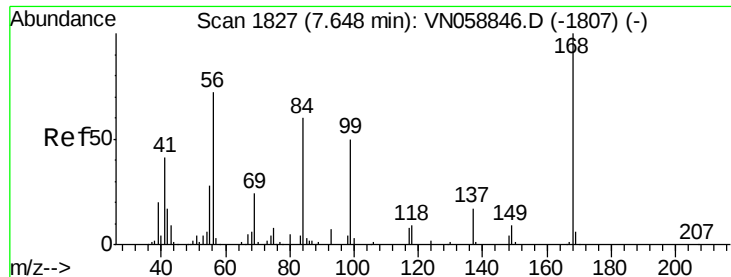
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102619\
Data File : VN058973.D
Acq On : 25 Oct 2019 9:08
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Oct 25 23:01:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

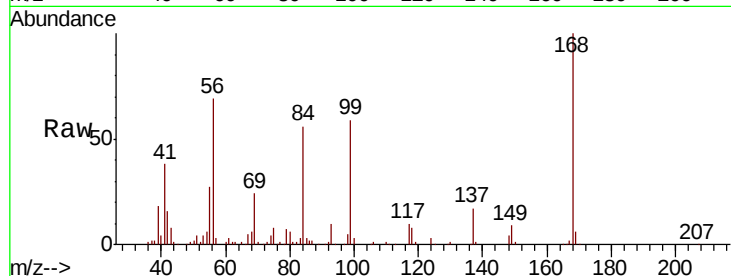
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 361299

Ion Ratio Lower Upper

168 100

99 58.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

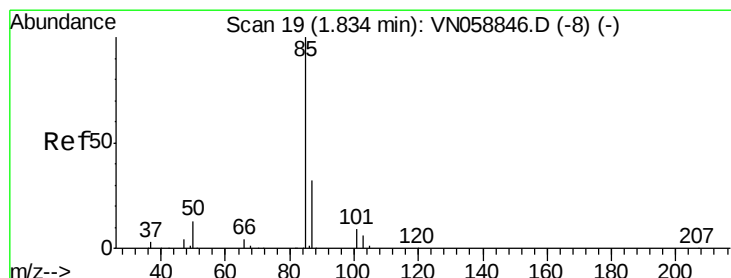
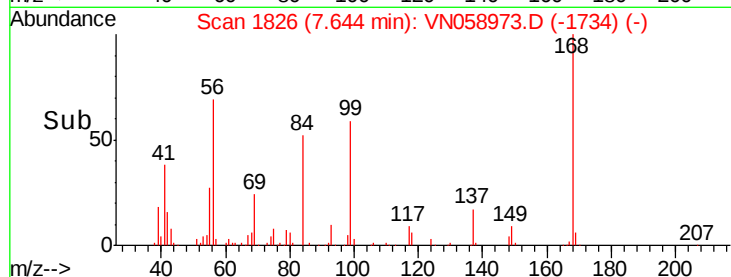
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 47.605 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058973.D

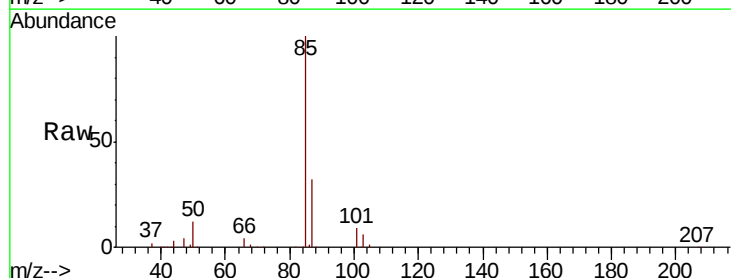
Acq: 25 Oct 2019 9:08

Tgt Ion: 85 Resp: 214447

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

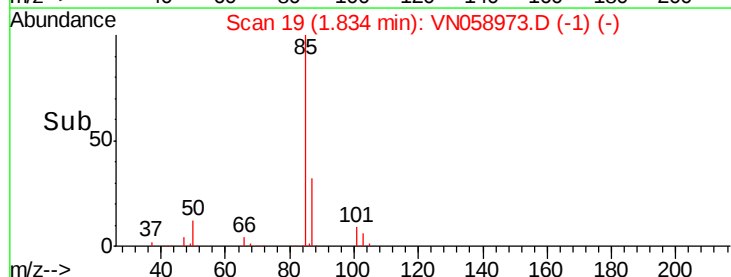
100000

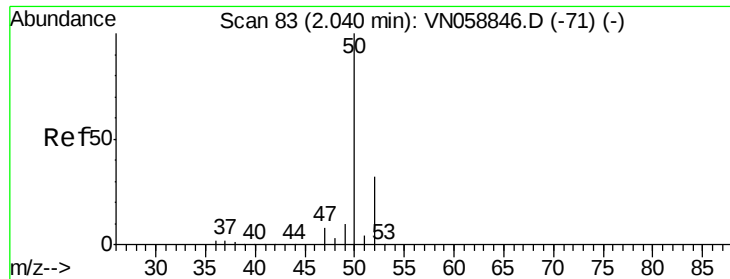
50000

0

1.80 1.90 2.00

Time-->

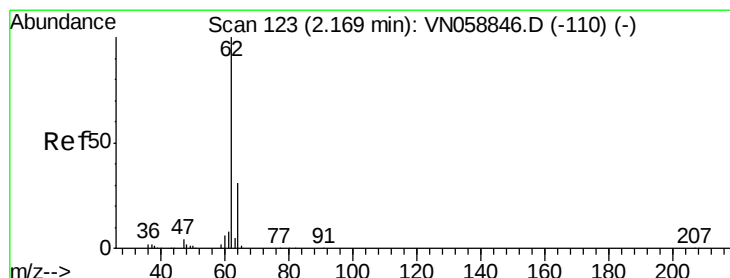
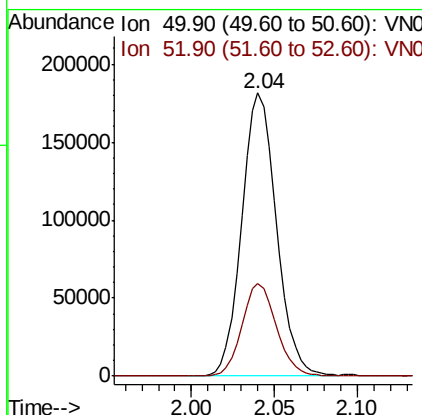
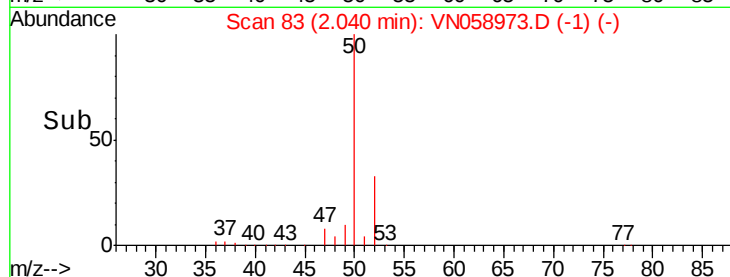
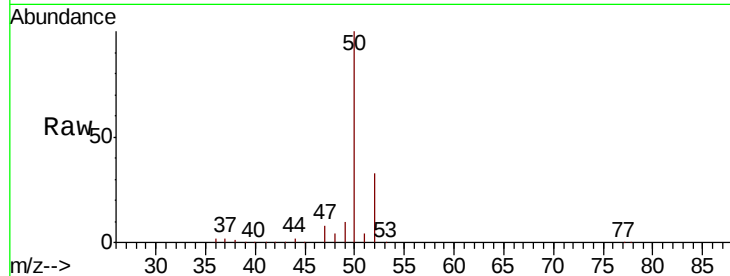




#3
Chloromethane
Concen: 47.246 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

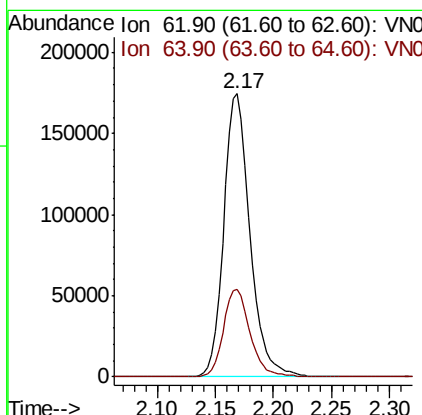
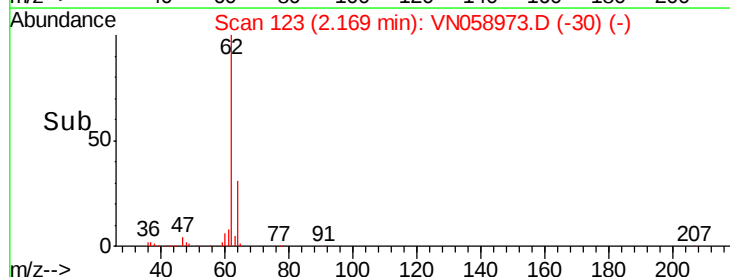
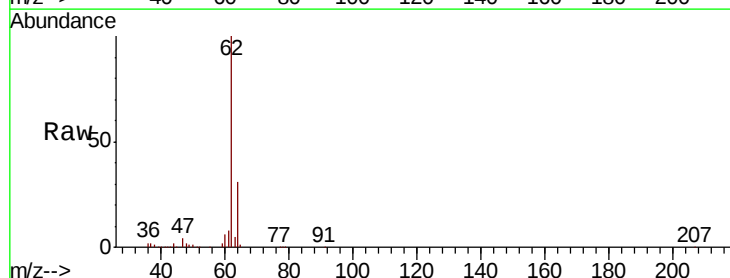
Instrument :
MSVOA_N
ClientSampled :

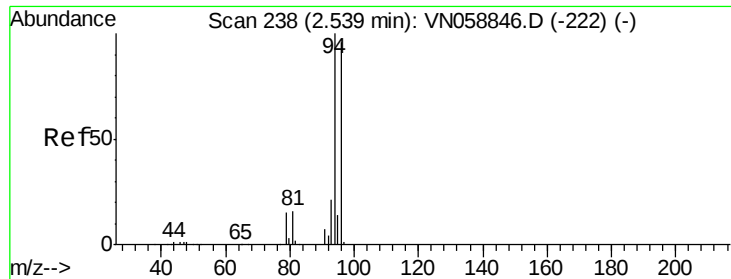
Tot Ion: 50 Resp: 263592
Ion Ratio Lower Upper
50 100
52 32.9 25.7 38.5



#4
Vinyl Chloride
Concen: 49.354 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 62 Resp: 273395
Ion Ratio Lower Upper
62 100
64 31.1 24.6 36.8





#5

Bromomethane

Concen: 45.825 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

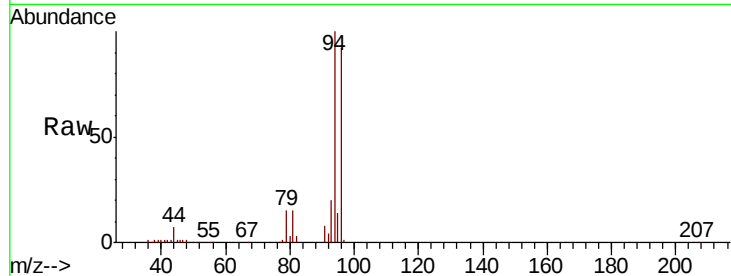
ClientSampleId :

Tot Ion: 94 Resp: 158962

Ion Ratio Lower Upper

94 100

96 92.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN058846.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN058846.D (-222) (-)

2.53

80000

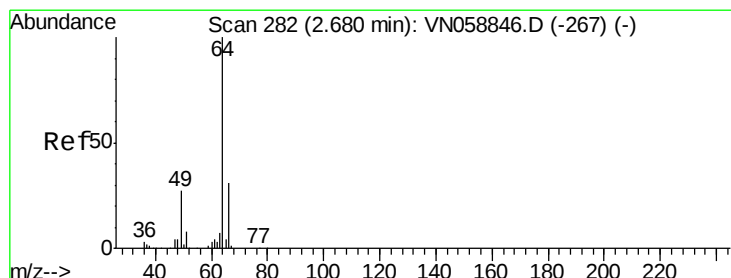
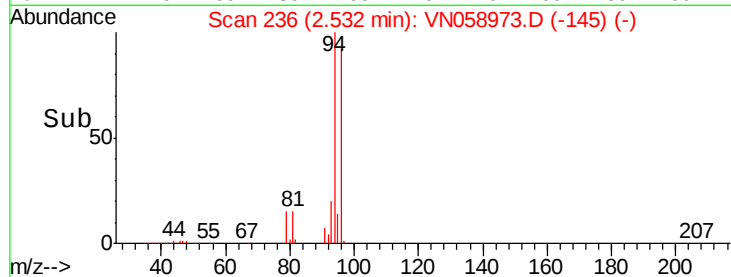
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.838 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN058973.D

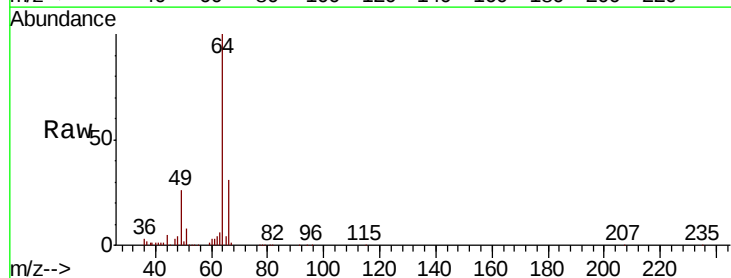
Acq: 25 Oct 2019 9:08

Tgt Ion: 64 Resp: 169938

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN058846.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058846.D (-267) (-)

2.68

80000

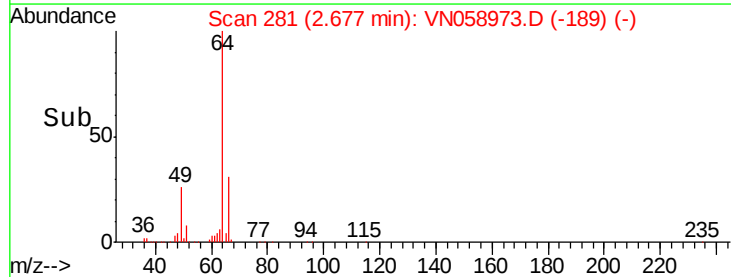
60000

40000

20000

0

Time-->



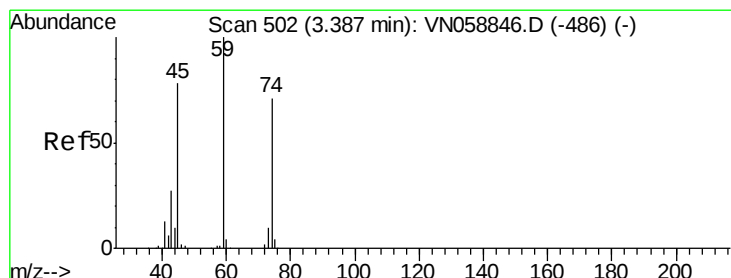
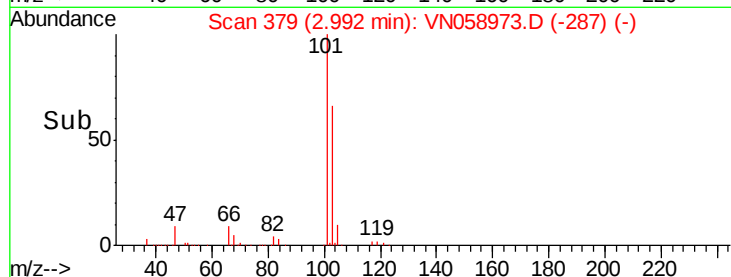
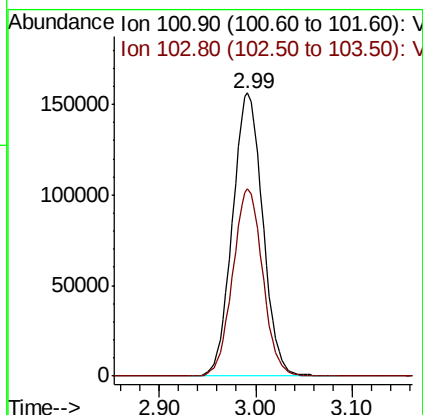
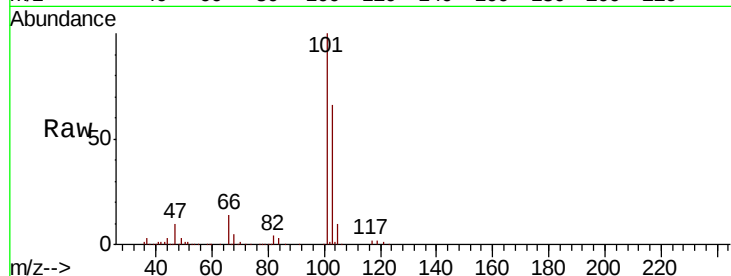


#7

Trichlorofluoromethane
 Concen: 49.481 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :

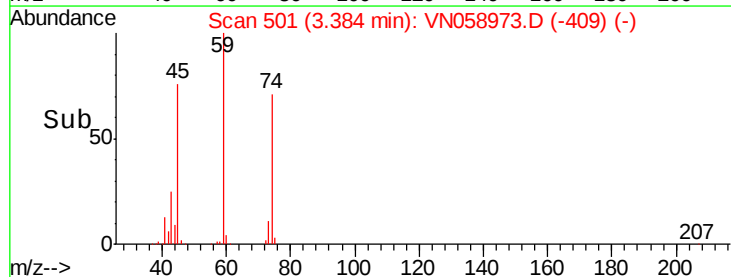
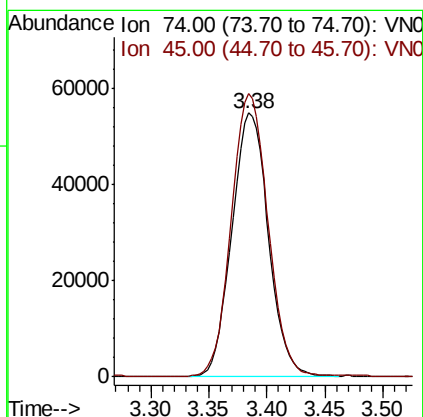
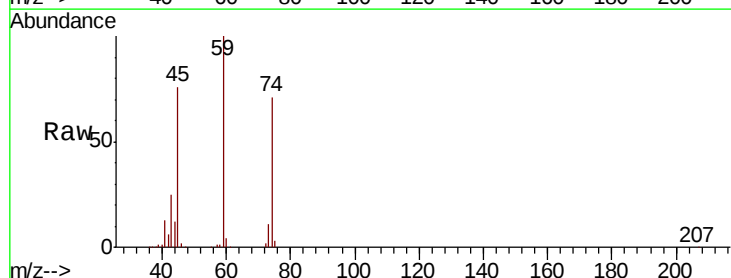
Tot Ion:101 Resp: 339153
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.2 78.2

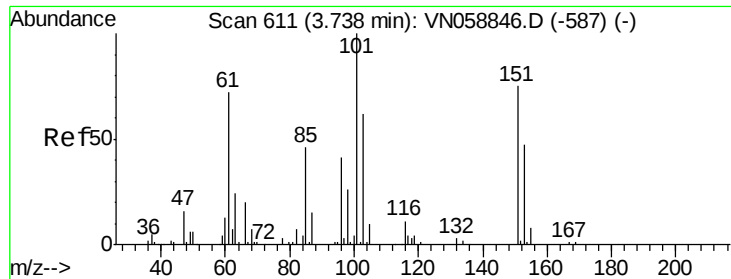


#8

Diethyl Ether
 Concen: 50.837 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion: 74 Resp: 120414
 Ion Ratio Lower Upper
 74 100
 45 107.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.739 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

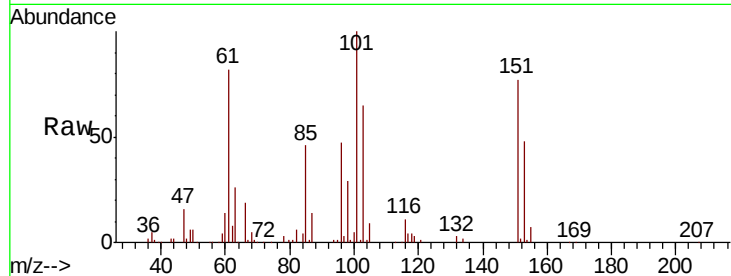
Tot Ion:101 Resp: 185199

Ion Ratio Lower Upper

101 100

85 45.8 37.2 55.8

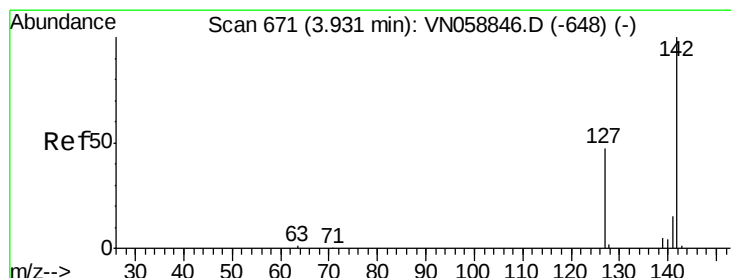
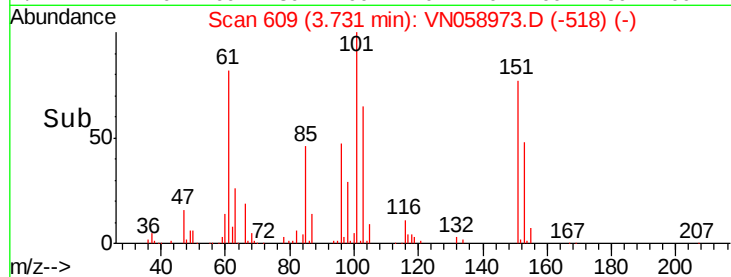
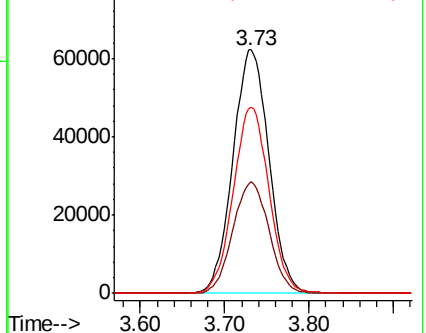
151 75.8 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.347 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

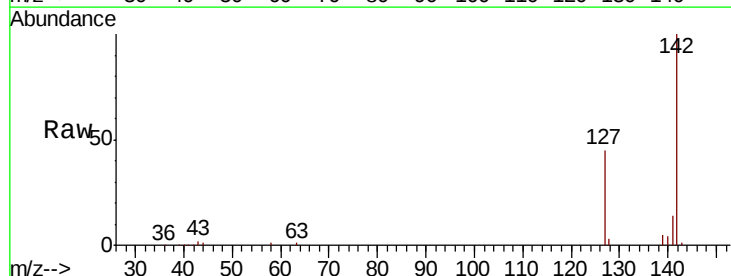
Tgt Ion:142 Resp: 211634

Ion Ratio Lower Upper

142 100

127 45.8 36.6 54.8

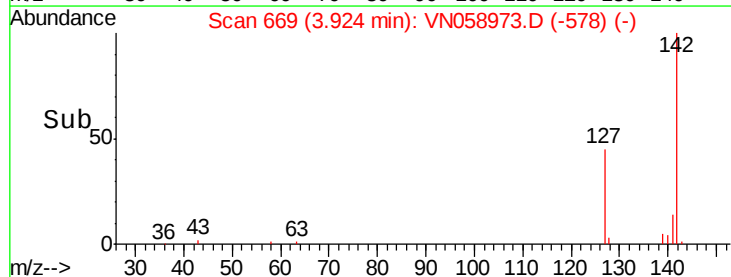
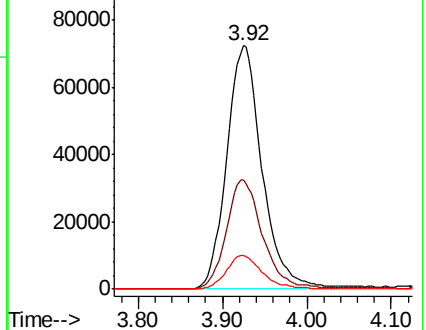
141 14.0 11.4 17.2

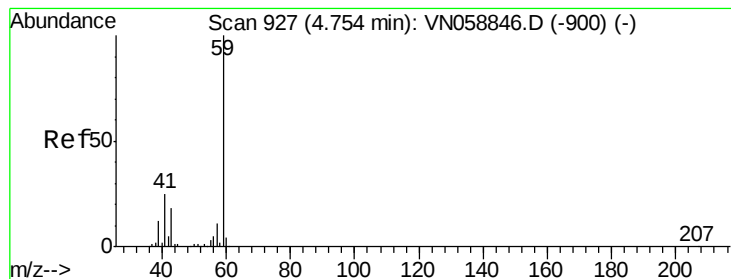


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



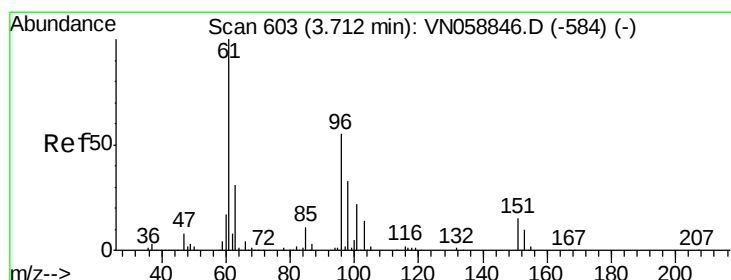
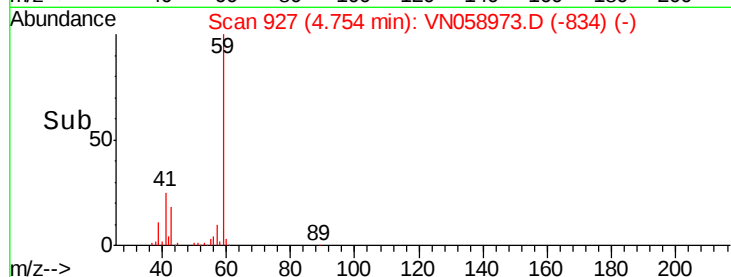
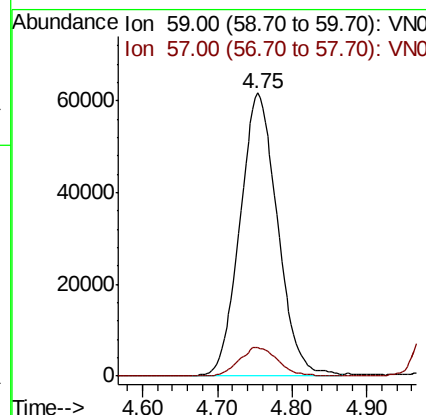
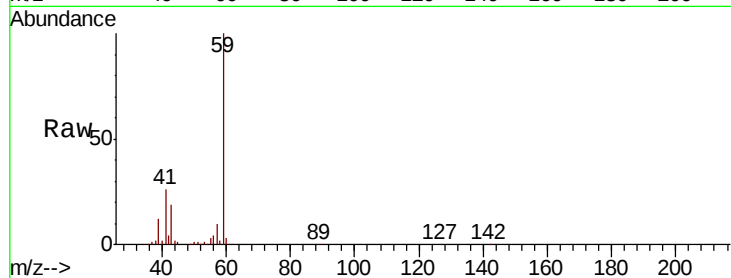


#11

Tert butyl alcohol
 Concen: 245.270 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :

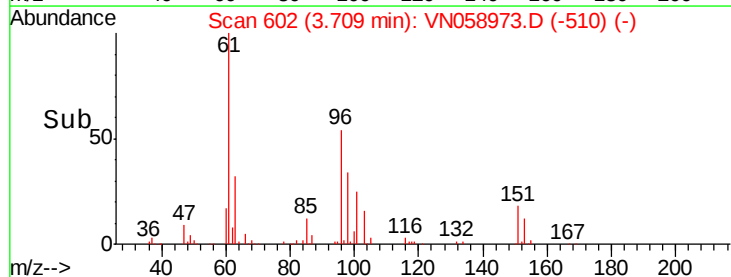
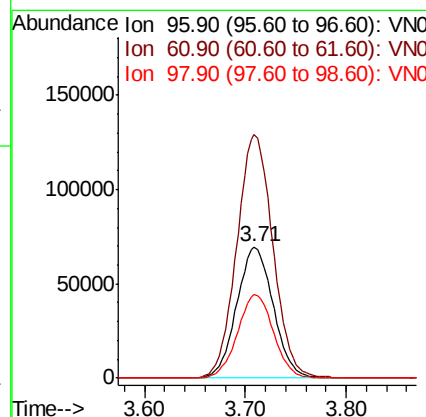
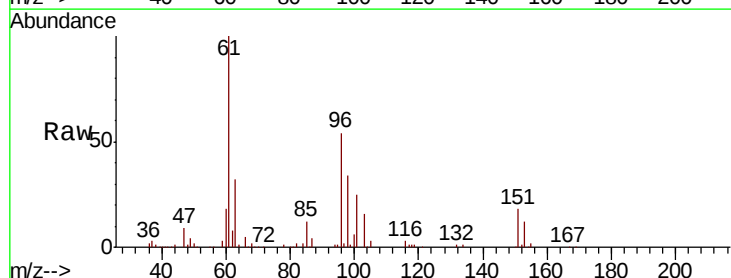
Tot Ion: 59 Resp: 215678
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 12.8

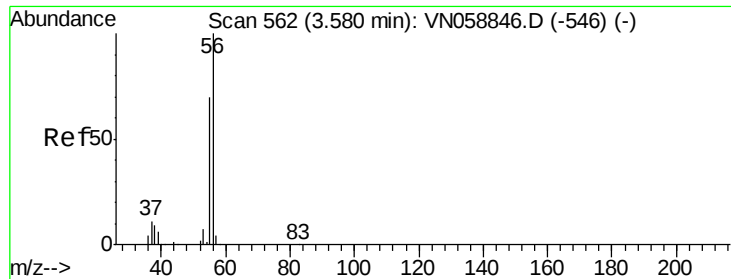


#12

1,1-Dichloroethene
 Concen: 49.154 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion: 96 Resp: 175074
 Ion Ratio Lower Upper
 96 100
 61 185.2 146.2 219.2
 98 63.3 48.7 73.1





#13

Acrolein

Concen: 295.345 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

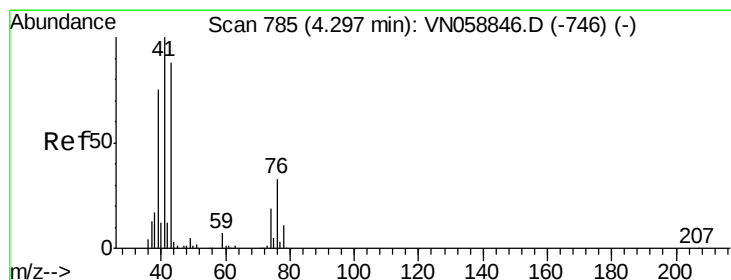
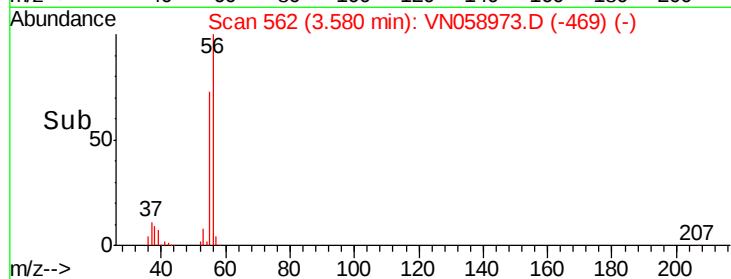
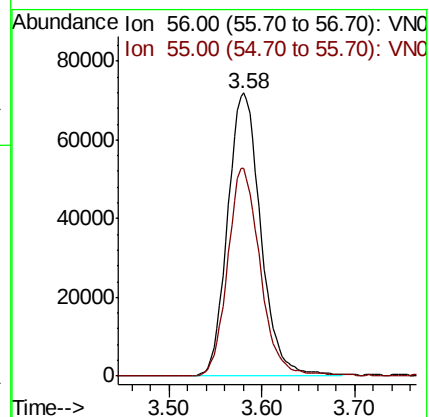
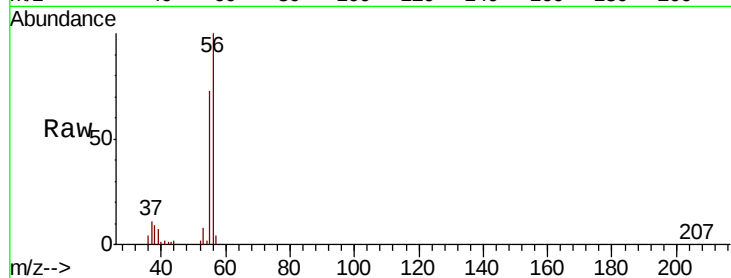
ClientSampleId :

Tot Ion: 56 Resp: 178449

Ion Ratio Lower Upper

56 100

55 72.0 56.6 85.0



#14

Allyl chloride

Concen: 50.856 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

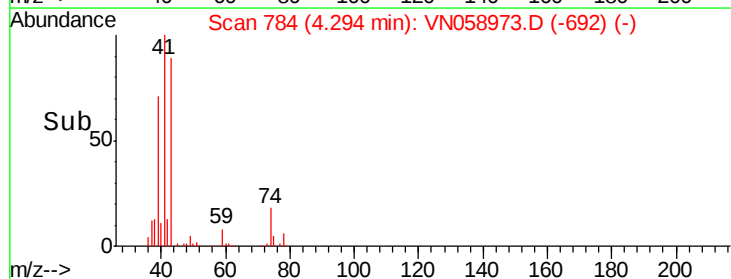
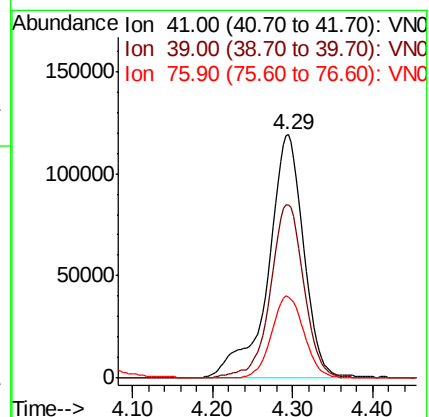
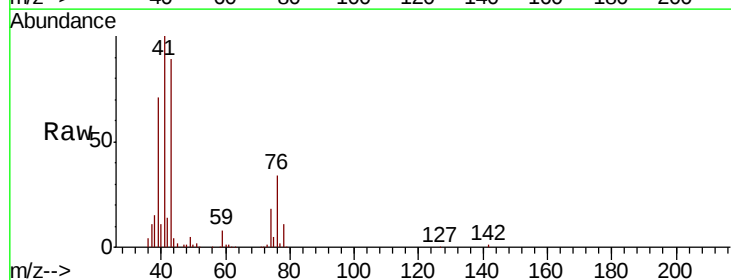
Tgt Ion: 41 Resp: 366530

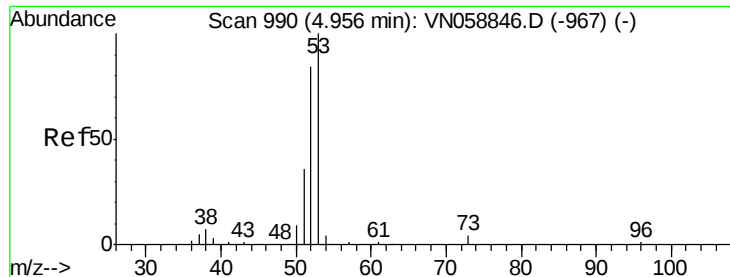
Ion Ratio Lower Upper

41 100

39 67.7 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 264.360 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

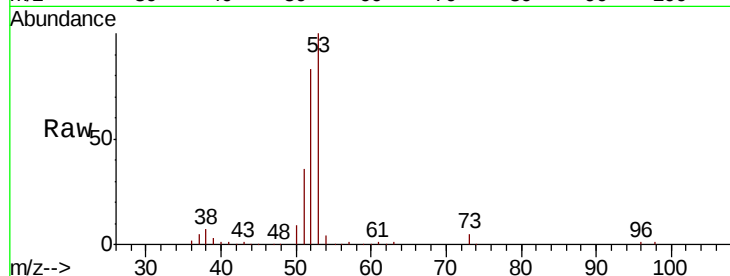
Tot Ion: 53 Resp: 584744

Ion Ratio Lower Upper

53 100

52 81.9 66.6 99.8

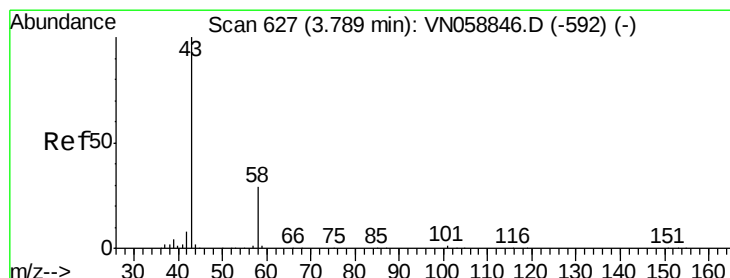
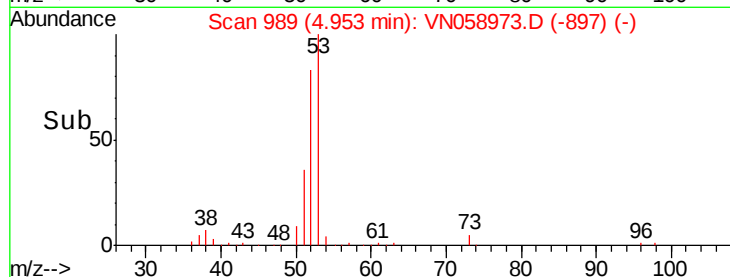
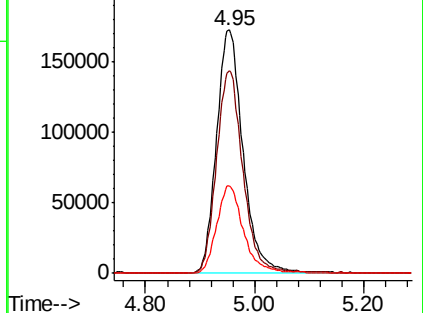
51 36.2 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 275.683 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058973.D

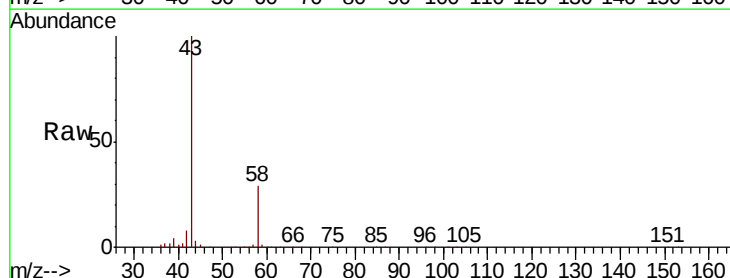
Acq: 25 Oct 2019 9:08

Tgt Ion: 43 Resp: 721865

Ion Ratio Lower Upper

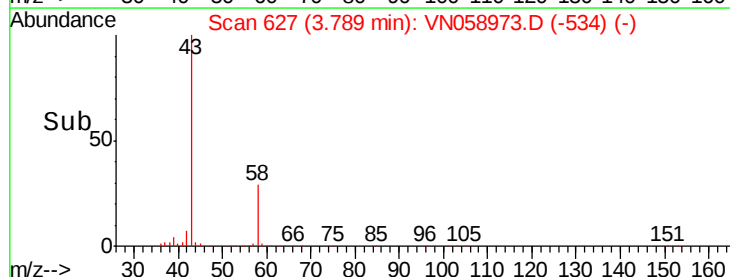
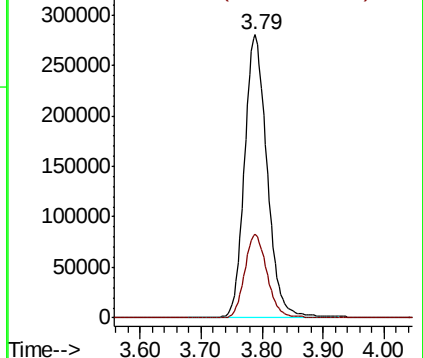
43 100

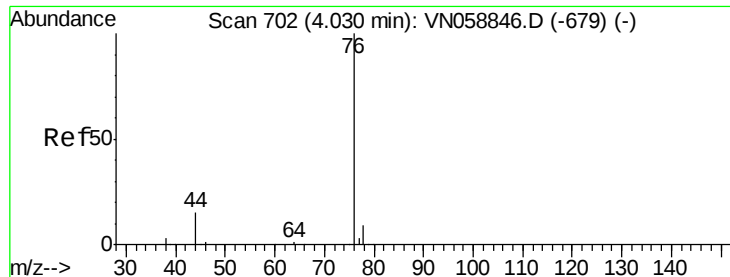
58 29.4 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

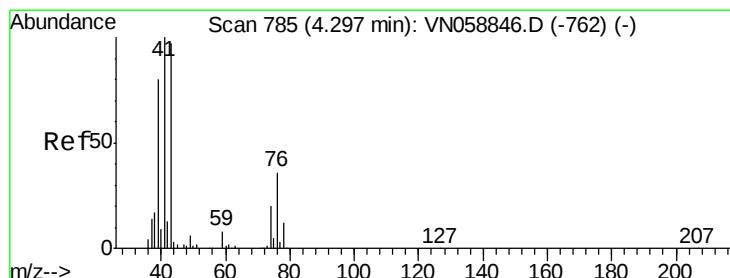
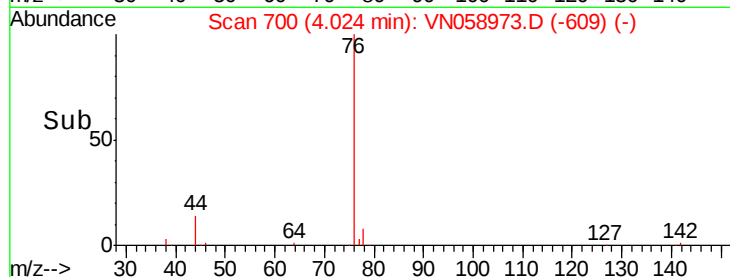
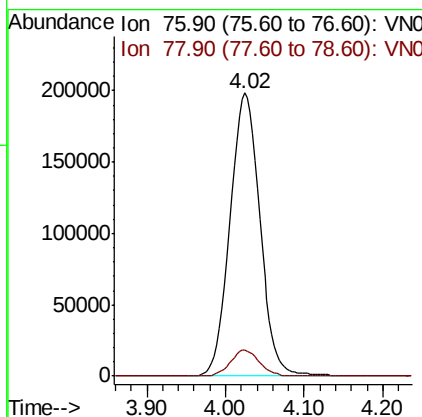
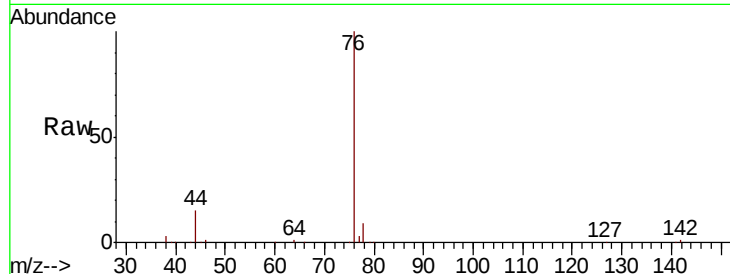




#17
Carbon Disulfide
Concen: 45.885 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

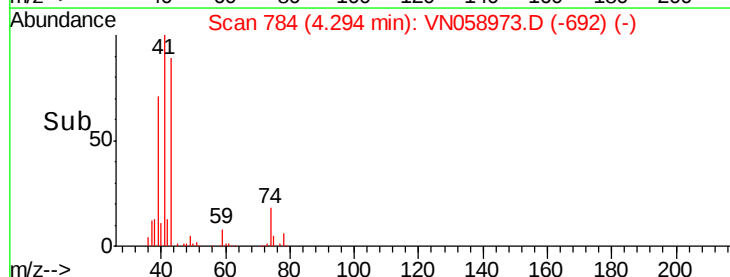
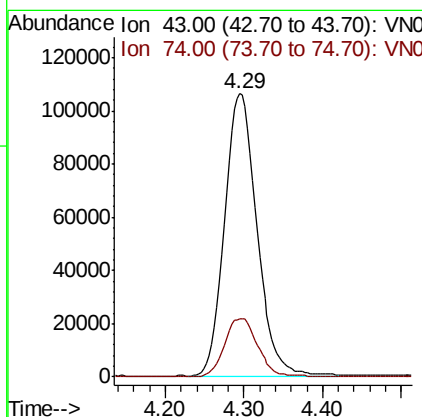
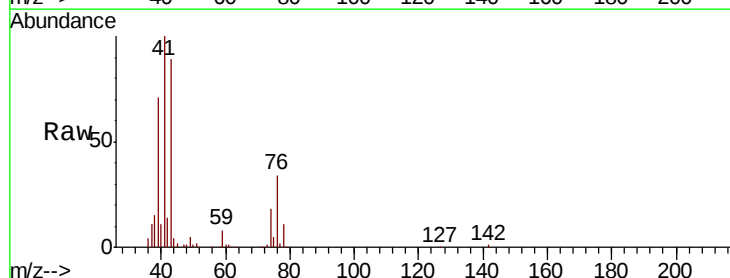
Instrument :
MSVOA_N
ClientSampled :

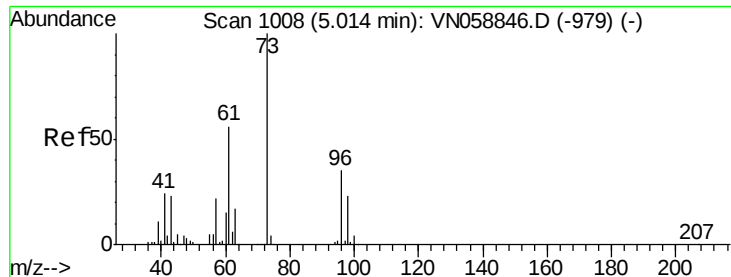
Tot Ion: 76 Resp: 526451
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 50.827 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 43 Resp: 302579
Ion Ratio Lower Upper
43 100
74 21.5 17.1 25.7

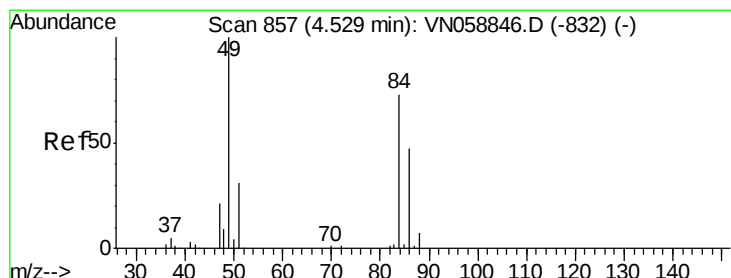
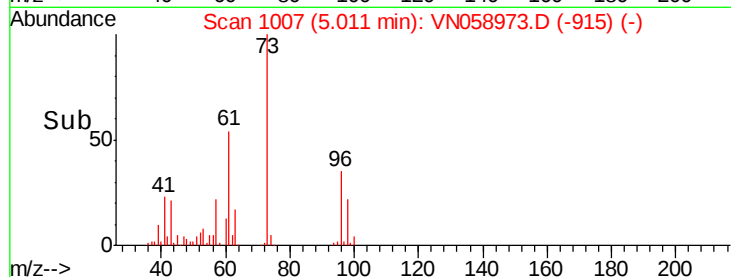
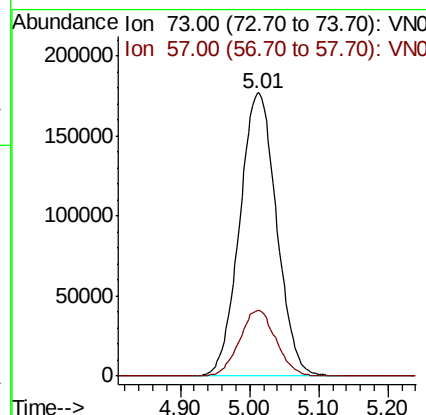
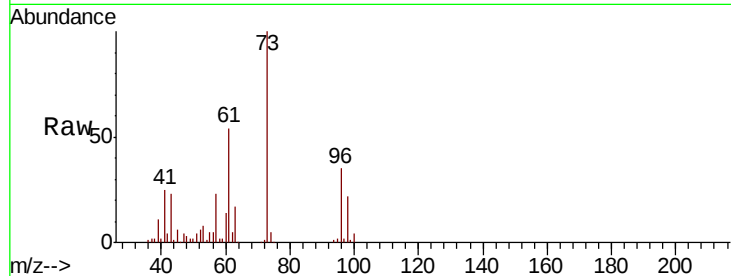




#19
Methvl tert-butvl Ether
Concen: 52.671 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

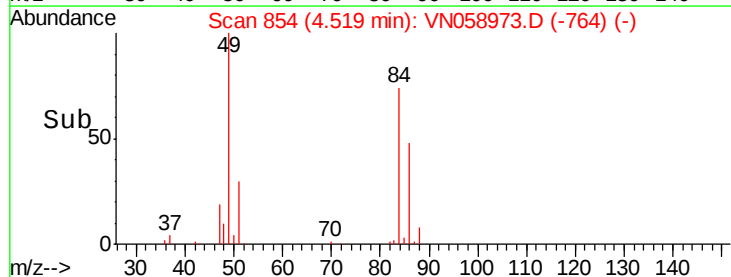
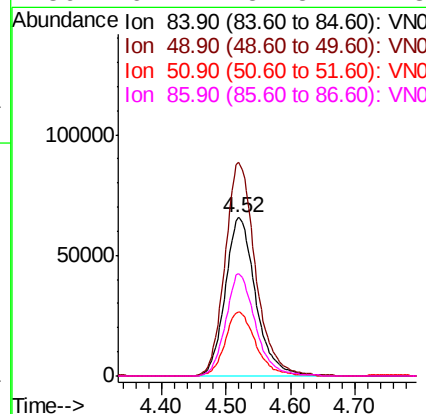
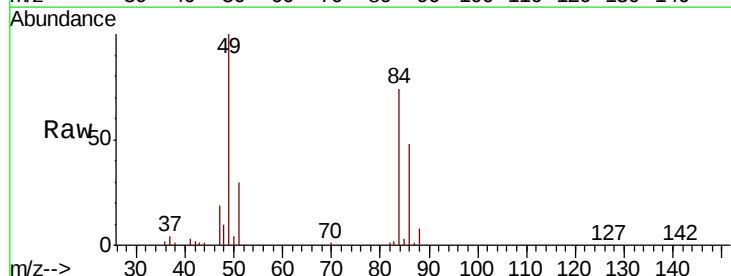
Instrument :
MSVOA_N
ClientSampleId :

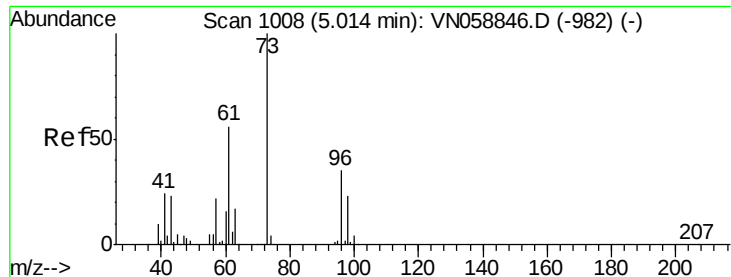
Tot Ion: 73 Resp: 656898
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 48.177 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 84 Resp: 215402
Ion Ratio Lower Upper
84 100
49 134.8 109.6 164.4
51 40.3 33.8 50.6
86 64.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 50.225 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampled :

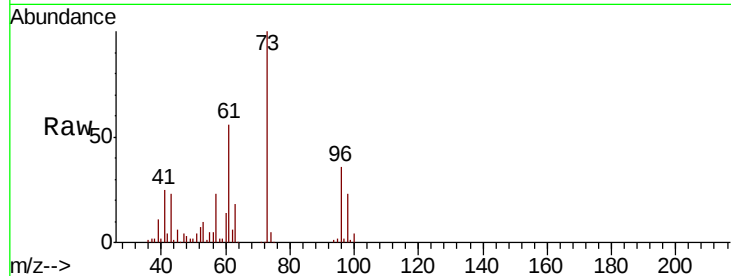
Tot Ion: 96 Resp: 197558

Ion Ratio Lower Upper

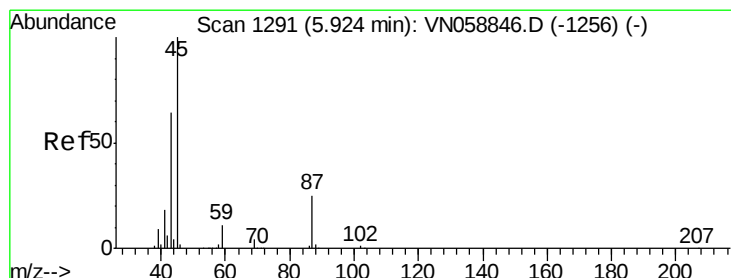
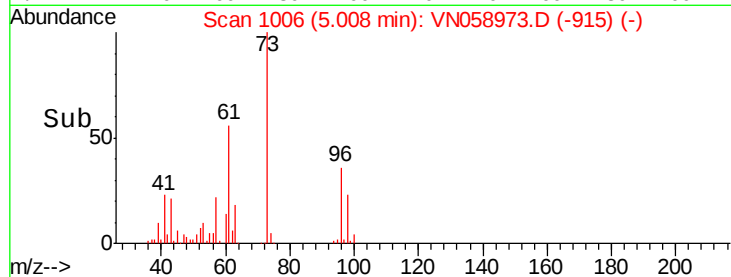
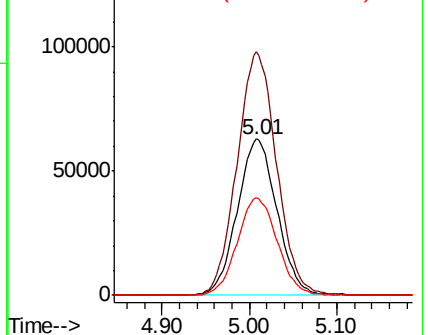
96 100

61 155.7 126.7 190.1

98 62.5 52.0 78.0



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



#22

Diisopropyl ether

Concen: 53.973 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion: 45 Resp: 760872

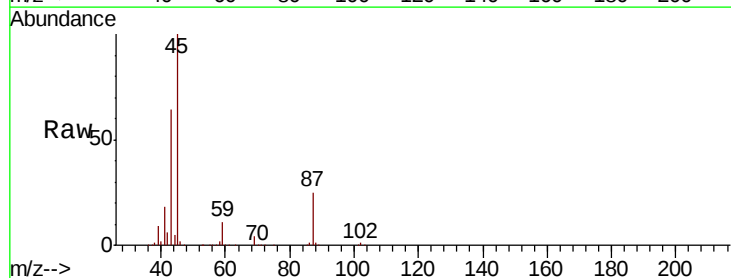
Ion Ratio Lower Upper

45 100

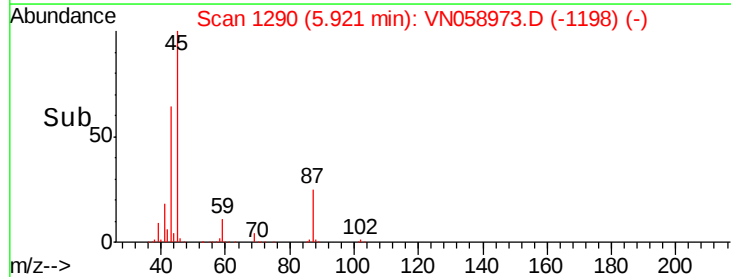
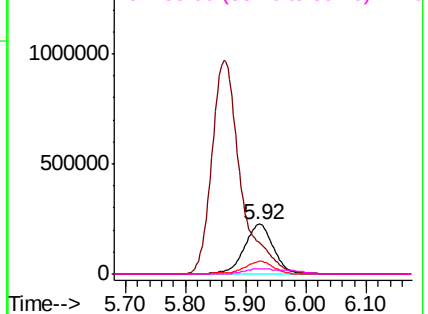
43 63.2 52.9 79.3

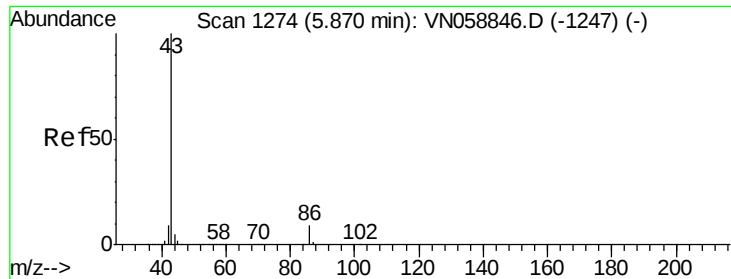
87 24.6 20.2 30.4

59 11.0 8.8 13.2



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





#23

Vinyl Acetate

Concen: 282.448 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

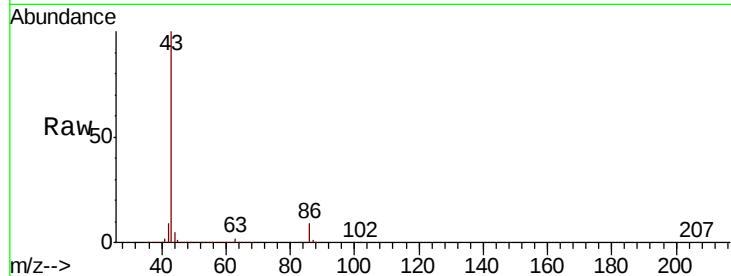
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3199036

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN058846.D (-1247) (-)

5.86

1000000

800000

600000

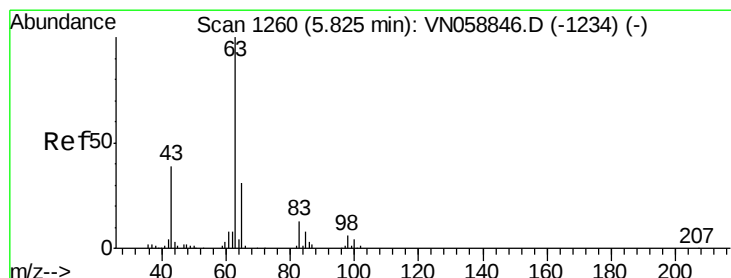
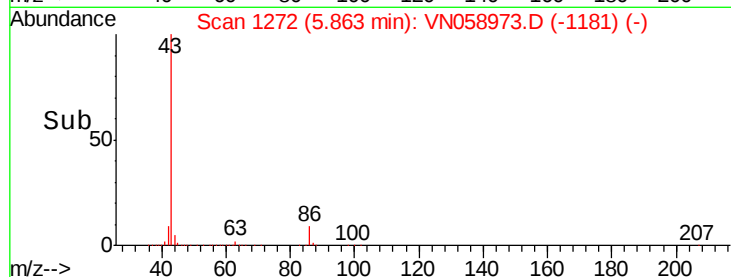
400000

200000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.061 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

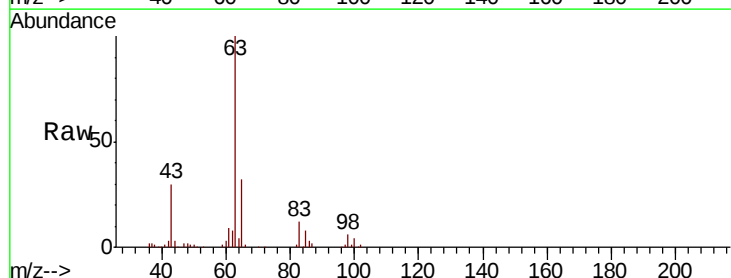
Tgt Ion: 63 Resp: 409211

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058846.D (-1234) (-)

5.82

150000

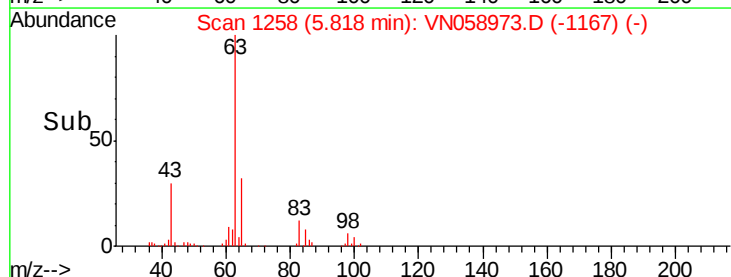
100000

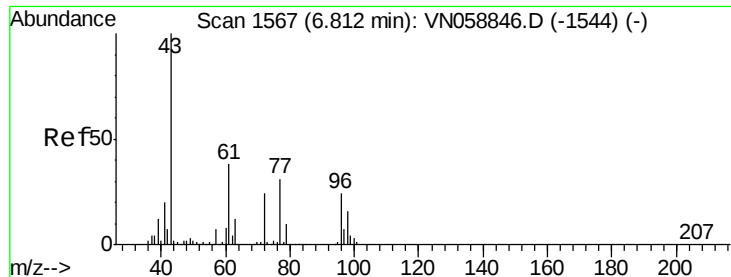
50000

0

5.70 5.80 5.90

Time-->

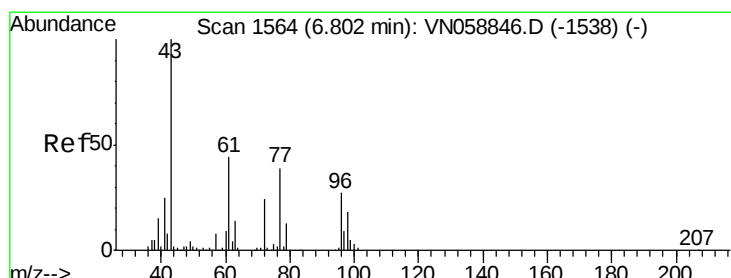
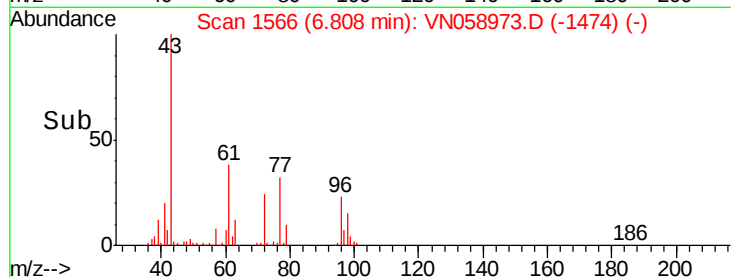
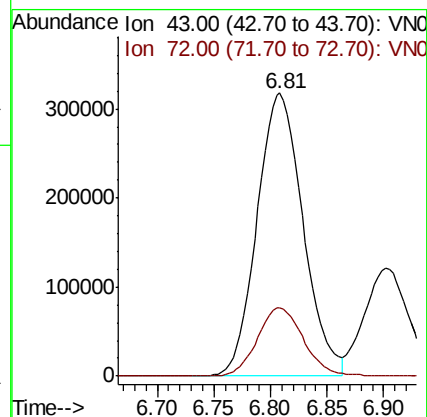
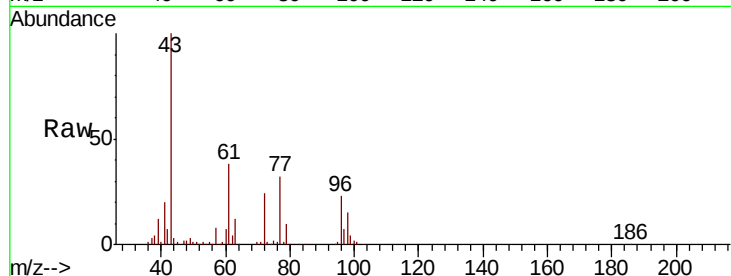




#25
2-Butanone
Concen: 263.034 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

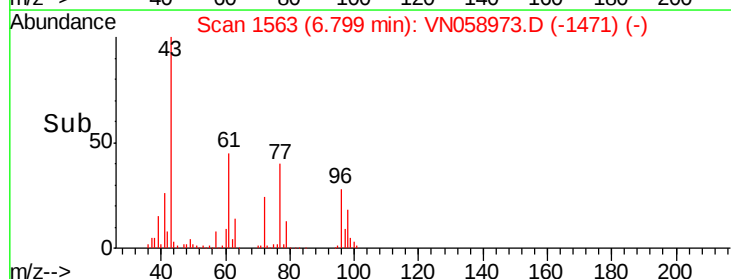
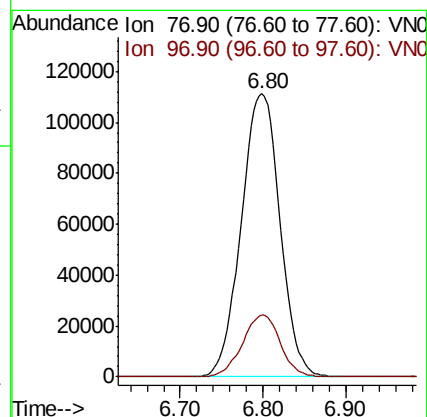
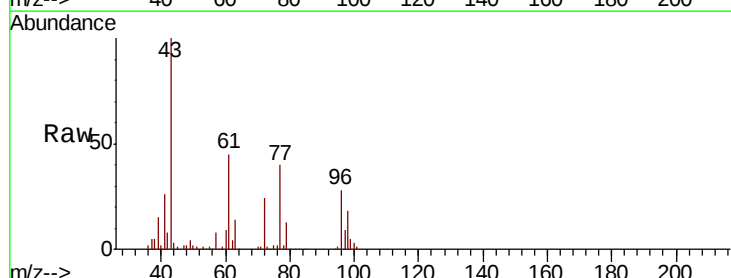
Instrument :
MSVOA_N
ClientSampled :

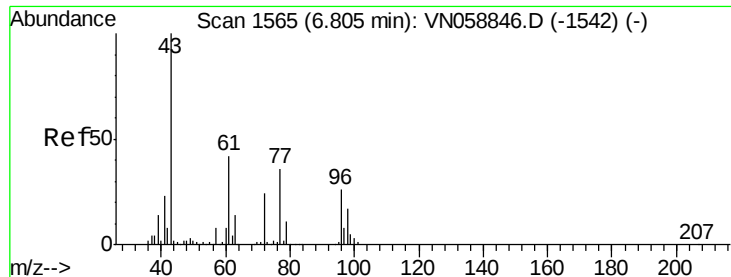
Tot Ion: 43 Resp: 894061
Ion Ratio Lower Upper
43 100
72 24.3 19.1 28.7



#26
2,2-Dichloropropane
Concen: 51.056 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 77 Resp: 360989
Ion Ratio Lower Upper
77 100
97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.732 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

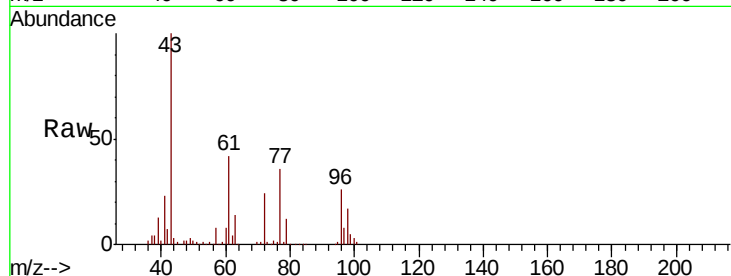
Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 227957

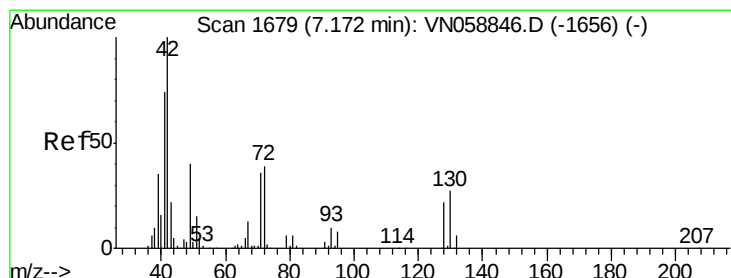
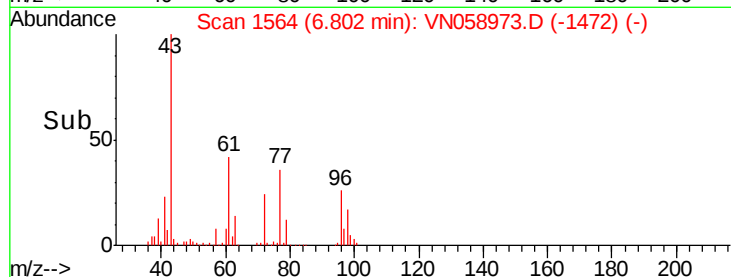
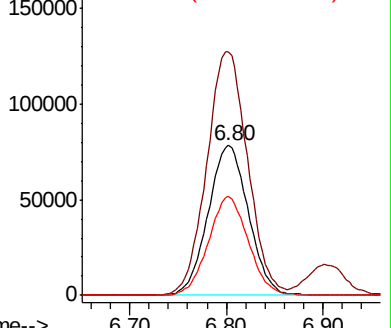
Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	325.0
98	65.0	0.0	128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)



#28

Bromochloromethane

Concen: 51.441 ug/l

RT: 7.17 min Scan# 1678

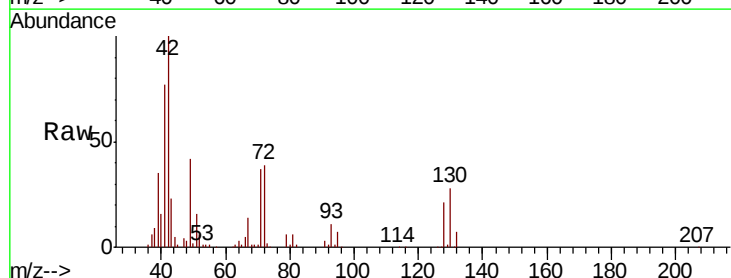
Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion: 49 Resp: 140039

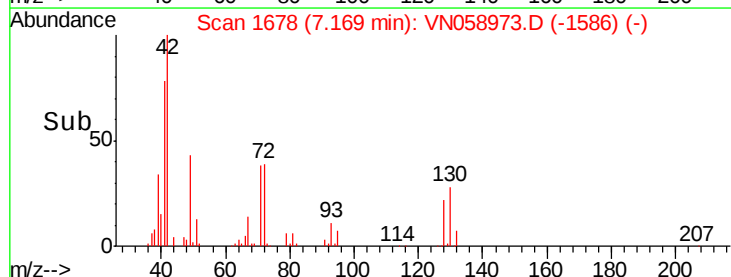
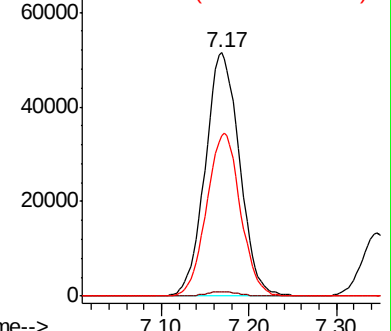
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	65.9	53.5	80.3

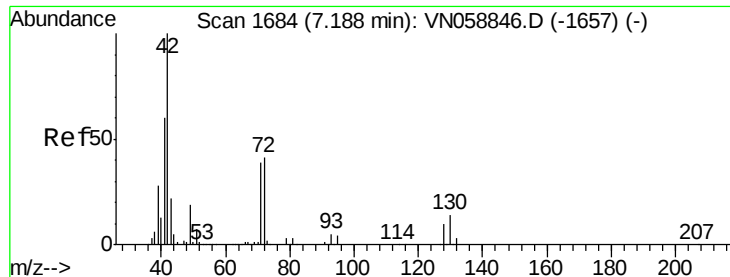


Abundance Ion 48.90 (48.60 to 49.60): VN058846.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN058846.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN058846.D (-1656) (-)

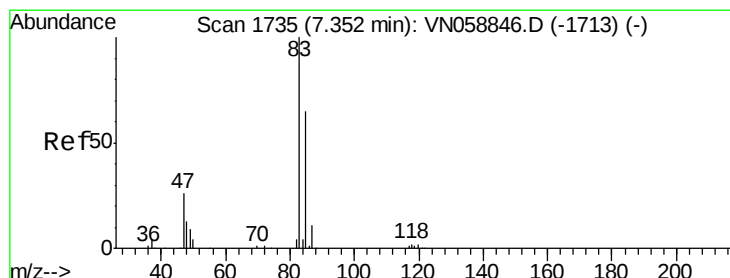
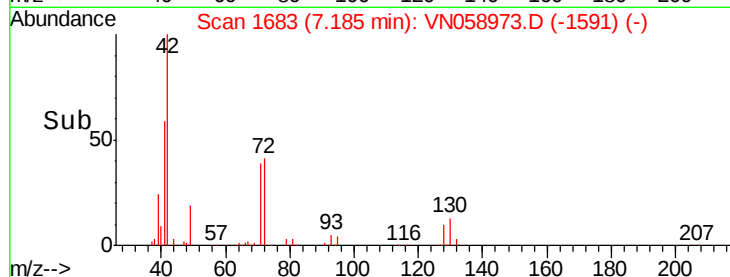
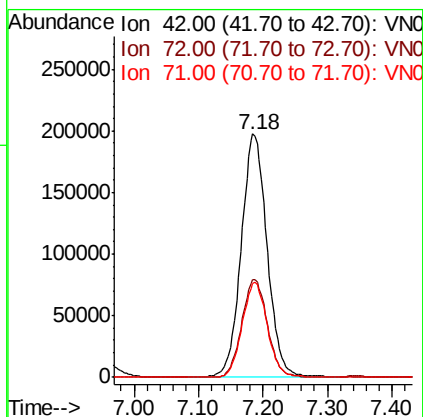
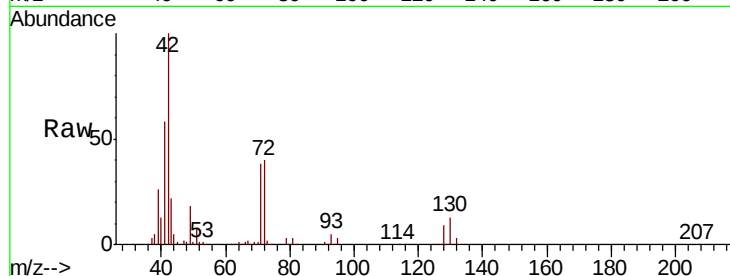




#29
Tetrahydrofuran
Concen: 264.816 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

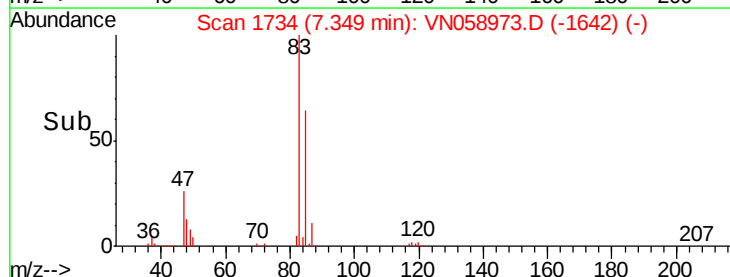
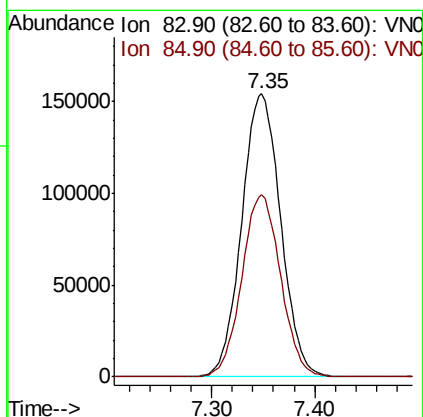
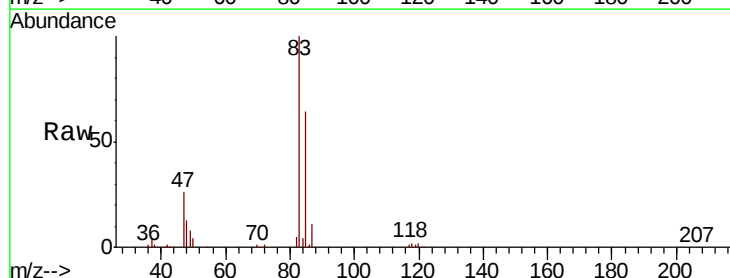
Instrument :
MSVOA_N
ClientSampled :

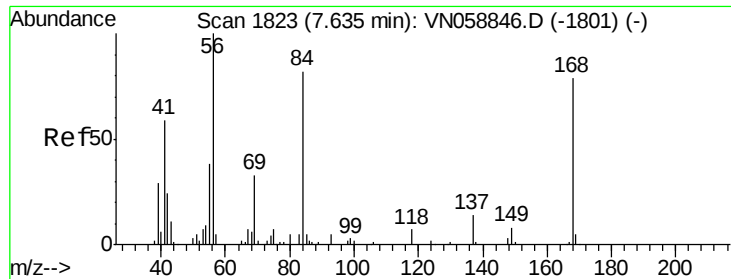
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.2
71	38.0	30.6	45.8



#30
Chloroform
Concen: 49.476 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9

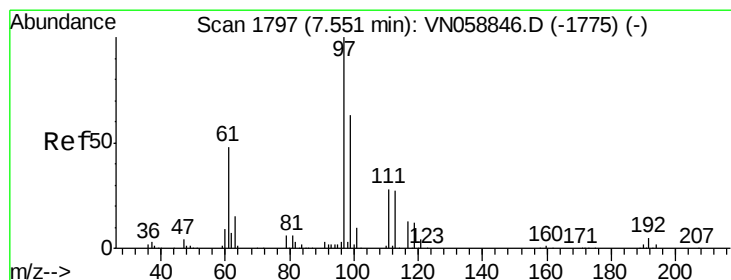
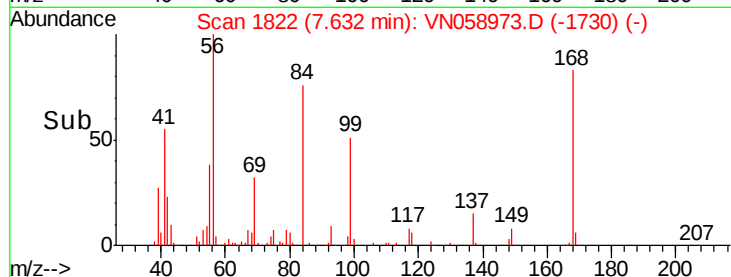
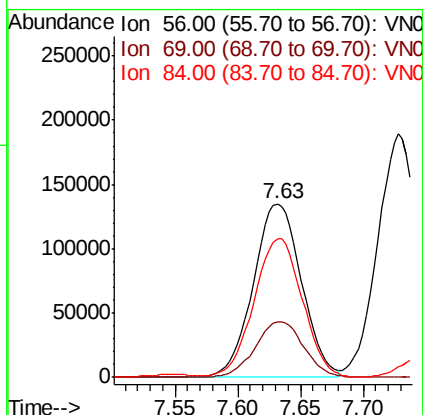
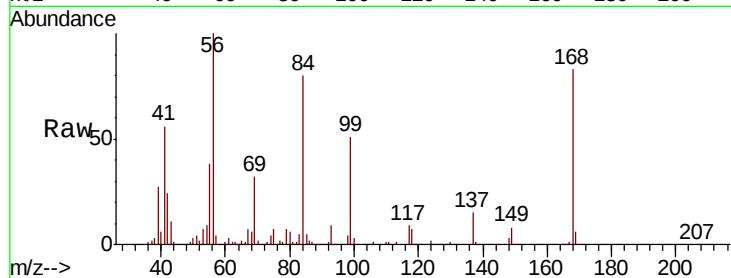




#31
Cyclohexane
Concen: 47.482 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

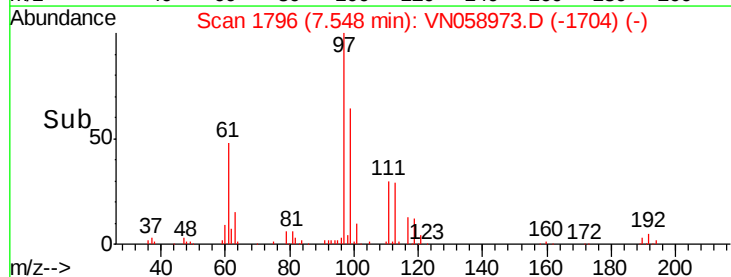
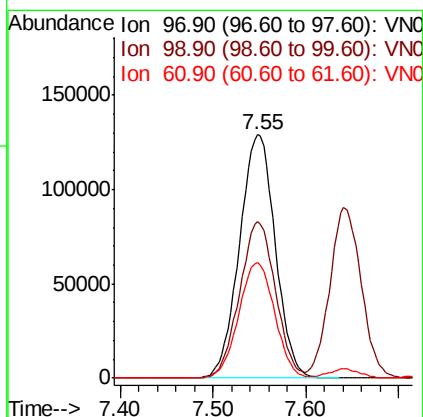
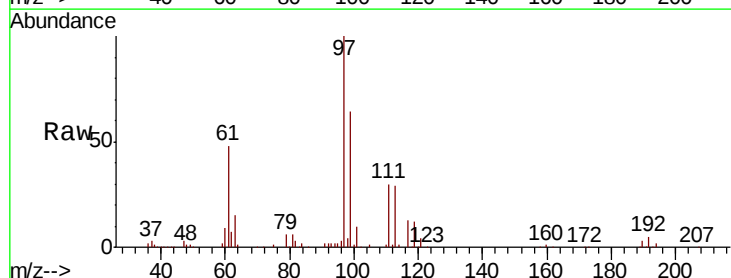
Instrument :
MSVOA_N
ClientSampleId :

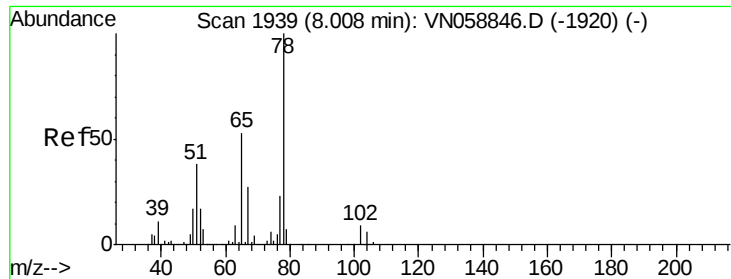
Tot Ion: 56 Resp: 361582
Ion Ratio Lower Upper
56 100
69 32.0 26.2 39.4
84 78.8 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 50.034 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 97 Resp: 345800
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 47.8 38.6 58.0

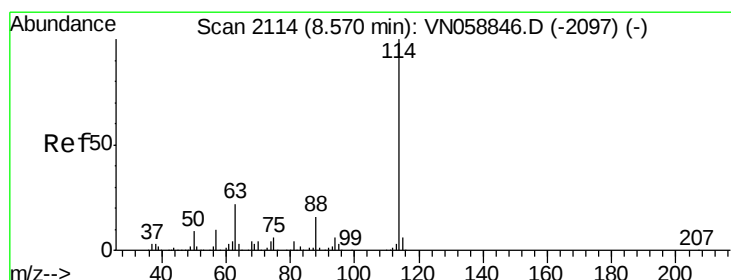
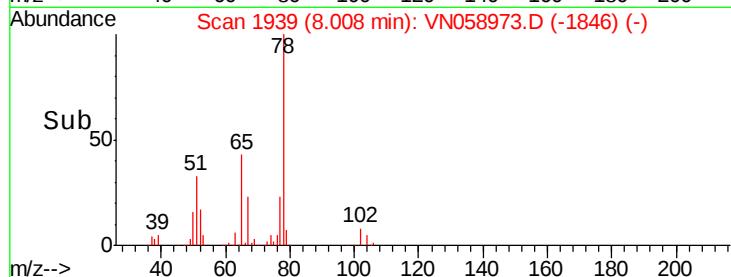
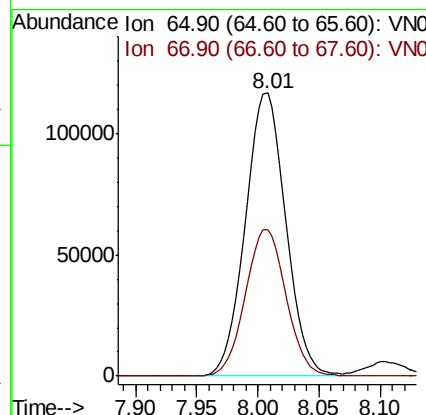
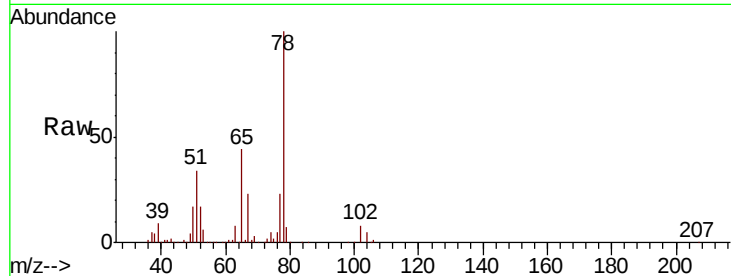




#33
 1,2-Dichloroethane-d4
 Concen: 50.541 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

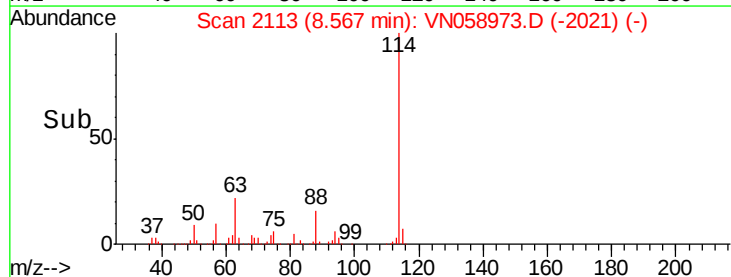
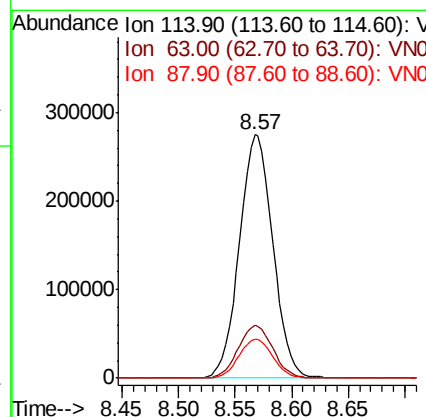
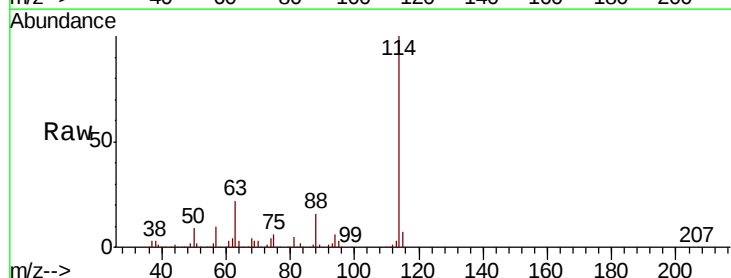
Instrument :
 MSVOA_N
 ClientSampled :

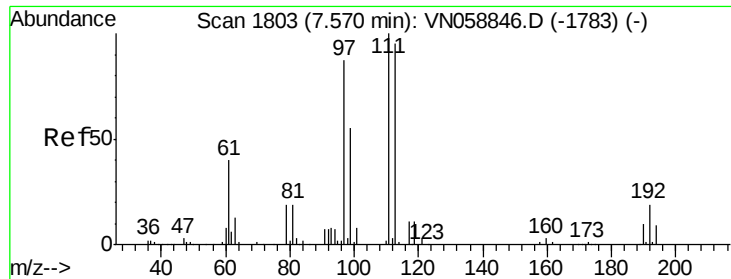
Tot Ion: 65 Resp: 267819
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion: 114 Resp: 567315
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.4
 88 15.9 0.0 31.4

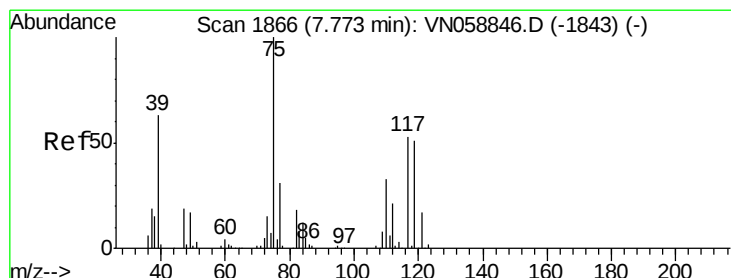
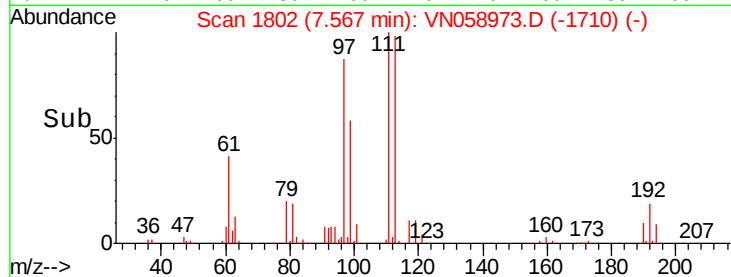
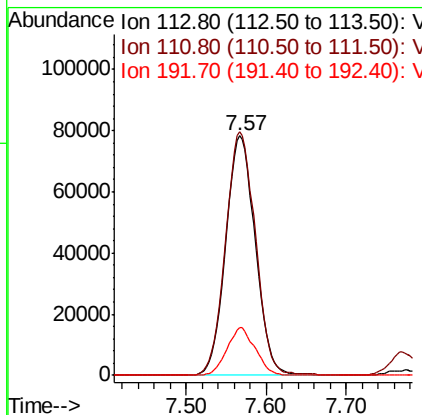
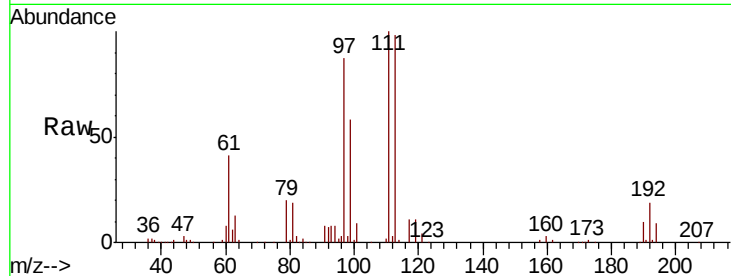




#35
 Dibromofluoromethane
 Concen: 52.805 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

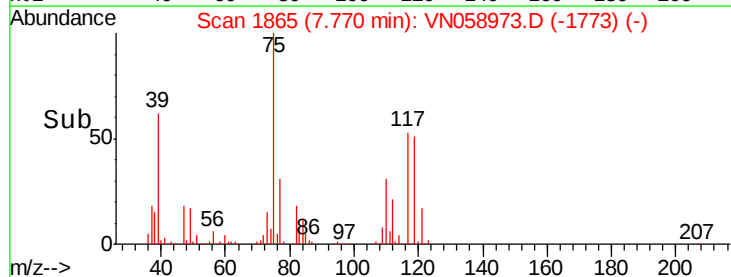
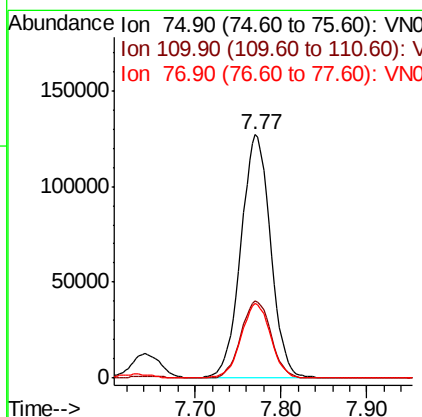
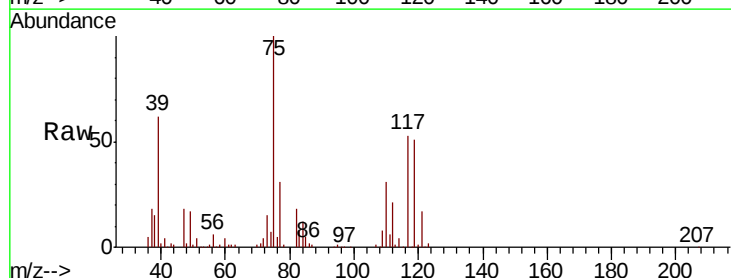
Instrument :
 MSVOA_N
 ClientSampleId :

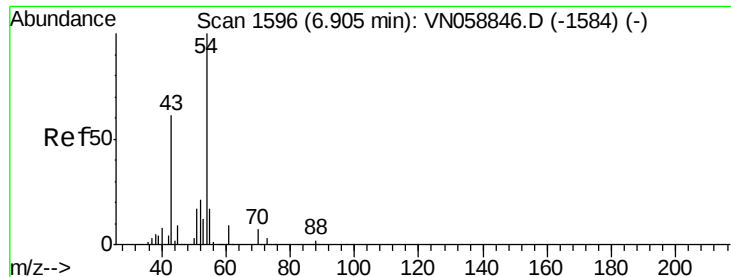
Tot Ion:113 Resp: 196961
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.0 123.0
 192 19.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 52.282 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion: 75 Resp: 303658
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.3 48.9
 77 31.0 24.6 36.8

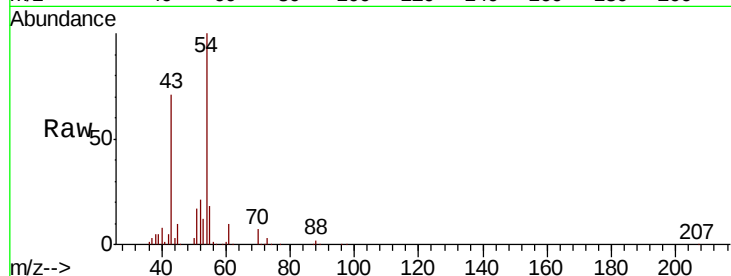




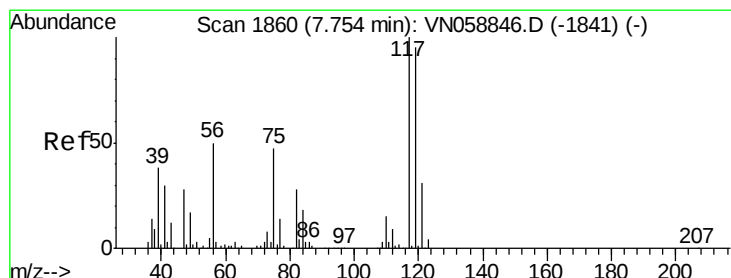
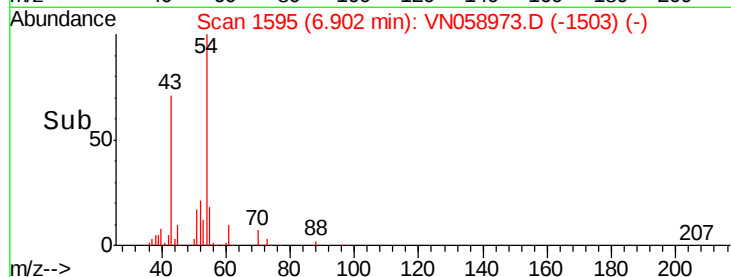
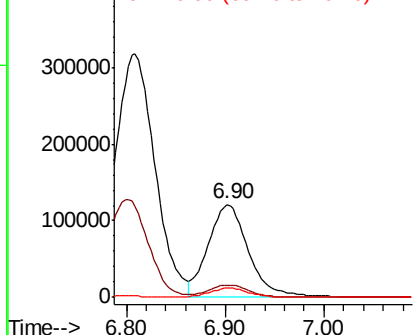
#37
Ethyl Acetate
Concen: 53.643 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 339488
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.8 7.6 11.4

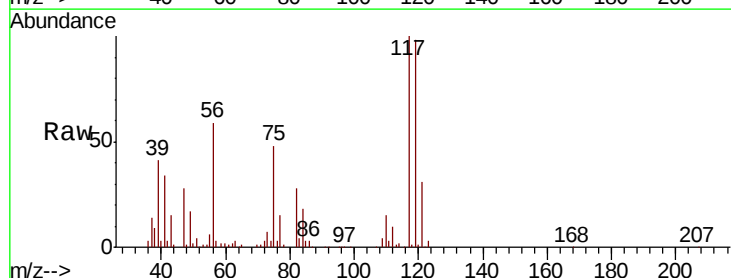


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

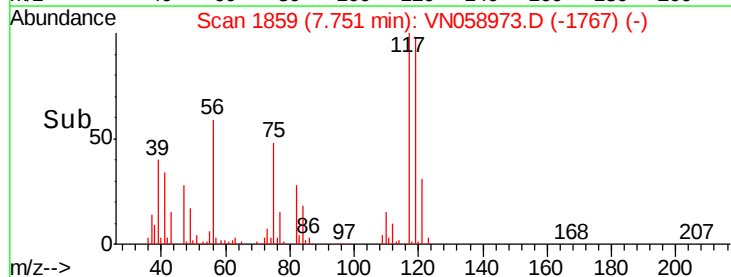
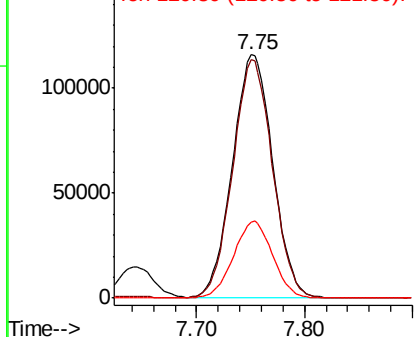


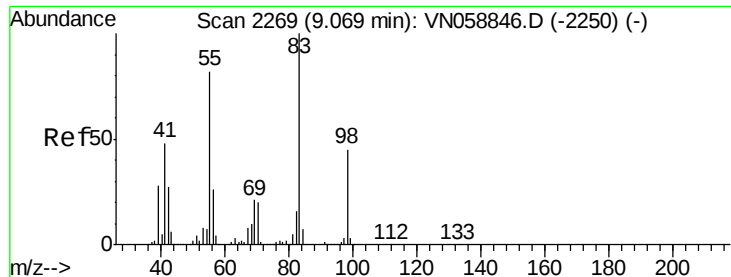
#38
Carbon Tetrachloride
Concen: 50.445 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 117 Resp: 301840
Ion Ratio Lower Upper
117 100
119 97.9 75.7 113.5
121 31.2 25.0 37.6



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

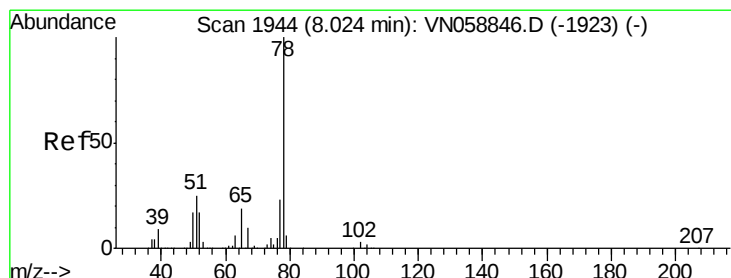
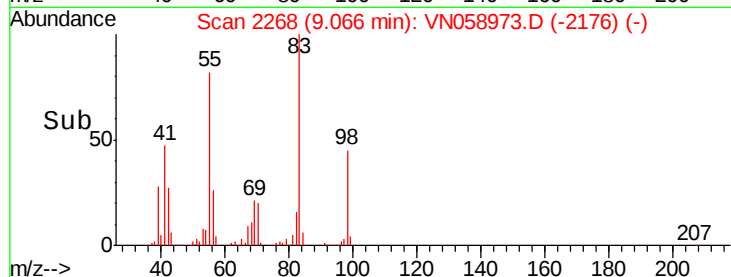
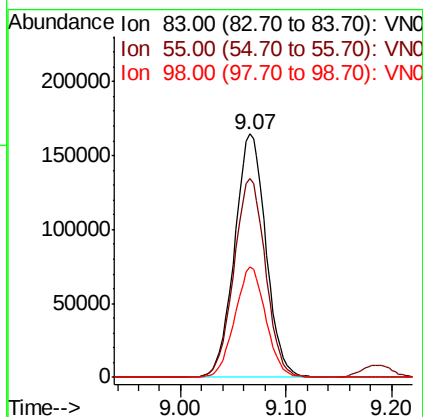
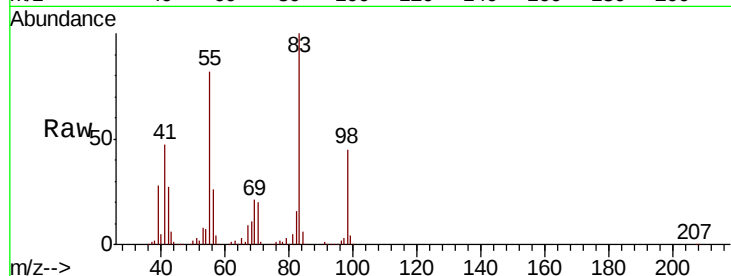




#39
Methylvlcvclohexane
Concen: 51.913 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

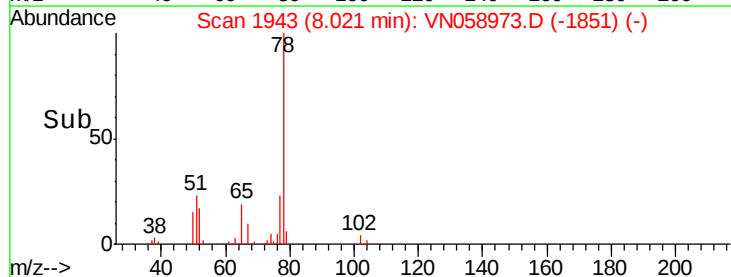
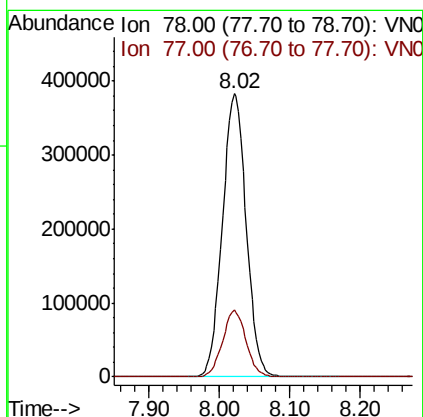
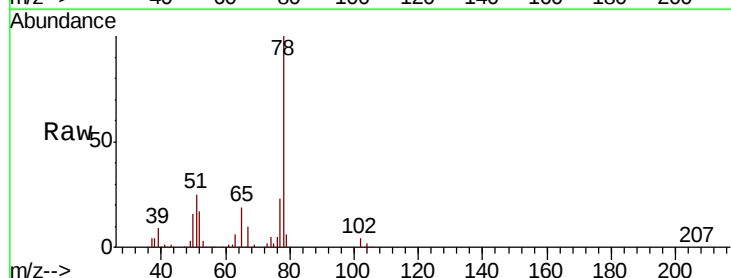
Instrument :
MSVOA_N
ClientSampleId :

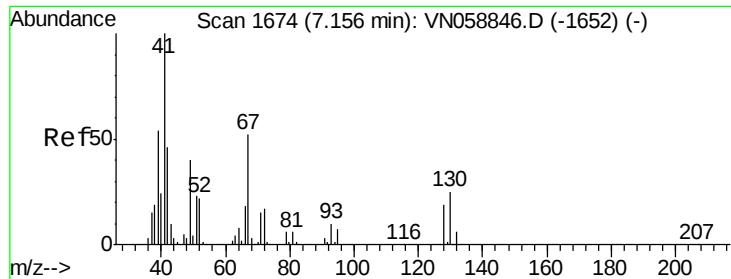
Tot Ion: 83 Resp: 338556
Ion Ratio Lower Upper
83 100
55 81.9 65.5 98.3
98 45.4 35.7 53.5



#40
Benzene
Concen: 52.969 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 78 Resp: 903406
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

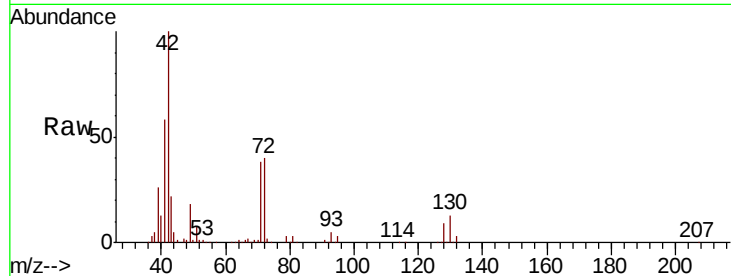




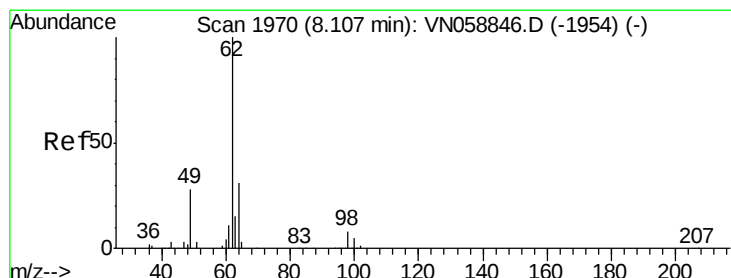
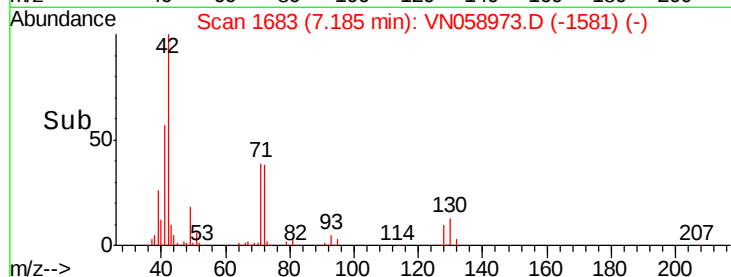
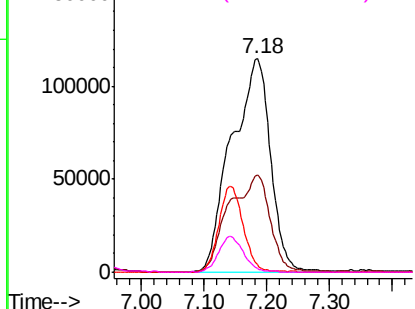
#41
Methacrylonitrile
Concen: 174.506 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	491871
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

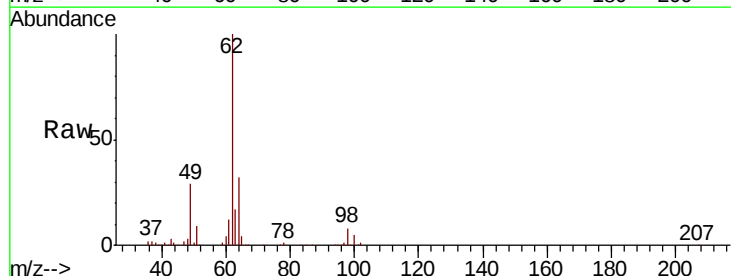


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

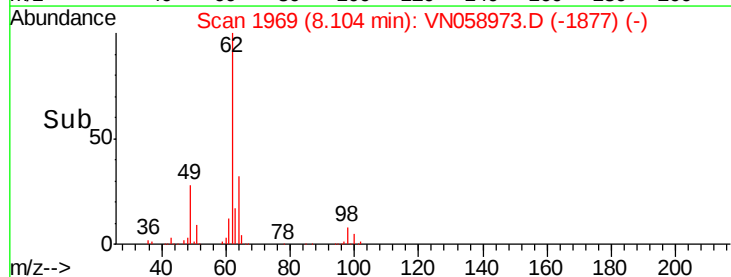
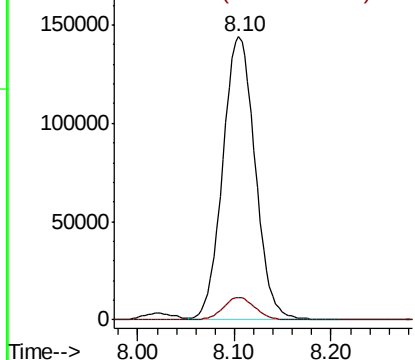


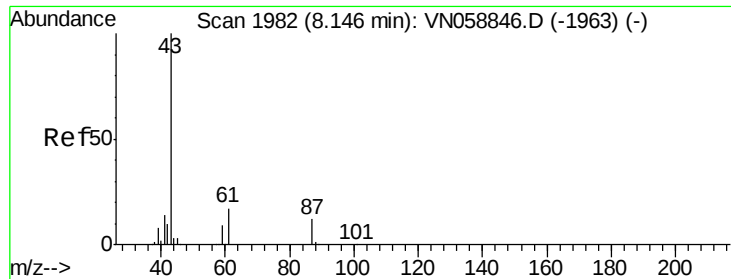
#42
1,2-Dichloroethane
Concen: 50.976 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:	62	Resp:	334908
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



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

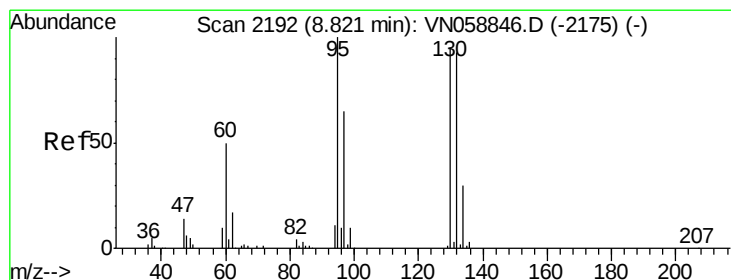
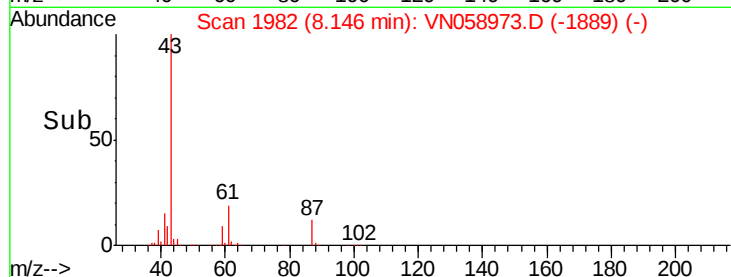
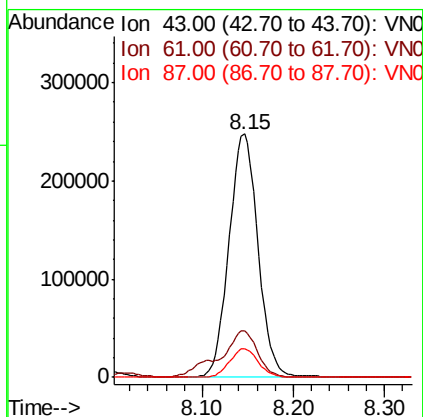
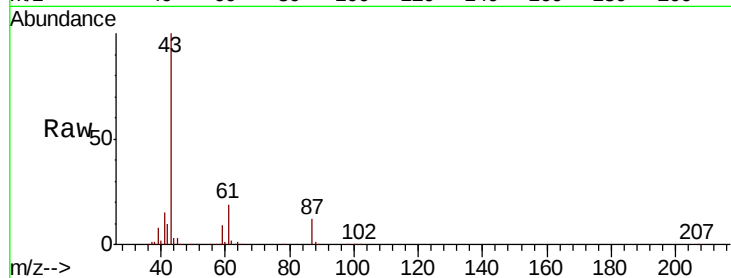




#43
Isopropyl Acetate
Concen: 53.745 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

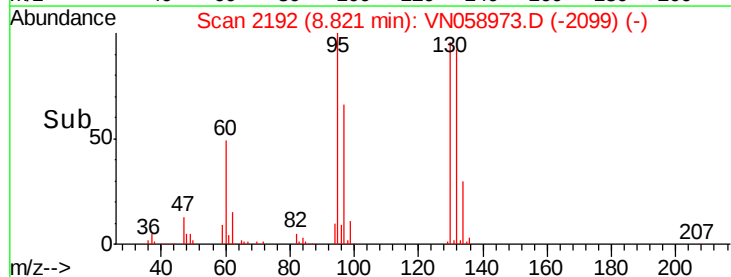
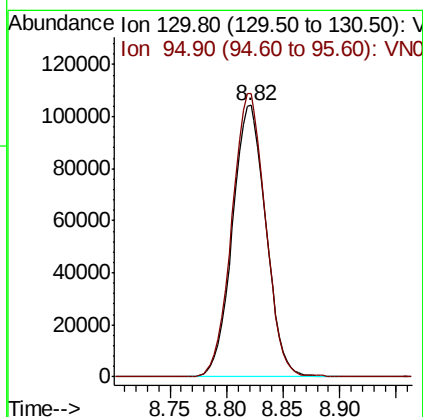
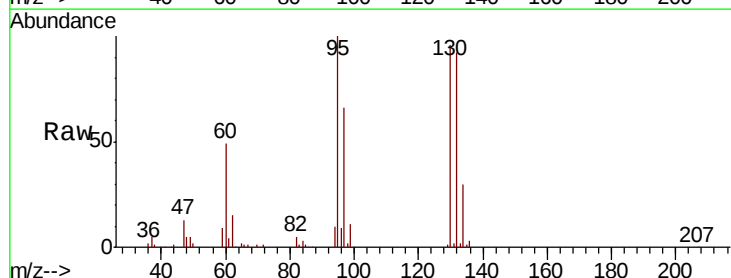
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 545496
Ion Ratio Lower Upper
43 100
61 24.8 20.2 30.2
87 11.7 9.5 14.3



#44
Trichloroethene
Concen: 51.814 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:130 Resp: 215271
Ion Ratio Lower Upper
130 100
95 104.1 0.0 209.6





#45

1,2-Dichloropropane

Concen: 53.704 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

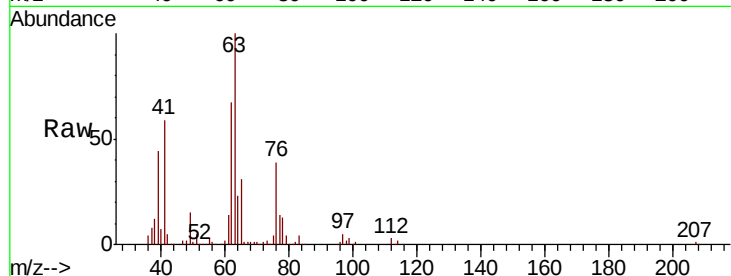
ClientSampled :

Tot Ion: 63 Resp: 251164

Ion Ratio Lower Upper

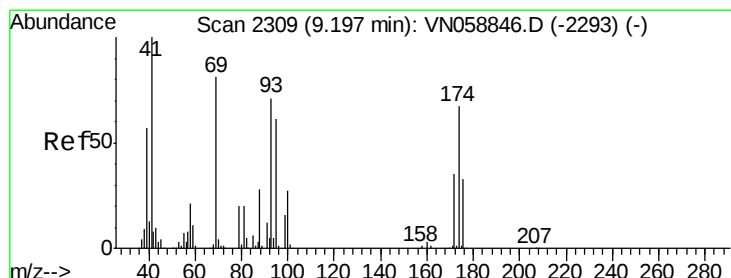
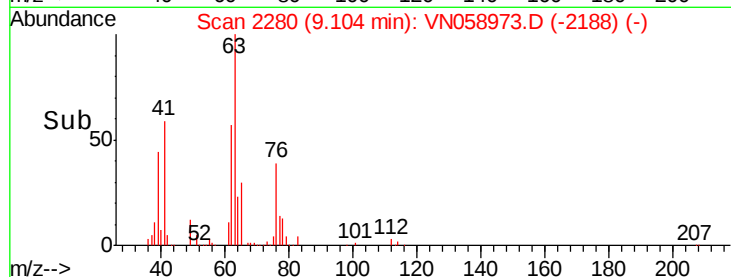
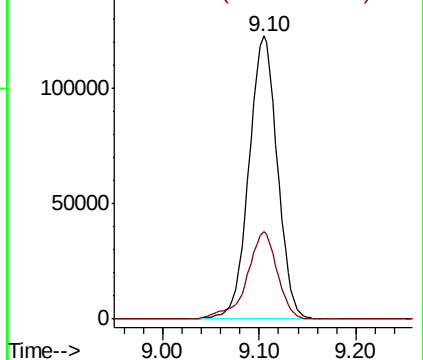
63 100

65 30.8 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.738 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

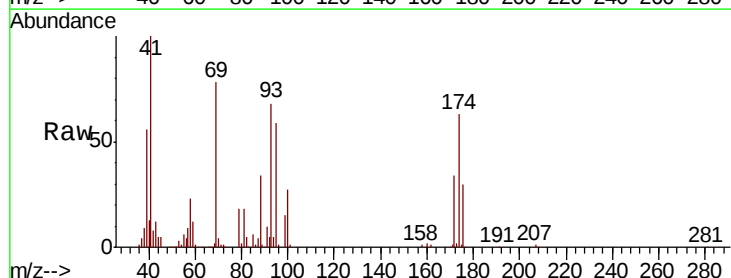
Tgt Ion: 93 Resp: 152970

Ion Ratio Lower Upper

93 100

95 84.8 67.6 101.4

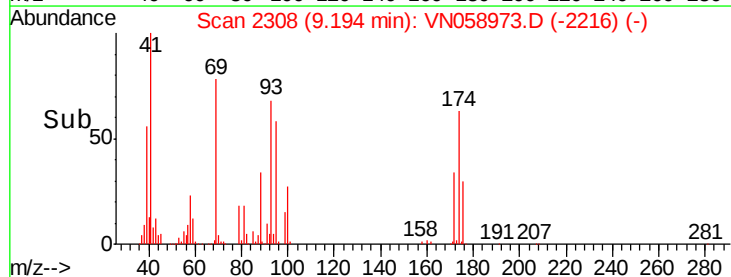
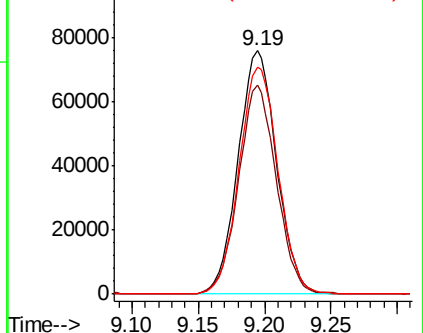
174 94.6 74.1 111.1

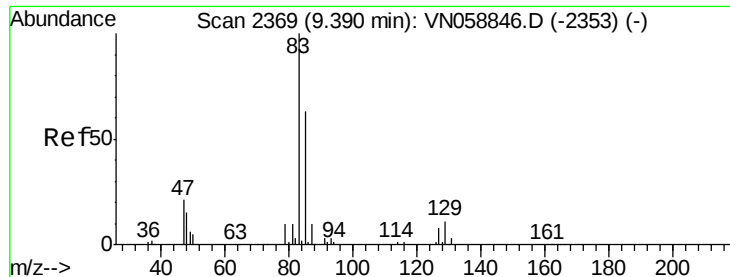


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

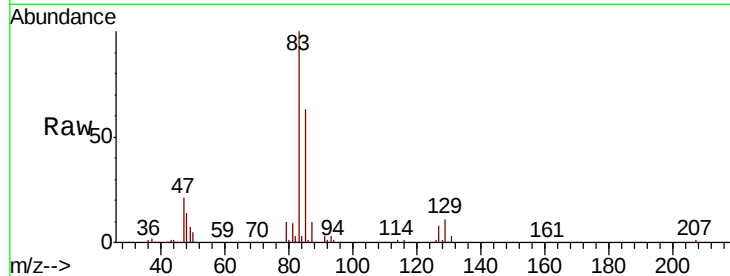




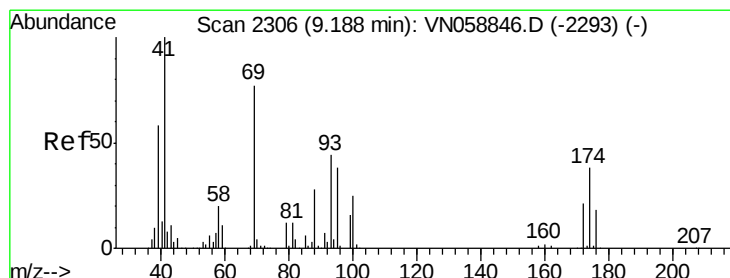
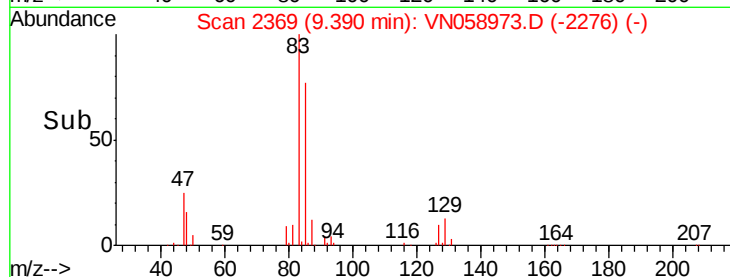
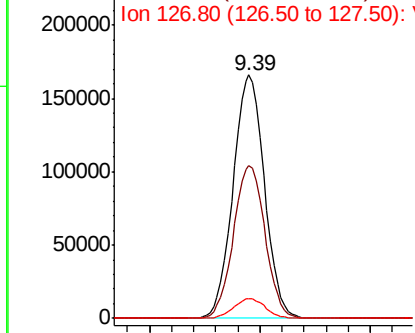
#47
 Bromodichloromethane
 Concen: 53.583 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 326521
 Ion Ratio Lower Upper
 83 100
 85 62.9 50.6 75.8
 127 8.1 6.5 9.7

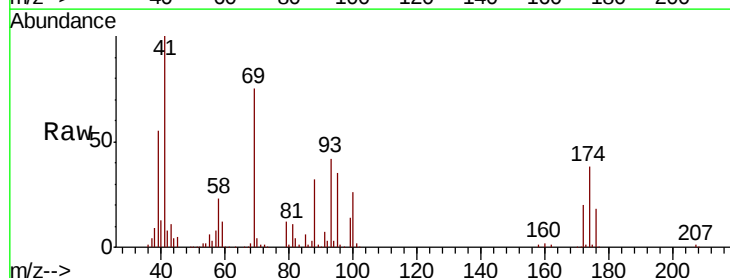


Abundance Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 126.80 (126.50 to 127.50): VNO

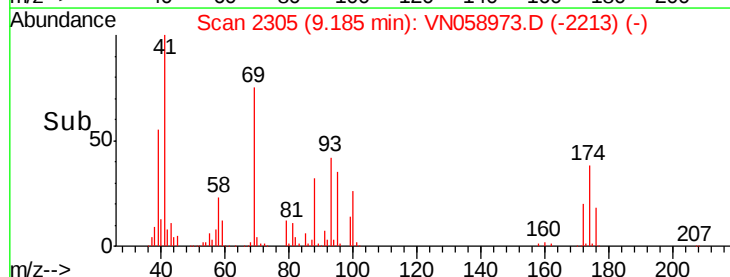
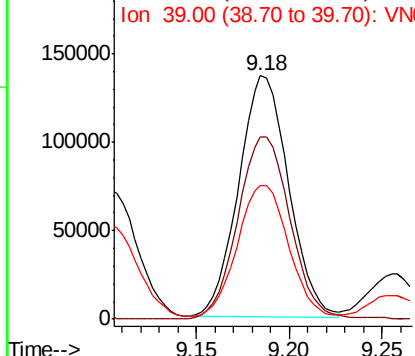


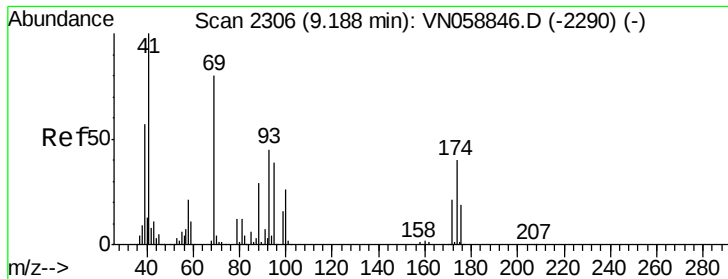
#48
 Methyl methacrylate
 Concen: 55.623 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion: 41 Resp: 256140
 Ion Ratio Lower Upper
 41 100
 69 79.5 63.8 95.6
 39 57.3 47.8 71.8



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

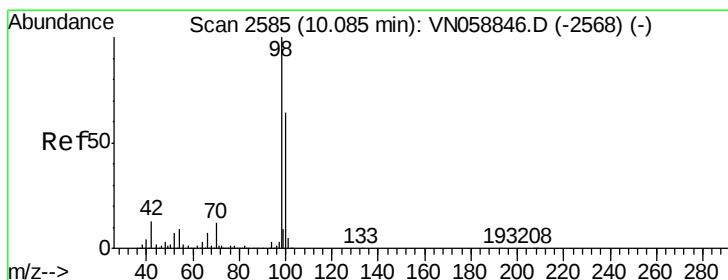
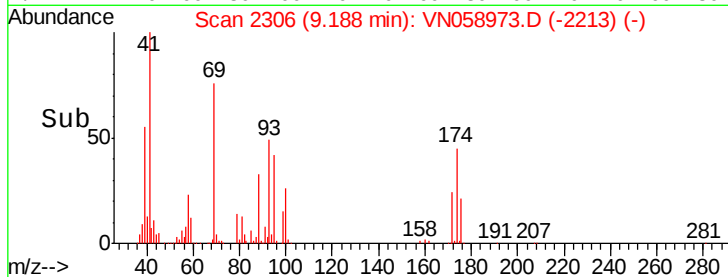
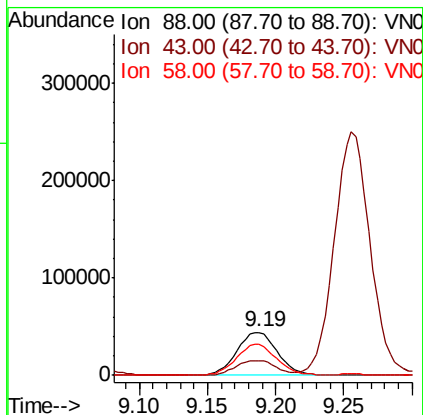
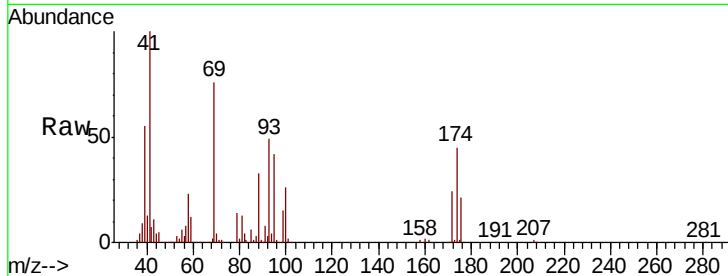




#49
1,4-Dioxane
Concen: 1217.215 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

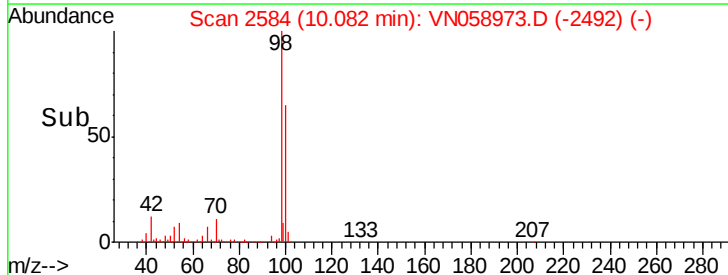
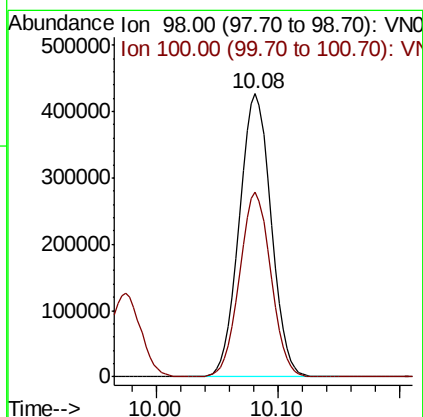
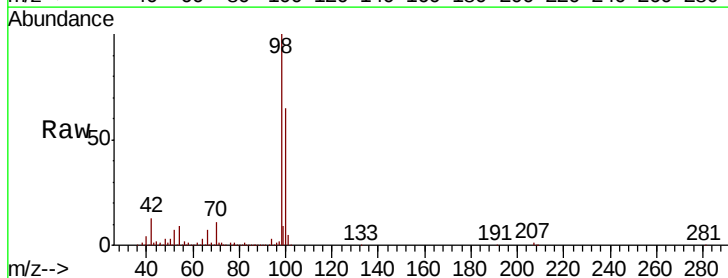
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 92014
Ion Ratio Lower Upper
88 100
43 34.7 29.1 43.7
58 71.7 59.4 89.0



#50
Toluene-d8
Concen: 53.060 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 98 Resp: 768270
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 292.080 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

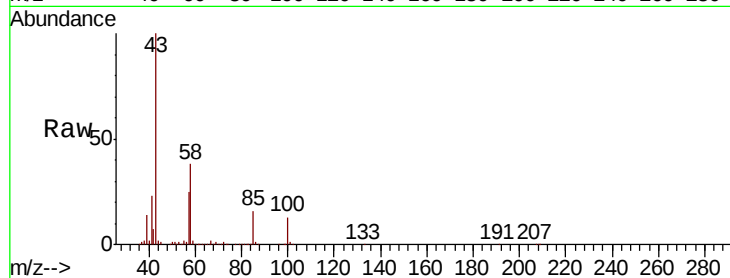
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1731568

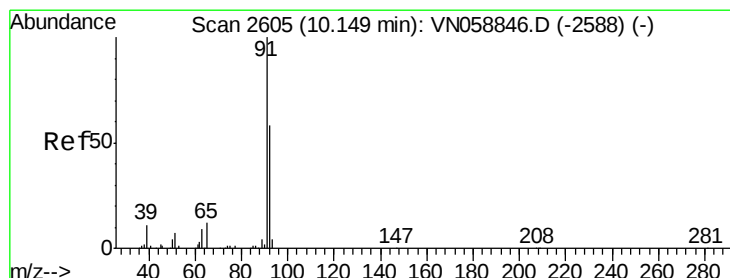
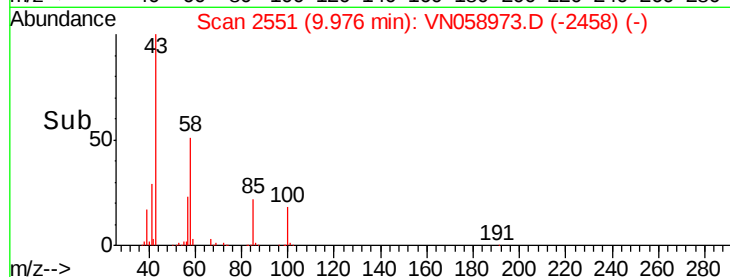
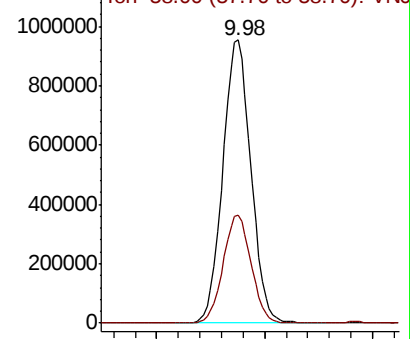
Ion Ratio Lower Upper

43 100

58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)



#52

Toluene

Concen: 55.586 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058973.D

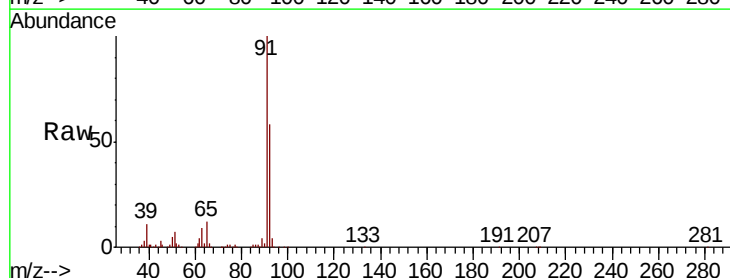
Acq: 25 Oct 2019 9:08

Tgt Ion: 92 Resp: 562201

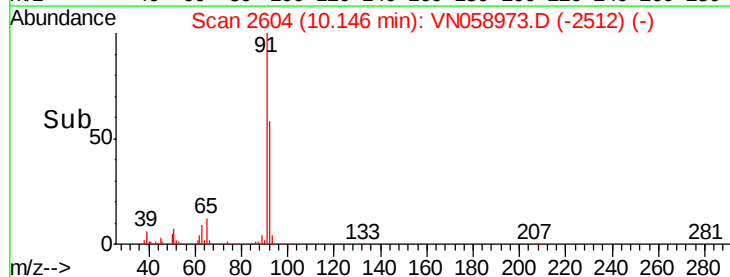
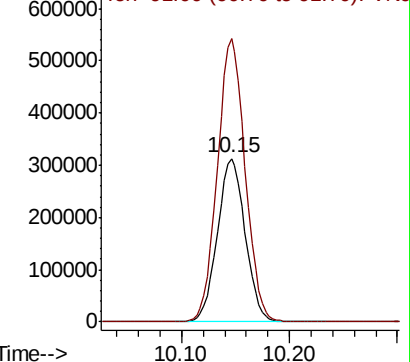
Ion Ratio Lower Upper

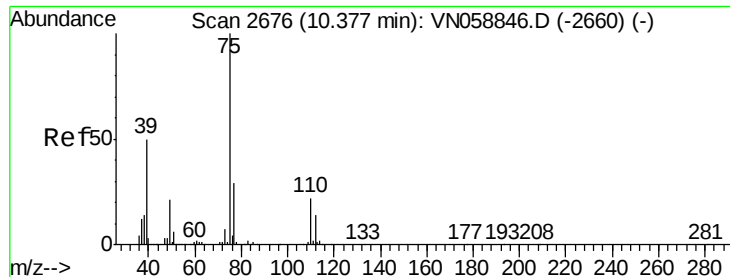
92 100

91 173.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 54.922 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

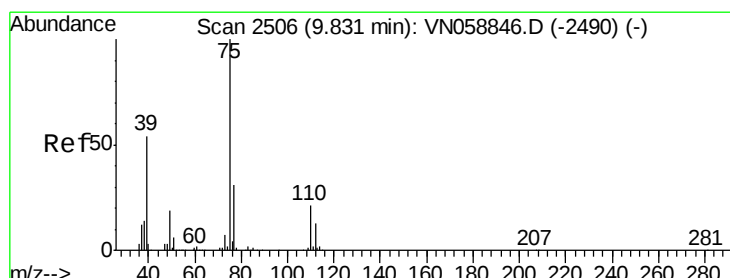
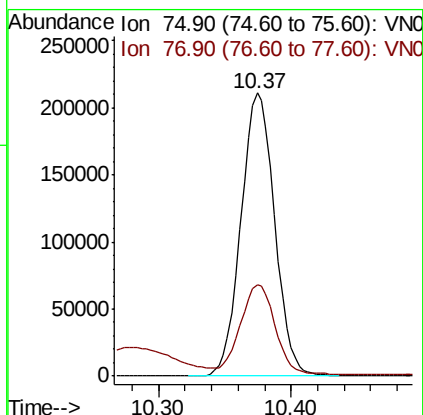
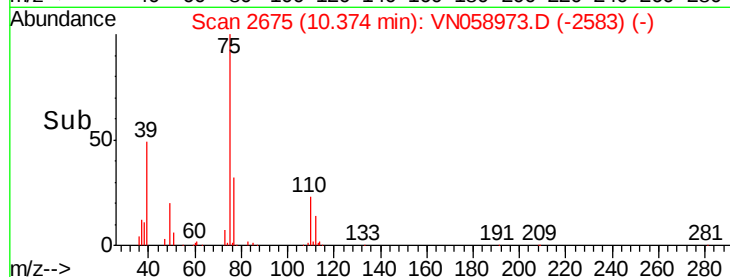
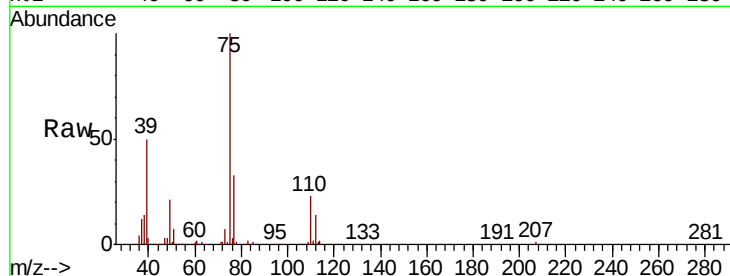
ClientSampleId :

Tot Ion: 75 Resp: 370499

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 55.410 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

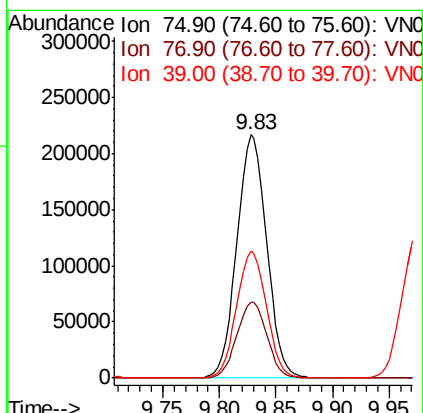
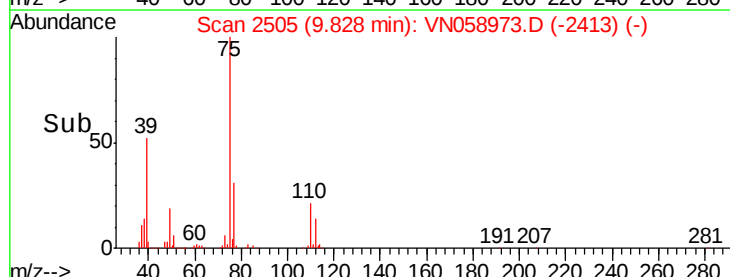
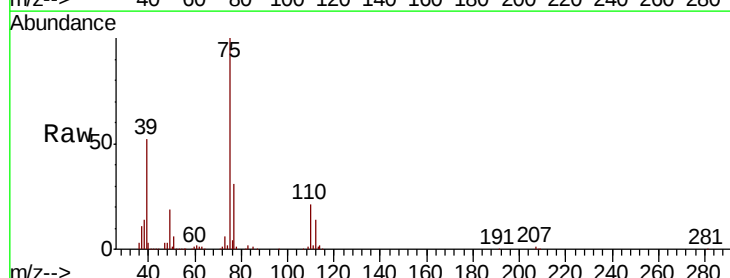
Tgt Ion: 75 Resp: 399349

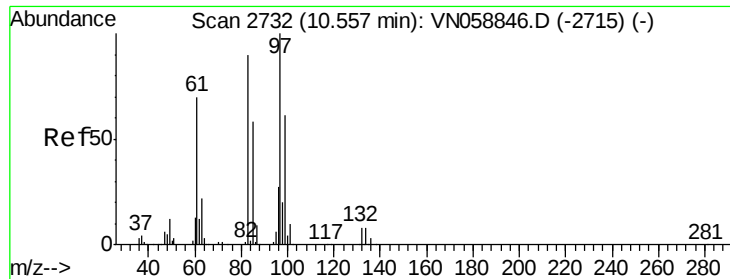
Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 52.1 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 53.619 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 223406

Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.2	108.4
85	57.8	46.2	69.2
99	61.9	48.7	73.1

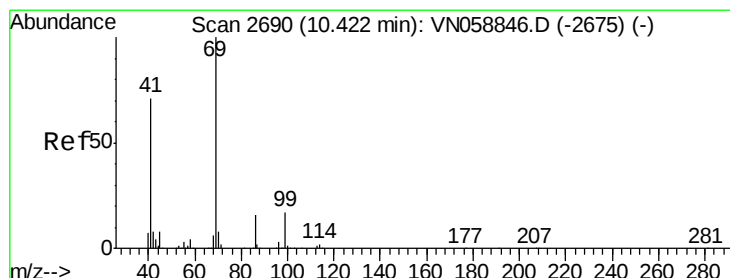
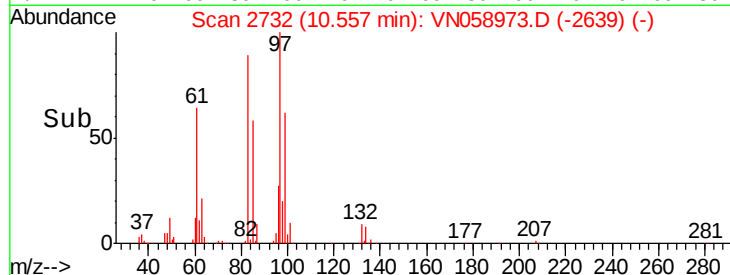
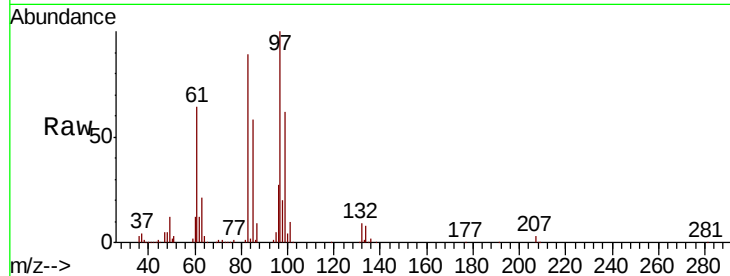
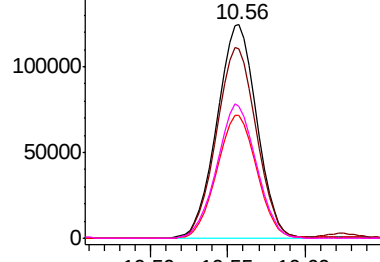
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 50.562 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion: 69 Resp: 354050

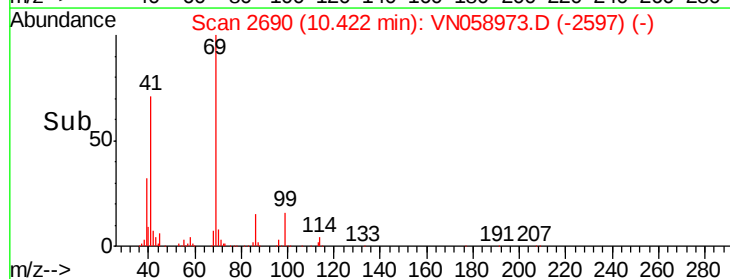
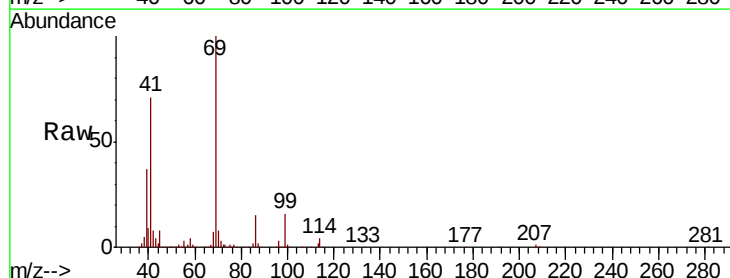
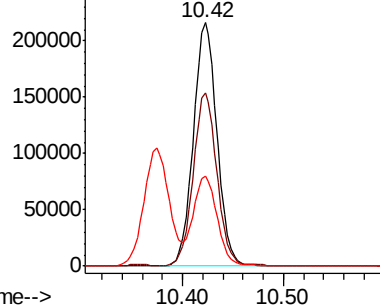
Ion	Ratio	Lower	Upper
69	100		
41	70.5	57.2	85.8
39	37.6	31.0	46.4

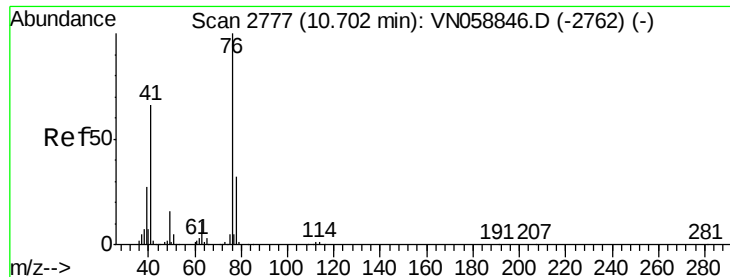
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.798 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

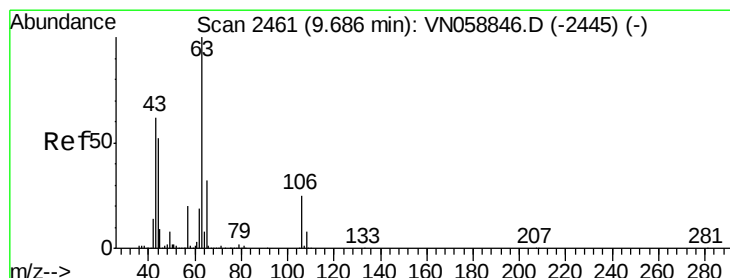
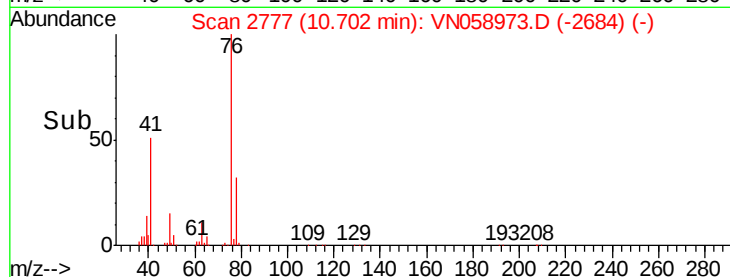
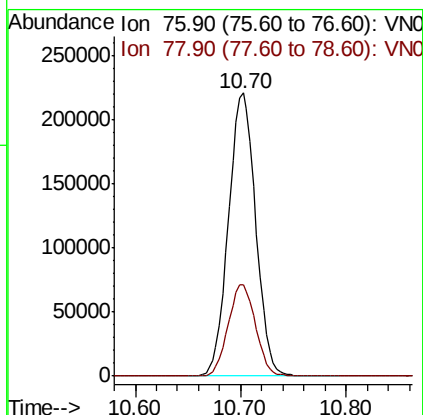
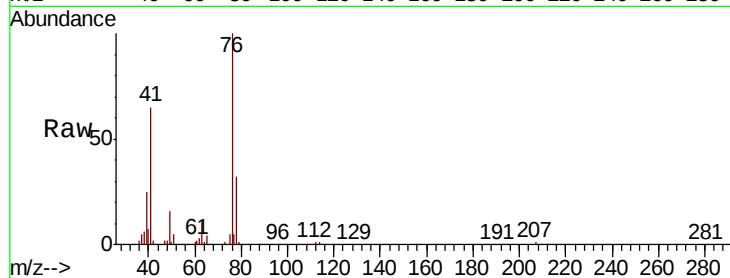
ClientSampled :

Tot Ion: 76 Resp: 393411

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 256.574 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058973.D

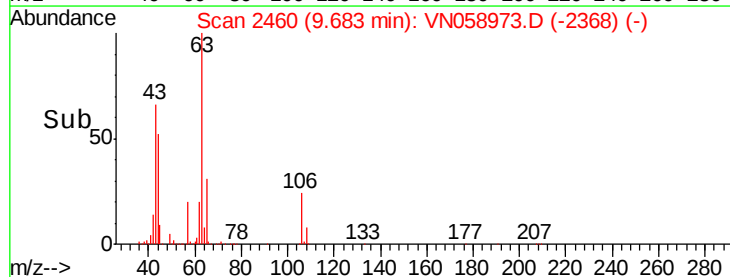
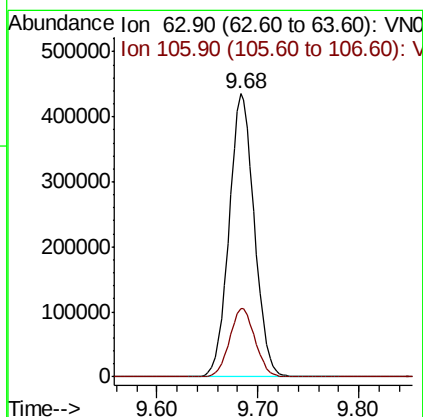
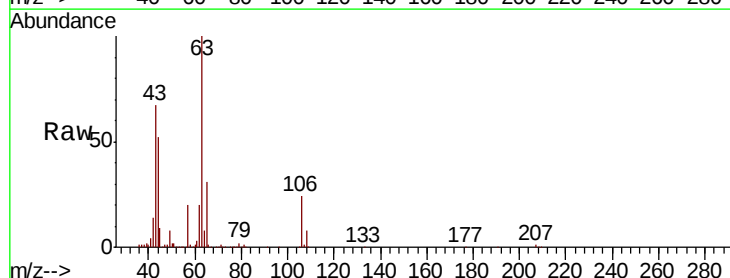
Acq: 25 Oct 2019 9:08

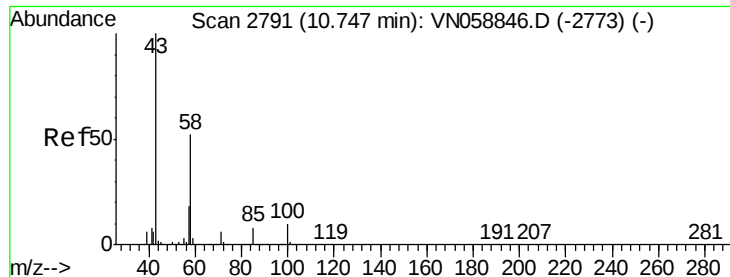
Tgt Ion: 63 Resp: 758741

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

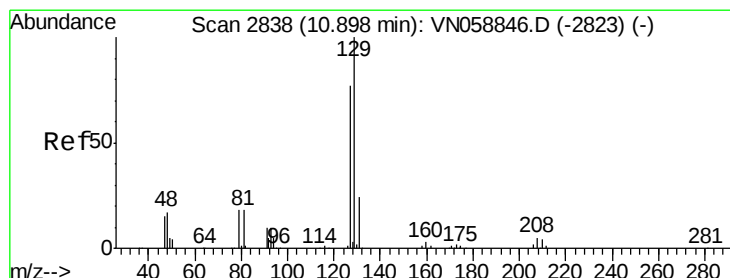
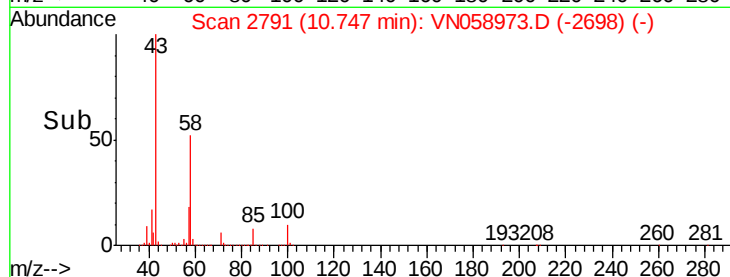
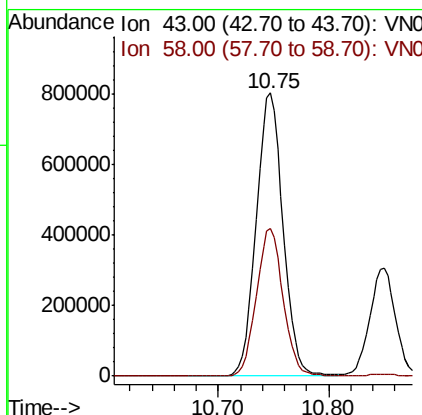
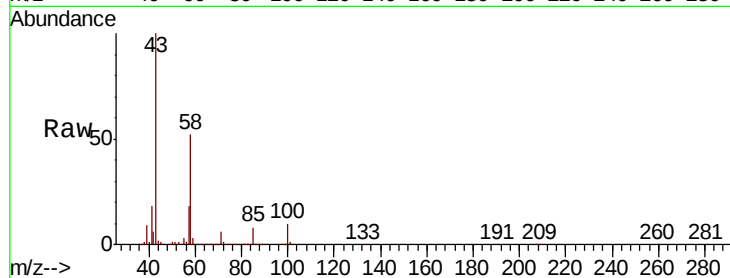




#59
2-Hexanone
Concen: 294.463 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

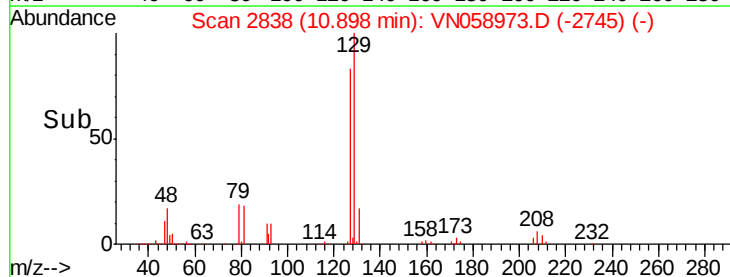
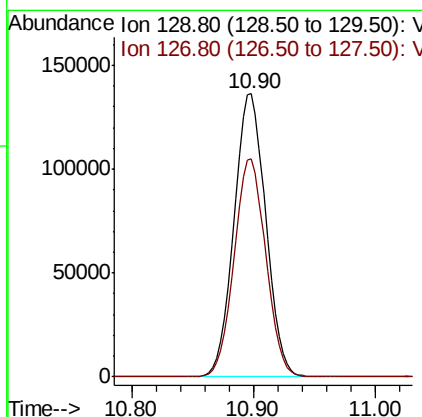
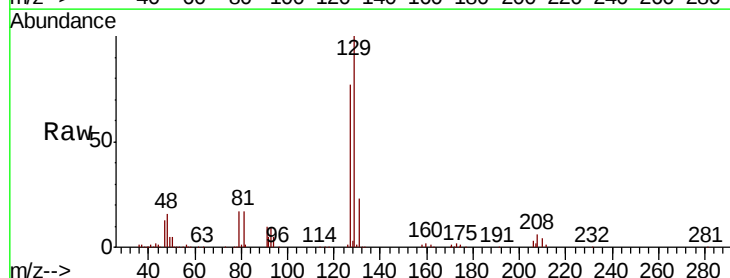
Instrument :
MSVOA_N
ClientSampled :

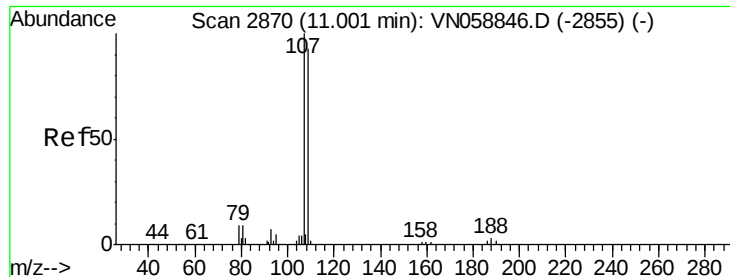
Tot Ion: 43 Resp: 1348953
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7



#60
Dibromochloromethane
Concen: 54.771 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 129 Resp: 245634
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 54.031 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

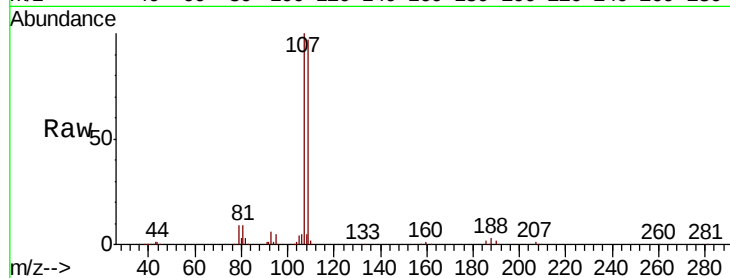
ClientSampled :

Tot Ion: 107 Resp: 230388

Ion Ratio Lower Upper

107 100

109 94.9 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

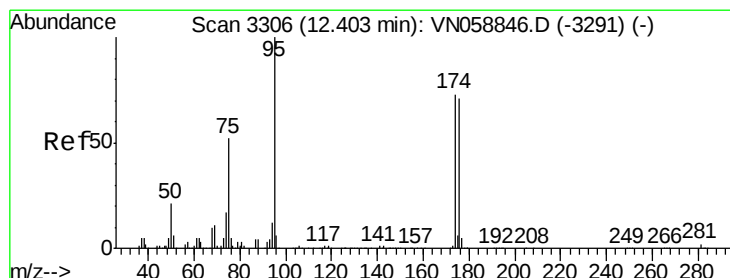
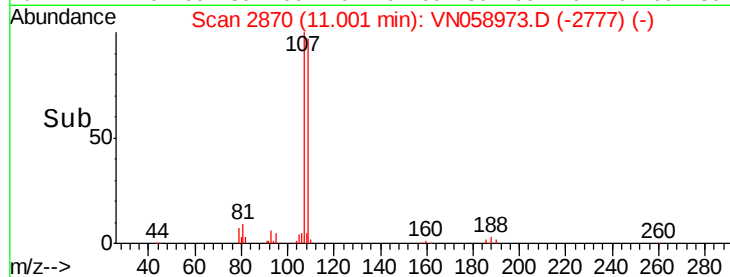
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.034 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

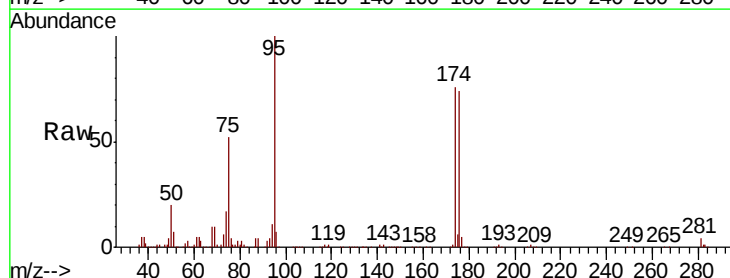
Tgt Ion: 95 Resp: 287304

Ion Ratio Lower Upper

95 100

174 76.0 0.0 147.6

176 74.4 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

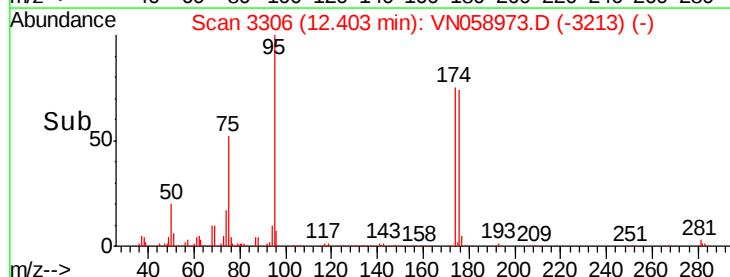
150000

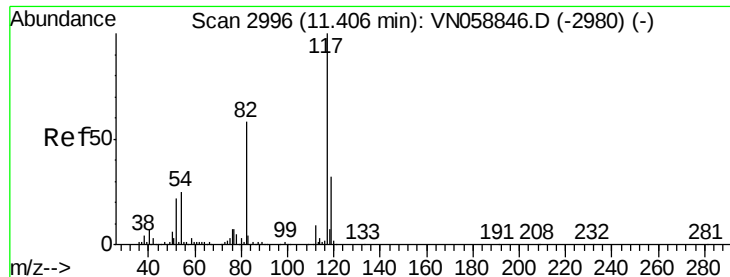
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

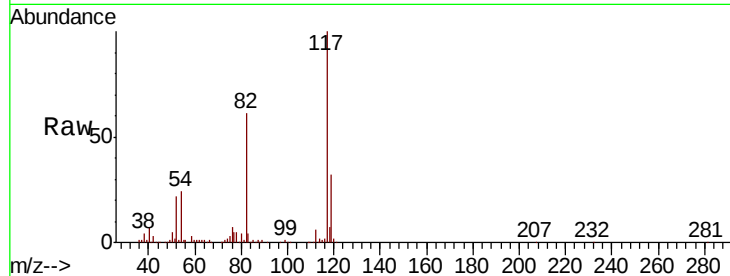
Tot Ion:117 Resp: 542371

Ion Ratio Lower Upper

117 100

82 60.9 46.6 69.8

119 32.0 25.6 38.4

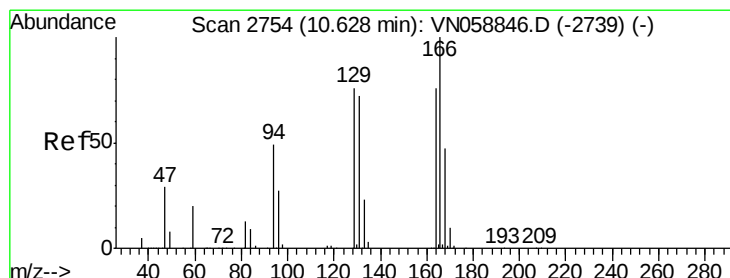
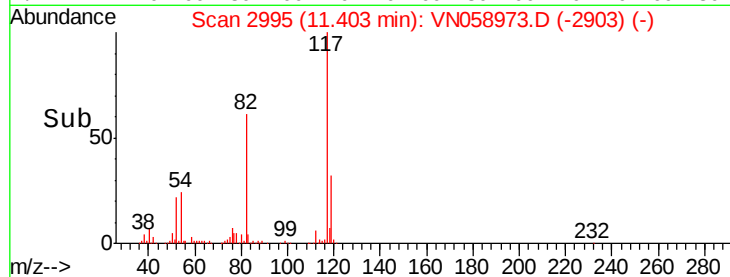
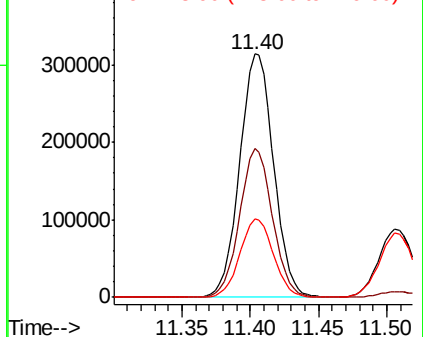


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.596 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:164 Resp: 195982

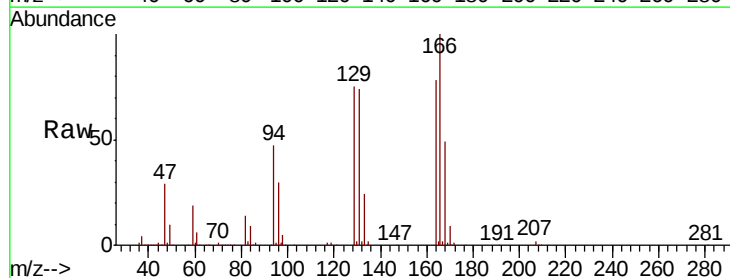
Ion Ratio Lower Upper

164 100

166 127.9 104.8 157.2

129 96.2 79.3 118.9

131 94.2 75.8 113.6



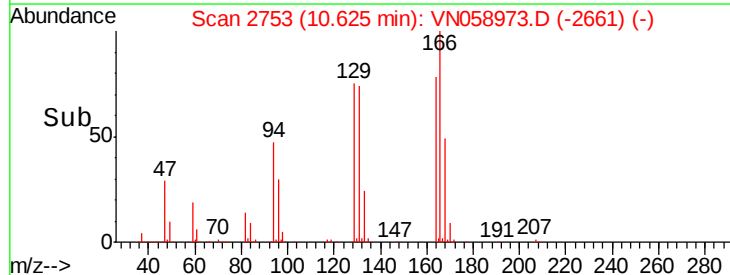
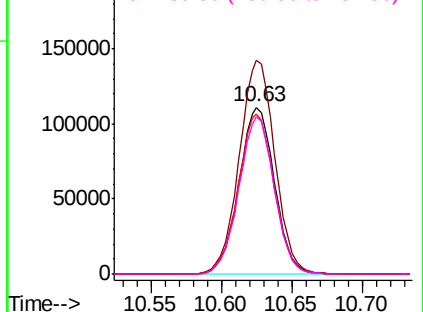
Abundance

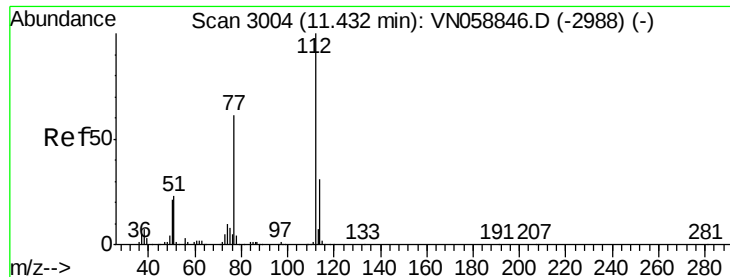
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

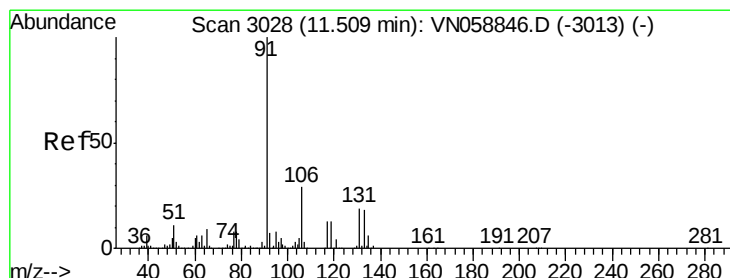
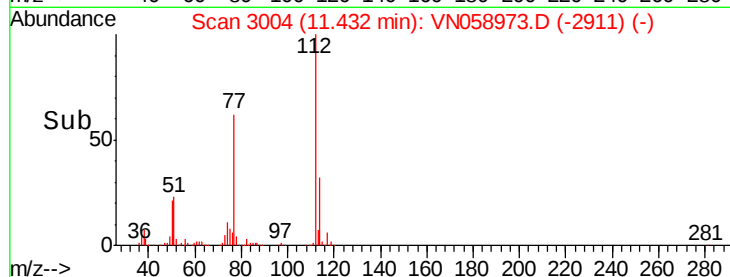
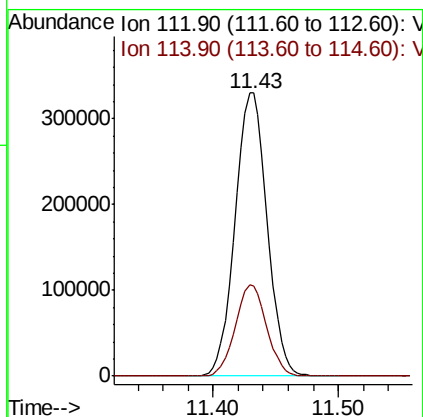
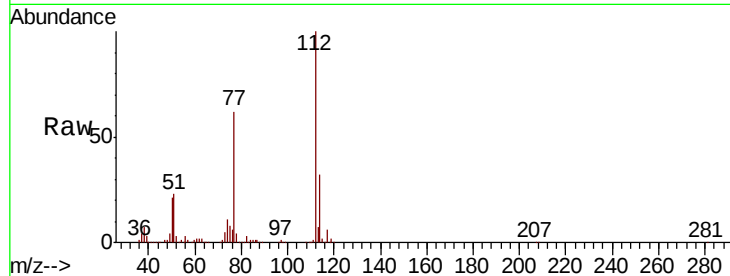




#65
Chlorobenzene
Concen: 53.038 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

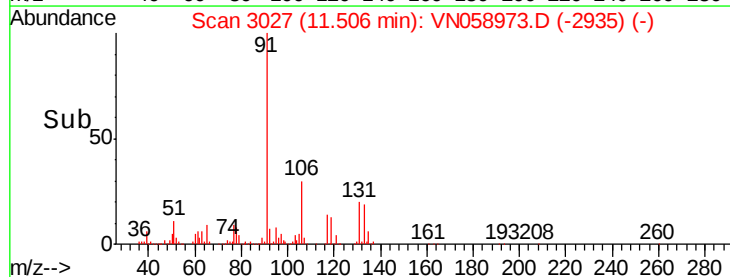
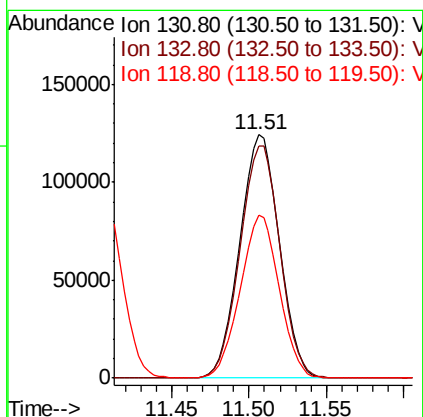
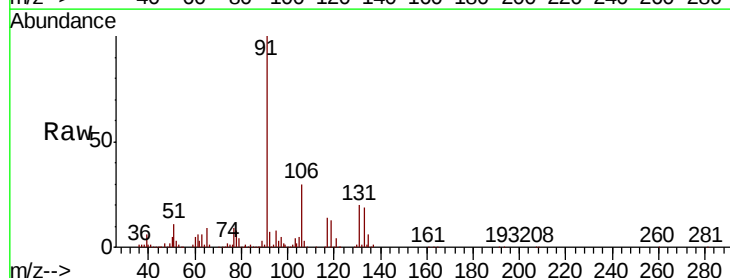
Instrument :
MSVOA_N
ClientSampled :

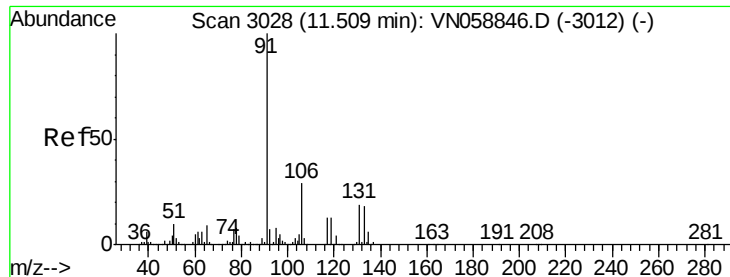
Tot Ion:112 Resp: 585646
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.112 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:131 Resp: 221307
Ion Ratio Lower Upper
131 100
133 96.6 48.4 145.2
119 66.0 33.6 100.8





#67

Ethyl Benzene

Concen: 56.120 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

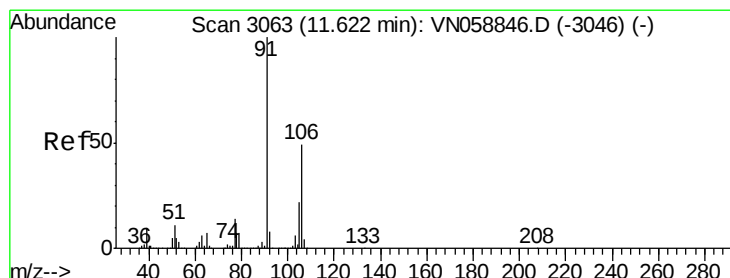
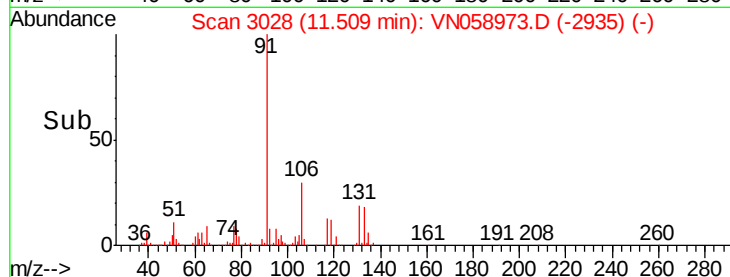
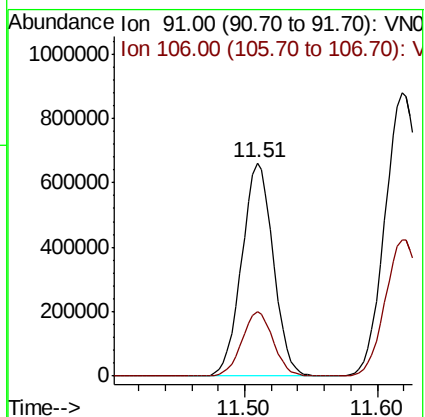
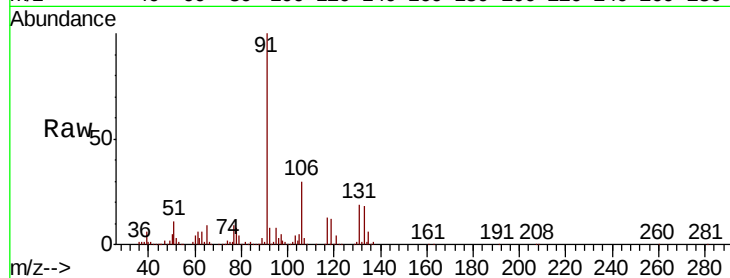
ClientSampleId :

Tot Ion: 91 Resp: 1087054

Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



#68

m/p-Xylenes

Concen: 112.471 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058973.D

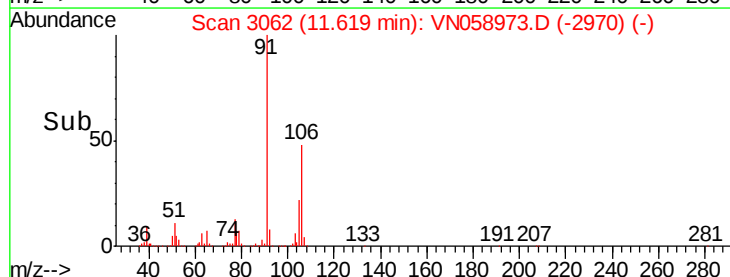
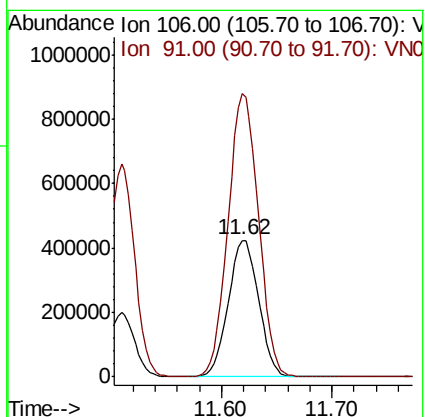
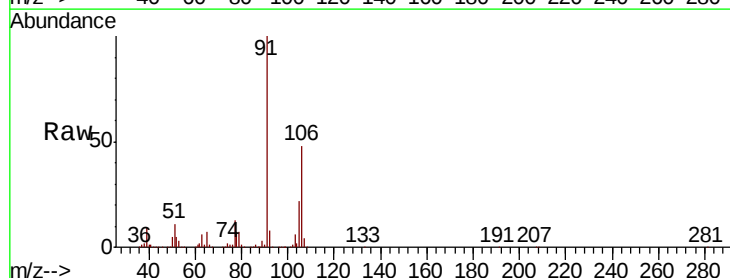
Acq: 25 Oct 2019 9:08

Tgt Ion: 106 Resp: 807919

Ion Ratio Lower Upper

106 100

91 208.2 166.6 249.8

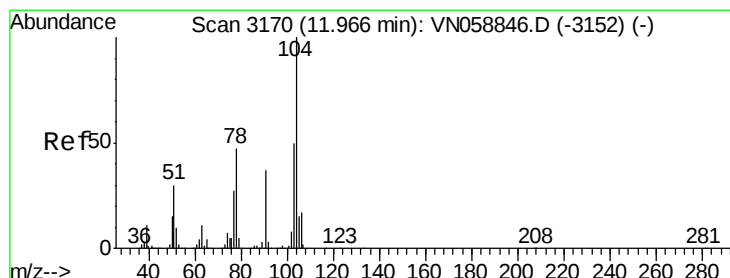
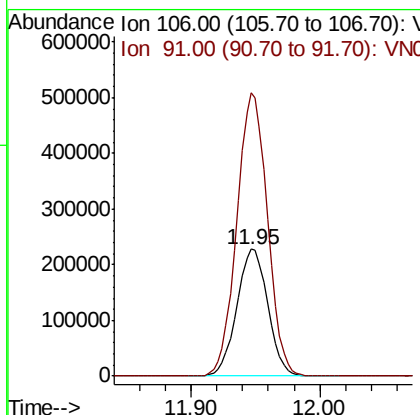
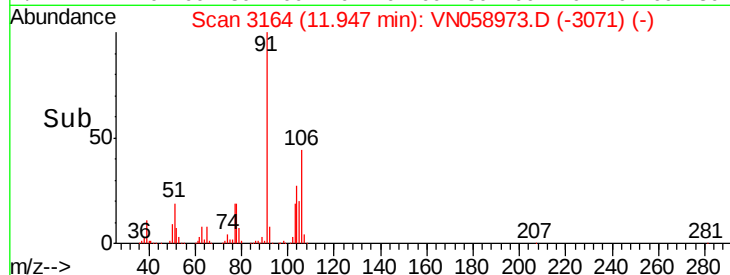
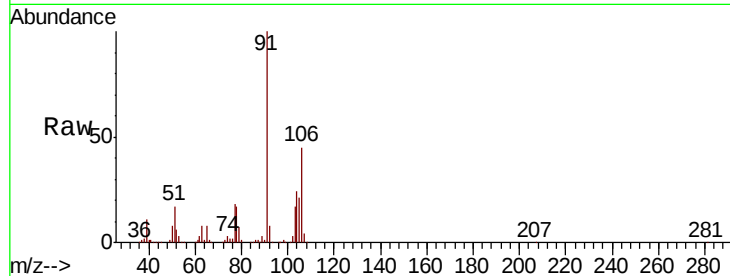




#69
o-Xylene
Concen: 55.535 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

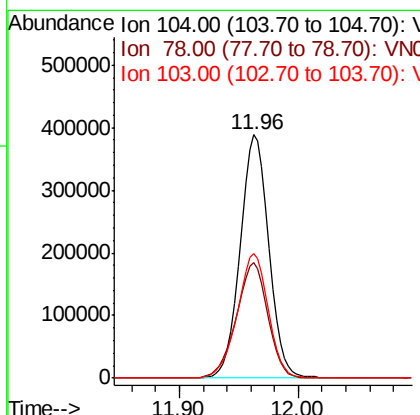
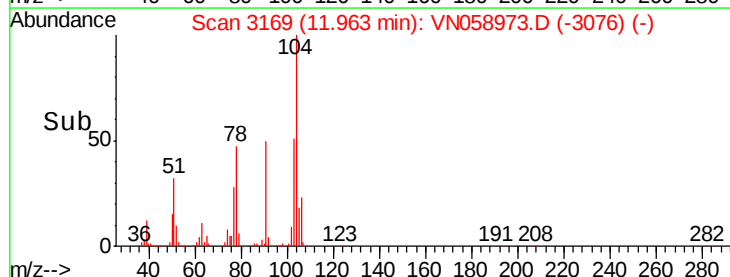
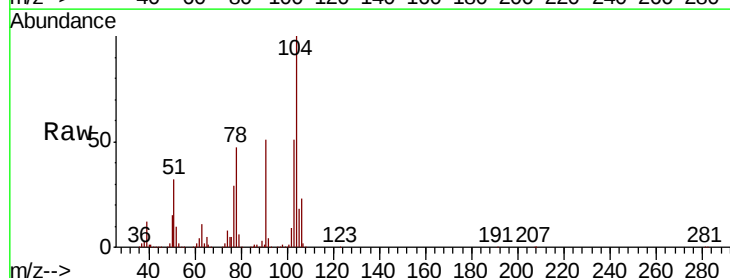
Instrument :
MSVOA_N
ClientSampled :

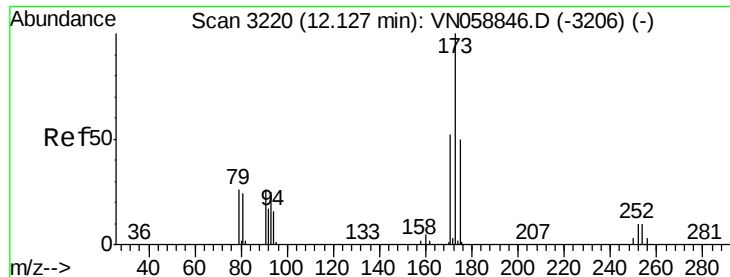
Tot Ion:106 Resp: 380471
Ion Ratio Lower Upper
106 100
91 220.5 111.5 334.4



#70
Styrene
Concen: 51.129 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:104 Resp: 647081
Ion Ratio Lower Upper
104 100
78 52.2 42.8 64.2
103 55.5 44.3 66.5

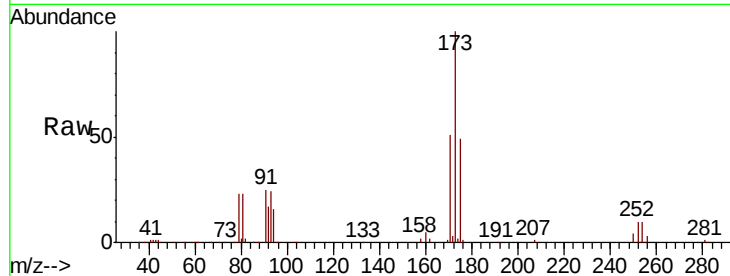




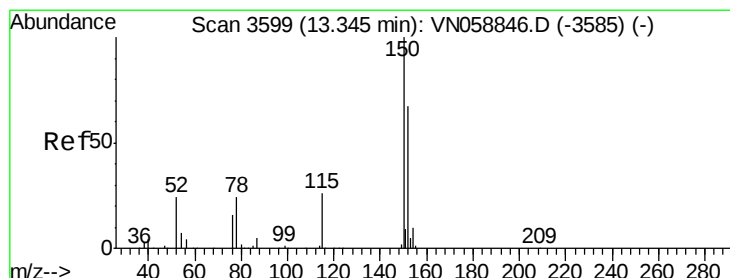
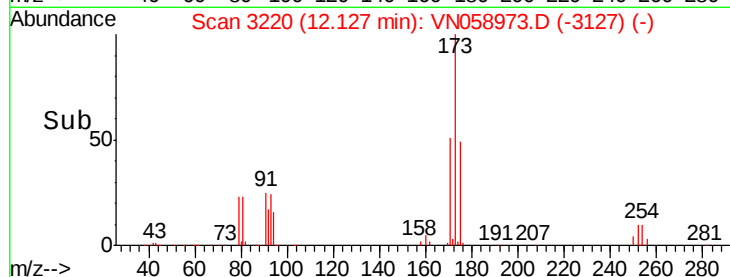
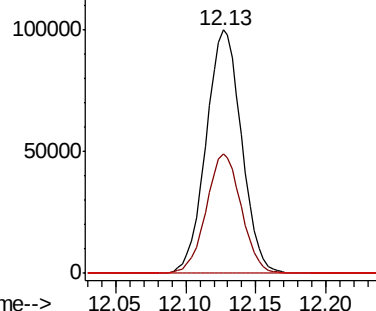
#71
Bromoform
Concen: 54.455 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 175950
Ion Ratio Lower Upper
173 100
175 48.4 24.7 74.1
254 0.1 0.0 0.0#

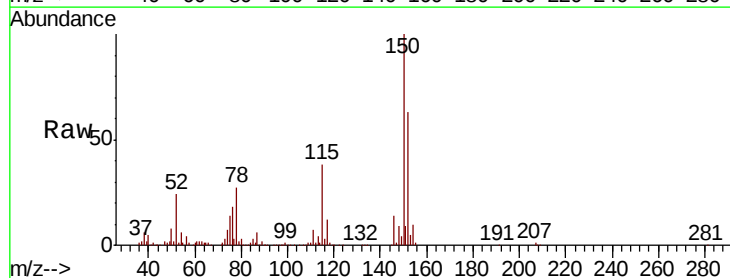


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

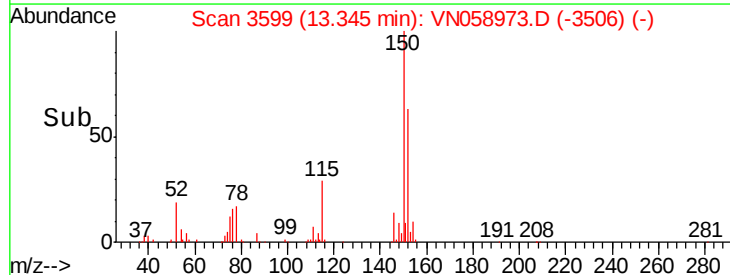
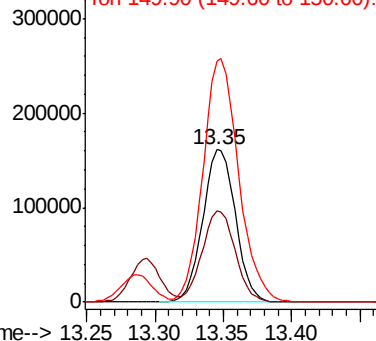


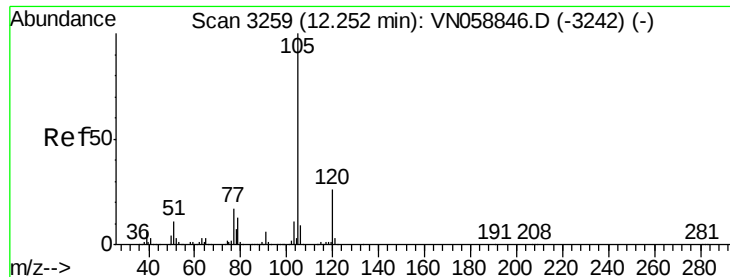
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:152 Resp: 268958
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 173.6 0.0 344.4



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: 53.083 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

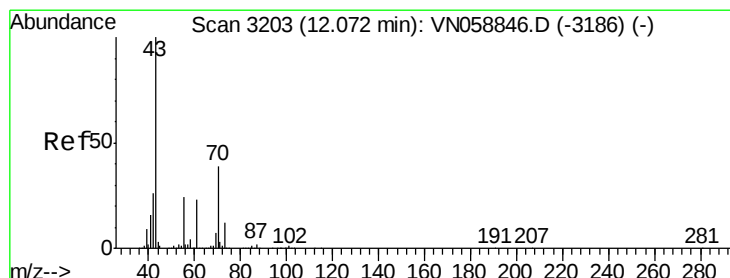
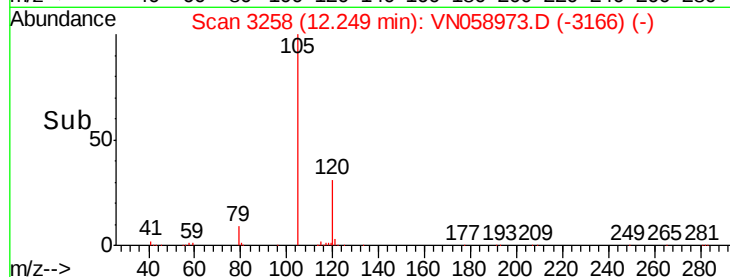
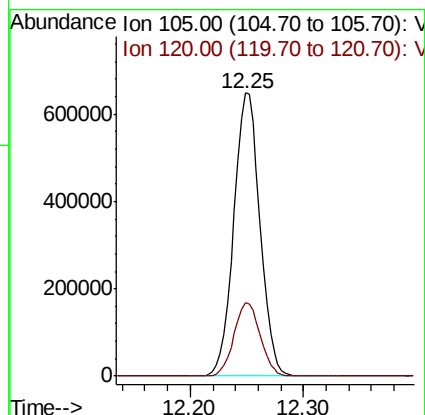
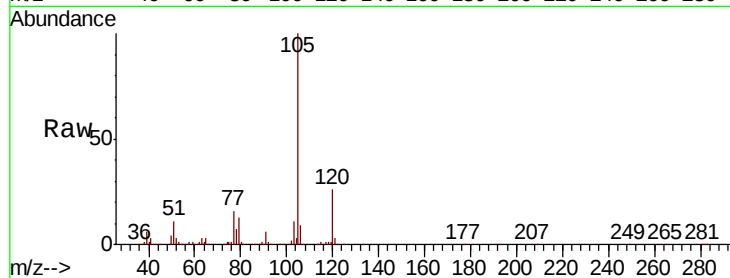
ClientSampleId :

Tot Ion:105 Resp: 1043391

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 53.955 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion: 43 Resp: 480795

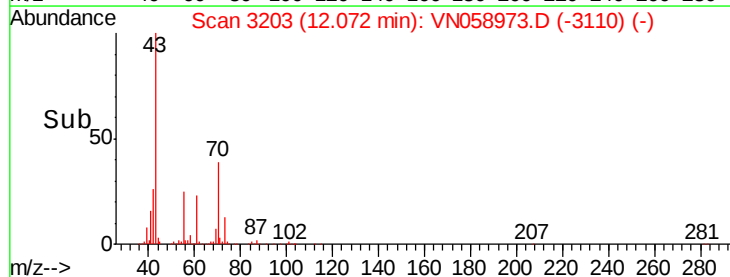
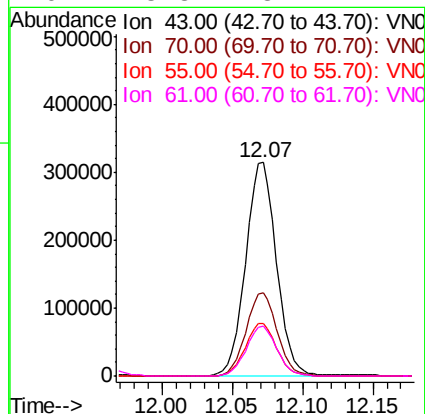
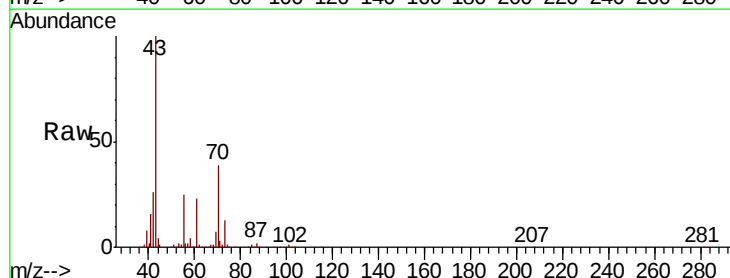
Ion Ratio Lower Upper

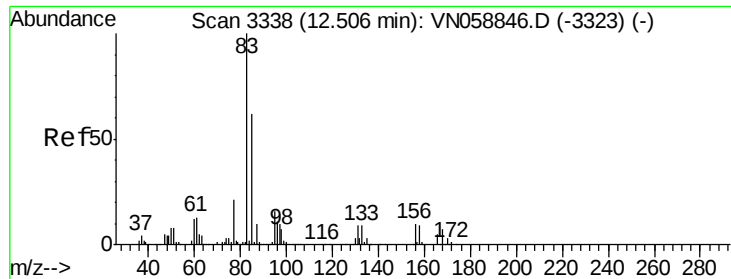
43 100

70 39.5 30.9 46.3

55 25.1 19.7 29.5

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.986 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

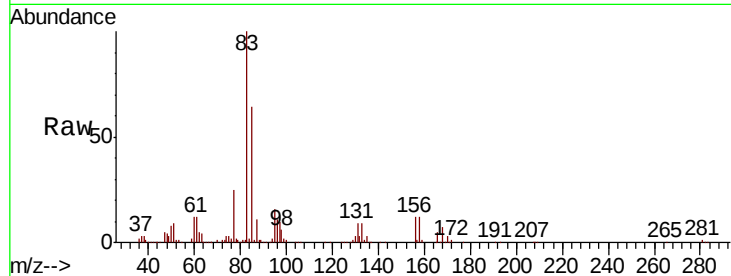
Tot Ion: 83 Resp: 345476

Ion Ratio Lower Upper

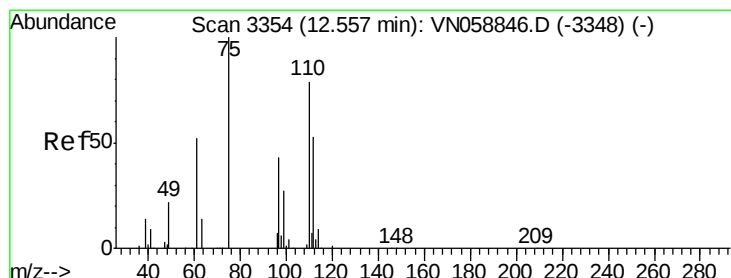
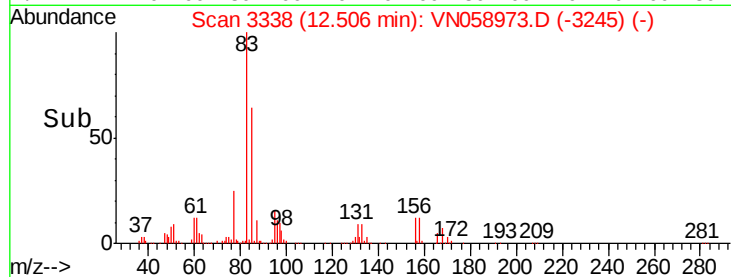
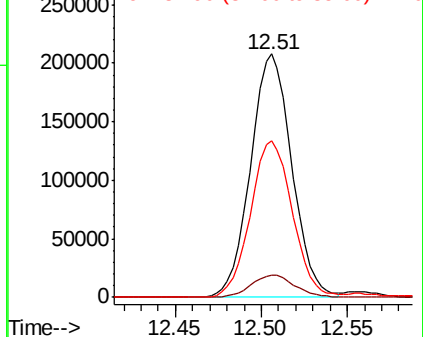
83 100

131 9.7 4.7 14.1

85 65.1 31.7 95.1



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



#76

1,2,3-Trichloropropane

Concen: 75.630 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058973.D

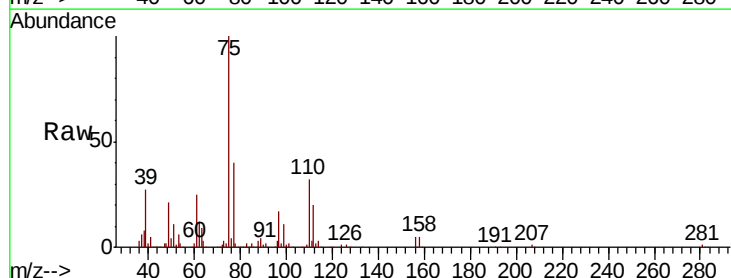
Acq: 25 Oct 2019 9:08

Tgt Ion: 75 Resp: 471431

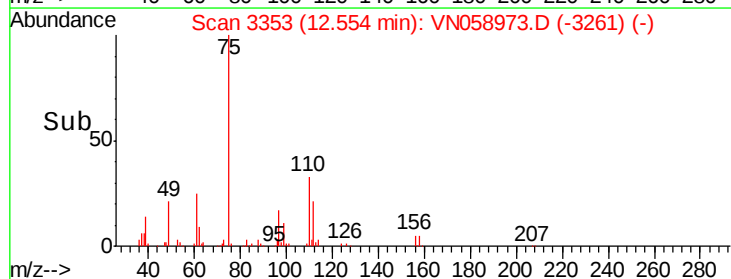
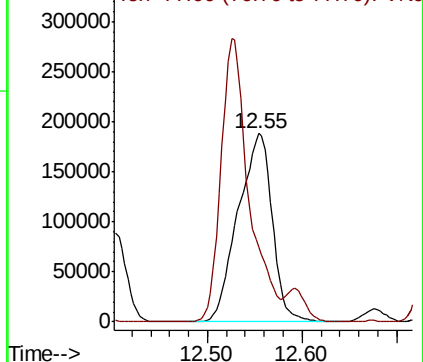
Ion Ratio Lower Upper

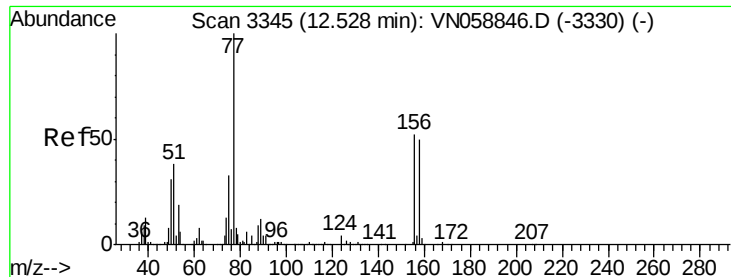
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.965 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

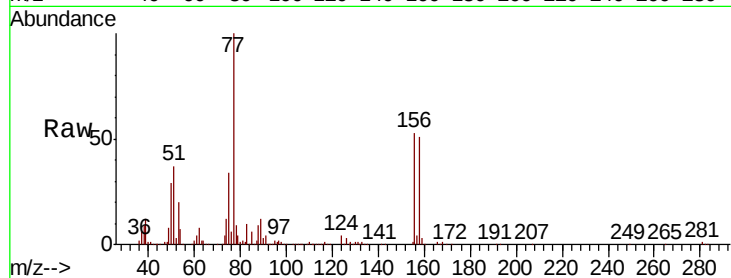
Tot Ion:156 Resp: 251761

Ion Ratio Lower Upper

156 100

77 230.9 118.0 354.0

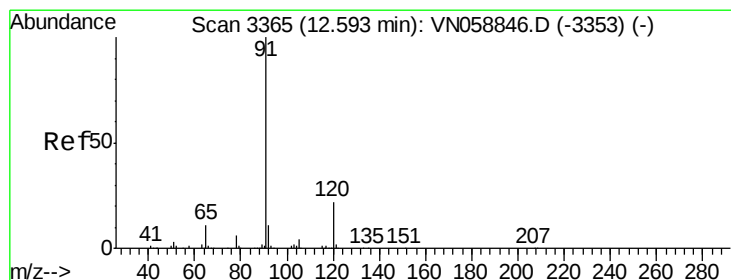
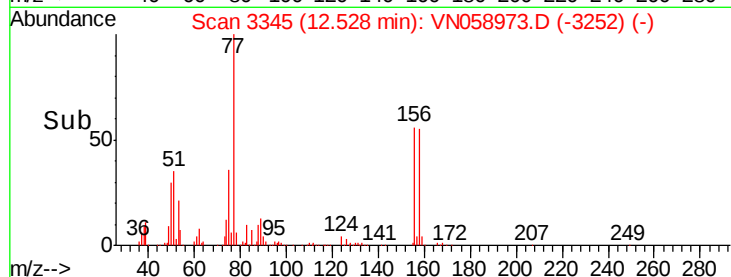
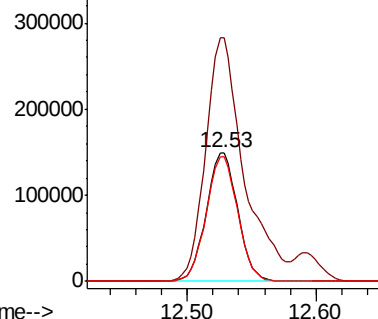
158 97.6 48.3 144.8



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: 54.836 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058973.D

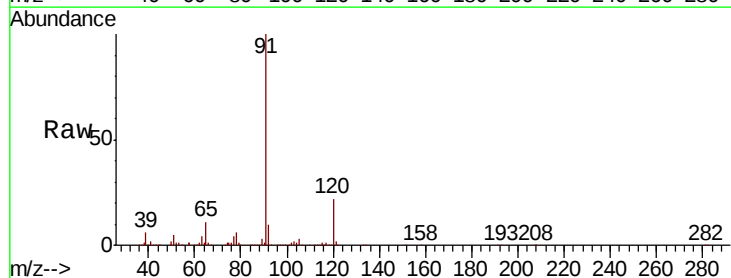
Acq: 25 Oct 2019 9:08

Tgt Ion: 91 Resp: 1274054

Ion Ratio Lower Upper

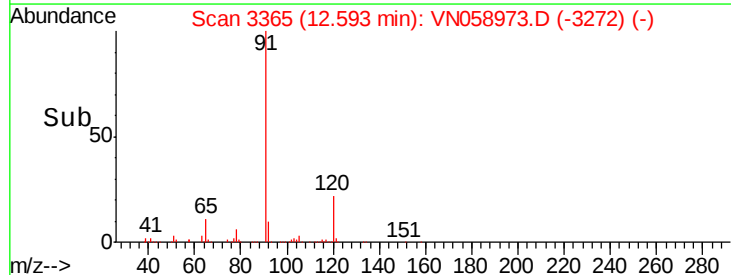
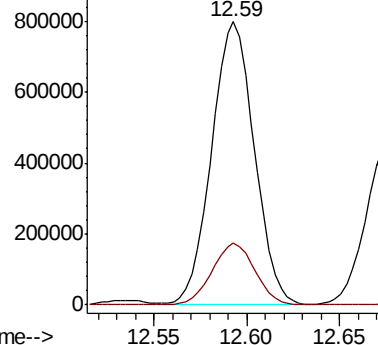
91 100

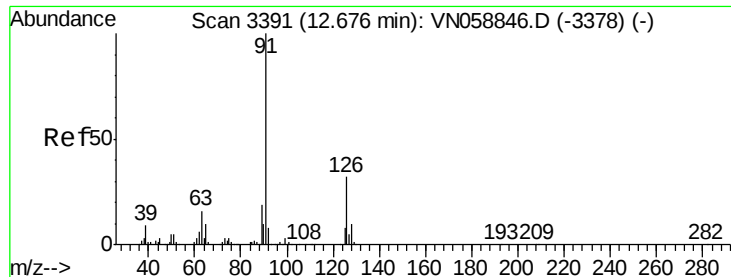
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.186 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

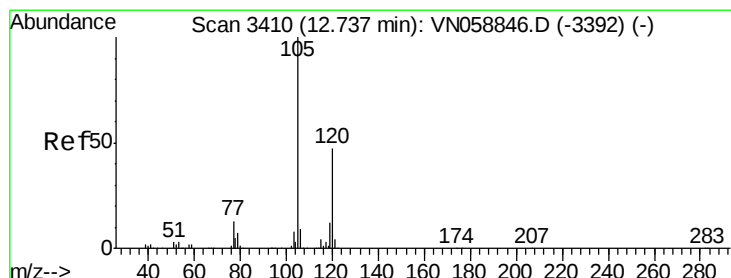
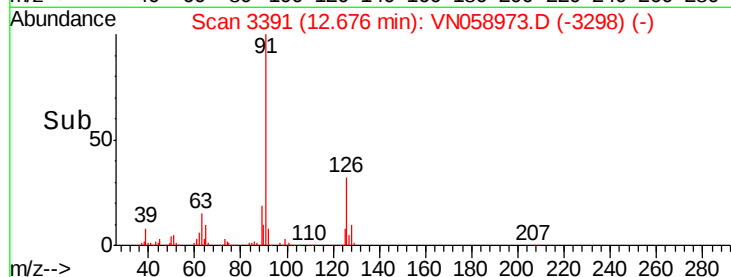
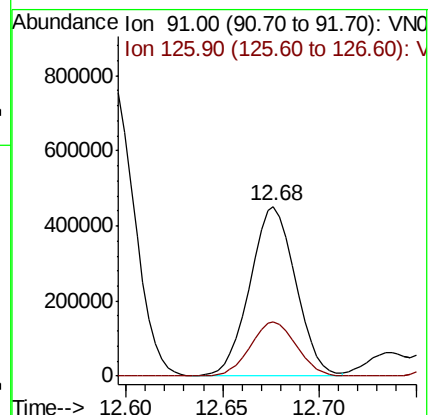
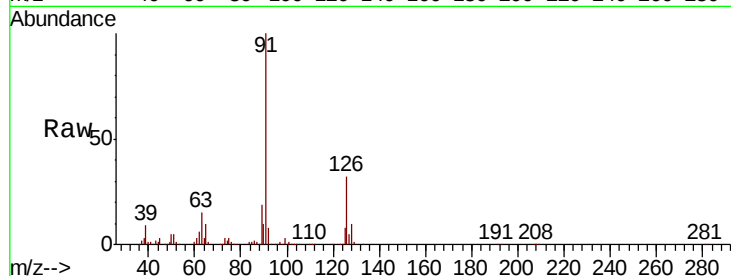
ClientSampleId :

Tot Ion: 91 Resp: 742095

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 54.556 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058973.D

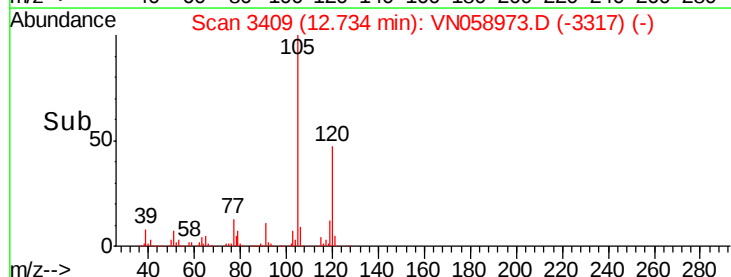
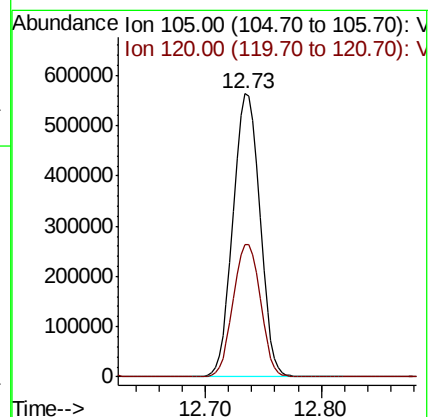
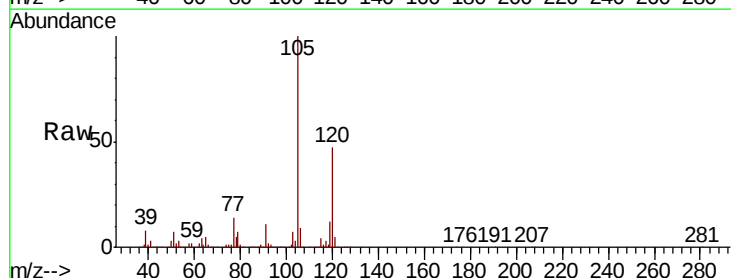
Acq: 25 Oct 2019 9:08

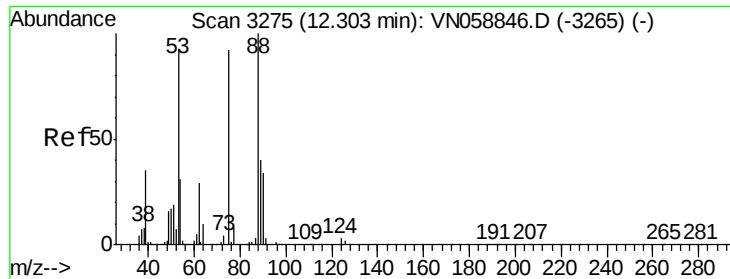
Tgt Ion: 105 Resp: 900967

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 52.133 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

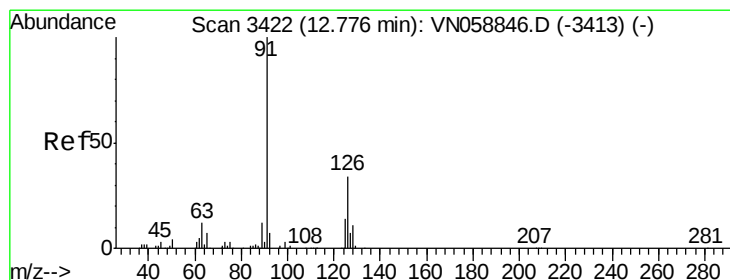
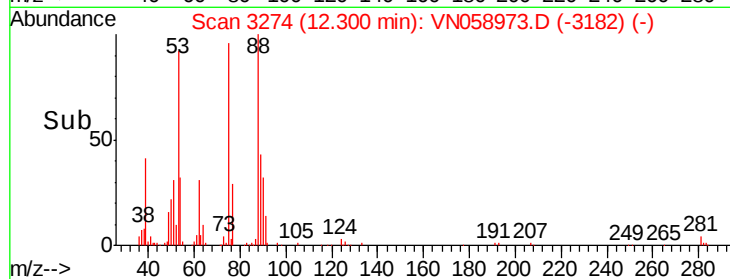
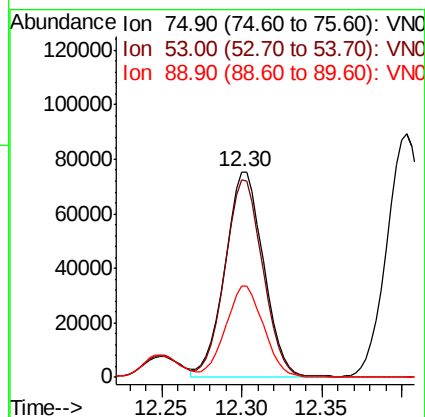
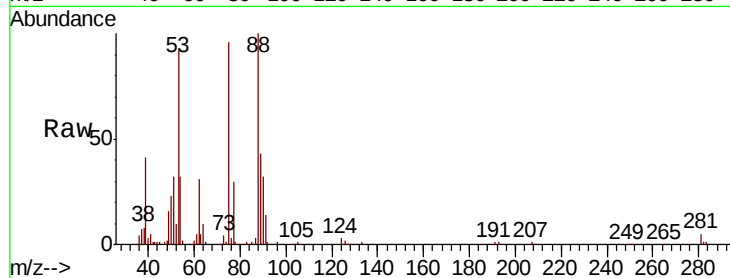
Tot Ion: 75 Resp: 124743

Ion Ratio Lower Upper

75 100

53 94.4 78.6 118.0

89 44.1 35.4 53.0



#82

4-Chlorotoluene

Concen: 53.292 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058973.D

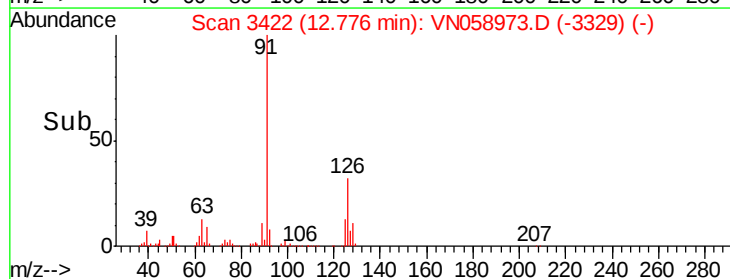
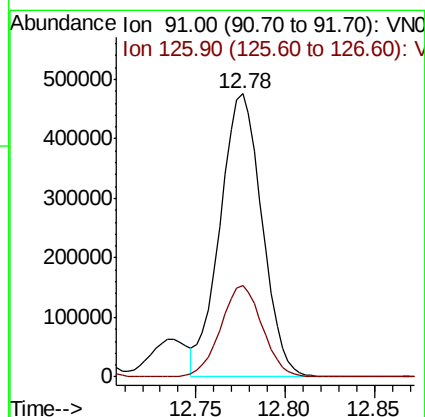
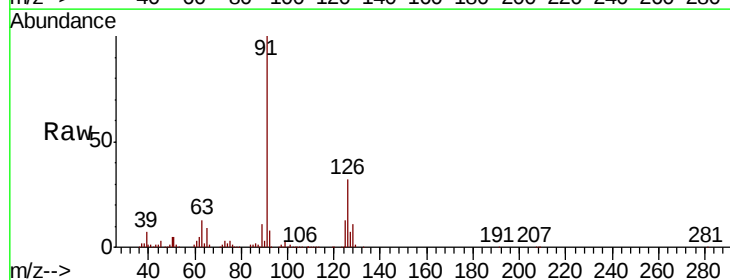
Acq: 25 Oct 2019 9:08

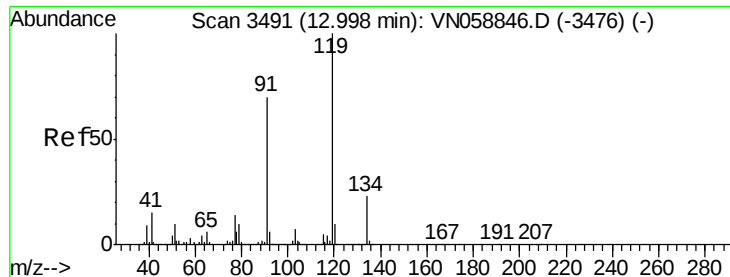
Tgt Ion: 91 Resp: 774437

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9

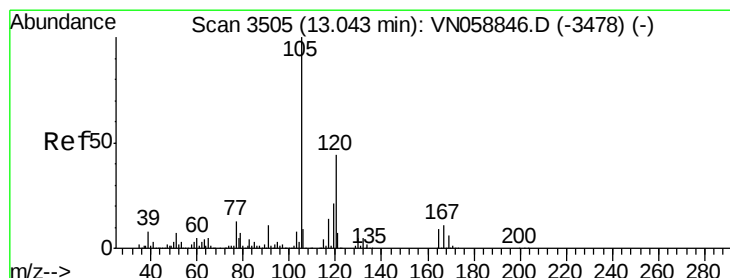
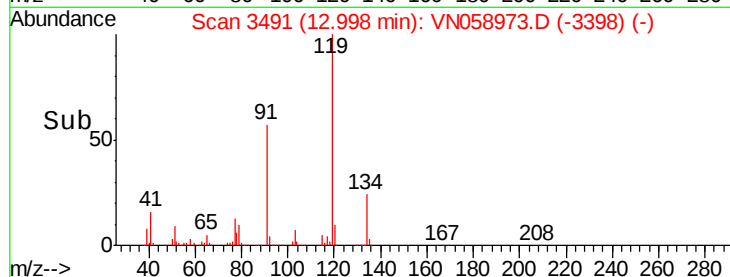
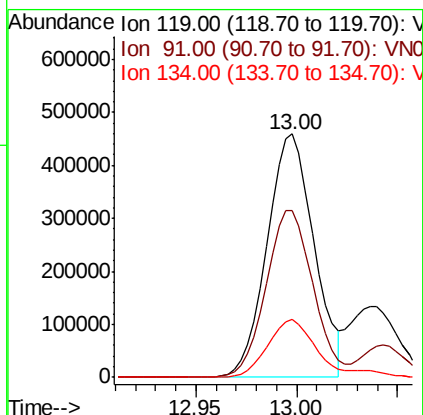
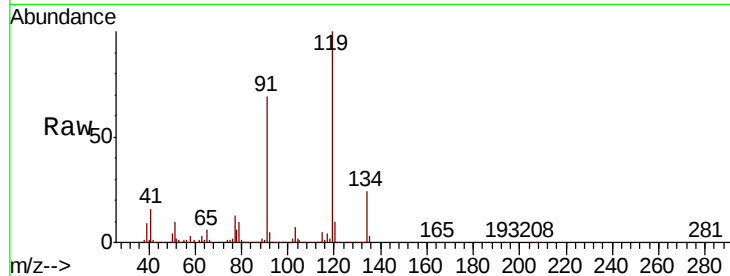




#83
tert-Butylbenzene
Concen: 52.574 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

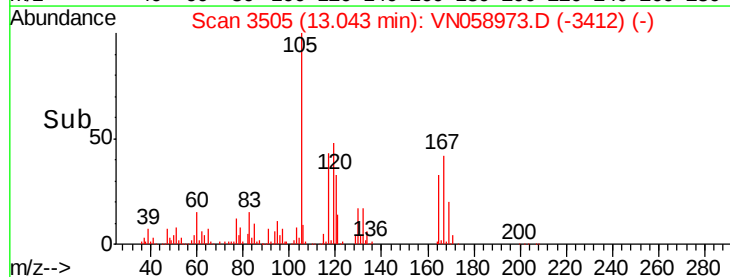
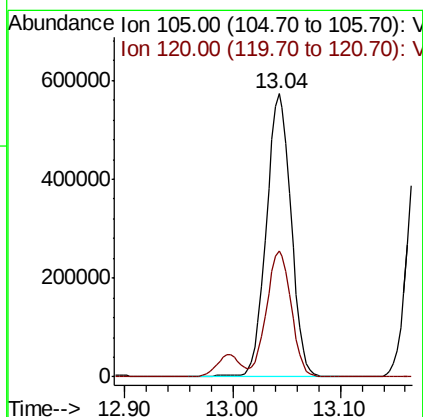
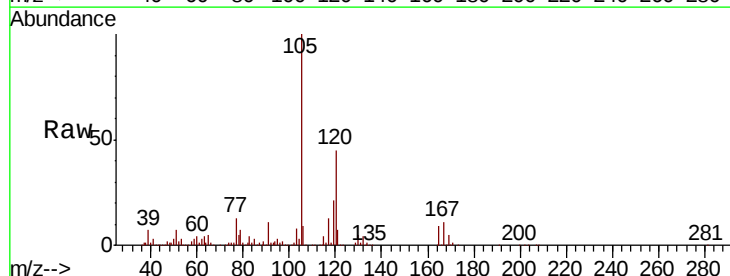
Instrument :
MSVOA_N
ClientSampleId :

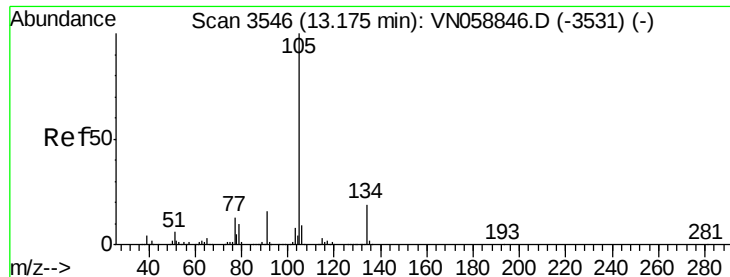
Tot Ion:119 Resp: 742453
Ion Ratio Lower Upper
119 100
91 68.4 34.1 102.3
134 23.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 55.891 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:105 Resp: 910412
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8





#85

sec-Butylbenzene

Concen: 54.718 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

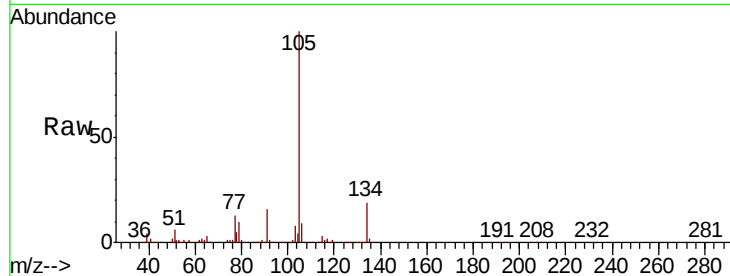
ClientSampleId :

Tot Ion:105 Resp: 1030243

Ion Ratio Lower Upper

105 100

134 19.4 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

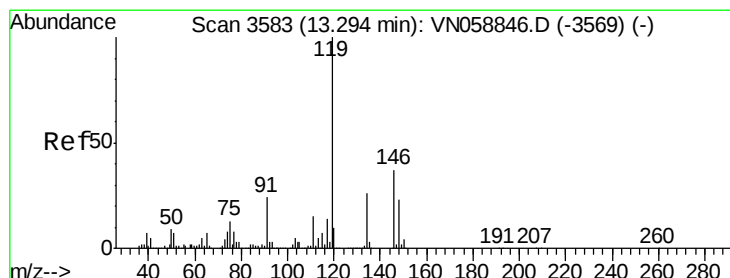
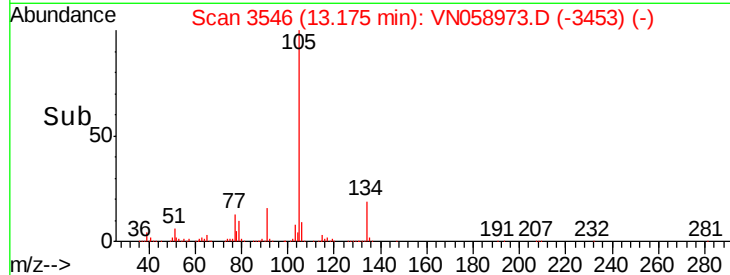
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 56.418 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

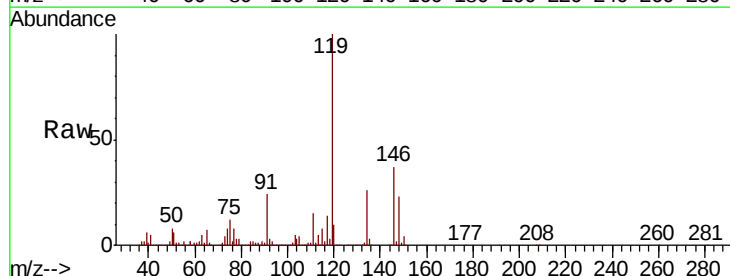
Tgt Ion:119 Resp: 937280

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 23.8 12.2 36.4



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

800000

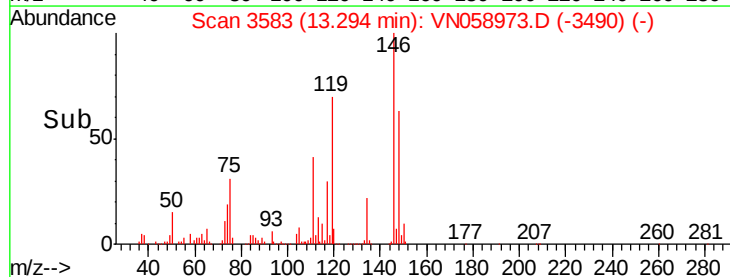
600000

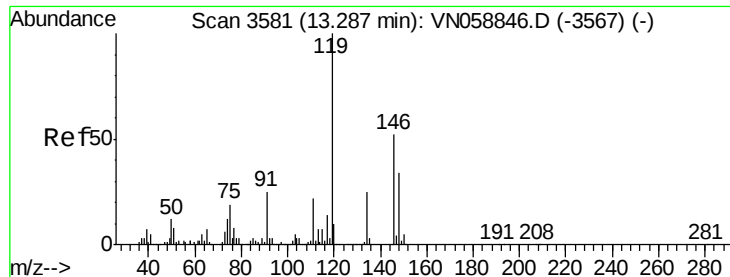
400000

200000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 53.314 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

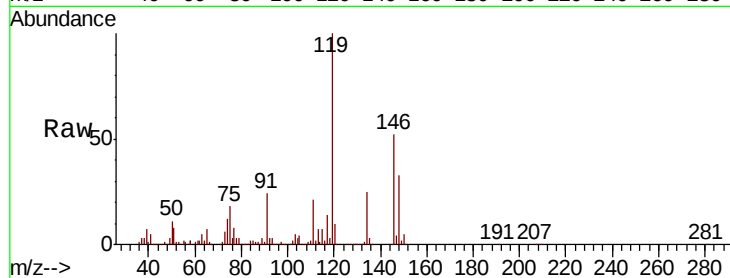
Tot Ion:146 Resp: 461856

Ion Ratio Lower Upper

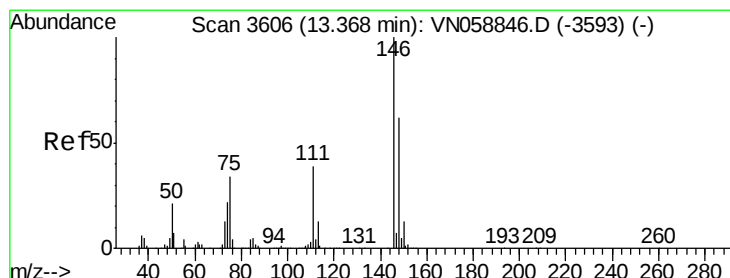
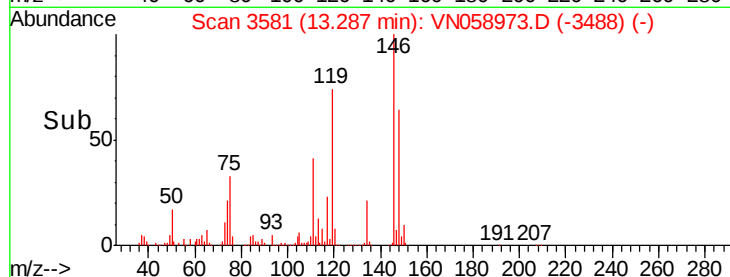
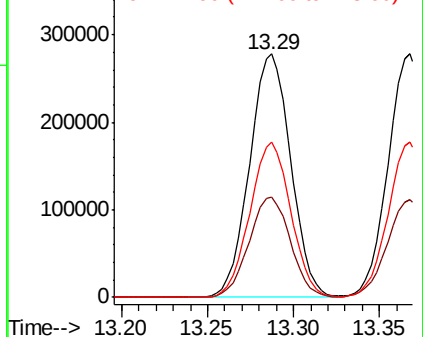
146 100

111 41.2 21.0 63.0

148 63.1 32.1 96.3



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: 52.625 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

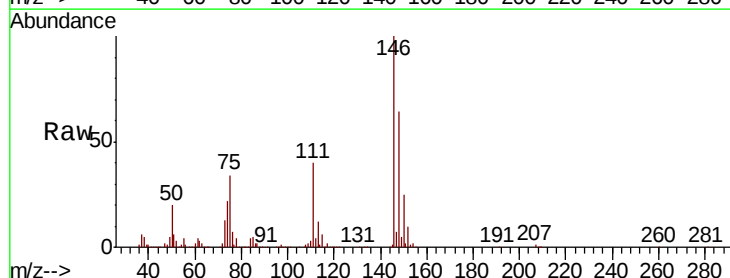
Tgt Ion:146 Resp: 456425

Ion Ratio Lower Upper

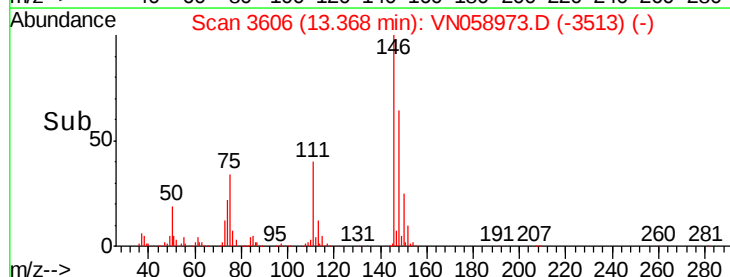
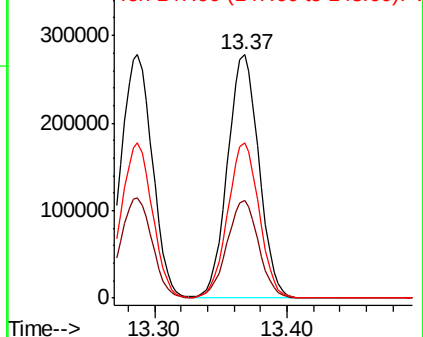
146 100

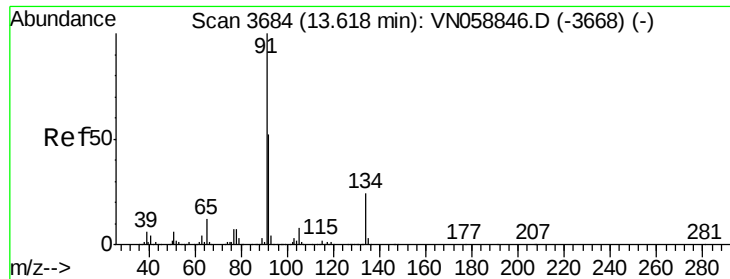
111 40.5 20.2 60.6

148 63.8 31.6 94.7



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





#89

n-Butylbenzene

Concen: 55.624 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

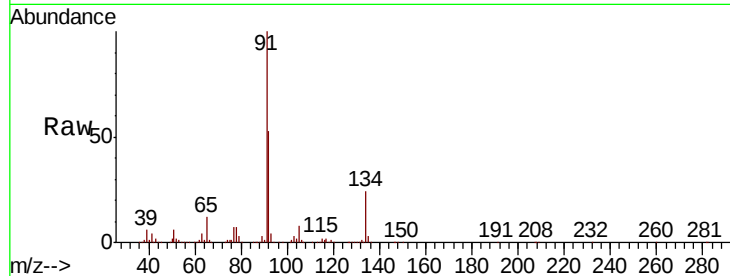
Tot Ion: 91 Resp: 848884

Ion Ratio Lower Upper

91 100

92 51.9 25.7 77.1

134 24.4 11.9 35.5

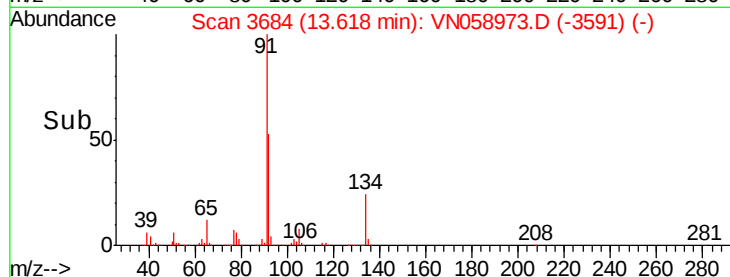


Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)

Time-->

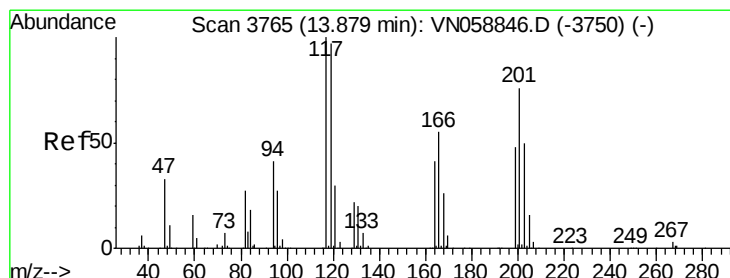


Abundance Ion 91.00 (90.70 to 91.70): VN058973.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058973.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058973.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 50.800 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058973.D

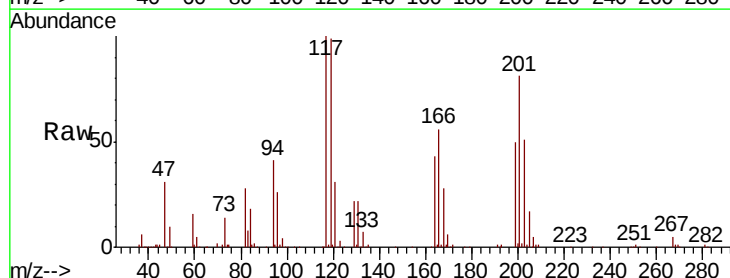
Acq: 25 Oct 2019 9:08

Tgt Ion: 117 Resp: 171013

Ion Ratio Lower Upper

117 100

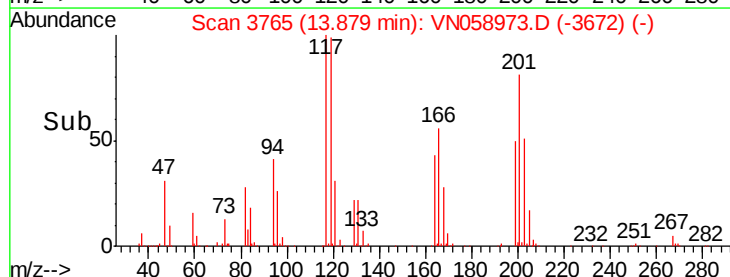
201 80.2 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058973.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058973.D (-3672) (-)

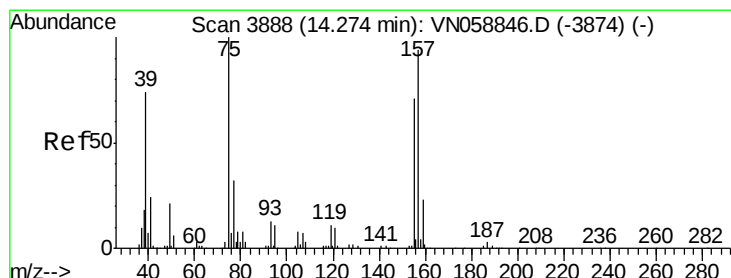
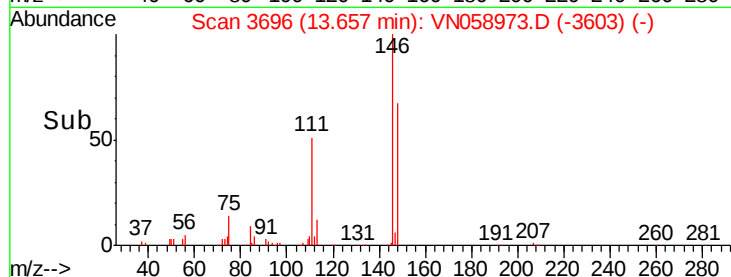
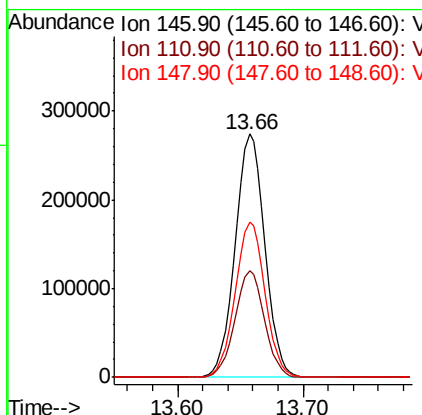
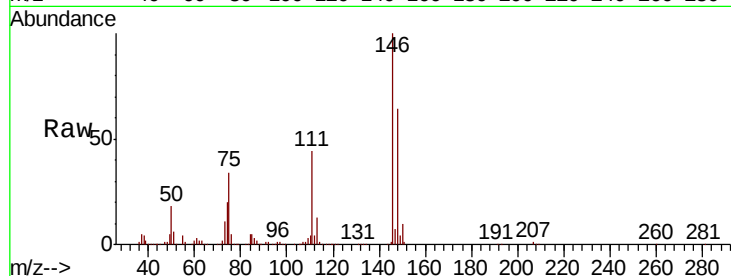
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 52.906 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

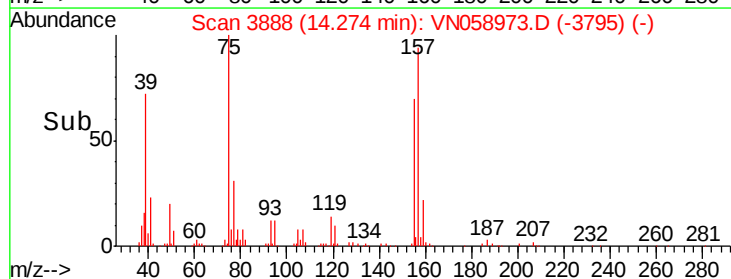
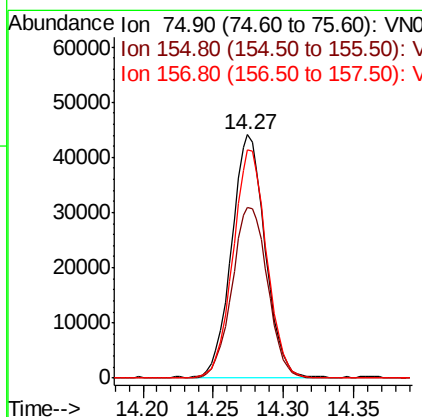
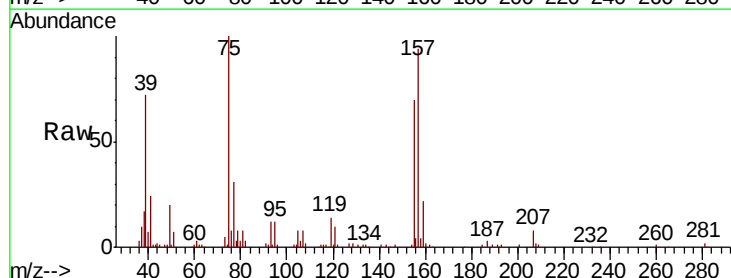
Instrument :
 MSVOA_N
 ClientSampleId :

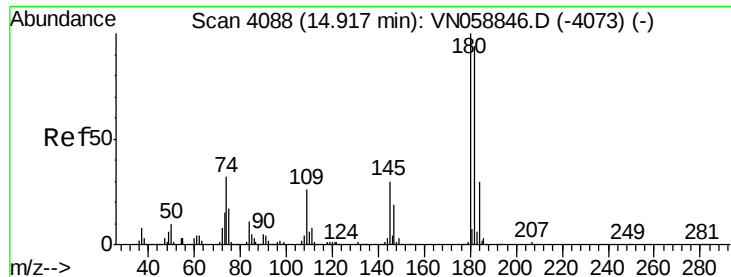
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.8
148	64.1	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.601 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	35.6	106.8
157	94.6	47.4	142.2

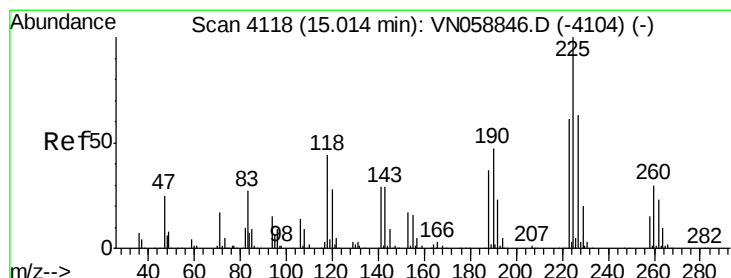
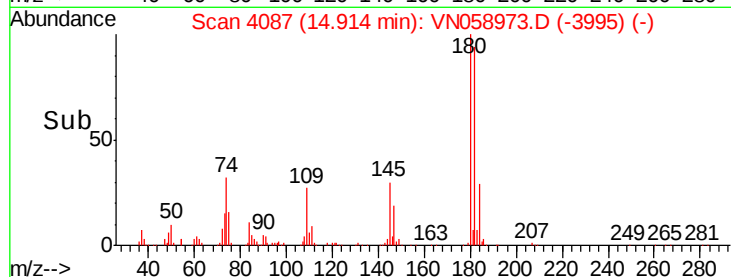
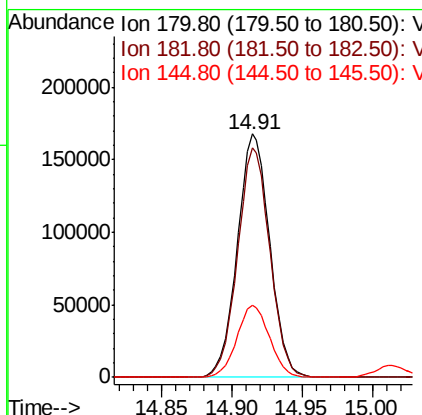
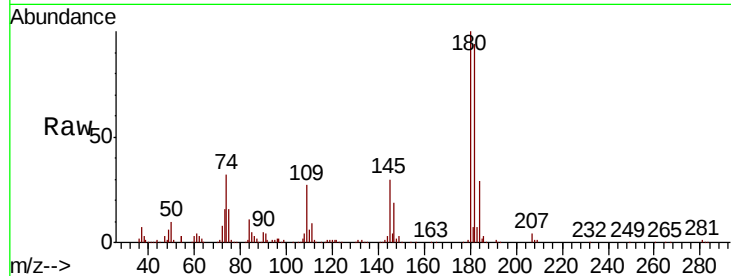




#93
 1,2,4-Trichlorobenzene
 Concen: 50.407 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

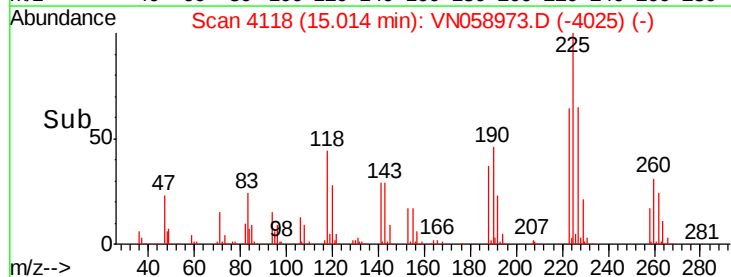
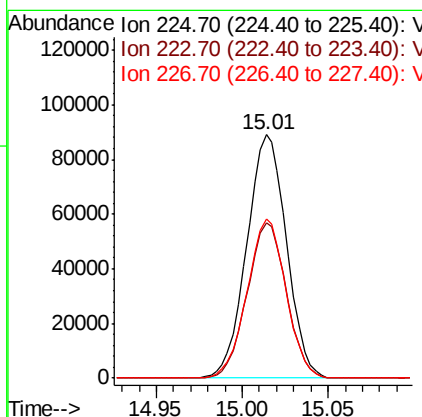
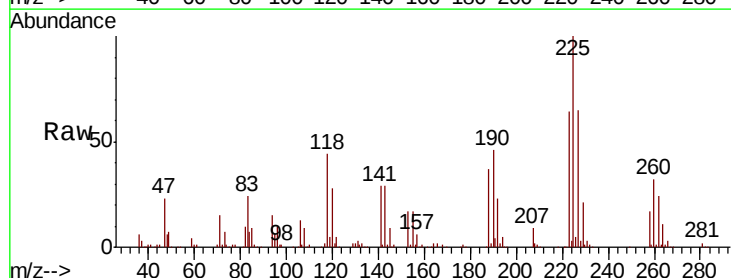
Instrument :
 MSVOA_N
 ClientSampled :

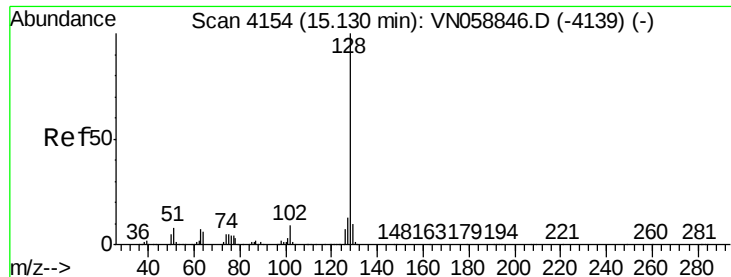
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	142.0
145	29.8	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 51.498 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.5
227	64.0	31.6	94.7

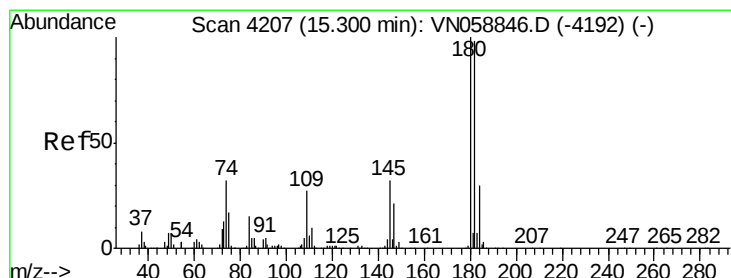
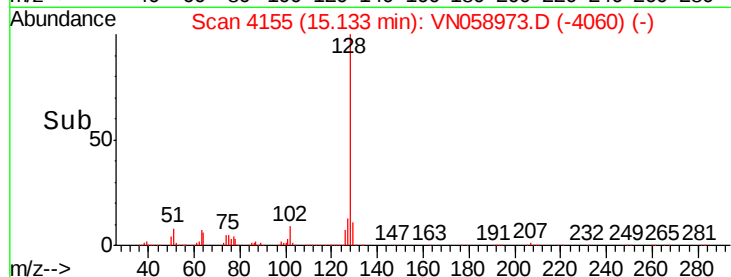
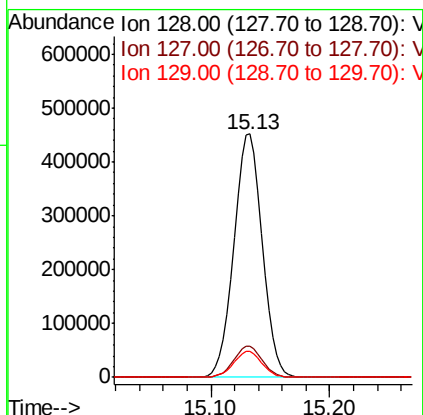
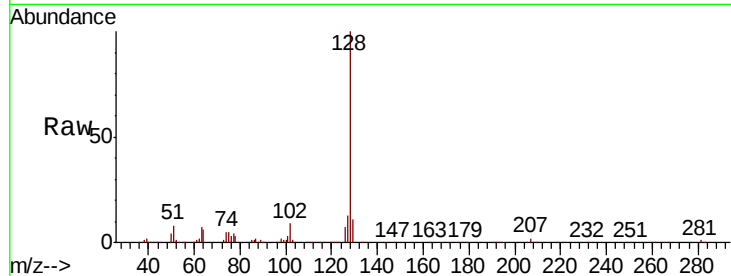




#95
Naphthalene
Concen: 48.509 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 746237
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 49.810 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion:180 Resp: 259867
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.7
145 32.1 15.9 47.7

