

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057966.D
 Acq On : 12 Sep 2019 13:26
 Operator : JC/SP
 Sample : VN0913WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Quant Time: Sep 13 04:44:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	306489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271482	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	320854	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.58	113	222132	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.09	98	916891	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	319996	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	86996	20.525	ug/l	97
3) Chloromethane	2.03	50	79232	18.341	ug/l	97
4) Vinyl Chloride	2.16	62	85422	18.683	ug/l	99
5) Bromomethane	2.54	94	44985	16.897	ug/l	97
6) Chloroethane	2.68	64	53075	18.217	ug/l	100
7) Trichlorofluoromethane	2.99	101	109193	18.977	ug/l	99
8) Diethyl Ether	3.39	74	46114	19.215	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72031	19.845	ug/l	99
10) Methyl Iodide	3.92	142	67964	16.826	ug/l	98
11) Tert butyl alcohol	4.77	59	78889	104.999	ug/l	100
12) 1,1-Dichloroethene	3.71	96	62026	19.006	ug/l	97
13) Acrolein	3.59	56	43665	68.502	ug/l	99
14) Allyl chloride	4.30	41	115225	18.041	ug/l	99
15) Acrylonitrile	4.96	53	207260	100.363	ug/l	99
16) Acetone	3.80	43	182834	89.845	ug/l	95
17) Carbon Disulfide	4.03	76	85367	16.912	ug/l	99
18) Methyl Acetate	4.30	43	120089	22.133	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	273954	20.171	ug/l	99
20) Methylene Chloride	4.53	84	82933	20.686	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	65663	18.612	ug/l	93
22) Diisopropyl ether	5.93	45	300730	20.079	ug/l	95
23) Vinyl Acetate	5.88	43	1081867	101.922	ug/l	99
24) 1,1-Dichloroethane	5.82	63	163645	19.992	ug/l	99
25) 2-Butanone	6.82	43	293353	99.598	ug/l	99
26) 2,2-Dichloropropane	6.81	77	111750	17.251	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90990	19.245	ug/l	99
28) Bromochloromethane	7.18	49	83751	20.480	ug/l	96
29) Tetrahydrofuran	7.20	42	184103	101.438	ug/l	99
30) Chloroform	7.36	83	170064	19.870	ug/l	98
31) Cyclohexane	7.64	56	117650	19.738	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	130384	19.208	ug/l	98
36) 1,1-Dichloropropene	7.78	75	106178	18.379	ug/l	99
37) Ethyl Acetate	6.91	43	116929	19.590	ug/l	99
38) Carbon Tetrachloride	7.76	117	103970	19.712	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	107673	17.729	ug/l	93
40) Benzene	8.03	78	345006	19.836	ug/l	98
41) Methacrylonitrile	7.19	41	178553	65.899	ug/l #	28
42) 1,2-Dichloroethane	8.11	62	138662	19.934	ug/l	100
43) Isopropyl Acetate	8.15	43	211409	21.061	ug/l #	87
44) Trichloroethene	8.83	130	80742	18.927	ug/l	95
45) 1,2-Dichloropropane	9.11	63	103184	20.388	ug/l	98
46) Dibromomethane	9.20	93	61990	20.269	ug/l	99
47) Bromodichloromethane	9.40	83	122840	20.114	ug/l	98
48) Methyl methacrylate	9.19	41	98163	19.279	ug/l	98
49) 1,4-Dioxane	9.19	88	34665	402.580	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	652483	109.845	ug/l	99
52) Toluene	10.15	92	211956	19.348	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	120957	18.808	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	135697	19.111	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95024	20.478	ug/l	98
56) Ethyl methacrylate	10.43	69	138440	19.811	ug/l	98
57) 1,3-Dichloropropane	10.71	76	164939	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	334863	101.744	ug/l	99
59) 2-Hexanone	10.75	43	460071	103.333	ug/l	99
60) Dibromochloromethane	10.90	129	82104	19.054	ug/l	100
61) 1,2-Dibromoethane	11.01	107	88312	20.130	ug/l	98
64) Tetrachloroethene	10.63	164	66065	18.902	ug/l	96
65) Chlorobenzene	11.44	112	242349	19.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82938	19.294	ug/l	98
67) Ethyl Benzene	11.51	91	430195	19.814	ug/l	98
68) m/p-Xylenes	11.62	106	311898	39.218	ug/l	100
69) o-Xylene	11.95	106	155597	19.680	ug/l	98
70) Styrene	11.97	104	270642	19.890	ug/l	100
71) Bromoform	12.13	173	48580	18.126	ug/l #	98
73) Isopropylbenzene	12.25	105	435192	20.658	ug/l	100
74) N-amyl acetate	12.07	43	183606	20.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143896	20.287	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	172083	28.020	ug/l #	100
77) Bromobenzene	12.53	156	102004	19.421	ug/l	98
78) n-propylbenzene	12.60	91	500444	20.688	ug/l	99
79) 2-Chlorotoluene	12.68	91	301256	19.704	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	363267	20.409	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29085	16.666	ug/l	85
82) 4-Chlorotoluene	12.78	91	309060	19.684	ug/l	100
83) tert-Butylbenzene	13.00	119	321284	20.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	366092	20.237	ug/l	99
85) sec-Butylbenzene	13.18	105	430208	20.514	ug/l	99
86) p-Isopropyltoluene	13.30	119	380230	20.578	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186357	19.331	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	186132	19.021	ug/l	99
89) n-Butylbenzene	13.62	91	342852	19.648	ug/l	100
90) Hexachloroethane	13.88	117	52869	19.239	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	189168	19.641	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23443	20.013	ug/l	98

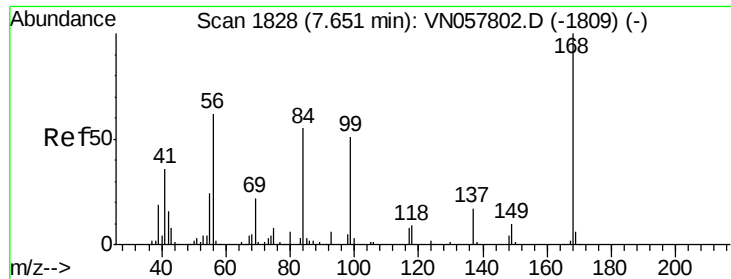
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110151	17.498	ug/l	98
94) Hexachlorobutadiene	15.01	225	49280	18.467	ug/l	99
95) Naphthalene	15.13	128	318703	19.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105545	19.820	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

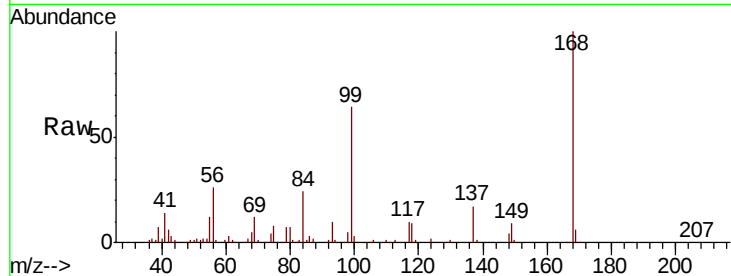
VN0913WBSD01

Tgt Ion:168 Resp: 306489

Ion Ratio Lower Upper

168 100

99 63.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

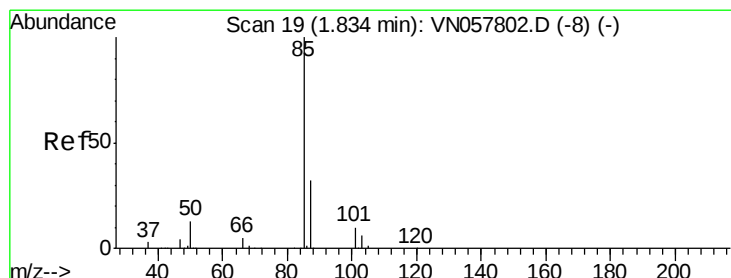
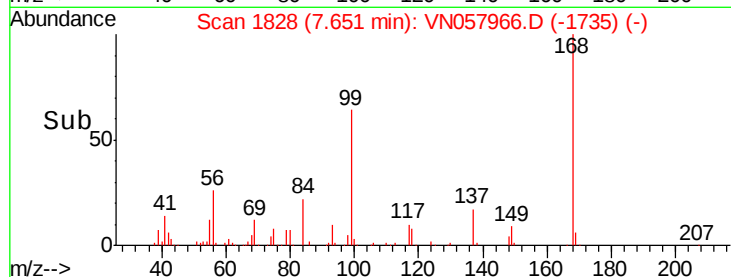
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.525 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057966.D

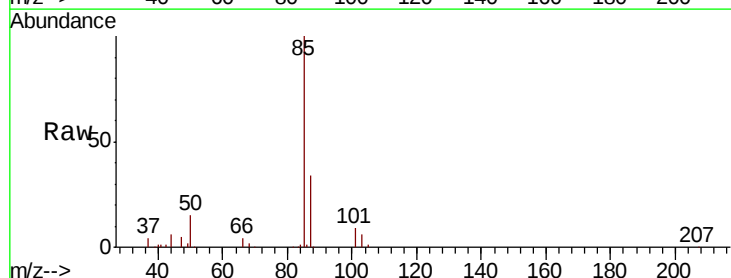
Acq: 12 Sep 2019 13:26

Tgt Ion: 85 Resp: 86996

Ion Ratio Lower Upper

85 100

87 33.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

60000

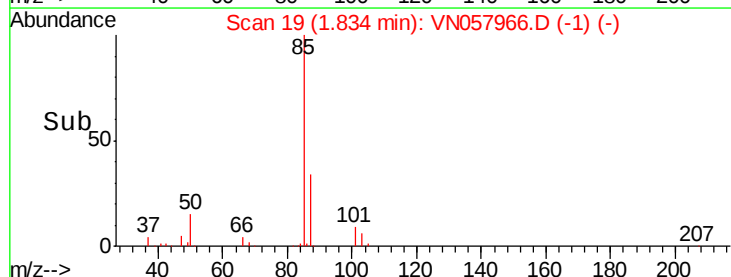
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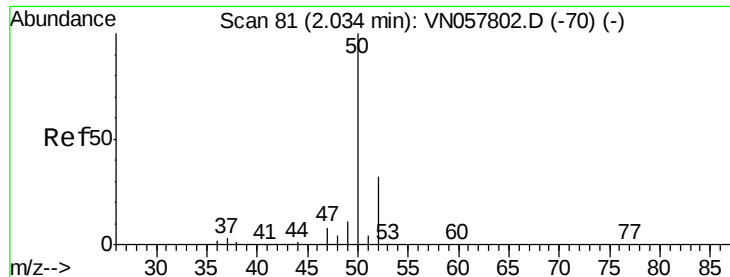
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.341 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

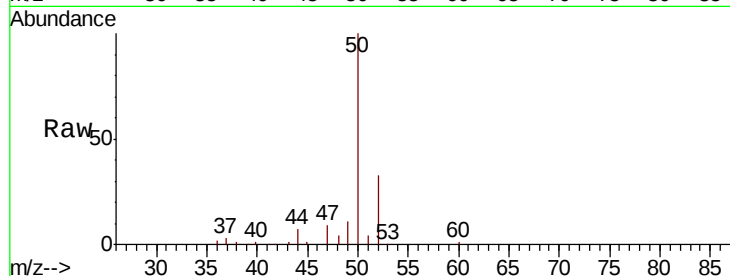
VN0913WBSD01

Tgt Ion: 50 Resp: 79232

Ion Ratio Lower Upper

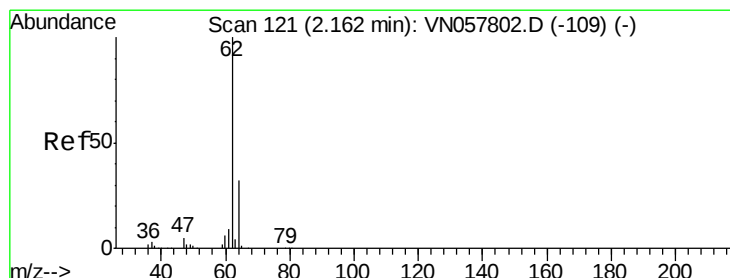
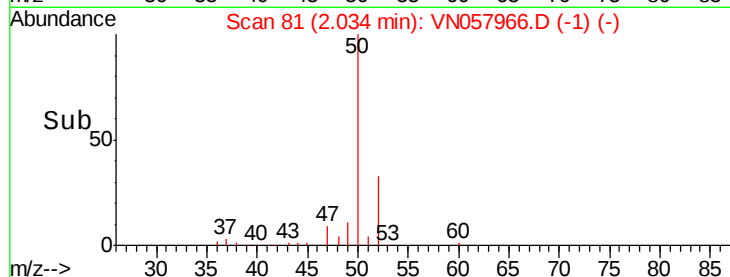
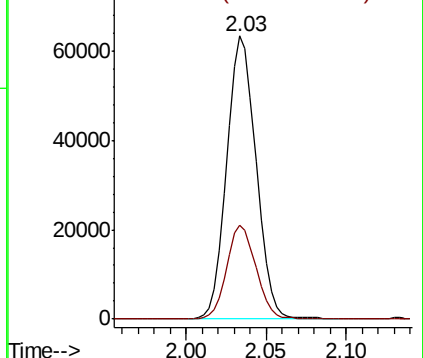
50 100

52 33.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.683 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057966.D

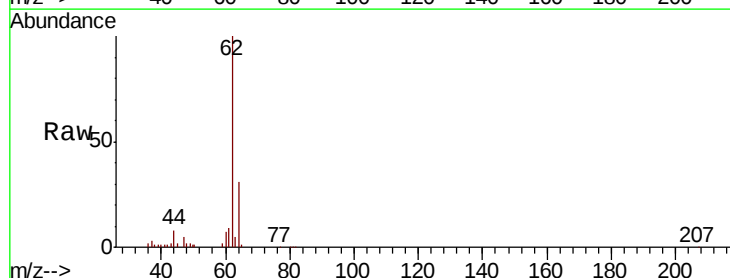
Acq: 12 Sep 2019 13:26

Tgt Ion: 62 Resp: 85422

Ion Ratio Lower Upper

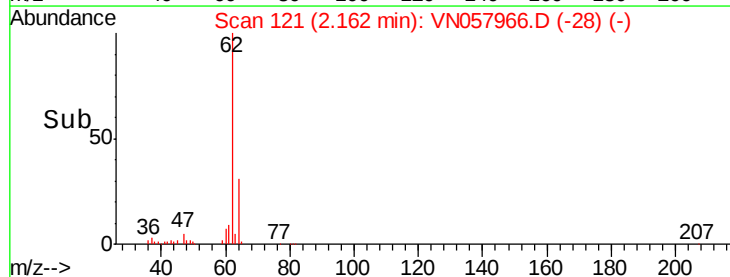
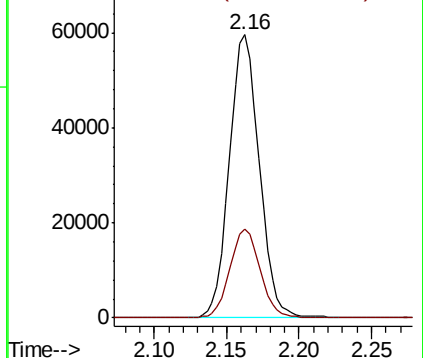
62 100

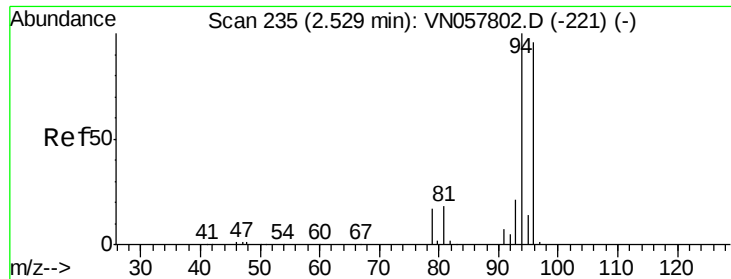
64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.897 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

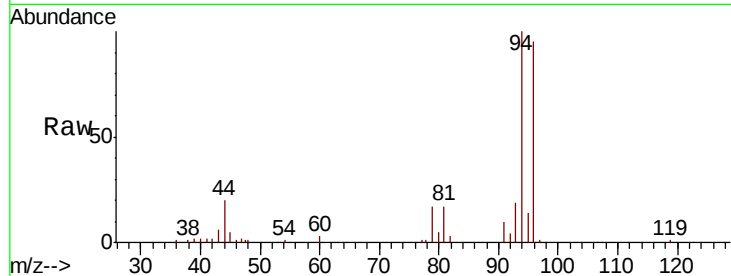
VN0913WBSD01

Tgt Ion: 94 Resp: 44985

Ion Ratio Lower Upper

94 100

96 93.7 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

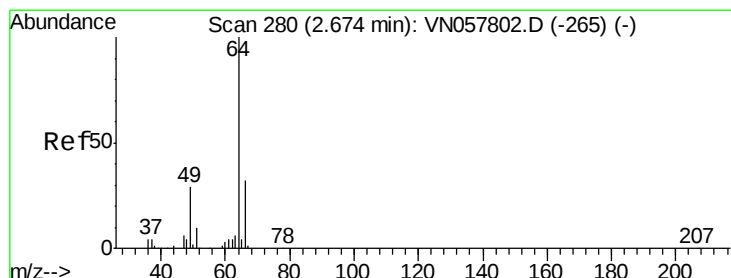
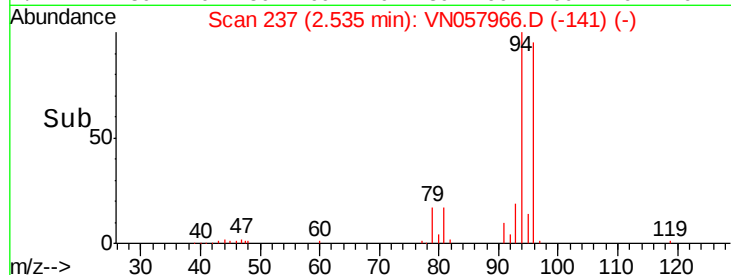
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.217 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057966.D

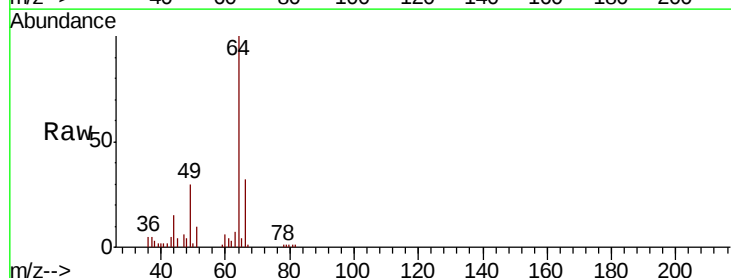
Acq: 12 Sep 2019 13:26

Tgt Ion: 64 Resp: 53075

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

30000

25000

20000

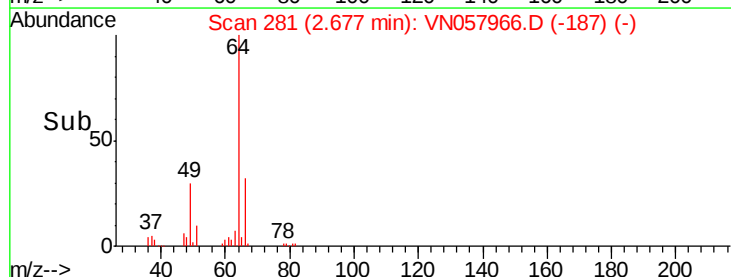
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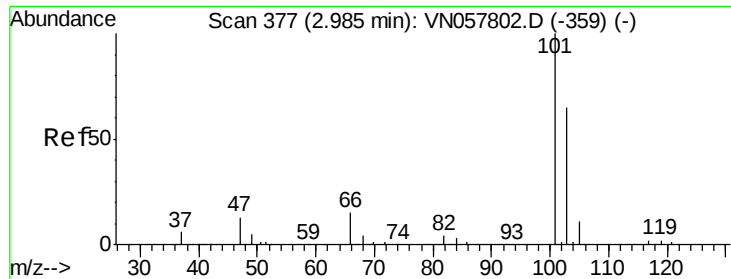
10000

5000

0

Time-->



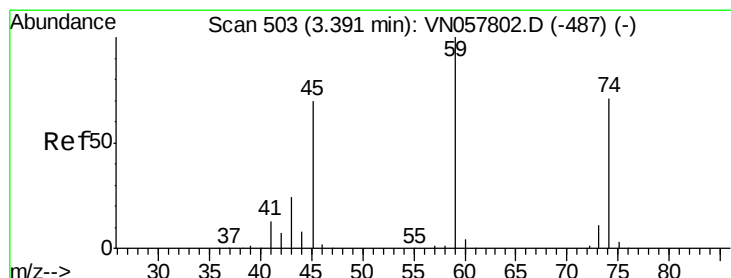
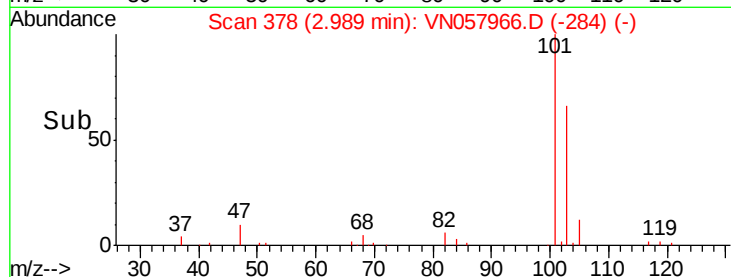
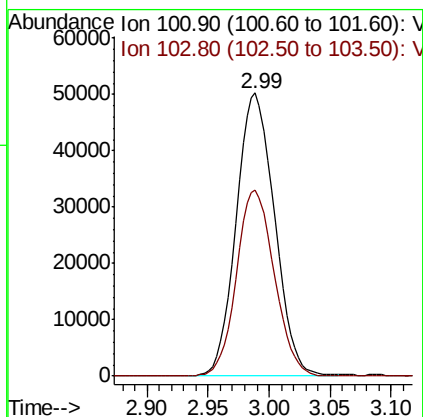
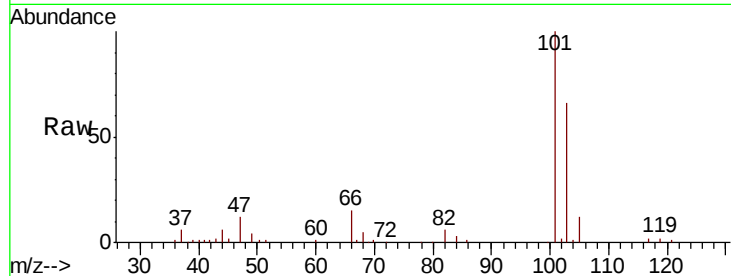


#7

Trichlorofluoromethane
 Concen: 18.977 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

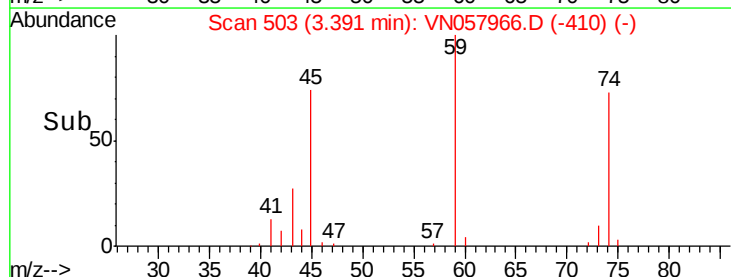
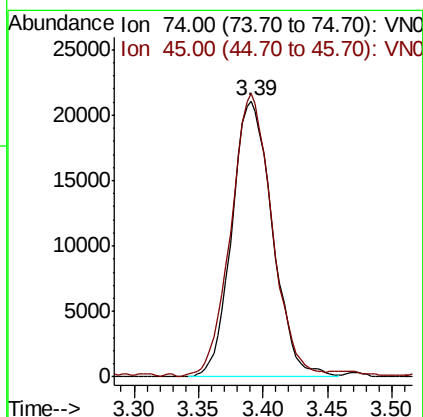
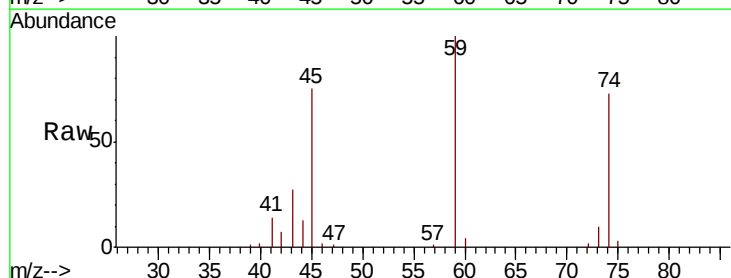
Tgt Ion:101 Resp: 109193
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.9 77.9

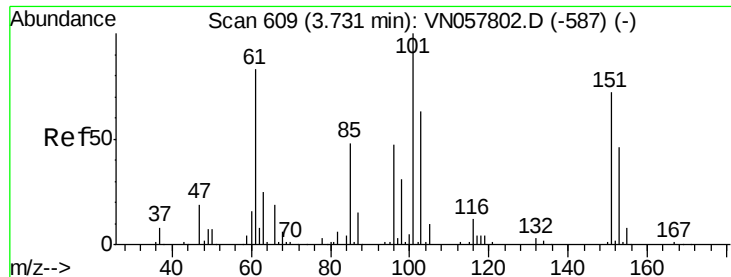


#8

Diethyl Ether
 Concen: 19.215 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 74 Resp: 46114
 Ion Ratio Lower Upper
 74 100
 45 104.4 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.845 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

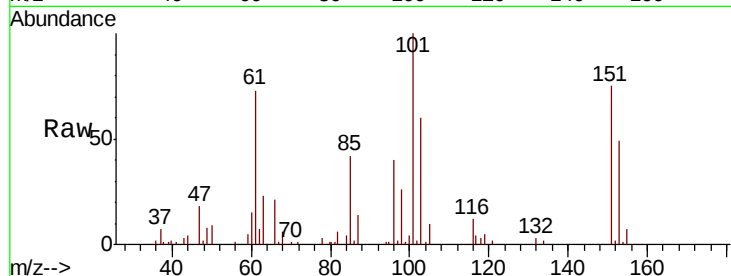
Tgt Ion:101 Resp: 72031

Ion Ratio Lower Upper

101 100

85 47.1 38.1 57.1

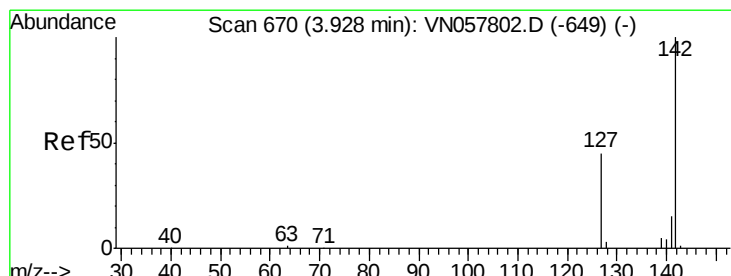
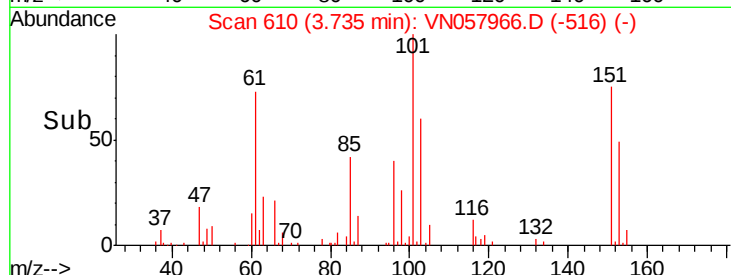
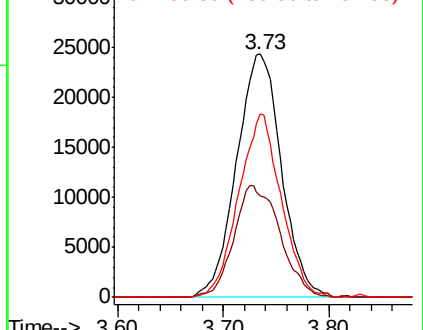
151 71.4 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.826 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

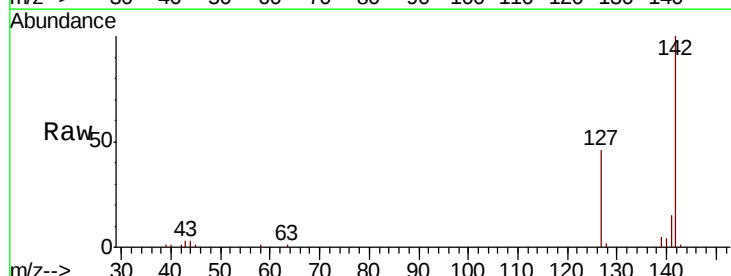
Tgt Ion:142 Resp: 67964

Ion Ratio Lower Upper

142 100

127 47.1 36.7 55.1

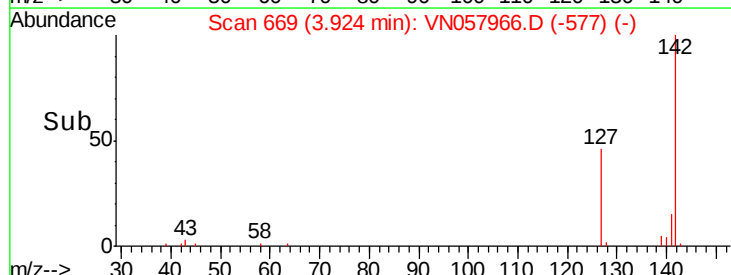
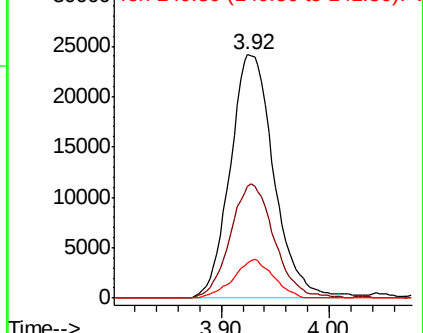
141 14.6 11.4 17.0

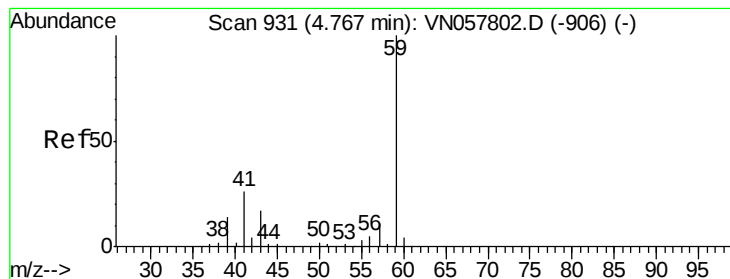


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



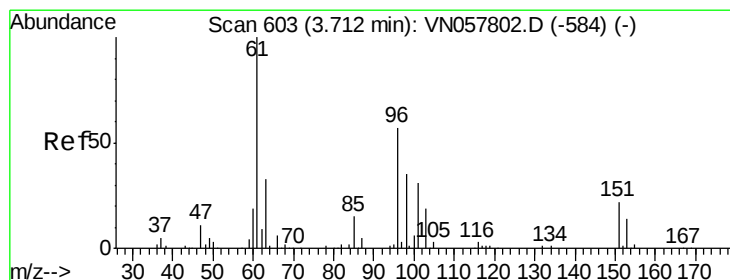
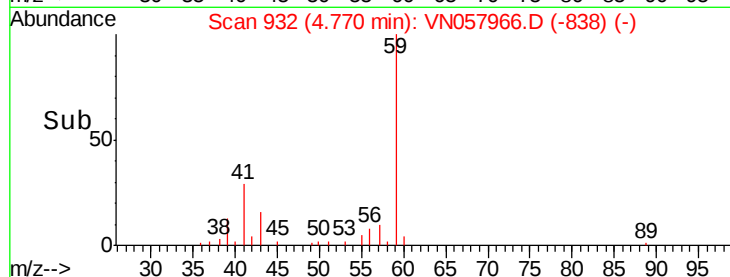
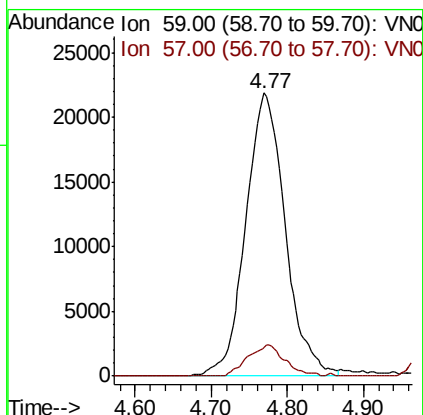
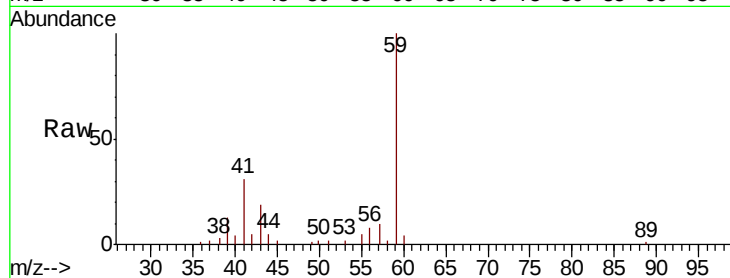


#11

Tert butyl alcohol
 Concen: 104.999 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

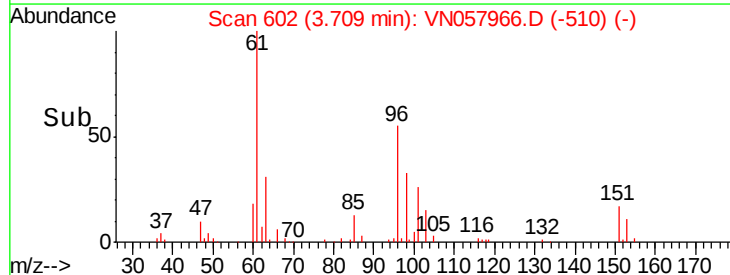
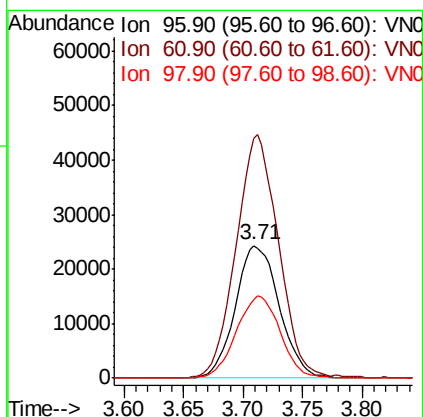
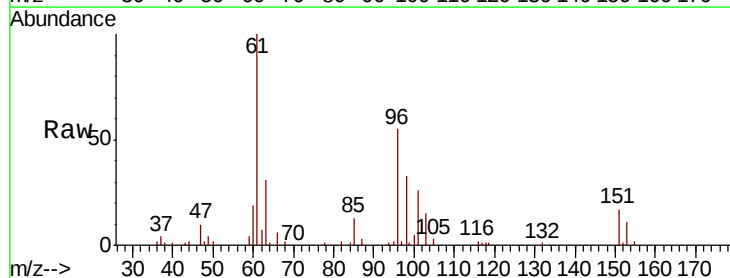
Tgt Ion: 59 Resp: 78889
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

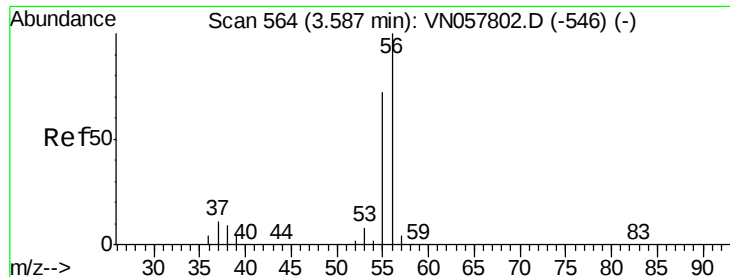


#12

1,1-Dichloroethene
 Concen: 19.006 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 96 Resp: 62026
 Ion Ratio Lower Upper
 96 100
 61 179.8 141.2 211.8
 98 59.7 49.9 74.9





#13

Acrolein

Concen: 68.502 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

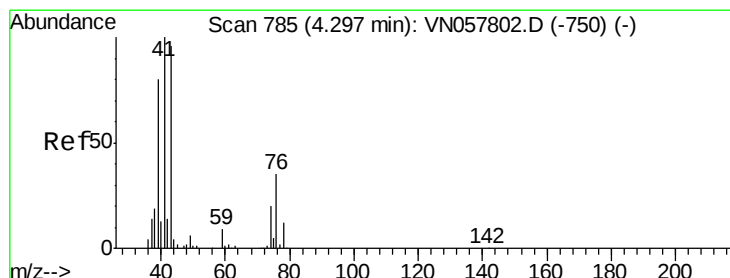
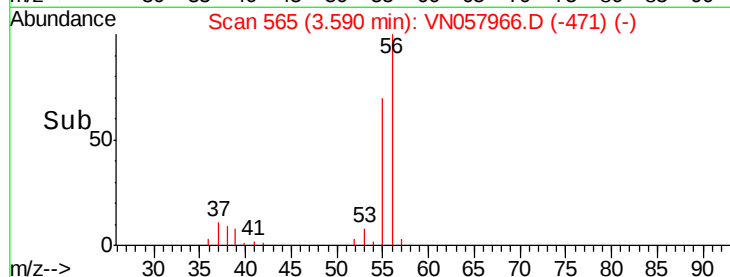
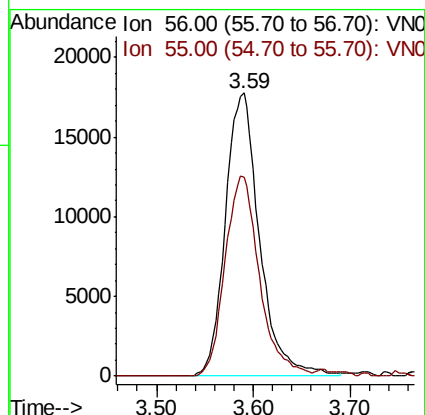
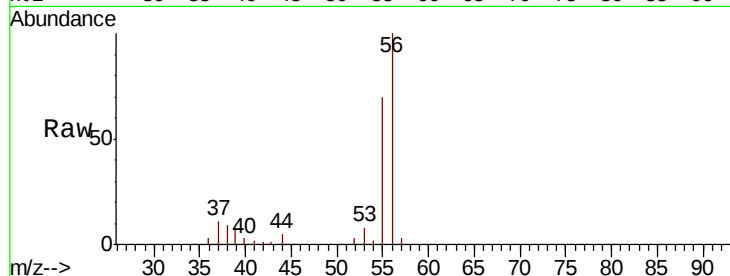
VN0913WBSD01

Tgt Ion: 56 Resp: 43665

Ion Ratio Lower Upper

56 100

55 71.1 57.3 85.9



#14

Allyl chloride

Concen: 18.041 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

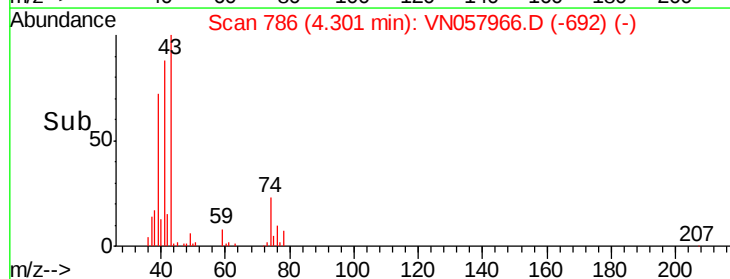
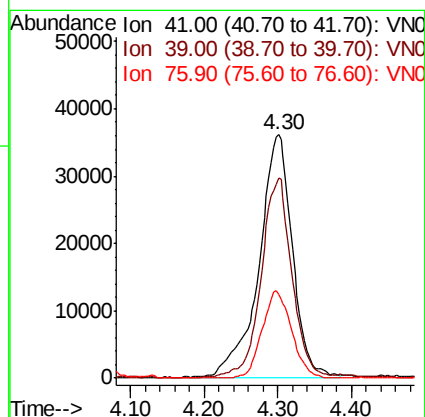
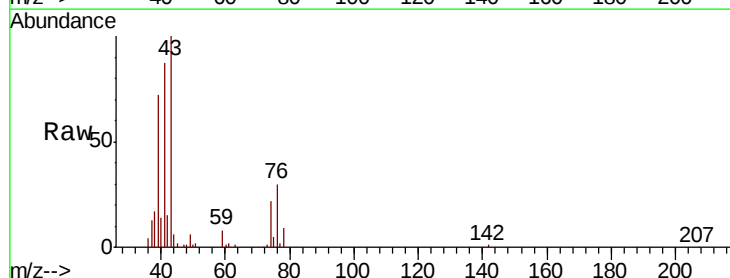
Tgt Ion: 41 Resp: 115225

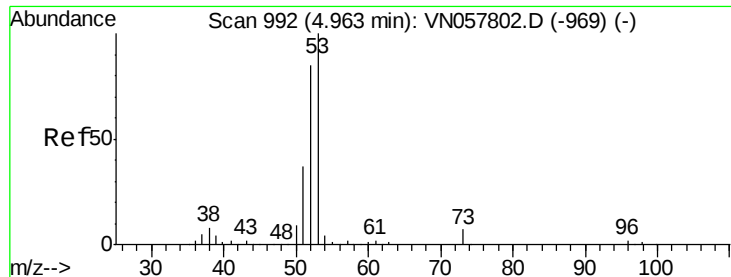
Ion Ratio Lower Upper

41 100

39 75.2 59.4 89.2

76 31.1 26.0 39.0





#15

Acrylonitrile

Concen: 100.363 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

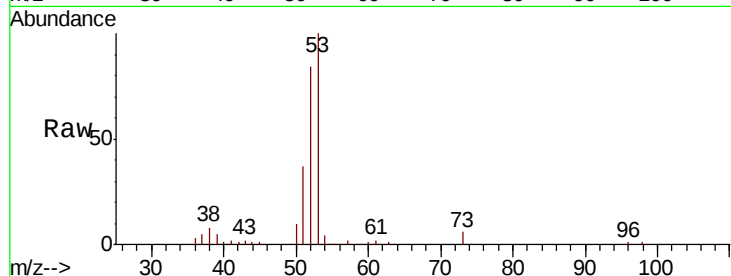
Tgt Ion: 53 Resp: 207260

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

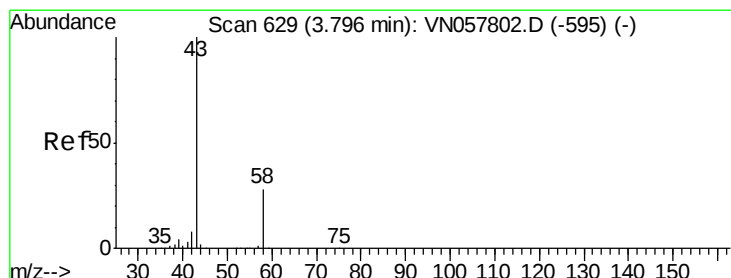
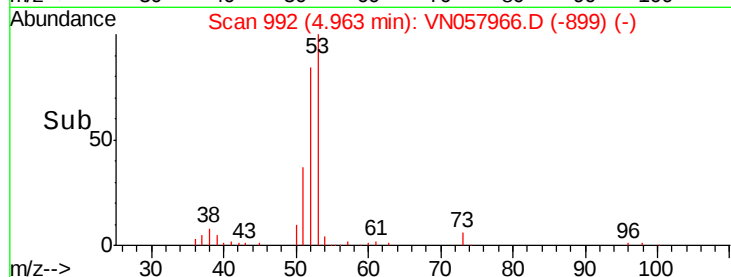
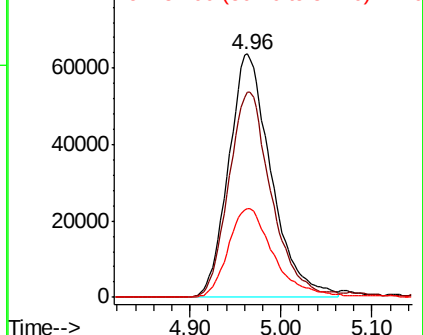
51 38.8 29.8 44.8



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: 89.845 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057966.D

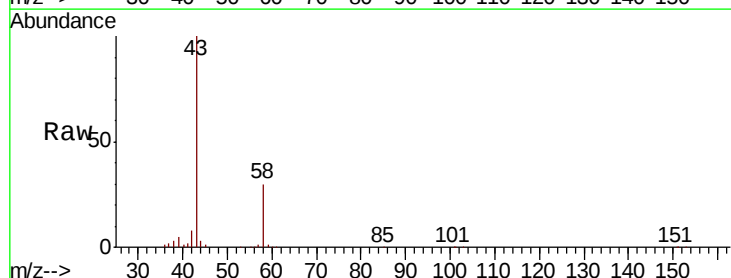
Acq: 12 Sep 2019 13:26

Tgt Ion: 43 Resp: 182834

Ion Ratio Lower Upper

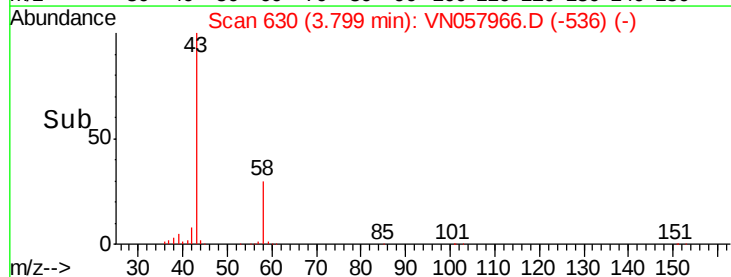
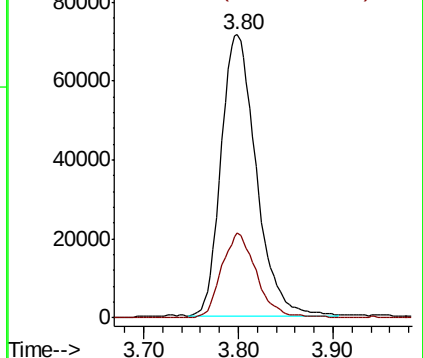
43 100

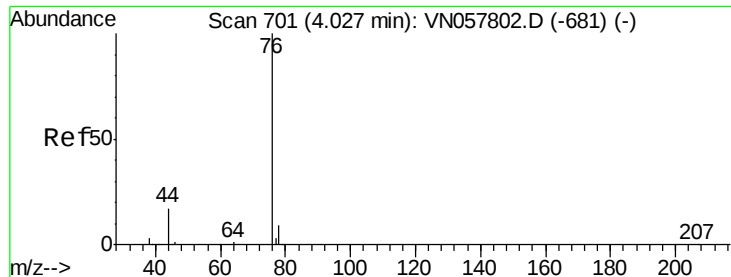
58 30.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

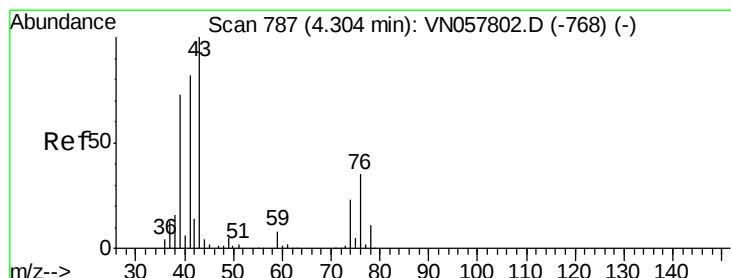
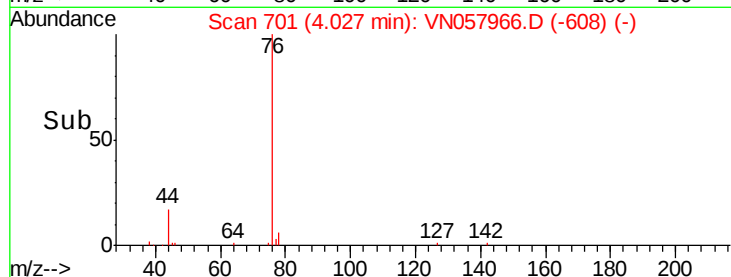
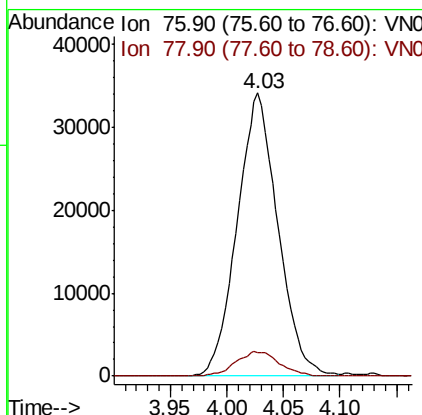
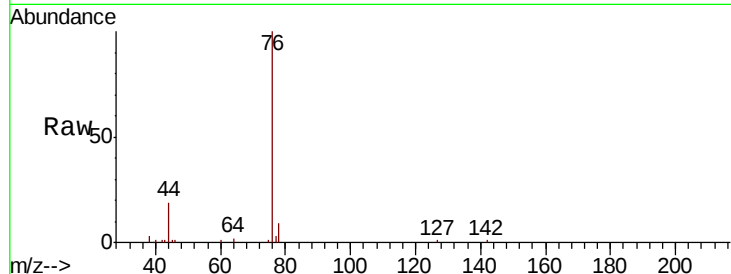




#17
Carbon Disulfide
Concen: 16.912 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

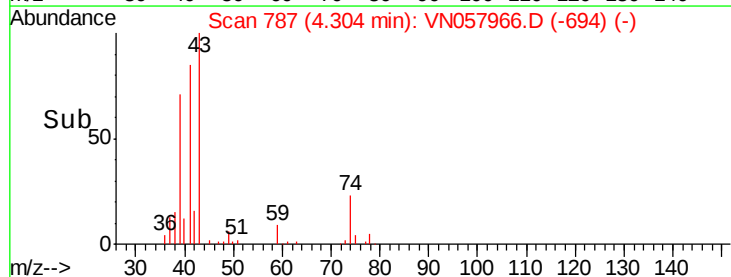
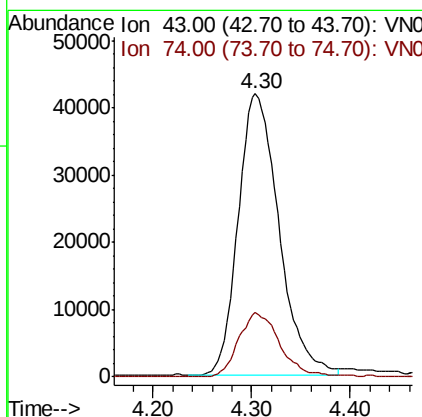
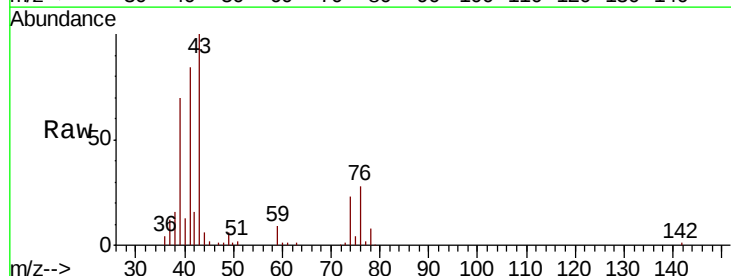
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

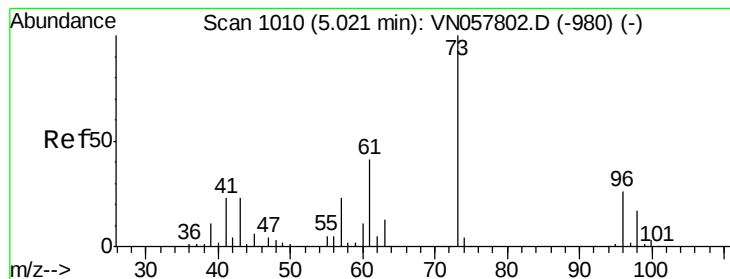
Tgt Ion: 76 Resp: 85367
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 22.133 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 43 Resp: 120089
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9





#19

Methyl tert-butyl Ether

Concen: 20.171 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

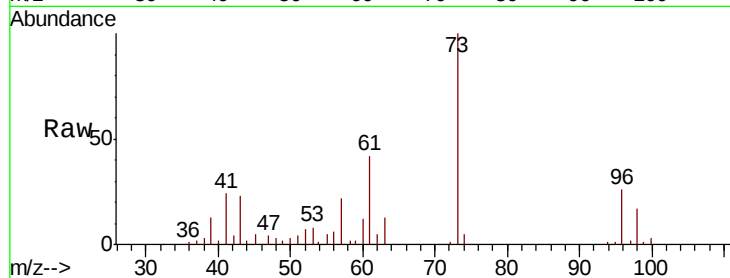
VN0913WBSD01

Tgt Ion: 73 Resp: 273954

Ion Ratio Lower Upper

73 100

57 22.0 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN057802.D (-980) (-)

Ion 57.00 (56.70 to 57.70): VN057802.D (-980) (-)

5.02

80000

60000

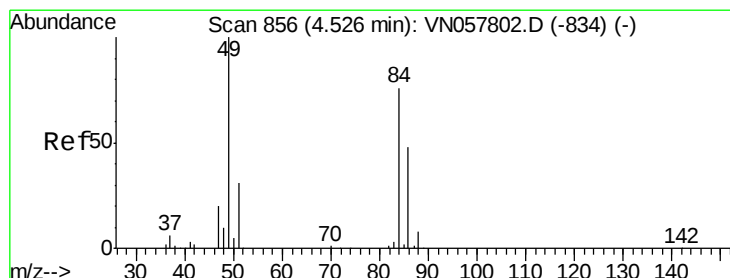
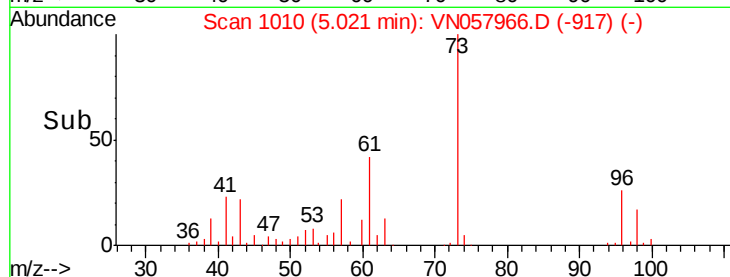
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 20.686 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion: 84 Resp: 82933

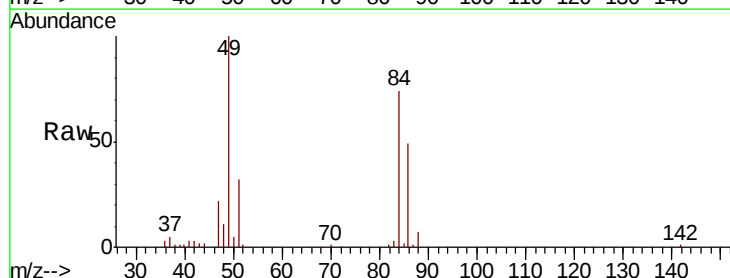
Ion Ratio Lower Upper

84 100

49 135.2 104.8 157.2

51 43.7 33.0 49.4

86 66.1 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN057802.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN057802.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN057802.D (-834) (-)

Ion 85.90 (85.60 to 86.60): VN057802.D (-834) (-)

50000

40000

30000

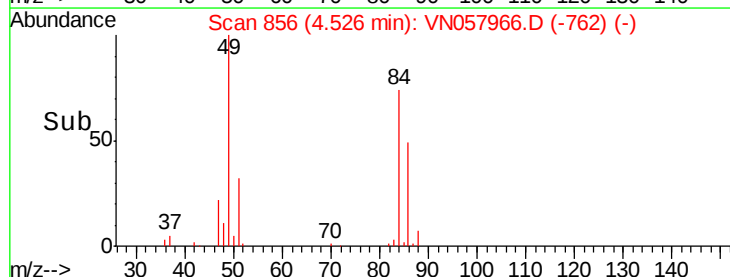
20000

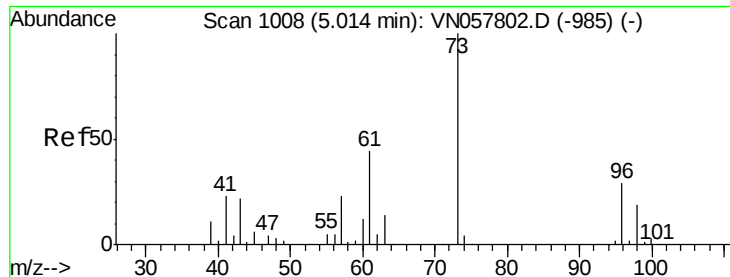
10000

0

Time-->

4.40 4.50 4.60 4.70

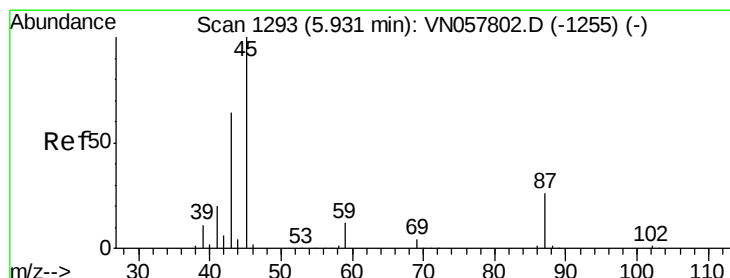
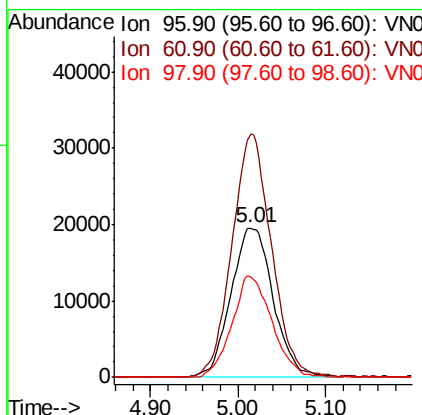
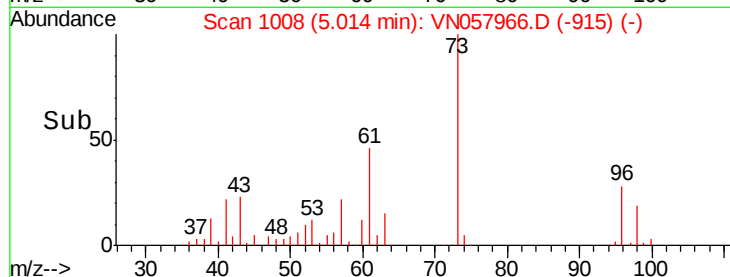
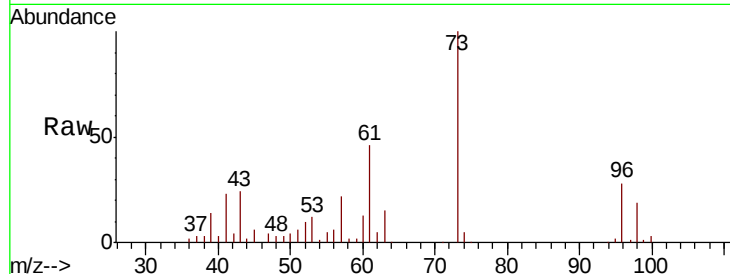




#21
trans-1,2-Dichloroethene
Concen: 18.612 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

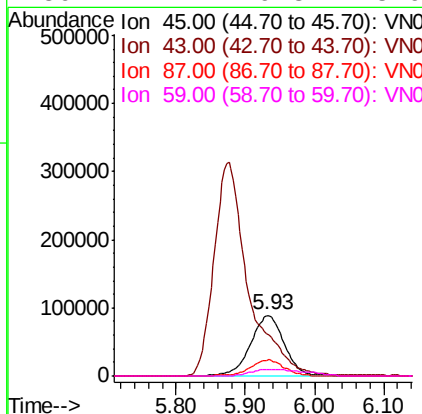
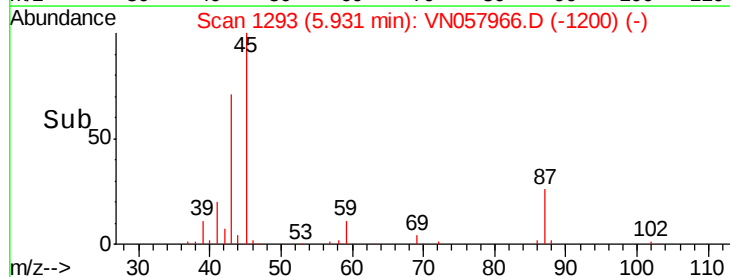
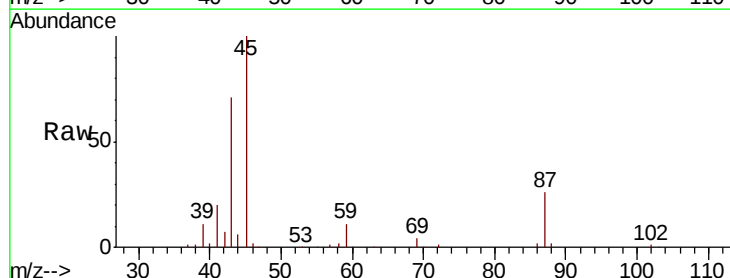
Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

Tgt Ion: 96 Resp: 65663
Ion Ratio Lower Upper
96 100
61 163.3 121.9 182.9
98 66.9 52.2 78.4



#22
Diisopropyl ether
Concen: 20.079 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 45 Resp: 300730
Ion Ratio Lower Upper
45 100
43 69.7 51.4 77.2
87 26.1 21.3 31.9
59 11.1 9.3 13.9

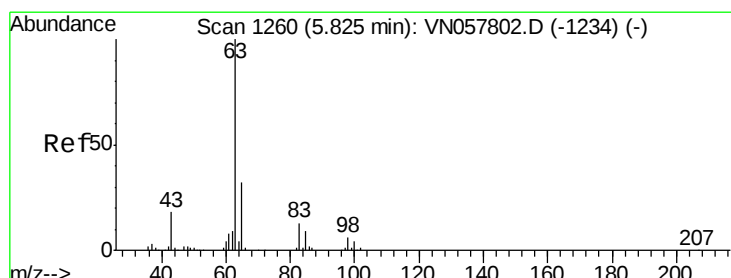
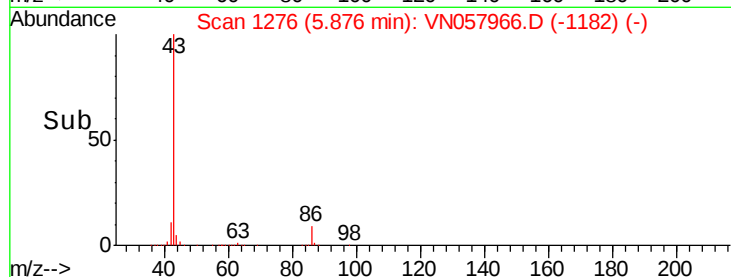
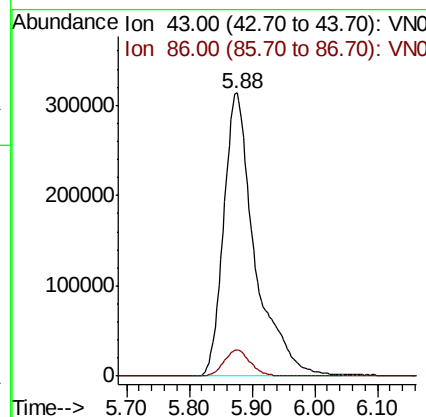
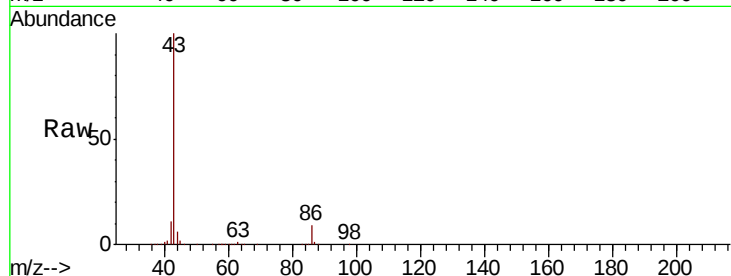




#23
 Vinyl Acetate
 Concen: 101.922 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

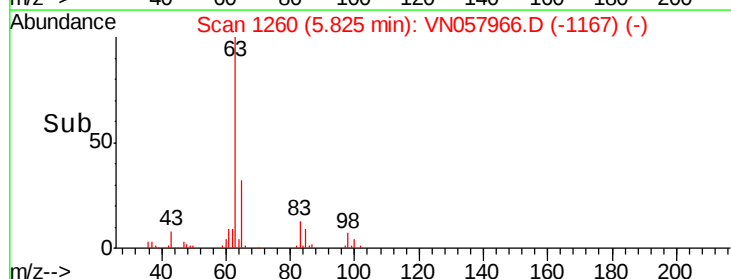
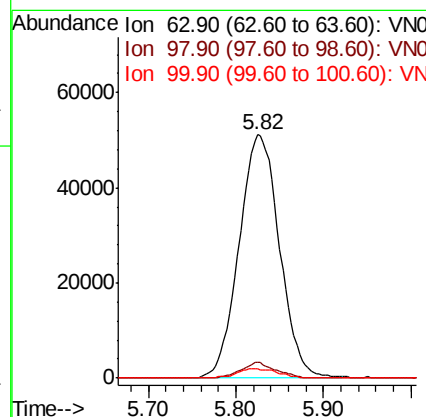
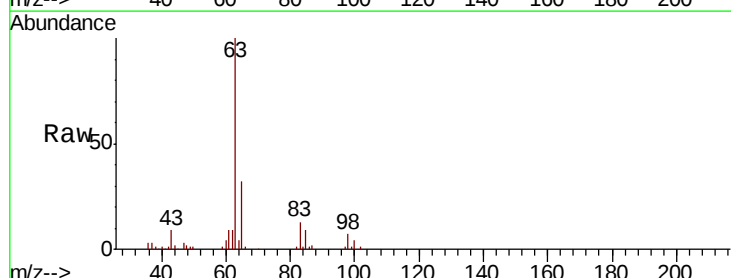
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

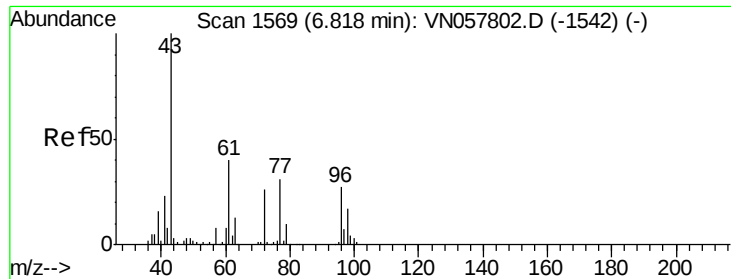
Tgt Ion: 43 Resp: 1081867
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 19.992 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 63 Resp: 163645
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 3.6 2.0 5.8

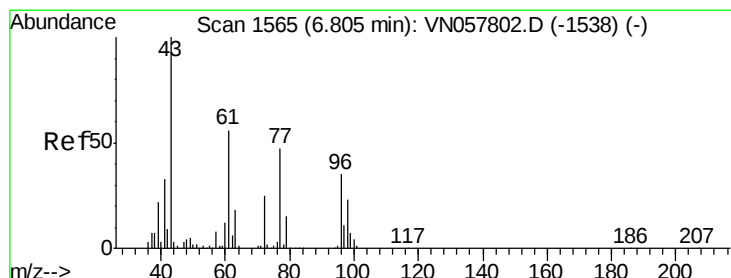
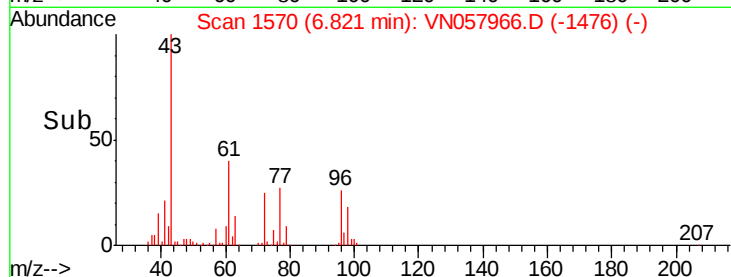
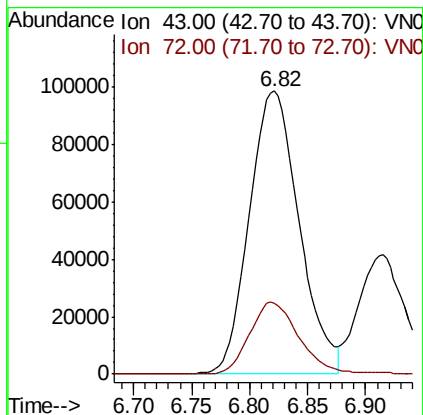
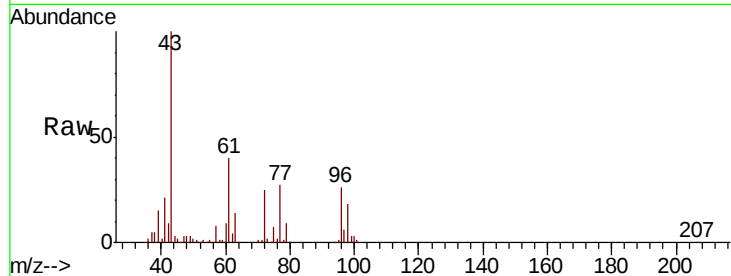




#25
 2-Butanone
 Concen: 99.598 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

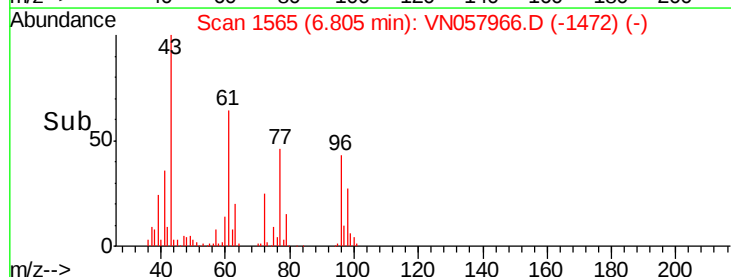
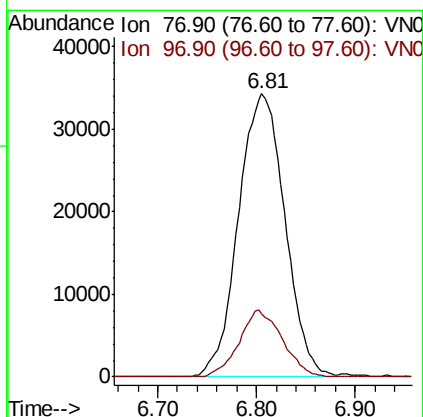
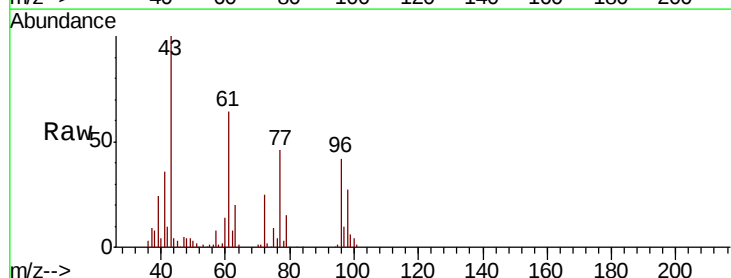
Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBSD01

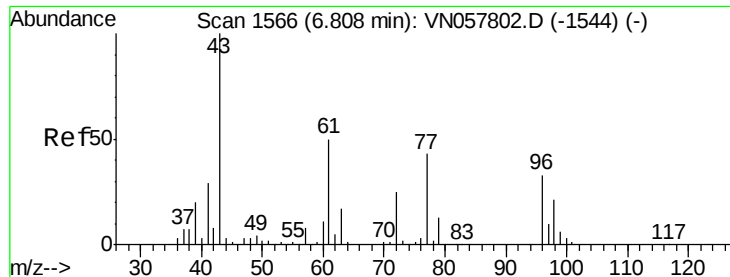
Tgt Ion: 43 Resp: 293353
 Ion Ratio Lower Upper
 43 100
 72 25.3 20.6 30.8



#26
 2,2-Dichloropropane
 Concen: 17.251 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 77 Resp: 111750
 Ion Ratio Lower Upper
 77 100
 97 21.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.245 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

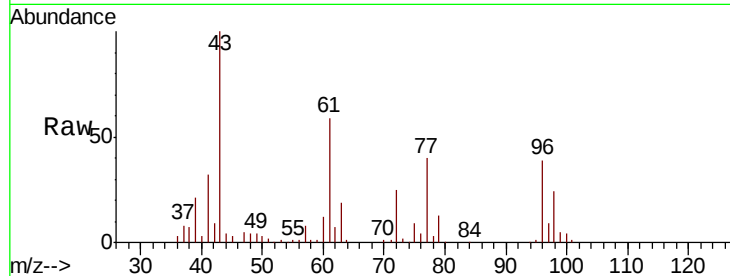
Tgt Ion: 96 Resp: 90990

Ion Ratio Lower Upper

96 100

61 157.7 0.0 314.0

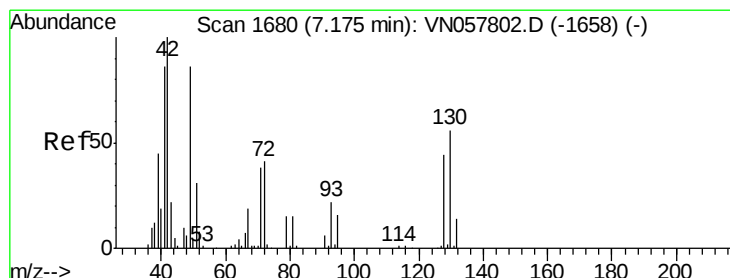
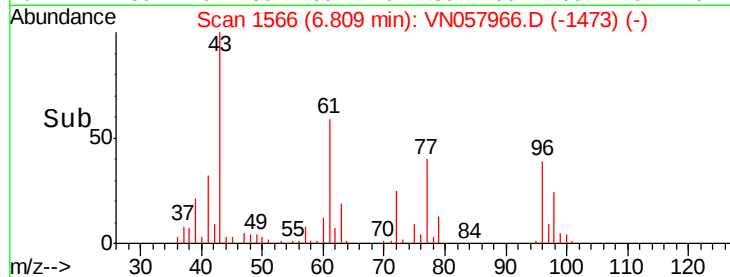
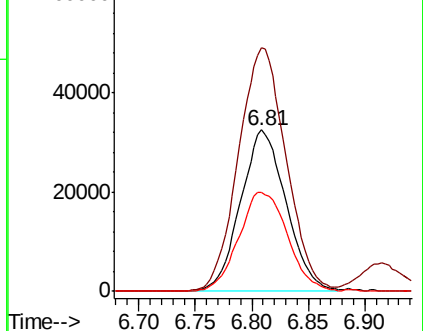
98 65.7 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.480 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

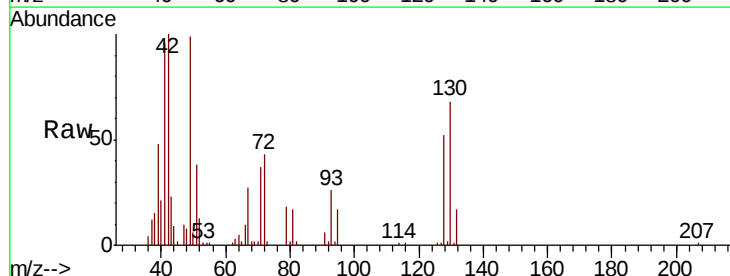
Tgt Ion: 49 Resp: 83751

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

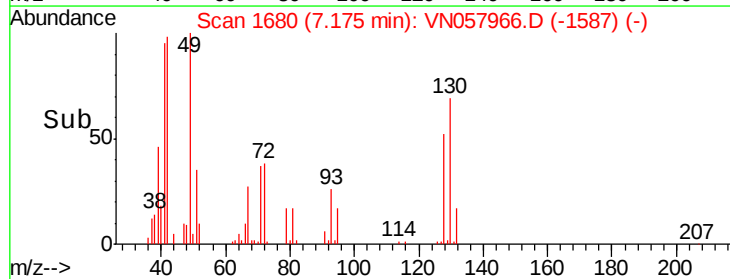
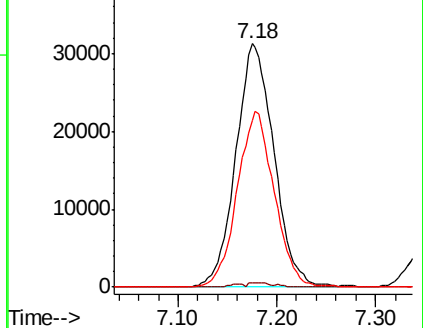
130 69.9 53.0 79.6

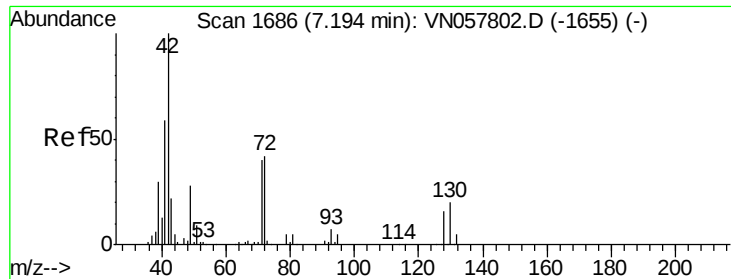


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

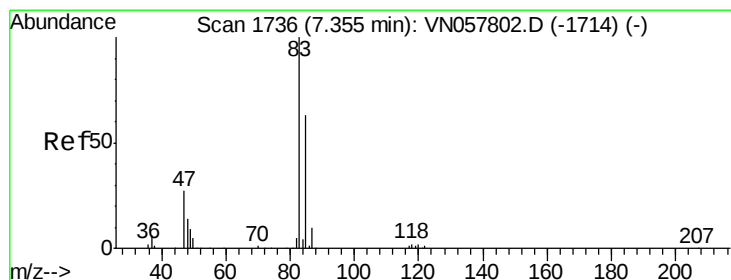
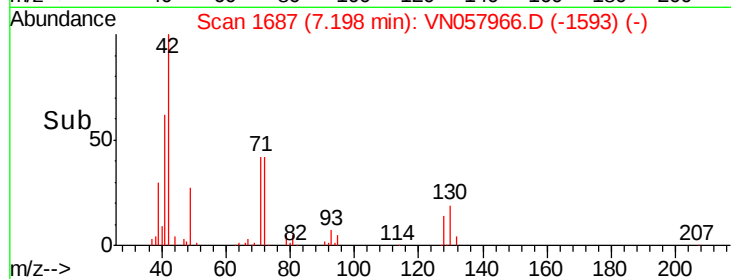
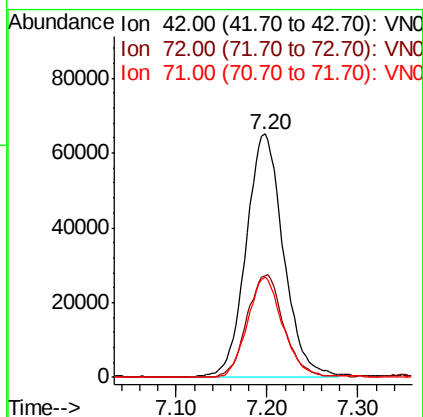
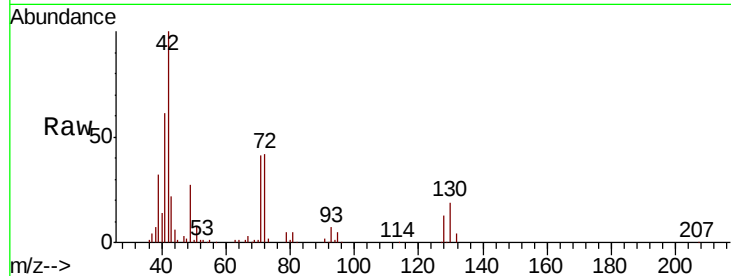




#29
Tetrahydrofuran
Concen: 101.438 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

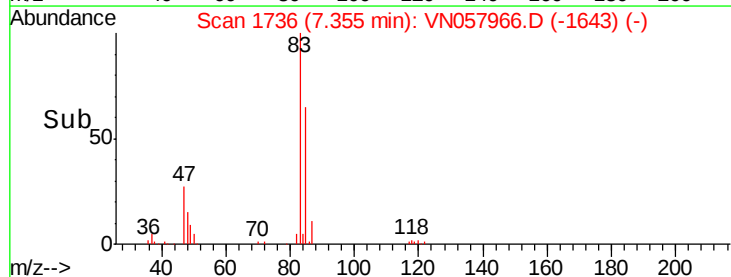
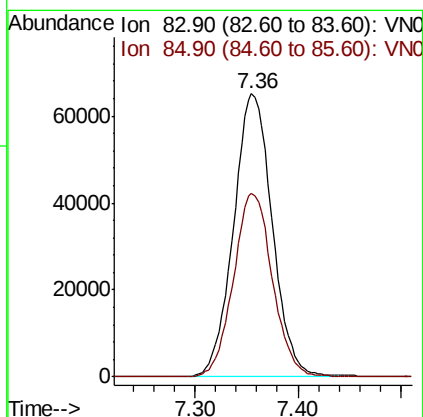
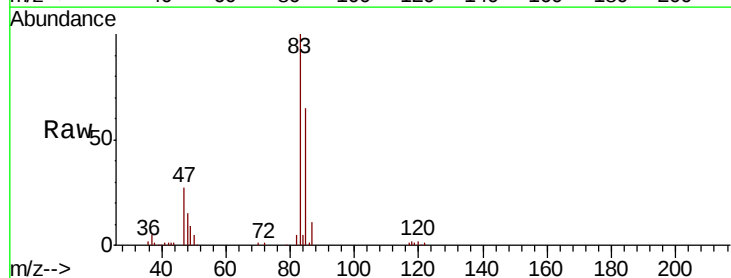
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

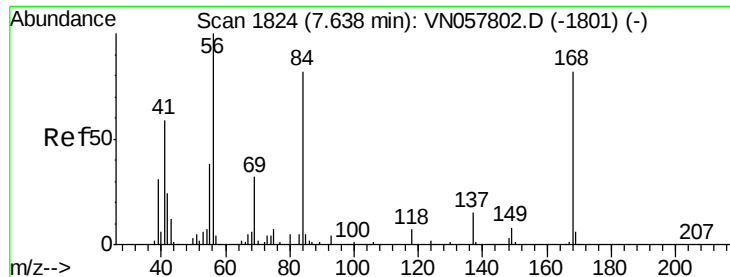
Tgt Ion: 42 Resp: 184103
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 39.4 31.9 47.9



#30
Chloroform
Concen: 19.870 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 83 Resp: 170064
Ion Ratio Lower Upper
83 100
85 65.1 50.6 75.8





#31

Cyclohexane

Concen: 19.738 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

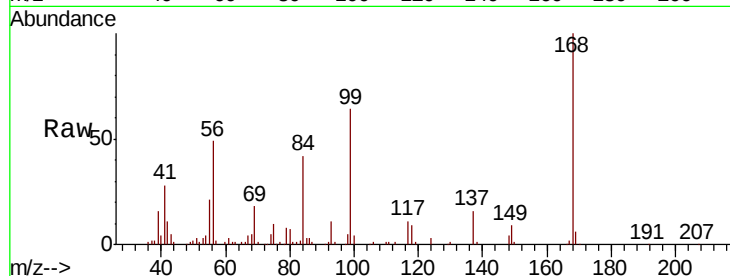
Tgt Ion: 56 Resp: 117650

Ion Ratio Lower Upper

56 100

69 37.0 25.9 38.9

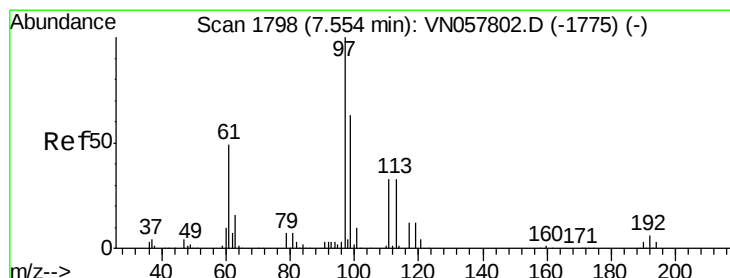
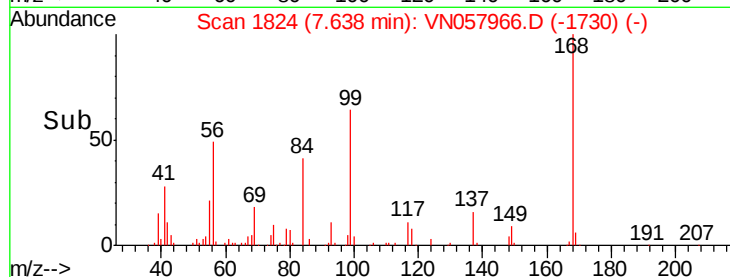
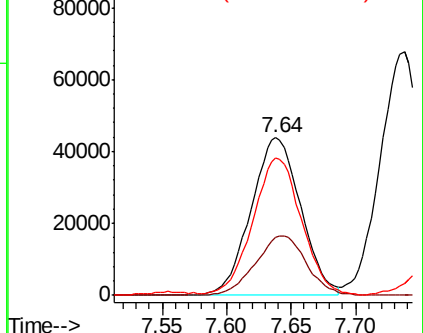
84 85.3 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.208 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

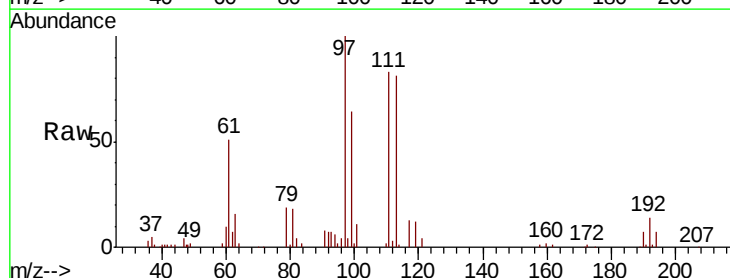
Tgt Ion: 97 Resp: 130384

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

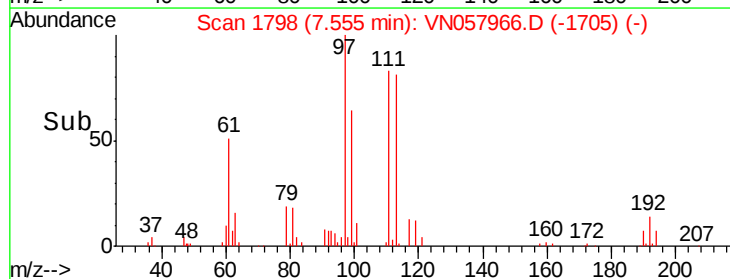
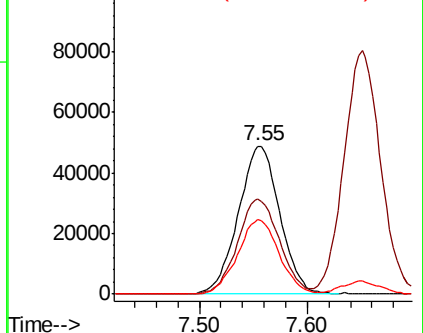
61 50.3 39.0 58.6

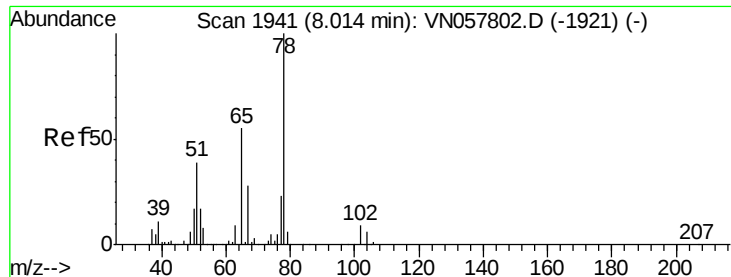


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

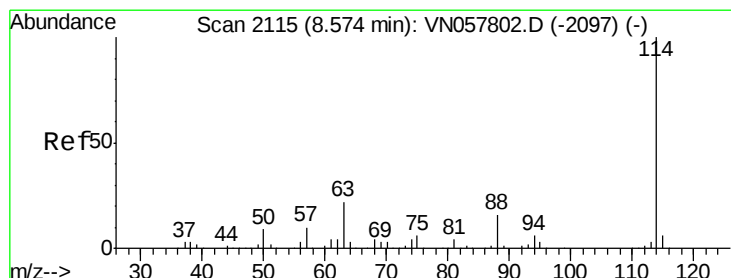
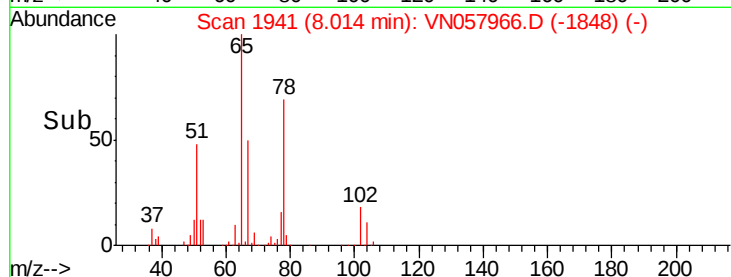
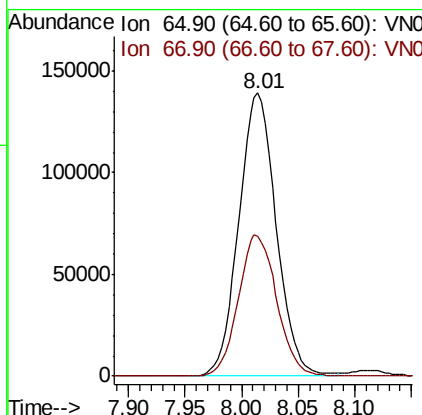
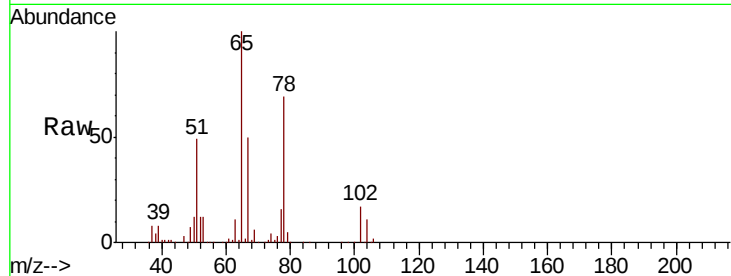




#33
 1,2-Dichloroethane-d4
 Concen: 51.687 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

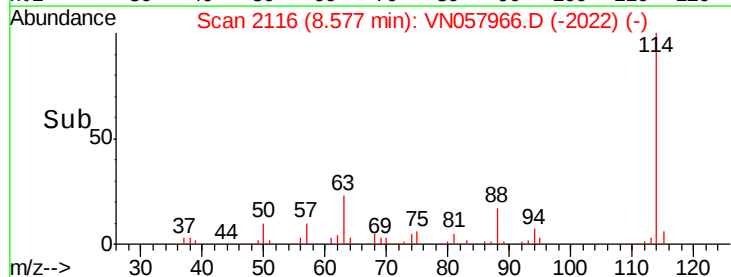
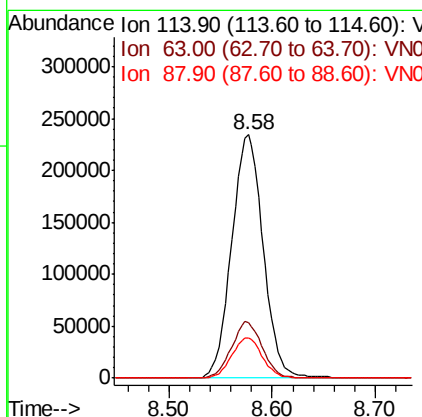
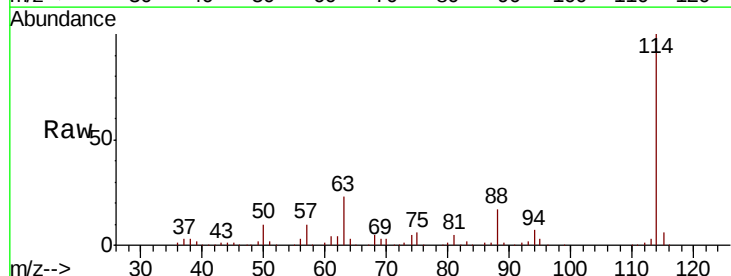
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

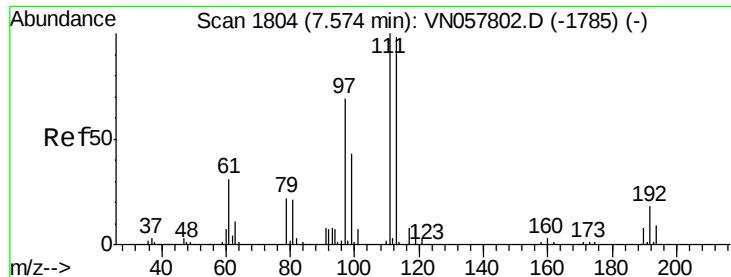
Tgt Ion: 65 Resp: 320854
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 114 Resp: 498148
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.0
 88 16.5 0.0 31.4

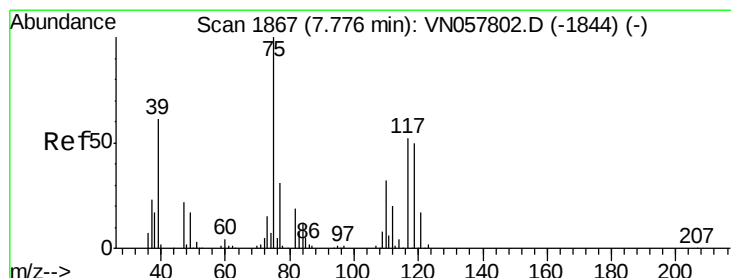
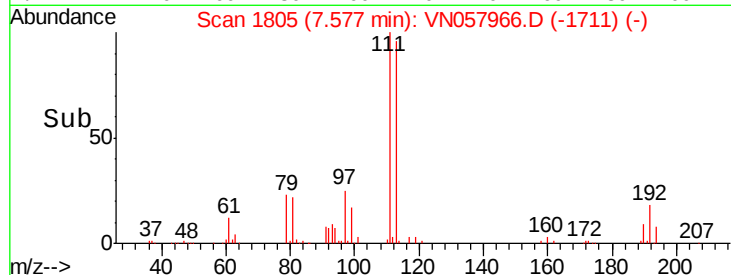
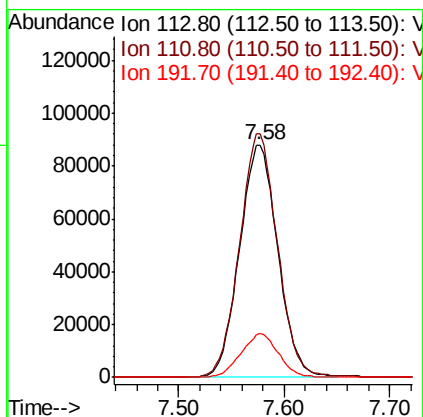
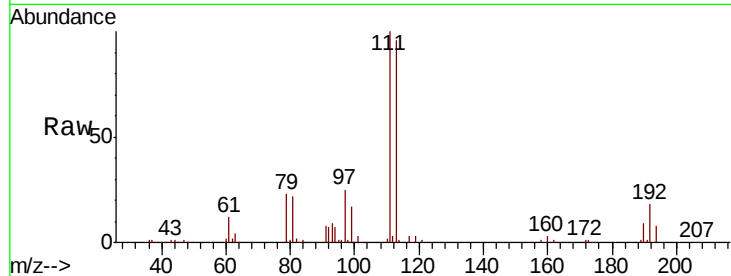




#35
Dibromofluoromethane
Concen: 48.314 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

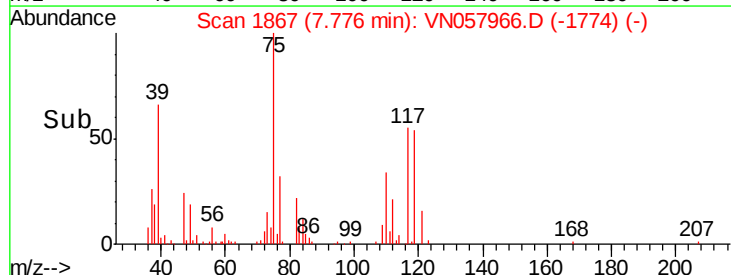
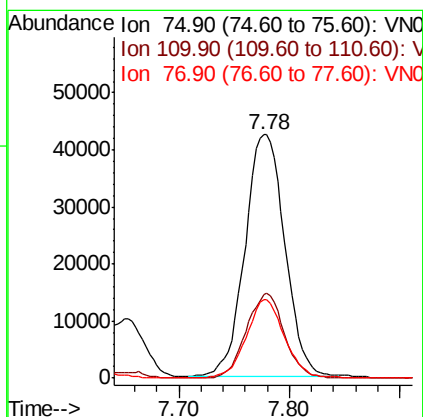
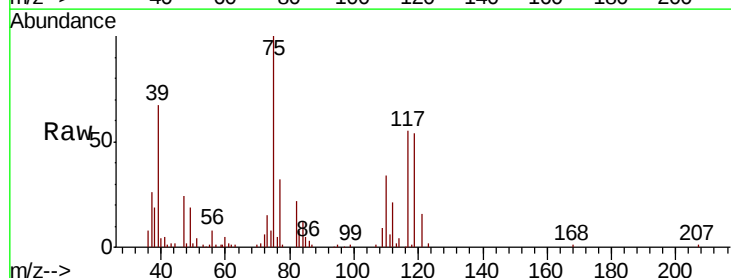
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tgt Ion: 113 Resp: 222132
Ion Ratio Lower Upper
113 100
111 104.0 81.3 121.9
192 18.4 14.6 22.0



#36
1,1-Dichloropropene
Concen: 18.379 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 75 Resp: 106178
Ion Ratio Lower Upper
75 100
110 33.3 16.3 48.9
77 31.0 25.0 37.4

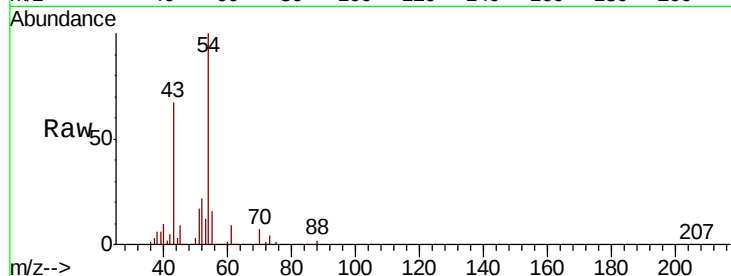




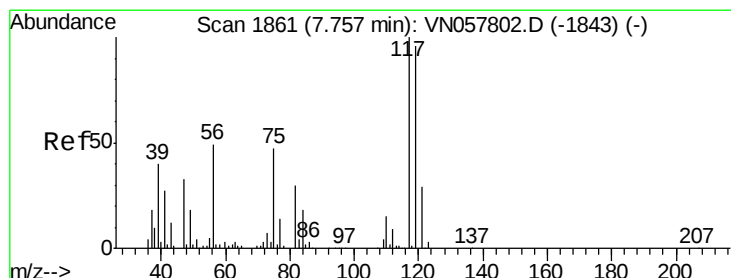
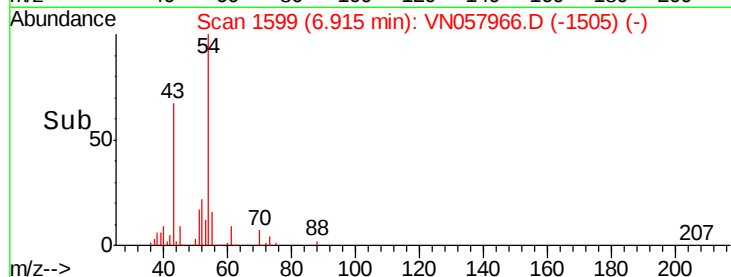
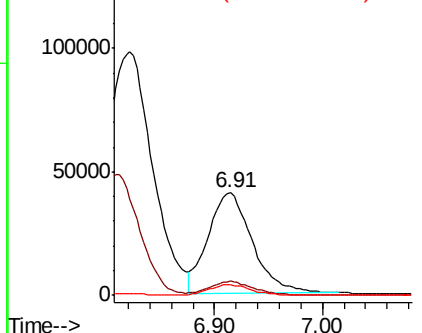
#37
Ethyl Acetate
Concen: 19.590 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

Tgt Ion: 43 Resp: 116929
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 10.0 7.4 11.0

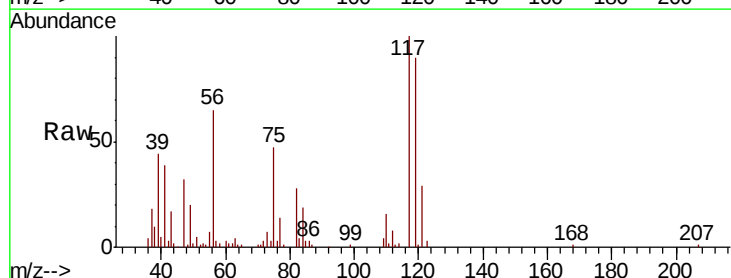


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1586) (-)
Ion 60.90 (60.60 to 61.60): VN057802.D (-1586) (-)
Ion 70.00 (69.70 to 70.70): VN057802.D (-1586) (-)

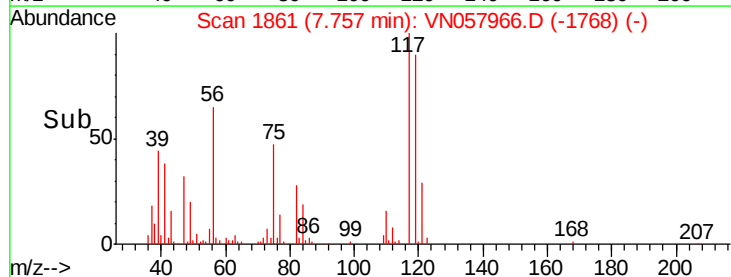
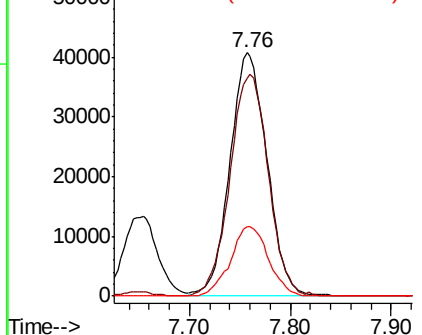


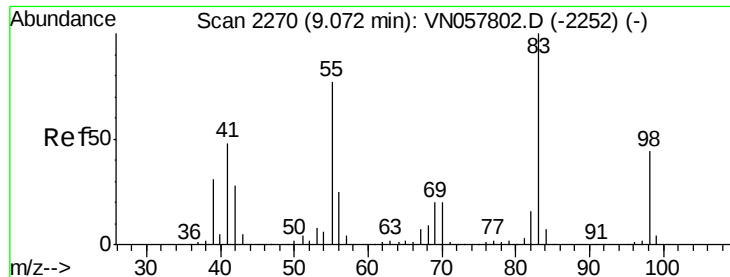
#38
Carbon Tetrachloride
Concen: 19.712 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 117 Resp: 103970
Ion Ratio Lower Upper
117 100
119 89.6 76.9 115.3
121 28.6 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-1843) (-)
Ion 118.80 (118.50 to 119.50): VN057802.D (-1843) (-)
Ion 120.80 (120.50 to 121.50): VN057802.D (-1843) (-)

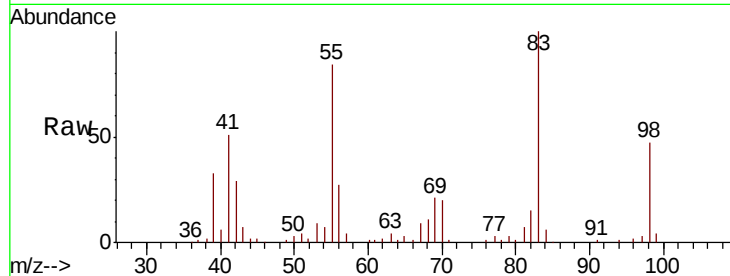




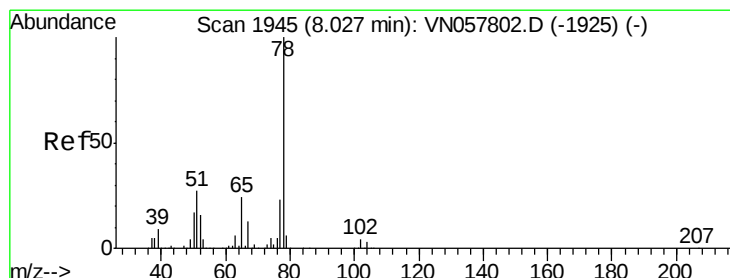
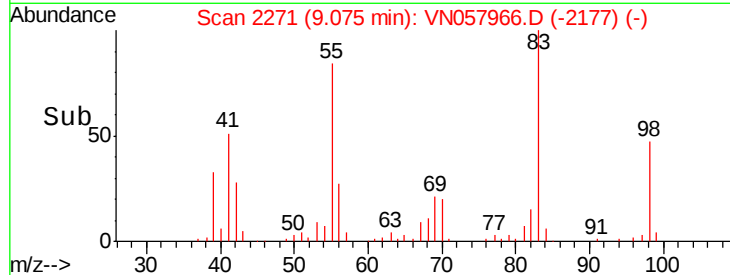
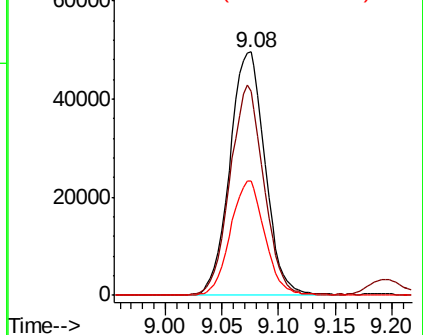
#39
Methylcyclohexane
Concen: 17.729 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tgt Ion: 83 Resp: 107673
Ion Ratio Lower Upper
83 100
55 84.0 61.6 92.4
98 47.2 34.9 52.3

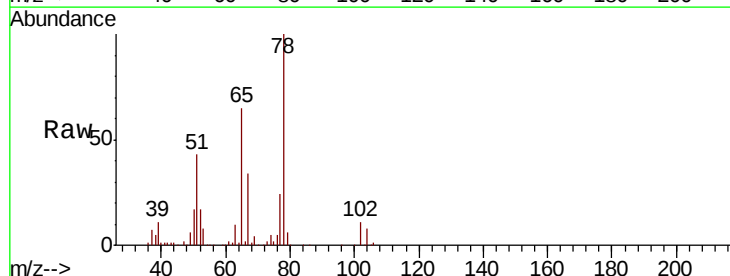


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

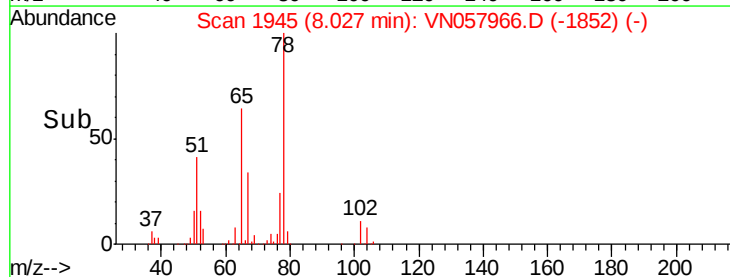
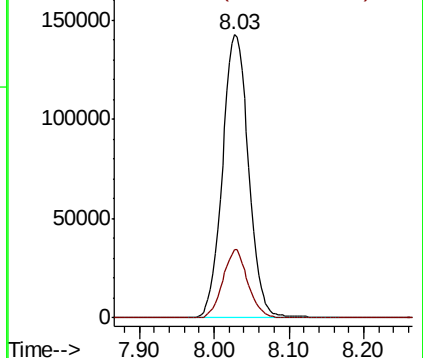


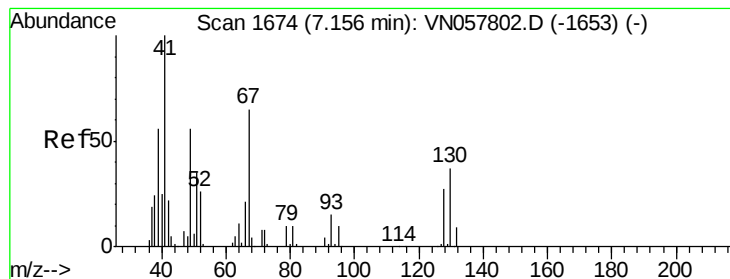
#40
Benzene
Concen: 19.836 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 78 Resp: 345006
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 65.899 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tgt Ion: 41 Resp: 178553

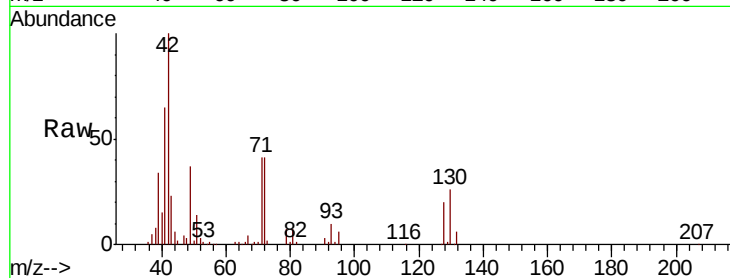
Ion Ratio Lower Upper

41 100

39 27.6 51.0 76.6#

67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

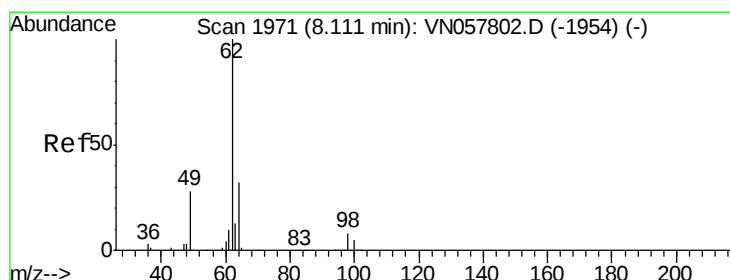
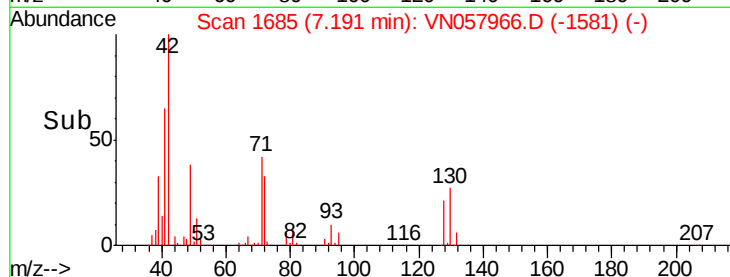
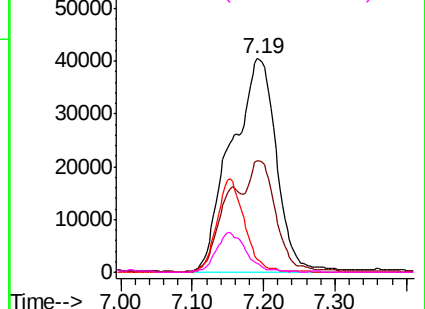


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 19.934 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN057966.D

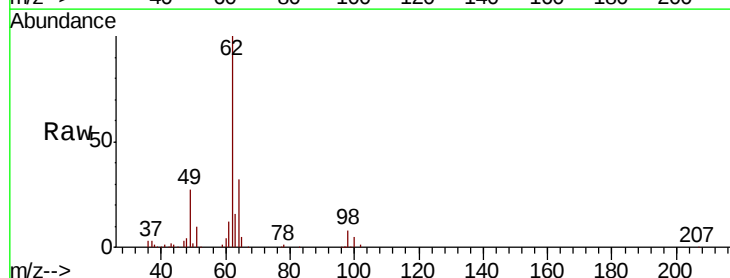
Acq: 12 Sep 2019 13:26

Tgt Ion: 62 Resp: 138662

Ion Ratio Lower Upper

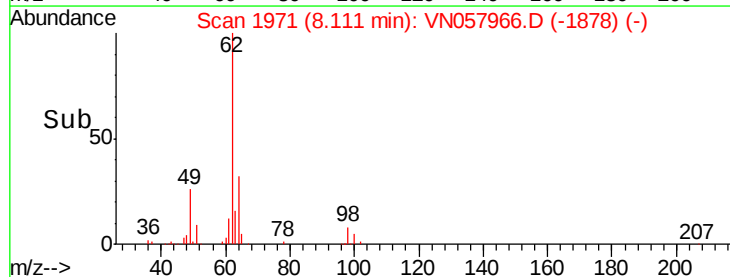
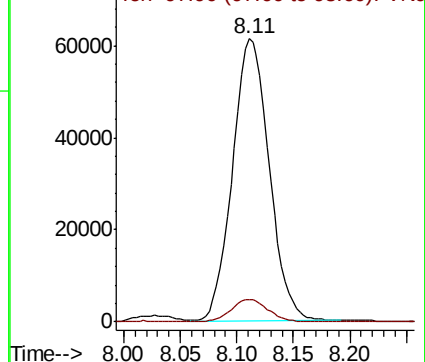
62 100

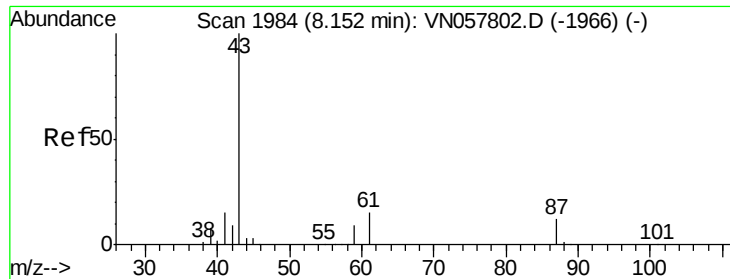
98 7.9 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

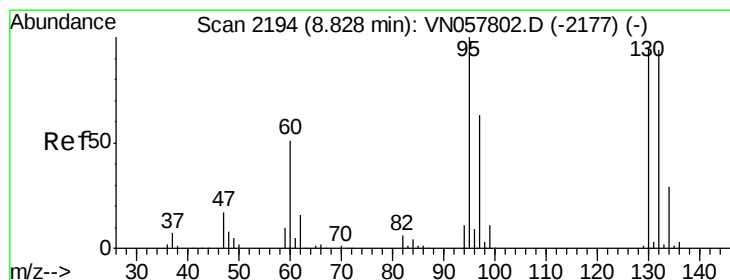
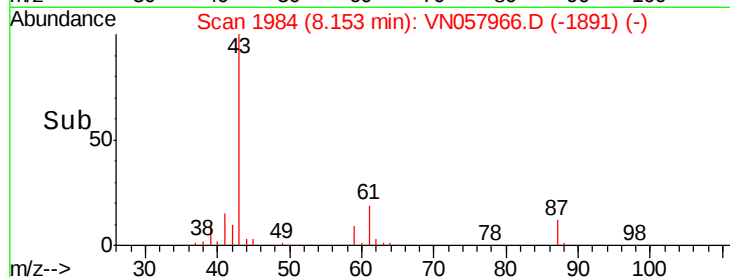
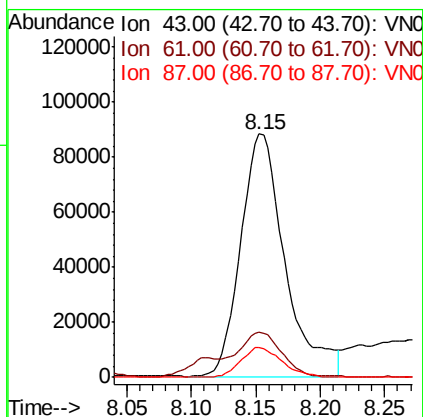
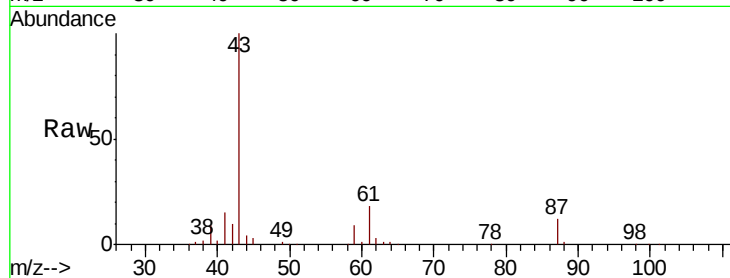




#43
Isopropyl Acetate
Concen: 21.061 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

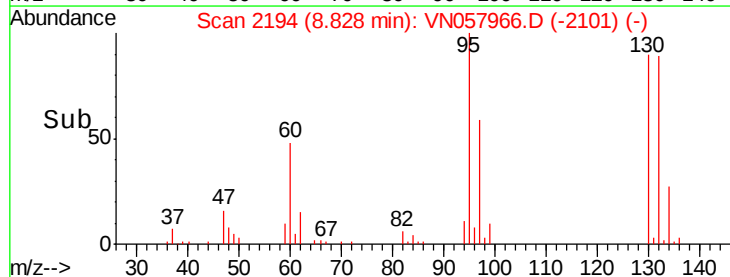
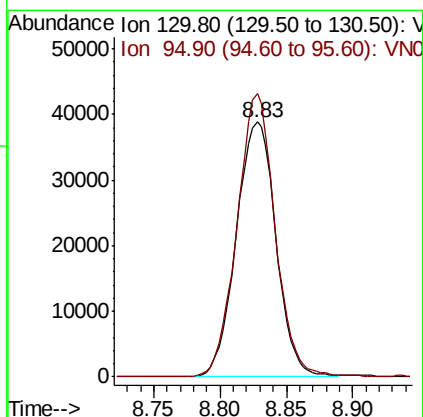
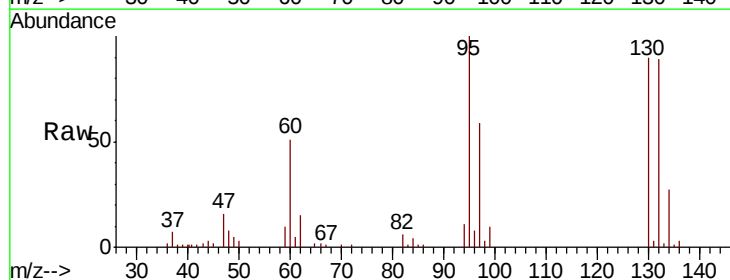
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

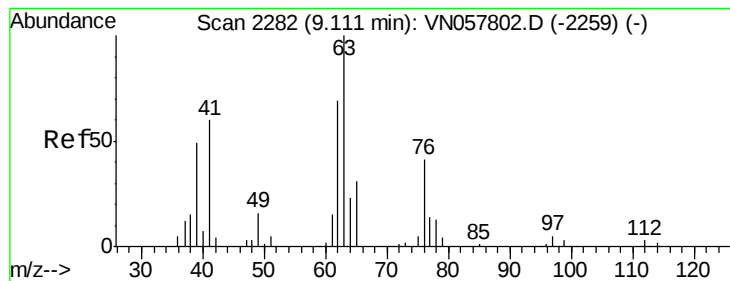
Tgt Ion: 43 Resp: 211409
Ion Ratio Lower Upper
43 100
61 16.1 20.1 30.1#
87 11.3 9.5 14.3



#44
Trichloroethene
Concen: 18.927 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 130 Resp: 80742
Ion Ratio Lower Upper
130 100
95 111.1 0.0 211.4





#45

1,2-Dichloropropane

Concen: 20.388 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

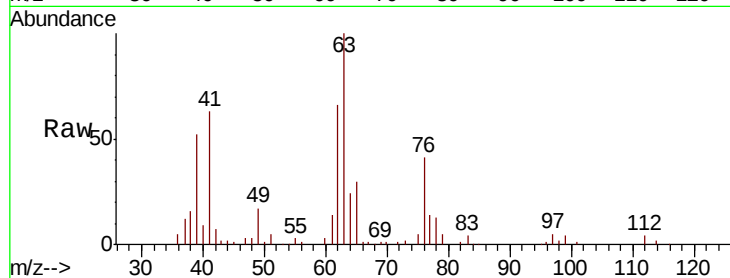
VN0913WBSD01

Tgt Ion: 63 Resp: 103184

Ion Ratio Lower Upper

63 100

65 29.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

60000

50000

40000

30000

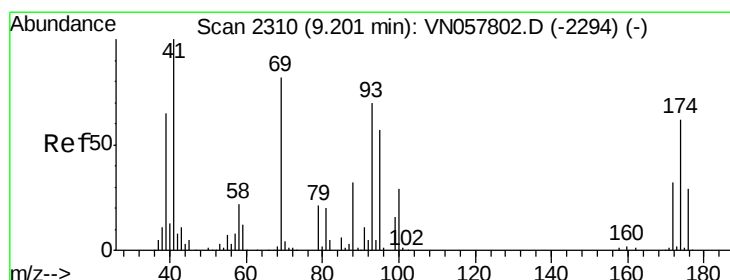
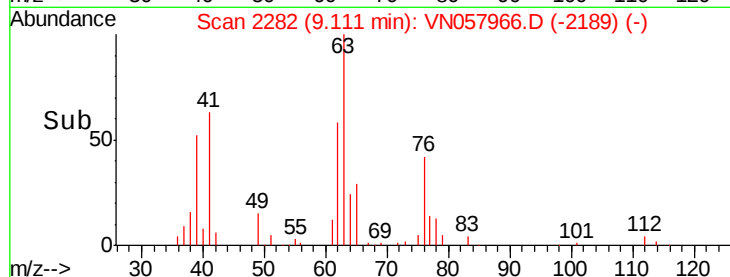
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.269 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

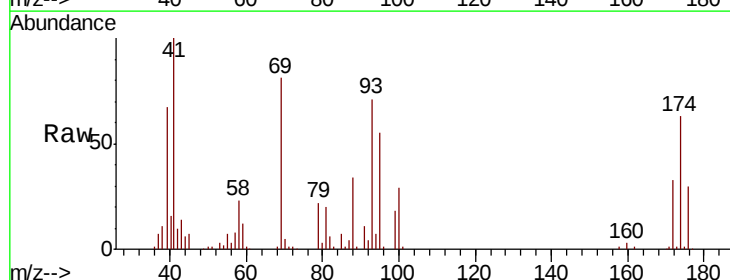
Tgt Ion: 93 Resp: 61990

Ion Ratio Lower Upper

93 100

95 81.7 65.9 98.9

174 89.3 71.8 107.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

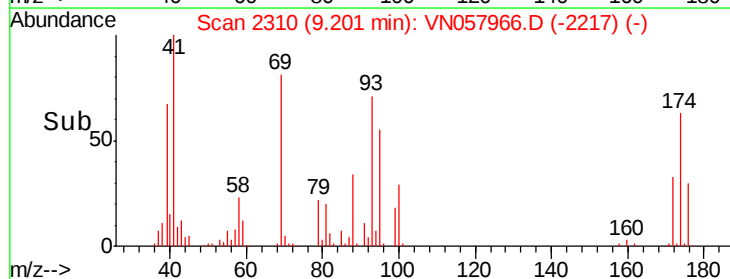
20000

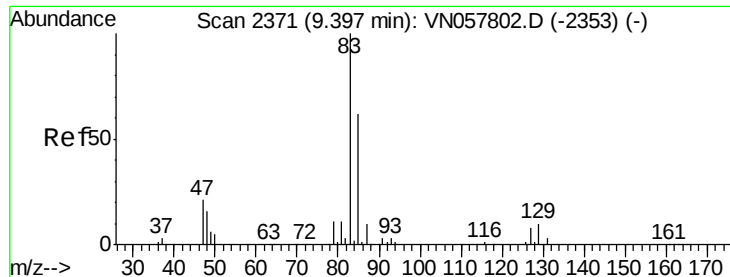
10000

0

Time-->

9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 20.114 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

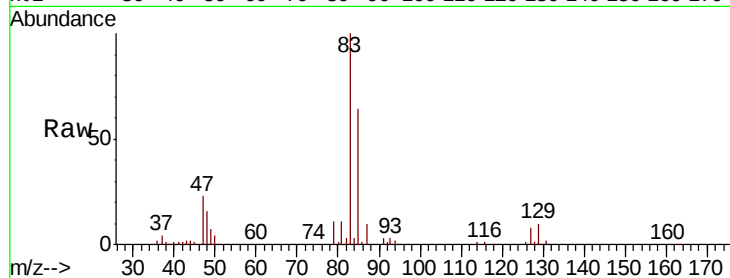
Tgt Ion: 83 Resp: 122840

Ion Ratio Lower Upper

83 100

85 63.9 49.9 74.9

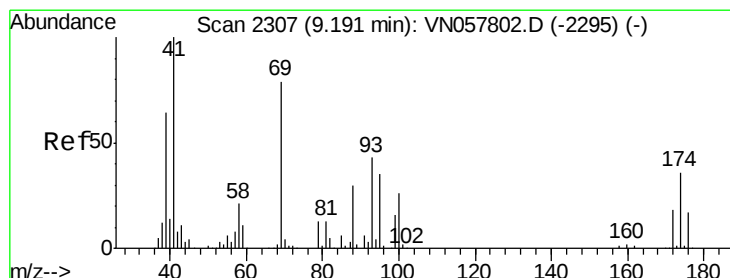
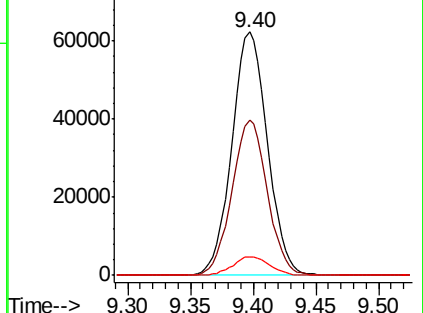
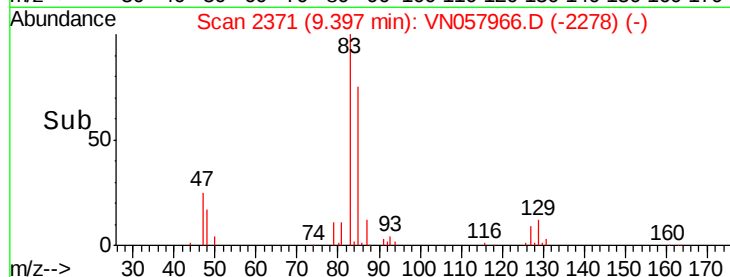
127 7.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.279 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

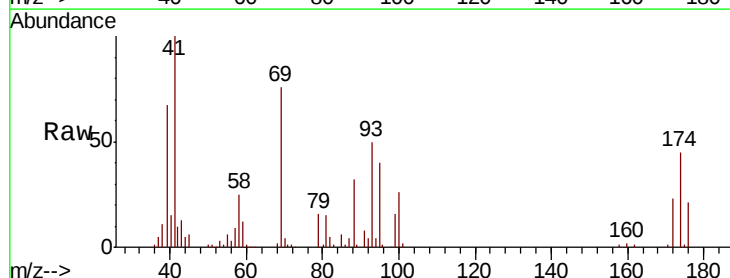
Tgt Ion: 41 Resp: 98163

Ion Ratio Lower Upper

41 100

69 80.3 62.7 94.1

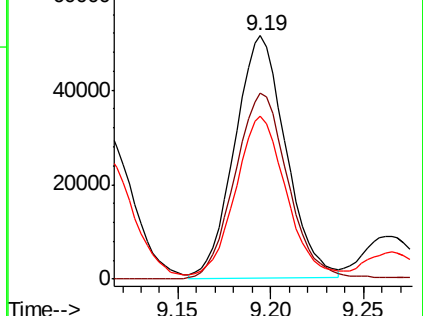
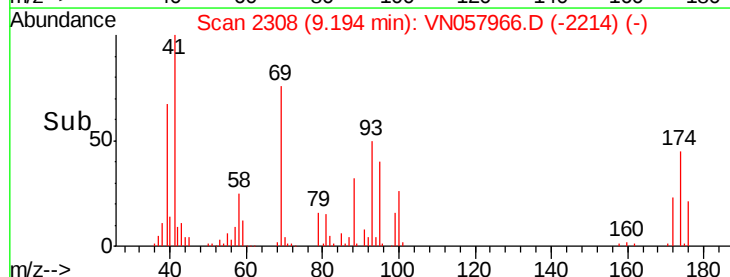
39 66.6 52.7 79.1

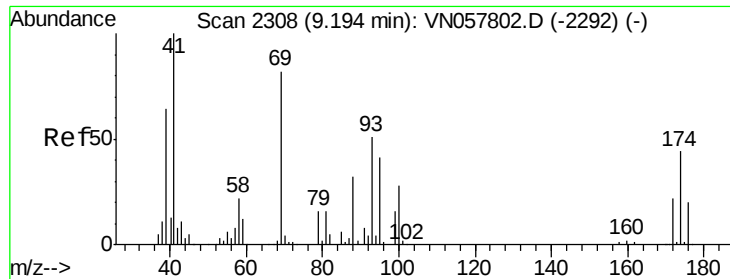


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

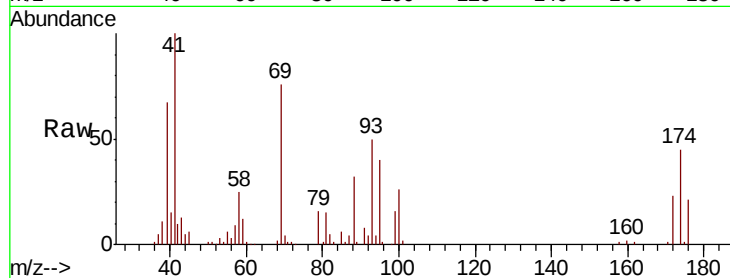




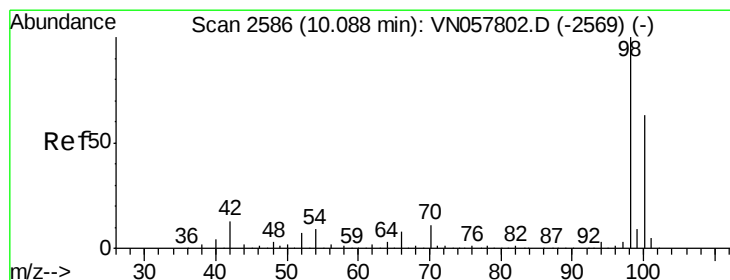
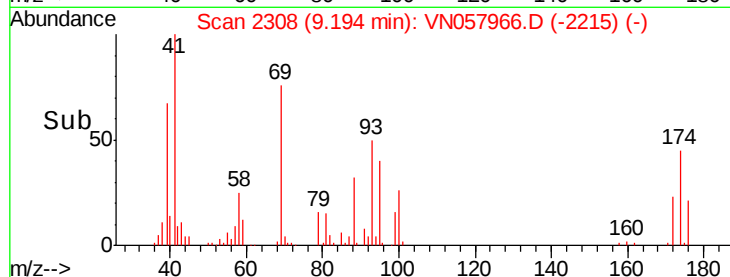
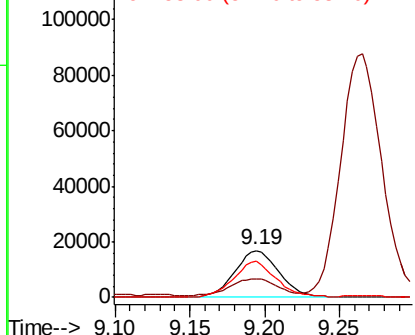
#49
 1,4-Dioxane
 Concen: 402.580 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Tgt Ion: 88 Resp: 34665
 Ion Ratio Lower Upper
 88 100
 43 36.7 28.5 42.7
 58 73.7 55.8 83.6

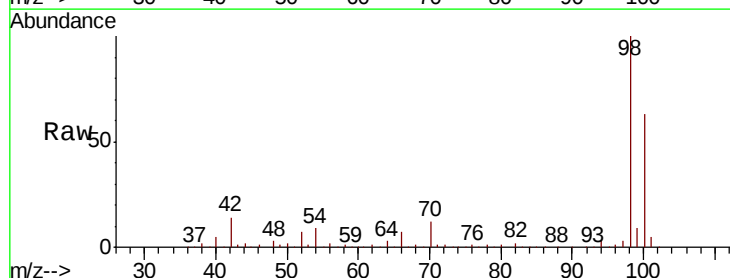


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

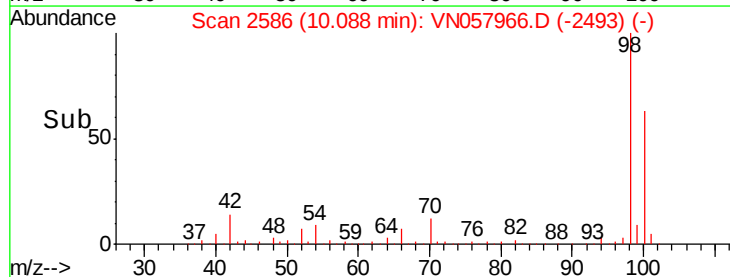
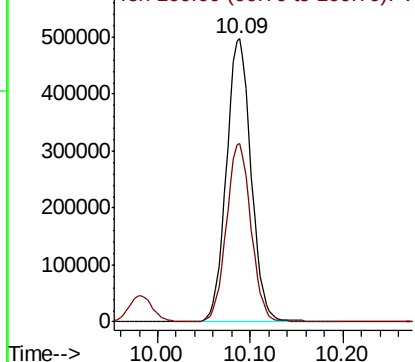


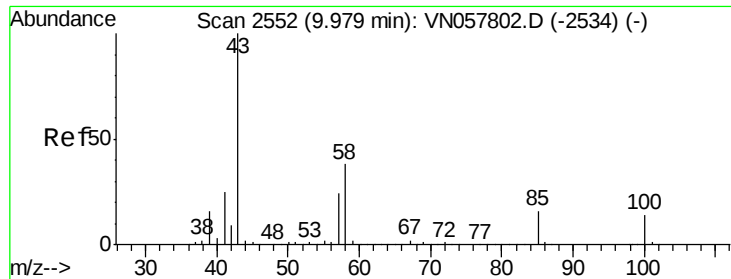
#50
 Toluene-d8
 Concen: 51.364 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 98 Resp: 916891
 Ion Ratio Lower Upper
 98 100
 100 62.6 50.3 75.5



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





#51

4-Methyl-2-Pentanone

Concen: 109.845 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

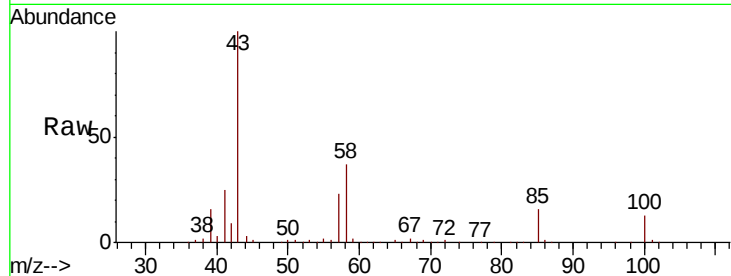
VN0913WBSD01

Tgt Ion: 43 Resp: 652483

Ion Ratio Lower Upper

43 100

58 36.8 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

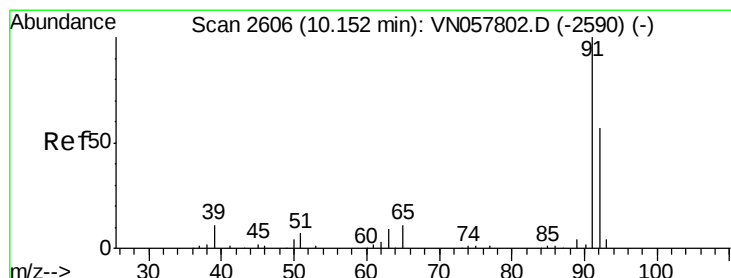
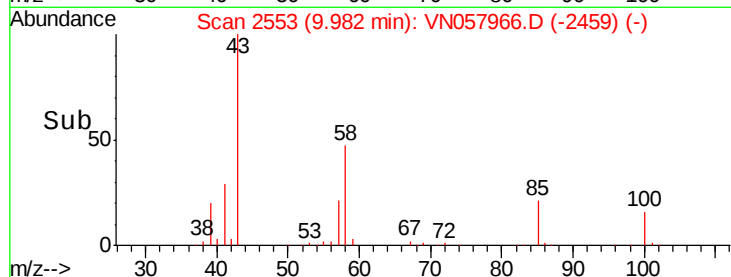
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.348 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057966.D

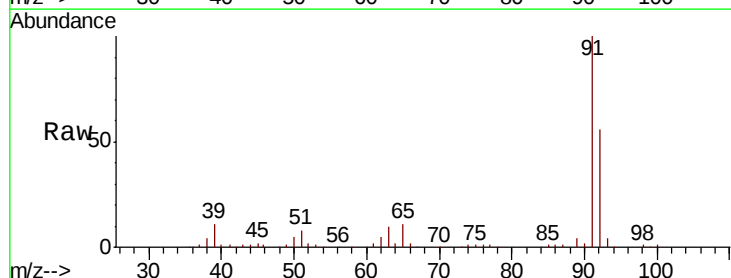
Acq: 12 Sep 2019 13:26

Tgt Ion: 92 Resp: 211956

Ion Ratio Lower Upper

92 100

91 179.4 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

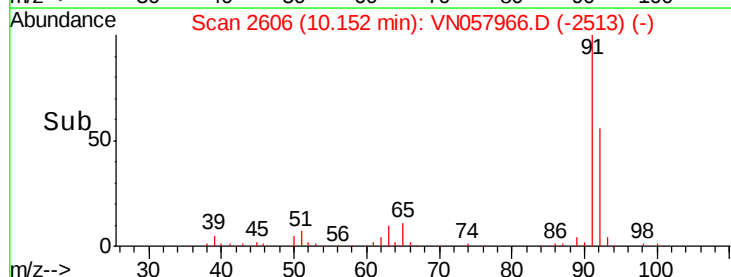
150000

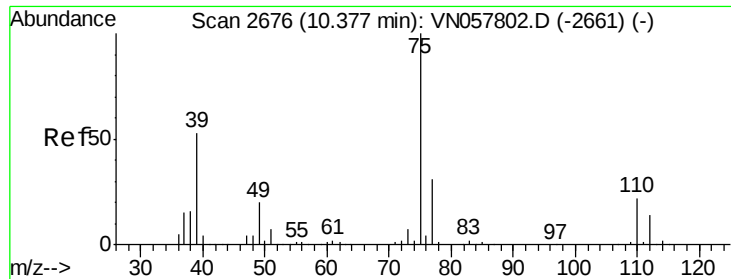
100000

50000

0

Time-->

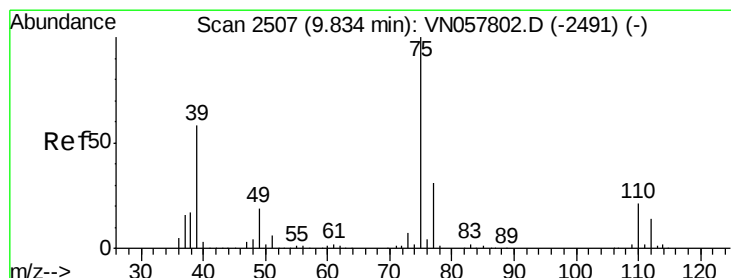
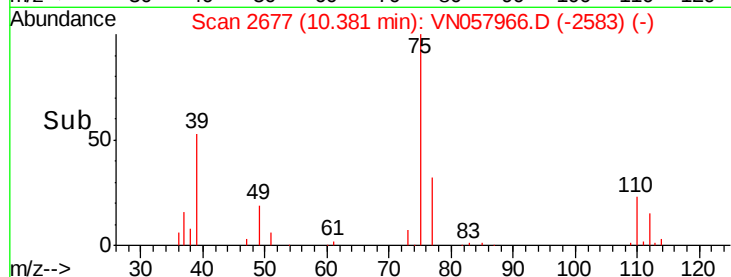
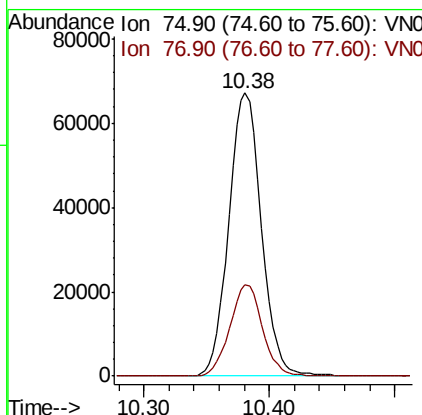
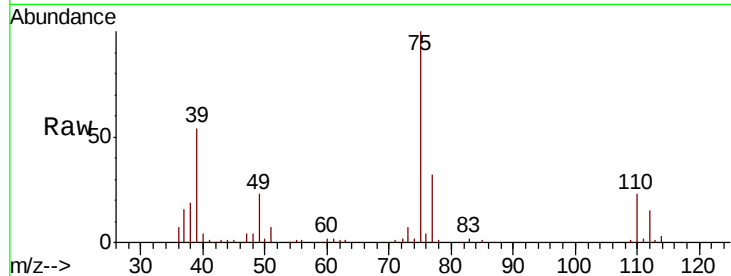




#53
 t-1,3-Dichloropropene
 Concen: 18.808 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

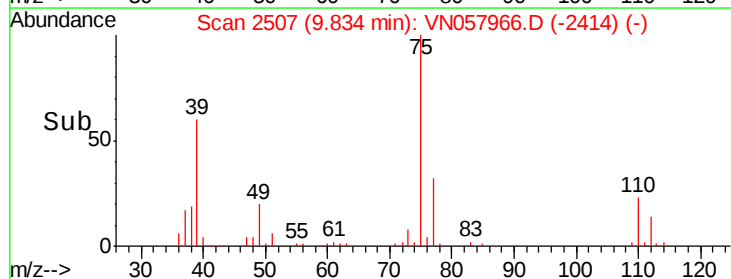
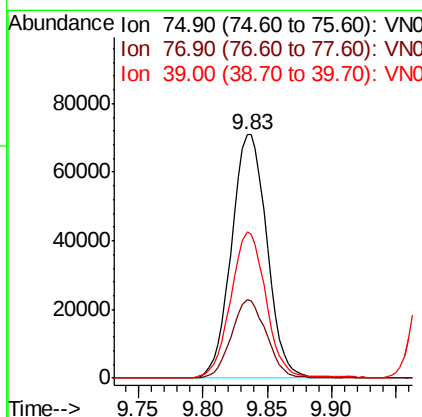
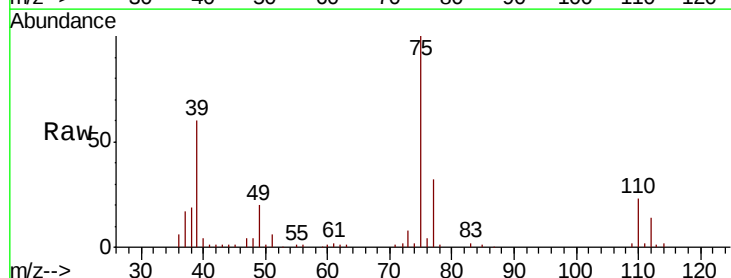
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

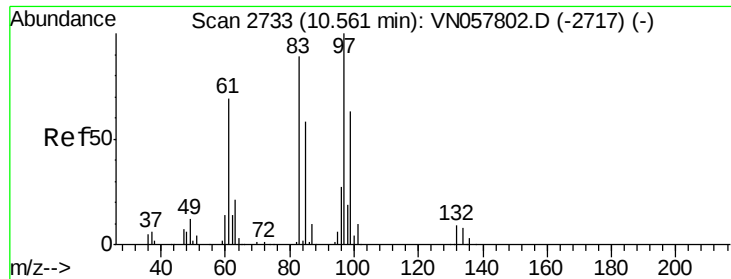
Tgt Ion: 75 Resp: 120957
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.111 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion: 75 Resp: 135697
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.8 37.2
 39 60.2 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 20.478 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

Tgt Ion: 97 Resp: 95024

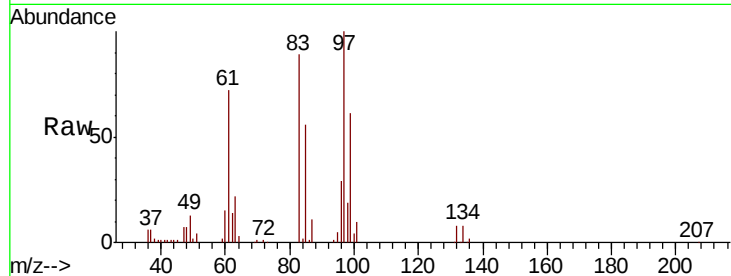
Ion Ratio Lower Upper

97 100

83 88.5 70.8 106.2

85 55.6 46.0 69.0

99 61.2 50.6 76.0

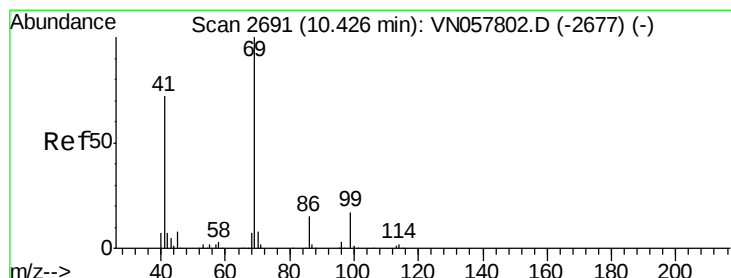
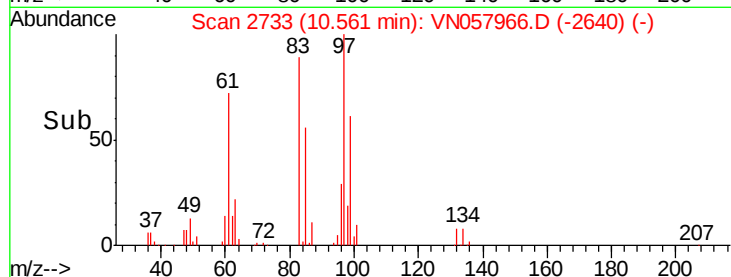
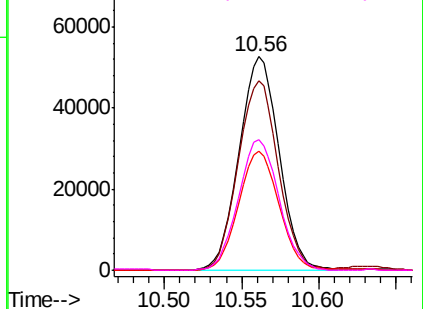


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.811 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

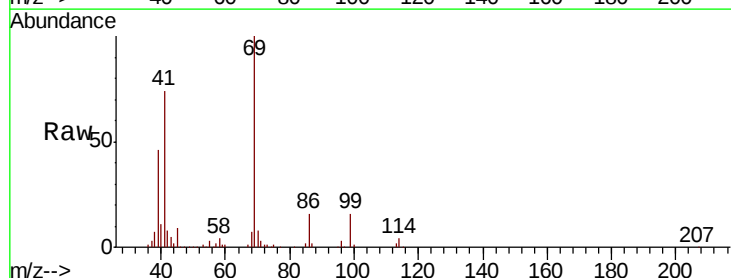
Tgt Ion: 69 Resp: 138440

Ion Ratio Lower Upper

69 100

41 71.7 56.7 85.1

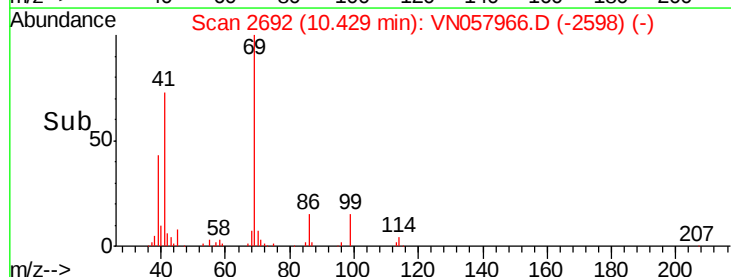
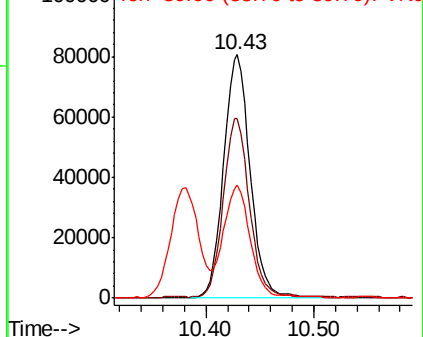
39 47.4 36.3 54.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.625 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampled :

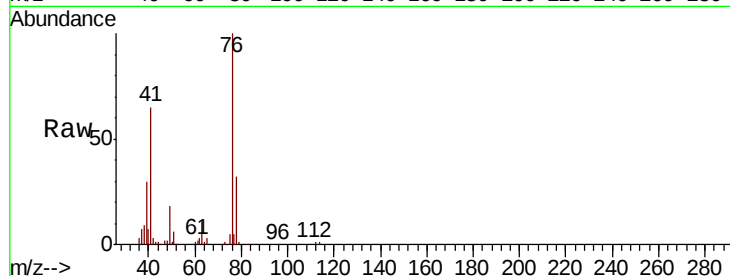
VN0913WBSD01

Tgt Ion: 76 Resp: 164939

Ion Ratio Lower Upper

76 100

78 31.3 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

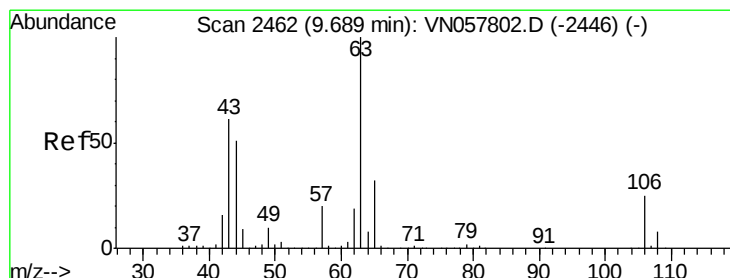
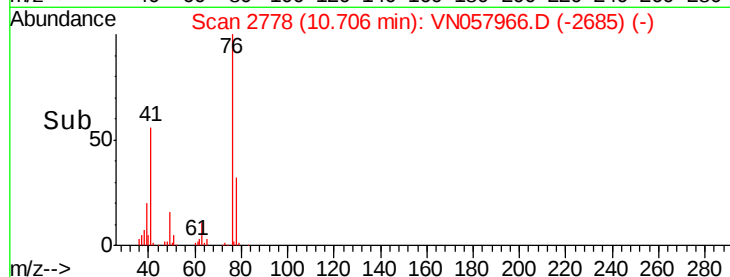
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.744 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057966.D

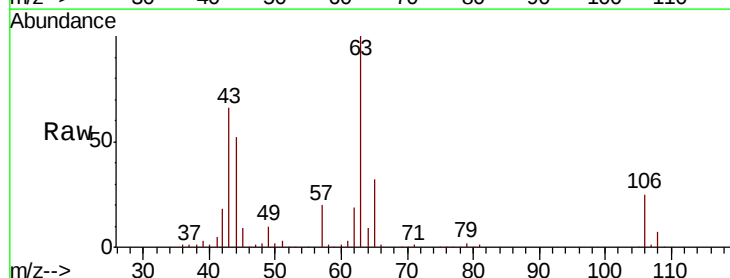
Acq: 12 Sep 2019 13:26

Tgt Ion: 63 Resp: 334863

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

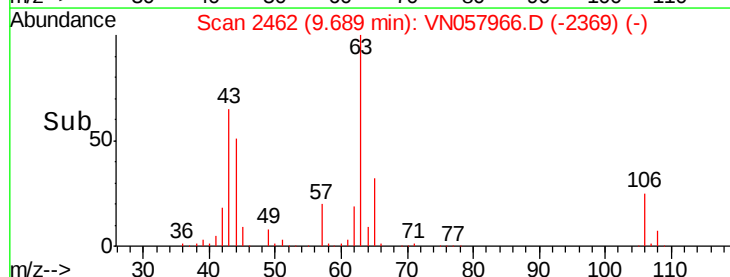
150000

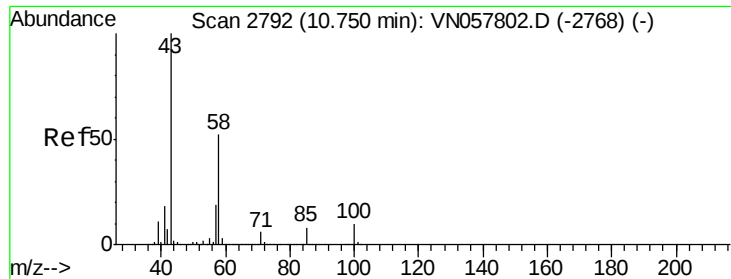
100000

50000

0

Time-->

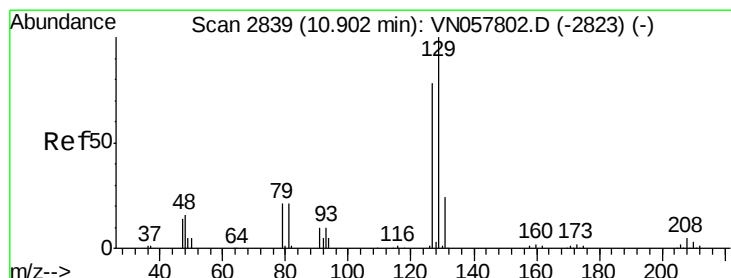
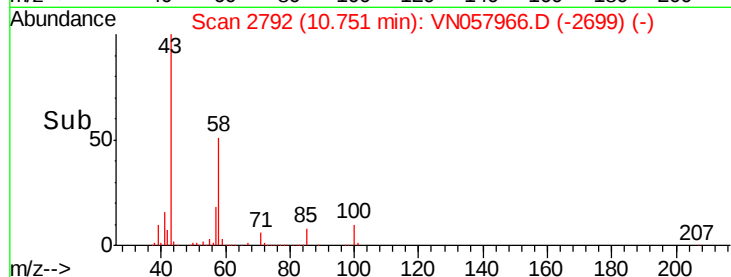
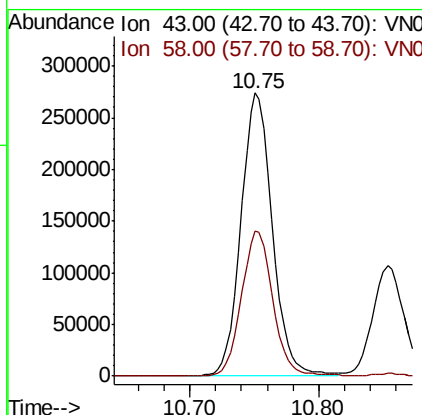
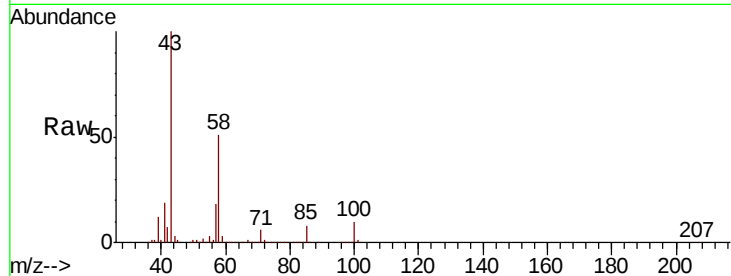




#59
2-Hexanone
Concen: 103.333 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

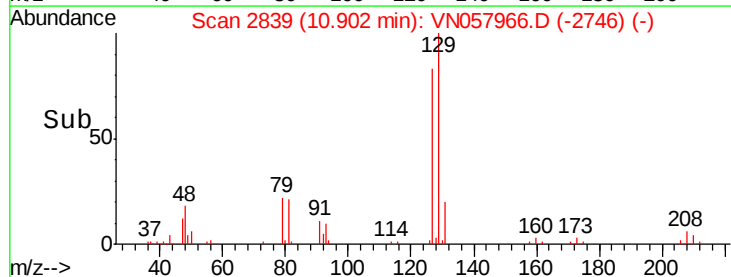
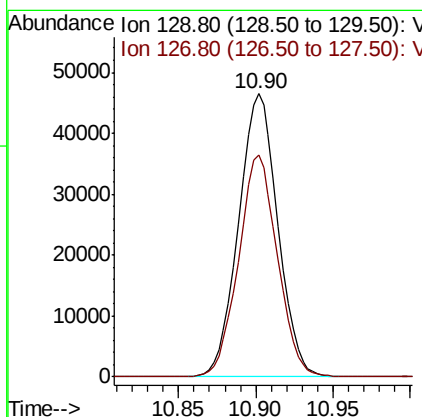
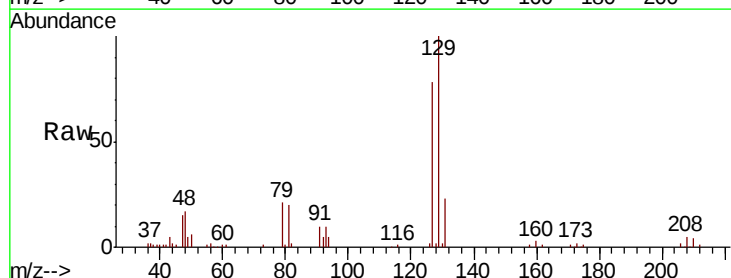
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

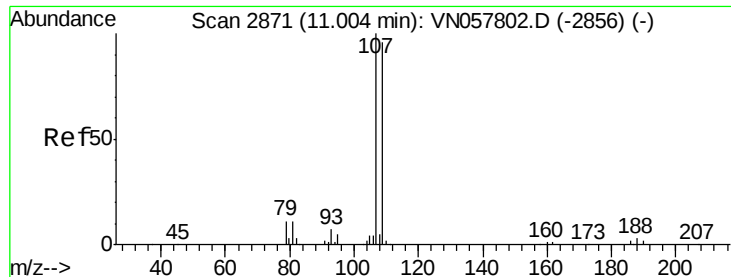
Tgt Ion: 43 Resp: 460071
Ion Ratio Lower Upper
43 100
58 51.7 25.6 76.8



#60
Dibromochloromethane
Concen: 19.054 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 129 Resp: 82104
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.130 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

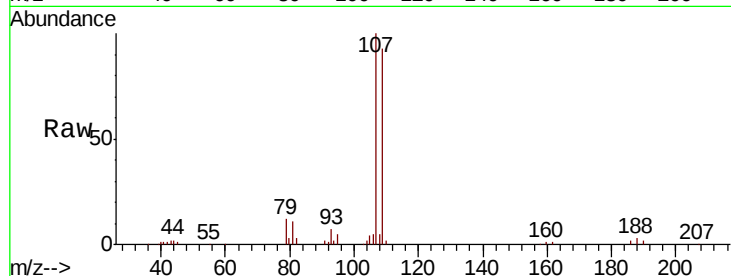
VN0913WBSD01

Tgt Ion: 107 Resp: 88312

Ion Ratio Lower Upper

107 100

109 92.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

50000

40000

30000

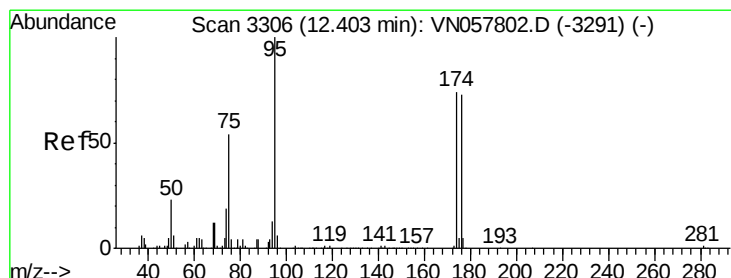
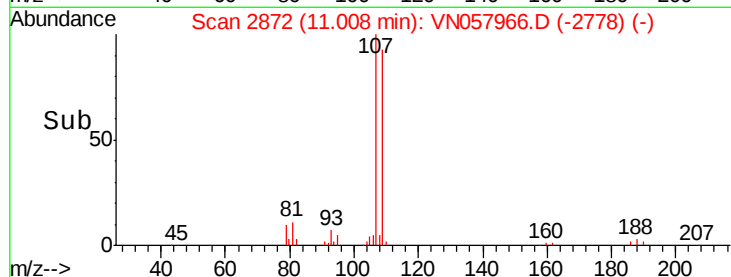
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 47.039 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

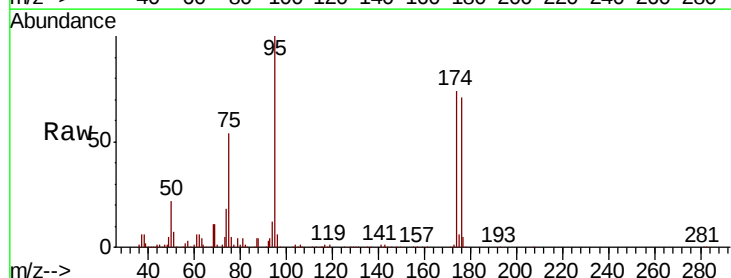
Tgt Ion: 95 Resp: 319996

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.2

176 72.0 0.0 146.0



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

250000

200000

150000

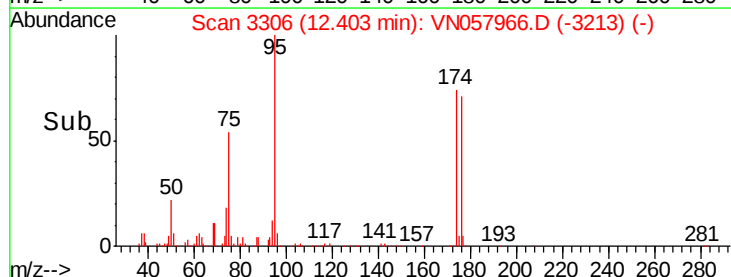
100000

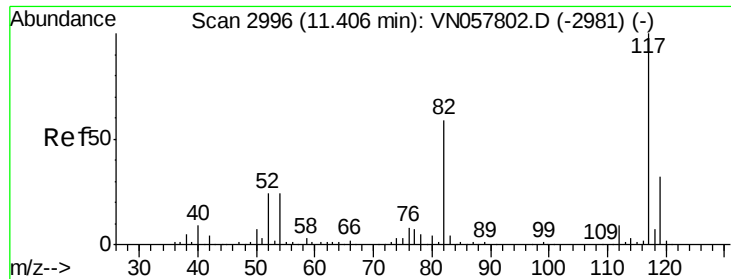
50000

0

Time-->

12.35 12.40 12.45 12.50

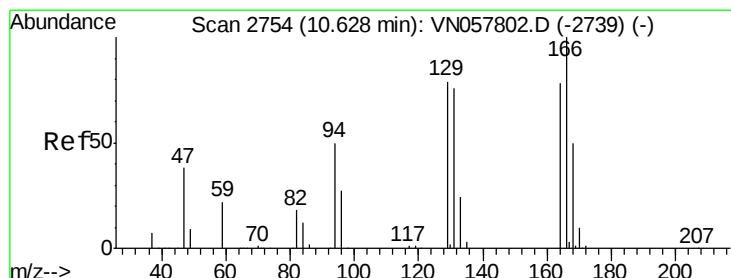
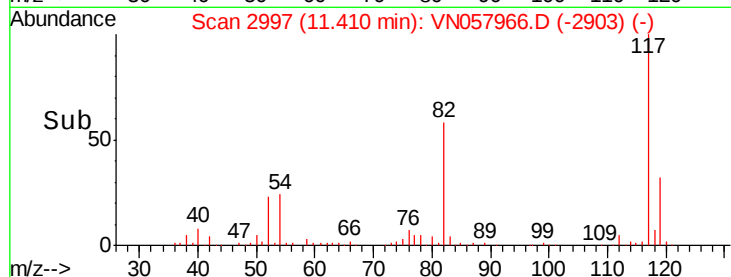
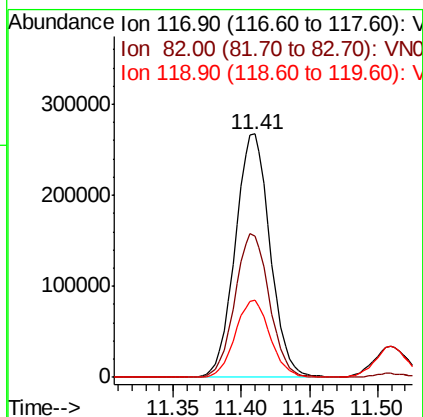
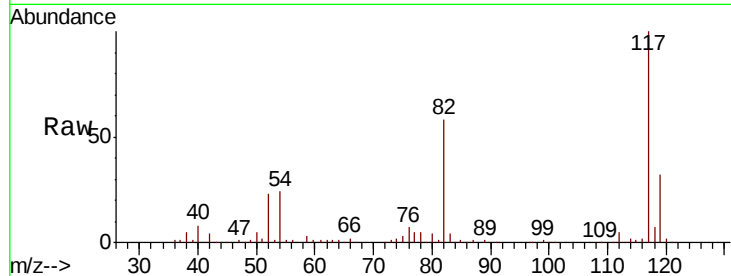




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

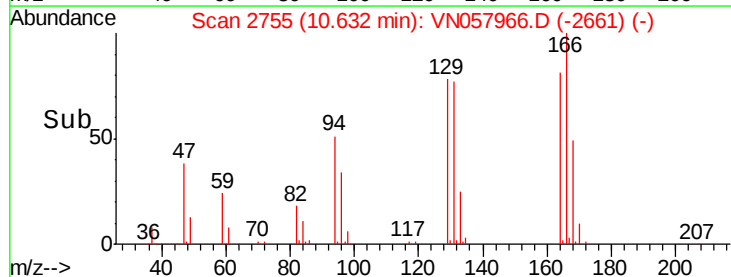
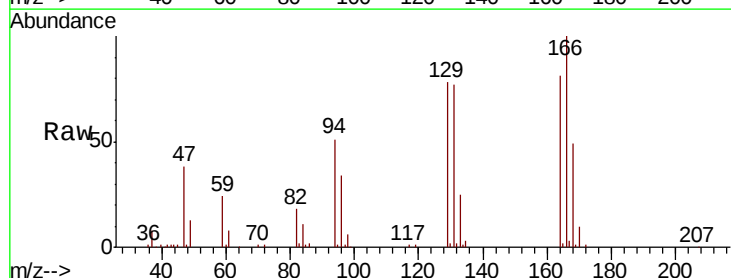
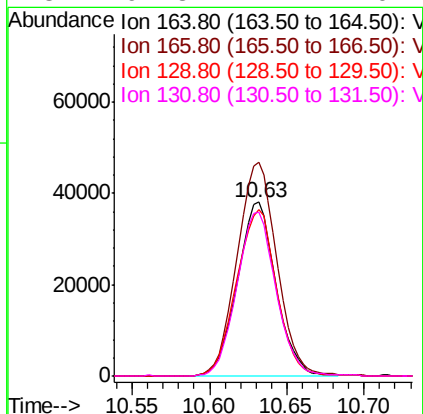
Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

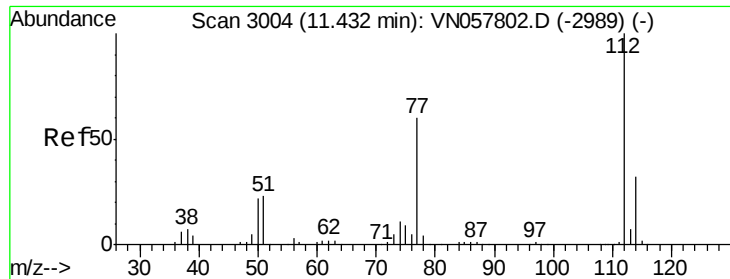
Tgt Ion:117 Resp: 473374
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 31.6 25.3 37.9



#64
Tetrachloroethene
Concen: 18.902 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion:164 Resp: 66065
Ion Ratio Lower Upper
164 100
166 122.9 102.2 153.2
129 95.9 80.8 121.2
131 94.3 77.4 116.2

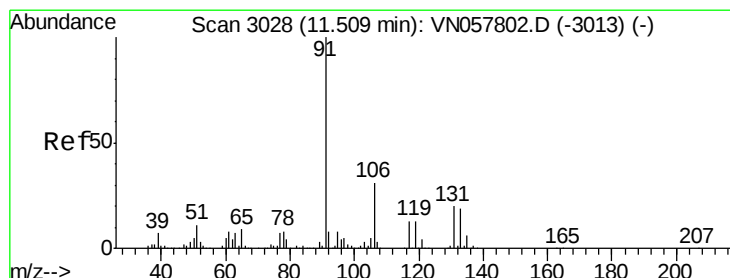
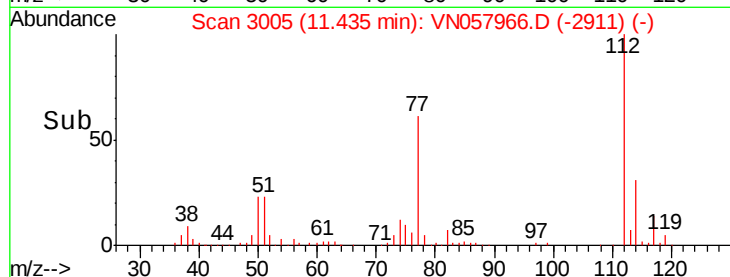
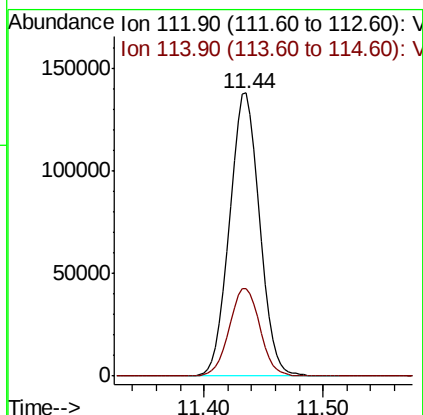
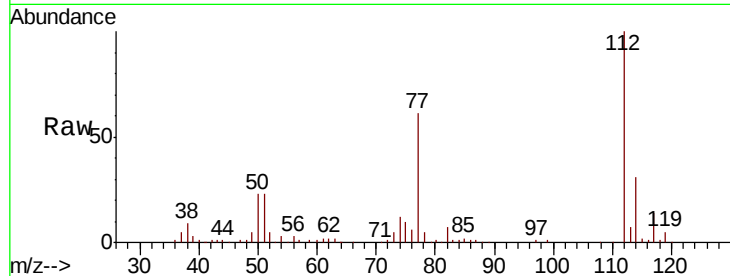




#65
Chlorobenzene
Concen: 19.562 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

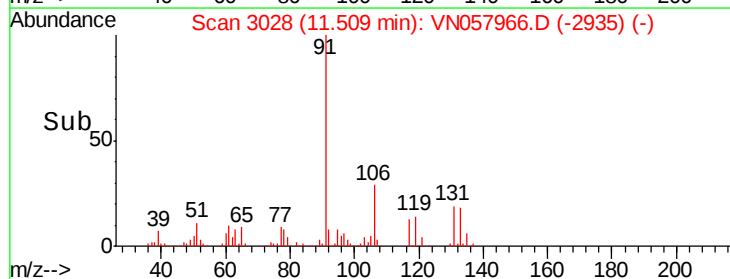
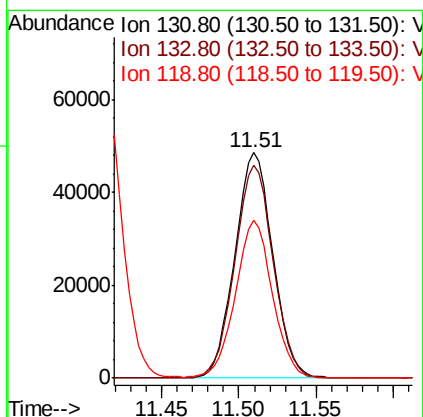
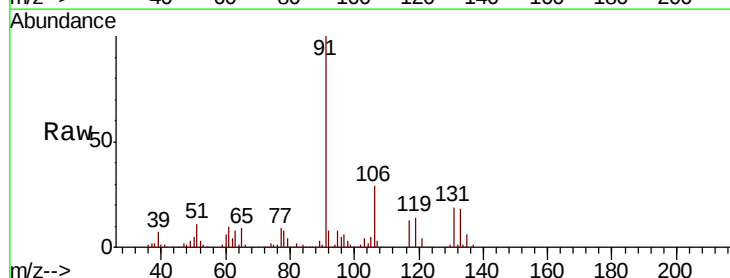
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

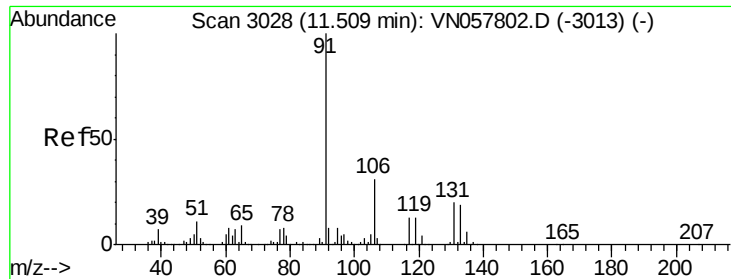
Tgt Ion:112 Resp: 242349
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.294 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion:131 Resp: 82938
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 68.1 33.3 99.8

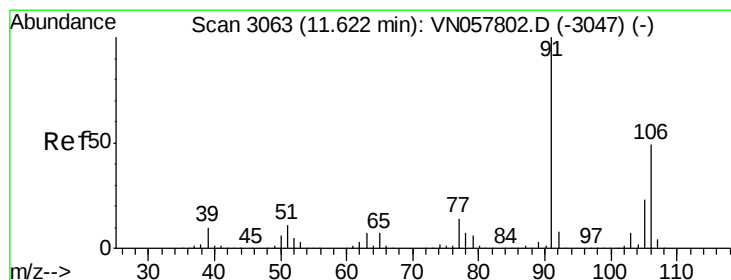
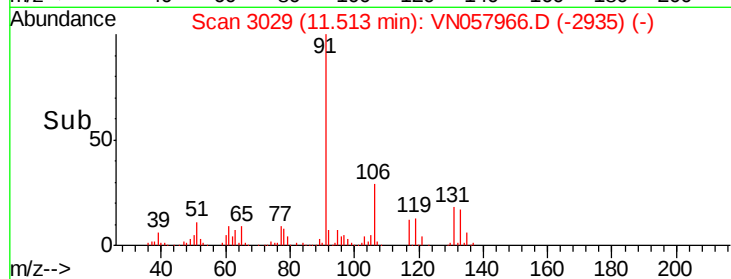
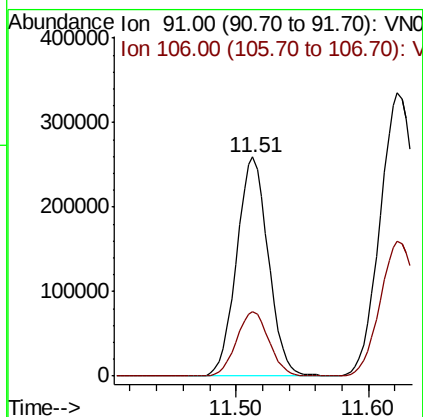
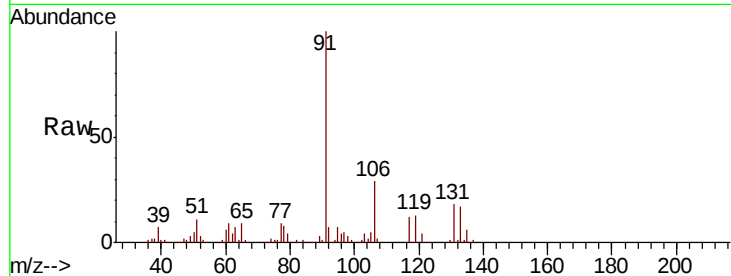




#67
Ethyl Benzene
Concen: 19.814 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

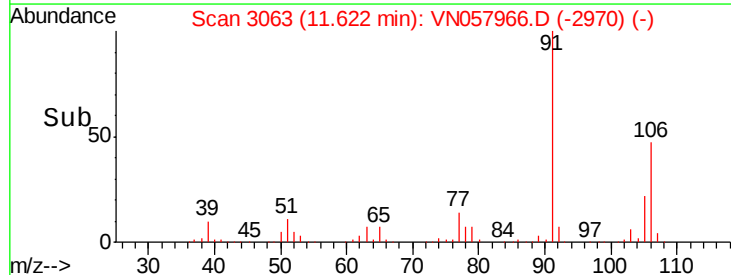
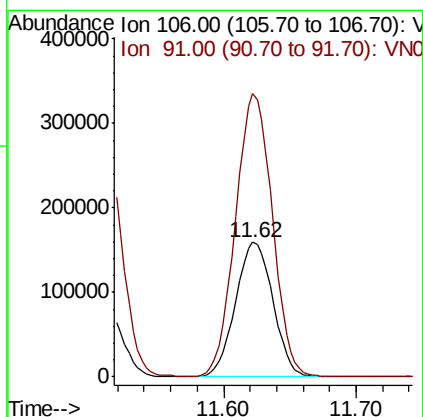
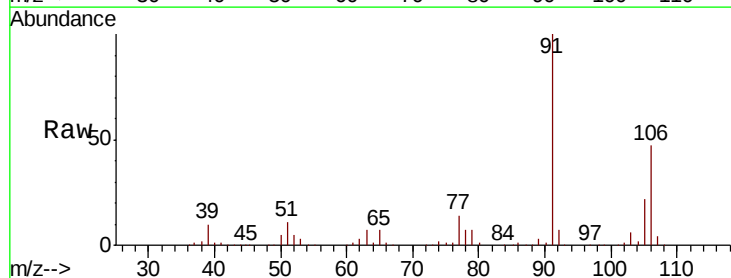
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

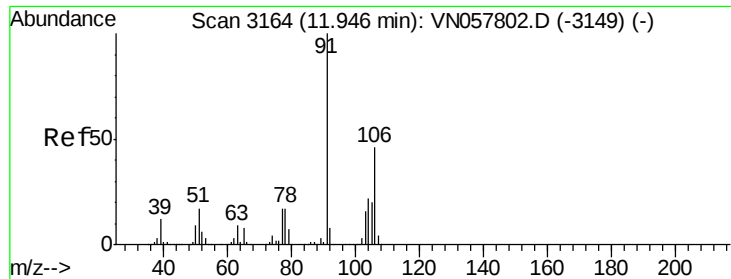
Tgt Ion: 91 Resp: 430195
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6



#68
m/p-Xylenes
Concen: 39.218 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion: 106 Resp: 311898
Ion Ratio Lower Upper
106 100
91 207.8 165.8 248.6

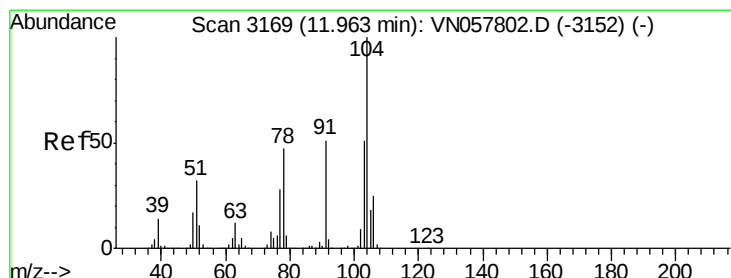
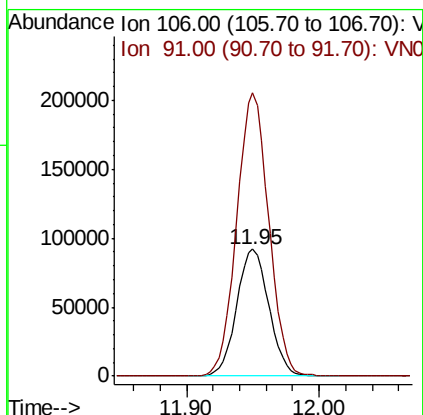
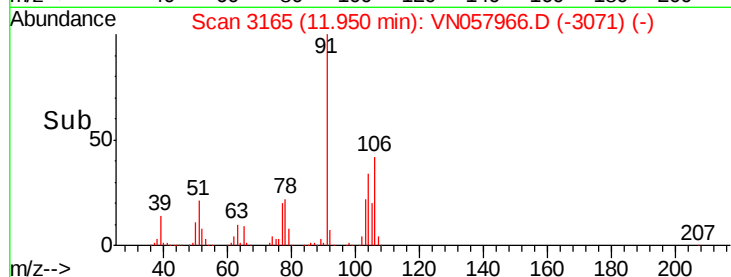
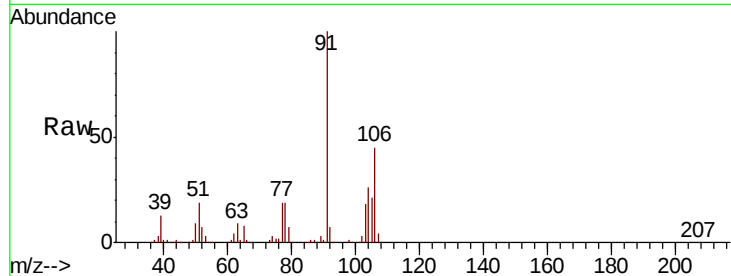




#69
o-Xylene
Concen: 19.680 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

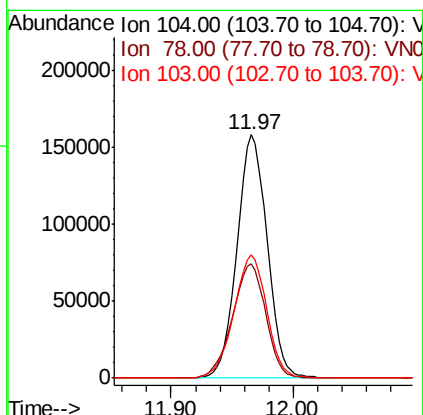
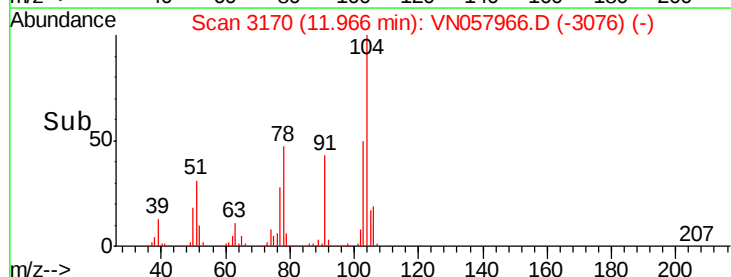
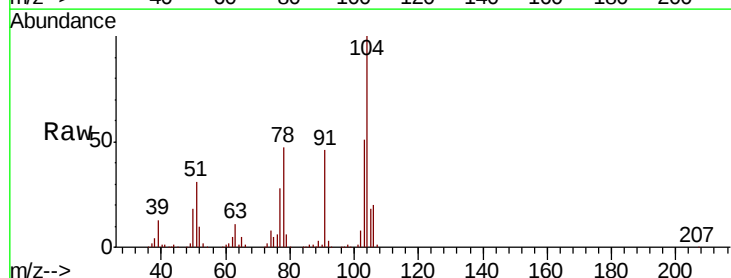
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

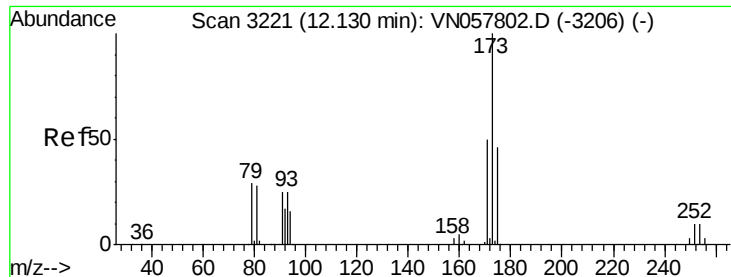
Tgt Ion:106 Resp: 155597
Ion Ratio Lower Upper
106 100
91 221.3 108.7 326.1



#70
Styrene
Concen: 19.890 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion:104 Resp: 270642
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 55.2 43.7 65.5

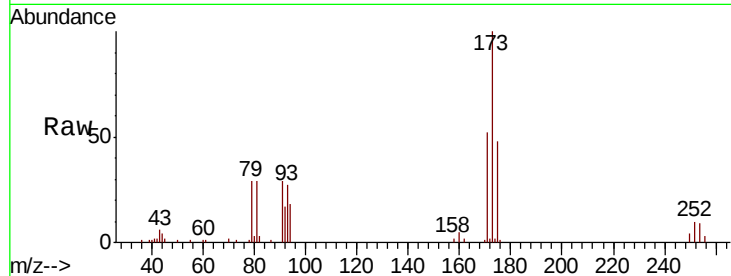




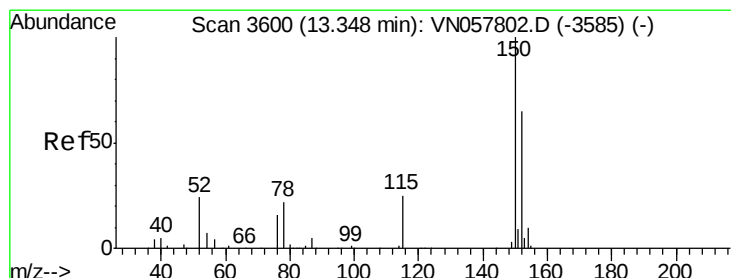
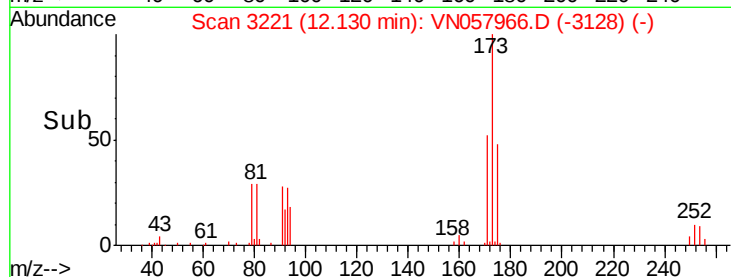
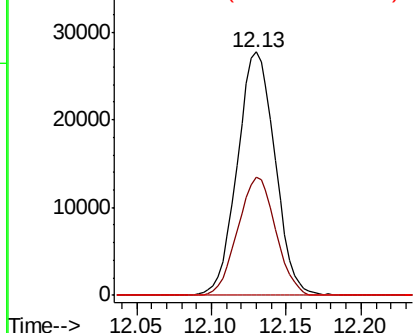
#71
Bromoform
Concen: 18.126 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD01

Tgt Ion:173 Resp: 48580
Ion Ratio Lower Upper
173 100
175 48.8 23.5 70.6
254 0.0 0.1 0.1#

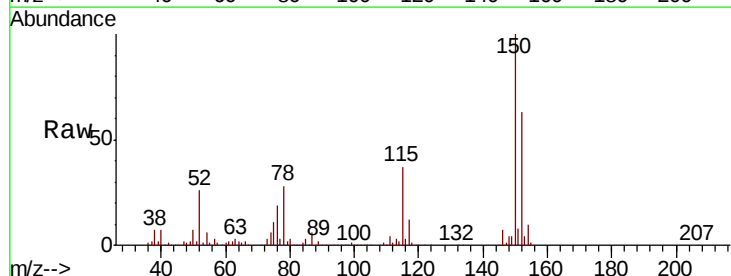


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

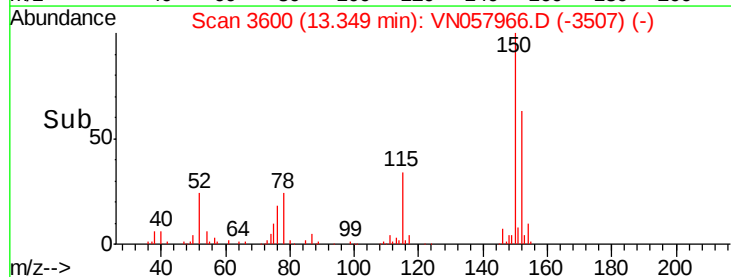
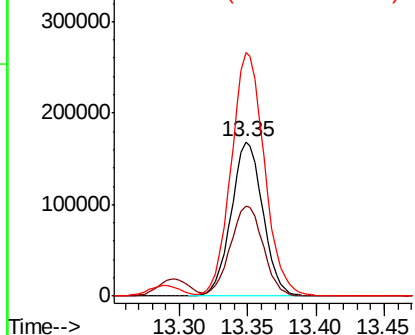


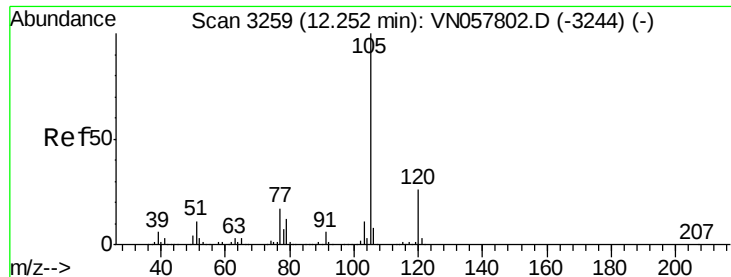
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion:152 Resp: 271482
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 165.4 0.0 352.4



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: 20.658 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

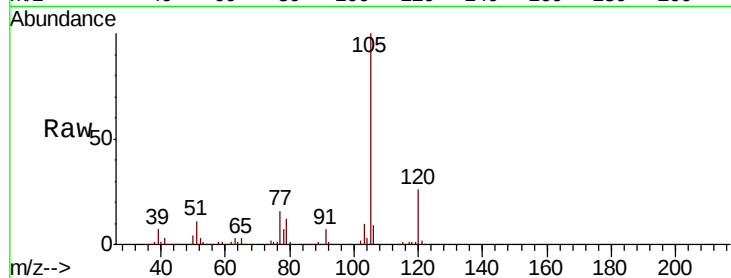
VN0913WBSD01

Tgt Ion: 105 Resp: 435192

Ion Ratio Lower Upper

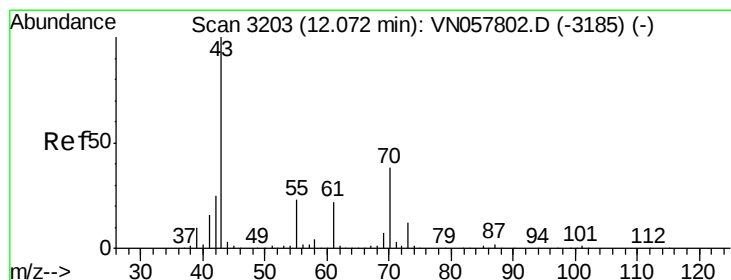
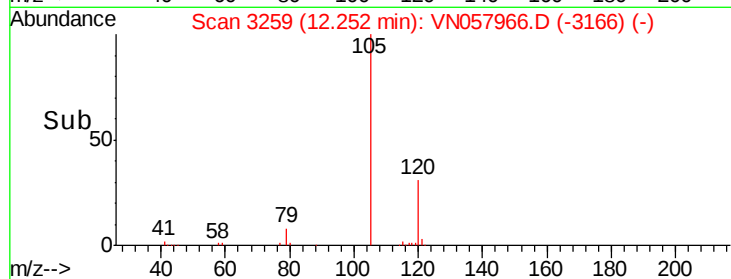
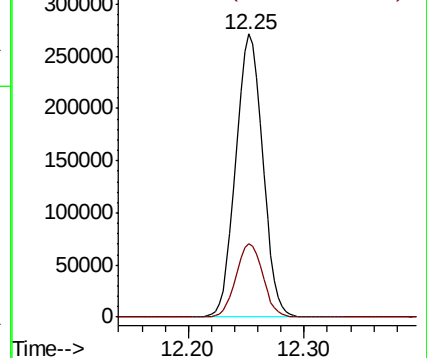
105 100

120 25.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.027 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Tgt Ion: 43 Resp: 183606

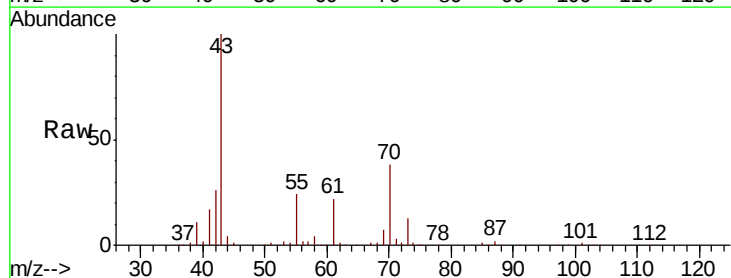
Ion Ratio Lower Upper

43 100

70 38.2 30.6 45.8

55 24.1 18.6 27.8

61 22.7 17.4 26.2

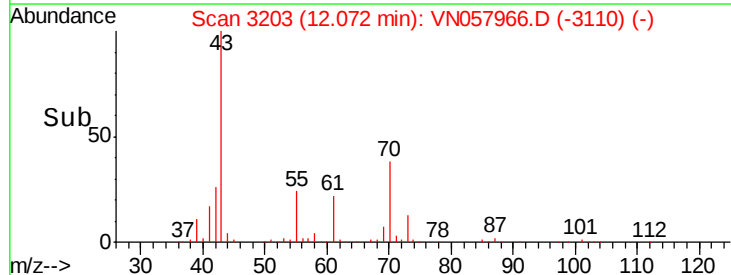
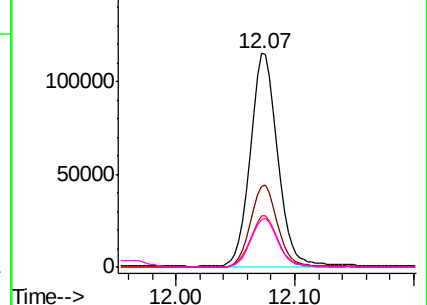


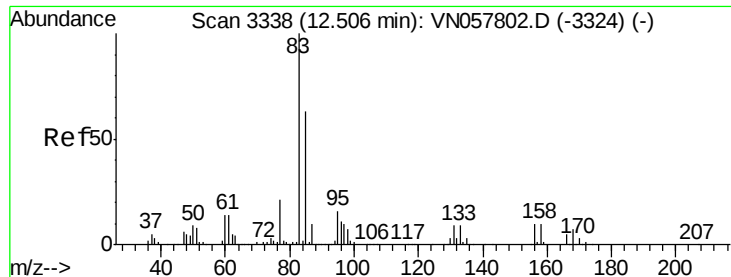
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.287 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

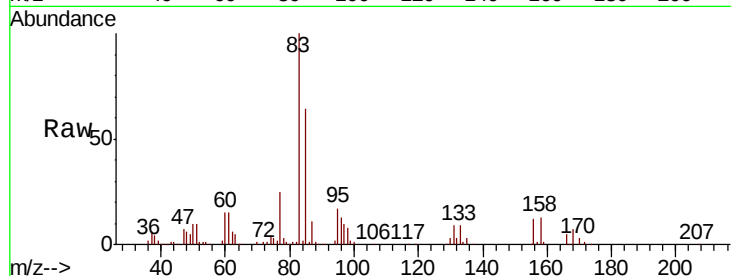
Tgt Ion: 83 Resp: 143896

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

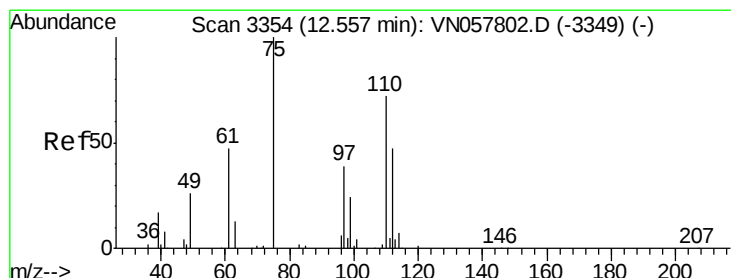
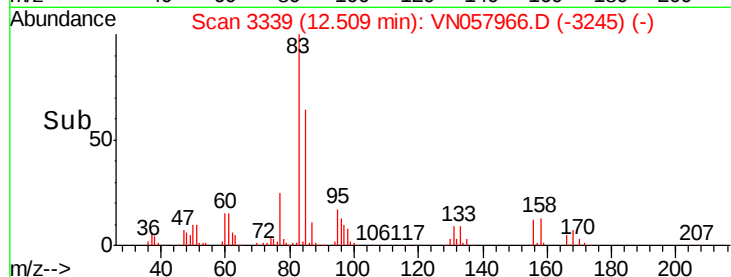
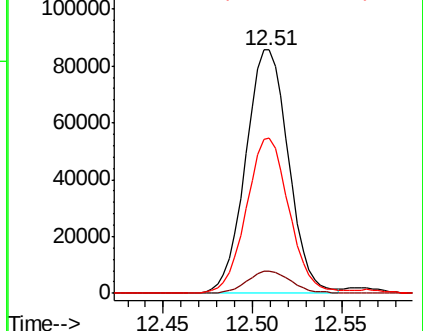
85 63.8 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.020 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057966.D

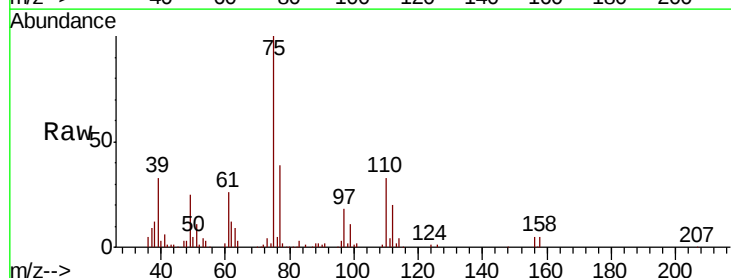
Acq: 12 Sep 2019 13:26

Tgt Ion: 75 Resp: 172083

Ion Ratio Lower Upper

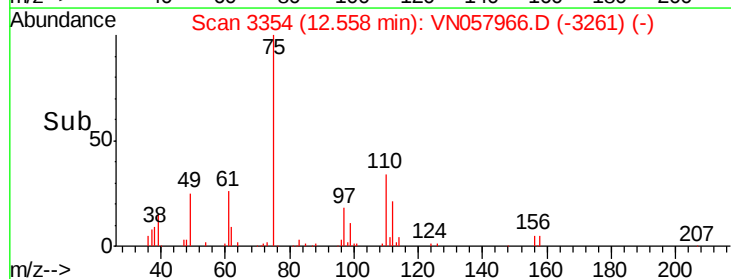
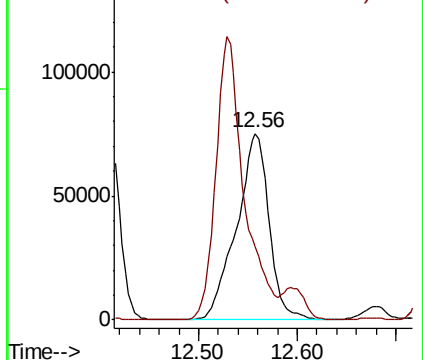
75 100

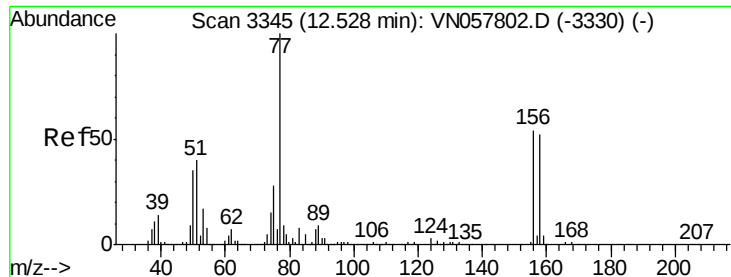
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.421 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD01

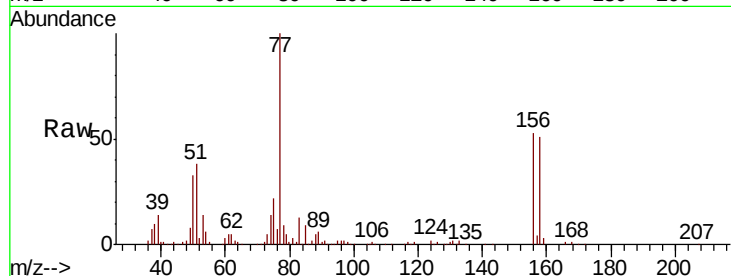
Tgt Ion:156 Resp: 102004

Ion Ratio Lower Upper

156 100

77 224.4 113.7 341.1

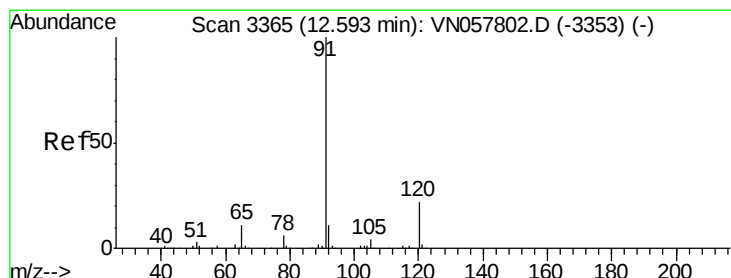
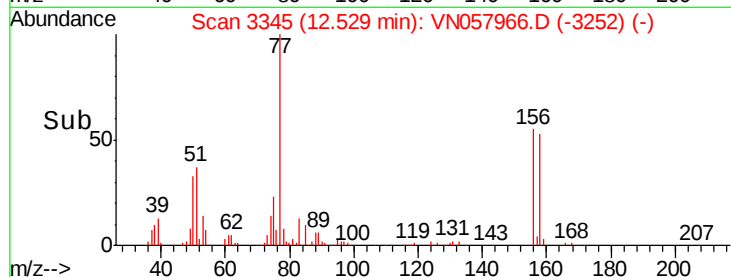
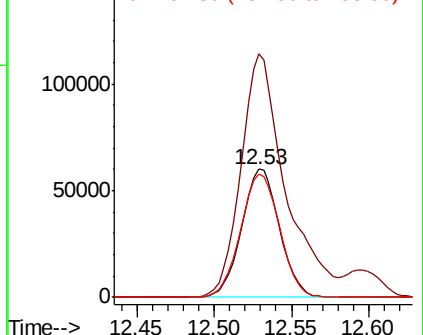
158 99.5 48.5 145.6



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: 20.688 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057966.D

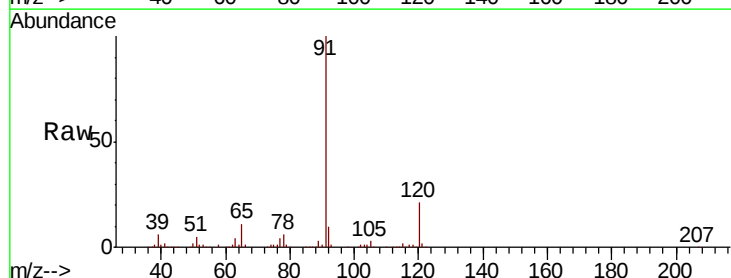
Acq: 12 Sep 2019 13:26

Tgt Ion: 91 Resp: 500444

Ion Ratio Lower Upper

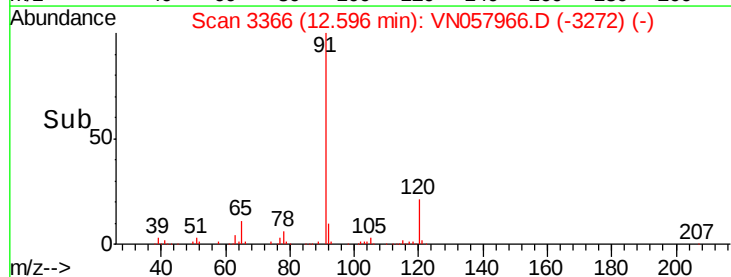
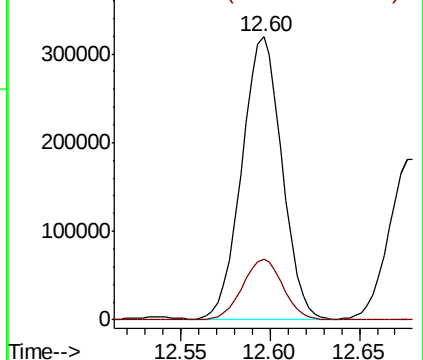
91 100

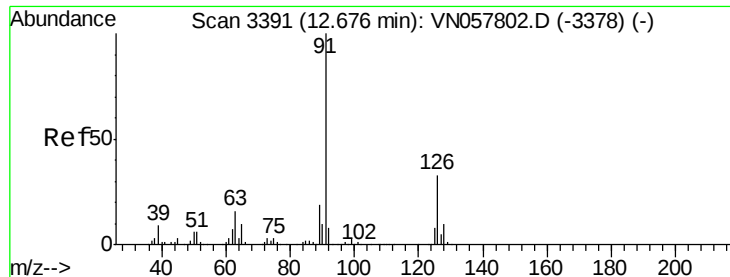
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.704 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

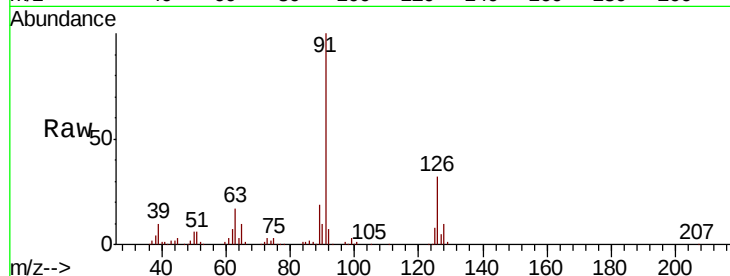
VN0913WBSD01

Tgt Ion: 91 Resp: 301256

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)

300000

200000

100000

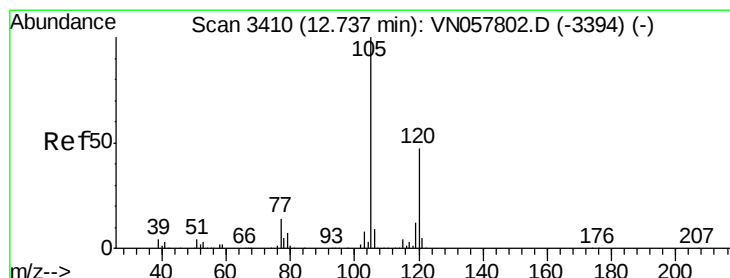
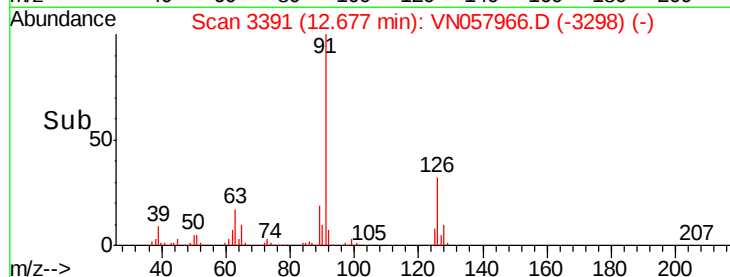
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.409 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057966.D

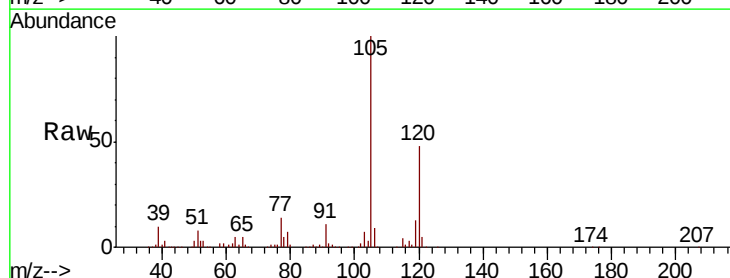
Acq: 12 Sep 2019 13:26

Tgt Ion: 105 Resp: 363267

Ion Ratio Lower Upper

105 100

120 47.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)

250000

200000

150000

100000

50000

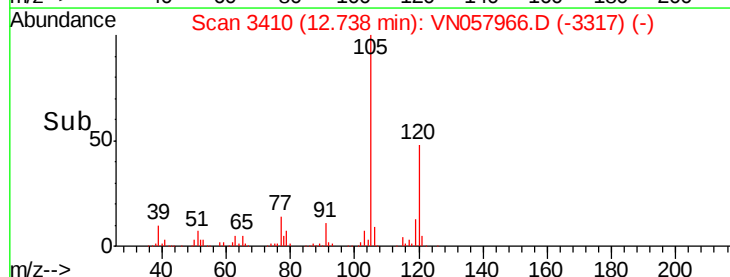
0

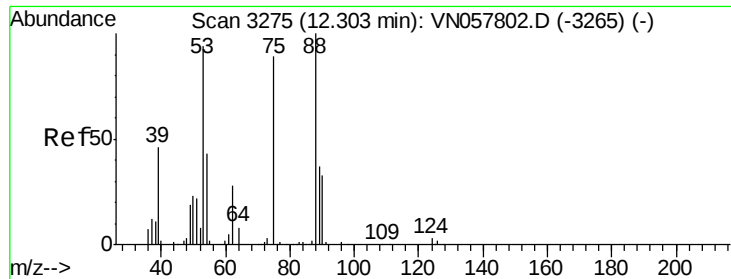
12.74

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.666 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

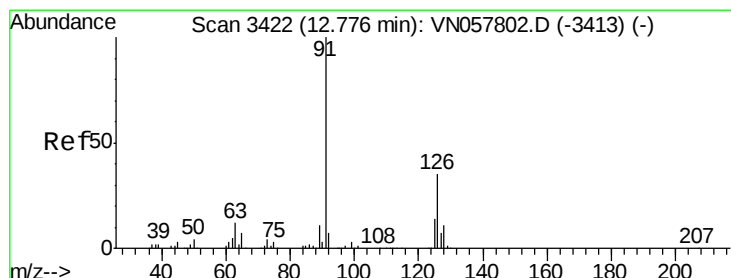
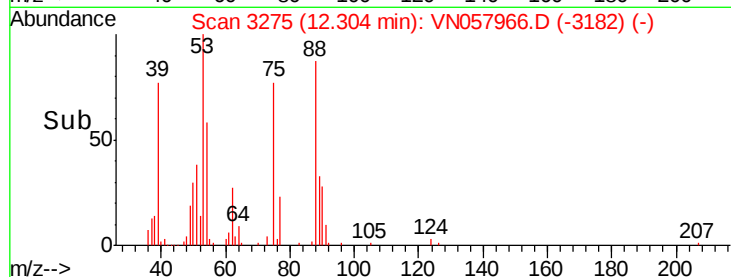
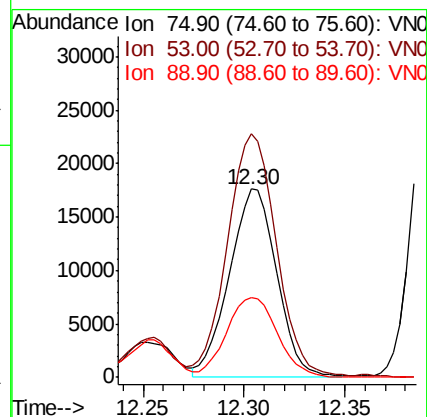
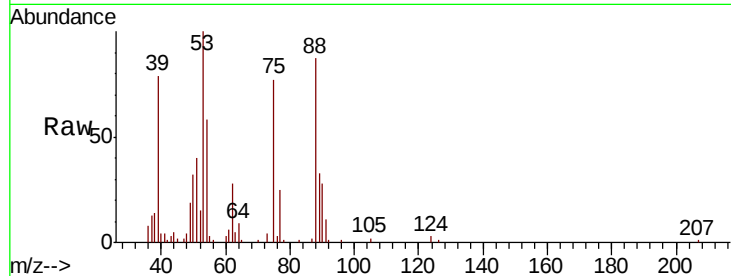
Tgt Ion: 75 Resp: 29085

Ion Ratio Lower Upper

75 100

53 131.3 88.4 132.6

89 45.7 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.684 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057966.D

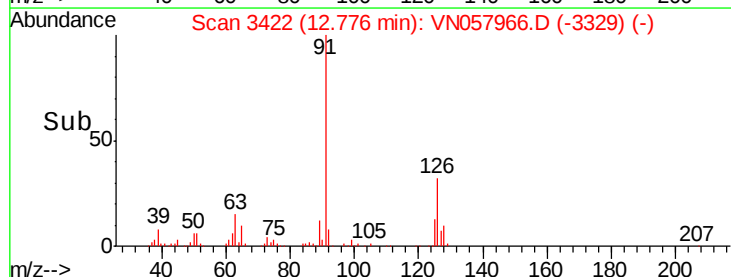
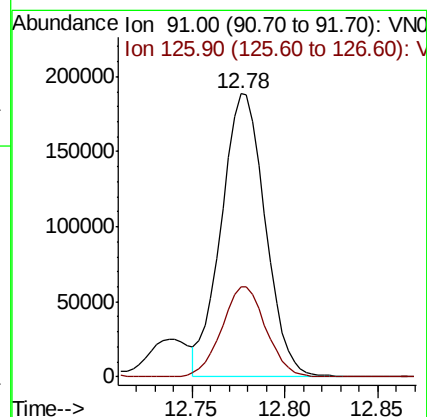
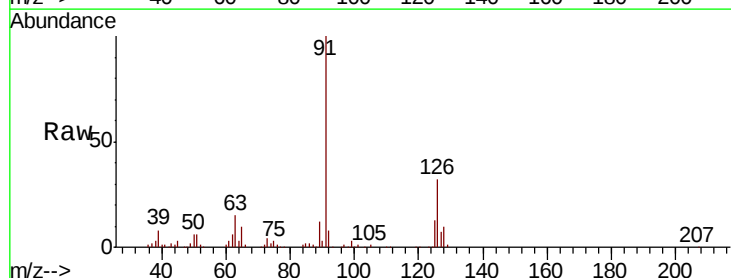
Acq: 12 Sep 2019 13:26

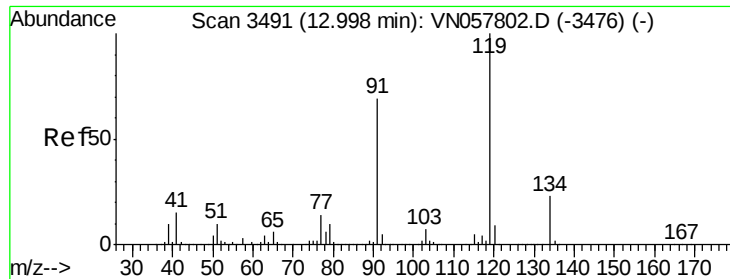
Tgt Ion: 91 Resp: 309060

Ion Ratio Lower Upper

91 100

126 32.2 16.0 48.0

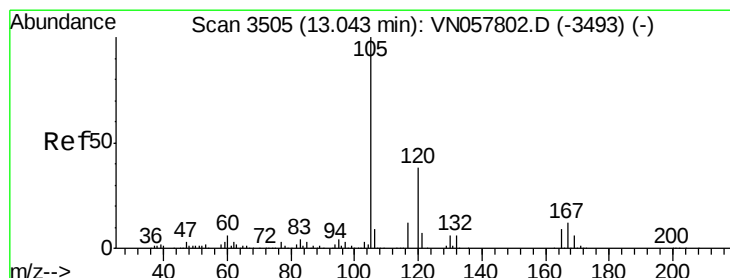
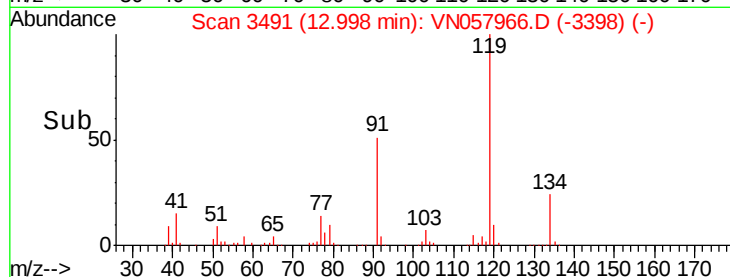
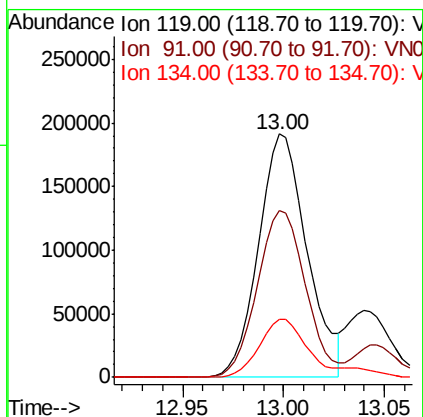
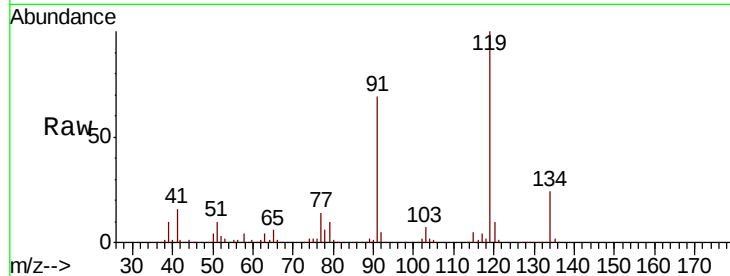




#83
tert-Butylbenzene
Concen: 20.306 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

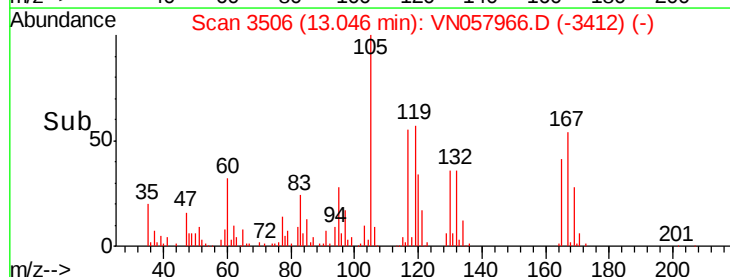
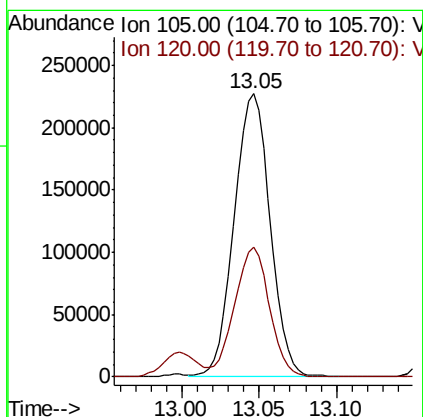
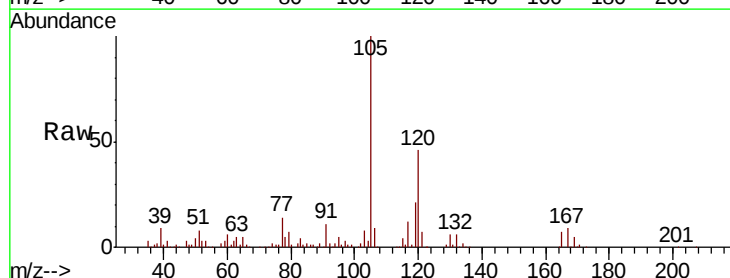
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

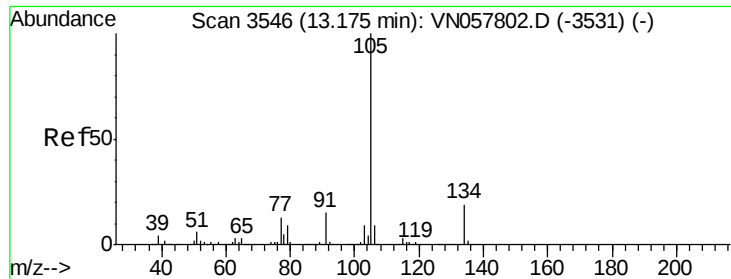
Tgt Ion:119 Resp: 321284
Ion Ratio Lower Upper
119 100
91 68.0 33.6 100.8
134 23.3 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 20.237 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion:105 Resp: 366092
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.2

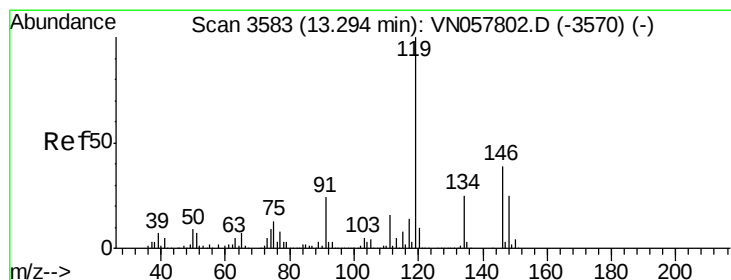
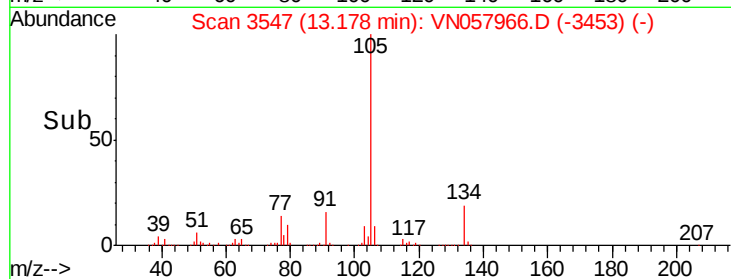
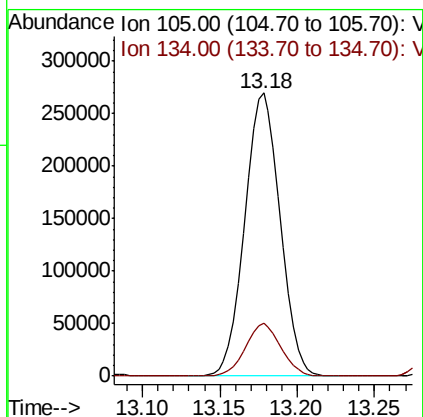
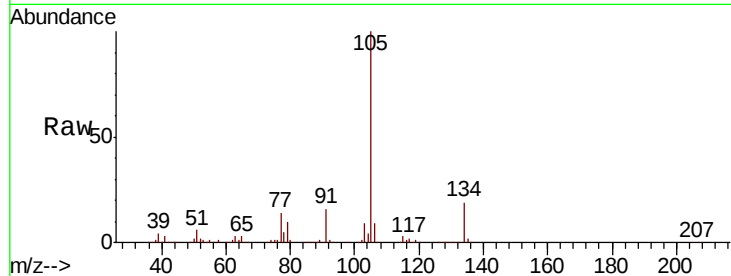




#85
 sec-Butylbenzene
 Concen: 20.514 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

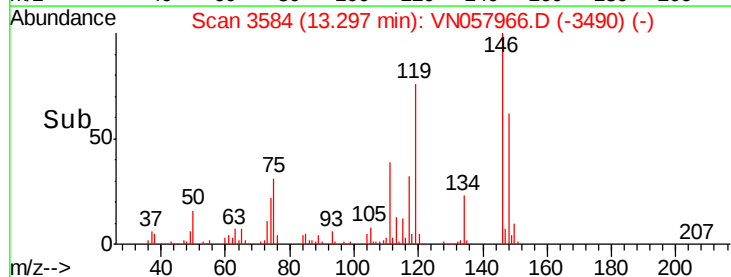
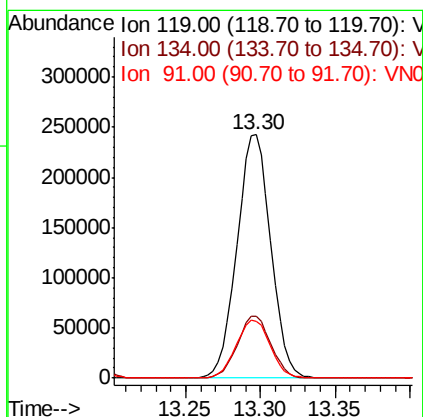
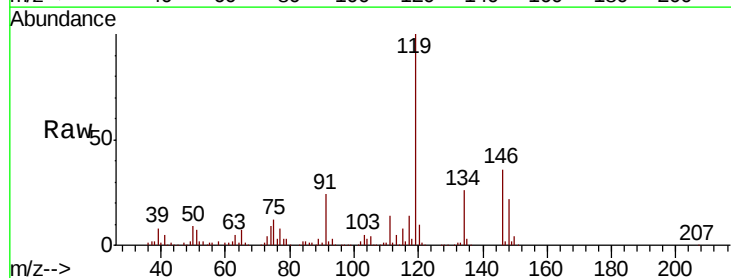
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

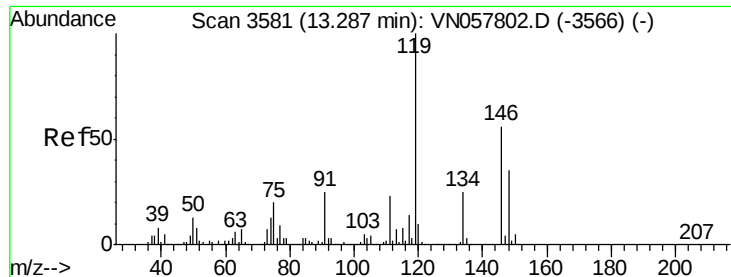
Tgt Ion:105 Resp: 430208
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.578 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion:119 Resp: 380230
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 24.3 12.3 36.8

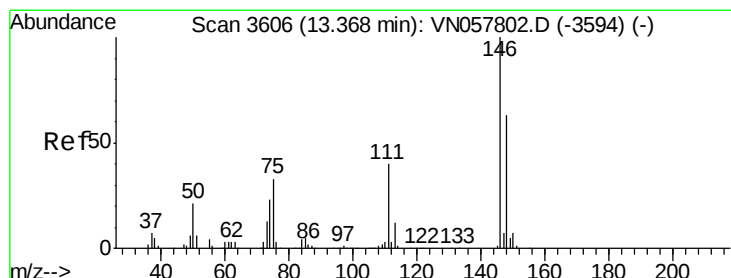
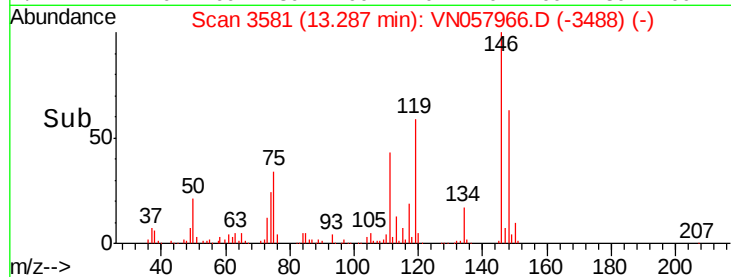
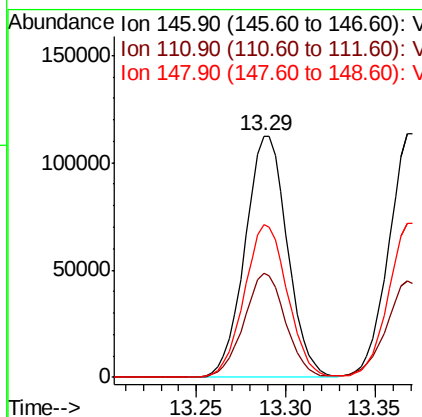
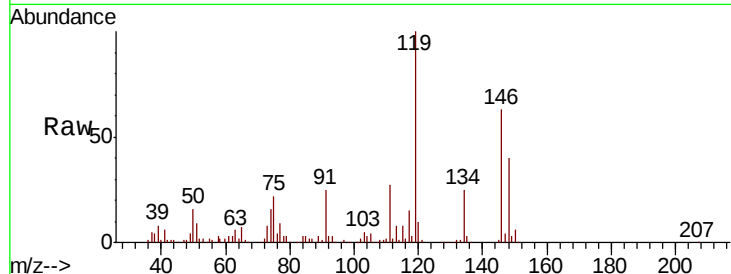




#87
 1,3-Dichlorobenzene
 Concen: 19.331 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

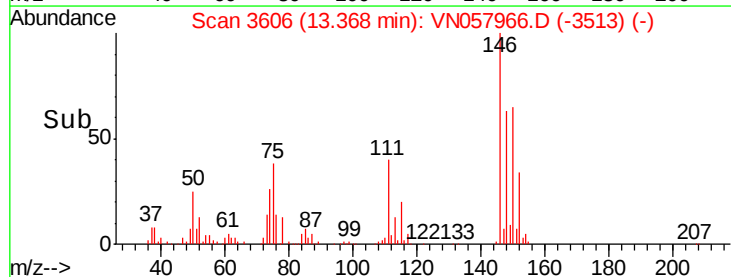
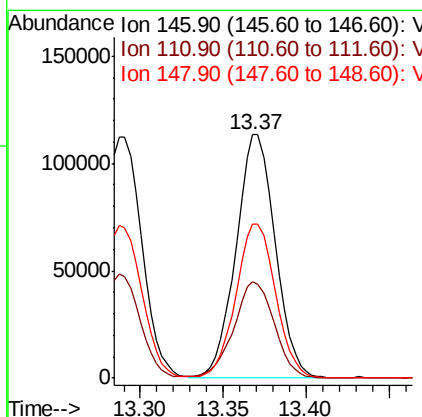
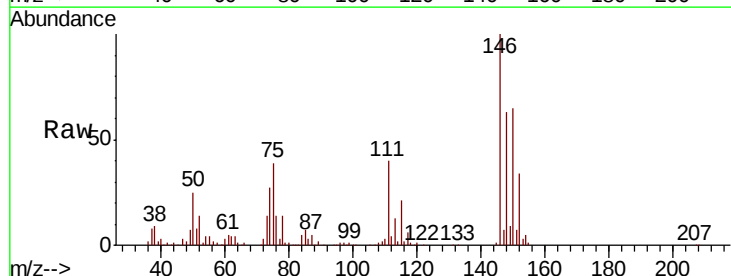
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

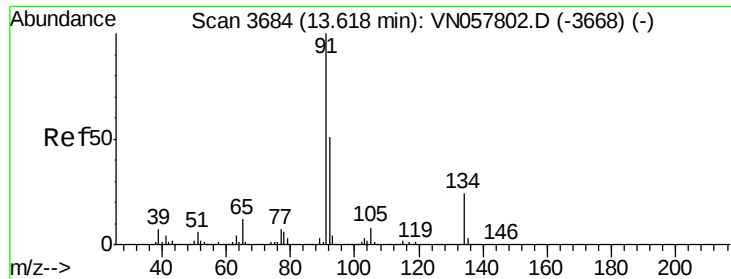
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.5	61.6
148	64.4	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.021 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	64.5	31.8	95.4





#89

n-Butylbenzene

Concen: 19.648 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057966.D

Acq: 12 Sep 2019 13:26

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD01

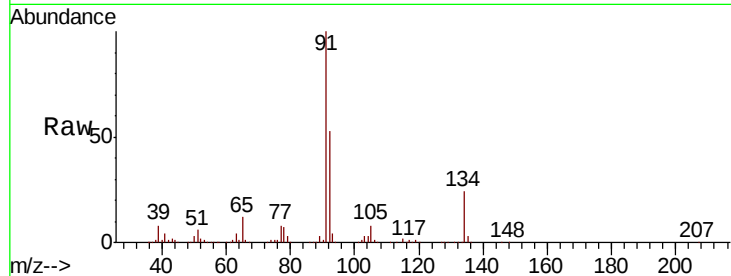
Tgt Ion: 91 Resp: 342852

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.0

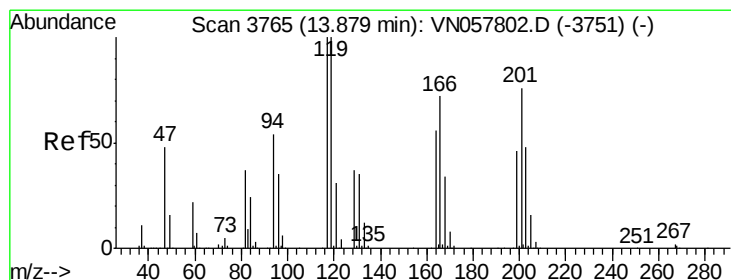
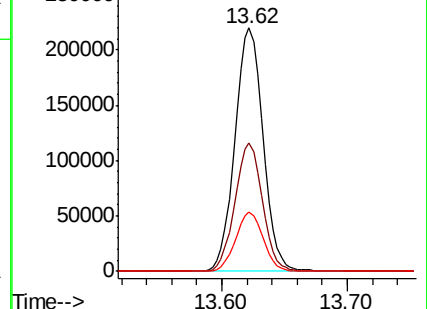
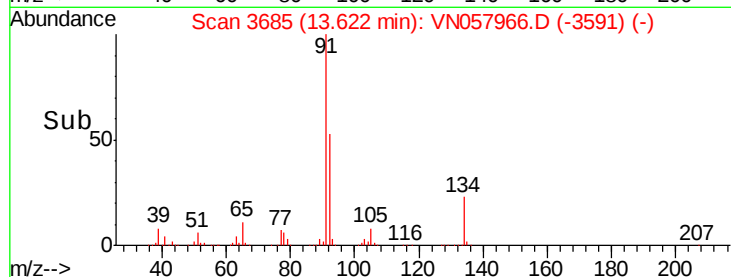
134 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.239 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057966.D

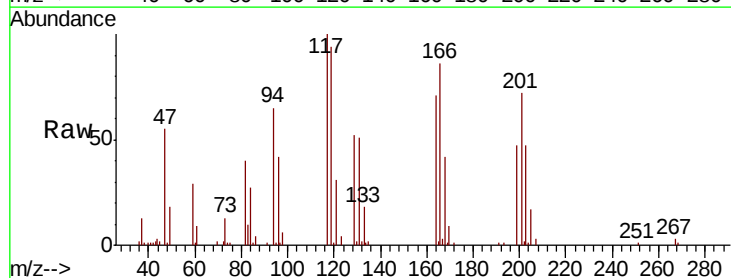
Acq: 12 Sep 2019 13:26

Tgt Ion: 117 Resp: 52869

Ion Ratio Lower Upper

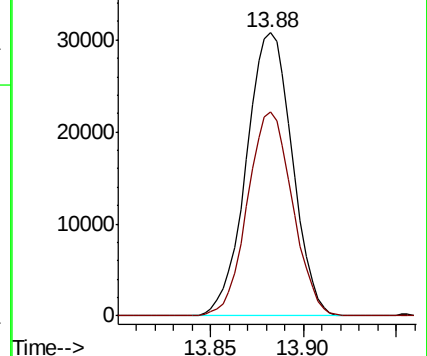
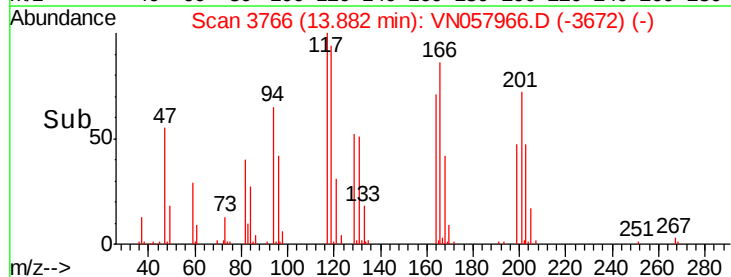
117 100

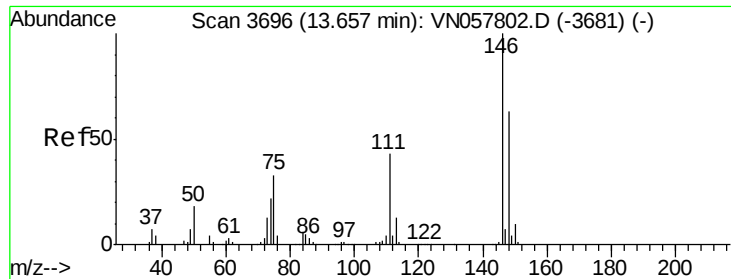
201 70.5 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

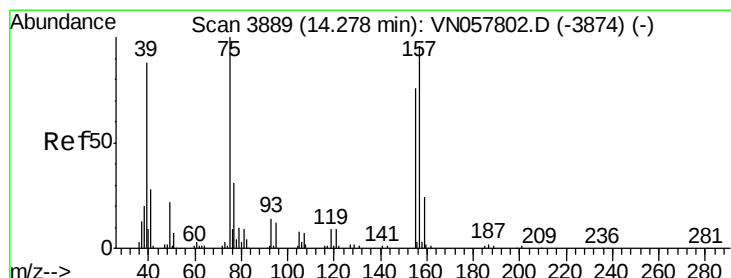
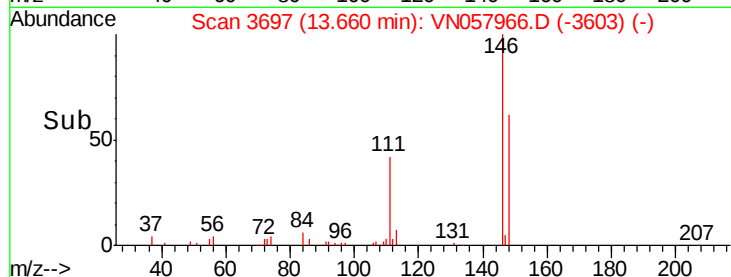
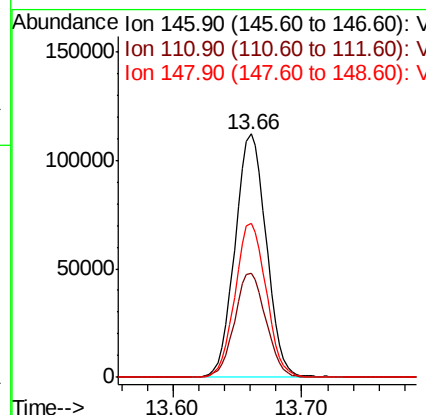
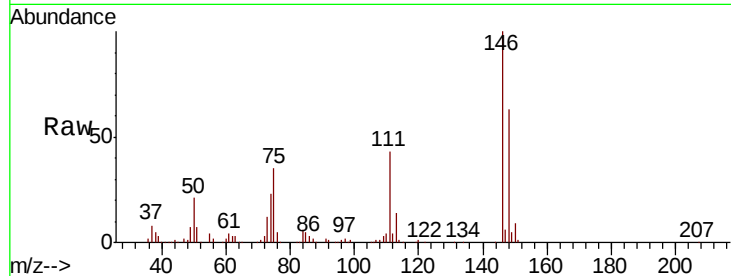




#91
 1,2-Dichlorobenzene
 Concen: 19.641 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

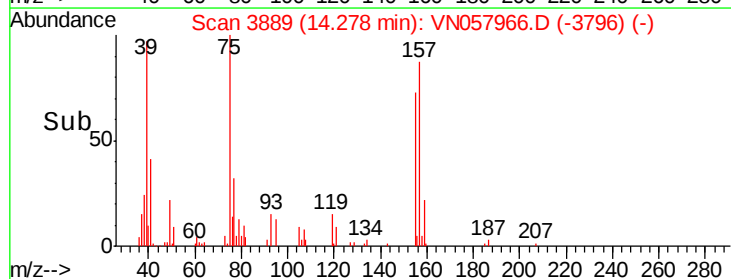
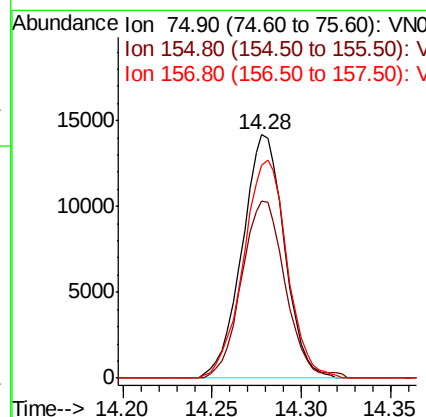
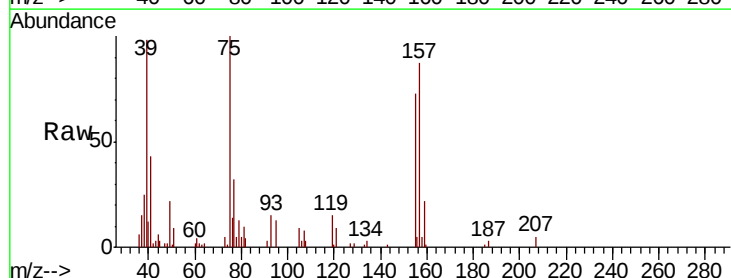
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

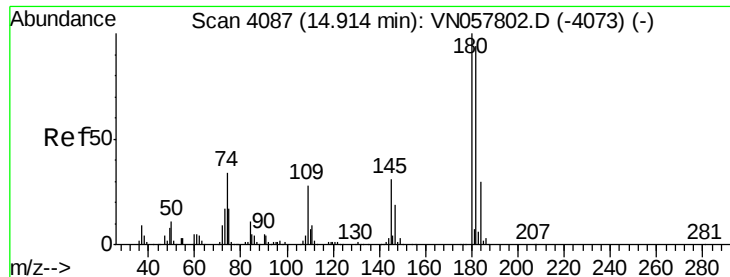
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	62.9	31.4	94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.013 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	37.3	111.8
157	92.6	47.9	143.8

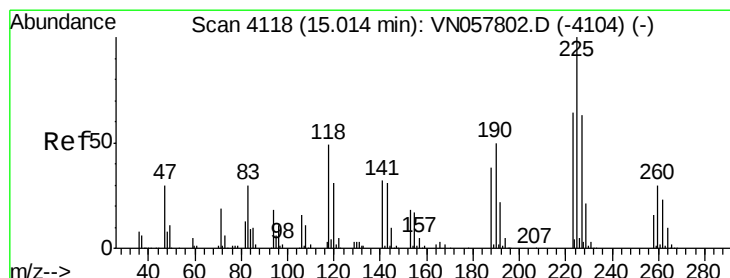
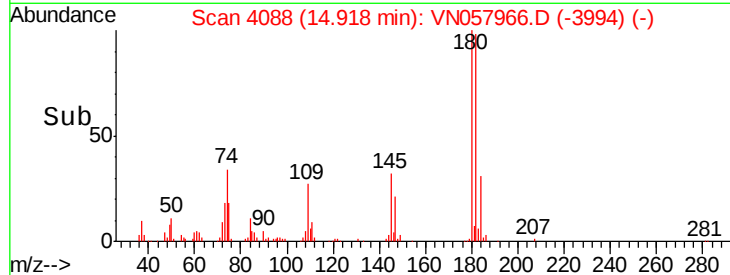
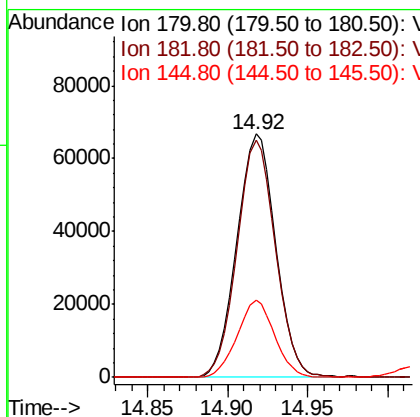
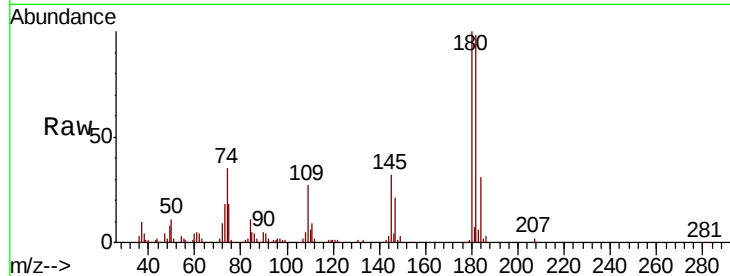




#93
 1,2,4-Trichlorobenzene
 Concen: 17.498 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

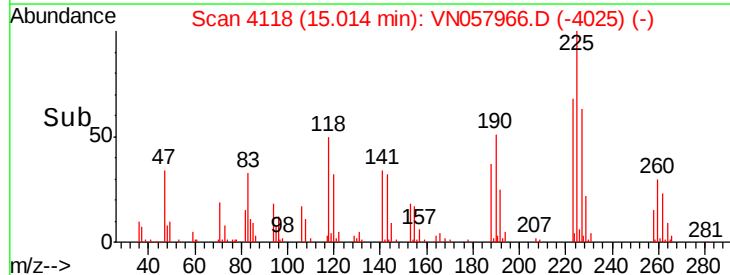
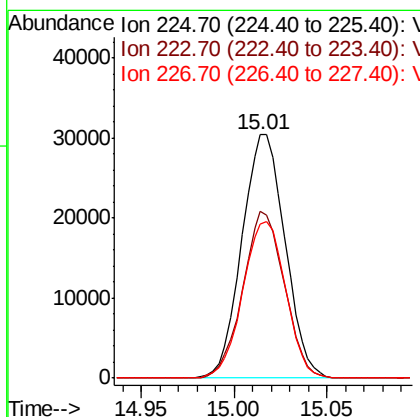
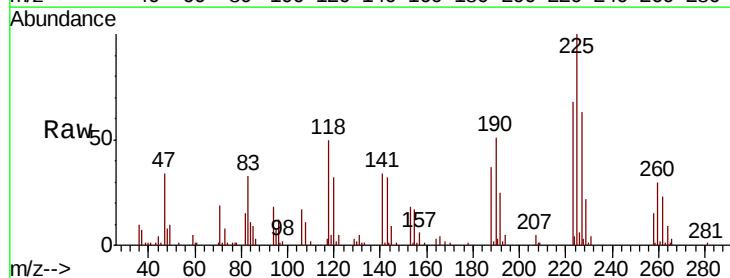
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

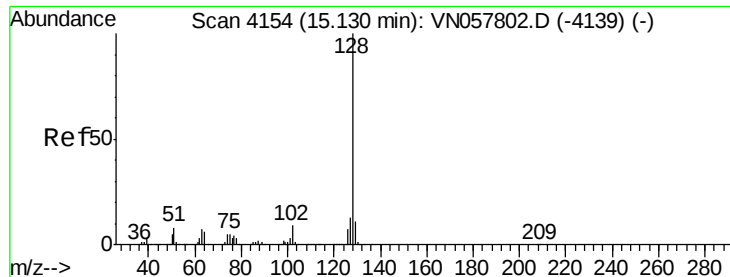
Tgt Ion:180 Resp: 110151
 Ion Ratio Lower Upper
 180 100
 182 96.3 46.9 140.8
 145 30.5 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.467 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057966.D
 Acq: 12 Sep 2019 13:26

Tgt Ion:225 Resp: 49280
 Ion Ratio Lower Upper
 225 100
 223 65.7 32.4 97.2
 227 63.7 31.8 95.4

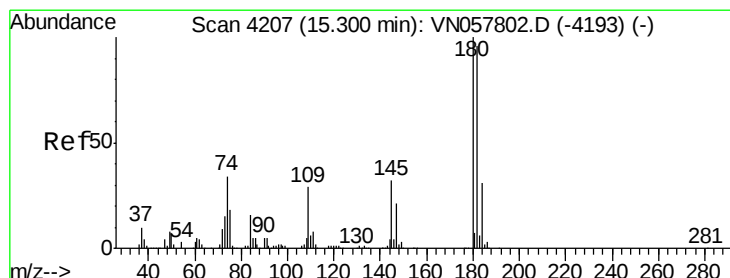
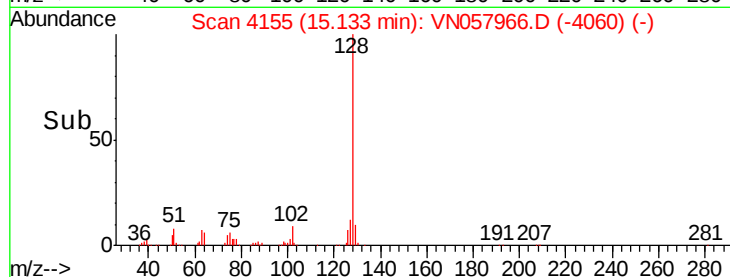
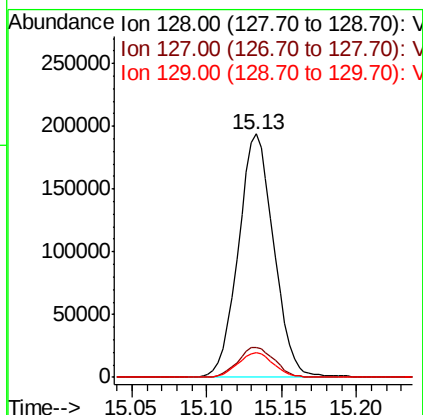
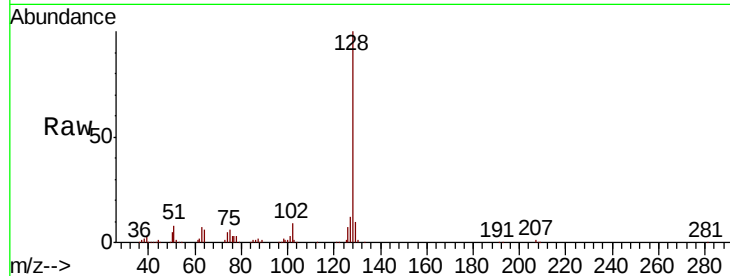




#95
Naphthalene
Concen: 19.082 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD01

Tgt Ion:128 Resp: 318703
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.820 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057966.D
Acq: 12 Sep 2019 13:26

Tgt Ion:180 Resp: 105545
Ion Ratio Lower Upper
180 100
182 96.8 48.3 144.8
145 33.0 16.3 48.8

