

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058027.D
 Acq On : 13 Sep 2019 19:23
 Operator : JC/SP
 Sample : K4859-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

Quant Time: Sep 14 03:37:49 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	322240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	524545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	283943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	338878	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.57	113	241972	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	959247	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	338738	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94897	21.294	ug/l	98
3) Chloromethane	2.04	50	77270	17.012	ug/l	99
4) Vinyl Chloride	2.17	62	78112	16.249	ug/l	97
5) Bromomethane	2.54	94	44952	15.981	ug/l	93
6) Chloroethane	2.68	64	52225	17.049	ug/l	98
7) Trichlorofluoromethane	3.00	101	114838	18.983	ug/l	94
8) Diethyl Ether	3.39	74	49749	19.717	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78642	20.607	ug/l	97
10) Methyl Iodide	3.93	142	72907	17.168	ug/l	99
11) Tert butyl alcohol	4.75	59	79299	100.386	ug/l	98
12) 1,1-Dichloroethene	3.72	96	63383	18.472	ug/l	99
13) Acrolein	3.59	56	14430	21.531	ug/l	91
14) Allyl chloride	4.30	41	124156	18.489	ug/l	97
15) Acrylonitrile	4.96	53	217274	100.070	ug/l	99
16) Acetone	3.80	43	189605	88.618	ug/l	99
17) Carbon Disulfide	4.03	76	85227	16.067	ug/l	98
18) Methyl Acetate	4.30	43	122236	21.427	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	295825	20.716	ug/l	98
20) Methylene Chloride	4.53	84	91018	21.648	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	68054	18.347	ug/l	94
22) Diisopropyl ether	5.93	45	325651	20.680	ug/l	97
23) Vinyl Acetate	5.87	43	1121375	100.480	ug/l	98
24) 1,1-Dichloroethane	5.83	63	175488	20.390	ug/l	99
25) 2-Butanone	6.82	43	296056	95.603	ug/l	98
26) 2,2-Dichloropropane	6.80	77	124421	18.268	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99129	19.942	ug/l	98
28) Bromochloromethane	7.18	49	96180	22.369	ug/l	98
29) Tetrahydrofuran	7.19	42	186770	97.877	ug/l	100
30) Chloroform	7.36	83	182508	20.282	ug/l	100
31) Cyclohexane	7.64	56	122792	19.576	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	141131	19.775	ug/l	99
36) 1,1-Dichloropropene	7.78	75	111612	18.347	ug/l	99
37) Ethyl Acetate	6.91	43	121357	19.308	ug/l	100
38) Carbon Tetrachloride	7.76	117	109230	19.667	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	119827	18.738	ug/l	96
40) Benzene	8.03	78	364944	19.926	ug/l	96
41) Methacrylonitrile	7.16	41	64232	22.513	ug/l #	86
42) 1,2-Dichloroethane	8.11	62	149782	20.449	ug/l	100
43) Isopropyl Acetate	8.15	43	217665	20.593	ug/l #	90
44) Trichloroethene	8.82	130	87081	19.385	ug/l	98
45) 1,2-Dichloropropane	9.11	63	110498	20.734	ug/l	99
46) Dibromomethane	9.20	93	65699	20.401	ug/l	98
47) Bromodichloromethane	9.40	83	128324	19.954	ug/l	96
48) Methyl methacrylate	9.19	41	100352	18.717	ug/l	98
49) 1,4-Dioxane	9.19	88	32250	355.685	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	653975	104.555	ug/l	99
52) Toluene	10.15	92	225892	19.583	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	128709	19.006	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	144443	19.319	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	101187	20.708	ug/l	98
56) Ethyl methacrylate	10.43	69	141807	19.272	ug/l	98
57) 1,3-Dichloropropane	10.71	76	173577	20.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	317229	91.535	ug/l	100
59) 2-Hexanone	10.75	43	462206	98.589	ug/l	100
60) Dibromochloromethane	10.90	129	86219	19.002	ug/l	98
61) 1,2-Dibromoethane	11.00	107	90232	19.533	ug/l	99
64) Tetrachloroethene	10.63	164	70677	19.615	ug/l	98
65) Chlorobenzene	11.43	112	256096	20.053	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89425	20.179	ug/l	98
67) Ethyl Benzene	11.51	91	464691	20.762	ug/l	100
68) m/p-Xylenes	11.62	106	336325	41.023	ug/l	100
69) o-Xylene	11.95	106	167015	20.491	ug/l	100
70) Styrene	11.97	104	290037	20.677	ug/l	100
71) Bromoform	12.13	173	50083	18.127	ug/l #	98
73) Isopropylbenzene	12.25	105	466328	21.165	ug/l	99
74) N-amyl acetate	12.07	43	196793	20.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	145295	19.585	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	171203	26.654	ug/l #	100
77) Bromobenzene	12.53	156	108866	19.818	ug/l	97
78) n-propylbenzene	12.59	91	540949	21.381	ug/l	100
79) 2-Chlorotoluene	12.68	91	323209	20.212	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	392835	21.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28336	15.524	ug/l #	83
82) 4-Chlorotoluene	12.78	91	333865	20.331	ug/l	100
83) tert-Butylbenzene	13.00	119	341357	20.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	397332	21.000	ug/l	99
85) sec-Butylbenzene	13.18	105	460815	21.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	409045	21.166	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	204775	20.309	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	201243	19.663	ug/l	99
89) n-Butylbenzene	13.62	91	367019	20.110	ug/l	100
90) Hexachloroethane	13.88	117	54450	18.945	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	202903	20.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23184	18.924	ug/l	98

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QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

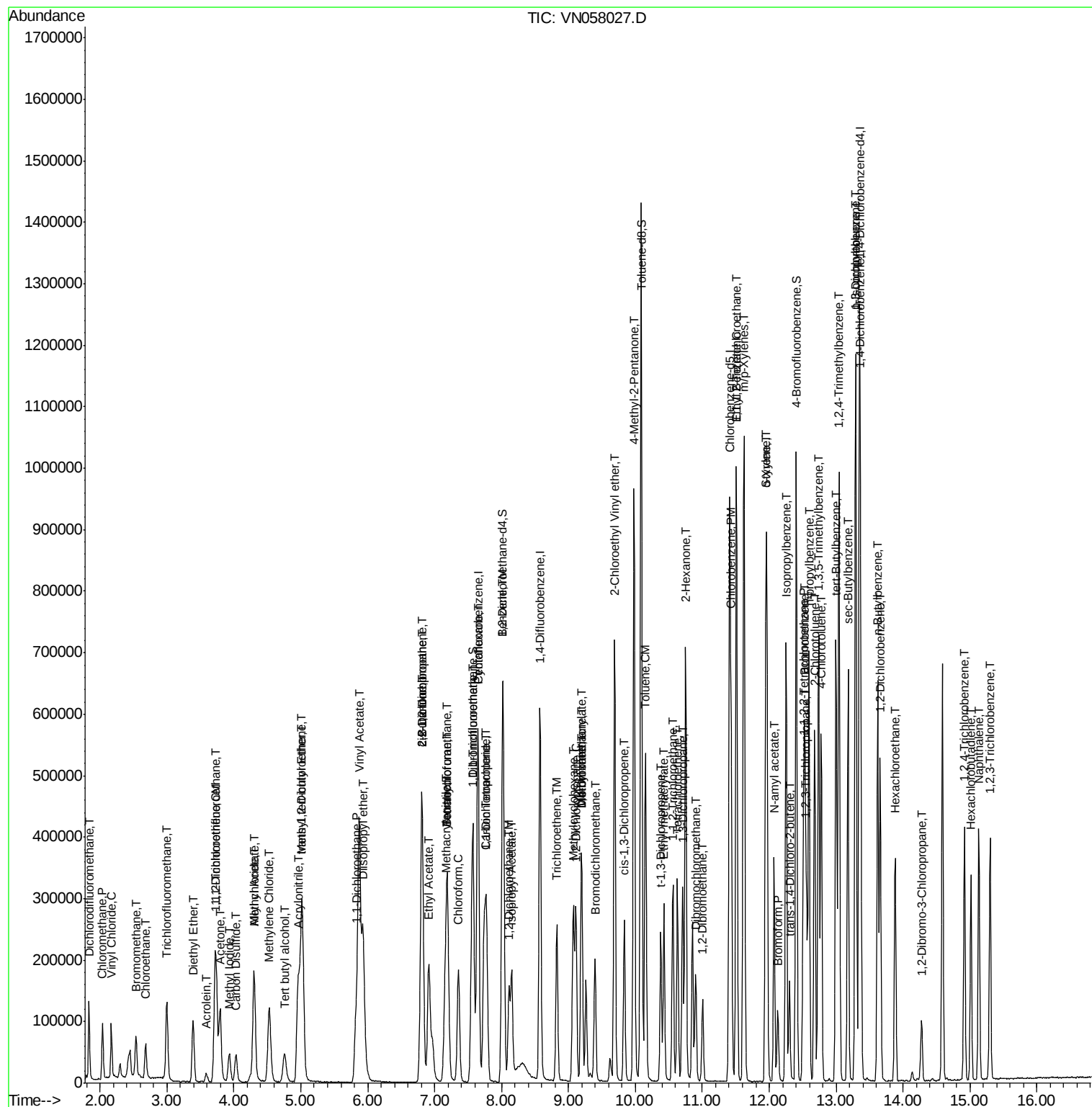
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	120101	18.241	ug/l	98
94) Hexachlorobutadiene	15.01	225	56082	20.094	ug/l	97
95) Naphthalene	15.13	128	324270	18.519	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	110166	19.782	ug/l	99

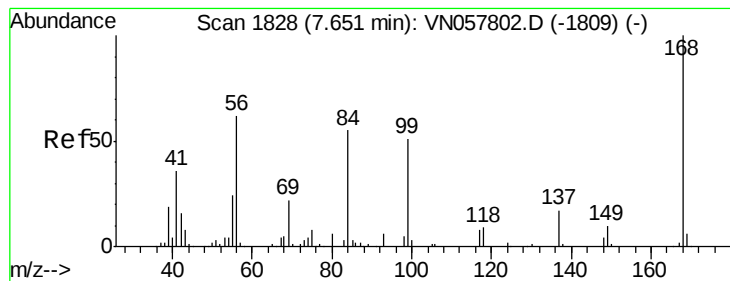
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

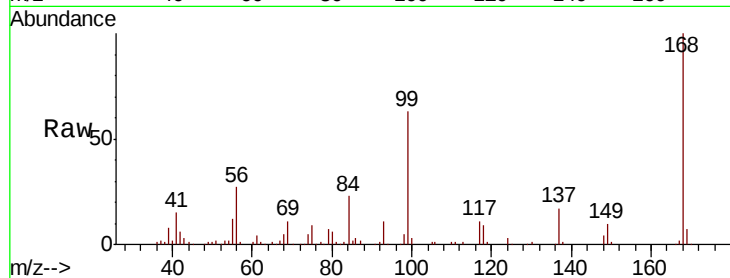
VN0914WBSD03

Tgt Ion:168 Resp: 322240

Ion Ratio Lower Upper

168 100

99 62.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

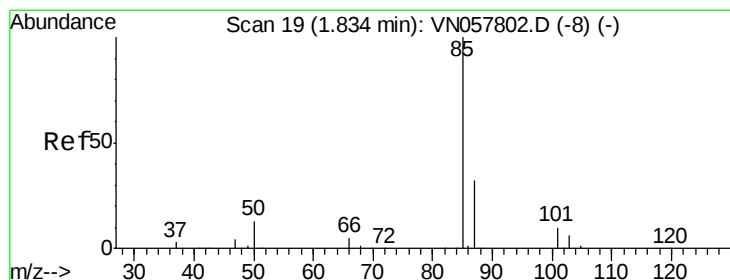
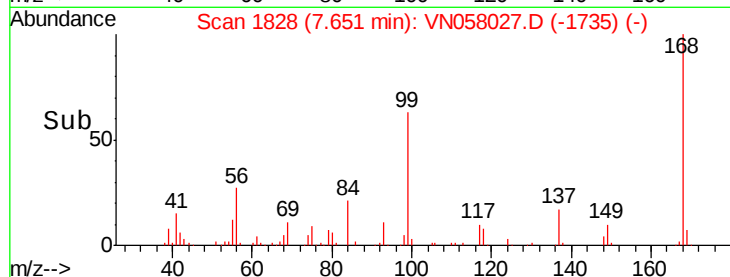
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.294 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058027.D

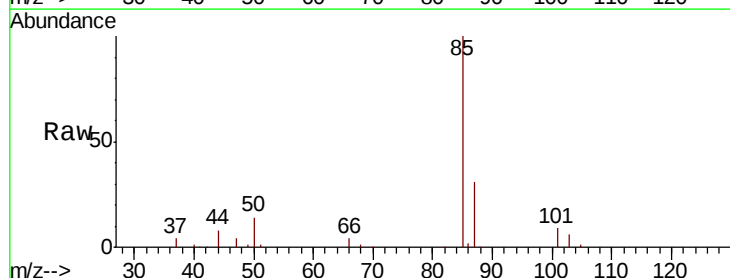
Acq: 13 Sep 2019 19:23

Tgt Ion: 85 Resp: 94897

Ion Ratio Lower Upper

85 100

87 30.6 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

80000

60000

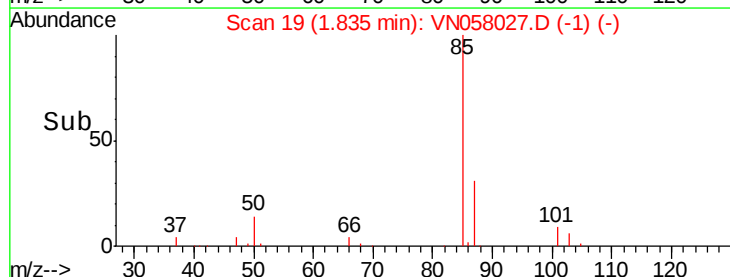
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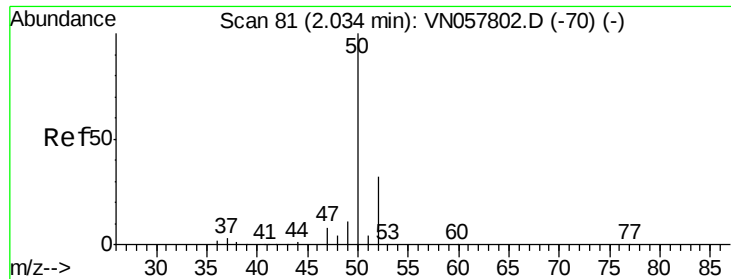
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.012 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

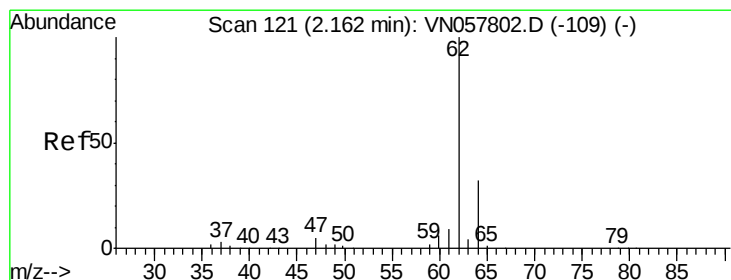
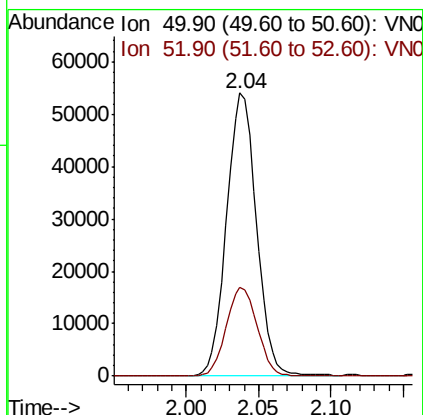
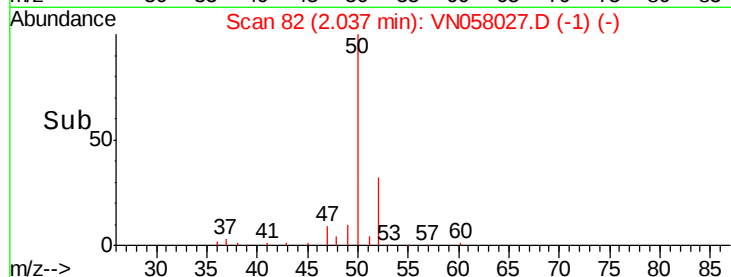
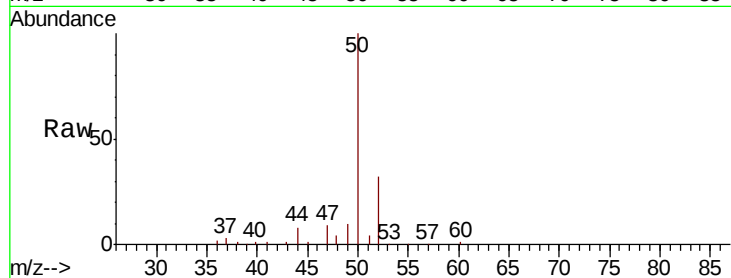
VN0914WBSD03

Tgt Ion: 50 Resp: 77270

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



#4

Vinyl Chloride

Concen: 16.249 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058027.D

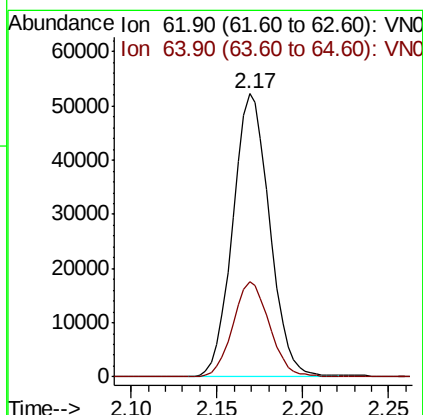
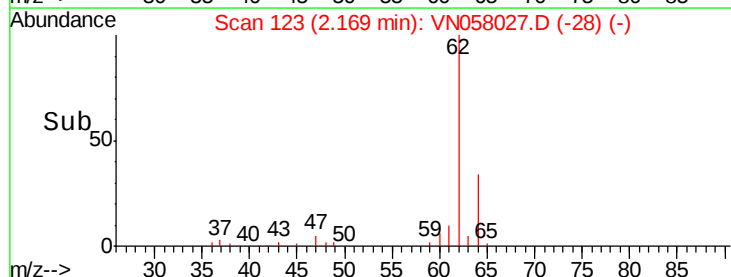
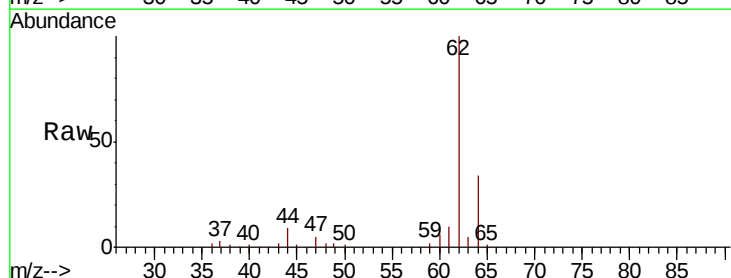
Acq: 13 Sep 2019 19:23

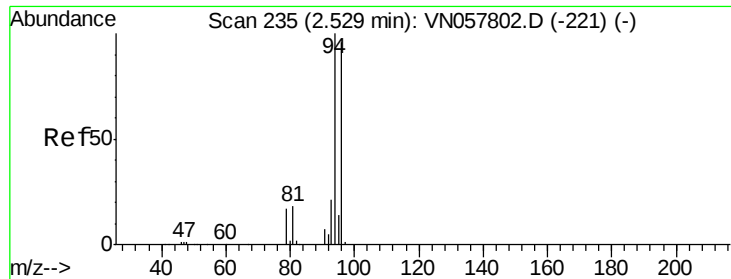
Tgt Ion: 62 Resp: 78112

Ion Ratio Lower Upper

62 100

64 33.6 25.6 38.4

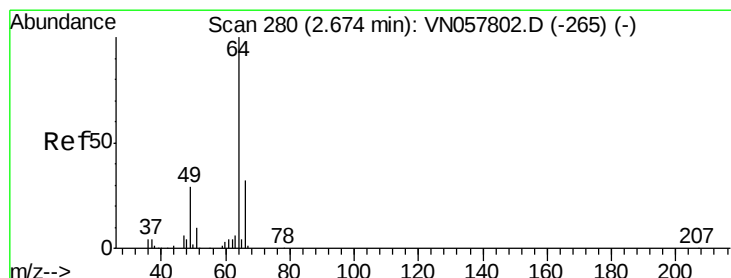
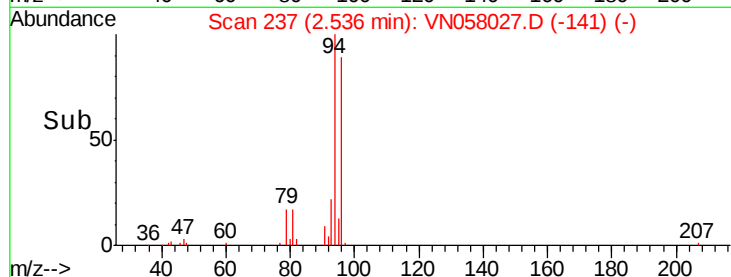
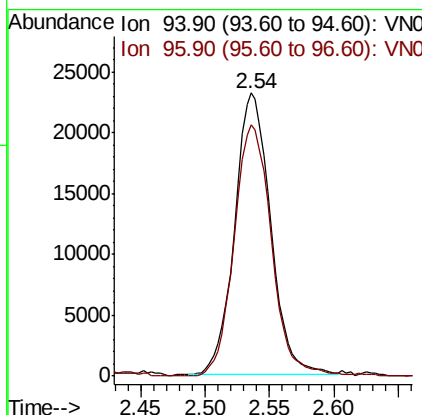
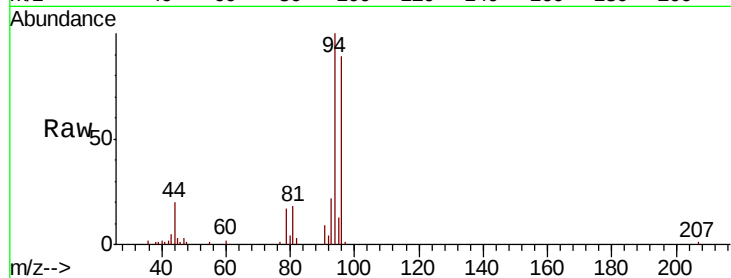




#5
 Bromomethane
 Concen: 15.981 ug/l
 RT: 2.54 min Scan# 237
 Delta R.T. 0.01 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

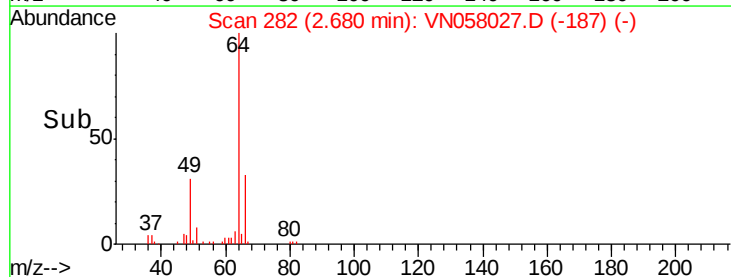
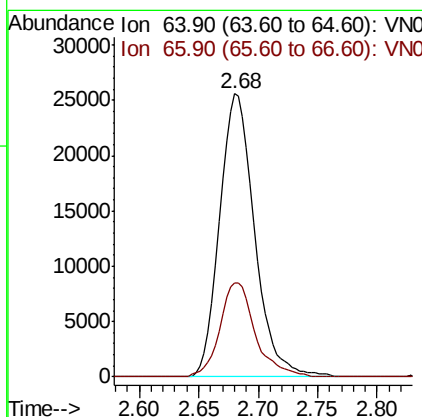
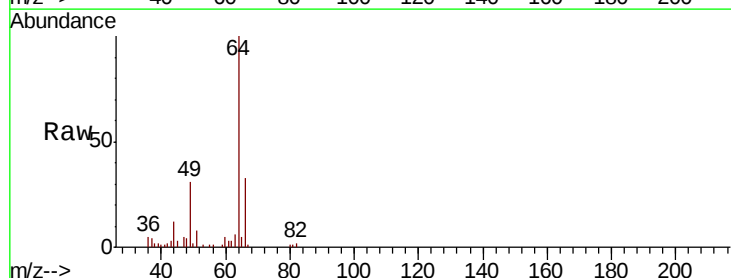
Instrument :
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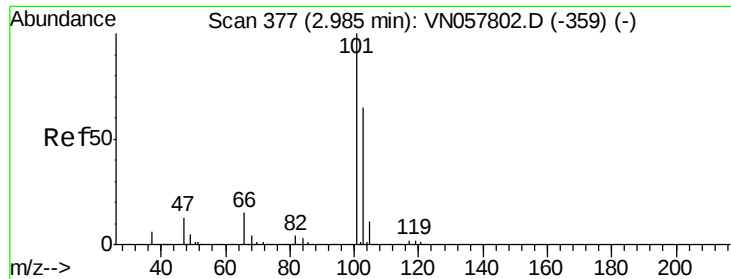
Tgt Ion: 94 Resp: 44952
 Ion Ratio Lower Upper
 94 100
 96 89.4 77.0 115.4



#6
 Chloroethane
 Concen: 17.049 ug/l
 RT: 2.68 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 64 Resp: 52225
 Ion Ratio Lower Upper
 64 100
 66 33.0 25.5 38.3



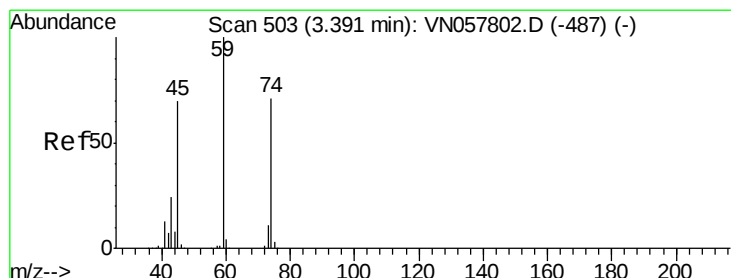
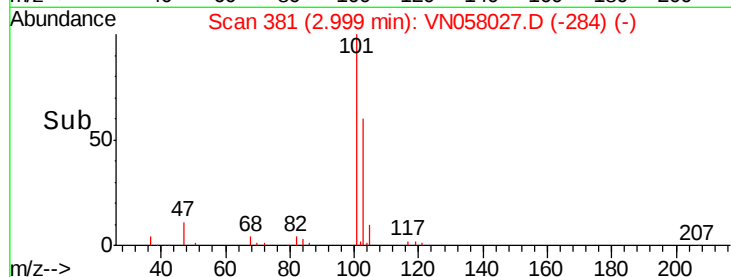
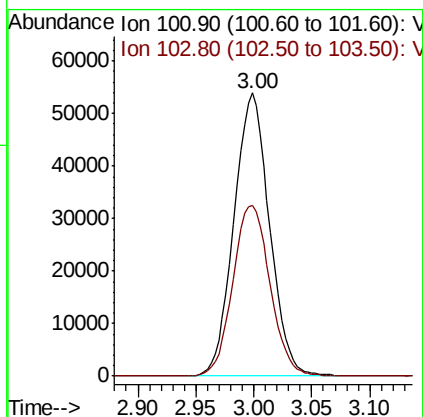
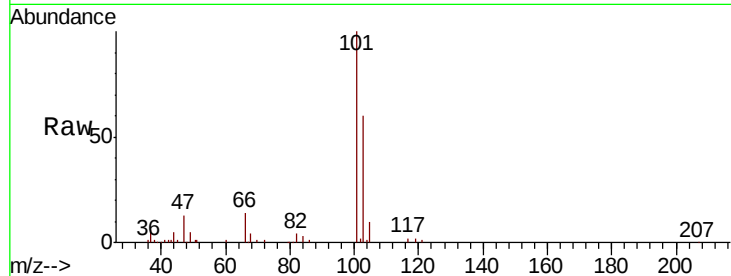


#7

Trichlorofluoromethane
 Concen: 18.983 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Instrument :
 MSVOA_N
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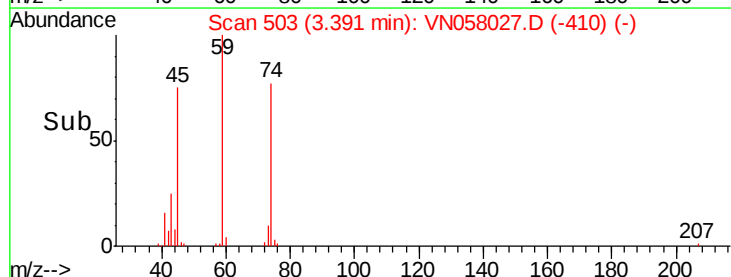
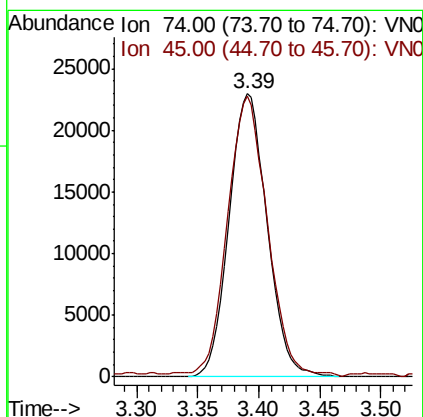
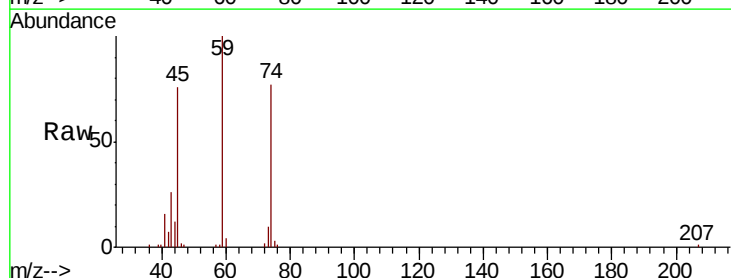
Tgt Ion: 101 Resp: 114838
 Ion Ratio Lower Upper
 101 100
 103 60.4 51.9 77.9

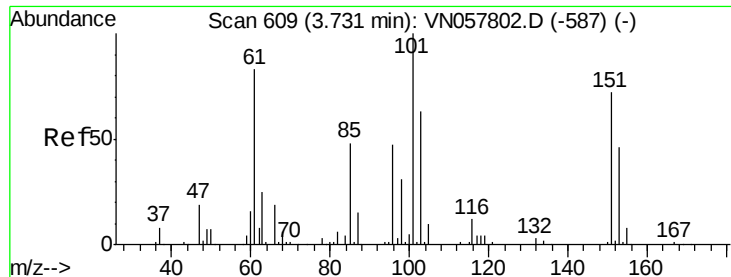


#8

Diethyl Ether
 Concen: 19.717 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 74 Resp: 49749
 Ion Ratio Lower Upper
 74 100
 45 104.8 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.607 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

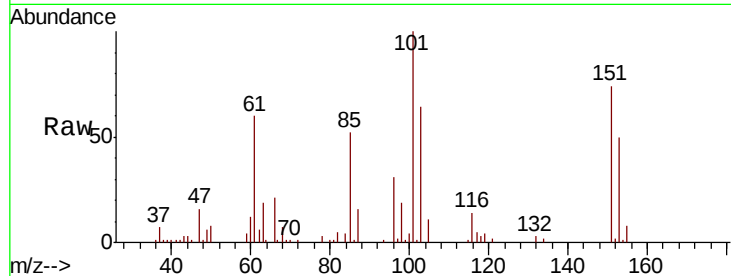
Tgt Ion:101 Resp: 78642

Ion Ratio Lower Upper

101 100

85 50.0 38.1 57.1

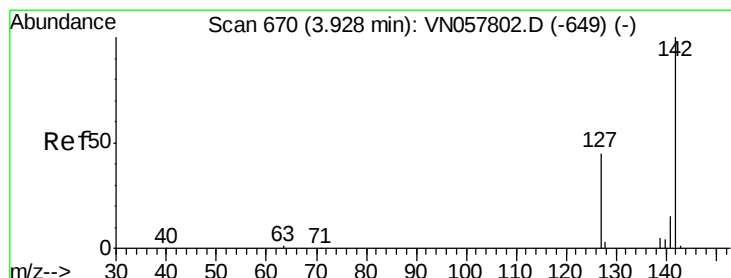
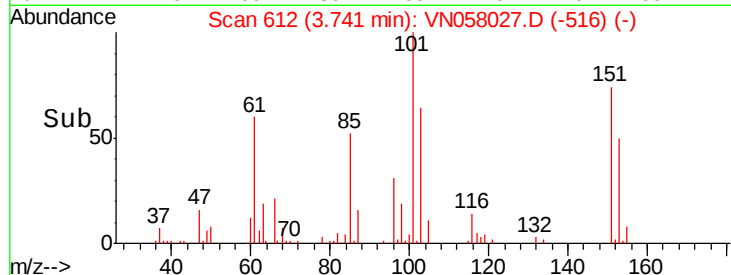
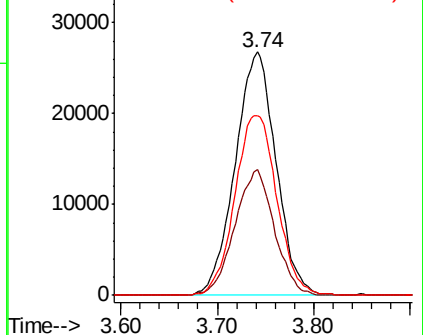
151 75.9 58.4 87.6



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: 17.168 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

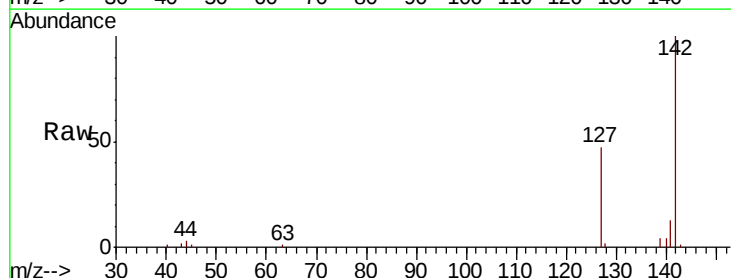
Tgt Ion:142 Resp: 72907

Ion Ratio Lower Upper

142 100

127 45.2 36.7 55.1

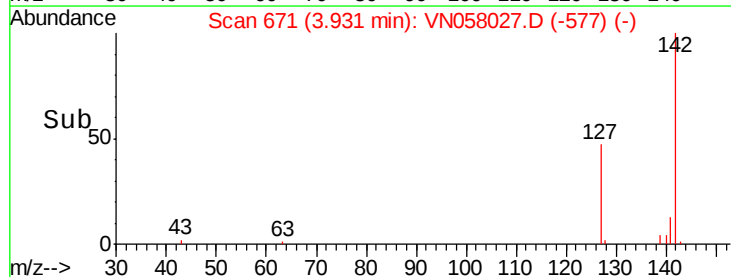
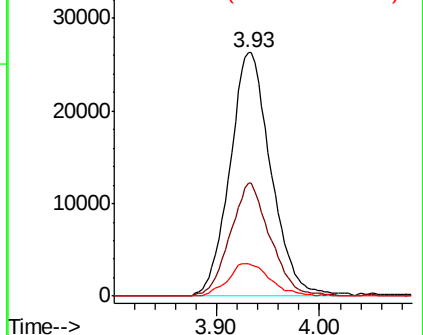
141 13.8 11.4 17.0

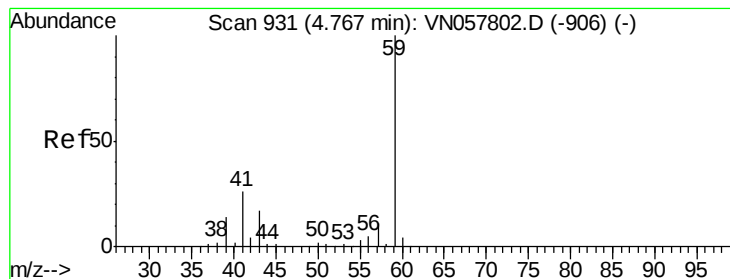


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



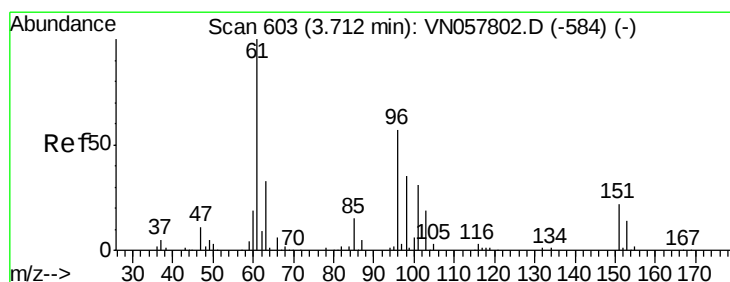
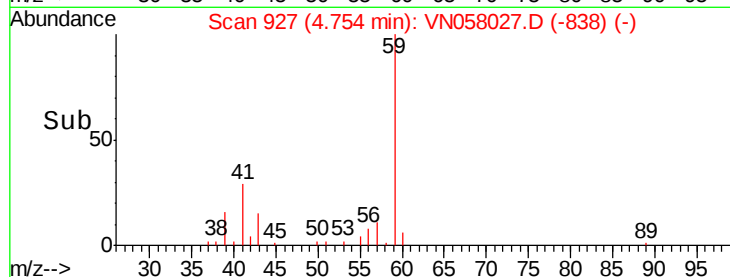
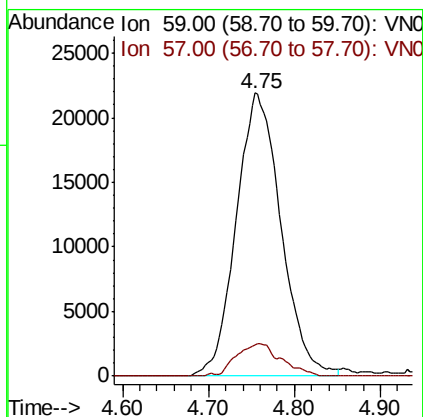
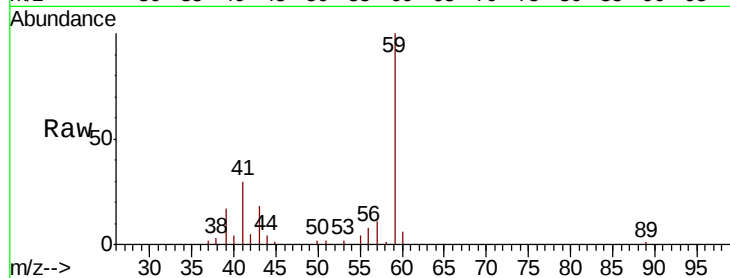


#11

Tert butyl alcohol
 Concen: 100.386 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

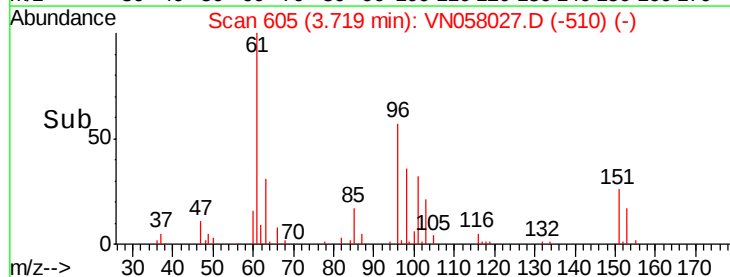
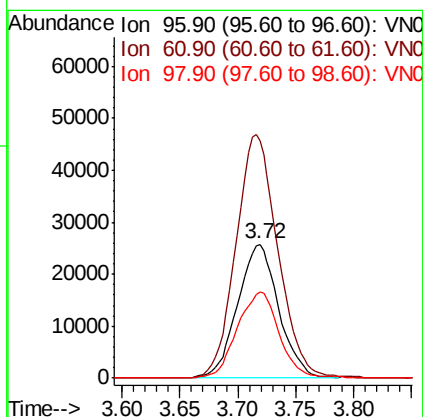
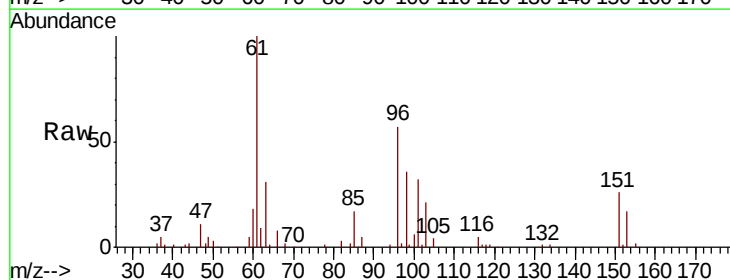
Tgt Ion: 59 Resp: 79299
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.4 12.6

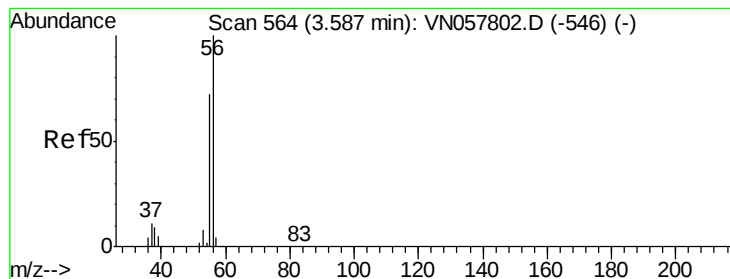


#12

1,1-Dichloroethene
 Concen: 18.472 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 96 Resp: 63383
 Ion Ratio Lower Upper
 96 100
 61 176.9 141.2 211.8
 98 64.5 49.9 74.9





#13

Acrolein

Concen: 21.531 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

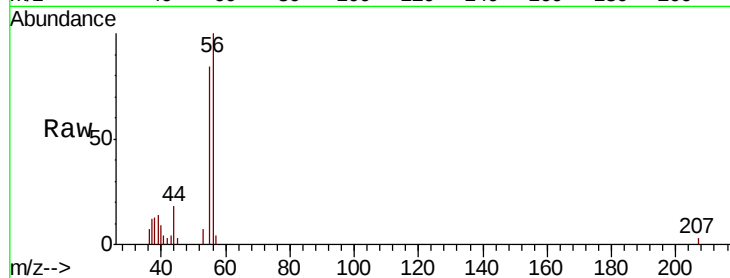
VN0914WBSD03

Tgt Ion: 56 Resp: 14430

Ion Ratio Lower Upper

56 100

55 79.3 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

6000

5000

4000

3000

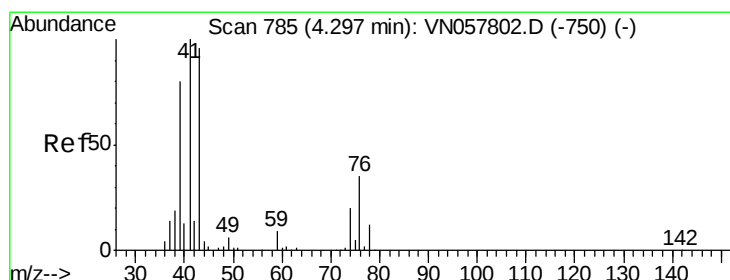
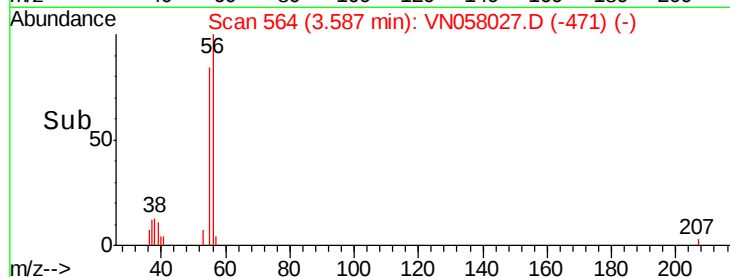
2000

1000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 18.489 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

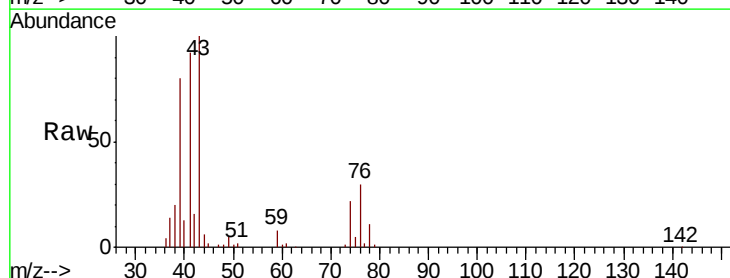
Tgt Ion: 41 Resp: 124156

Ion Ratio Lower Upper

41 100

39 75.5 59.4 89.2

76 29.7 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

50000

40000

30000

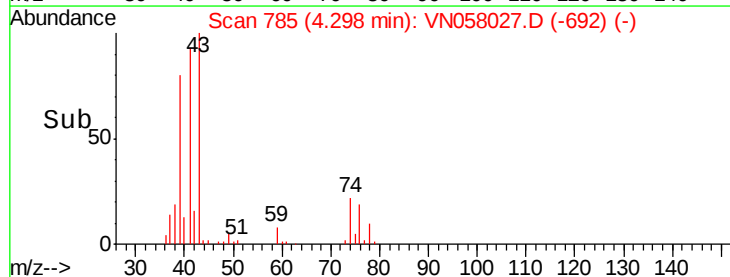
20000

10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 100.070 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

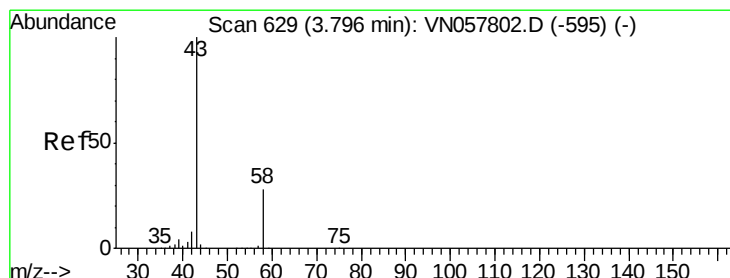
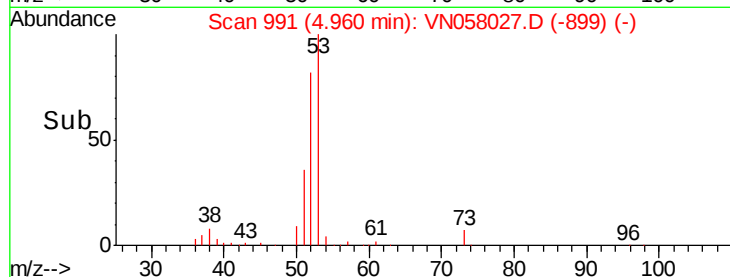
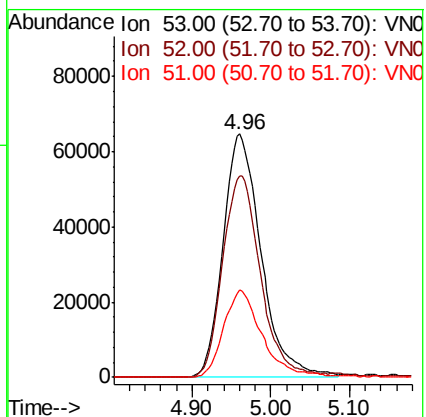
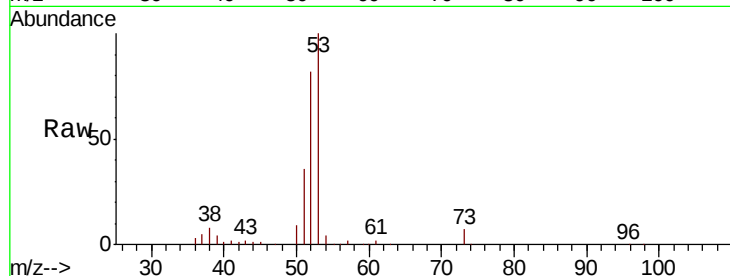
Tgt Ion: 53 Resp: 217274

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

51 36.4 29.8 44.8



#16

Acetone

Concen: 88.618 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058027.D

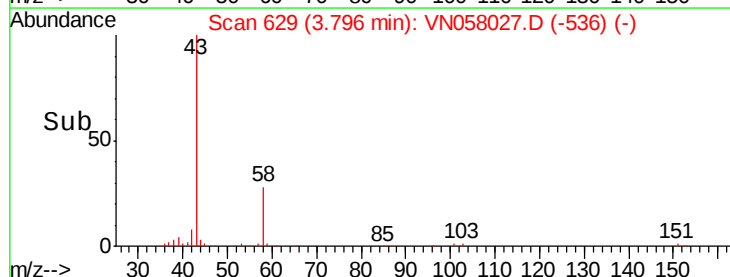
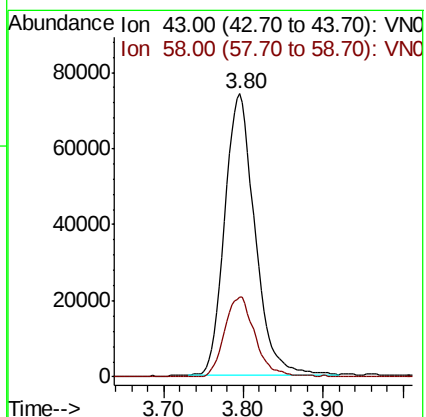
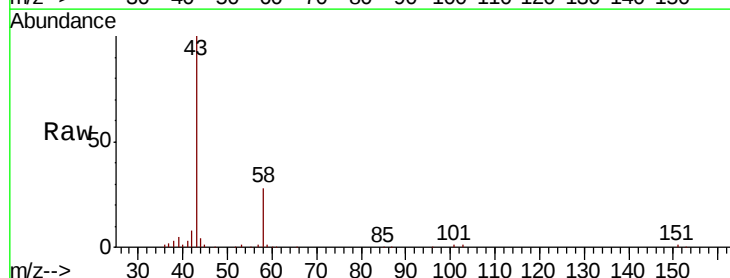
Acq: 13 Sep 2019 19:23

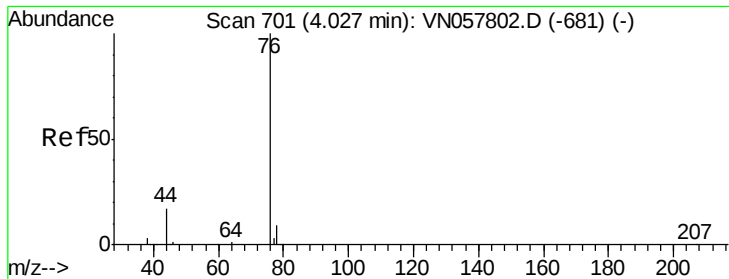
Tgt Ion: 43 Resp: 189605

Ion Ratio Lower Upper

43 100

58 28.3 22.2 33.2

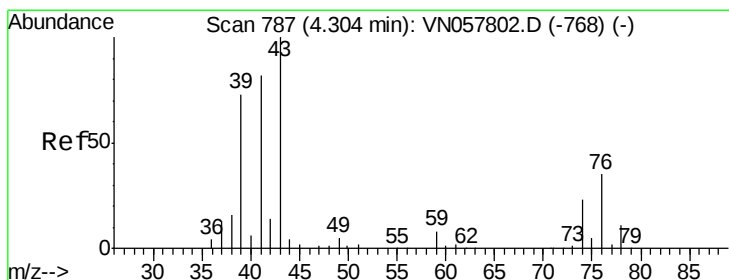
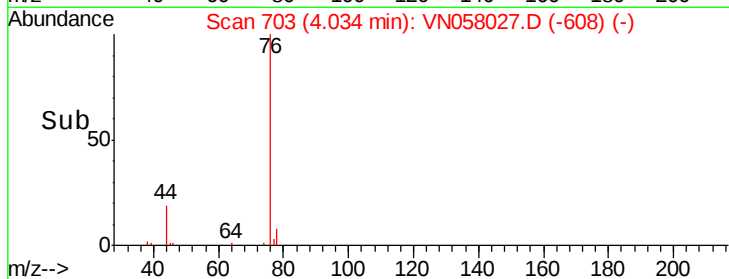
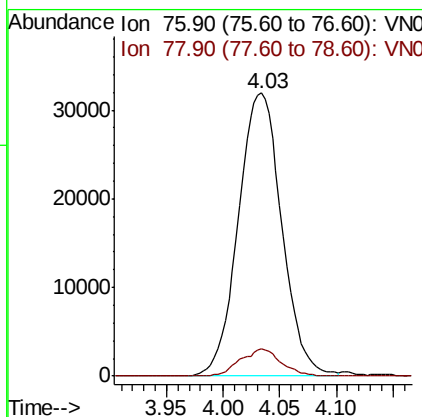
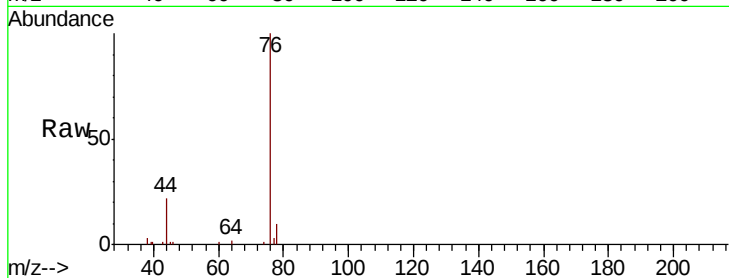




#17
Carbon Disulfide
Concen: 16.067 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

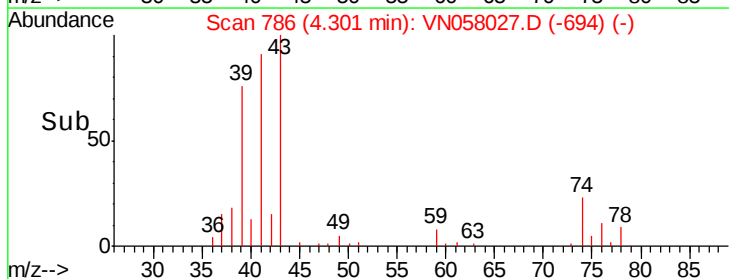
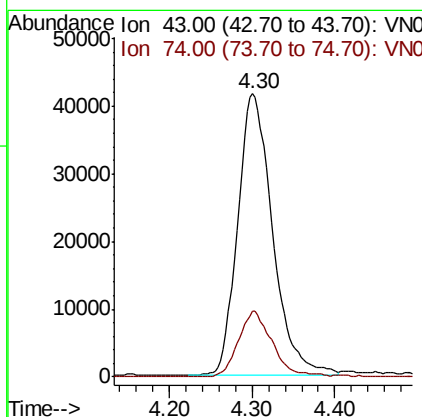
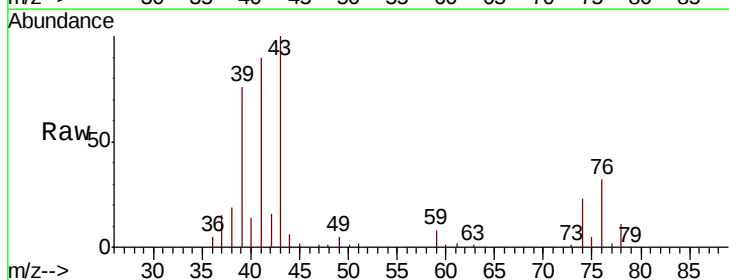
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

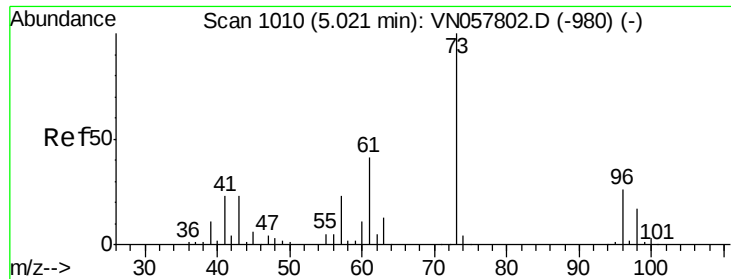
Tgt Ion: 76 Resp: 85227
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



#18
Methyl Acetate
Concen: 21.427 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 43 Resp: 122236
Ion Ratio Lower Upper
43 100
74 22.3 17.9 26.9

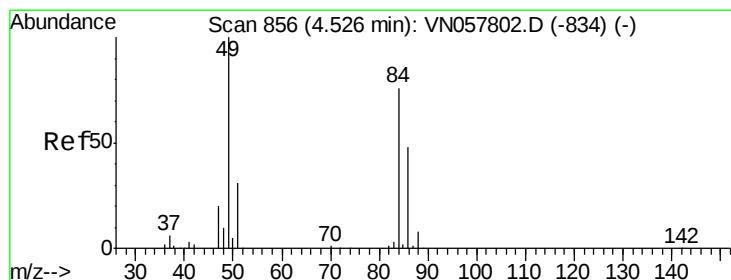
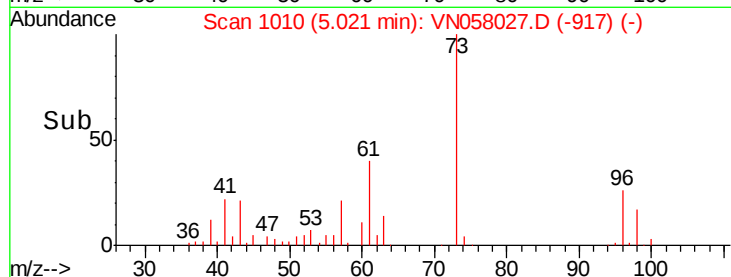
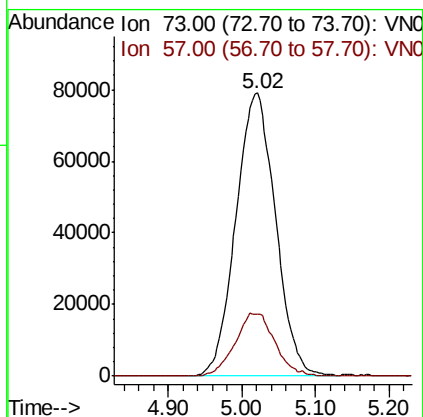
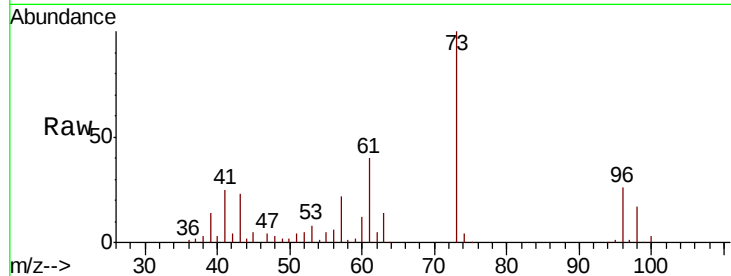




#19
Methyl tert-butyl Ether
Concen: 20.716 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

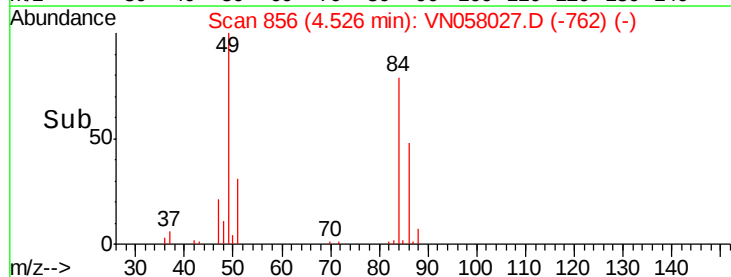
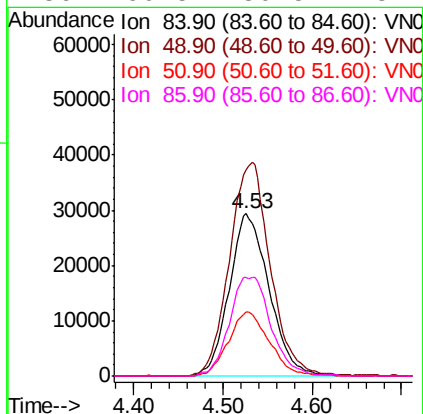
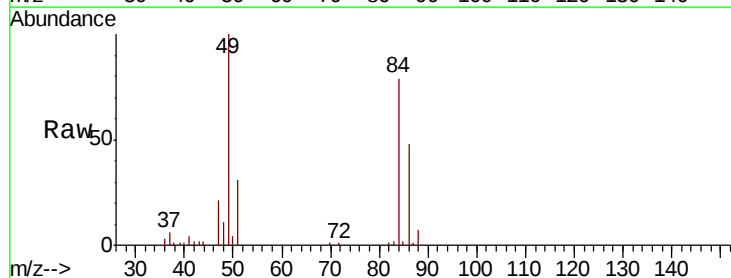
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

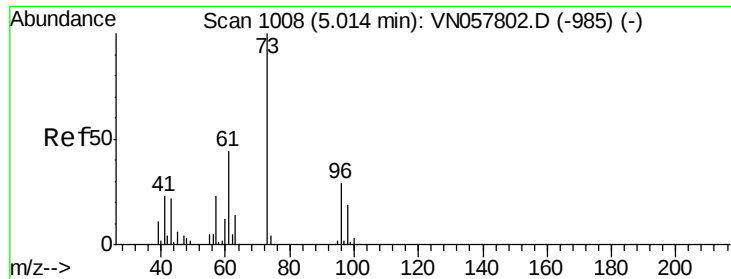
Tgt Ion: 73 Resp: 295825
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2



#20
Methylene Chloride
Concen: 21.648 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 84 Resp: 91018
Ion Ratio Lower Upper
84 100
49 127.1 104.8 157.2
51 39.8 33.0 49.4
86 60.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.347 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

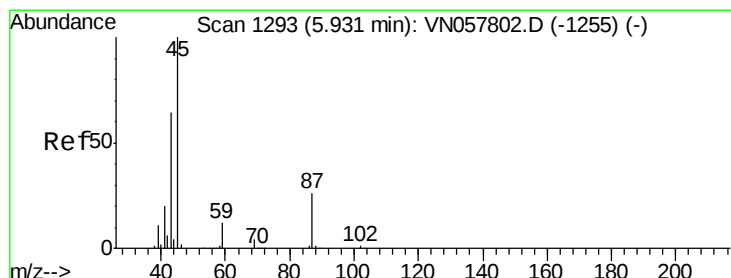
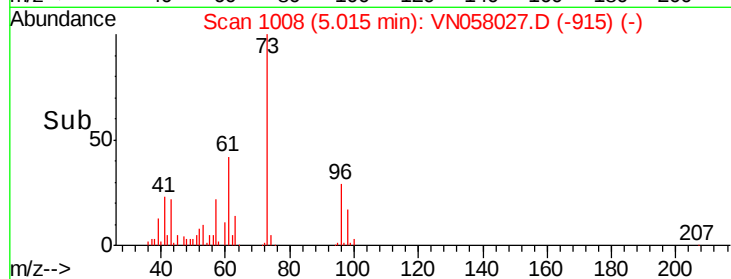
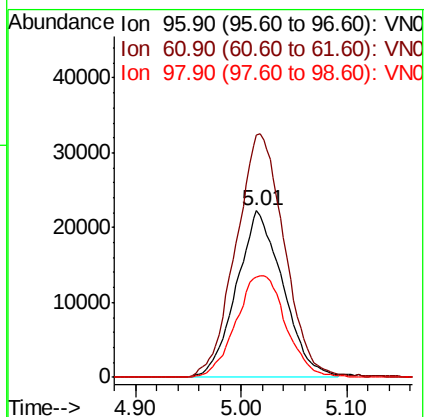
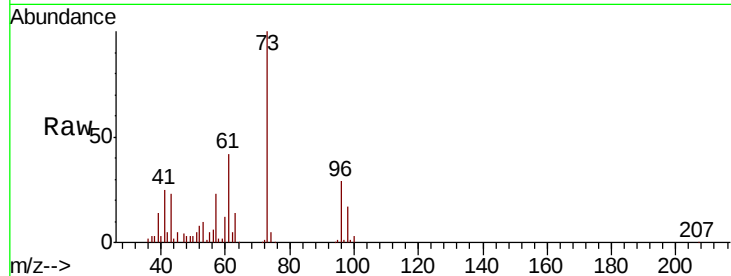
Tgt Ion: 96 Resp: 68054

Ion Ratio Lower Upper

96 100

61 145.7 121.9 182.9

98 59.9 52.2 78.4



#22

Diisopropyl ether

Concen: 20.680 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Tgt Ion: 45 Resp: 325651

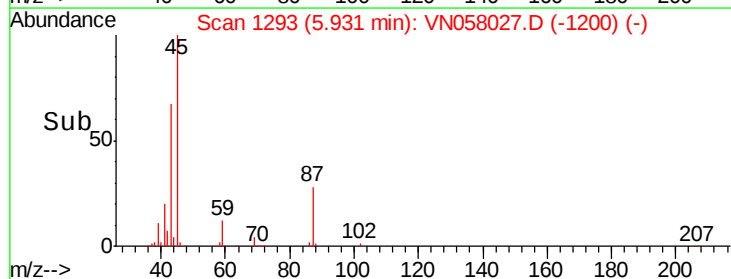
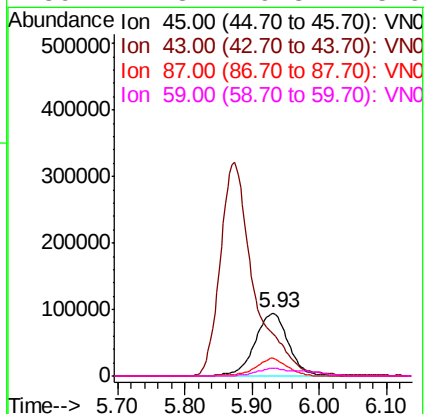
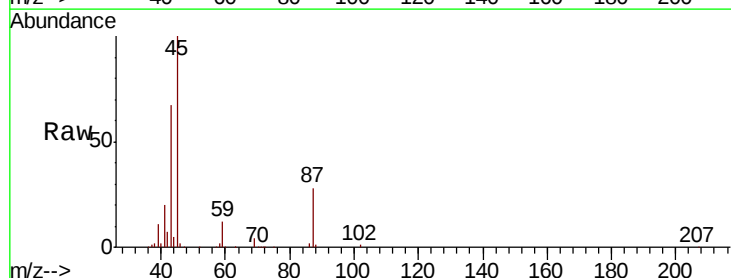
Ion Ratio Lower Upper

45 100

43 67.2 51.4 77.2

87 27.6 21.3 31.9

59 11.3 9.3 13.9

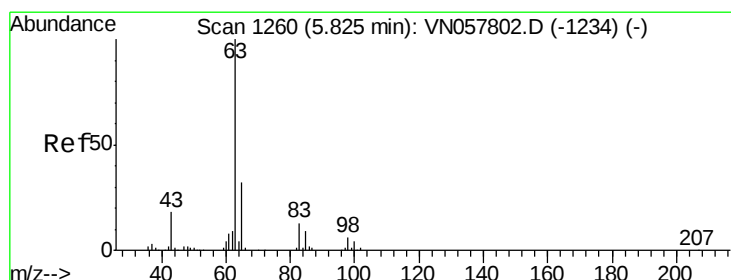
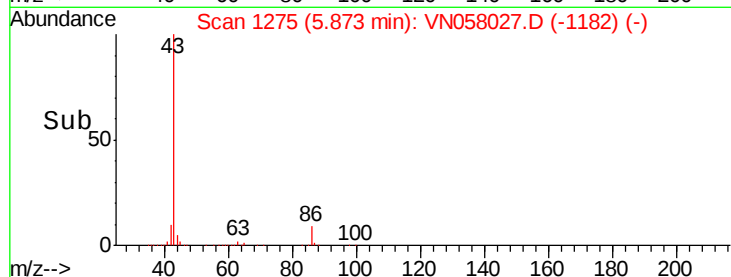
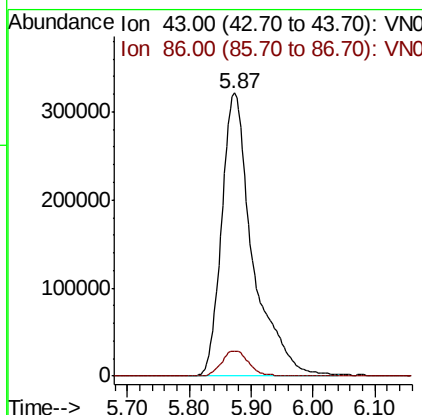
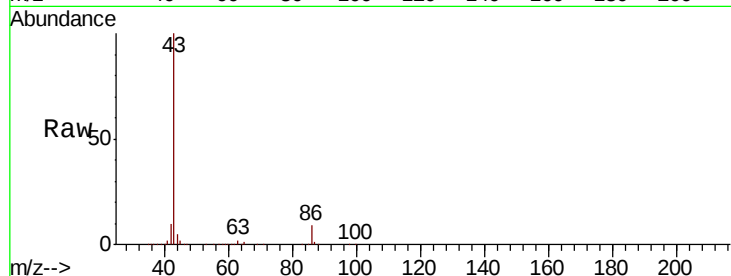




#23
 Vinyl Acetate
 Concen: 100.480 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

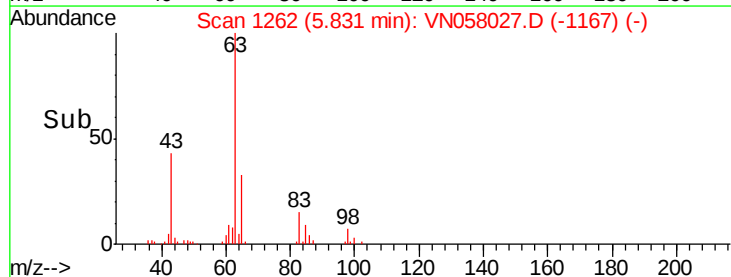
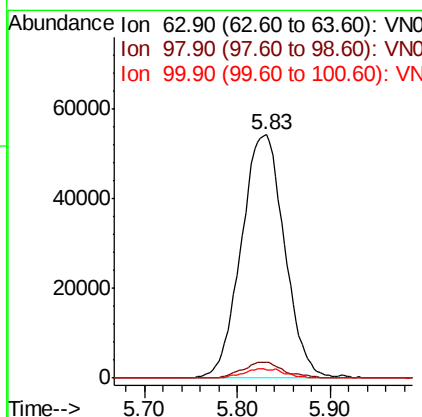
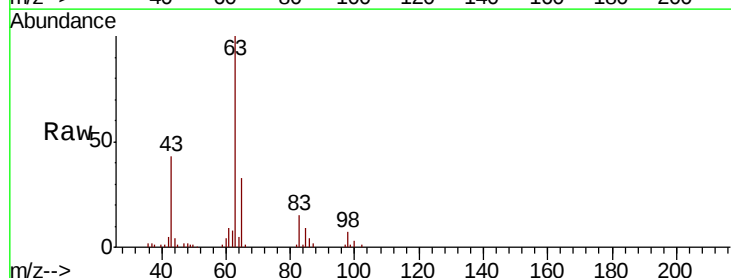
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

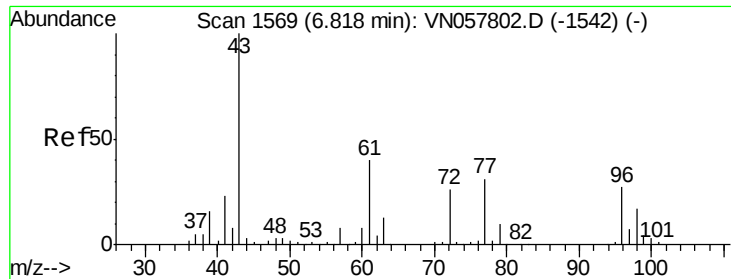
Tgt Ion: 43 Resp: 1121375
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.390 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 63 Resp: 175488
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 3.5 2.0 5.8





#25

2-Butanone

Concen: 95.603 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

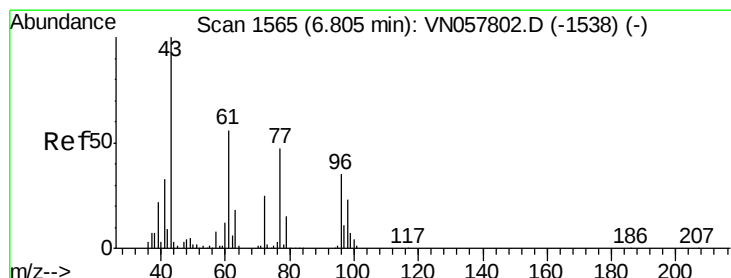
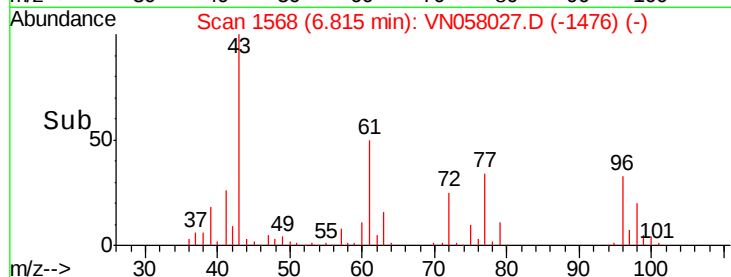
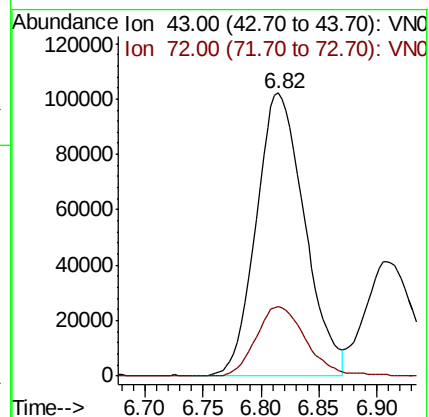
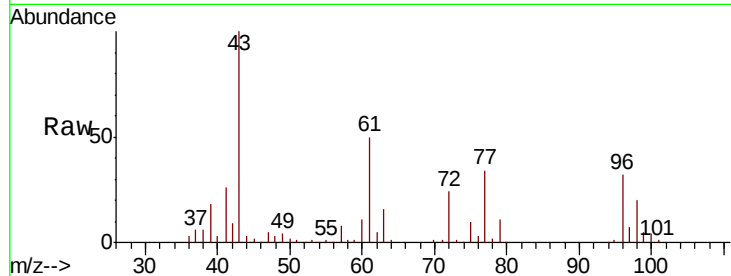
VN0914WBSD03

Tgt Ion: 43 Resp: 296056

Ion Ratio Lower Upper

43 100

72 24.5 20.6 30.8



#26

2,2-Dichloropropane

Concen: 18.268 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058027.D

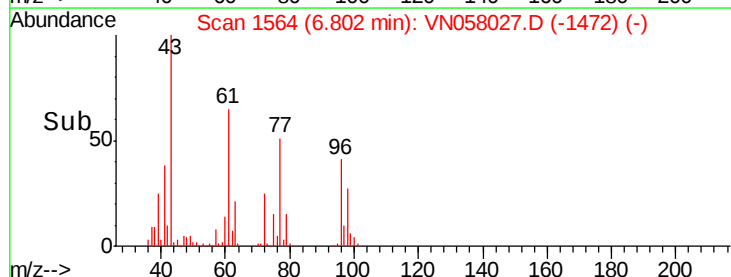
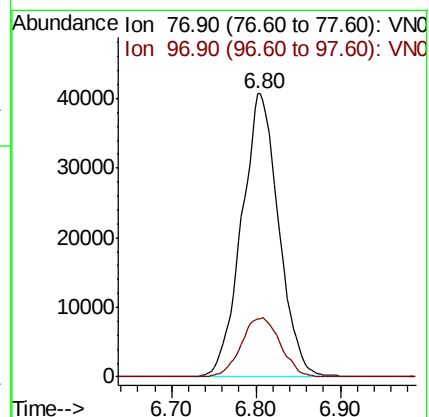
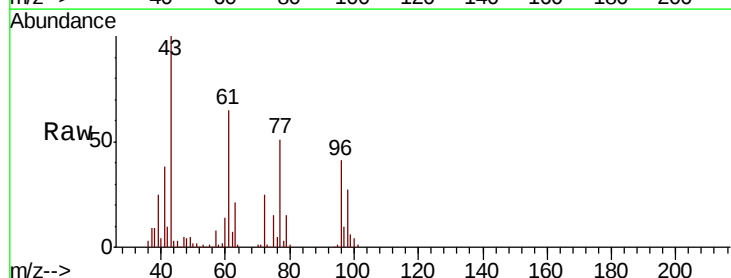
Acq: 13 Sep 2019 19:23

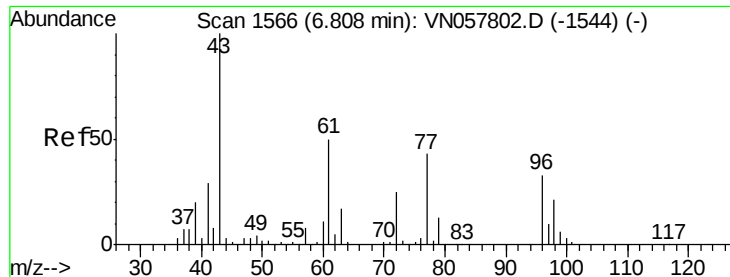
Tgt Ion: 77 Resp: 124421

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.942 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

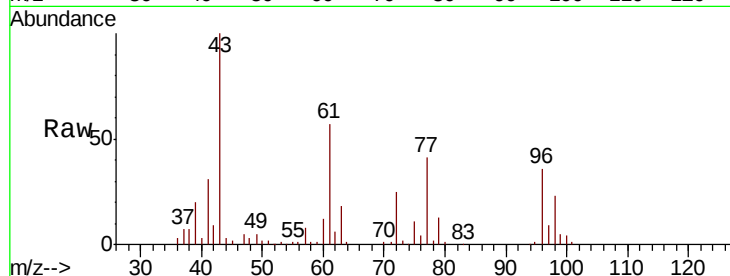
Tgt Ion: 96 Resp: 99129

Ion Ratio Lower Upper

96 100

61 159.2 0.0 314.0

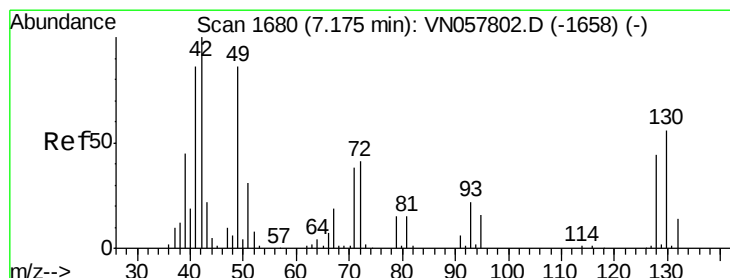
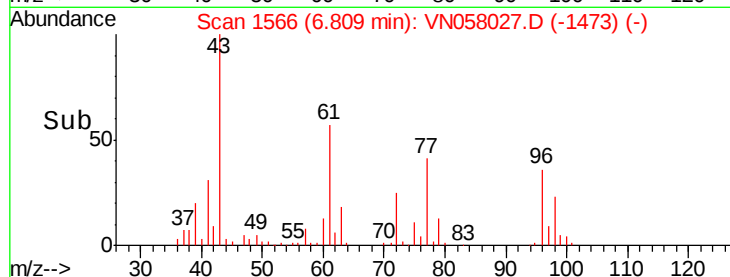
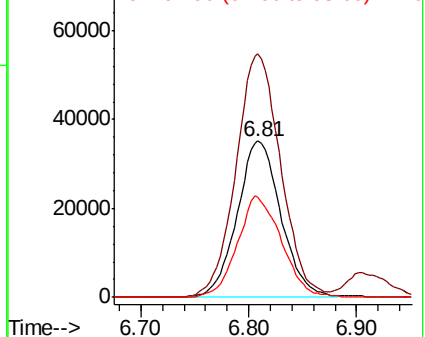
98 65.3 0.0 128.6



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: 22.369 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

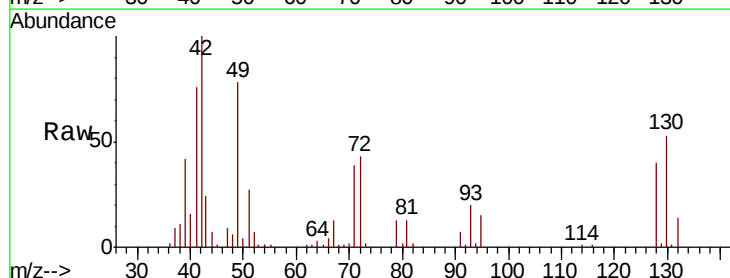
Tgt Ion: 49 Resp: 96180

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

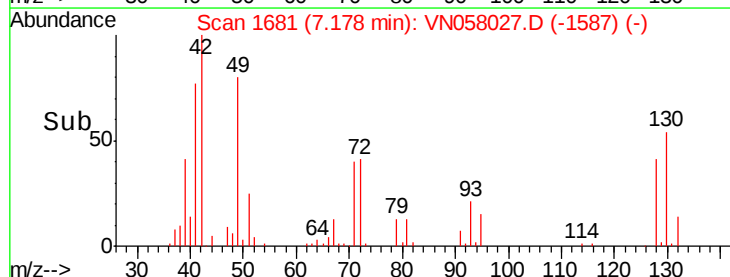
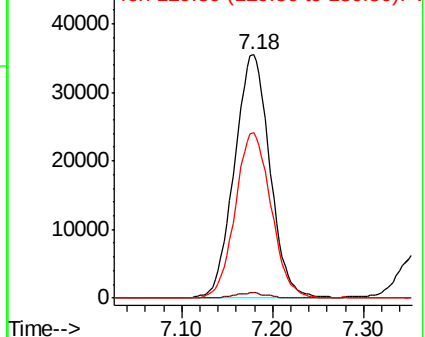
130 68.3 53.0 79.6

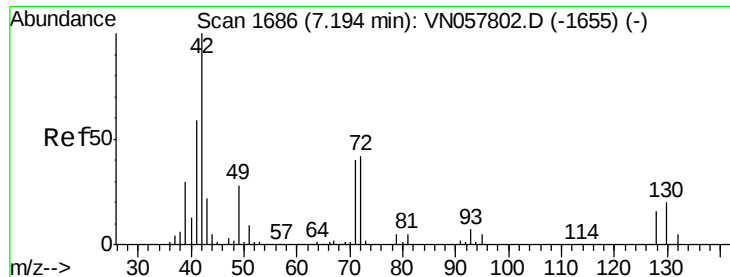


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.877 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

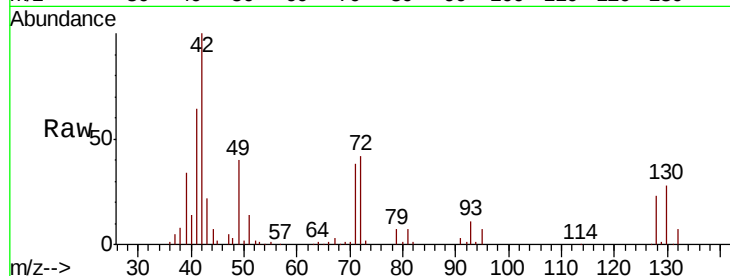
Tgt Ion: 42 Resp: 186770

Ion Ratio Lower Upper

42 100

72 41.8 33.7 50.5

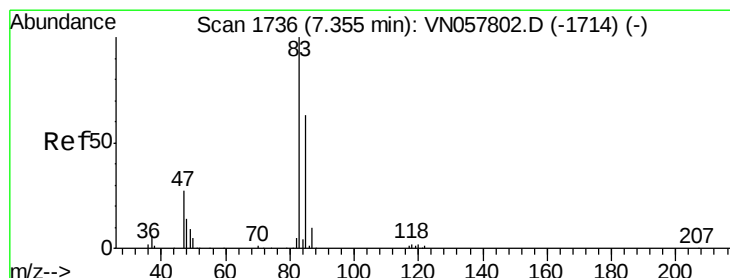
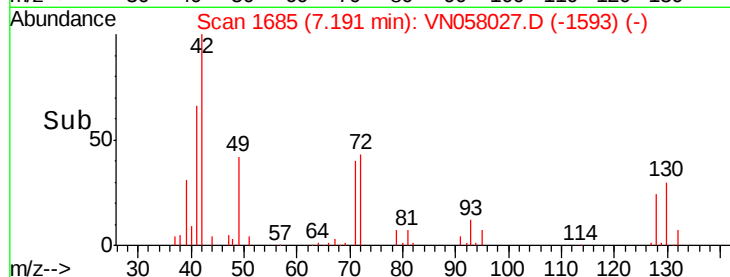
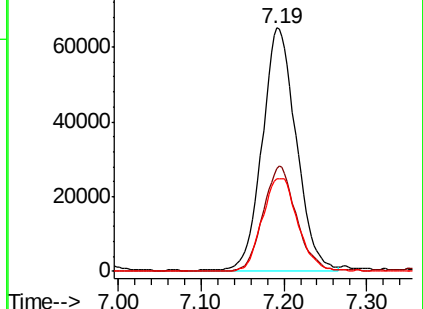
71 39.6 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.282 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058027.D

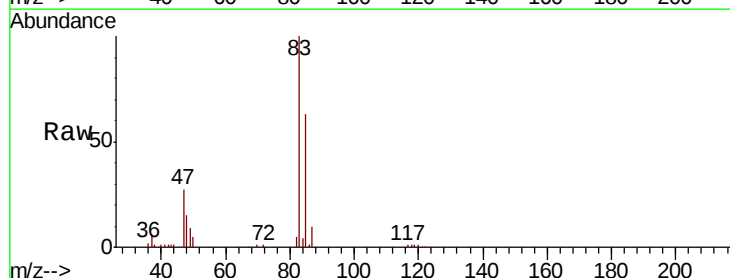
Acq: 13 Sep 2019 19:23

Tgt Ion: 83 Resp: 182508

Ion Ratio Lower Upper

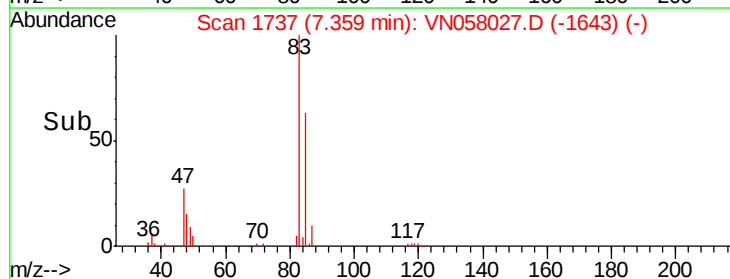
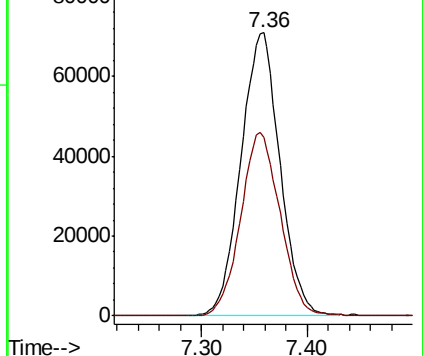
83 100

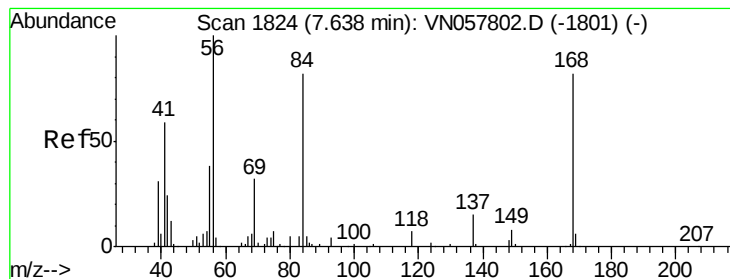
85 63.1 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.576 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

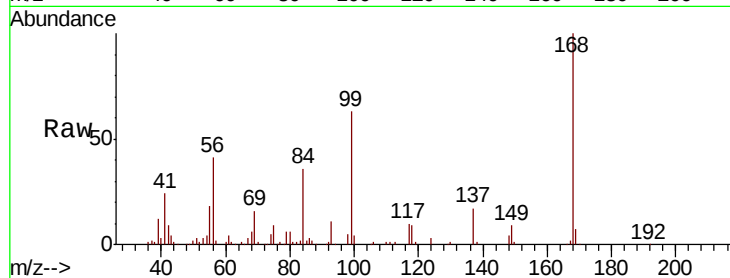
Tgt Ion: 56 Resp: 122792

Ion Ratio Lower Upper

56 100

69 38.7 25.9 38.9

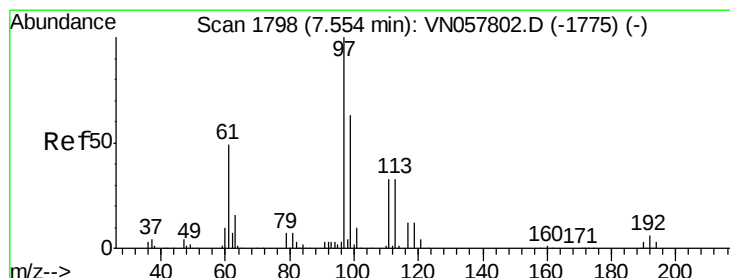
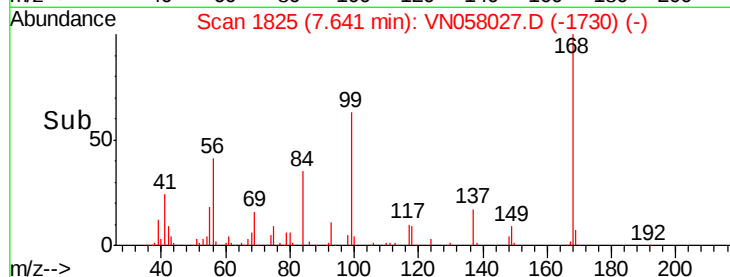
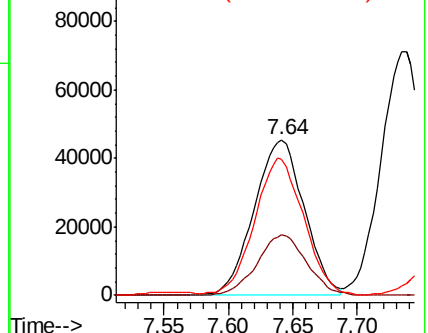
84 86.4 65.6 98.4



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: 19.775 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

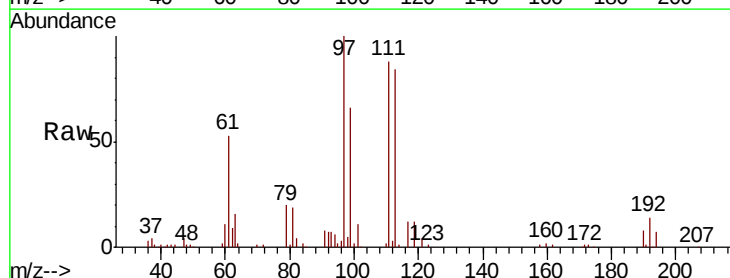
Tgt Ion: 97 Resp: 141131

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

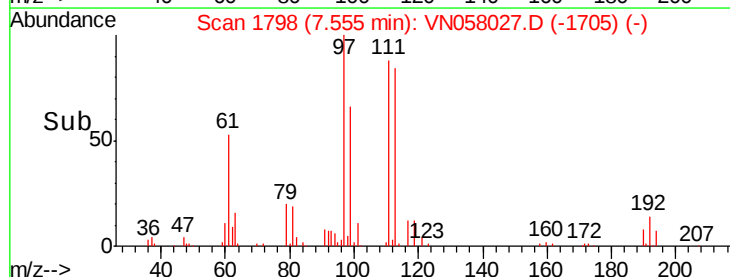
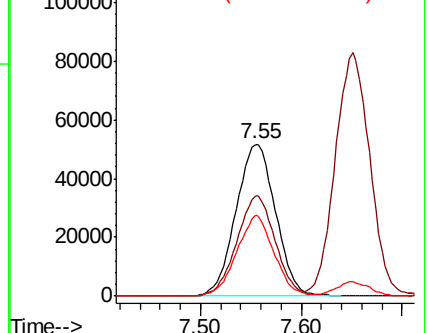
61 49.9 39.0 58.6

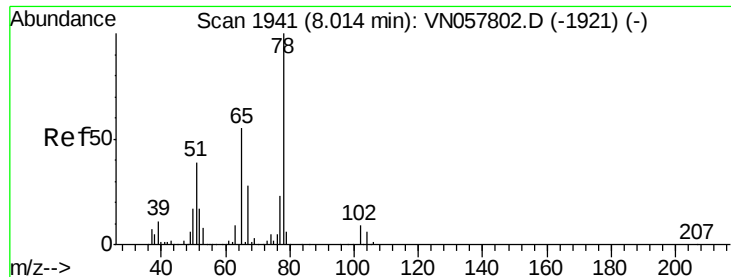


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

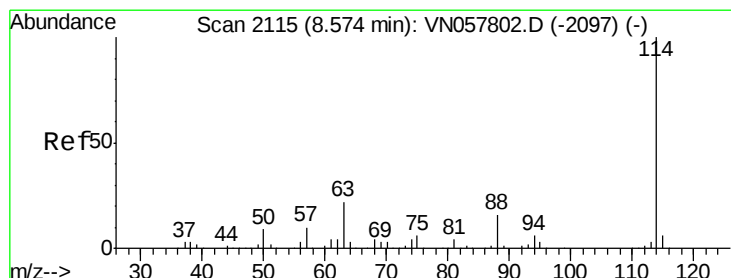
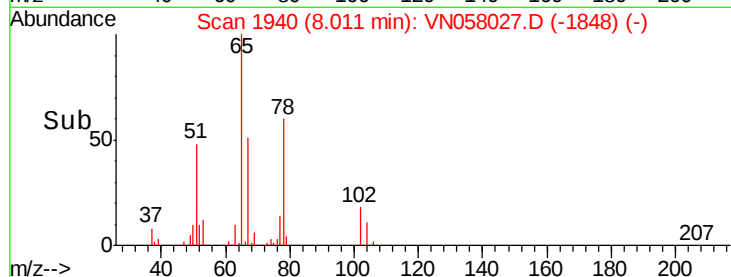
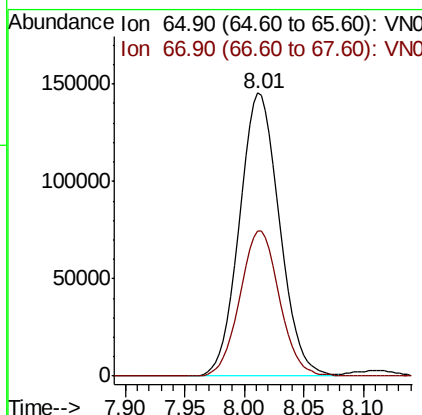
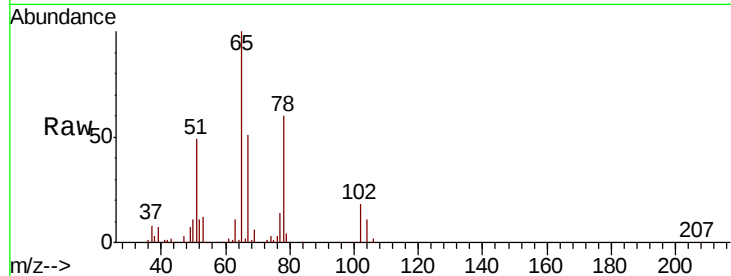




#33
 1,2-Dichloroethane-d4
 Concen: 51.922 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

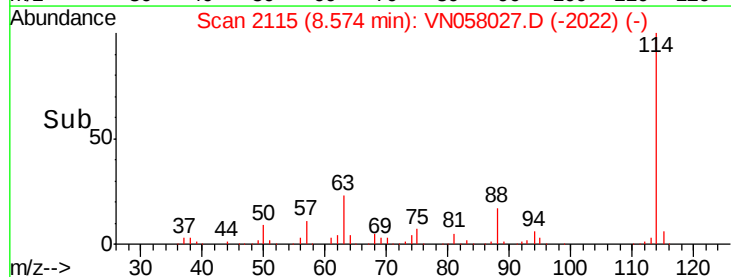
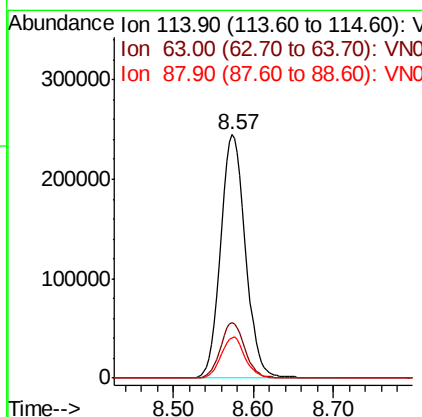
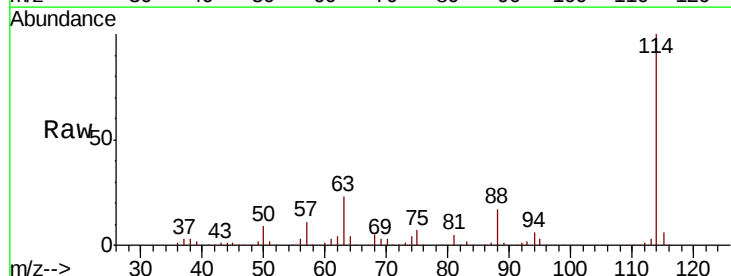
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

Tgt Ion: 65 Resp: 338878
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 114 Resp: 524545
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.0
 88 16.7 0.0 31.4

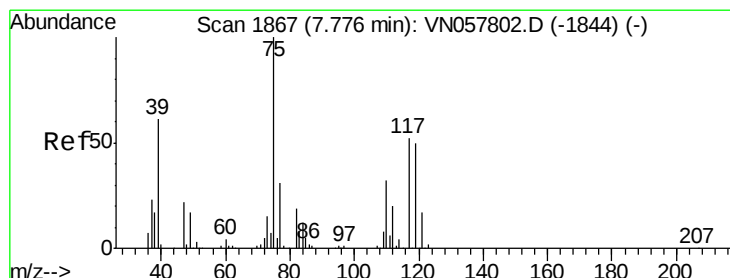
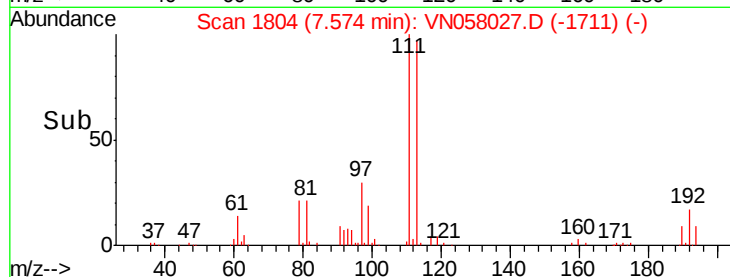
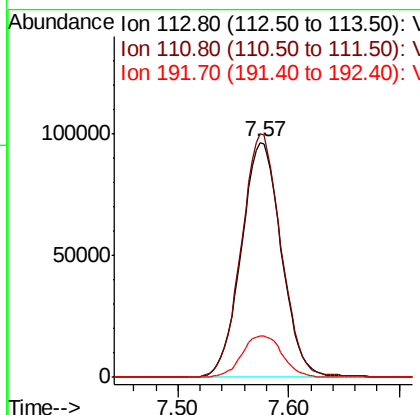
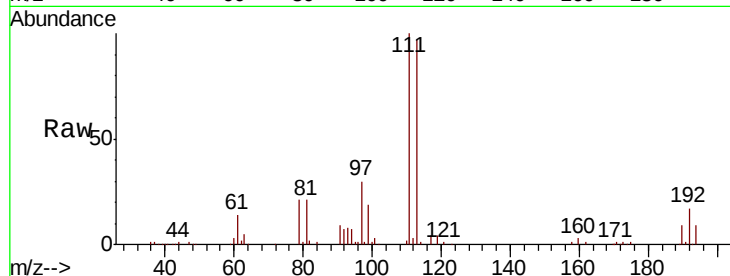




#35
 Dibromofluoromethane
 Concen: 49.980 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

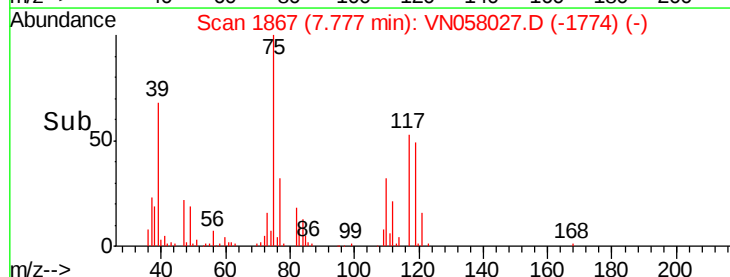
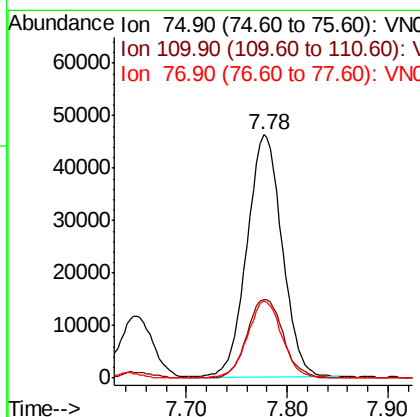
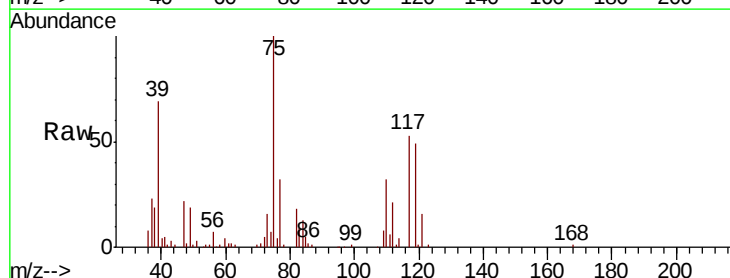
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

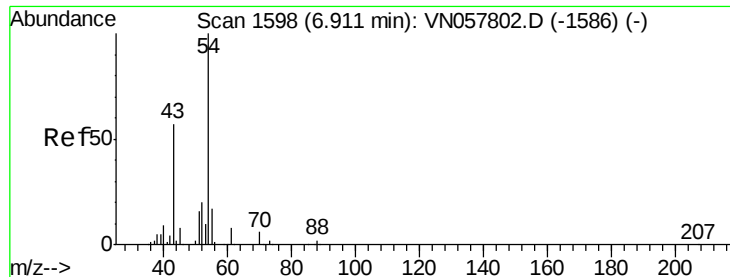
Tgt Ion: 113 Resp: 241972
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.3 121.9
 192 18.0 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 18.347 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 75 Resp: 111612
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.3 48.9
 77 31.8 25.0 37.4

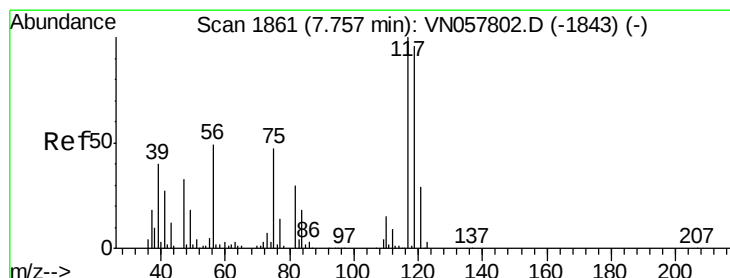
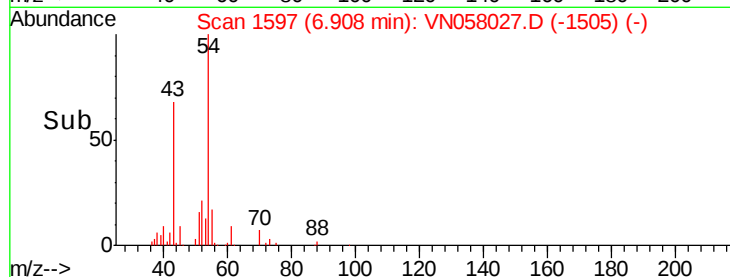
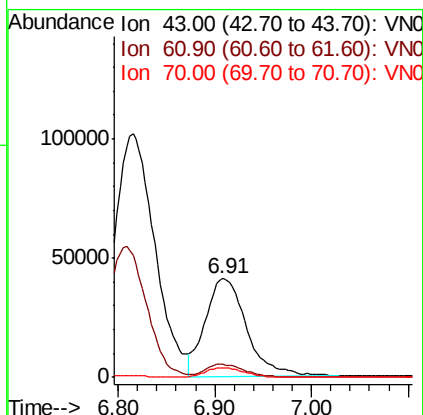
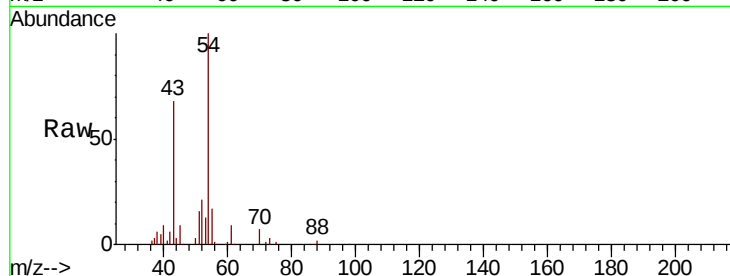




#37
 Ethyl Acetate
 Concen: 19.308 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

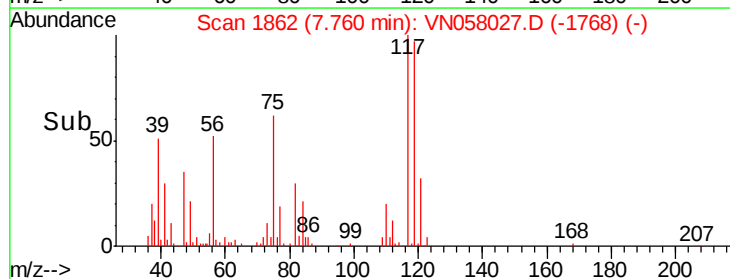
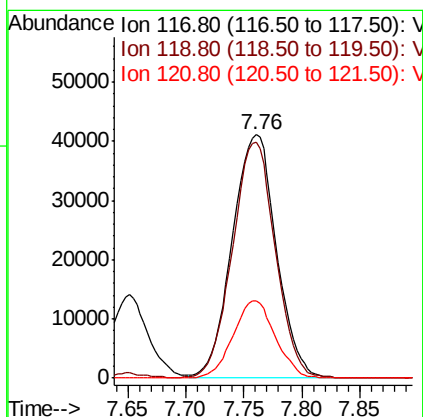
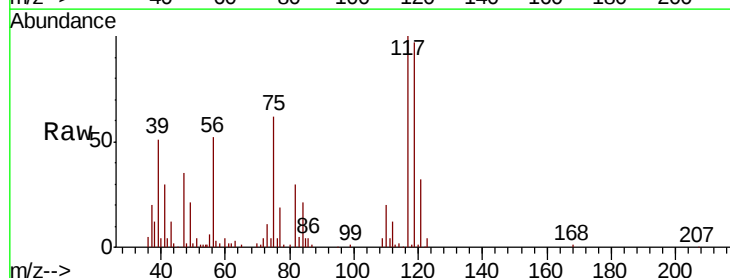
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBSD03

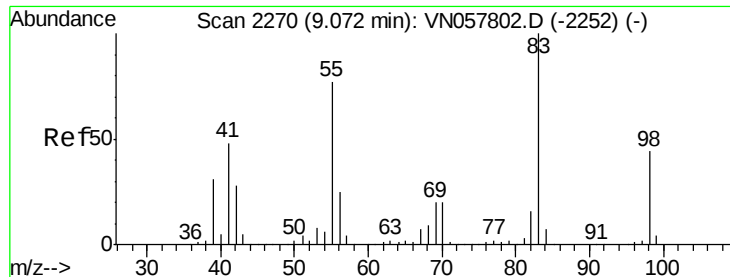
Tgt Ion: 43 Resp: 121357
 Ion Ratio Lower Upper
 43 100
 61 13.1 10.5 15.7
 70 9.5 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 19.667 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 117 Resp: 109230
 Ion Ratio Lower Upper
 117 100
 119 97.0 76.9 115.3
 121 31.9 23.4 35.2

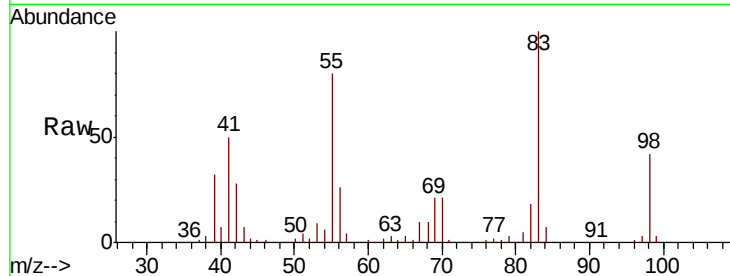




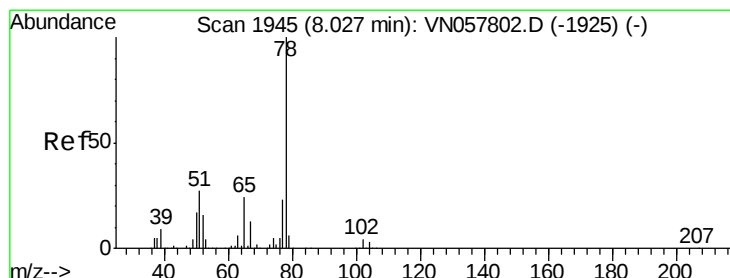
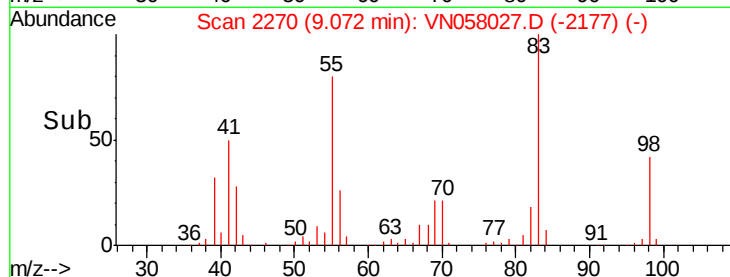
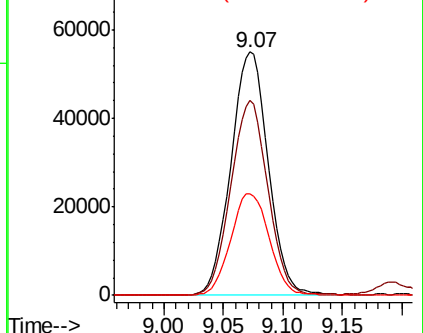
#39
Methylcyclohexane
Concen: 18.738 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

Tgt Ion: 83 Resp: 119827
Ion Ratio Lower Upper
83 100
55 80.2 61.6 92.4
98 41.5 34.9 52.3

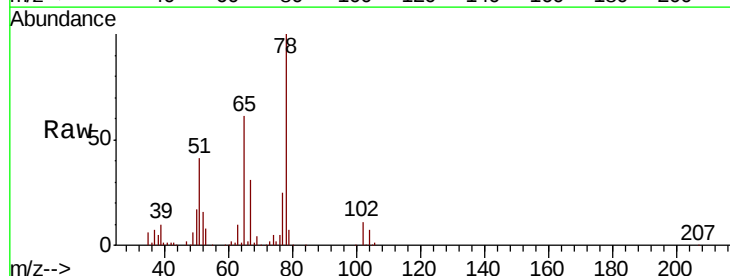


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

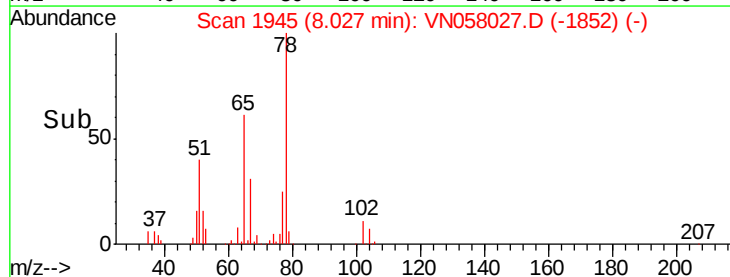
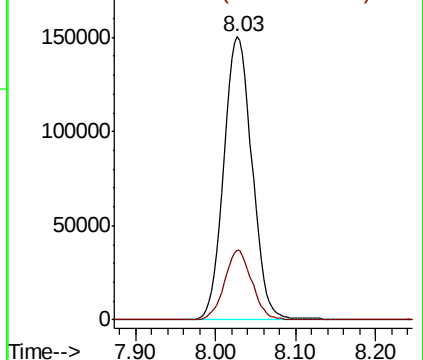


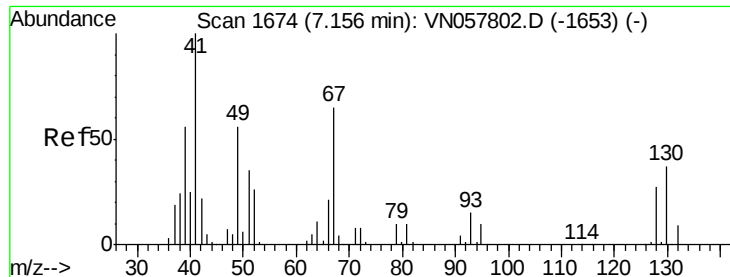
#40
Benzene
Concen: 19.926 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 78 Resp: 364944
Ion Ratio Lower Upper
78 100
77 24.8 18.3 27.5



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

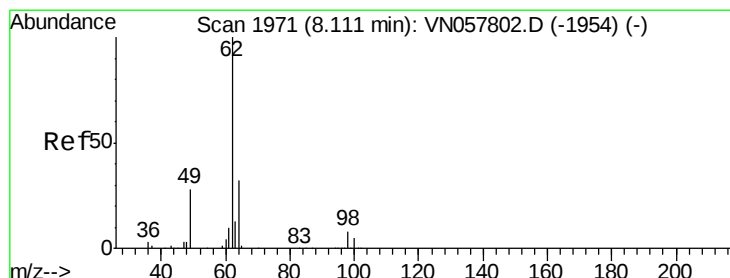
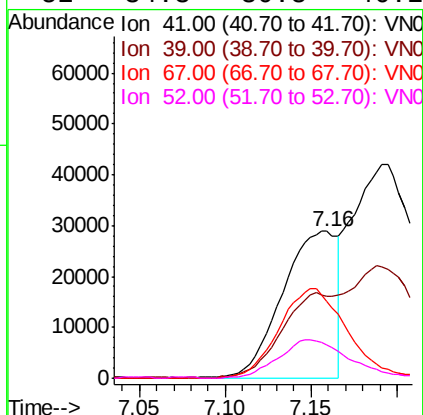
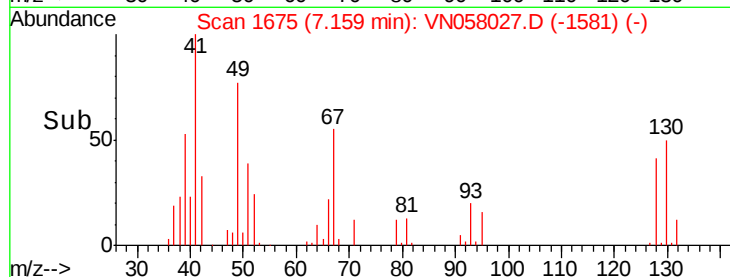
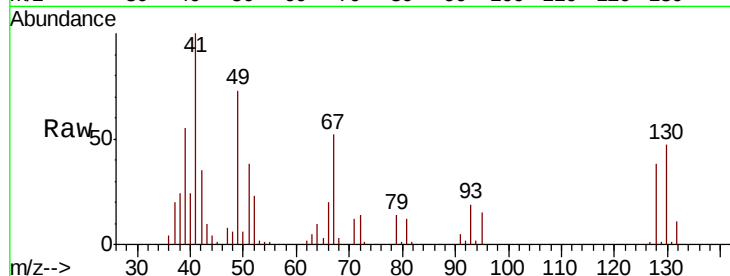




#41
Methacrylonitrile
Concen: 22.513 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

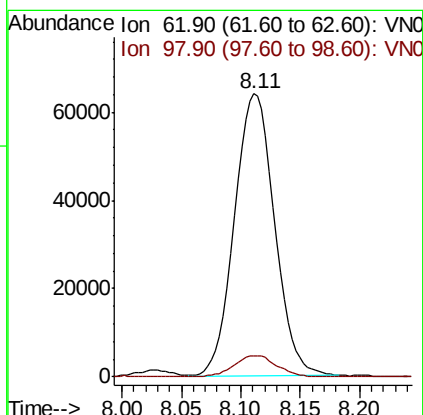
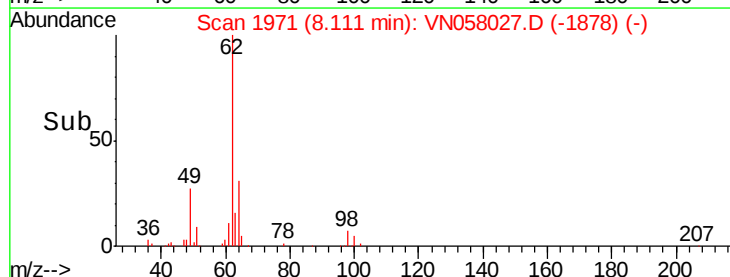
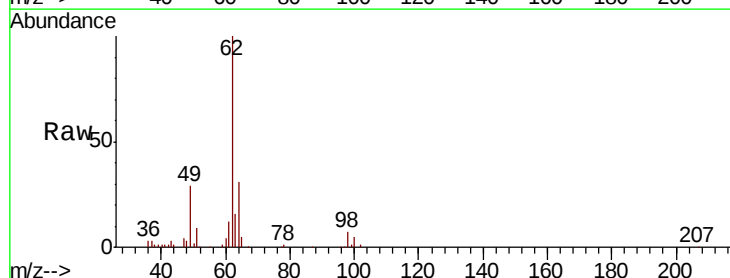
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

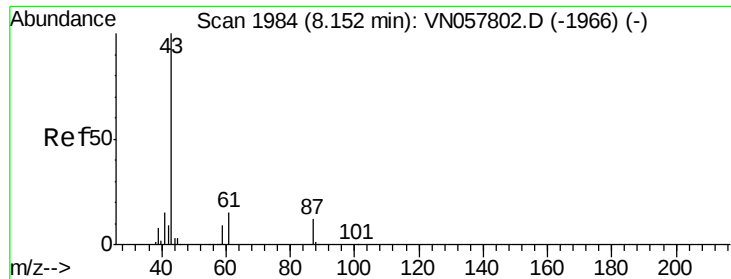
Tgt Ion: 41 Resp: 64232
Ion Ratio Lower Upper
41 100
39 47.8 51.0 76.6#
67 76.0 70.7 106.1
52 34.3 30.8 46.2



#42
1,2-Dichloroethane
Concen: 20.449 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 62 Resp: 149782
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 20.593 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

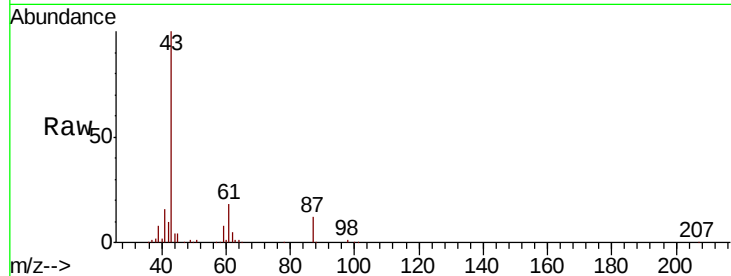
Tgt Ion: 43 Resp: 217665

Ion Ratio Lower Upper

43 100

61 17.7 20.1 30.1#

87 11.5 9.5 14.3

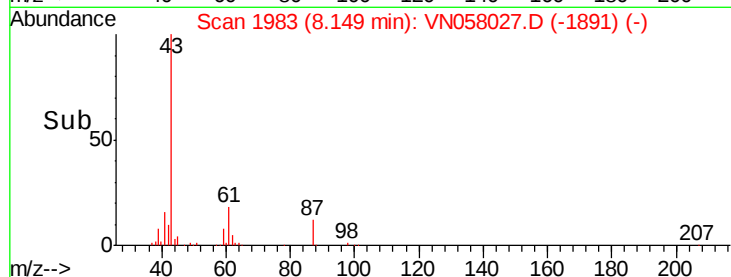


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

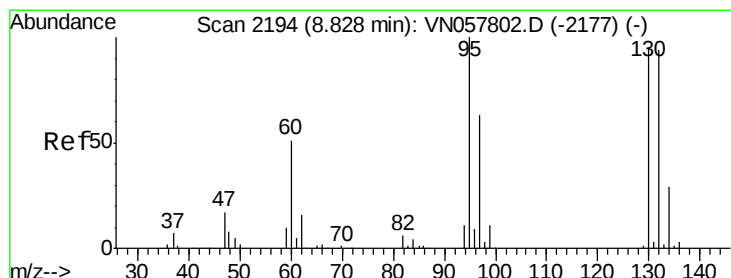
Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

8.15



Time-->



#44

Trichloroethene

Concen: 19.385 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058027.D

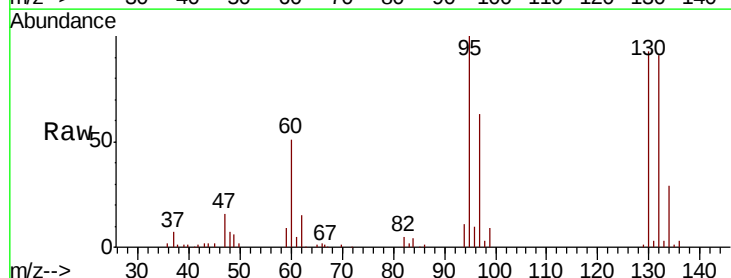
Acq: 13 Sep 2019 19:23

Tgt Ion: 130 Resp: 87081

Ion Ratio Lower Upper

130 100

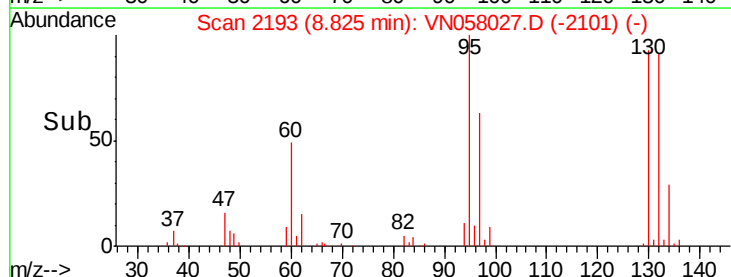
95 108.0 0.0 211.4



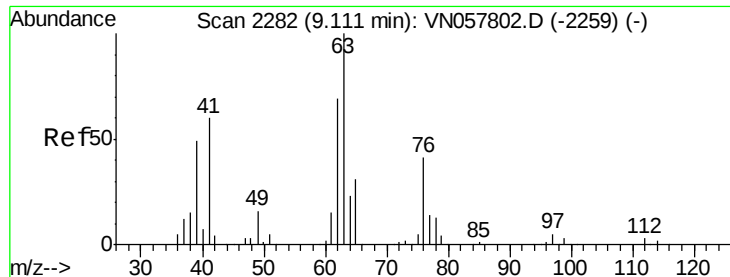
Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

8.82



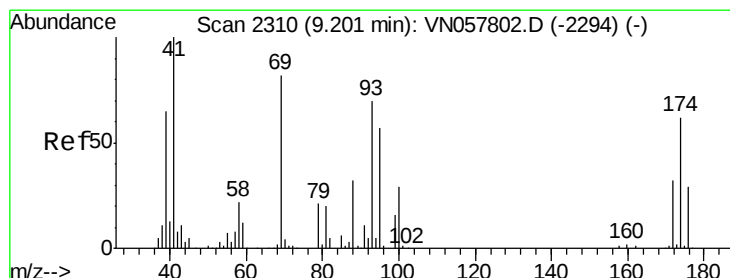
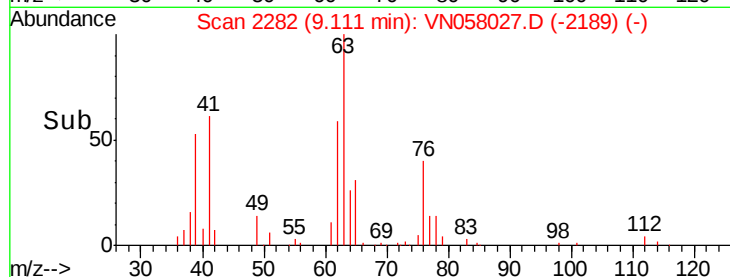
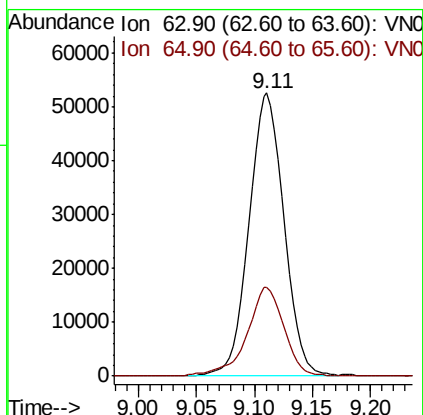
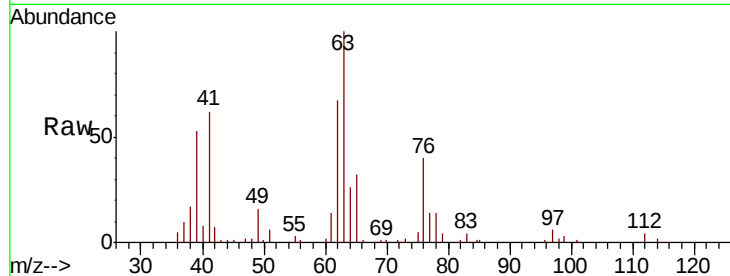
Time-->



#45
 1,2-Dichloropropane
 Concen: 20.734 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

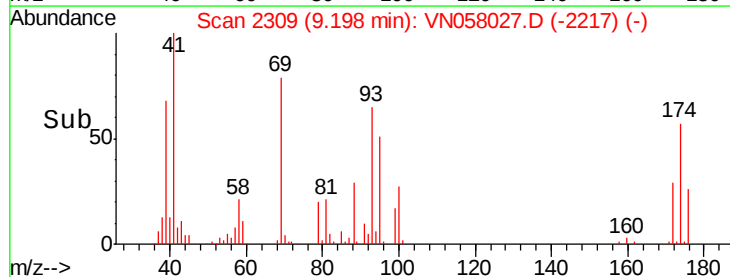
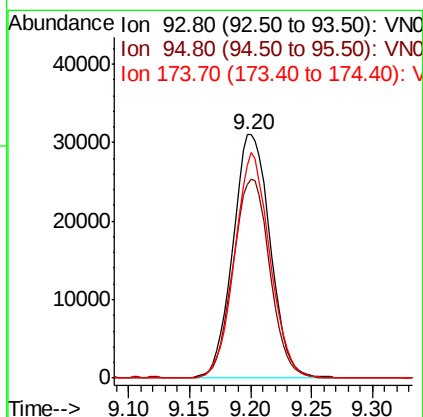
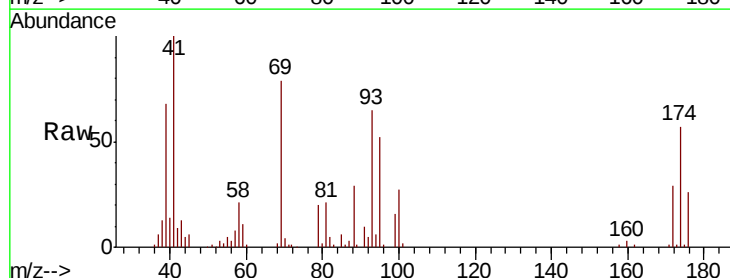
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

Tgt Ion: 63 Resp: 110498
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2



#46
 Dibromomethane
 Concen: 20.401 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 93 Resp: 65699
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.9 98.9
 174 87.3 71.8 107.6

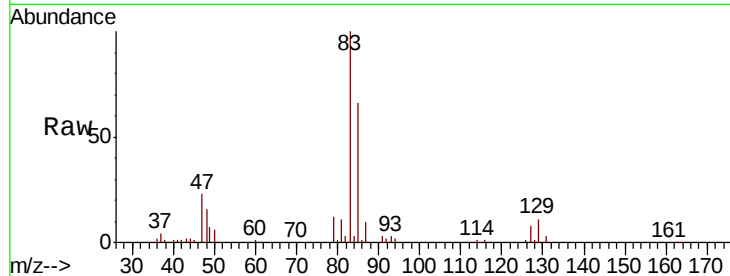




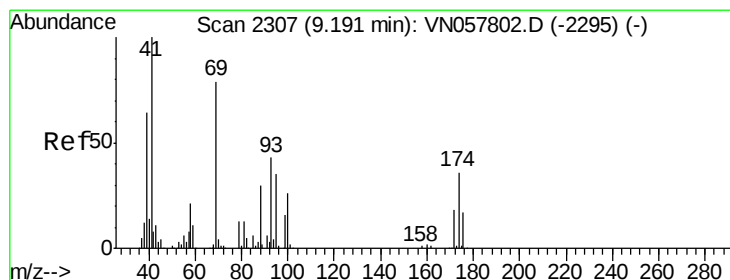
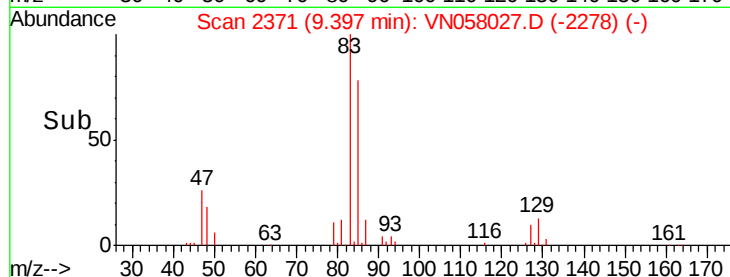
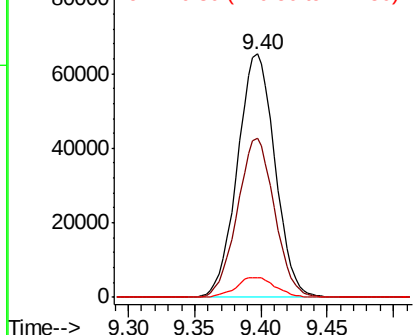
#47
Bromodichloromethane
Concen: 19.954 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

Tgt Ion: 83 Resp: 128324
Ion Ratio Lower Upper
83 100
85 65.5 49.9 74.9
127 8.2 6.5 9.7

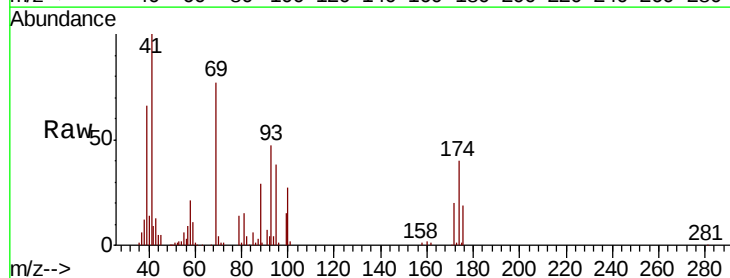


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

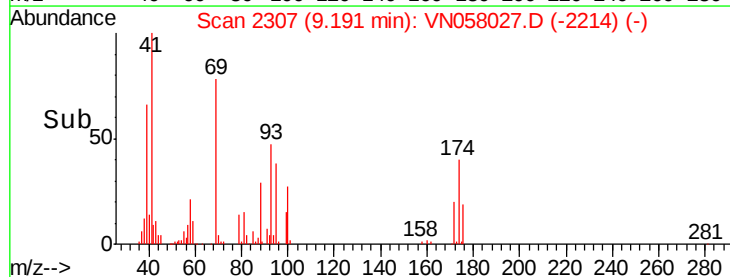
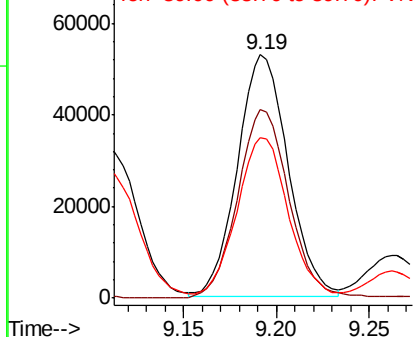


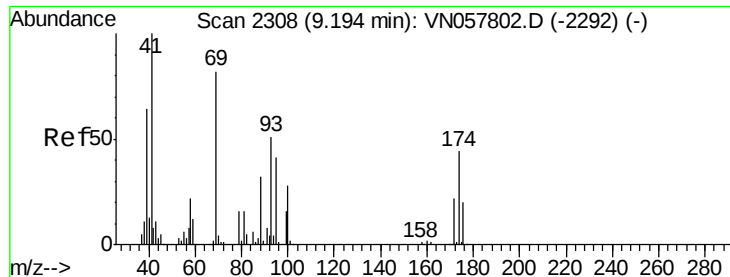
#48
Methyl methacrylate
Concen: 18.717 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 41 Resp: 100352
Ion Ratio Lower Upper
41 100
69 79.6 62.7 94.1
39 67.4 52.7 79.1



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

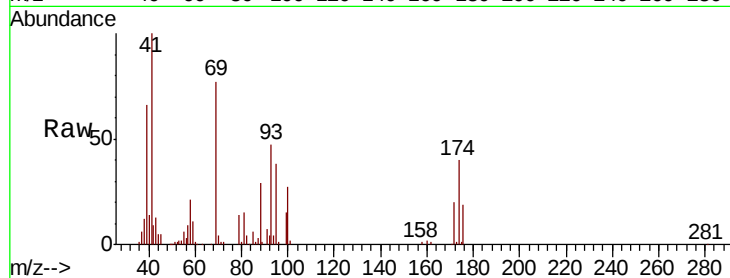




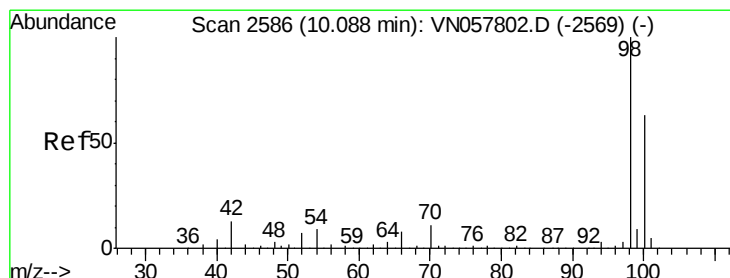
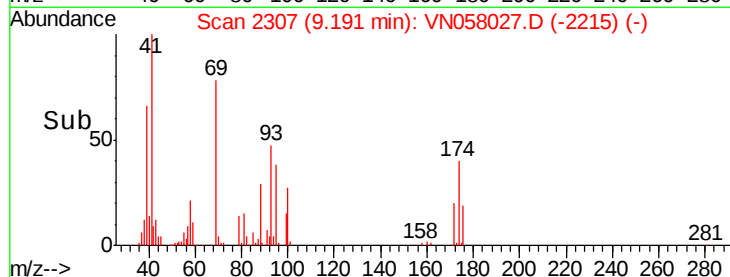
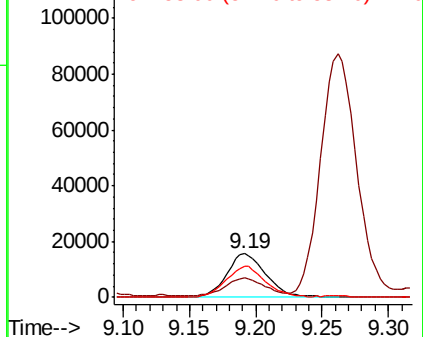
#49
 1,4-Dioxane
 Concen: 355.685 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

Tgt Ion: 88 Resp: 32250
 Ion Ratio Lower Upper
 88 100
 43 40.2 28.5 42.7
 58 70.8 55.8 83.6

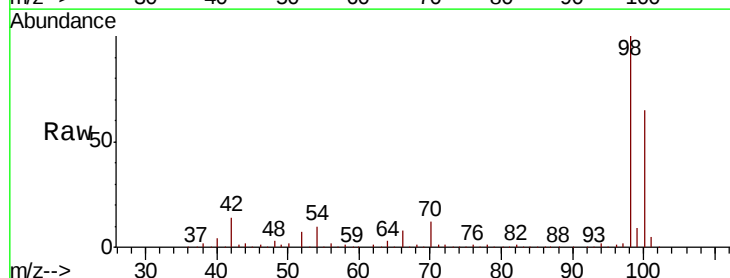


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

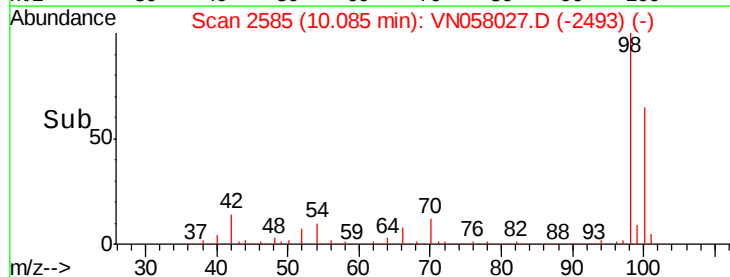
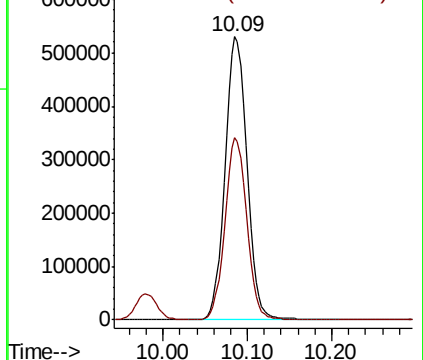


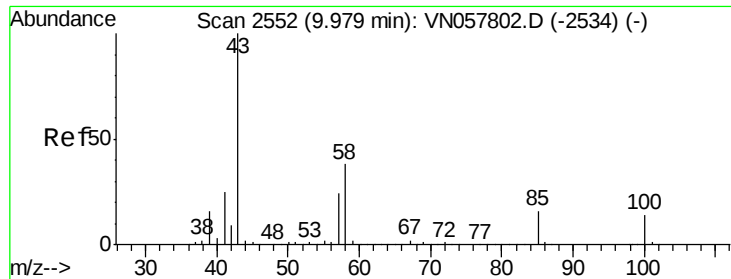
#50
 Toluene-d8
 Concen: 51.033 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 98 Resp: 959247
 Ion Ratio Lower Upper
 98 100
 100 64.3 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: 104.555 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

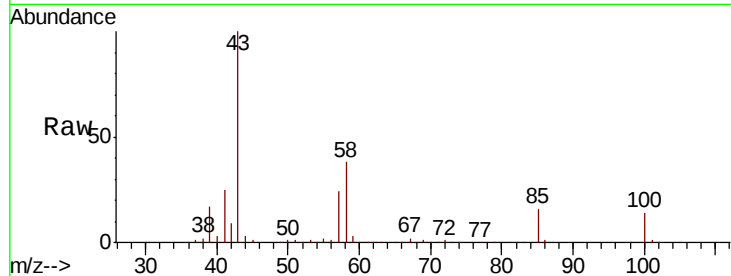
VN0914WBSD03

Tgt Ion: 43 Resp: 653975

Ion Ratio Lower Upper

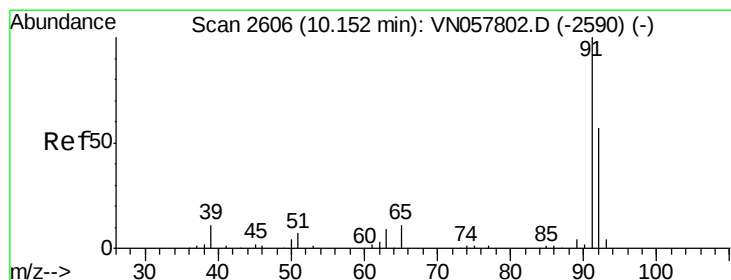
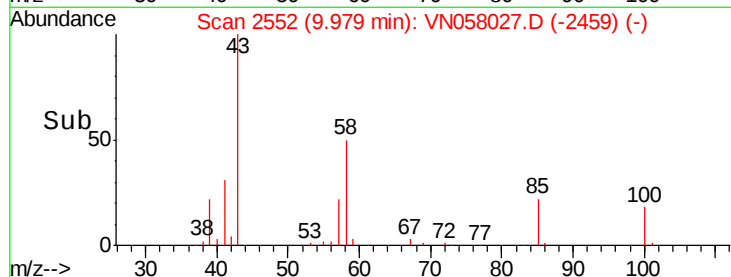
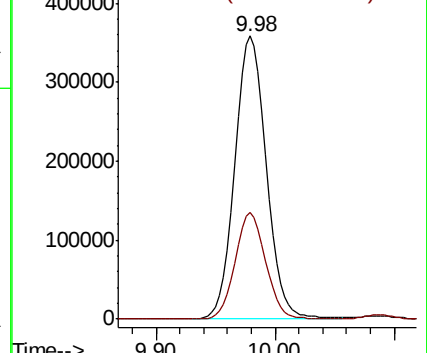
43 100

58 36.7 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.583 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058027.D

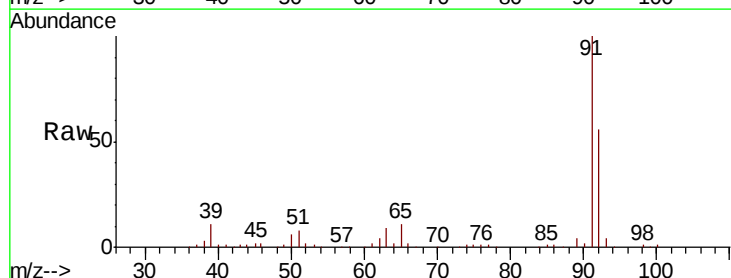
Acq: 13 Sep 2019 19:23

Tgt Ion: 92 Resp: 225892

Ion Ratio Lower Upper

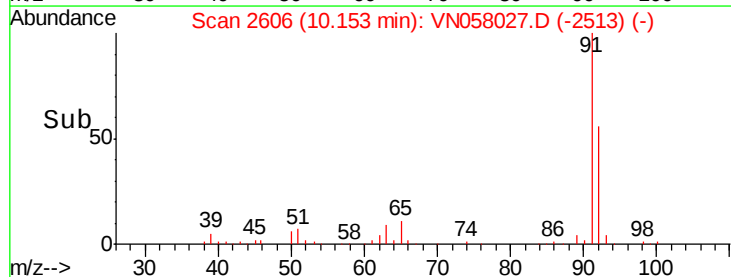
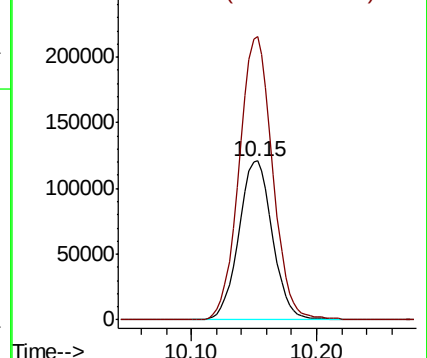
92 100

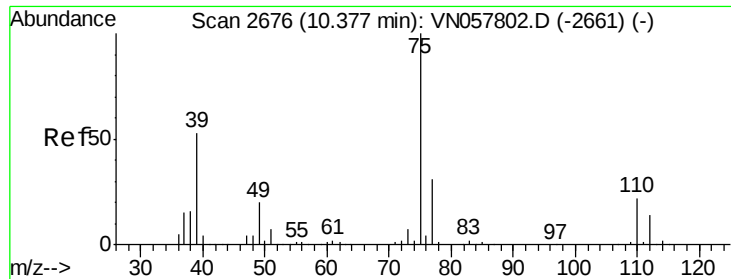
91 176.7 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.006 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

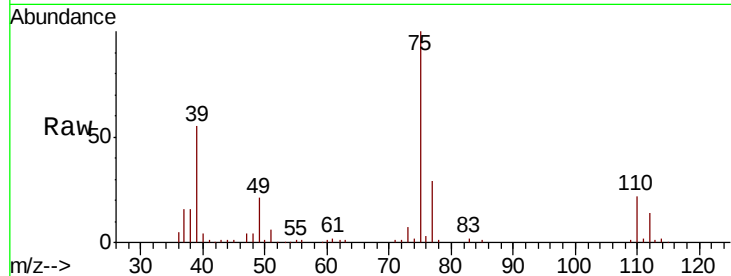
VN0914WBSD03

Tgt Ion: 75 Resp: 128709

Ion Ratio Lower Upper

75 100

77 28.9 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

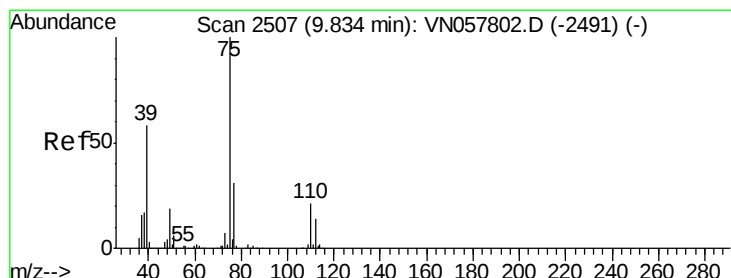
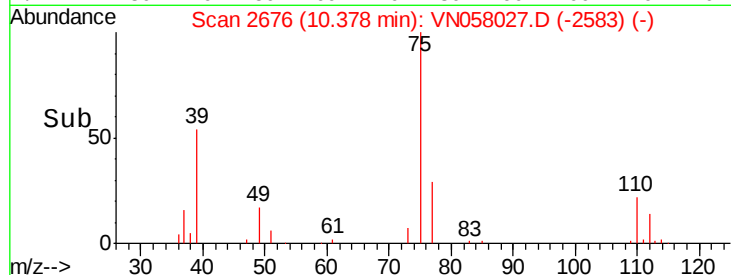
40000

20000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.319 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

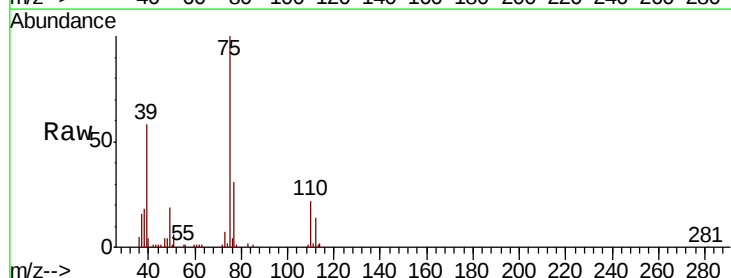
Tgt Ion: 75 Resp: 144443

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 57.8 46.2 69.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

100000

80000

60000

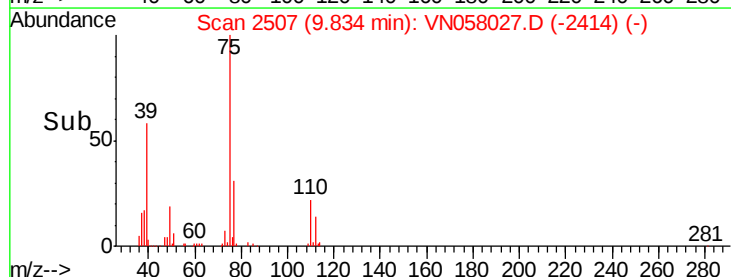
40000

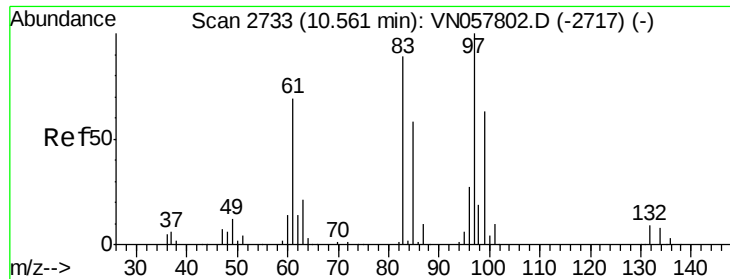
20000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 20.708 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

Tgt Ion: 97 Resp: 101187

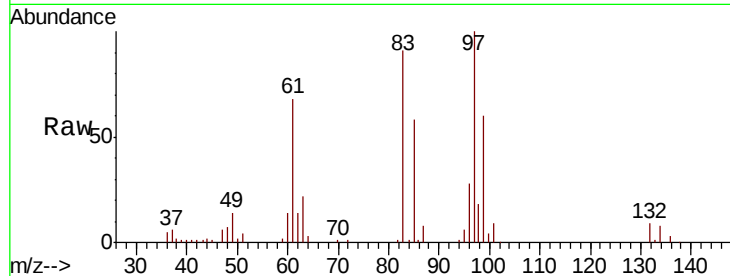
Ion Ratio Lower Upper

97 100

83 91.0 70.8 106.2

85 57.6 46.0 69.0

99 60.5 50.6 76.0



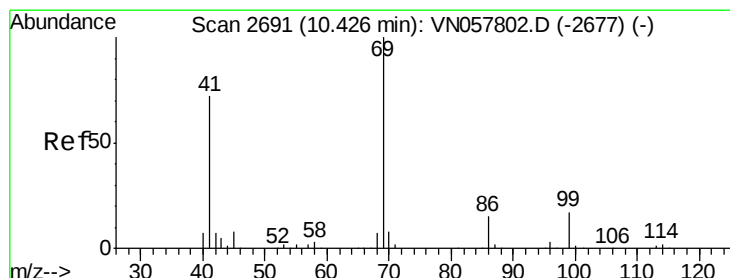
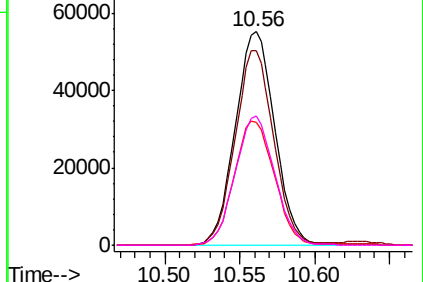
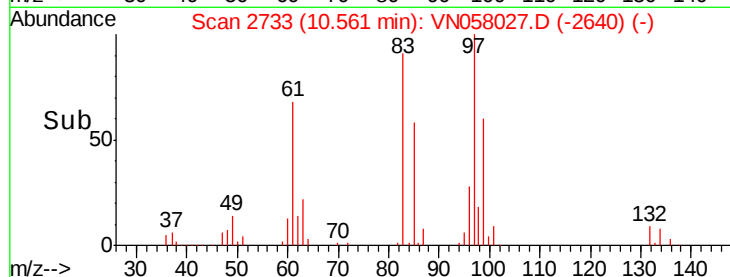
Abundance

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: 19.272 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

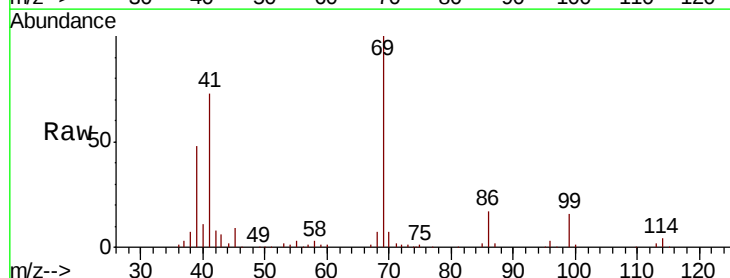
Tgt Ion: 69 Resp: 141807

Ion Ratio Lower Upper

69 100

41 71.9 56.7 85.1

39 46.8 36.3 54.5

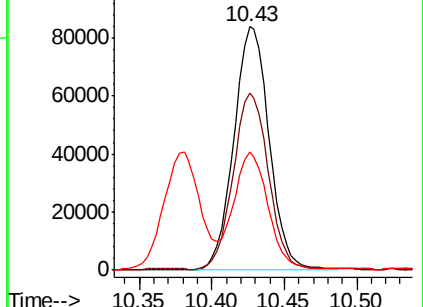
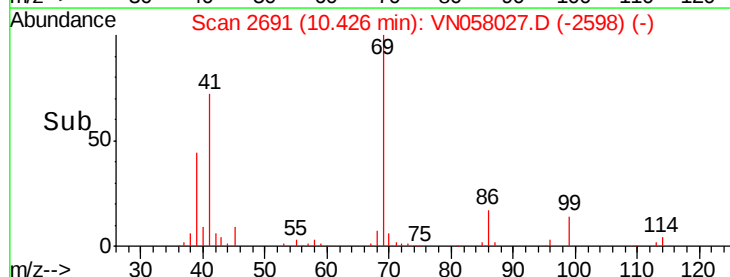


Abundance

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: 20.613 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

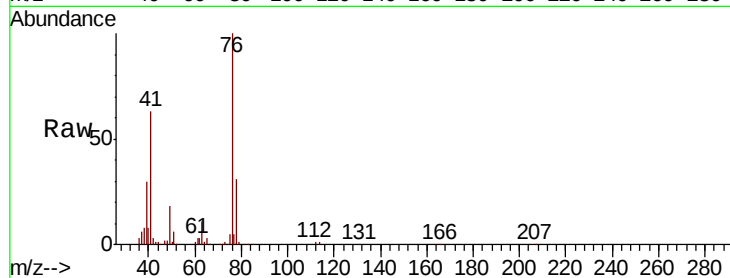
VN0914WBSD03

Tgt Ion: 76 Resp: 173577

Ion Ratio Lower Upper

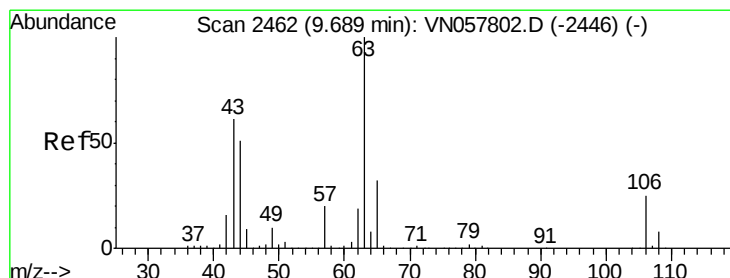
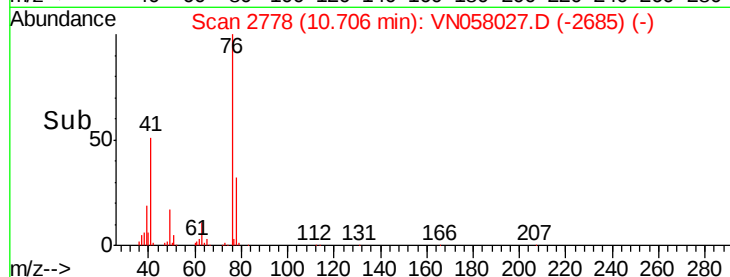
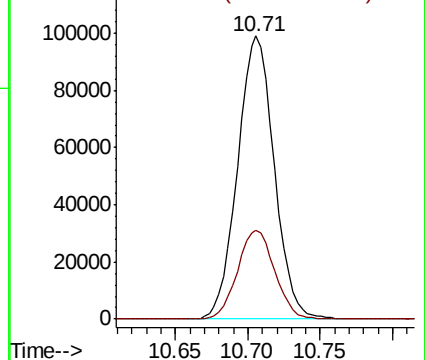
76 100

78 31.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.535 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058027.D

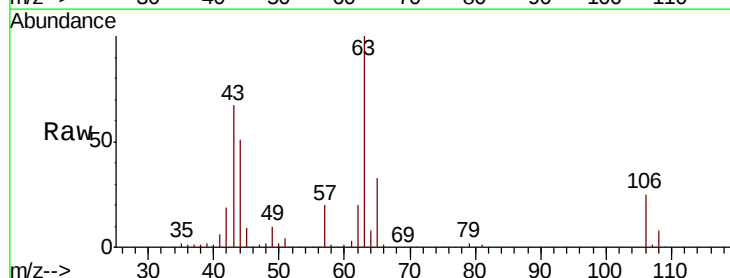
Acq: 13 Sep 2019 19:23

Tgt Ion: 63 Resp: 317229

Ion Ratio Lower Upper

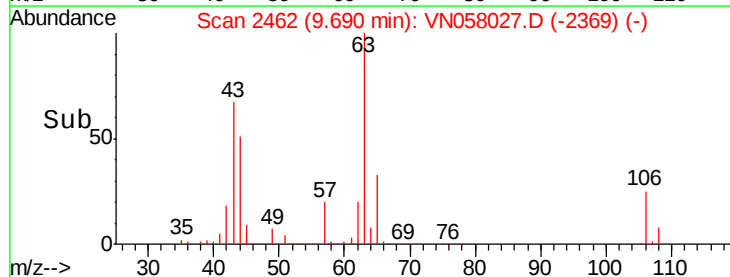
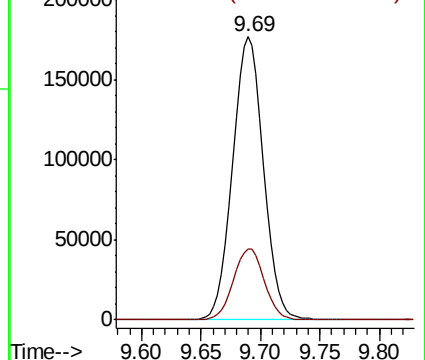
63 100

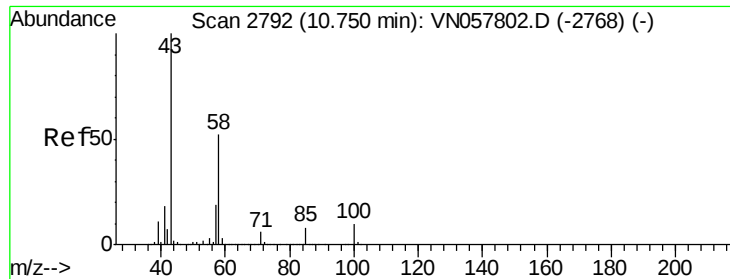
106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

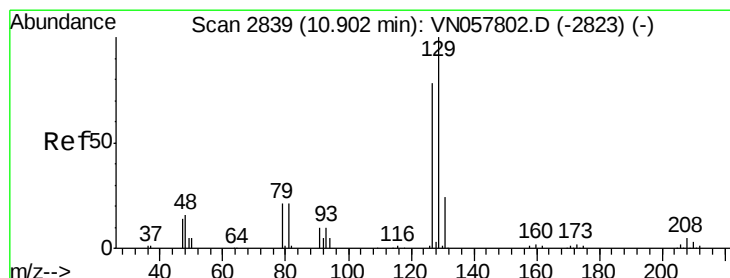
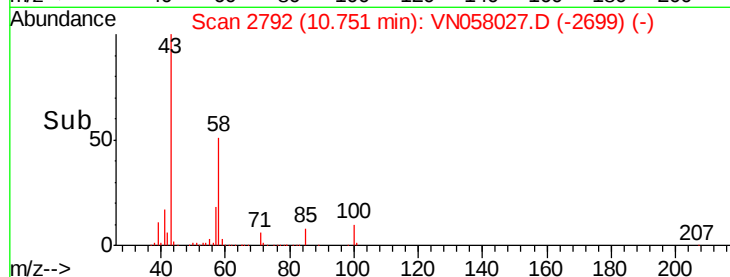
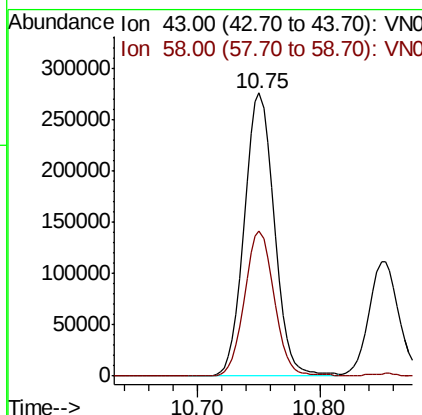
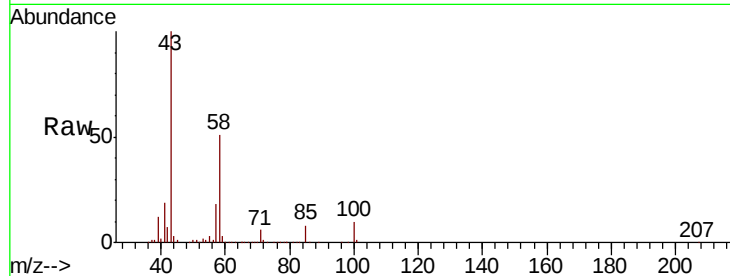




#59
2-Hexanone
Concen: 98.589 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

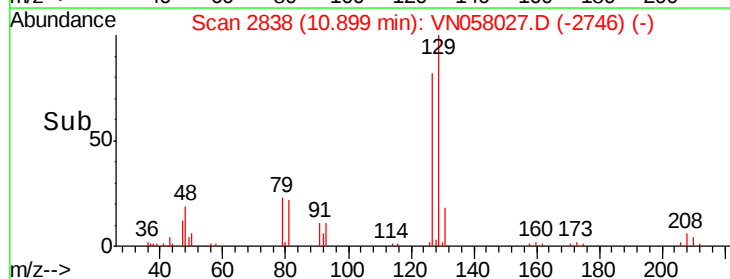
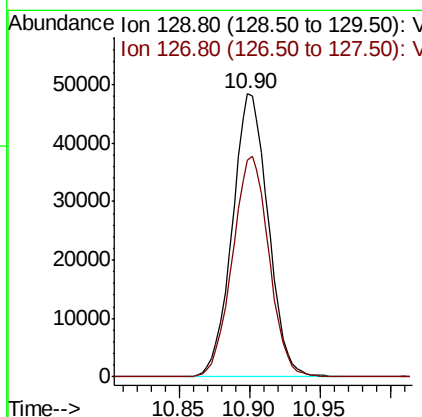
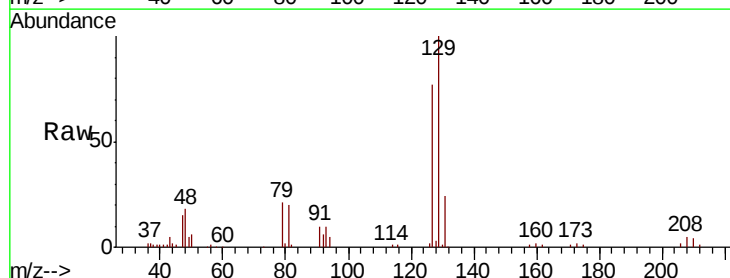
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

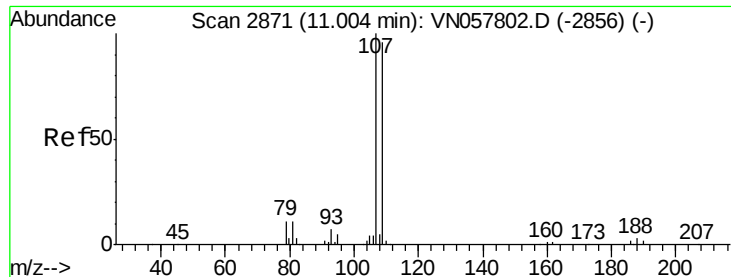
Tgt Ion: 43 Resp: 462206
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 19.002 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 129 Resp: 86219
Ion Ratio Lower Upper
129 100
127 79.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.533 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

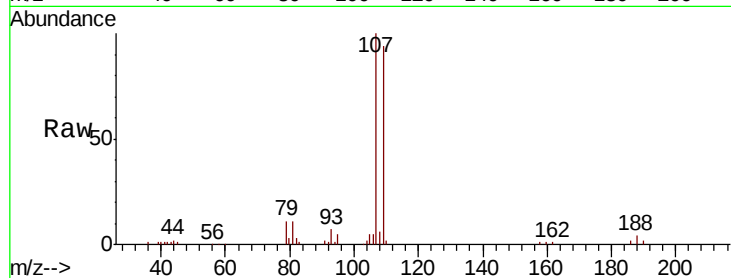
VN0914WBSD03

Tgt Ion: 107 Resp: 90232

Ion Ratio Lower Upper

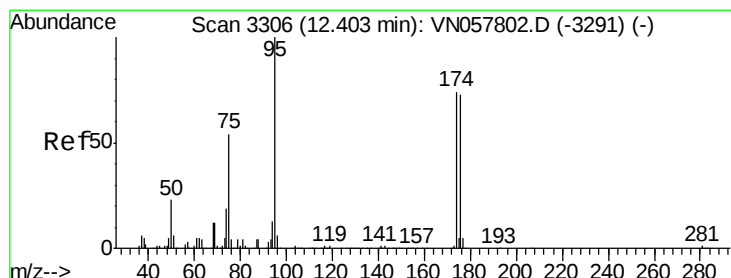
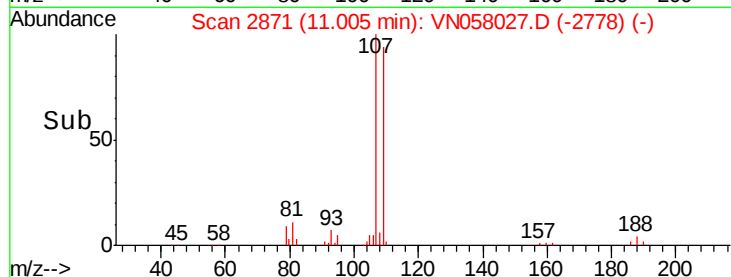
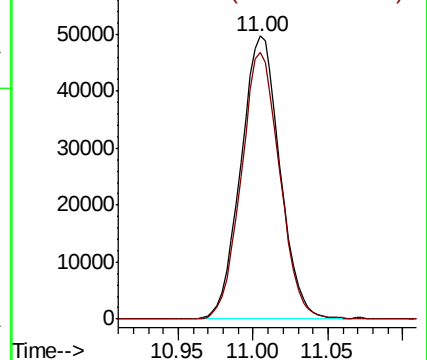
107 100

109 92.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.289 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

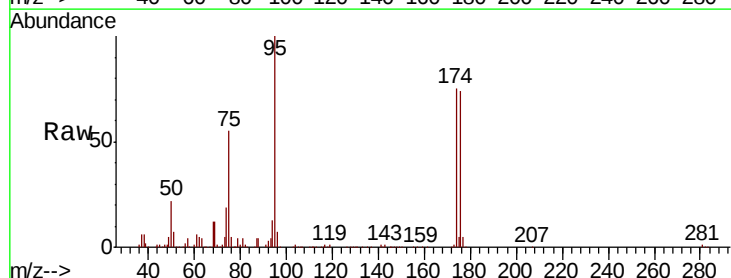
Tgt Ion: 95 Resp: 338738

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

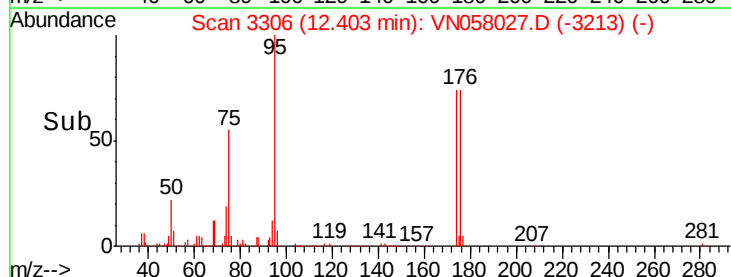
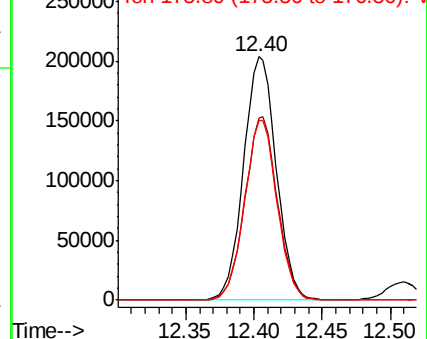
176 73.1 0.0 146.0

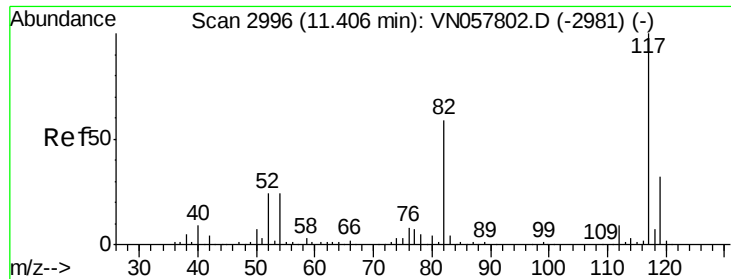


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

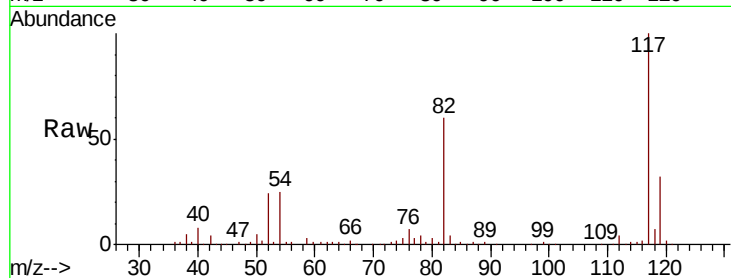




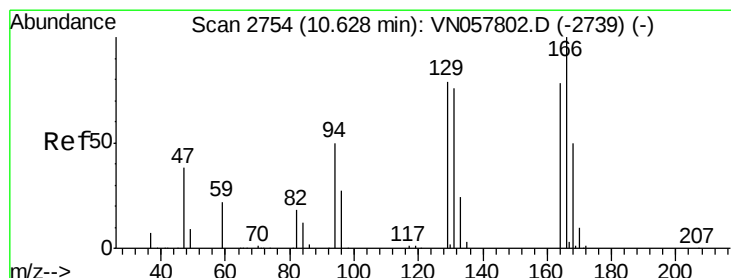
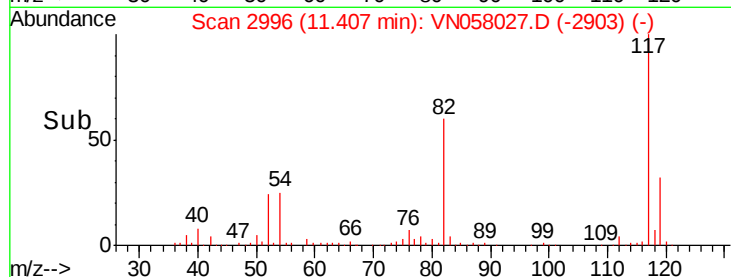
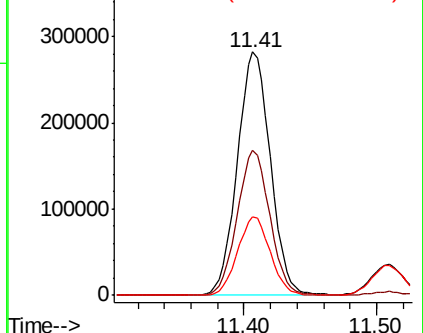
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

Tgt Ion:117 Resp: 487996
Ion Ratio Lower Upper
117 100
82 59.6 47.2 70.8
119 32.3 25.3 37.9



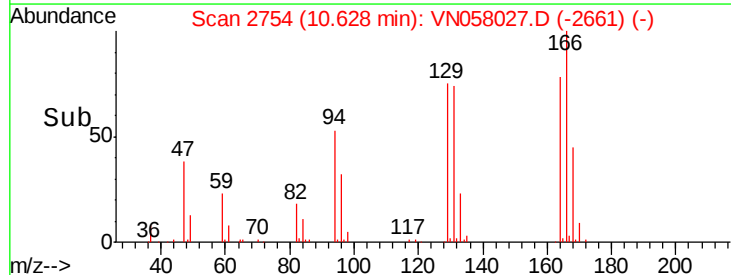
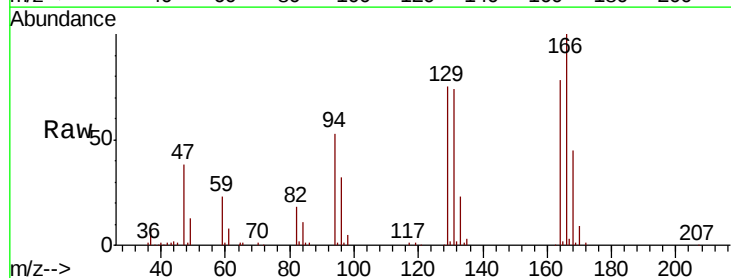
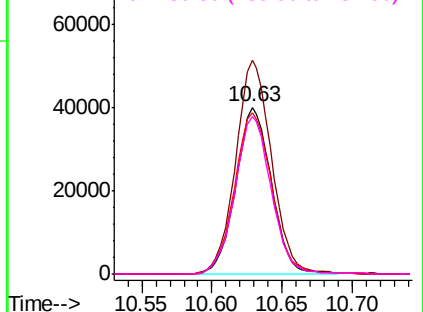
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

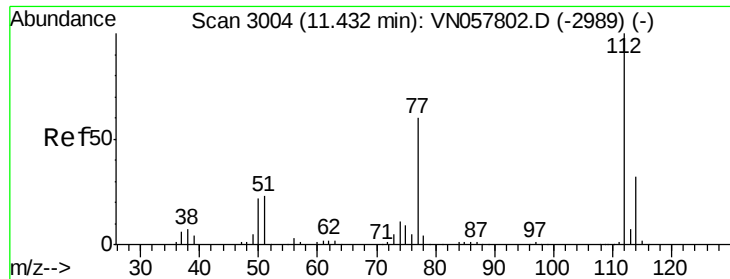


#64
Tetrachloroethene
Concen: 19.615 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion:164 Resp: 70677
Ion Ratio Lower Upper
164 100
166 128.2 102.2 153.2
129 96.6 80.8 121.2
131 94.5 77.4 116.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

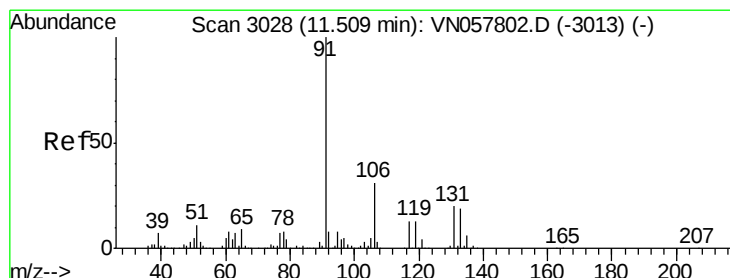
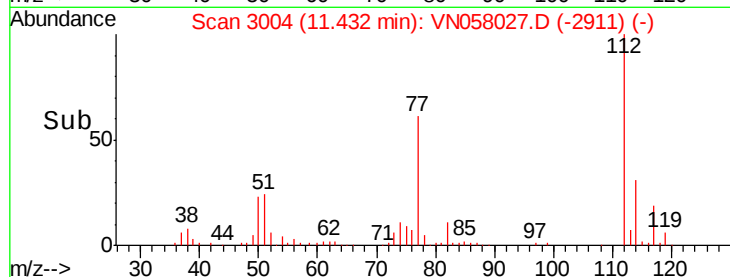
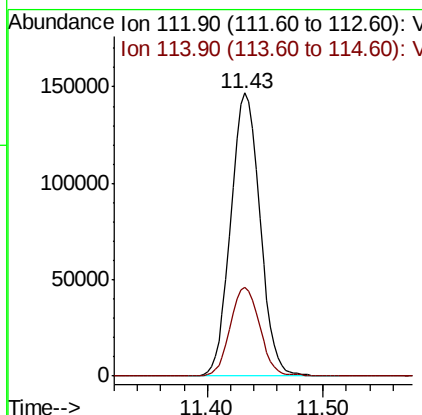
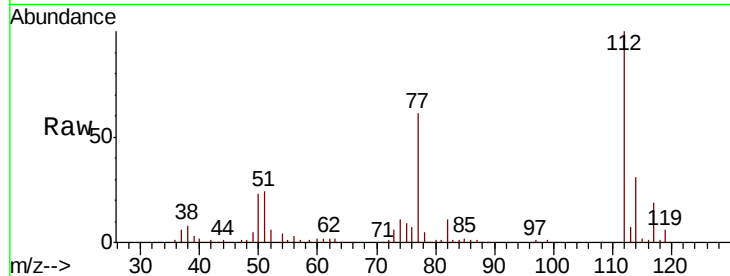




#65
Chlorobenzene
Concen: 20.053 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

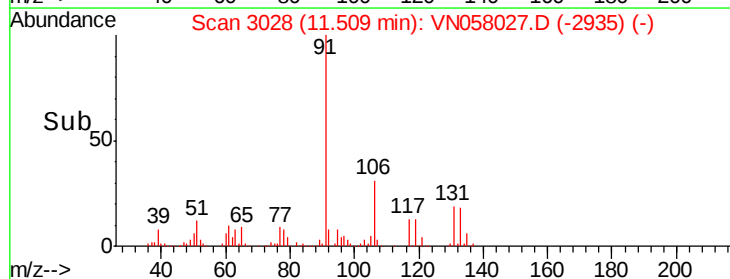
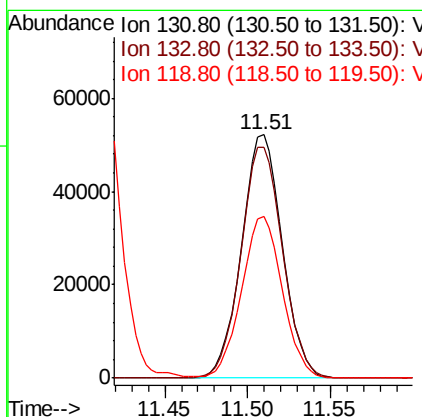
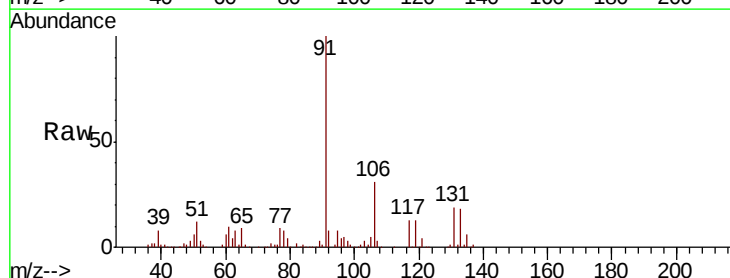
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

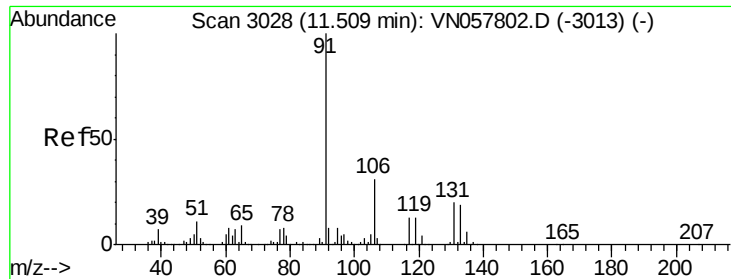
Tgt Ion:112 Resp: 256096
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.179 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion:131 Resp: 89425
Ion Ratio Lower Upper
131 100
133 97.3 47.1 141.3
119 66.3 33.3 99.8

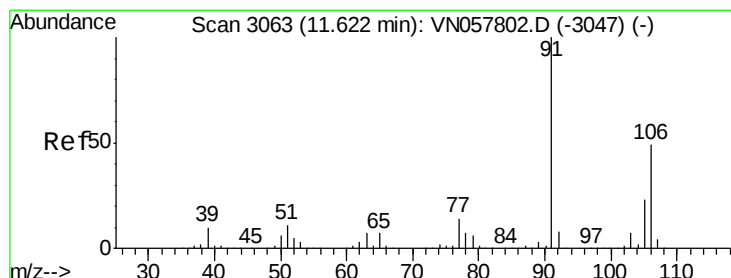
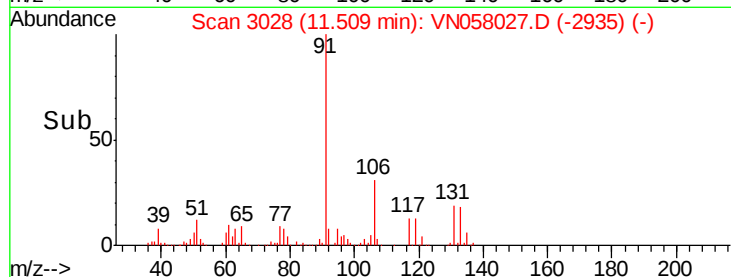
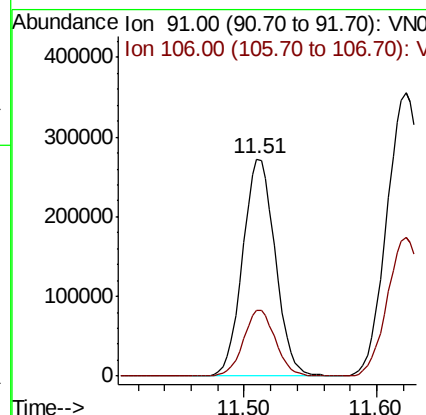
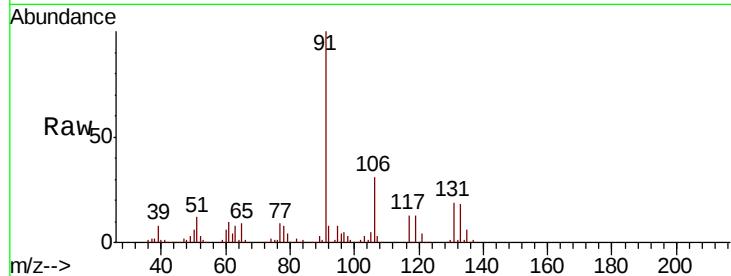




#67
Ethyl Benzene
Concen: 20.762 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

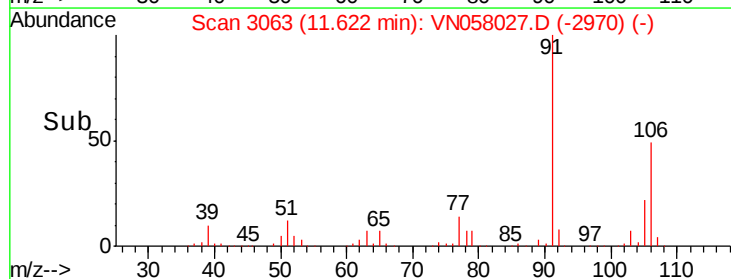
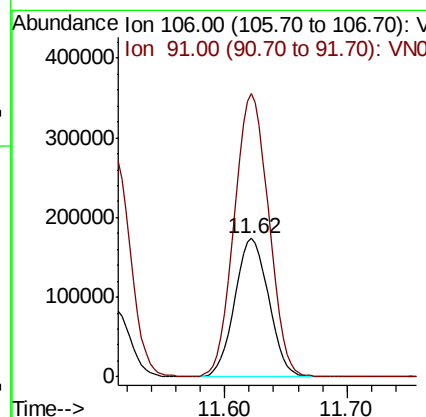
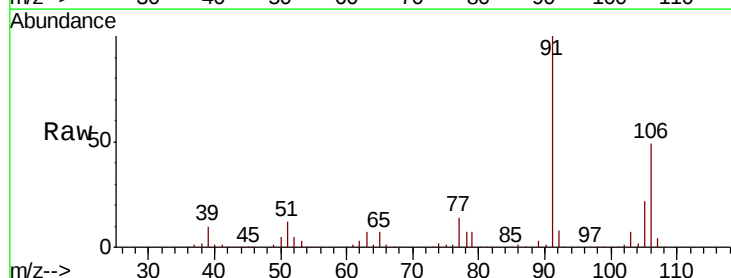
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

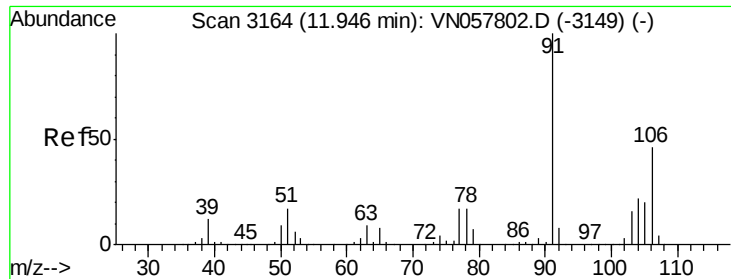
Tgt Ion: 91 Resp: 464691
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 41.023 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion: 106 Resp: 336325
Ion Ratio Lower Upper
106 100
91 207.5 165.8 248.6

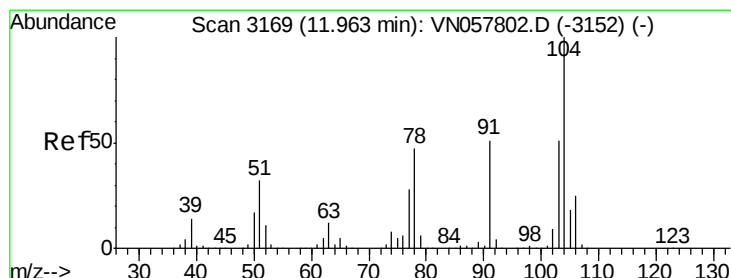
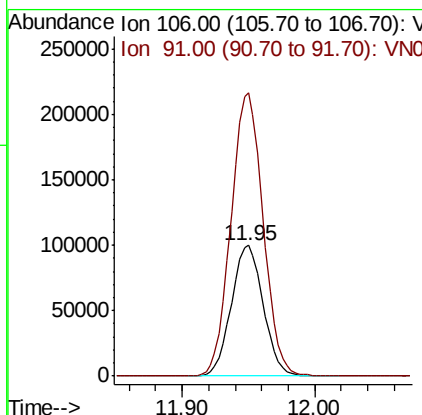
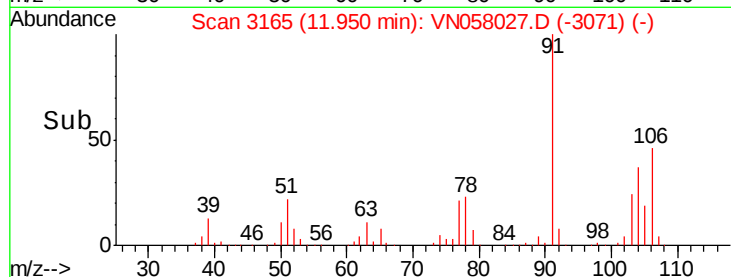
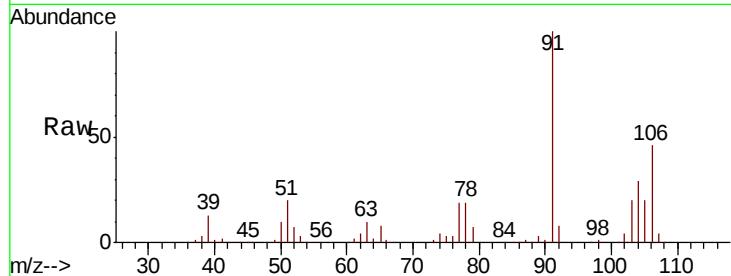




#69
o-Xylene
Concen: 20.491 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

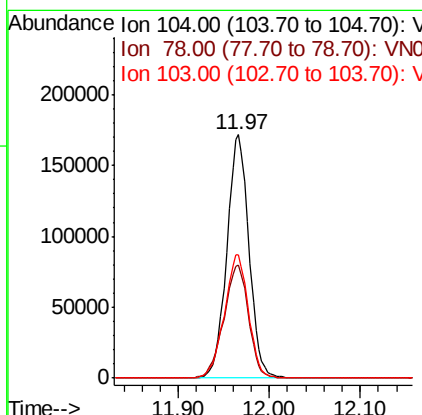
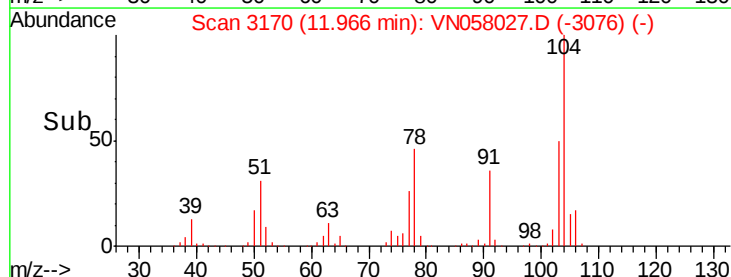
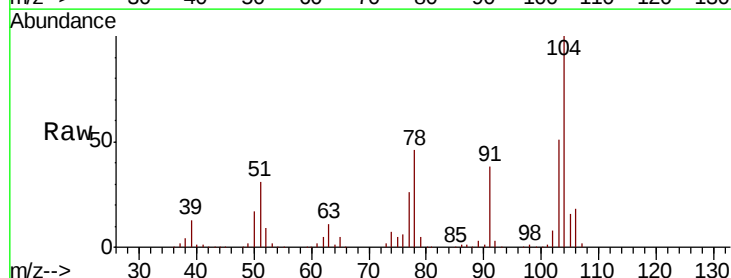
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD03

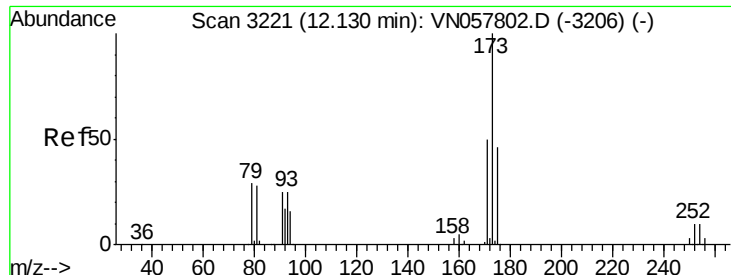
Tgt Ion:106 Resp: 167015
Ion Ratio Lower Upper
106 100
91 218.1 108.7 326.1



#70
Styrene
Concen: 20.677 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058027.D
Acq: 13 Sep 2019 19:23

Tgt Ion:104 Resp: 290037
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 55.0 43.7 65.5





#71

Bromoform

Concen: 18.127 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

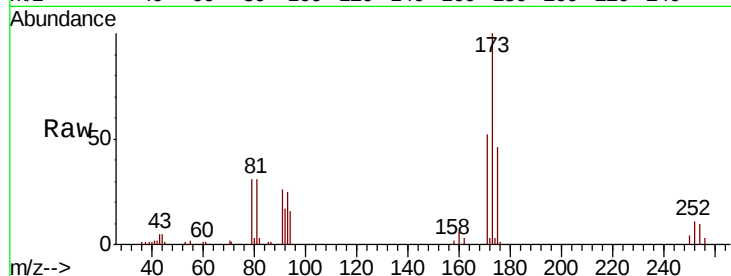
Tgt Ion:173 Resp: 50083

Ion Ratio Lower Upper

173 100

175 48.2 23.5 70.6

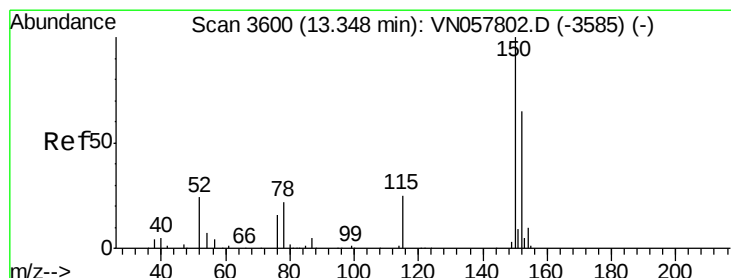
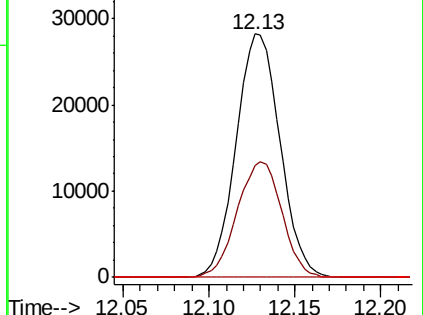
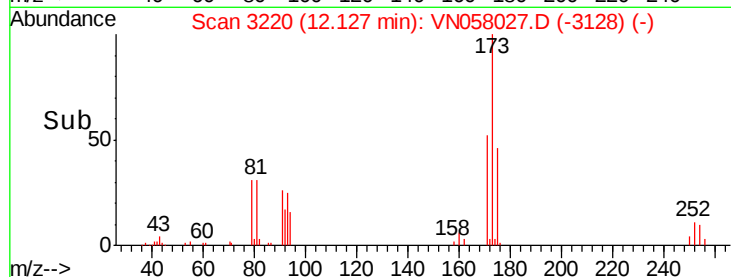
254 0.0 0.1 0.1#



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: VN058027.D

Acq: 13 Sep 2019 19:23

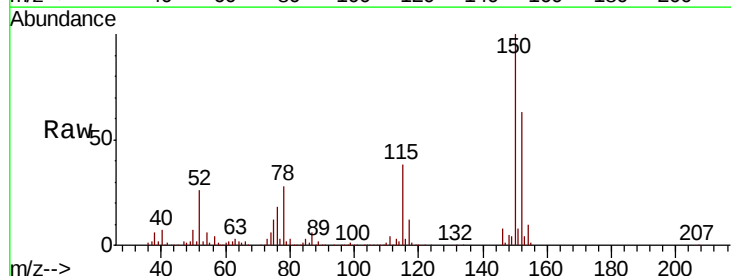
Tgt Ion:152 Resp: 283943

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

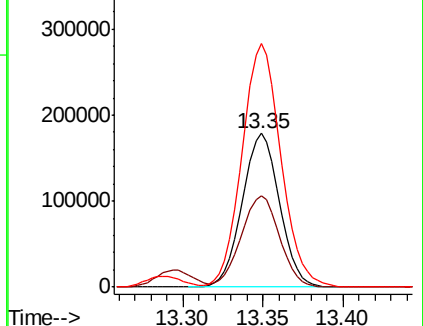
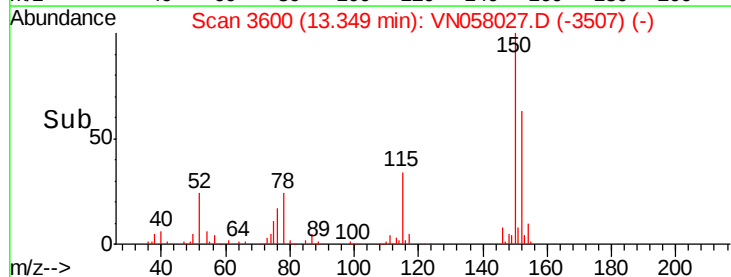
150 165.4 0.0 352.4

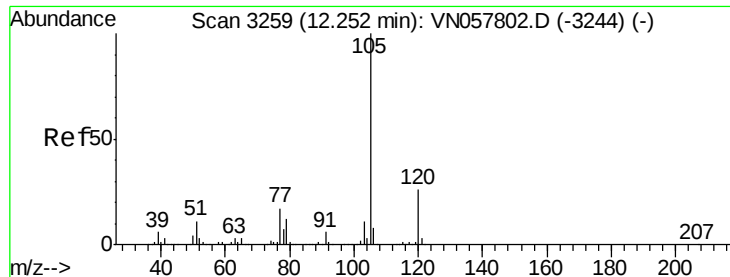


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.165 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

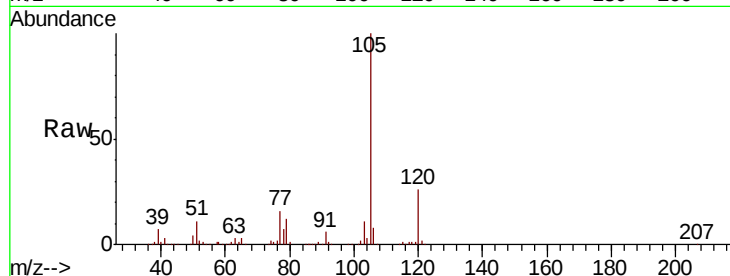
VN0914WBSD03

Tgt Ion:105 Resp: 466328

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

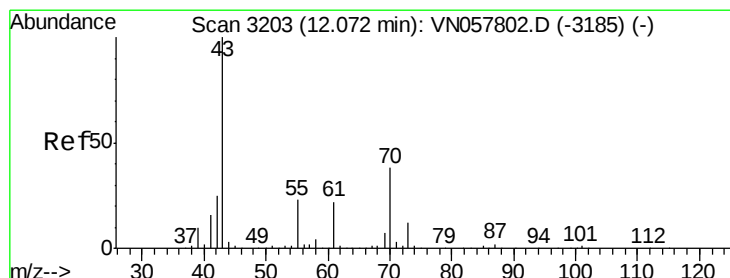
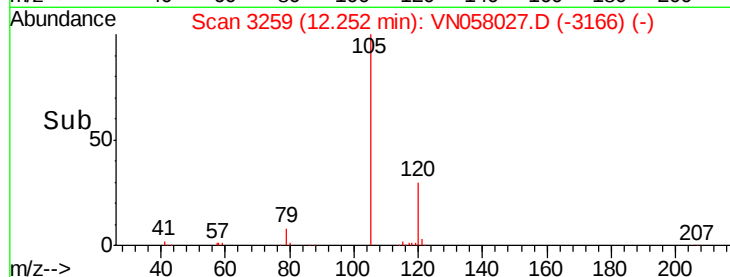
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.523 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Tgt Ion: 43 Resp: 196793

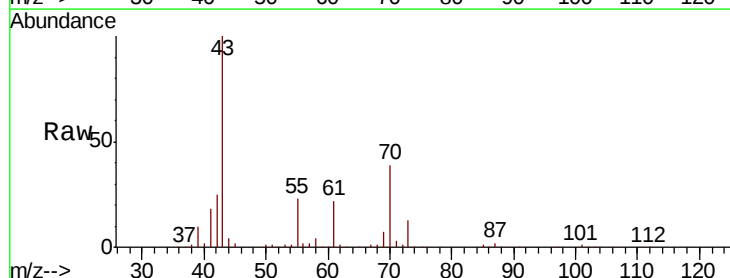
Ion Ratio Lower Upper

43 100

70 38.6 30.6 45.8

55 23.8 18.6 27.8

61 21.8 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

12.07

200000

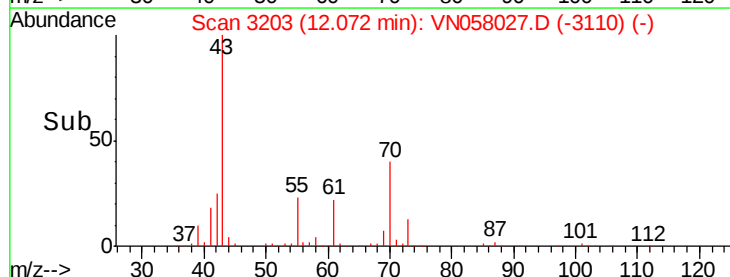
150000

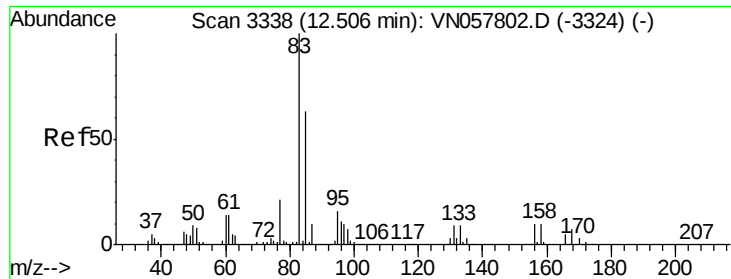
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.585 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

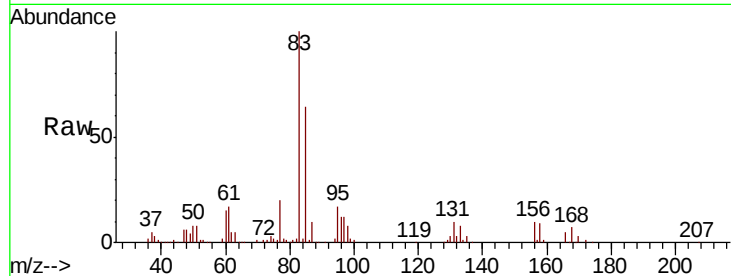
Tgt Ion: 83 Resp: 145295

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.3

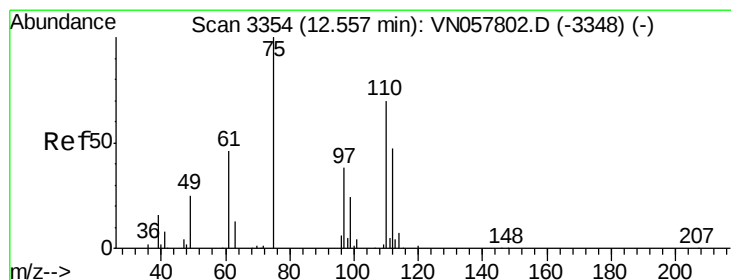
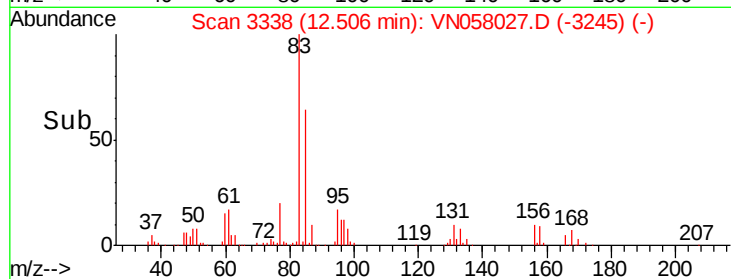
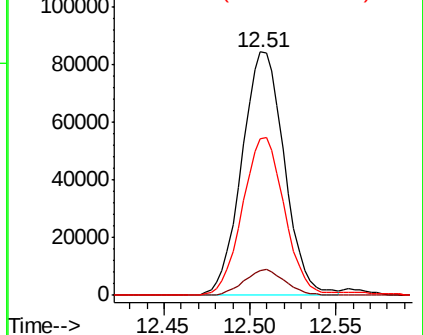
85 63.7 31.6 94.7



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: 26.654 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058027.D

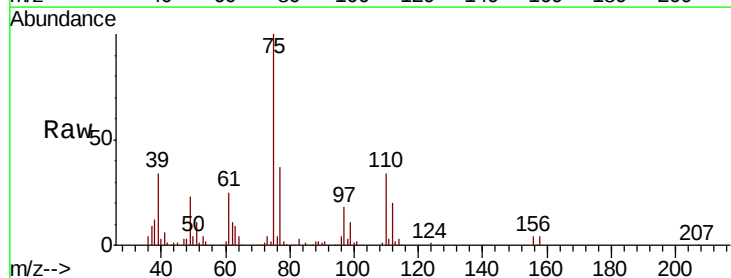
Acq: 13 Sep 2019 19:23

Tgt Ion: 75 Resp: 171203

Ion Ratio Lower Upper

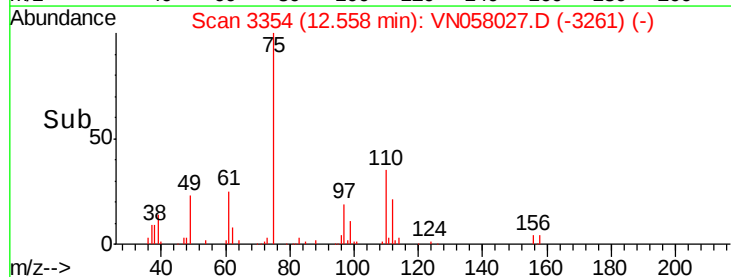
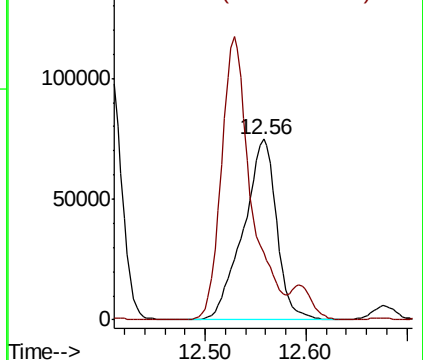
75 100

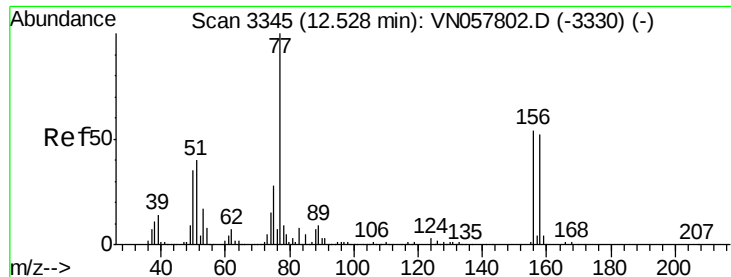
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.818 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

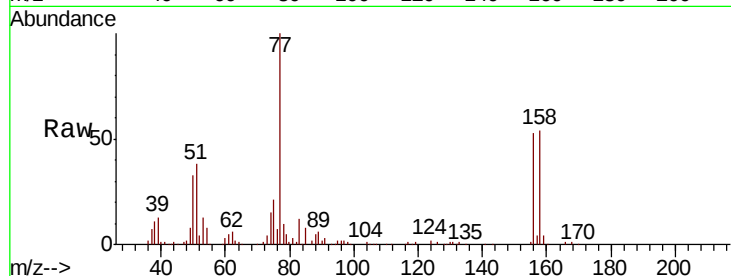
Tgt Ion:156 Resp: 108866

Ion Ratio Lower Upper

156 100

77 221.5 113.7 341.1

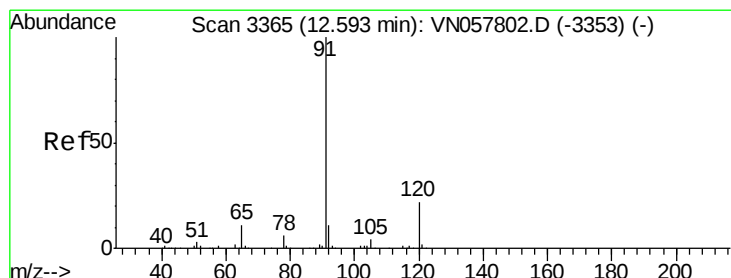
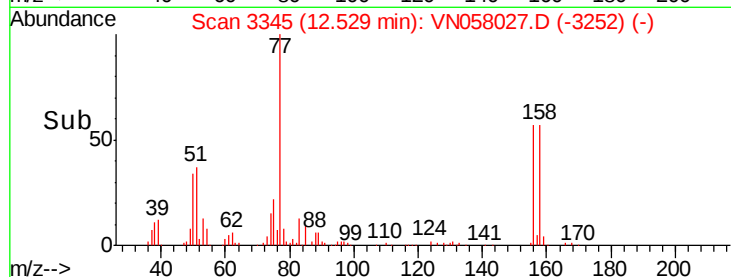
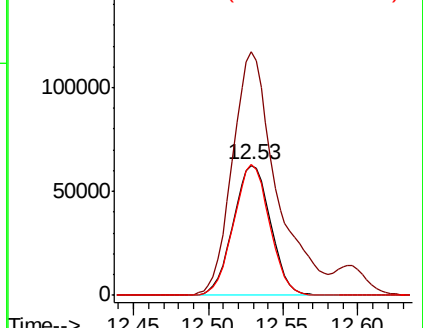
158 97.2 48.5 145.6



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: 21.381 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058027.D

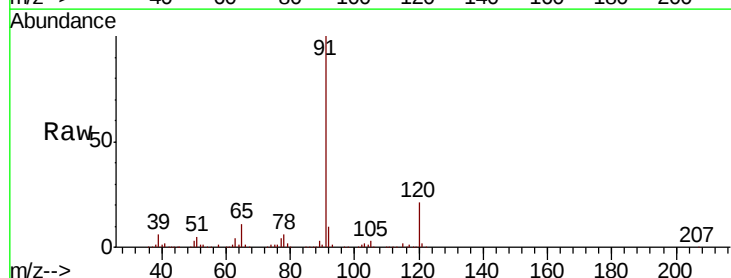
Acq: 13 Sep 2019 19:23

Tgt Ion: 91 Resp: 540949

Ion Ratio Lower Upper

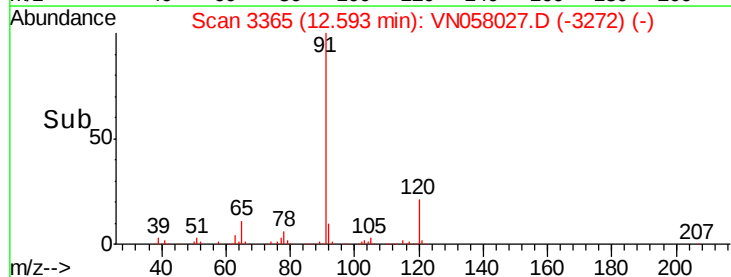
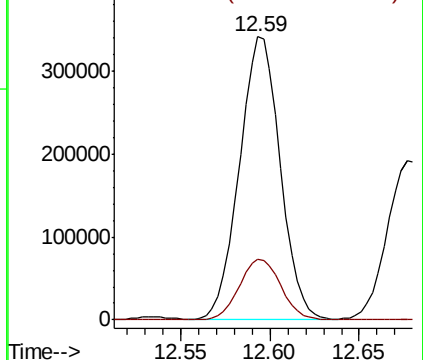
91 100

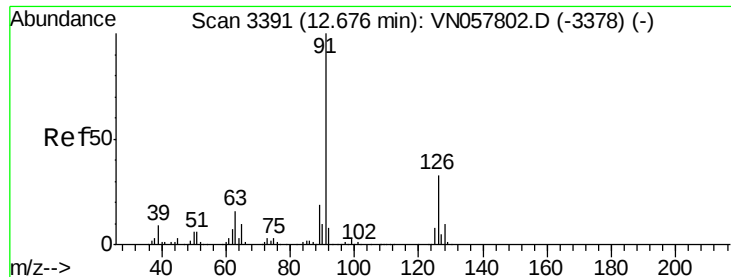
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

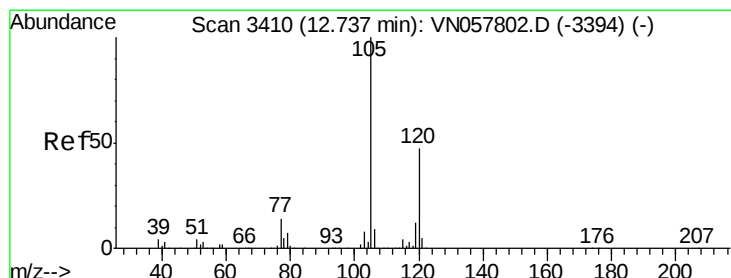
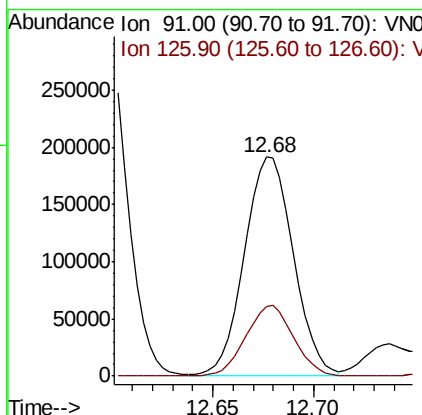
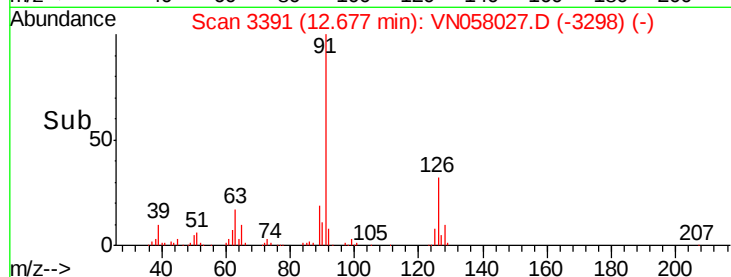
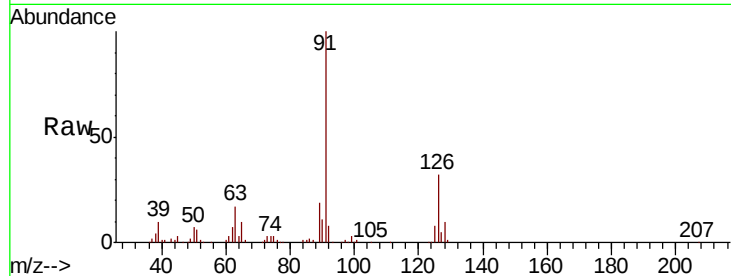




#79
 2-Chlorotoluene
 Concen: 20.212 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

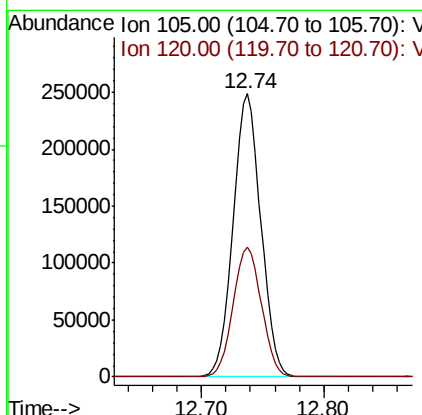
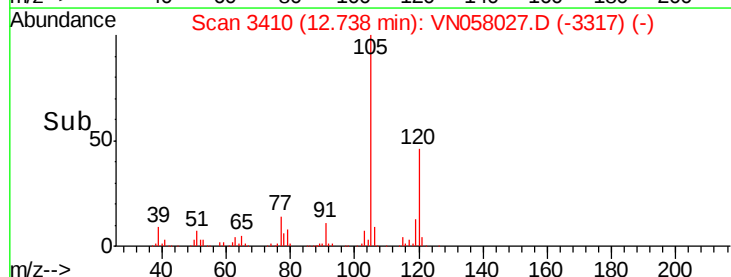
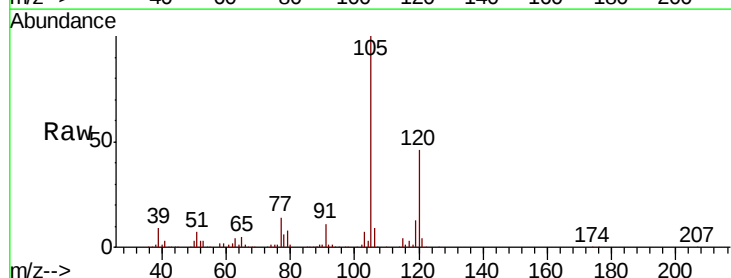
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

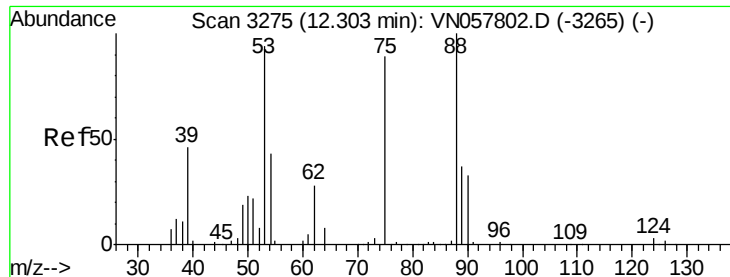
Tgt Ion: 91 Resp: 323209
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.101 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion: 105 Resp: 392835
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.524 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

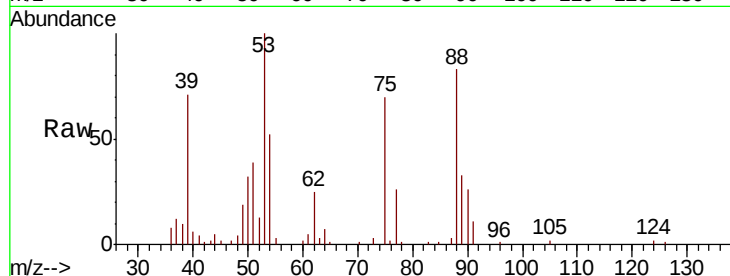
Tgt Ion: 75 Resp: 28336

Ion Ratio Lower Upper

75 100

53 133.1 88.4 132.6#

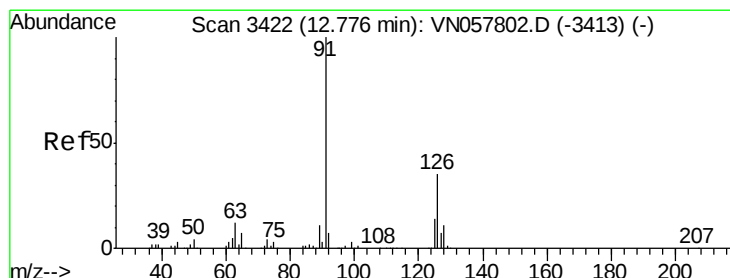
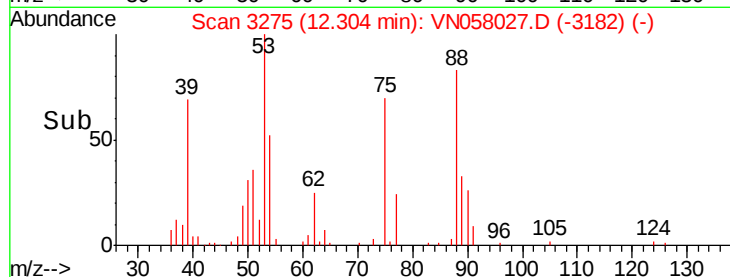
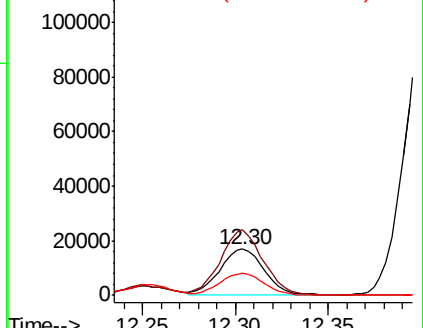
89 47.6 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.331 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058027.D

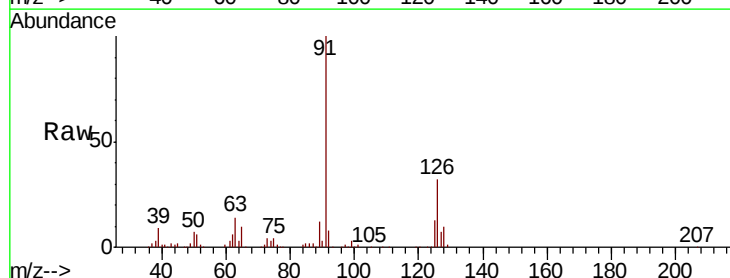
Acq: 13 Sep 2019 19:23

Tgt Ion: 91 Resp: 333865

Ion Ratio Lower Upper

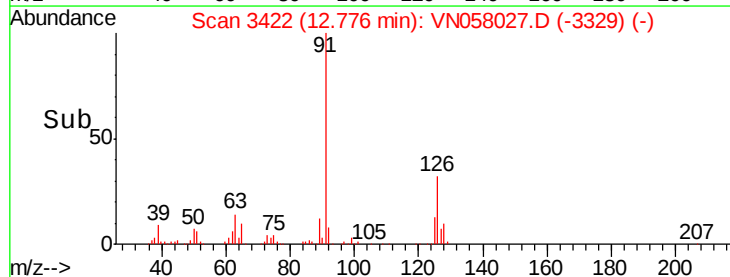
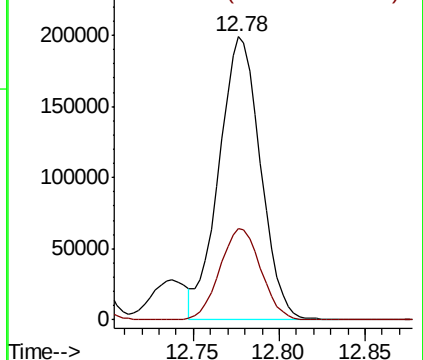
91 100

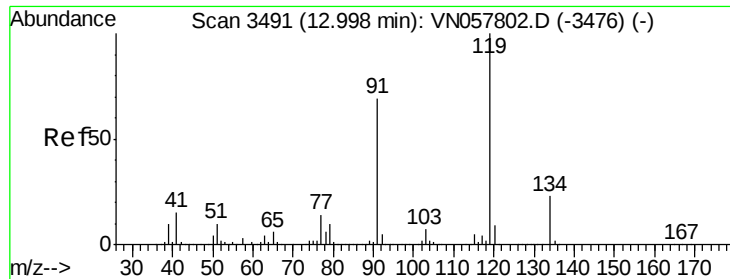
126 32.1 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

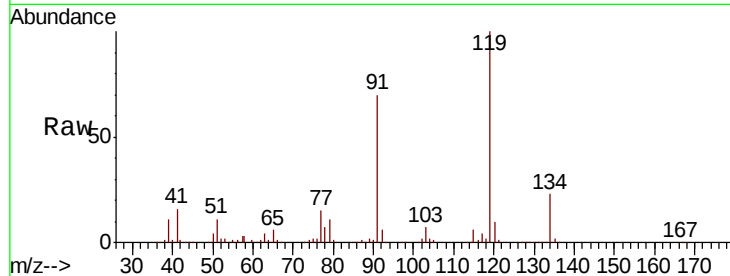




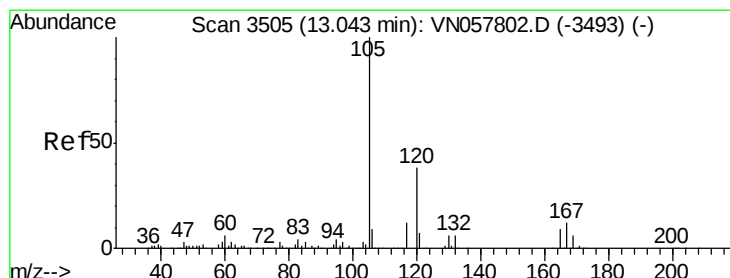
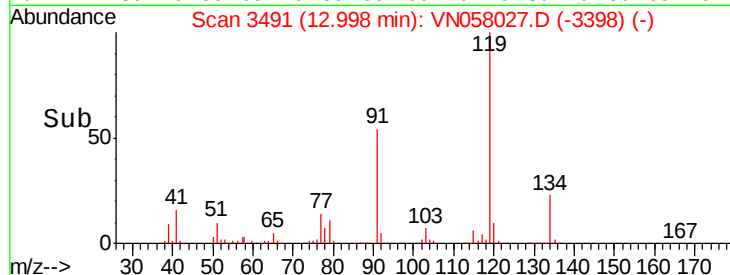
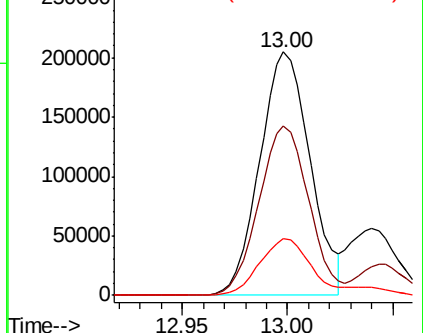
#83
 tert-Butylbenzene
 Concen: 20.628 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

Tgt Ion:119 Resp: 341357
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.6 100.8
 134 23.4 11.7 35.0

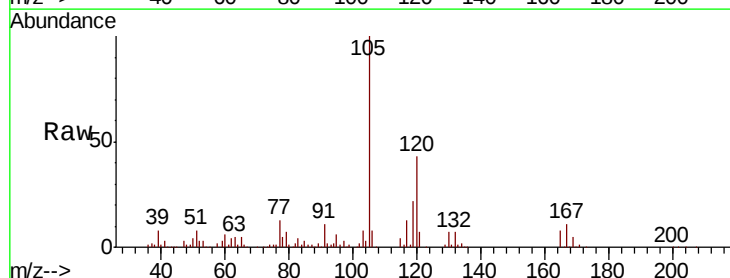


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

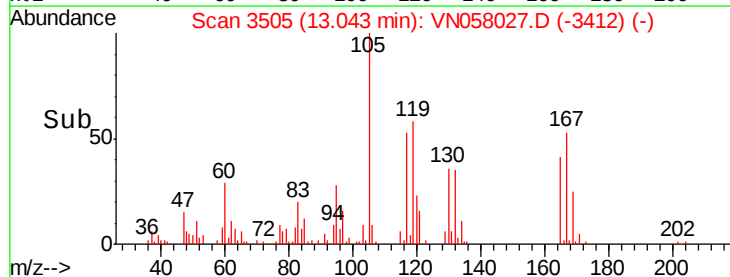
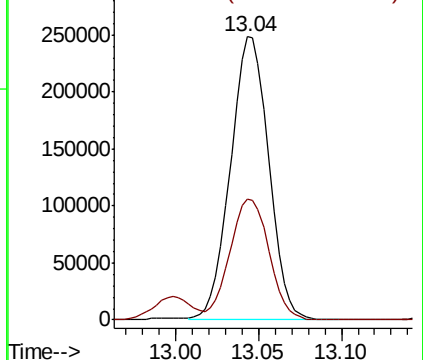


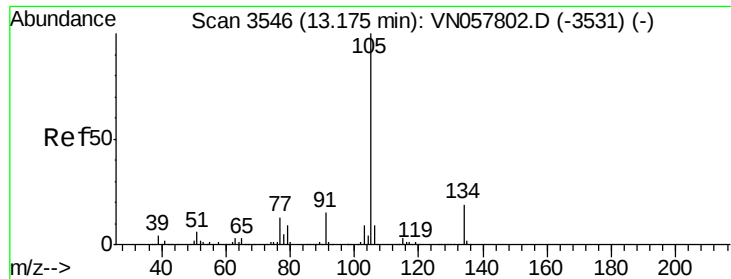
#84
 1,2,4-Trimethylbenzene
 Concen: 21.000 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion:105 Resp: 397332
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

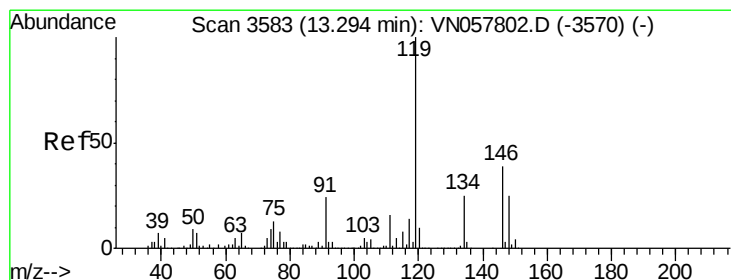
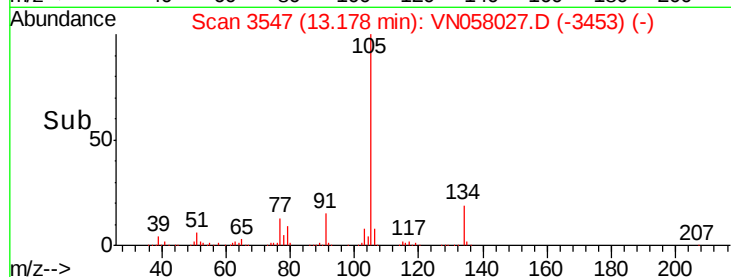
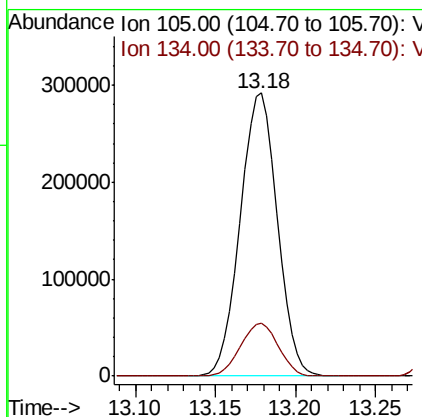
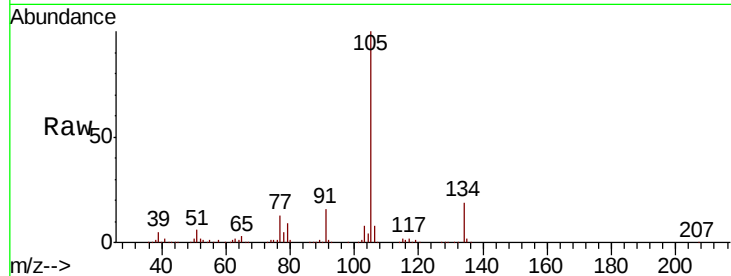




#85
 sec-Butylbenzene
 Concen: 21.009 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

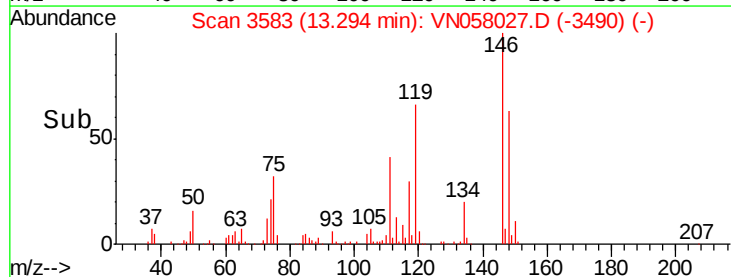
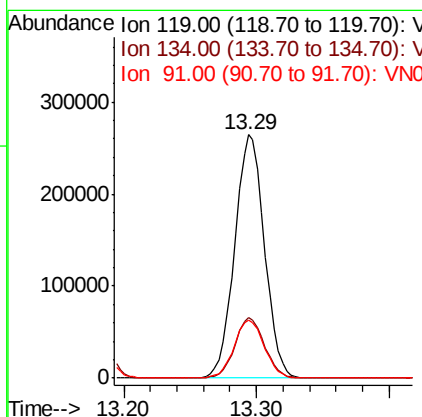
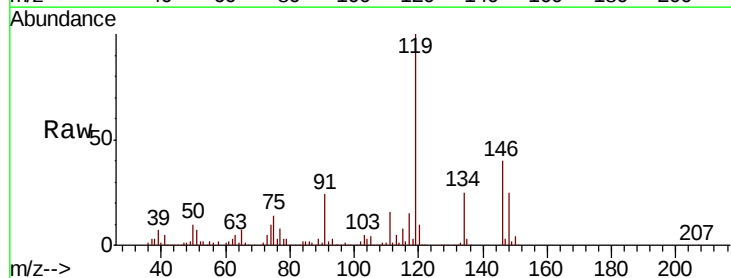
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

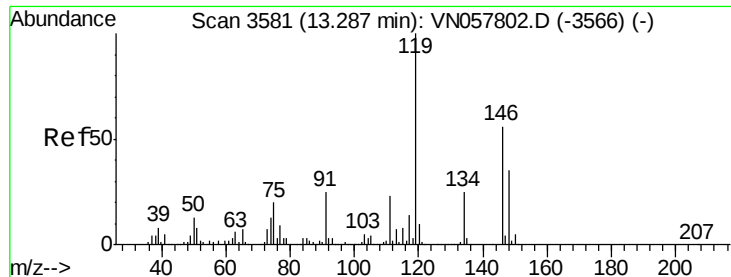
Tgt Ion:105 Resp: 460815
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 21.166 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion:119 Resp: 409045
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 24.2 12.3 36.8

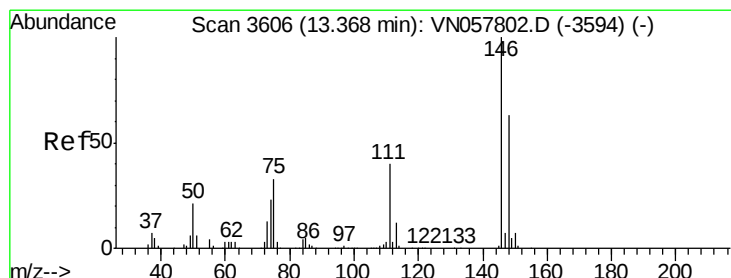
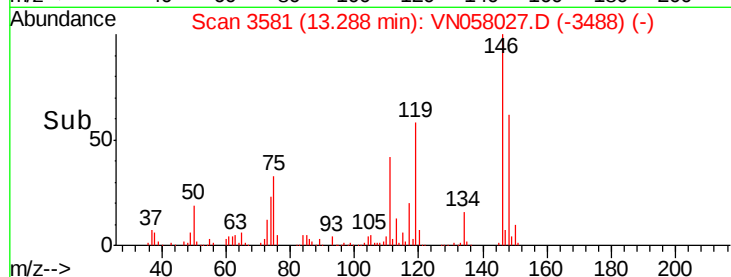
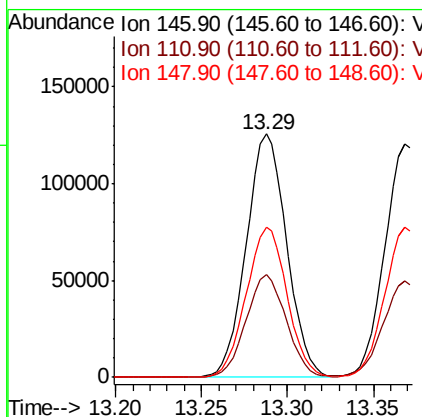
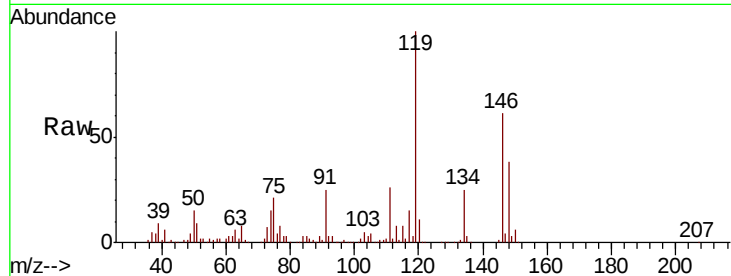




#87
 1,3-Dichlorobenzene
 Concen: 20.309 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

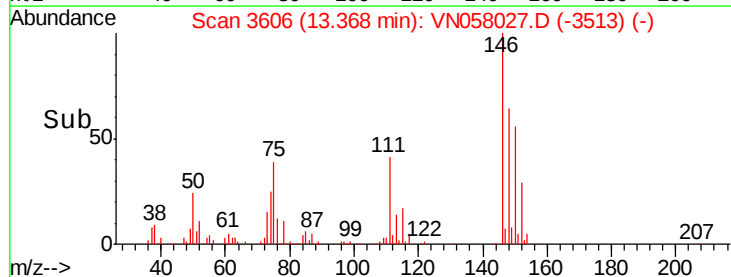
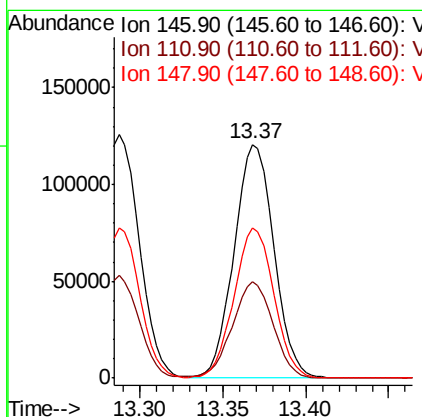
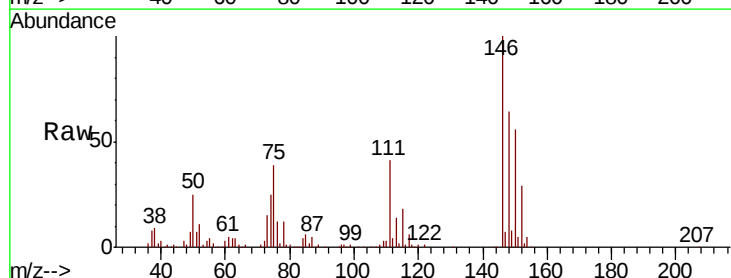
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

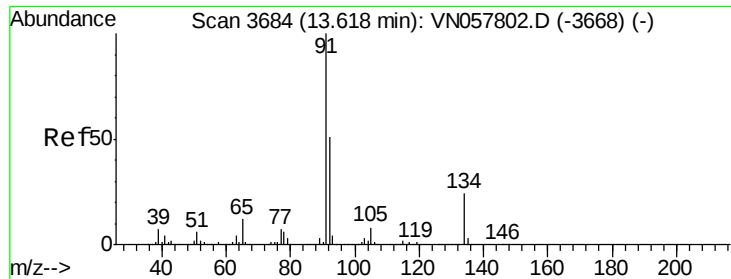
Tgt Ion:146 Resp: 204775
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.5 61.6
 148 62.3 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.663 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion:146 Resp: 201243
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.4 61.2
 148 64.3 31.8 95.4





#89

n-Butylbenzene

Concen: 20.110 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

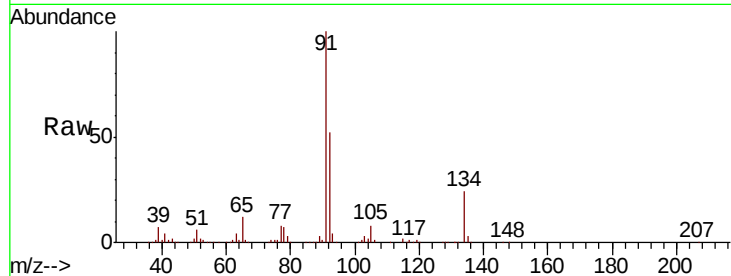
Tgt Ion: 91 Resp: 367019

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.0

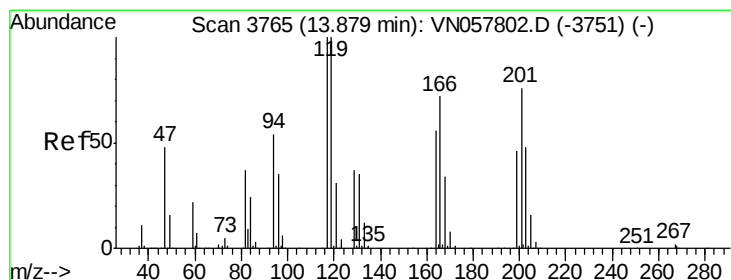
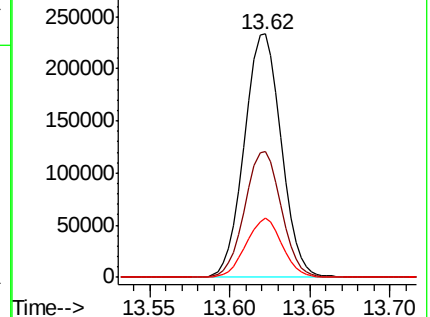
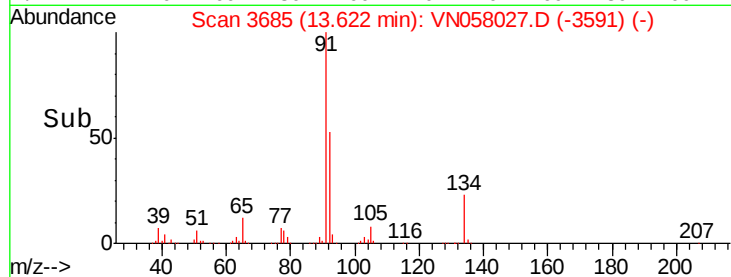
134 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN058027.D (-3684) (-)

Ion 92.00 (91.70 to 92.70): VN058027.D (-3684) (-)

Ion 134.00 (133.70 to 134.70): VN058027.D (-3684) (-)



#90

Hexachloroethane

Concen: 18.945 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058027.D

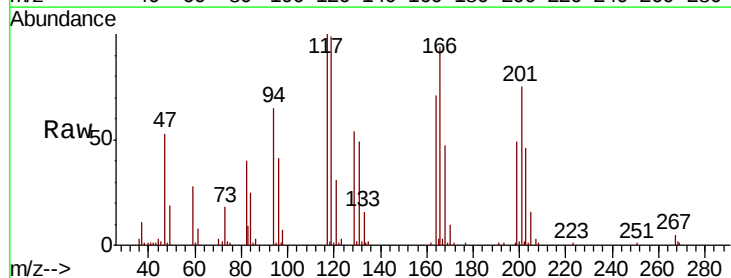
Acq: 13 Sep 2019 19:23

Tgt Ion: 117 Resp: 54450

Ion Ratio Lower Upper

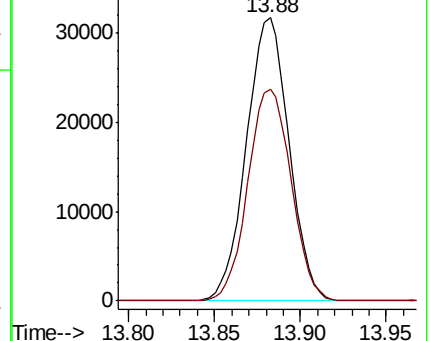
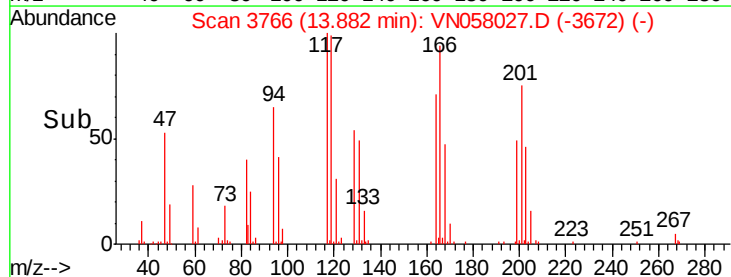
117 100

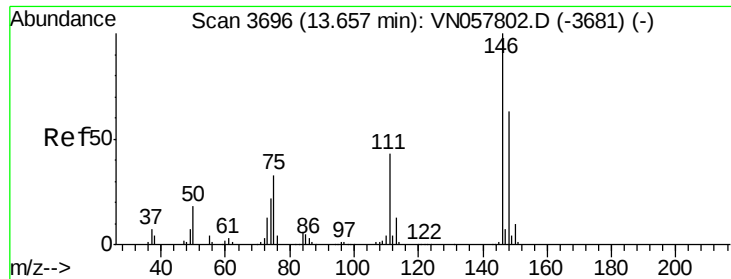
201 75.9 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN058027.D (-3765) (-)

Ion 200.70 (200.40 to 201.40): VN058027.D (-3765) (-)





#91

1,2-Dichlorobenzene

Concen: 20.143 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

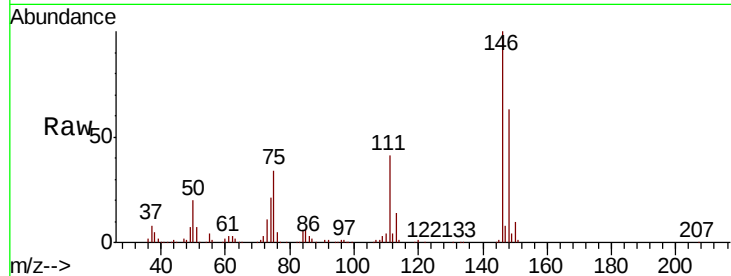
Tgt Ion:146 Resp: 202903

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.9

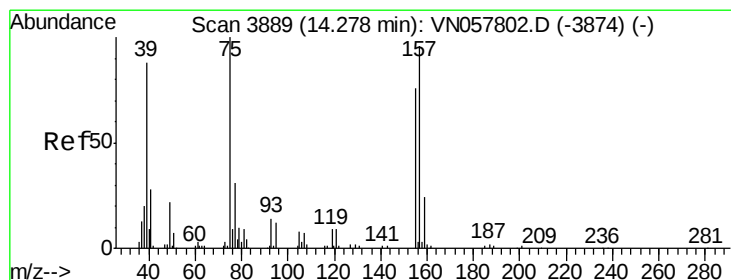
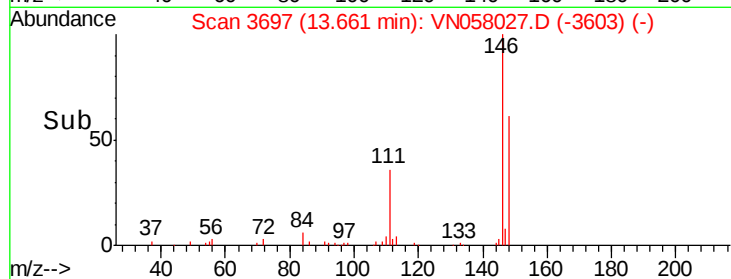
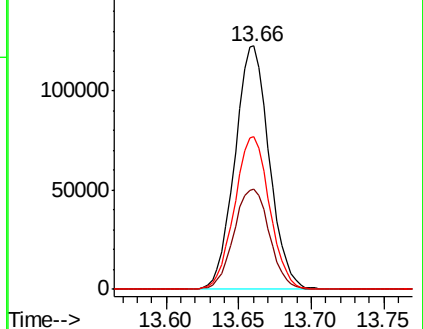
148 63.7 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.924 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

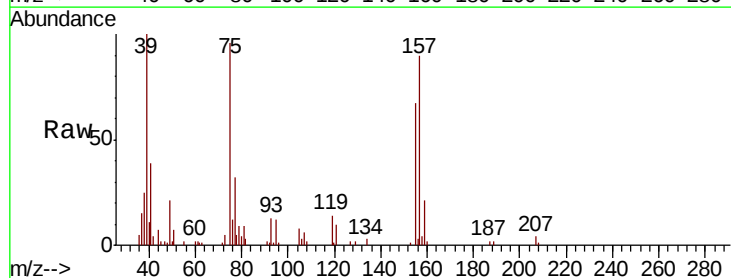
Tgt Ion: 75 Resp: 23184

Ion Ratio Lower Upper

75 100

155 72.0 37.3 111.8

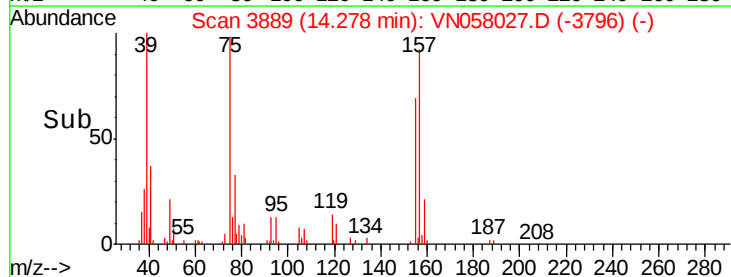
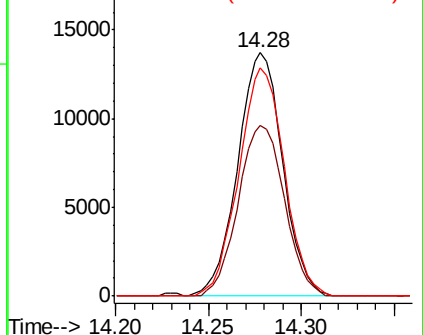
157 94.9 47.9 143.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

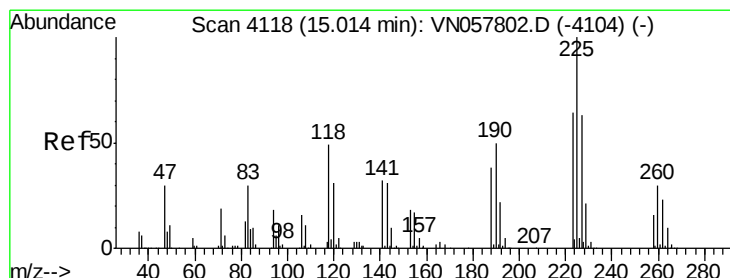
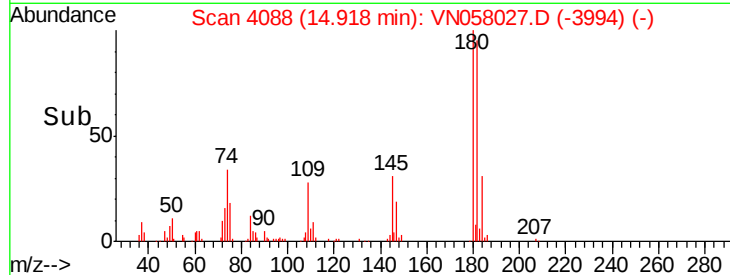
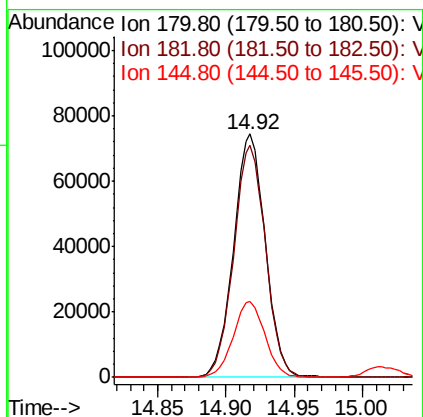
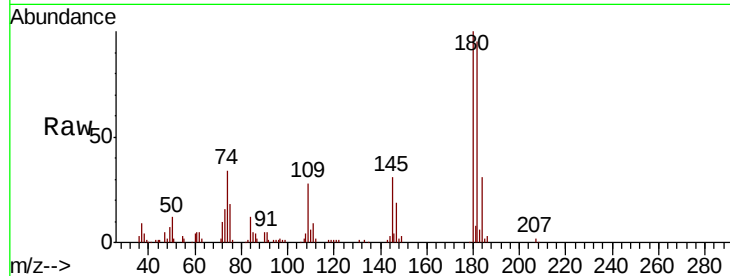




#93
 1,2,4-Trichlorobenzene
 Concen: 18.241 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

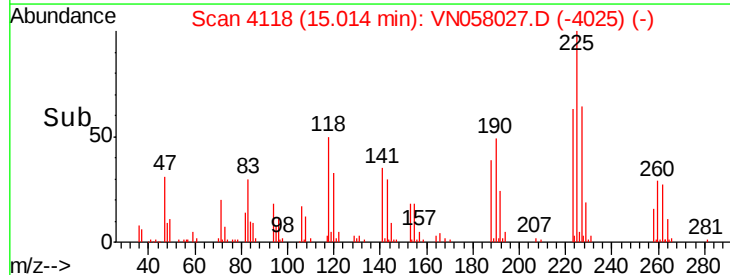
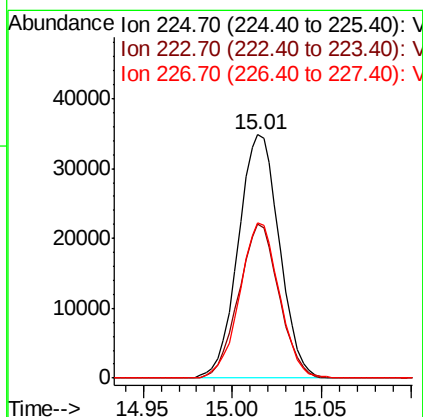
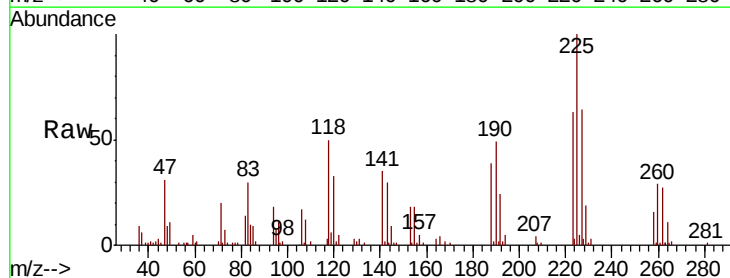
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD03

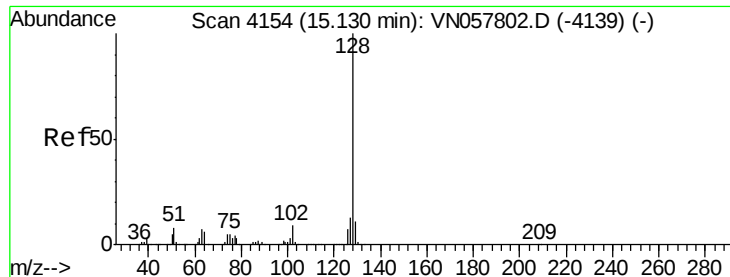
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.8
145	31.2	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 20.094 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058027.D
 Acq: 13 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.4	97.2
227	61.4	31.8	95.4





#95

Naphthalene

Concen: 18.519 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD03

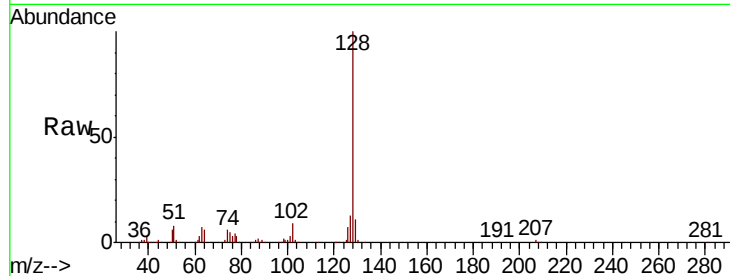
Tgt Ion:128 Resp: 324270

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.8 8.6 12.8

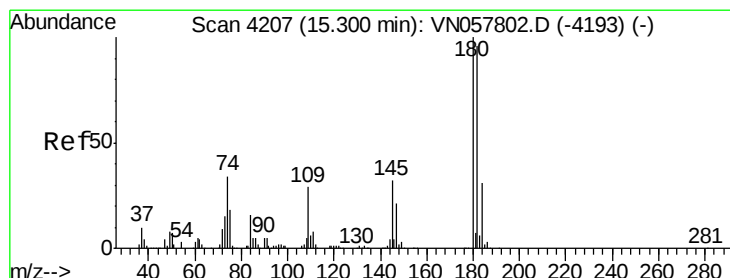
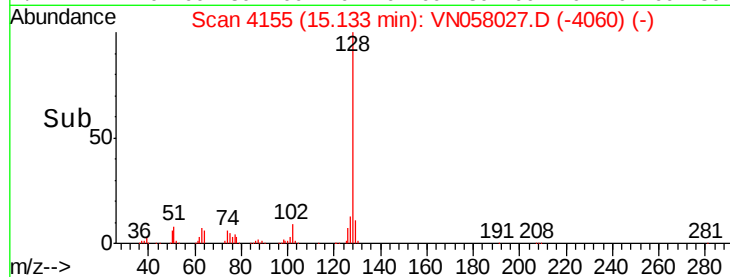
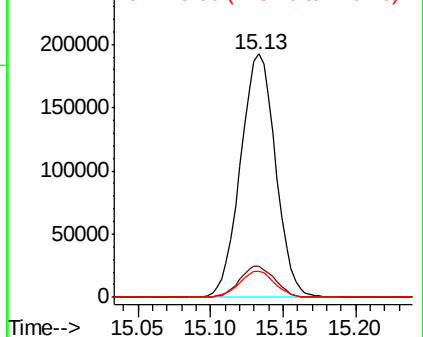


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.782 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058027.D

Acq: 13 Sep 2019 19:23

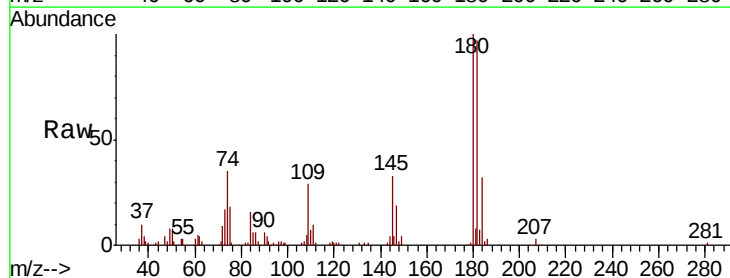
Tgt Ion:180 Resp: 110166

Ion Ratio Lower Upper

180 100

182 95.8 48.3 144.8

145 33.0 16.3 48.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

