

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058564.D
 Acq On : 7 Oct 2019 14:01
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 13:53:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73616	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424491	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	381481	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	193117	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	12.41	95	191995	29.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.97%
63) Toluene-d8	10.08	98	538737	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	88850	20.070 ug/l	100
3) Chloromethane	2.04	50	116888	22.867 ug/l	100
4) Vinyl Chloride	2.17	62	109314	21.432 ug/l	98
5) Bromomethane	2.55	94	56523	20.409 ug/l	98
6) Chloroethane	2.68	64	66797	22.160 ug/l	97
7) Trichlorofluoromethane	3.00	101	129662	21.590 ug/l	99
8) Diethyl Ether	3.39	74	53283	19.958 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82296	19.907 ug/l	99
10) 1,1-Dichloroethene	3.72	96	78356	19.389 ug/l	99
11) Methyl Iodide	3.93	142	71682	17.300 ug/l	98
12) Methyl Acetate	4.30	43	111679	20.748 ug/l	99
13) Acrolein	3.59	56	33072	216.079 ug/l	97
14) Acrylonitrile	4.96	53	222246	100.000 ug/l	99
15) Acetone	3.80	58	61851	100.370 ug/l	96
16) Carbon Disulfide	4.03	76	223365	19.889 ug/l	99
17) Allyl chloride	4.30	41	158736	21.028 ug/l	96
18) Methylene Chloride	4.53	84	98536	20.669 ug/l	97
19) trans-1,2-Dichloroethene	5.02	96	88347	19.500 ug/l	93
20) Diisopropyl ether	5.93	45	328624	20.431 ug/l	99
21) 1,1-Dichloroethane	5.83	63	181022	20.112 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	105338	20.016 ug/l	99
23) tert-Butyl Alcohol	4.76	59	82313	100.328 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	299557	20.650 ug/l	98
25) Chloroform	7.36	83	183249	20.106 ug/l	99
26) Cyclohexane	7.64	56	156705	18.627 ug/l	# 96
29) 1,1-Dichloropropene	7.78	75	133717	19.298 ug/l	98
30) 2-Butanone	6.82	43	300699	95.575 ug/l	100
31) 2,2-Dichloropropane	6.80	77	159720	22.390 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	158313	21.183 ug/l	99
33) Carbon Tetrachloride	7.76	117	134657	21.207 ug/l	96
34) Benzene	8.03	78	393524	20.020 ug/l	98
35) Methacrylonitrile	7.19	41	190262	70.308 ug/l	# 62
36) 1,2-Dichloroethane	8.11	62	151622	19.691 ug/l	99
37) Trichloroethene	8.82	130	100361	20.395 ug/l	97
38) Methylcyclohexane	9.07	83	153455	18.315 ug/l	98
39) 1,2-Dichloropropane	9.11	63	108744	20.282 ug/l	99
40) Dibromomethane	9.20	93	67733	20.016 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	138122	20.650	ug/l	98
42) Vinyl Acetate	5.88	43	1339269	111.487	ug/l	100
43) Ethyl Acetate	6.91	43	134152	21.475	ug/l	99
44) Isopropyl Acetate	8.15	43	222608	19.907	ug/l #	82
45) 1,4-Dioxane	9.19	88	33964	360.023	ug/l	94
46) Methyl methacrylate	9.19	41	100113	18.890	ug/l	98
47) n-amyl Acetate	12.07	43	189621	19.481	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	152375	20.849	ug/l	94
49) cis-1,3-Dichloropropene	9.83	75	166139	20.417	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	97286	20.571	ug/l	98
51) Ethyl methacrylate	10.43	69	142284	19.015	ug/l	97
52) 1,3-Dichloropropane	10.71	76	170285	20.274	ug/l	99
53) Dibromochloromethane	10.90	129	96504	20.312	ug/l	98
54) 1,2-Dibromoethane	11.01	107	95906	19.872	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	361959	114.242	ug/l	99
56) Bromoform	12.13	173	61594	20.553	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	639784	107.034	ug/l	100
59) 2-Hexanone	10.75	43	456234	100.963	ug/l	100
61) Tetrachloroethene	10.63	164	84962	21.259	ug/l	97
62) Toluene	10.15	91	419656	20.086	ug/l	99
64) Chlorobenzene	11.44	112	258429	20.128	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	93858	20.853	ug/l	99
66) Ethyl Benzene	11.51	91	474098	20.810	ug/l	99
67) m/p-Xylenes	11.62	106	343212	39.240	ug/l	100
68) o-Xylene	11.95	106	166960	19.631	ug/l	96
69) Styrene	11.97	104	268267	18.863	ug/l	99
70) Isopropylbenzene	12.26	105	453897	20.595	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	138914	19.831	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	181637	30.151	ug/l	59
73) Bromobenzene	12.53	156	105124	19.692	ug/l	97
74) n-propylbenzene	12.60	91	528584	20.804	ug/l	100
75) 2-Chlorotoluene	12.68	91	317967	20.006	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	378914	19.967	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	37962	19.318	ug/l	89
78) 4-Chlorotoluene	12.78	91	320559	19.679	ug/l	99
79) tert-butylbenzene	13.00	119	318272	19.371	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	380281	20.076	ug/l	99
81) sec-Butylbenzene	13.18	105	431737	20.034	ug/l	99
82) p-Isopropyltoluene	13.30	119	385462	19.862	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	190217	19.313	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	185599	18.934	ug/l	99
85) n-Butylbenzene	13.62	91	339910	18.852	ug/l	99
86) Hexachloroethane	13.88	117	63736	20.333	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	186584	19.401	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	26752	19.568	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	107338	17.084	ug/l	96
90) Hexachlorobutadiene	15.02	225	51315	16.879	ug/l	96
91) Naphthalene	15.13	128	320283	18.562	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	105961	17.559	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
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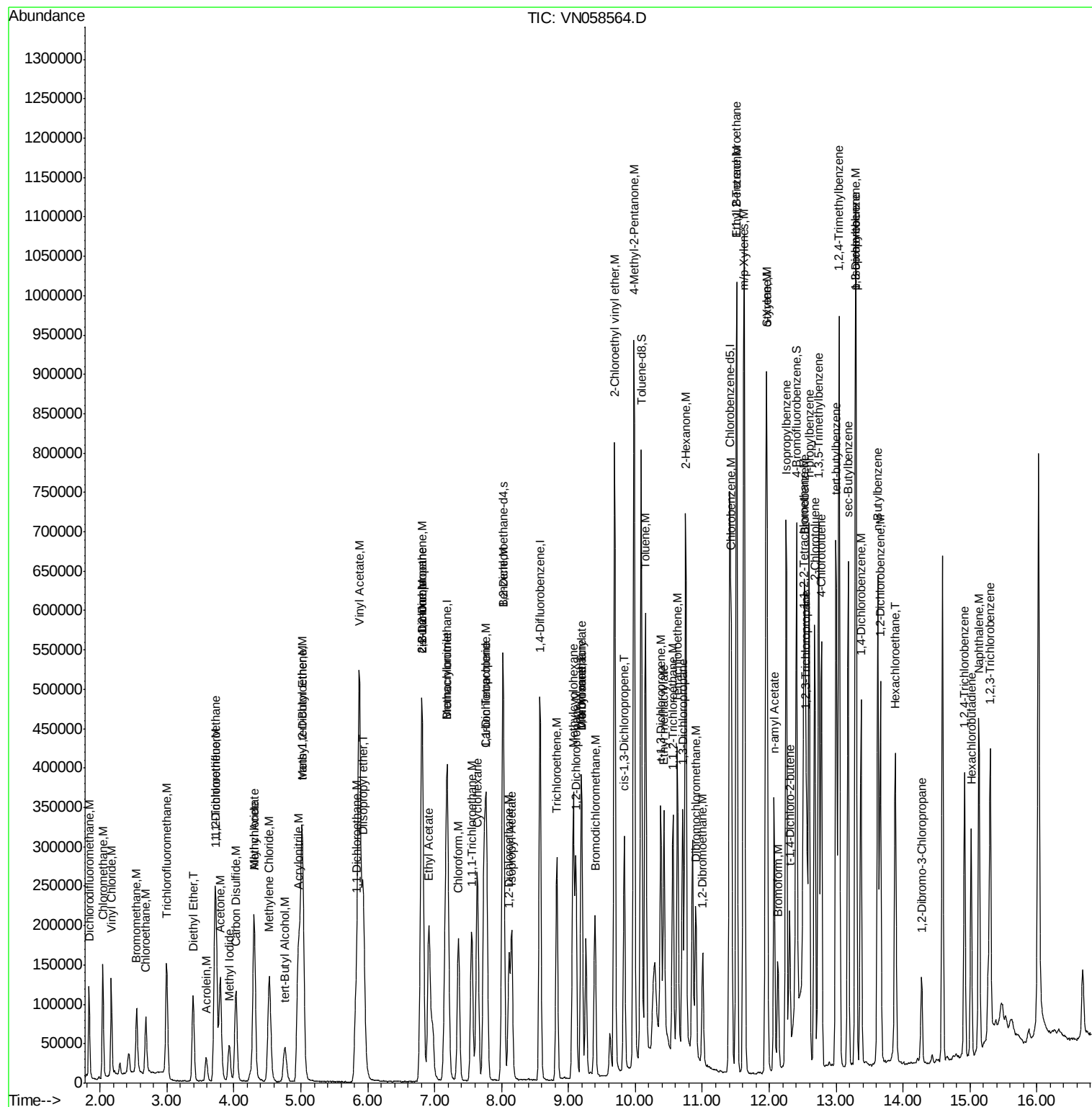
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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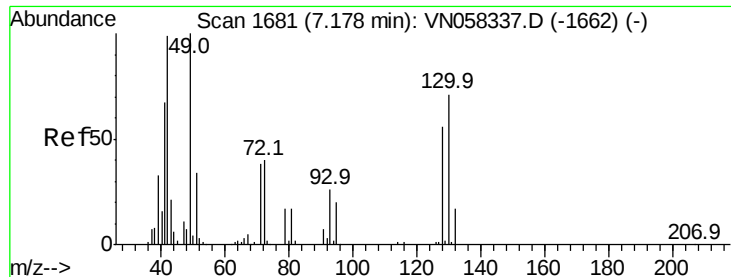
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058564.D
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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 13:53:58 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

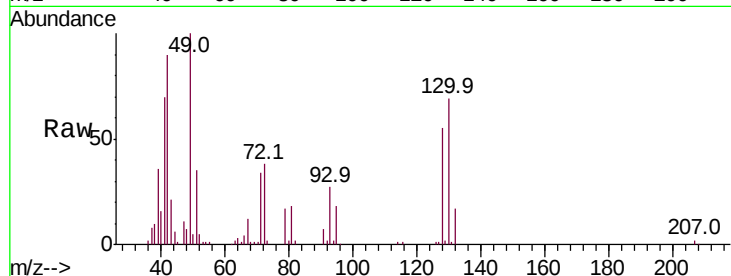
Tot Ion:128 Resp: 73616

Ion Ratio Lower Upper

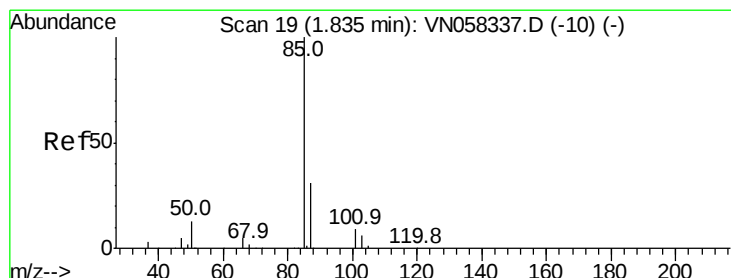
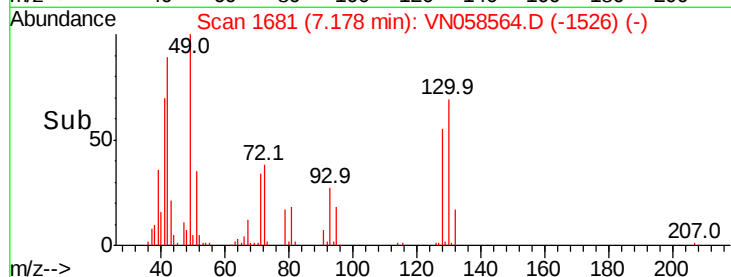
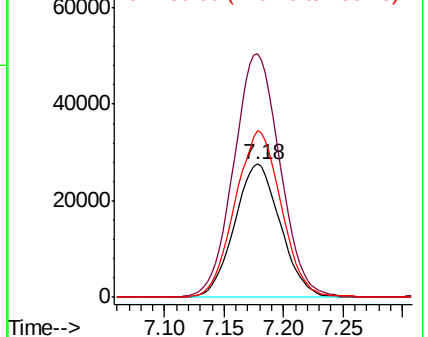
128 100

49 185.1 0.0 458.5

130 126.2 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.070 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058564.D

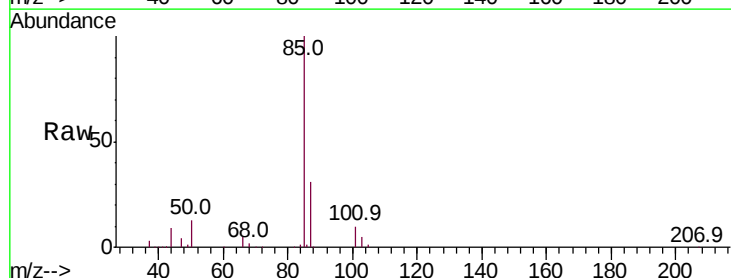
Acq: 7 Oct 2019 14:01

Tgt Ion: 85 Resp: 88850

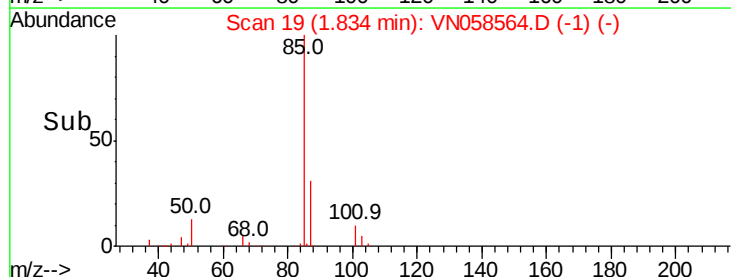
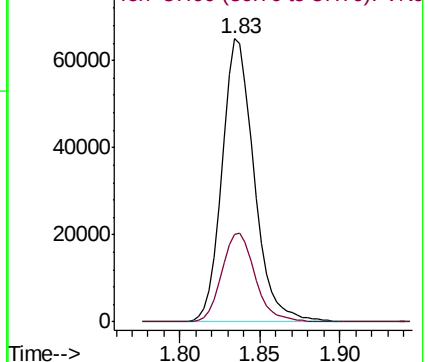
Ion Ratio Lower Upper

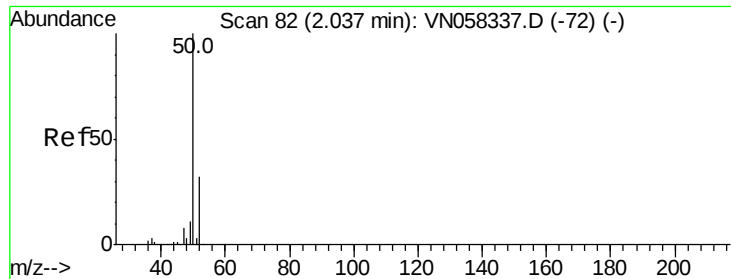
85 100

87 31.0 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 22.867 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

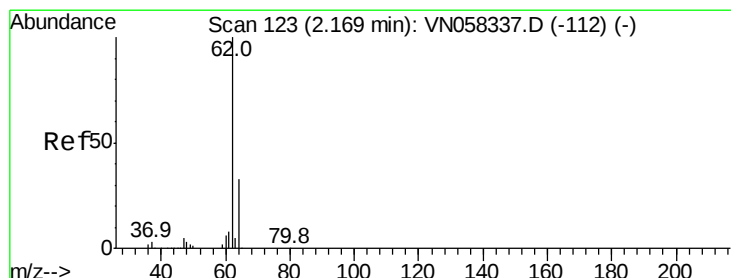
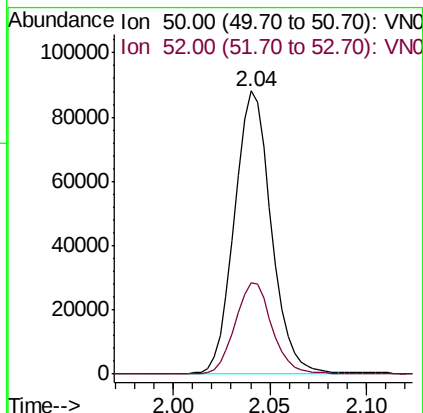
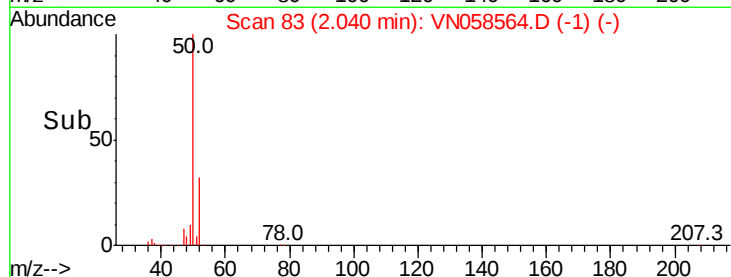
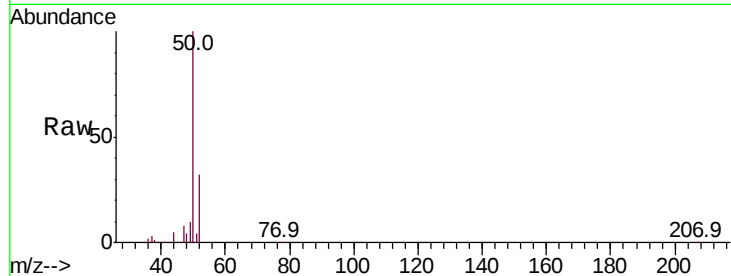
ClientSampleId :

Tot Ion: 50 Resp: 116888

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 21.432 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058564.D

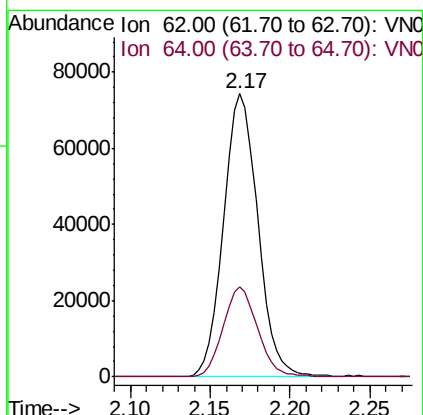
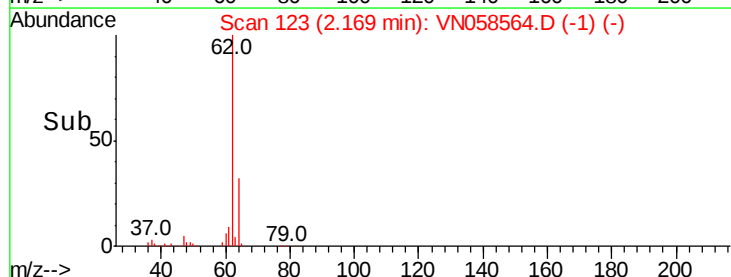
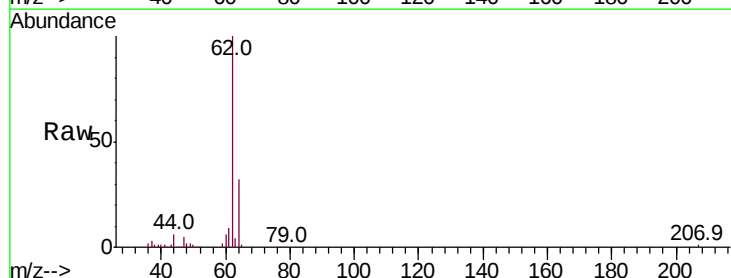
Acq: 7 Oct 2019 14:01

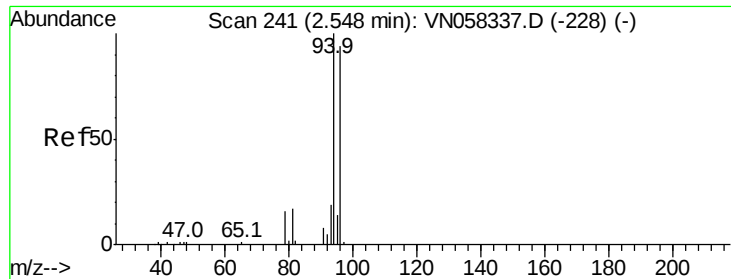
Tgt Ion: 62 Resp: 109314

Ion Ratio Lower Upper

62 100

64 32.0 26.6 40.0





#5

Bromomethane

Concen: 20.409 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

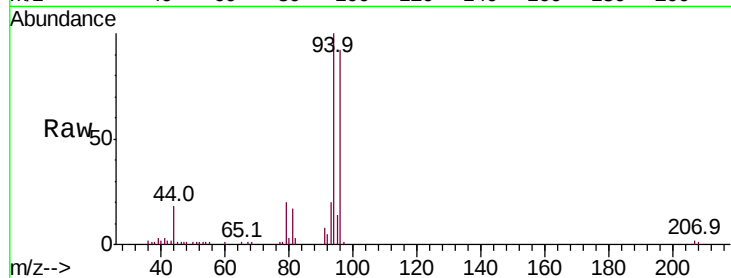
ClientSampleId :

Tot Ion: 94 Resp: 56523

Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

30000

25000

20000

15000

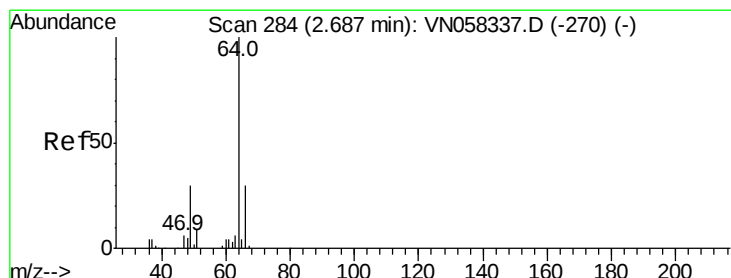
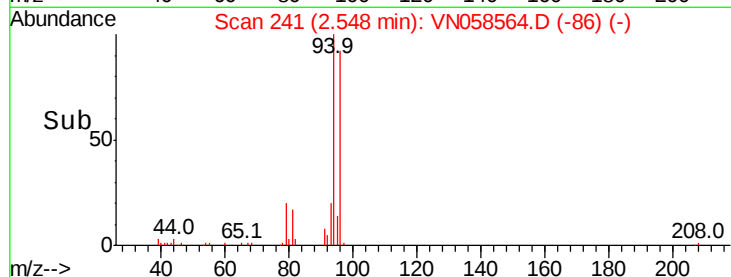
10000

5000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 22.160 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058564.D

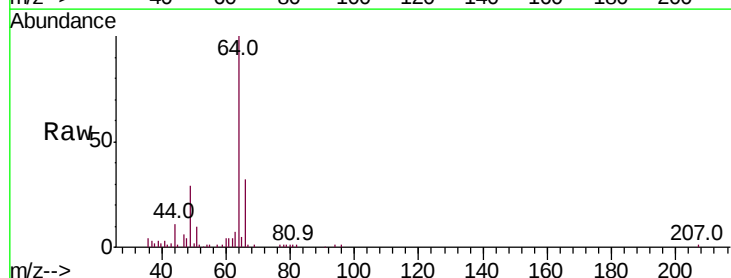
Acq: 7 Oct 2019 14:01

Tgt Ion: 64 Resp: 66797

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

40000

30000

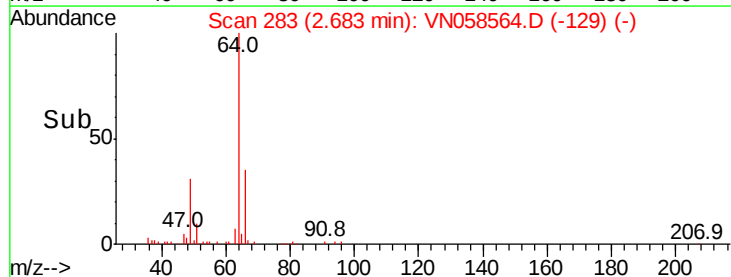
20000

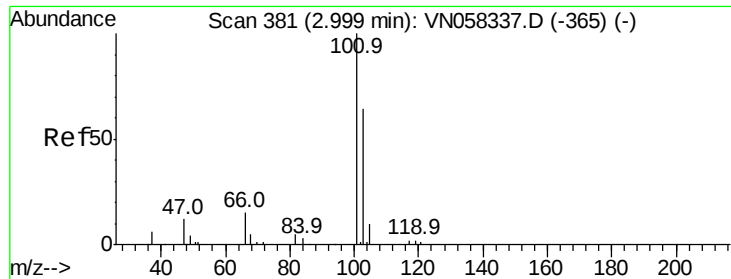
10000

0

2.60 2.65 2.70 2.75 2.80

Time-->



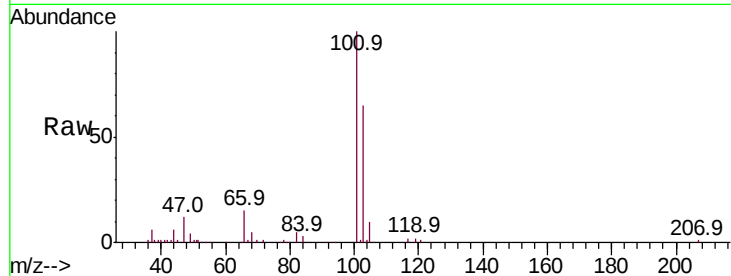


#7

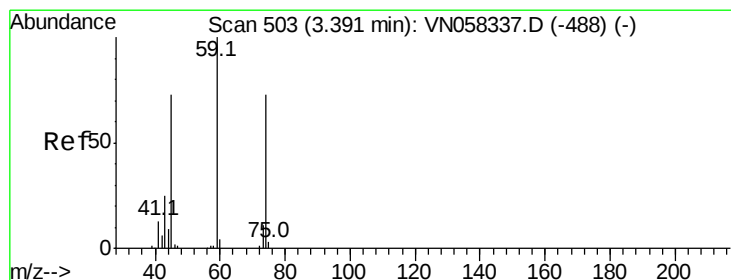
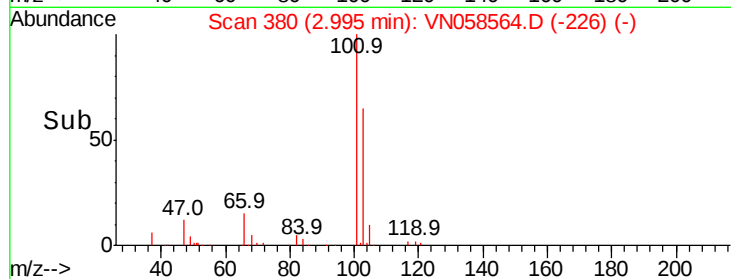
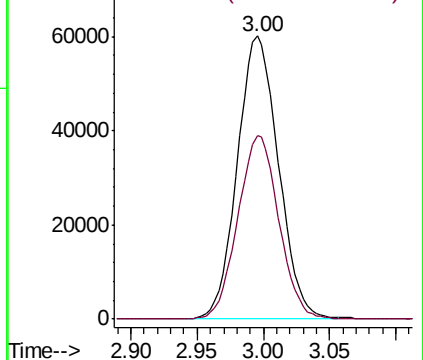
Trichlorofluoromethane
Concen: 21.590 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 129662
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3



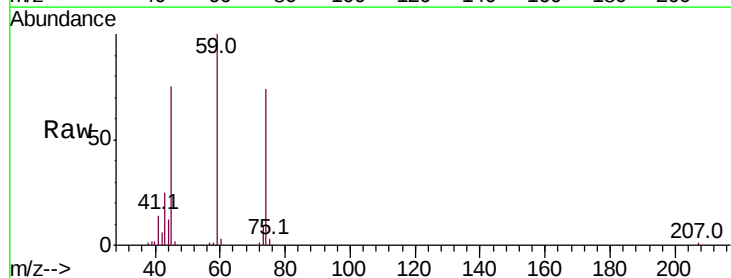
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



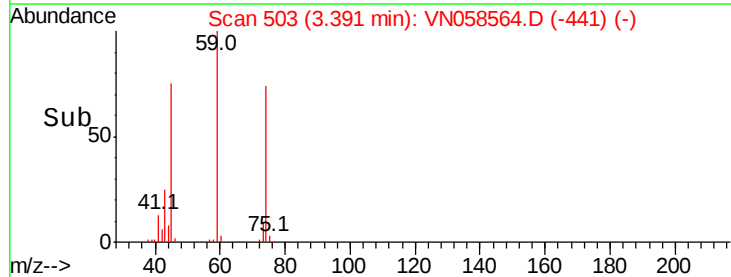
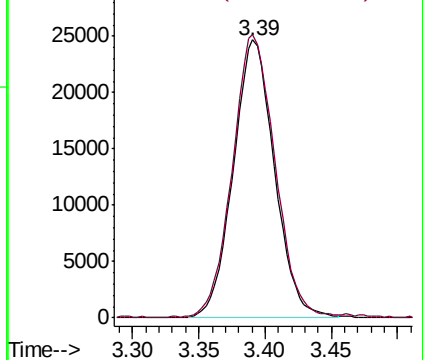
#8

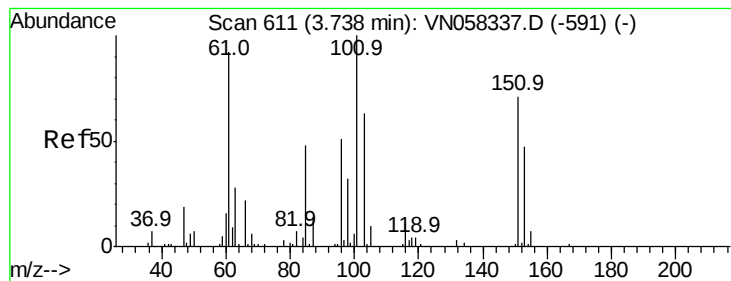
Diethyl Ether
Concen: 19.958 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 74 Resp: 53283
Ion Ratio Lower Upper
74 100
45 105.8 20.8 187.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.907 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

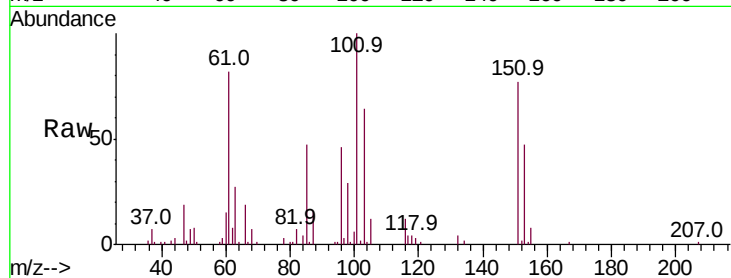
Tot Ion:101 Resp: 82296

Ion Ratio Lower Upper

101 100

85 46.2 0.0 93.0

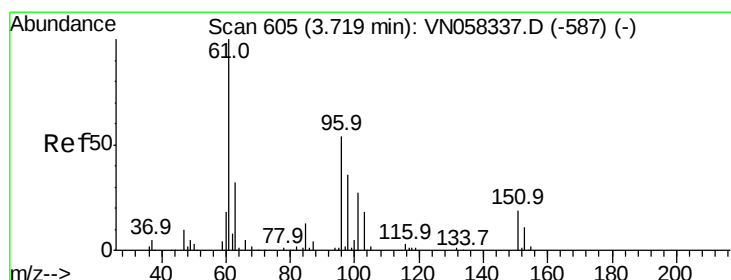
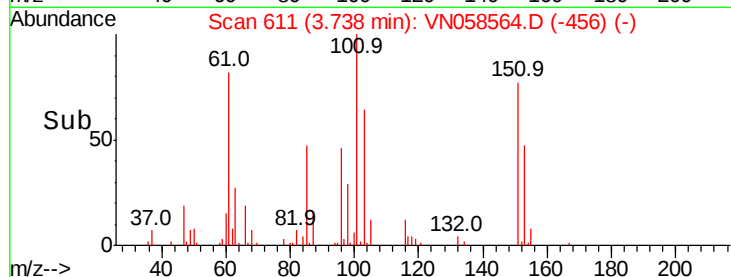
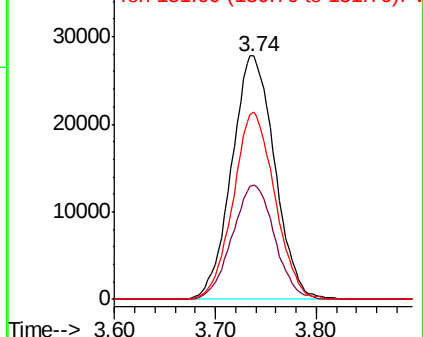
151 74.5 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.389 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

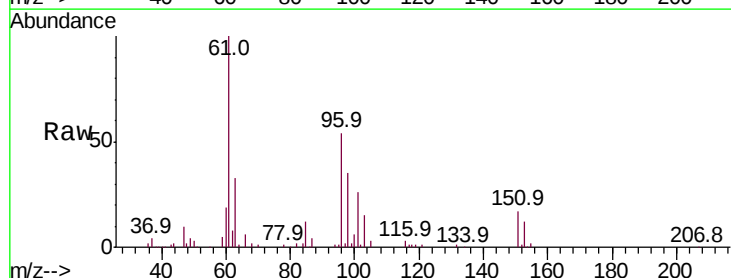
Tgt Ion: 96 Resp: 78356

Ion Ratio Lower Upper

96 100

61 183.3 146.9 220.3

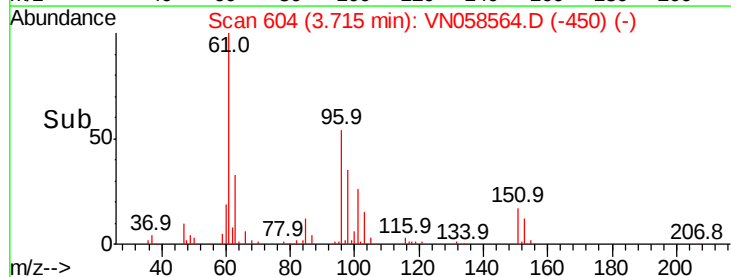
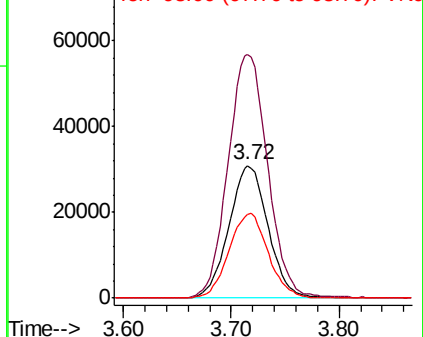
98 63.6 52.3 78.5

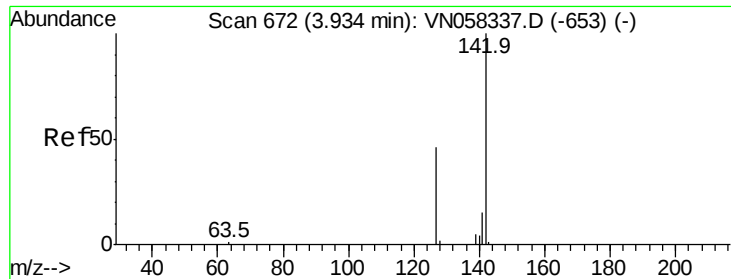


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

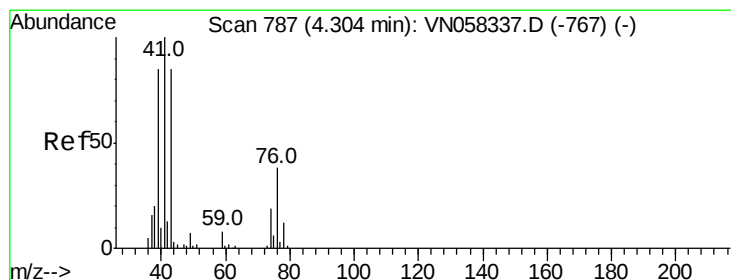
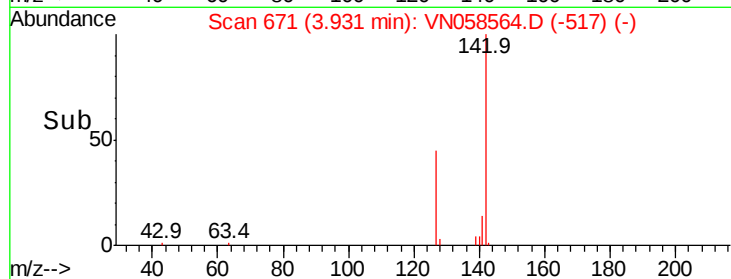
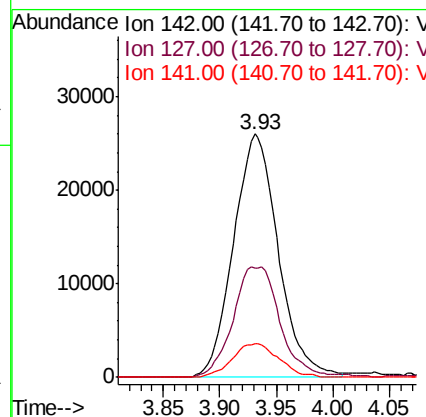
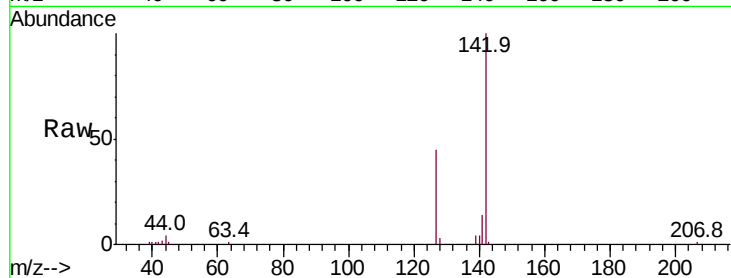




#11
Methvl Iodide
Concen: 17.300 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

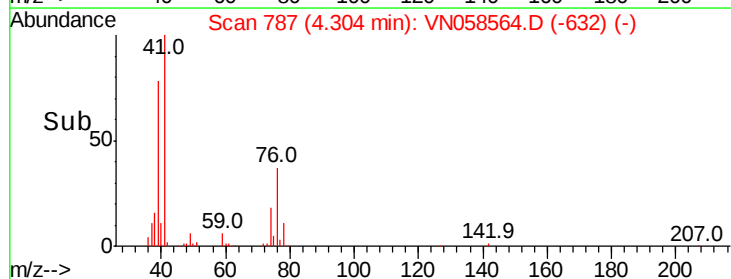
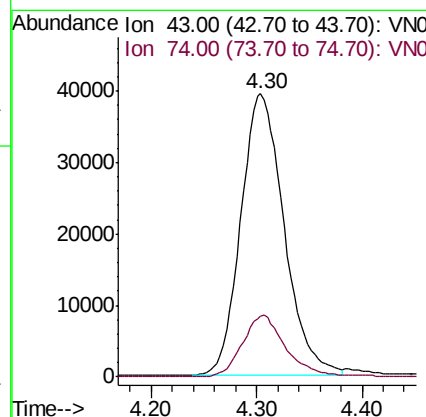
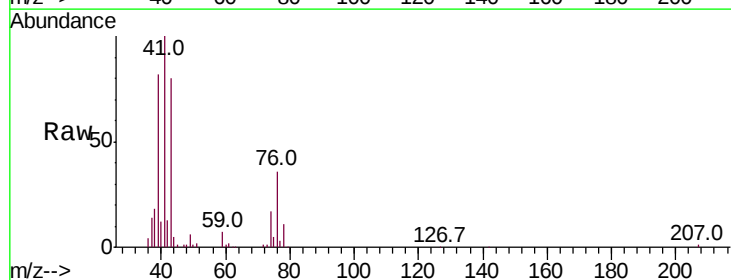
Instrument :
MSVOA_N
ClientSampled :

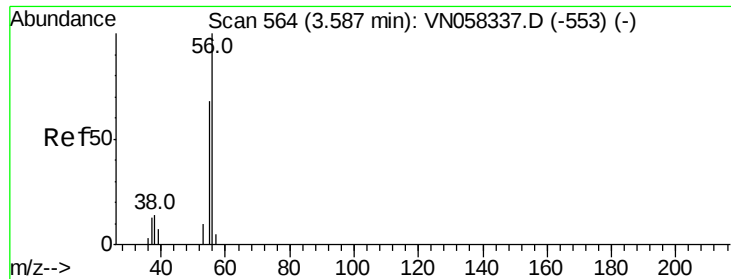
Tot Ion:142 Resp: 71682
Ion Ratio Lower Upper
142 100
127 44.8 22.9 68.7
141 14.0 7.4 22.3



#12
Methyl Acetate
Concen: 20.748 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 43 Resp: 111679
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.6





#13

Acrolein

Concen: 216.079 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

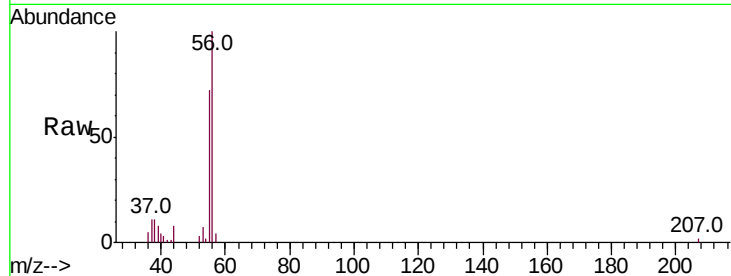
ClientSampleId :

Tot Ion: 56 Resp: 33072

Ion Ratio Lower Upper

56 100

55 70.4 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

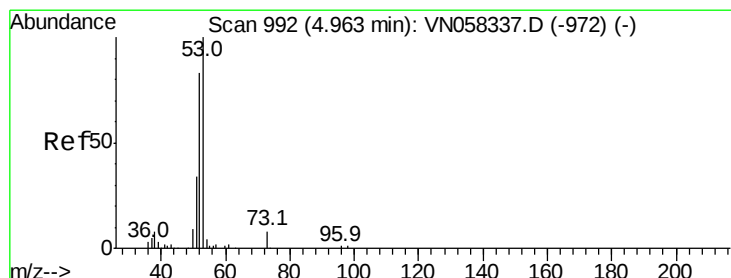
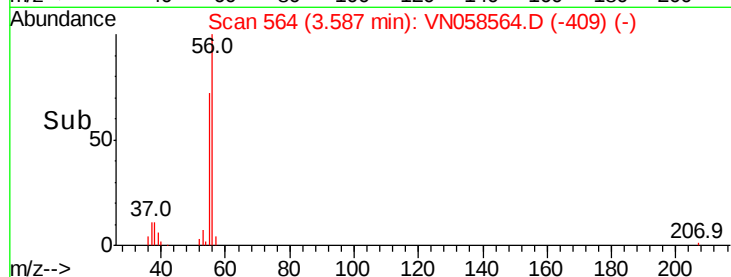
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Acrylonitrile

Concen: 100.000 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

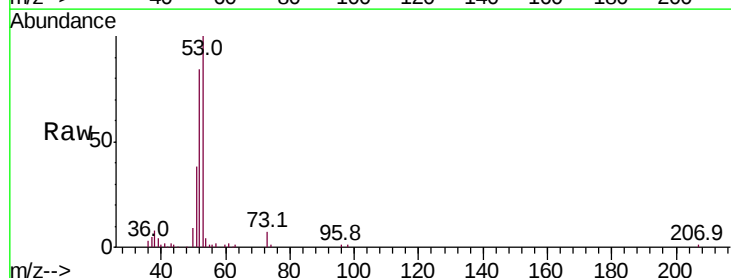
Tgt Ion: 53 Resp: 222246

Ion Ratio Lower Upper

53 100

52 82.9 41.3 123.7

51 37.4 18.3 54.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

80000

60000

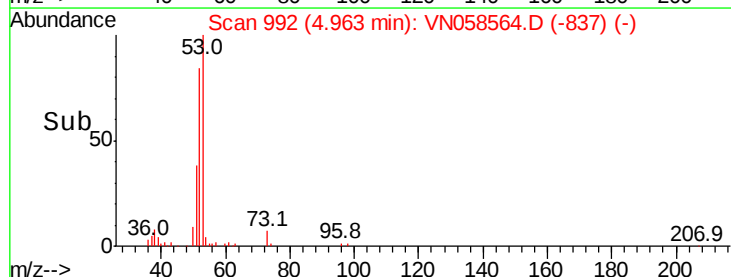
40000

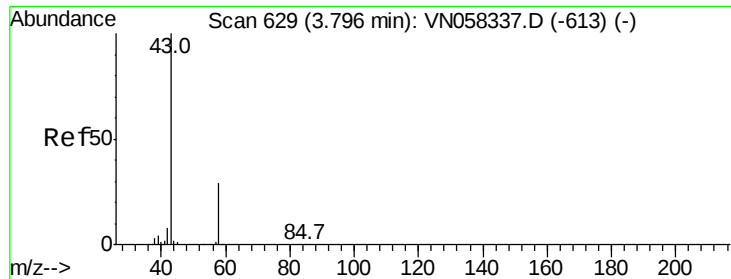
20000

0

4.90 4.95 5.00 5.05 5.10

Time-->





#15

Acetone

Concen: 100.370 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

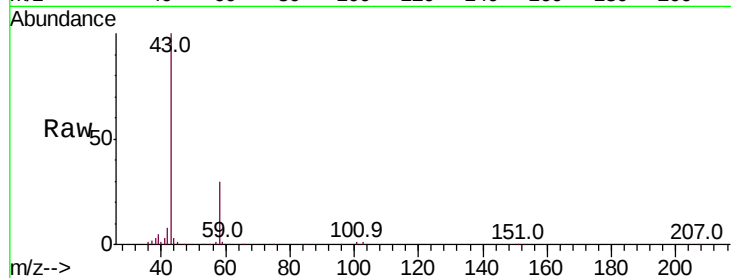
ClientSampled :

Tot Ion: 58 Resp: 61851

Ion Ratio Lower Upper

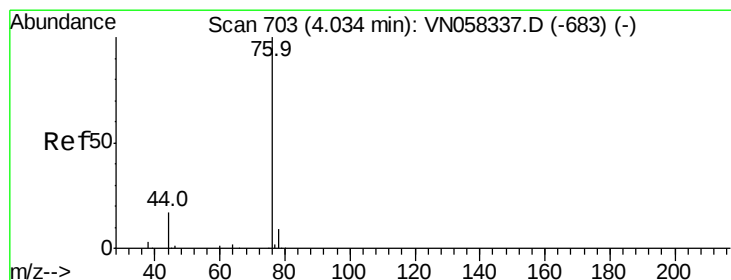
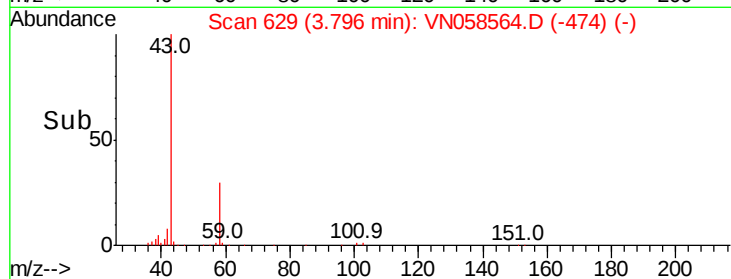
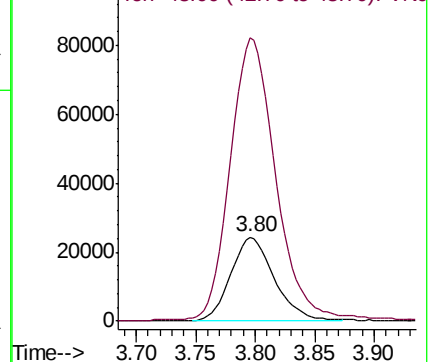
58 100

43 333.3 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.889 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058564.D

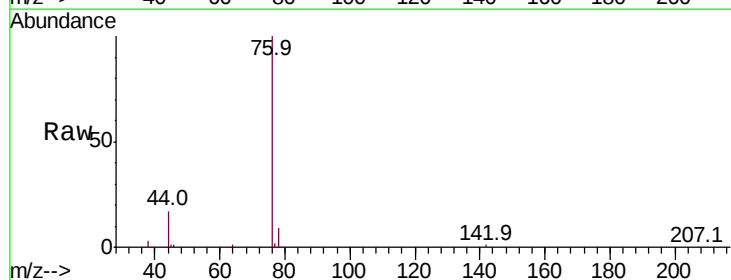
Acq: 7 Oct 2019 14:01

Tgt Ion: 76 Resp: 223365

Ion Ratio Lower Upper

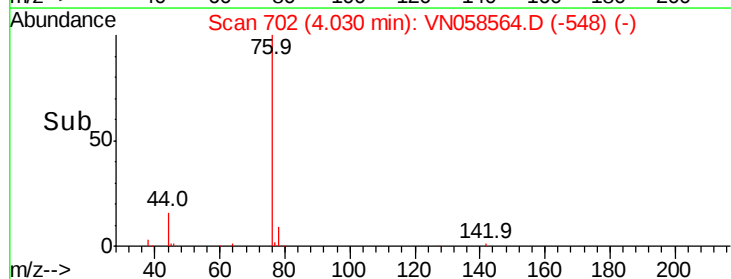
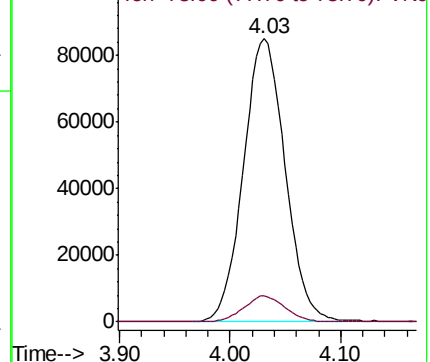
76 100

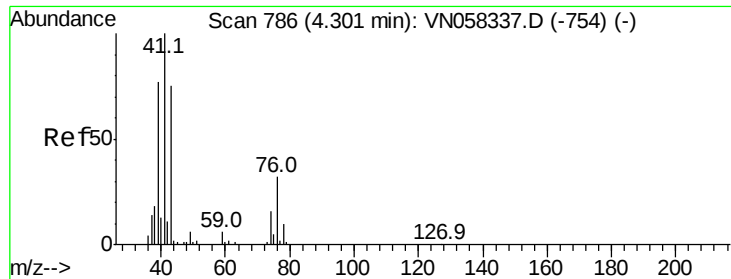
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 21.028 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

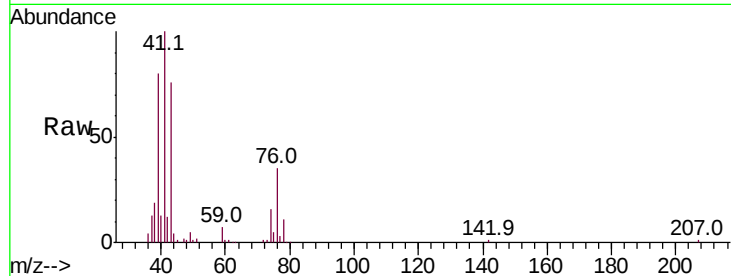
Tot Ion: 41 Resp: 158736

Ion Ratio Lower Upper

41 100

39 80.5 38.7 116.1

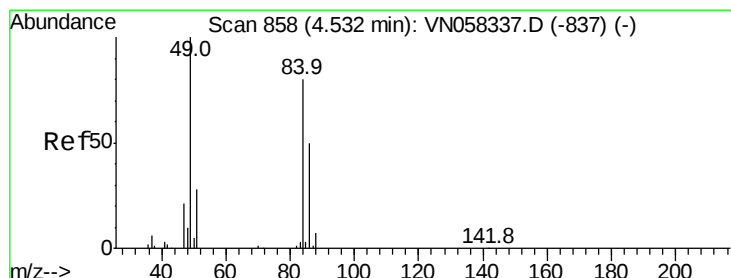
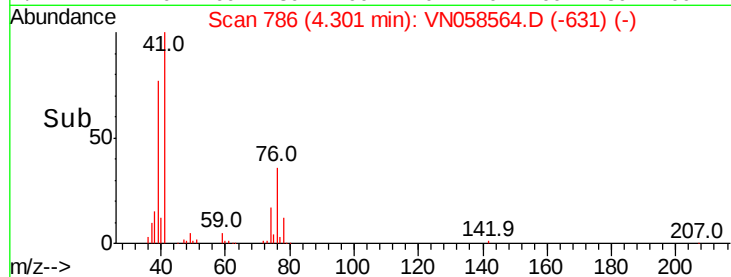
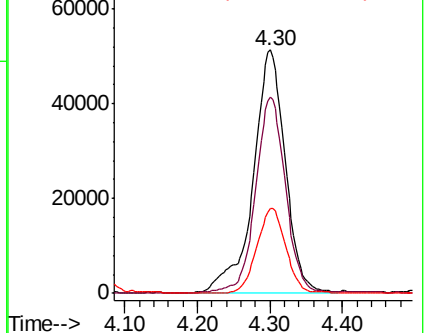
76 34.7 16.4 49.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.669 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion: 84 Resp: 98536

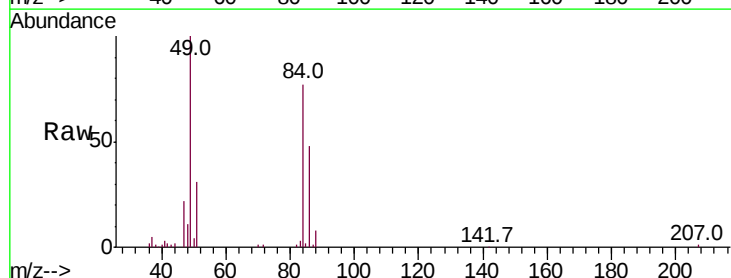
Ion Ratio Lower Upper

84 100

49 129.2 99.8 149.6

51 39.7 28.3 42.5

86 62.1 49.8 74.6

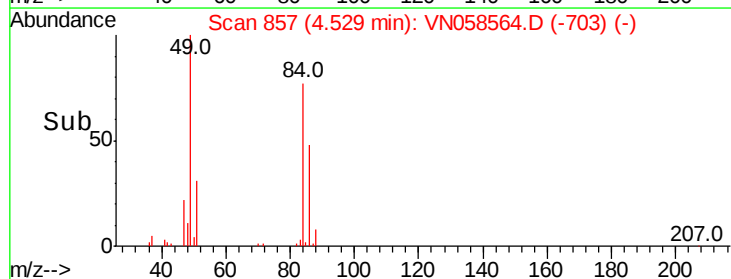
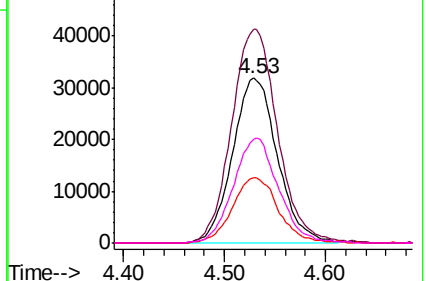


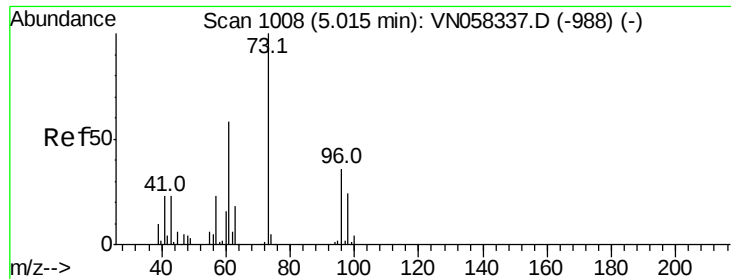
Abundance Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 19.500 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

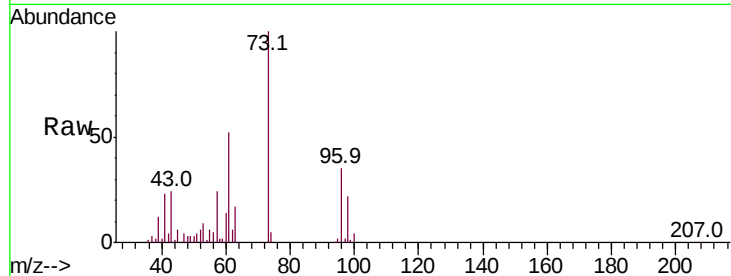
Tot Ion: 96 Resp: 88347

Ion Ratio Lower Upper

96 100

61 148.4 128.0 192.0

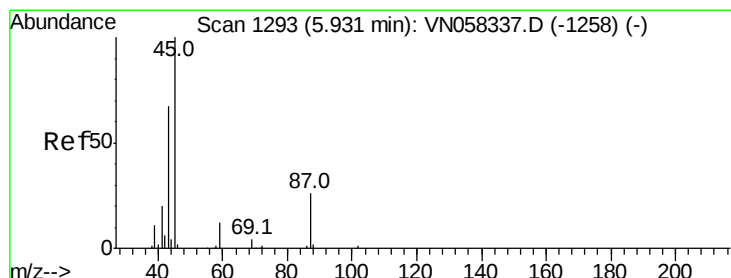
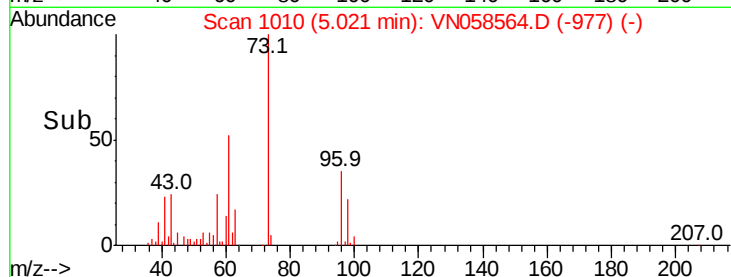
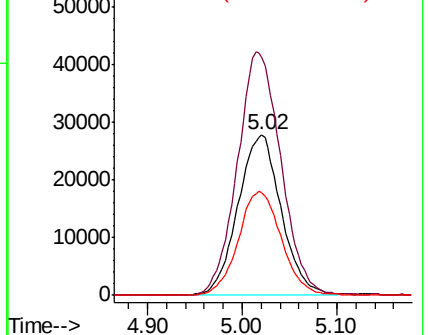
98 64.0 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.431 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion: 45 Resp: 328624

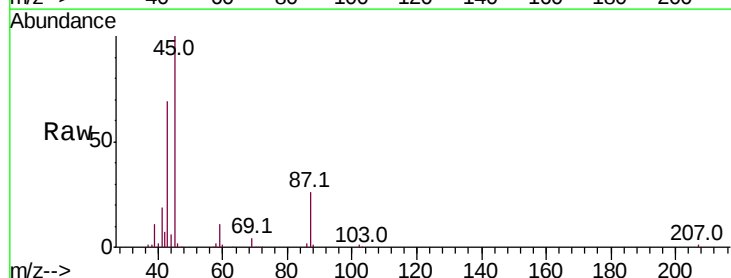
Ion Ratio Lower Upper

45 100

43 67.1 54.1 81.1

87 26.0 21.4 32.2

59 11.0 9.3 13.9

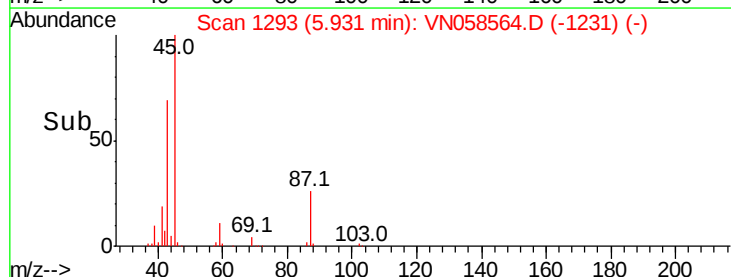
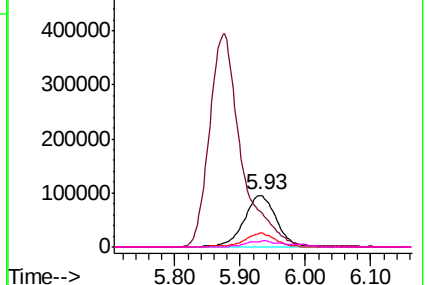


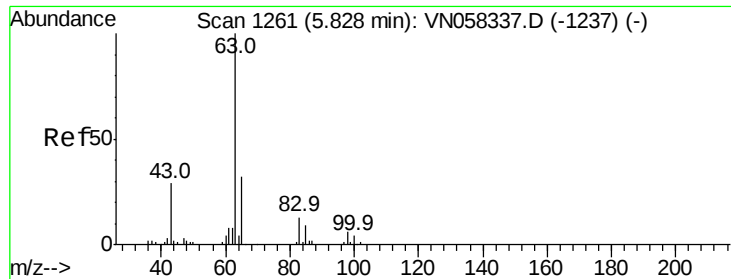
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.112 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

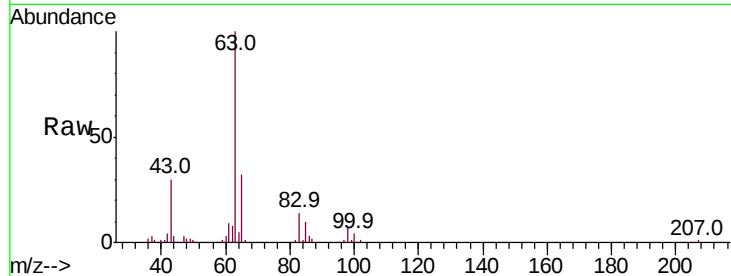
Tot Ion: 63 Resp: 181022

Ion Ratio Lower Upper

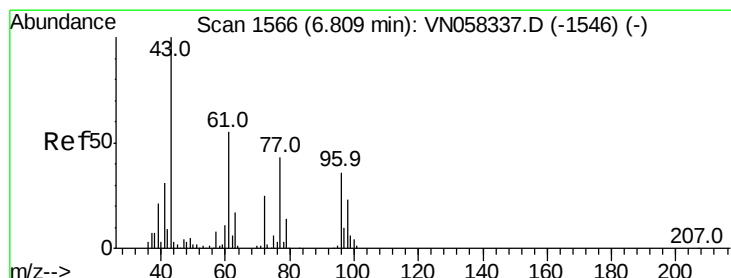
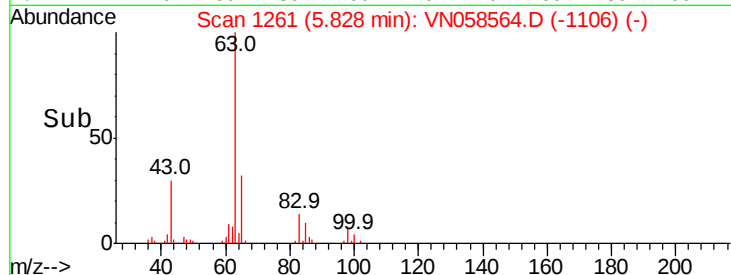
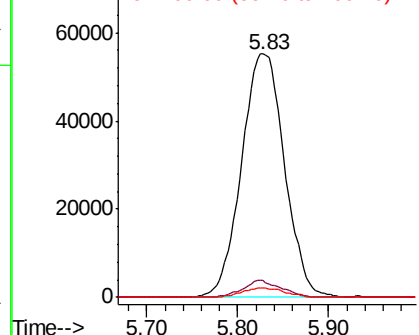
63 100

98 6.8 3.0 9.2

100 4.0 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN



#22

cis-1,2-Dichloroethene

Concen: 20.016 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

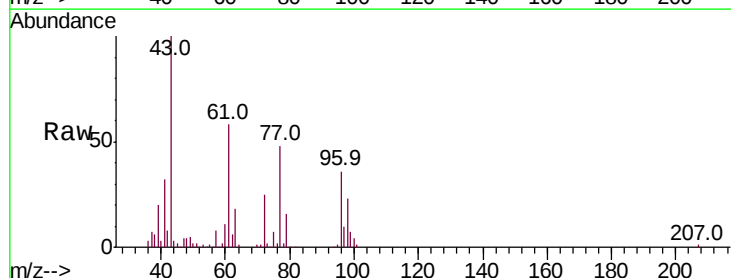
Tgt Ion: 96 Resp: 105338

Ion Ratio Lower Upper

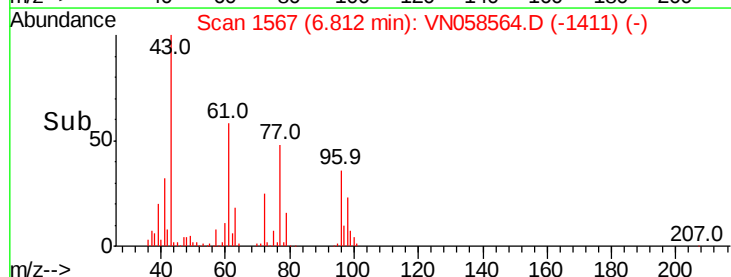
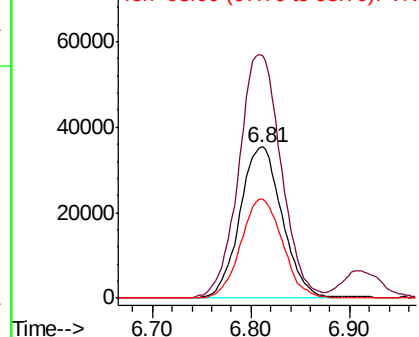
96 100

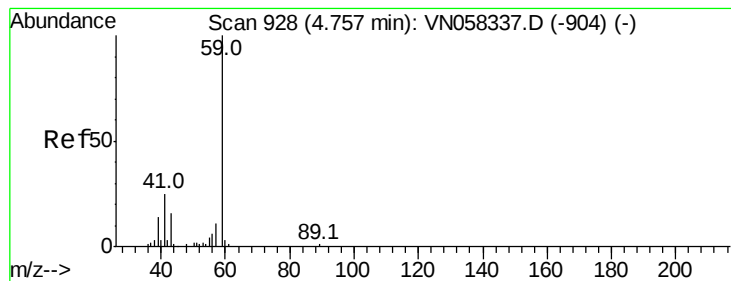
61 161.5 128.2 192.2

98 64.2 50.6 76.0



Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



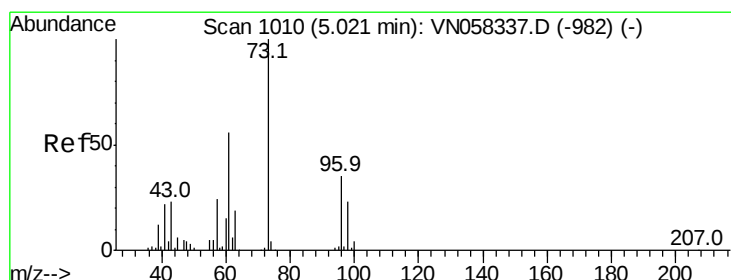
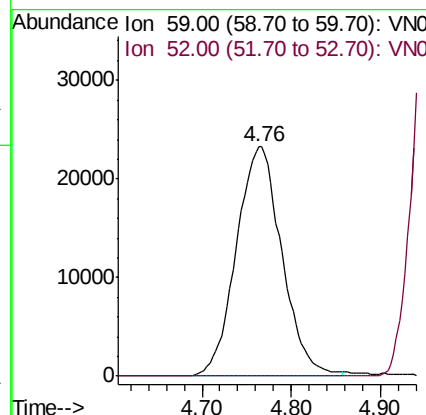
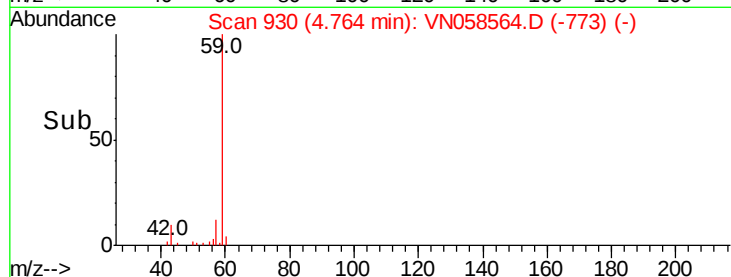
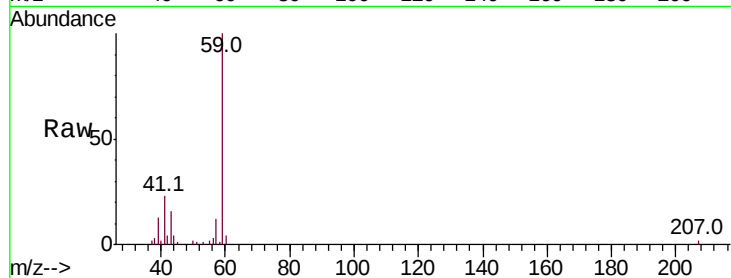


#23

tert-Butyl Alcohol
 Concen: 100.328 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :

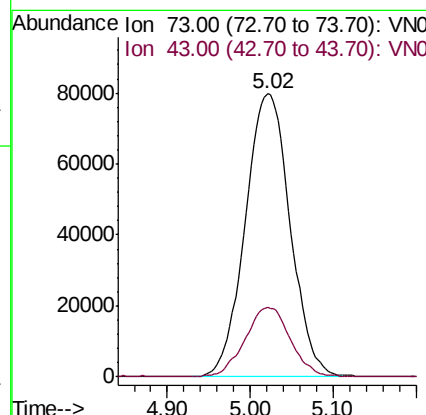
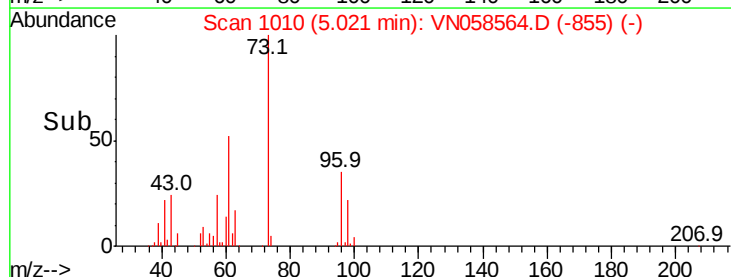
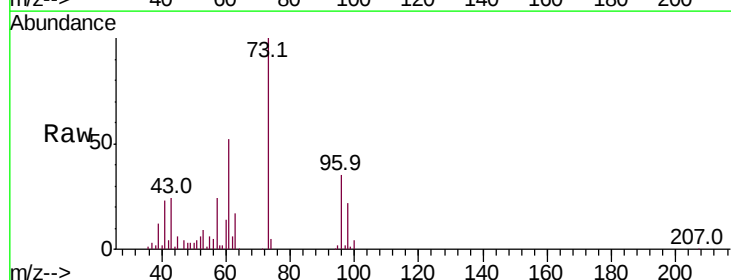
Tot Ion: 59 Resp: 82313
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#

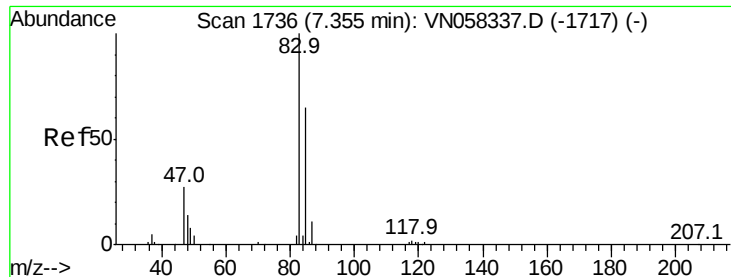


#24

Methyl tert-Butyl Ether
 Concen: 20.650 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 73 Resp: 299557
 Ion Ratio Lower Upper
 73 100
 43 24.1 18.4 27.6





#25

Chloroform

Concen: 20.106 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

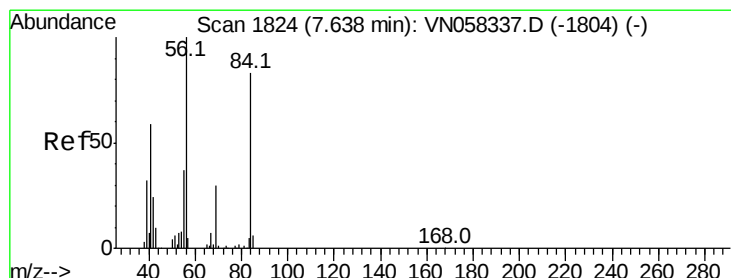
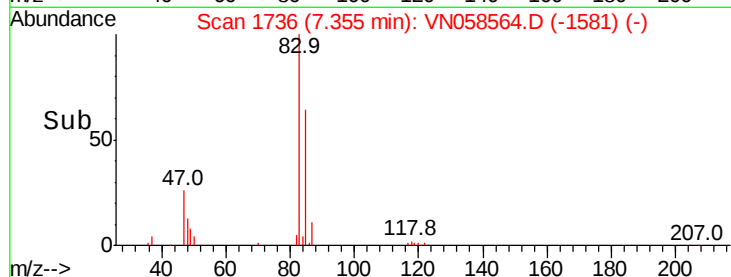
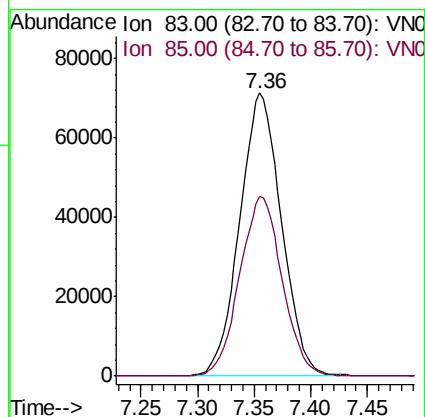
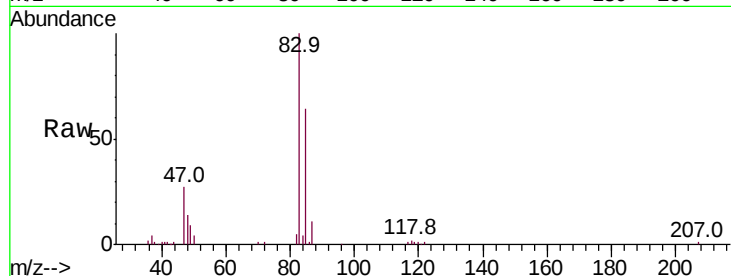
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 183249

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6



#26

Cyclohexane

Concen: 18.627 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

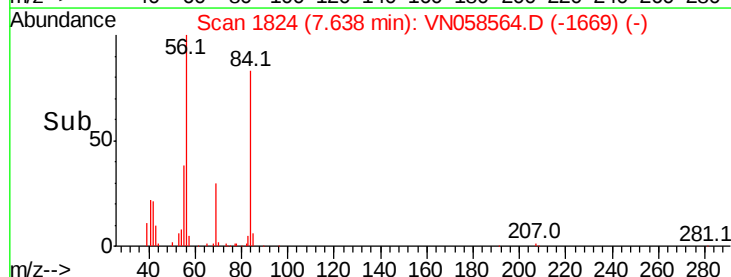
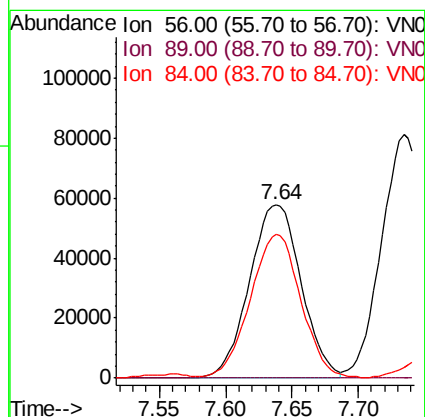
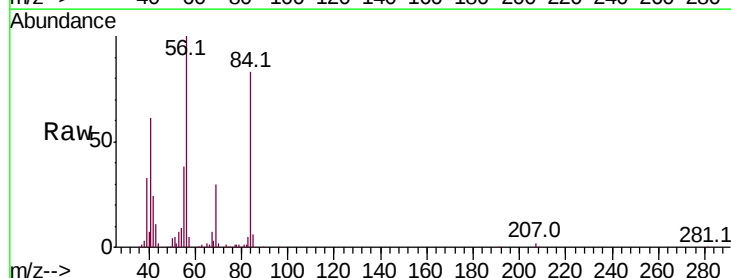
Tgt Ion: 56 Resp: 156705

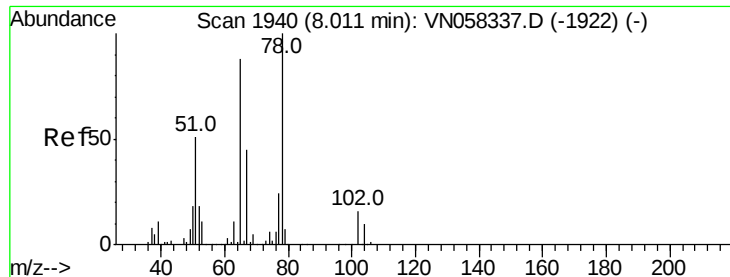
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 80.4 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 29.676 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

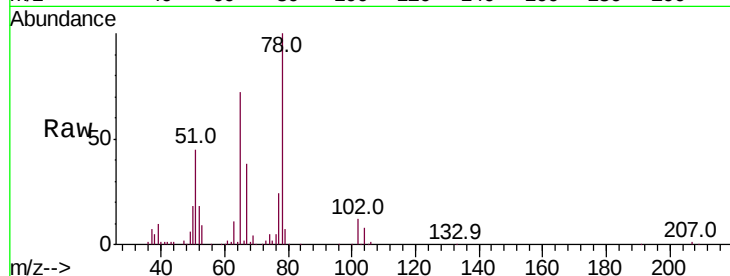
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 193117

Ion Ratio Lower Upper

65 100

67 51.4 40.4 60.6

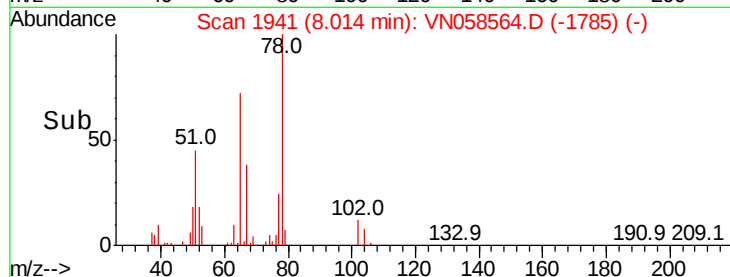


Abundance Ion 65.00 (64.70 to 65.70): VN058337.D (-1922) (-)

Ion 67.00 (66.70 to 67.70): VN058337.D (-1922) (-)

8.01

Time-->

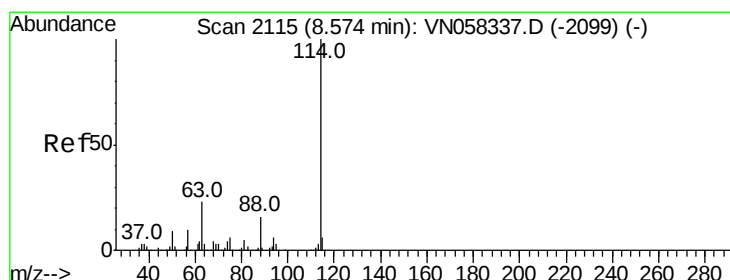


Abundance Ion 65.00 (64.70 to 65.70): VN058564.D (-1785) (-)

Ion 67.00 (66.70 to 67.70): VN058564.D (-1785) (-)

8.01

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

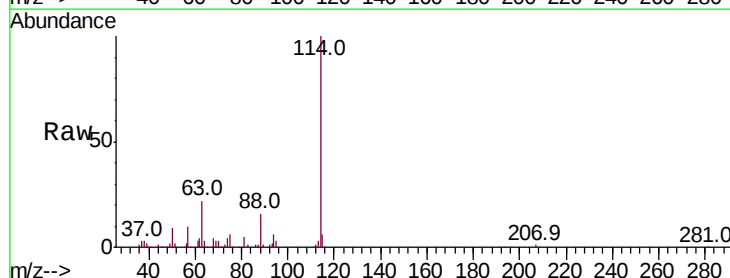
Tgt Ion: 114 Resp: 424491

Ion Ratio Lower Upper

114 100

63 22.1 17.8 26.8

88 15.7 12.7 19.1



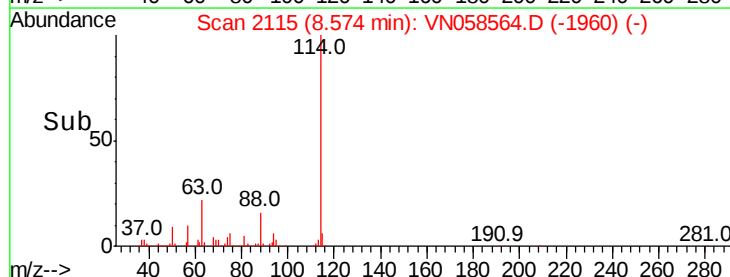
Abundance Ion 114.00 (113.70 to 114.70): VN058337.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058337.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058337.D (-2099) (-)

8.57

Time-->



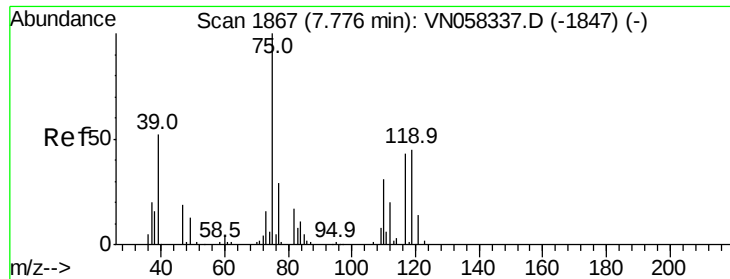
Abundance Ion 114.00 (113.70 to 114.70): VN058564.D (-1960) (-)

Ion 63.00 (62.70 to 63.70): VN058564.D (-1960) (-)

Ion 88.00 (87.70 to 88.70): VN058564.D (-1960) (-)

8.57

Time-->



#29

1,1-Dichloropropene

Concen: 19.298 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

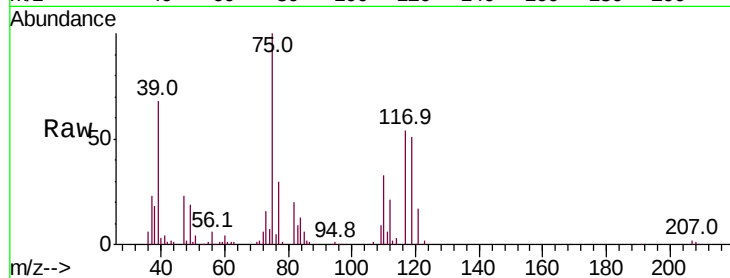
Tot Ion: 75 Resp: 133717

Ion Ratio Lower Upper

75 100

110 32.4 0.0 63.6

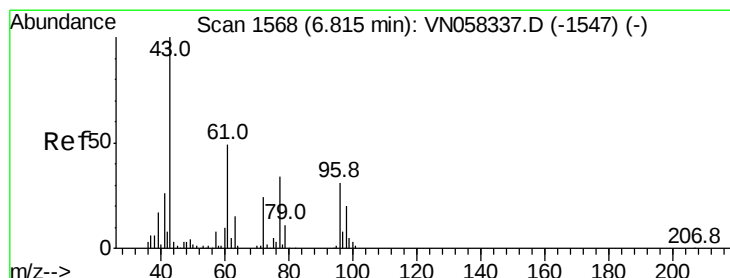
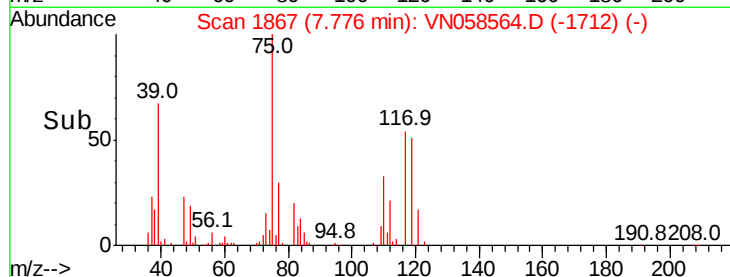
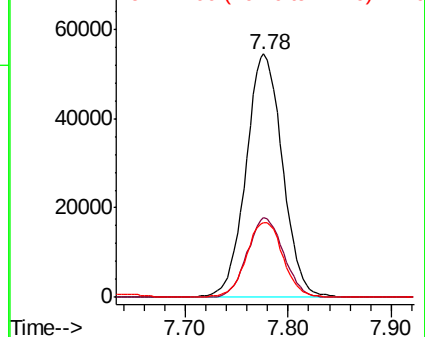
77 31.0 0.0 59.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 95.575 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

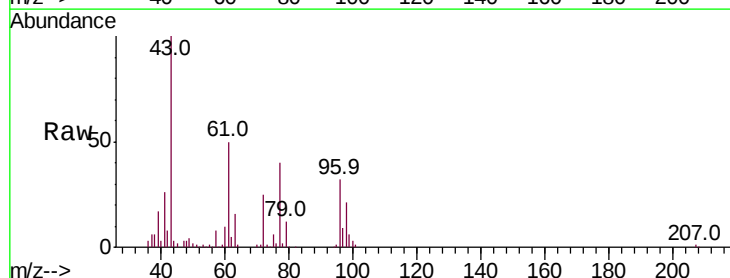
Tgt Ion: 43 Resp: 300699

Ion Ratio Lower Upper

43 100

57 8.3 6.2 9.4

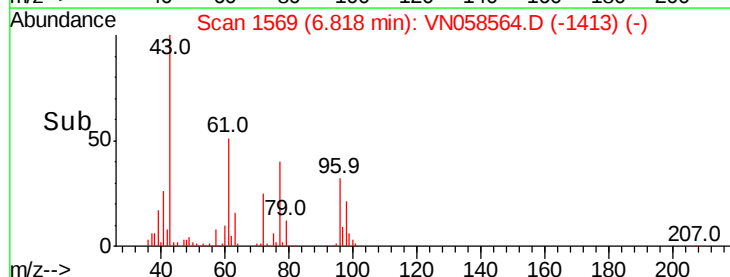
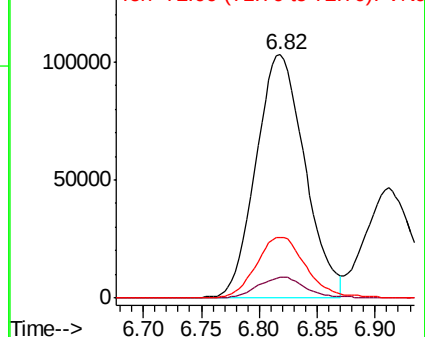
72 25.3 20.3 30.5

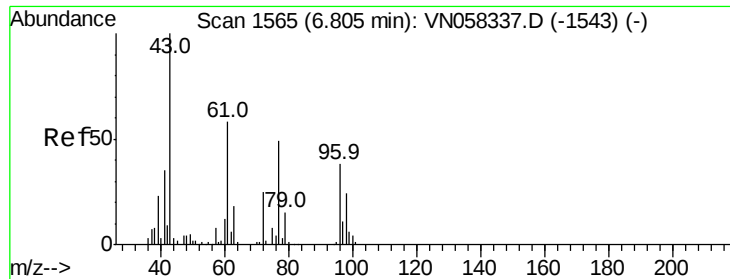


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

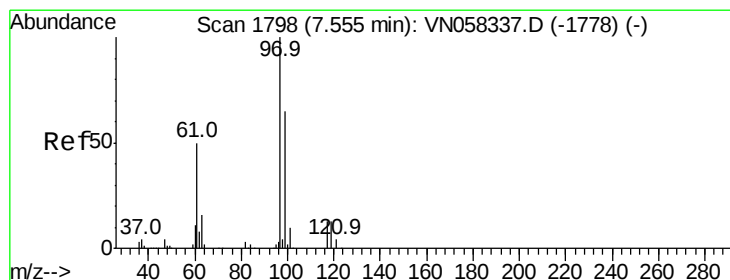
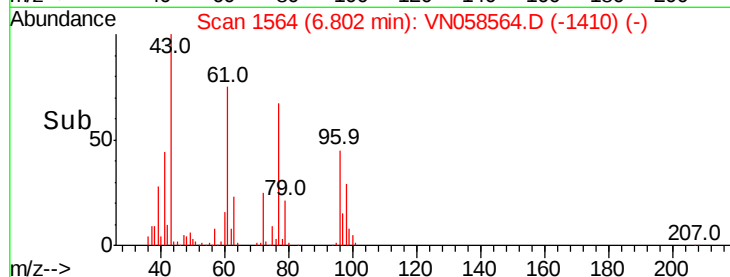
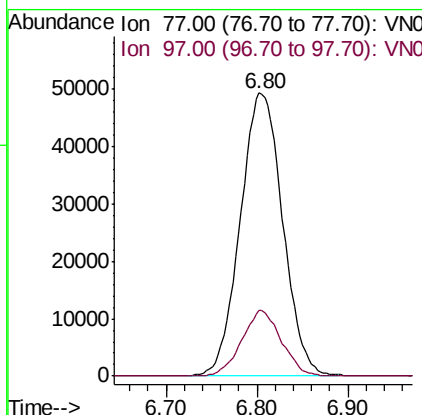
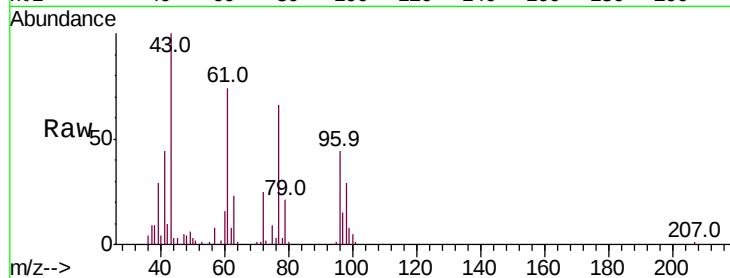




#31
 2,2-Dichloropropane
 Concen: 22.390 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

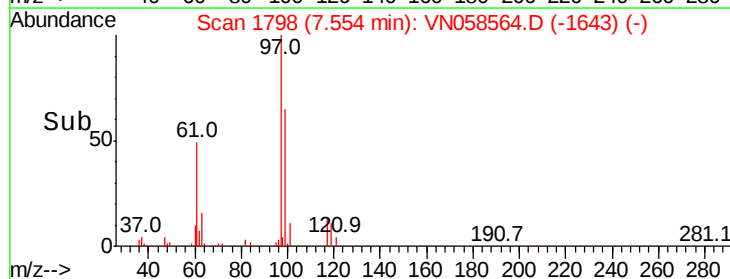
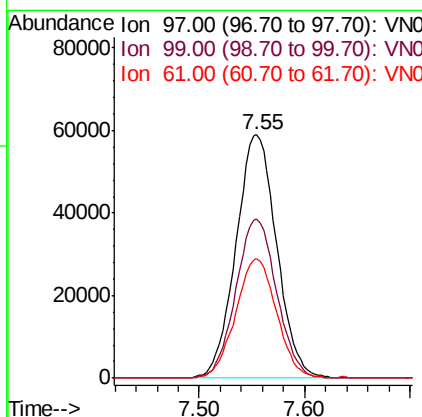
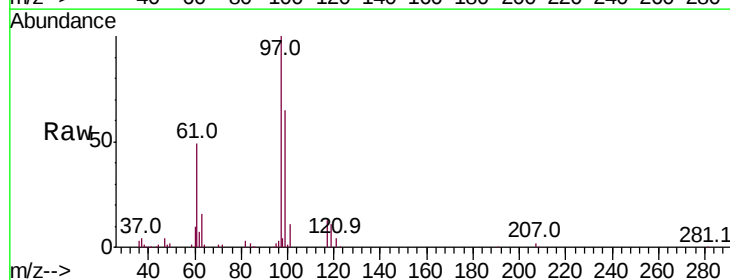
Instrument :
 MSVOA_N
 ClientSampled :

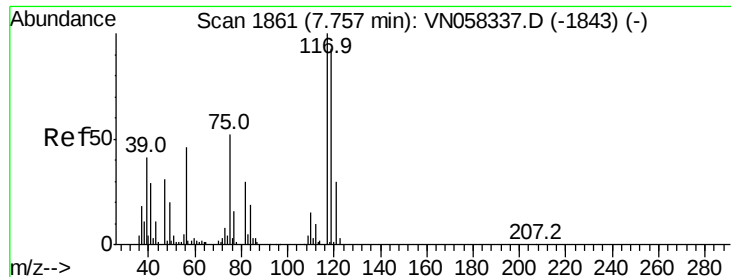
Tot Ion: 77 Resp: 159720
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 21.183 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 97 Resp: 158313
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.8 77.6
 61 49.2 39.4 59.2

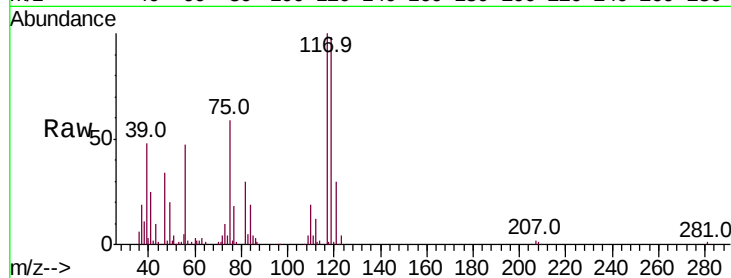




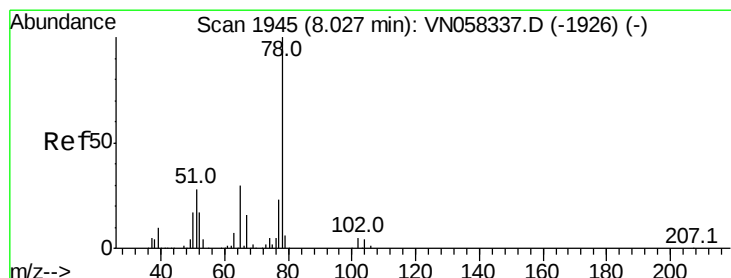
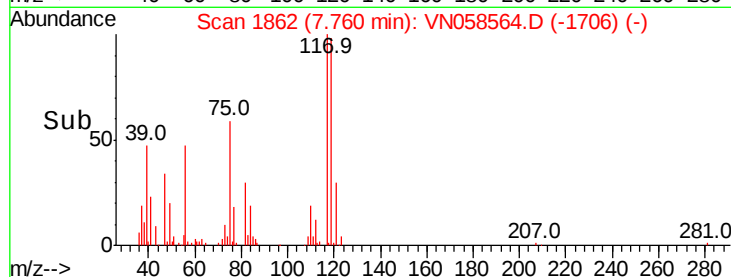
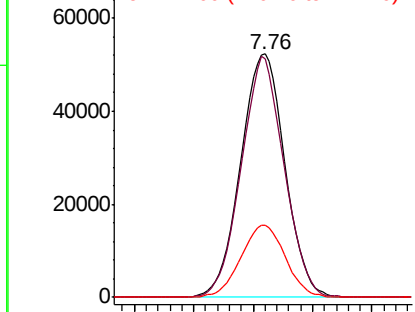
#33
Carbon Tetrachloride
Concen: 21.207 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.2	111.4
121	29.7	23.9	35.9

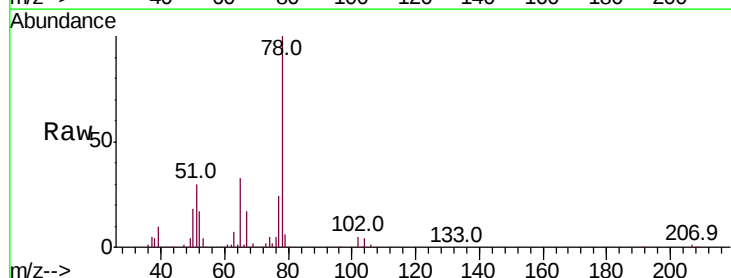


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

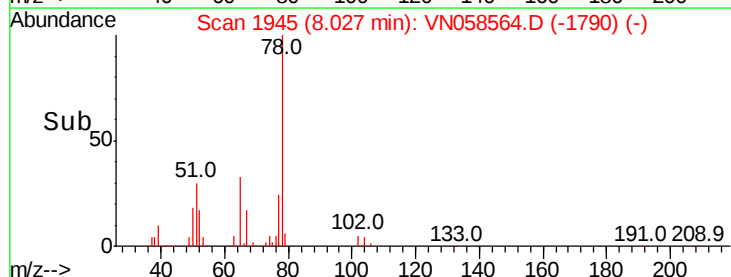
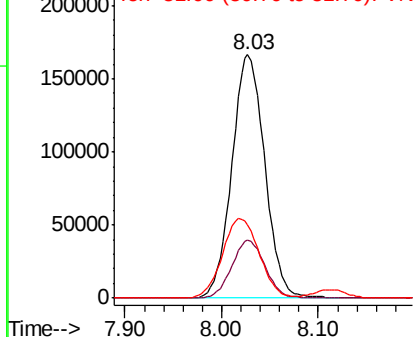


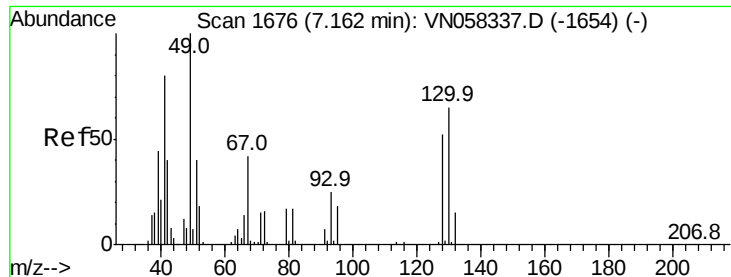
#34
Benzene
Concen: 20.020 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2
51	29.9	22.4	33.6



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

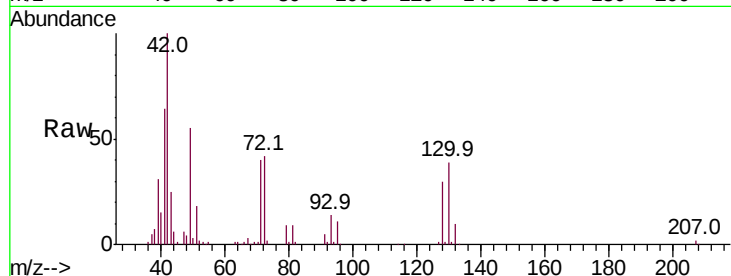




#35
Methacrylonitrile
Concen: 70.308 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.1	27.3	81.9
67	4.8	26.3	78.9#
52	2.5	11.0	33.0#



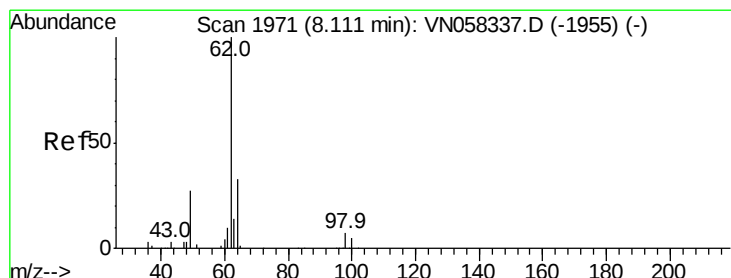
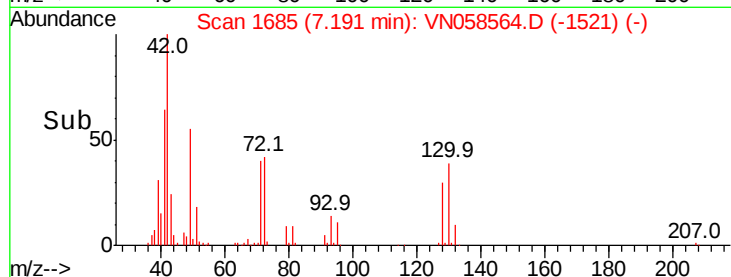
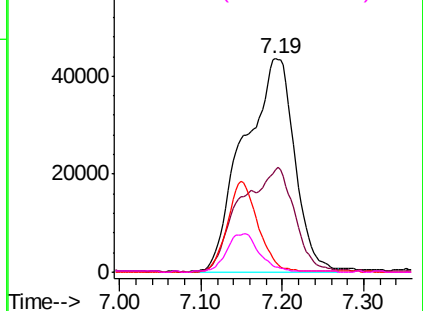
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

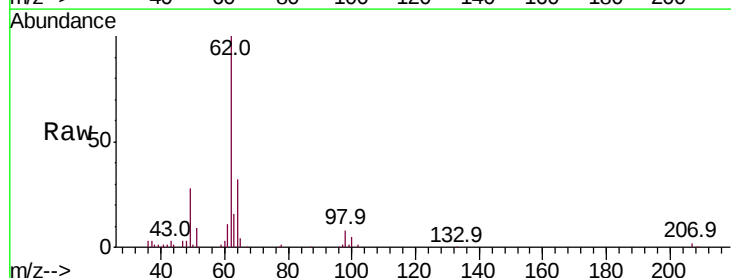
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.691 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

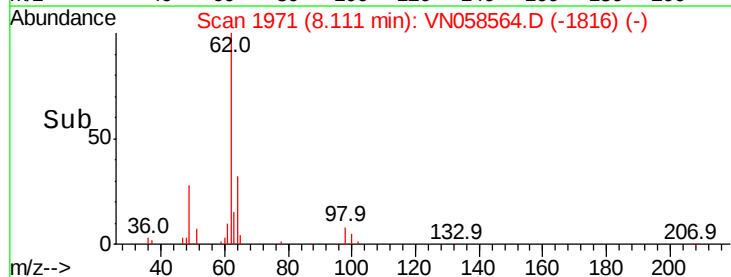
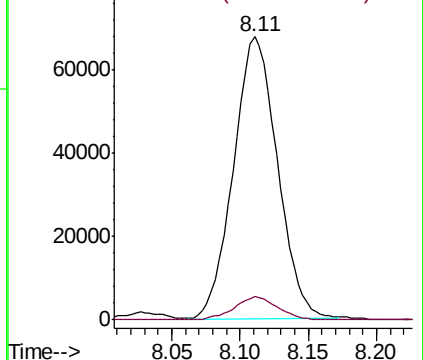
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.0	9.0

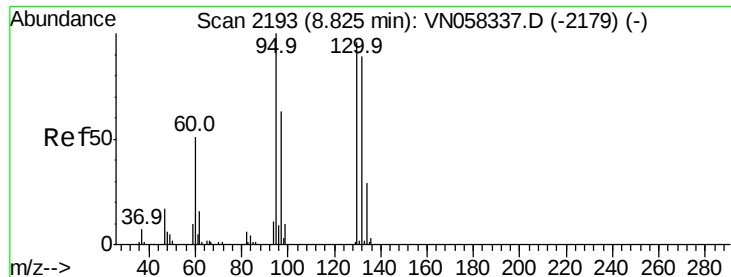


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

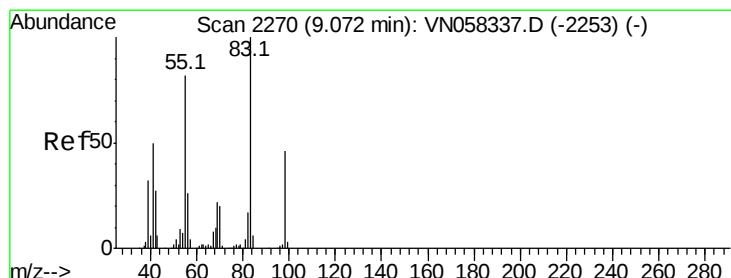
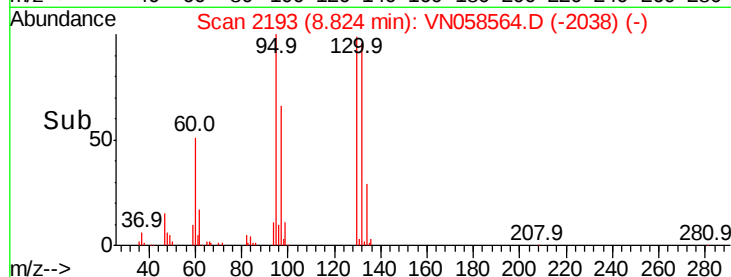
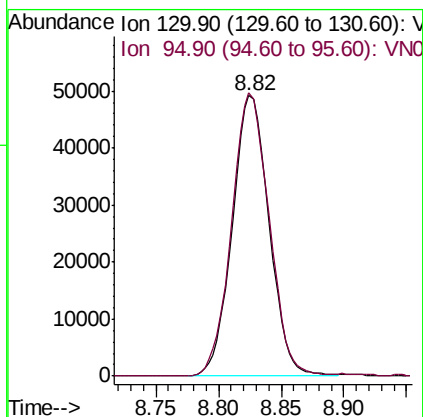
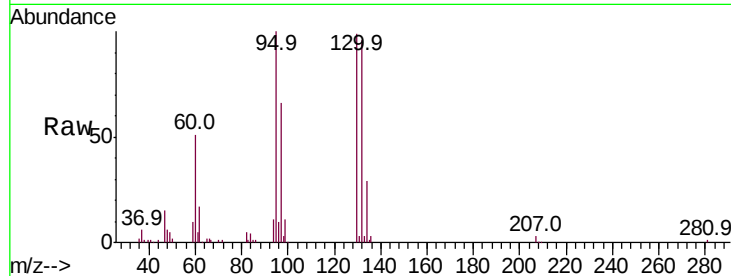




#37
 Trichloroethene
 Concen: 20.395 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

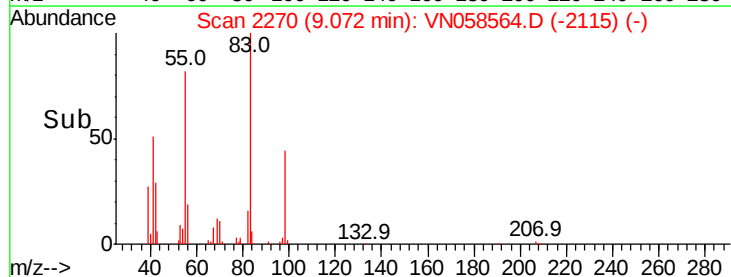
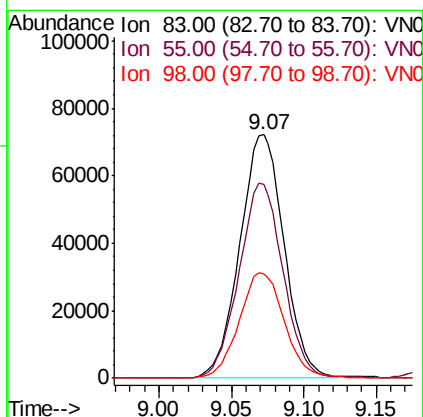
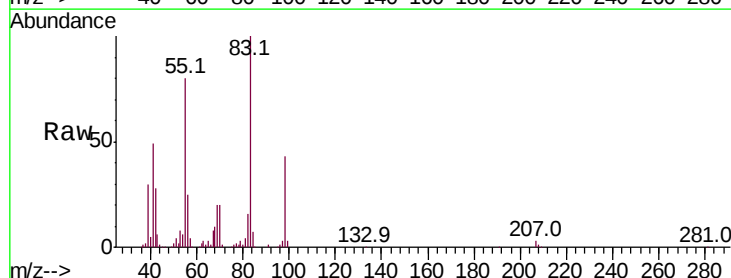
Instrument :
 MSVOA_N
 ClientSampled :

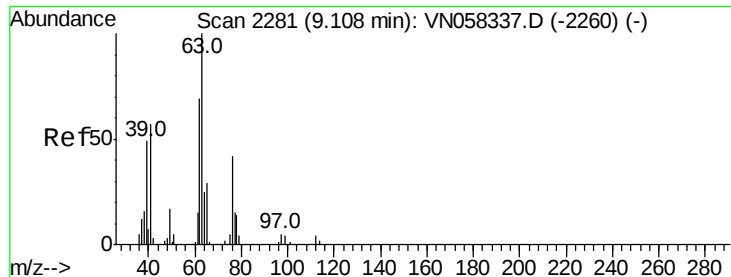
Tot Ion:130 Resp: 100361
 Ion Ratio Lower Upper
 130 100
 95 100.9 83.3 124.9



#38
 Methylcyclohexane
 Concen: 18.315 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 83 Resp: 153455
 Ion Ratio Lower Upper
 83 100
 55 79.6 40.5 121.4
 98 44.0 23.1 69.2

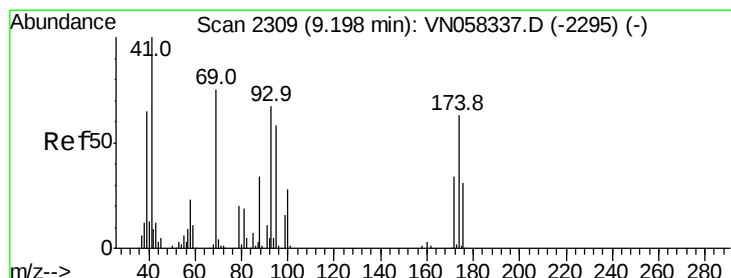
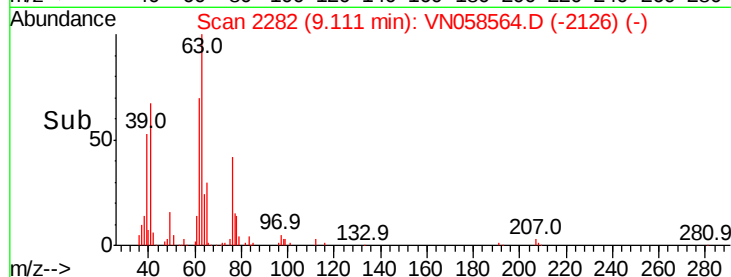
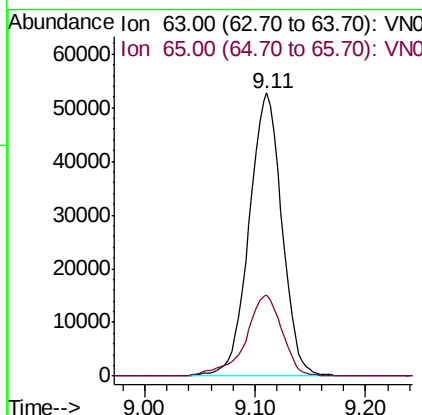
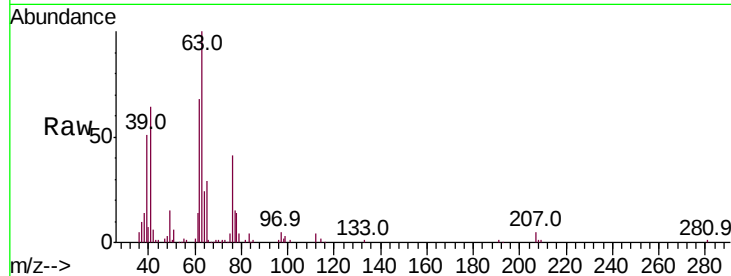




#39
 1,2-Dichloropropane
 Concen: 20.282 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

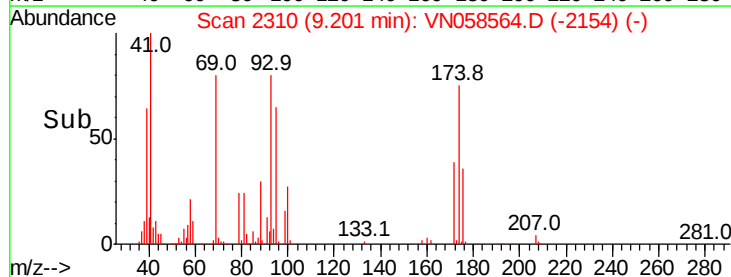
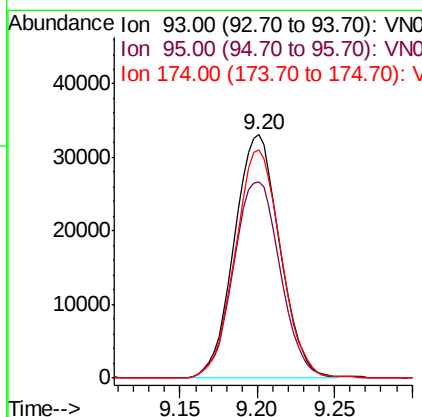
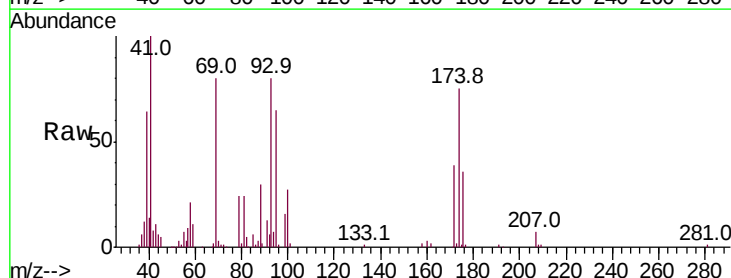
Instrument :
 MSVOA_N
 ClientSampleId :

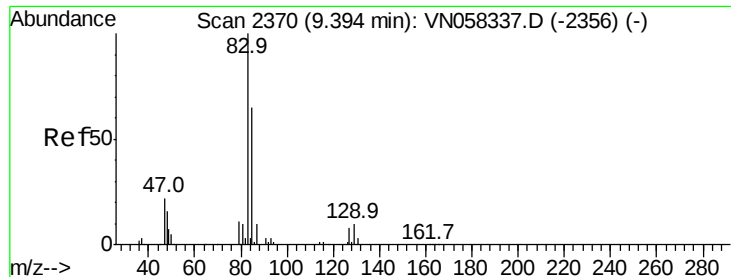
Tot Ion: 63 Resp: 108744
 Ion Ratio Lower Upper
 63 100
 65 28.6 23.4 35.0



#40
 Dibromomethane
 Concen: 20.016 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 93 Resp: 67733
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 166.8
 174 94.3 0.0 187.2





#41

Bromodichloromethane

Concen: 20.650 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

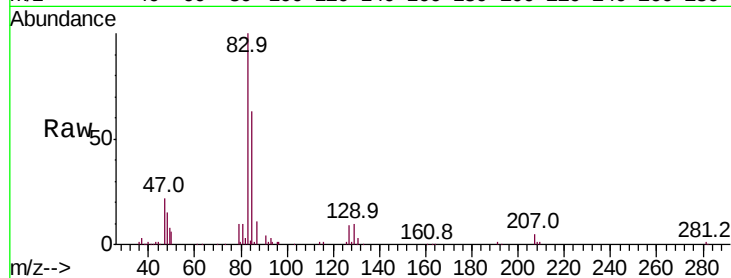
Tot Ion: 83 Resp: 138122

Ion Ratio Lower Upper

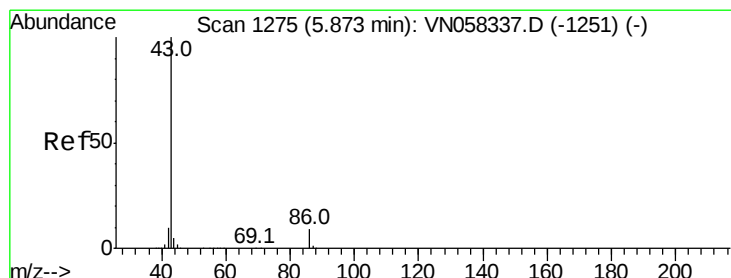
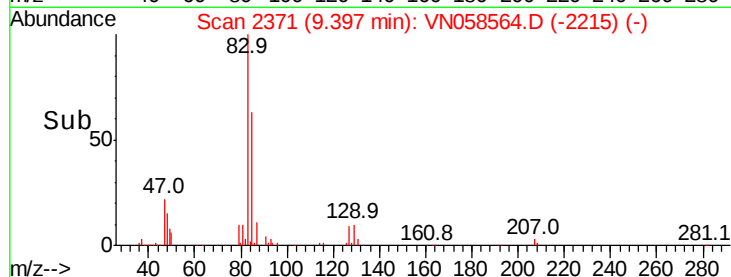
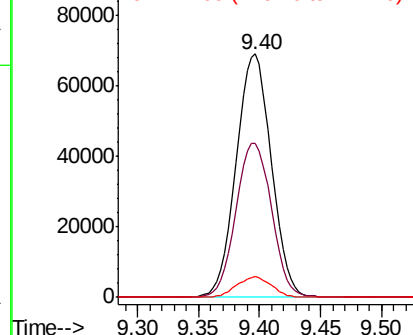
83 100

85 63.3 52.0 78.0

127 8.7 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 111.487 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058564.D

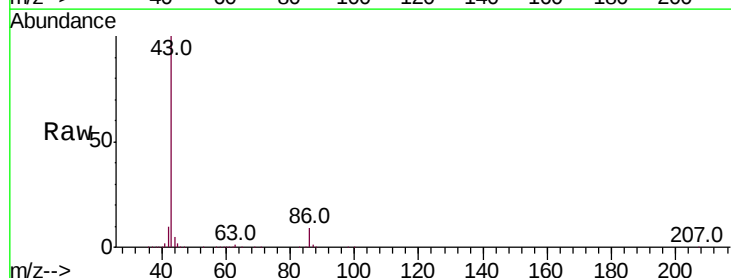
Acq: 7 Oct 2019 14:01

Tgt Ion: 43 Resp: 1339269

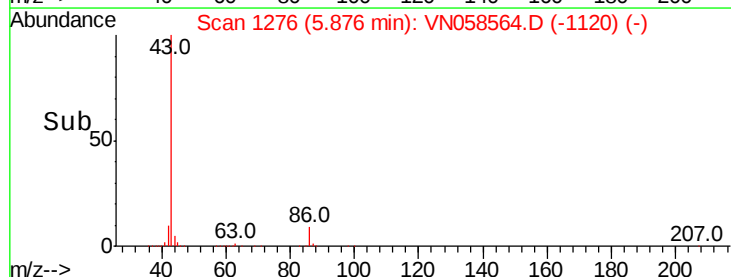
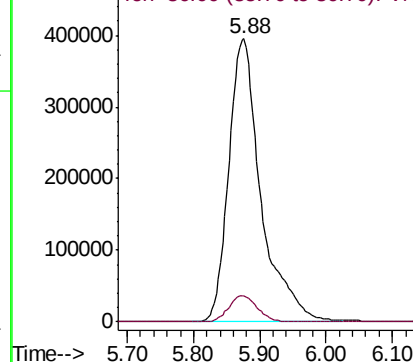
Ion Ratio Lower Upper

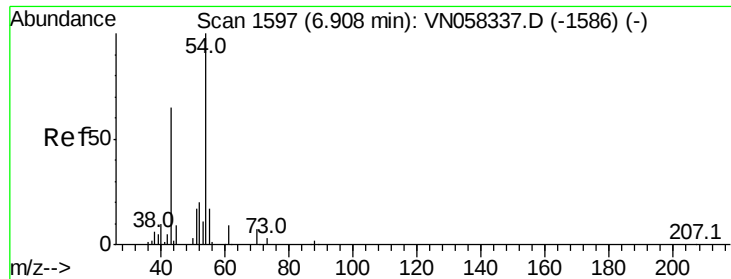
43 100

86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

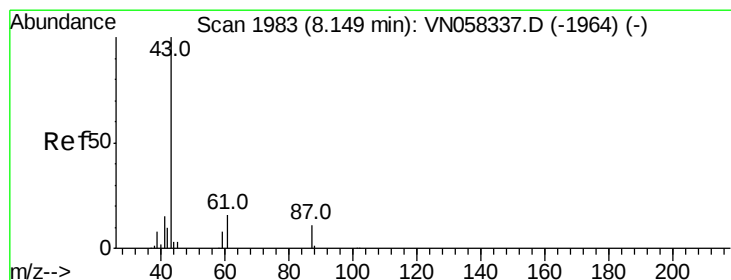
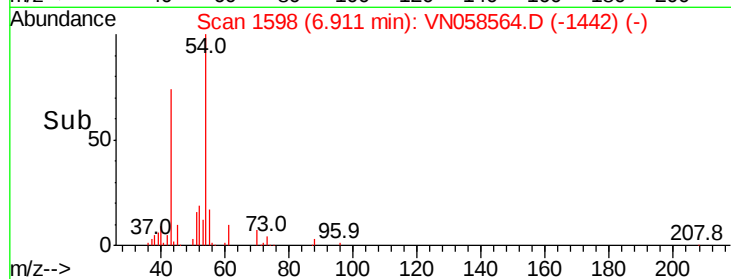
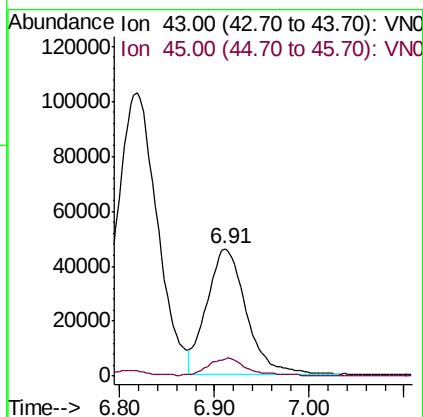
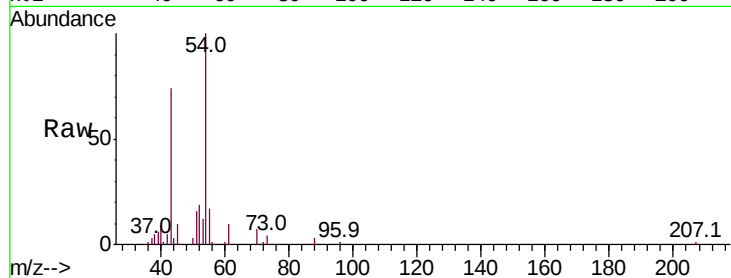




#43
Ethyl Acetate
Concen: 21.475 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

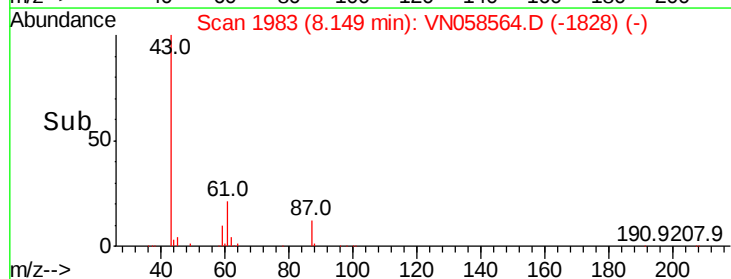
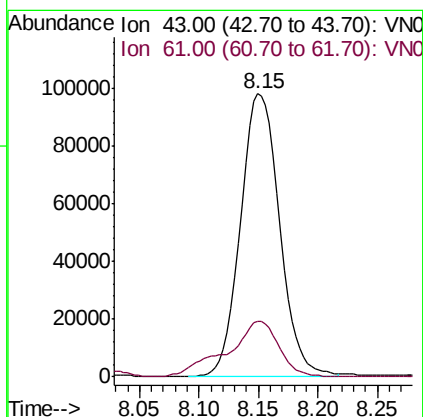
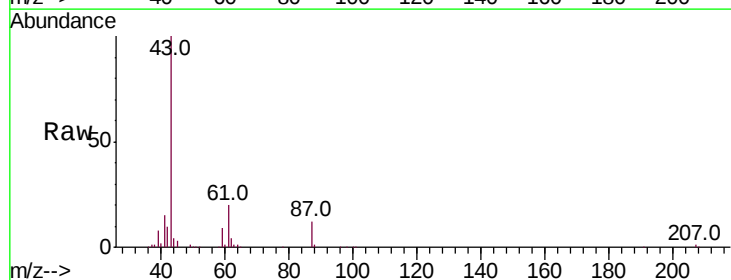
Instrument :
MSVOA_N
ClientSampled :

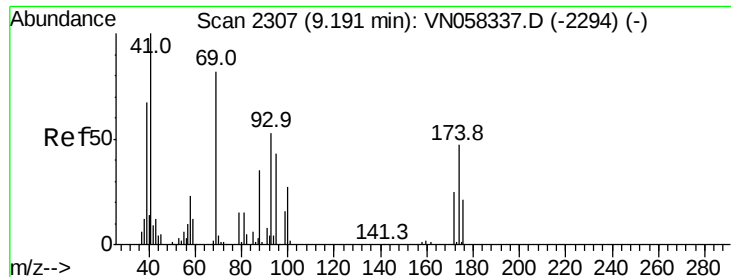
Tot Ion: 43 Resp: 134152
Ion Ratio Lower Upper
43 100
45 12.4 9.8 14.6



#44
Isopropyl Acetate
Concen: 19.907 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 43 Resp: 222608
Ion Ratio Lower Upper
43 100
61 25.9 14.4 21.6#

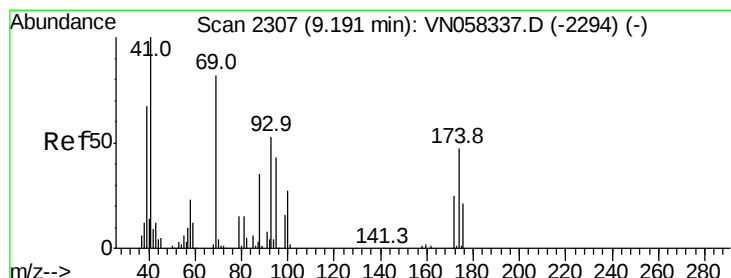
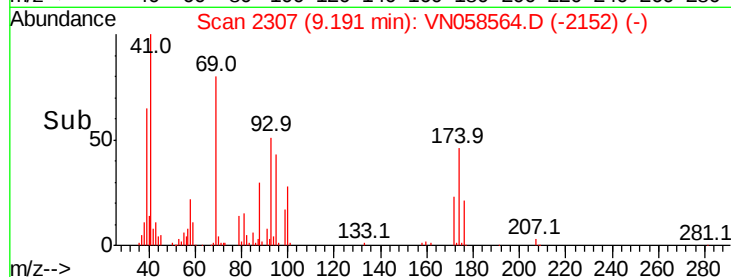
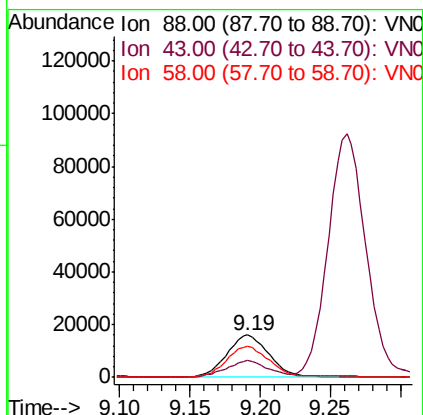
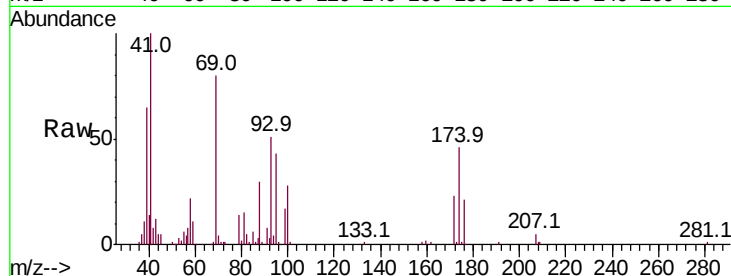




#45
 1,4-Dioxane
 Concen: 360.023 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

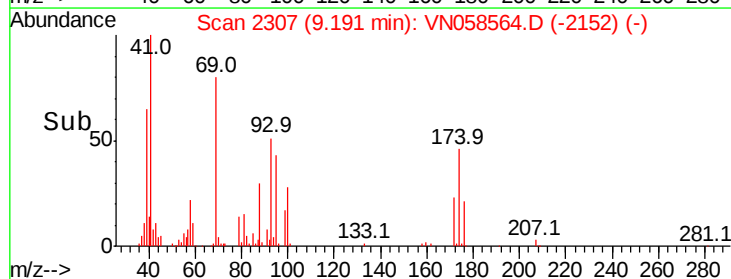
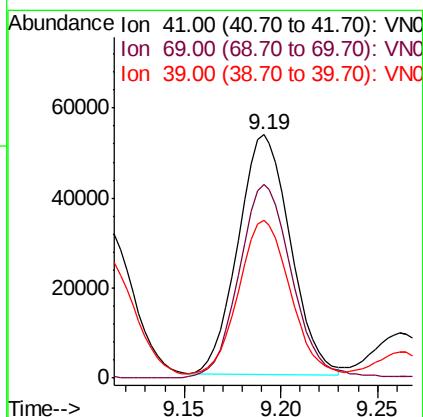
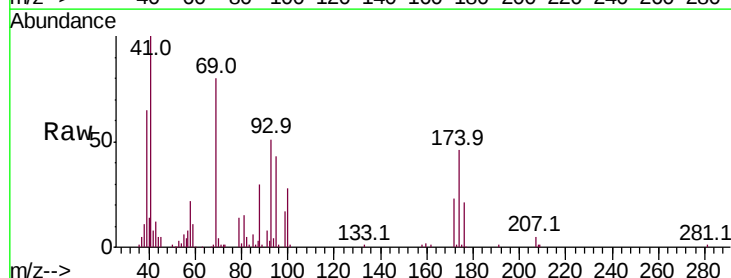
Instrument :
 MSVOA_N
 ClientSampled :

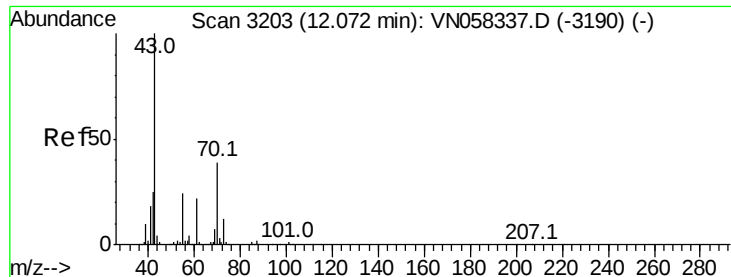
Tot Ion: 88 Resp: 33964
 Ion Ratio Lower Upper
 88 100
 43 38.7 27.2 40.8
 58 73.7 55.4 83.0



#46
 Methyl methacrylate
 Concen: 18.890 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion: 41 Resp: 100113
 Ion Ratio Lower Upper
 41 100
 69 80.5 40.9 122.7
 39 64.6 33.6 100.6

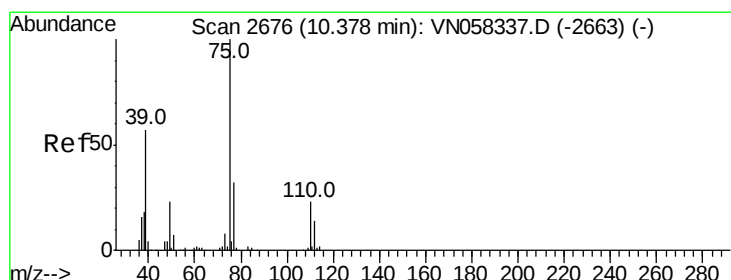
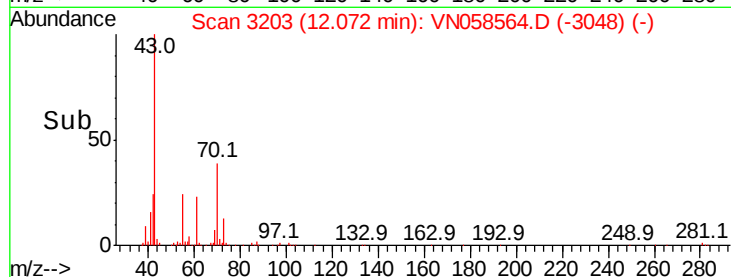
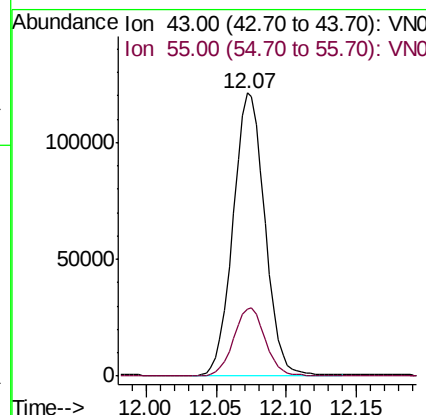
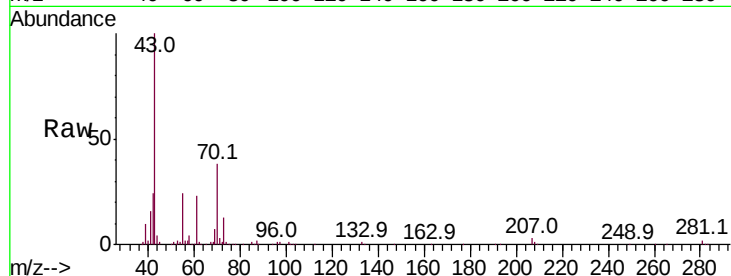




#47
n-amvl Acetate
Concen: 19.481 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

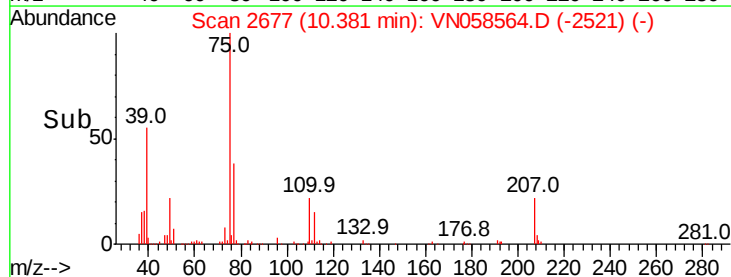
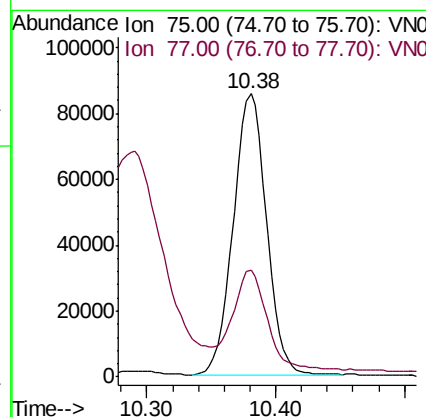
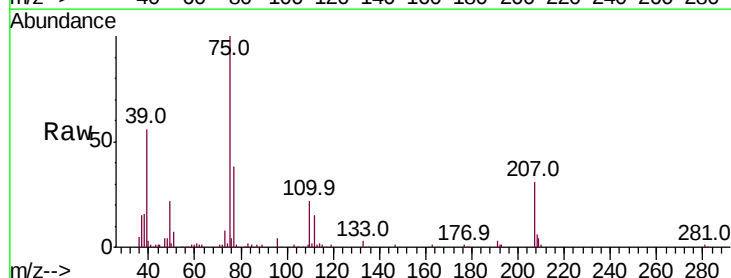
Instrument :
MSVOA_N
ClientSampleId :

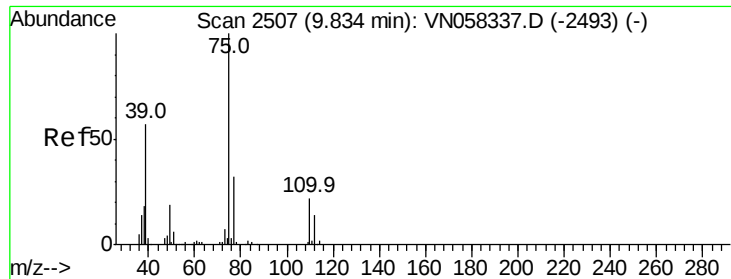
Tot Ion: 43 Resp: 189621
Ion Ratio Lower Upper
43 100
55 24.1 19.0 28.4



#48
t-1,3-Dichloropropene
Concen: 20.849 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 75 Resp: 152375
Ion Ratio Lower Upper
75 100
77 35.2 25.4 38.0



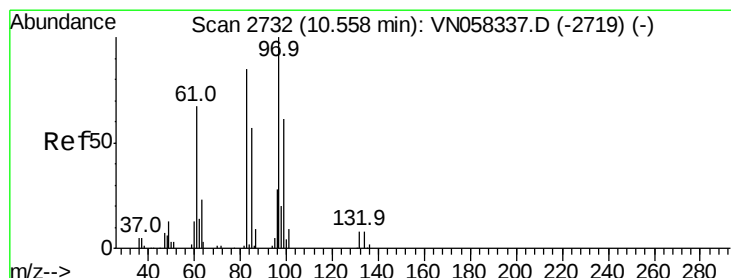
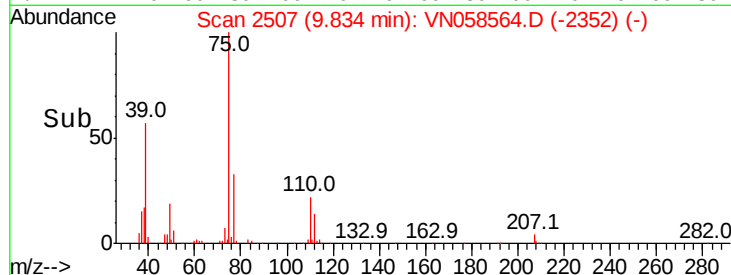
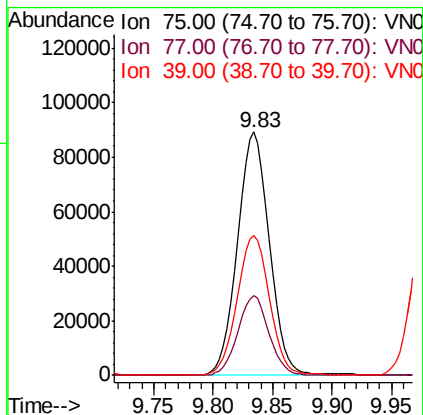
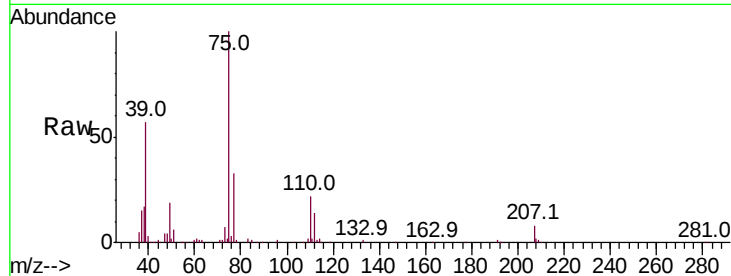


#49

cis-1,3-Dichloropropene
 Concen: 20.417 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Instrument :
 MSVOA_N
 ClientSampled :

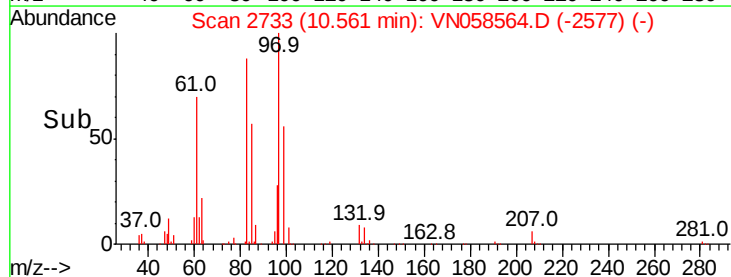
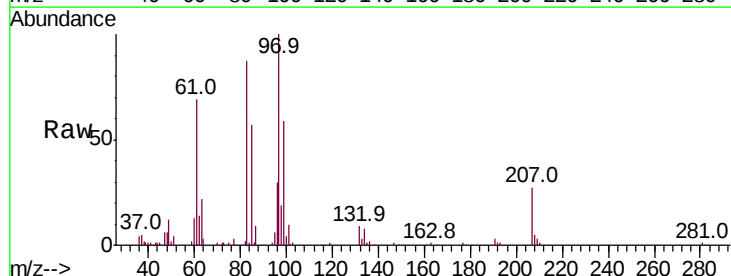
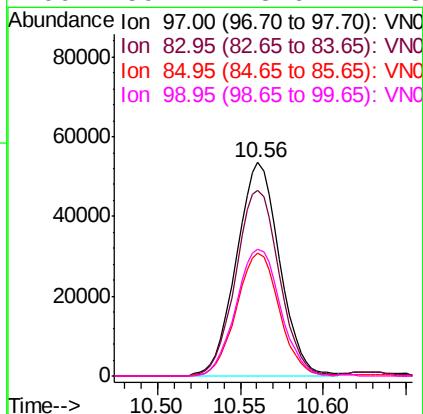
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.2	37.8
39	57.3	45.8	68.6

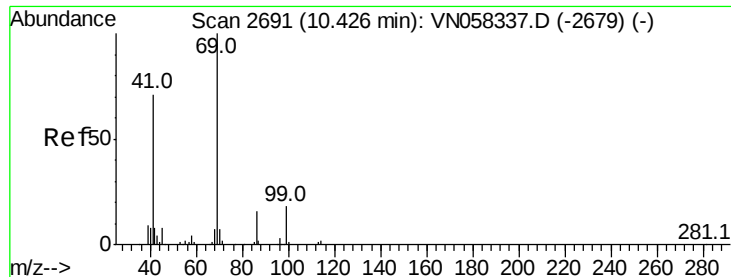


#50

1,1,2-Trichloroethane
 Concen: 20.571 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.8	101.6
85	57.5	45.8	68.6
99	59.4	48.6	72.8





#51

Ethyl methacrylate

Concen: 19.015 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

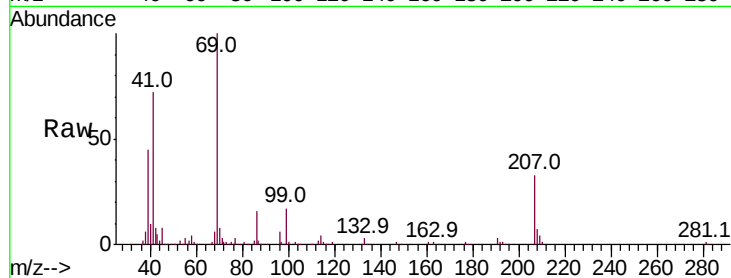
Tot Ion: 69 Resp: 142284

Ion Ratio Lower Upper

69 100

41 71.7 35.4 106.1

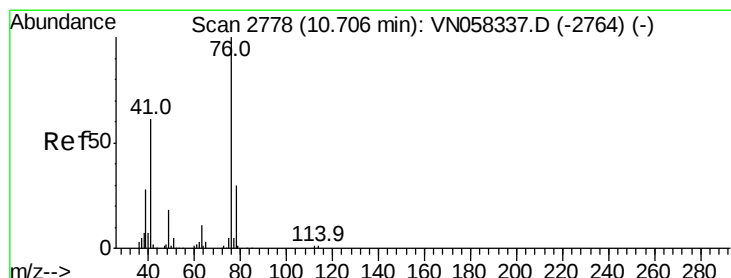
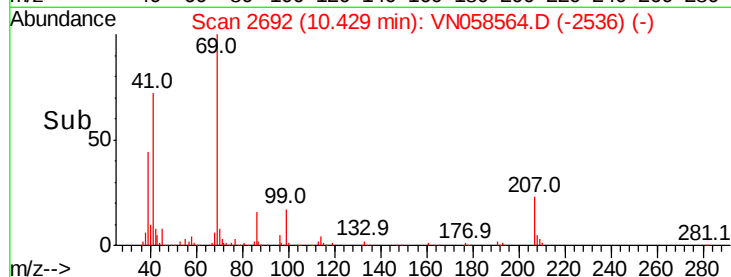
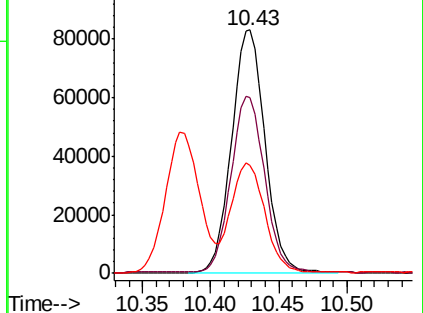
39 44.0 23.5 70.5



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



#52

1,3-Dichloropropane

Concen: 20.274 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058564.D

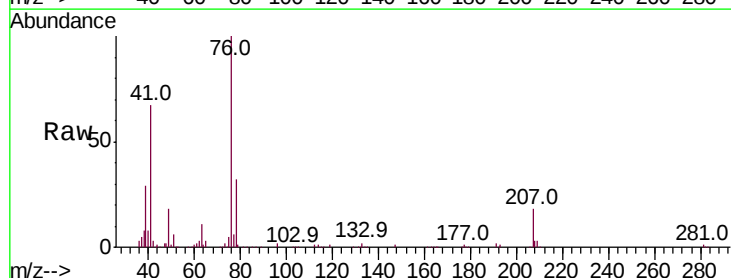
Acq: 7 Oct 2019 14:01

Tgt Ion: 76 Resp: 170285

Ion Ratio Lower Upper

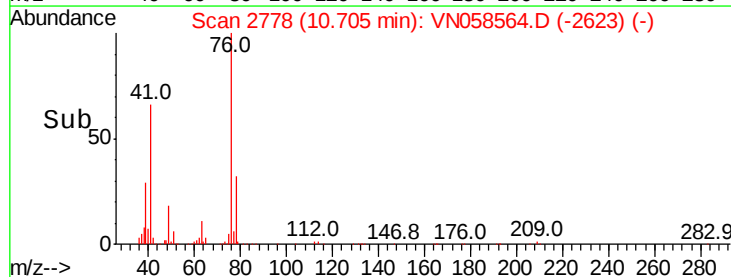
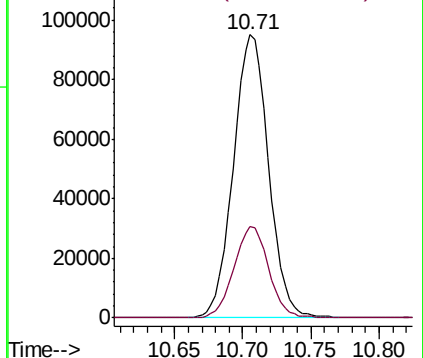
76 100

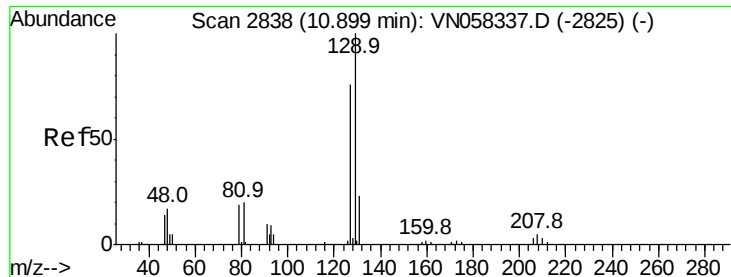
78 31.9 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.312 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

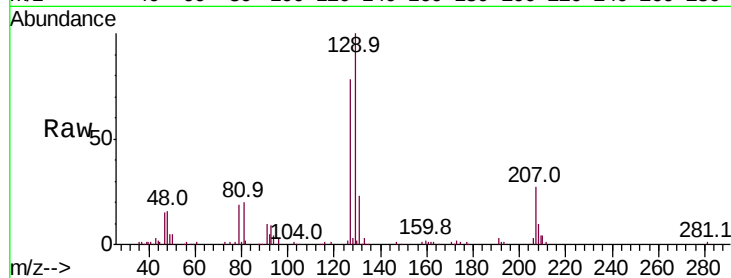
ClientSampleId :

Tot Ion:129 Resp: 96504

Ion Ratio Lower Upper

129 100

127 78.6 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

60000

50000

40000

30000

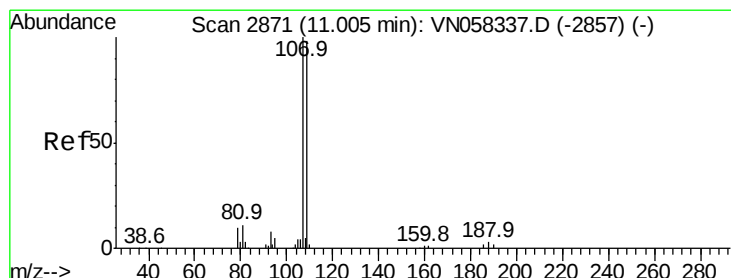
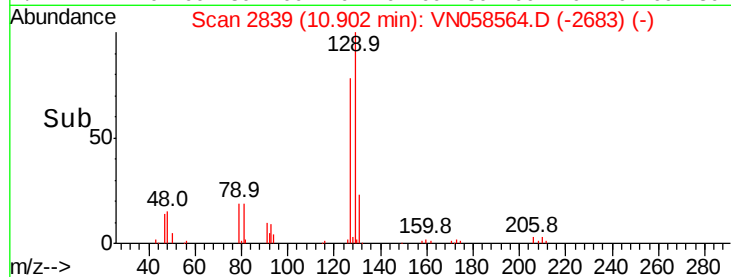
20000

10000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.872 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN058564.D

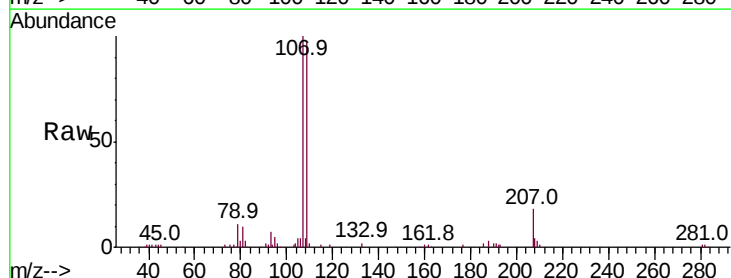
Acq: 7 Oct 2019 14:01

Tgt Ion:107 Resp: 95906

Ion Ratio Lower Upper

107 100

109 95.2 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

60000

50000

40000

30000

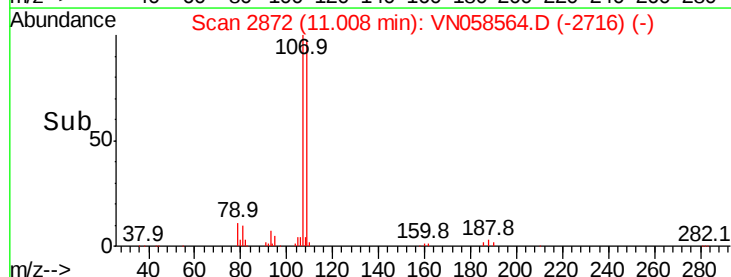
20000

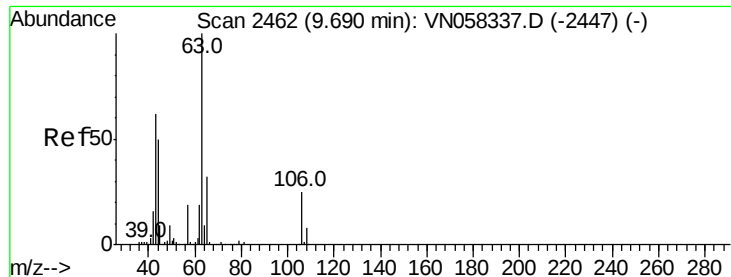
10000

0

10.95 11.00 11.05 11.10

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 114.242 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

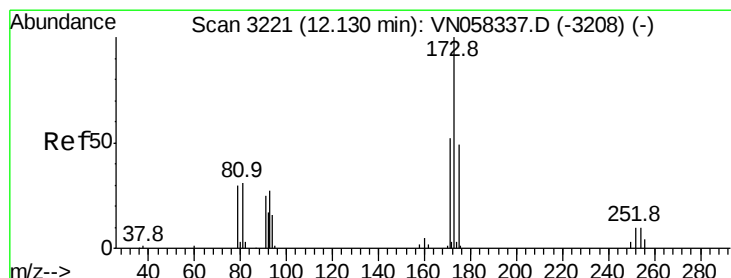
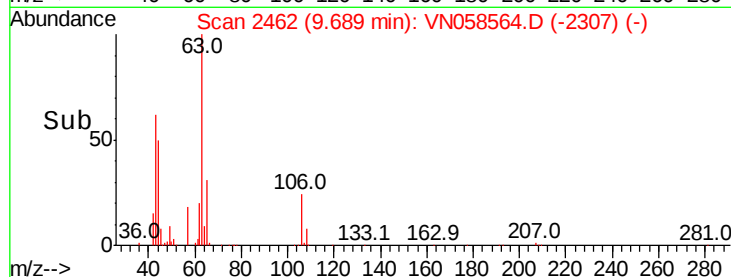
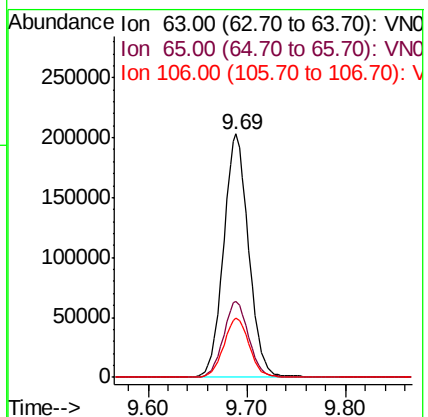
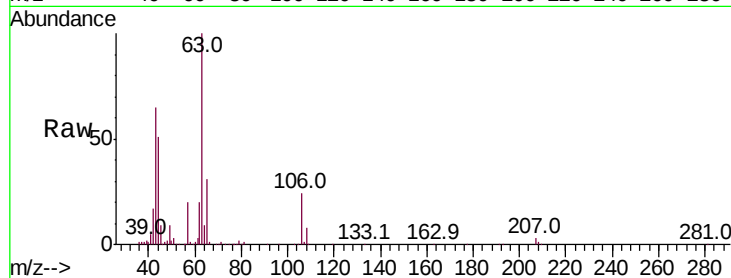
Tot Ion: 63 Resp: 361959

Ion Ratio Lower Upper

63 100

65 31.4 25.4 38.2

106 24.6 20.4 30.6



#56

Bromoform

Concen: 20.553 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

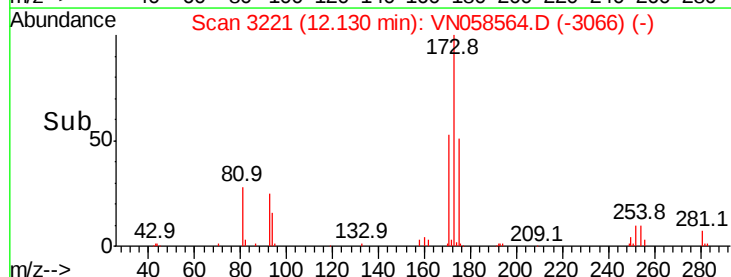
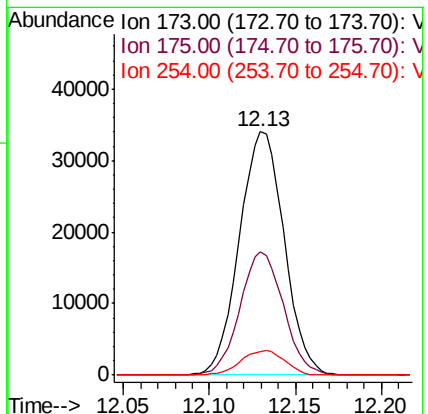
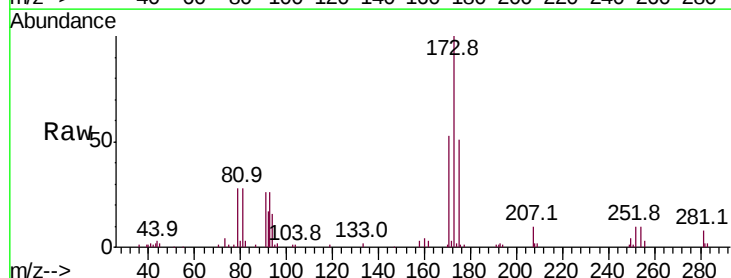
Tgt Ion: 173 Resp: 61594

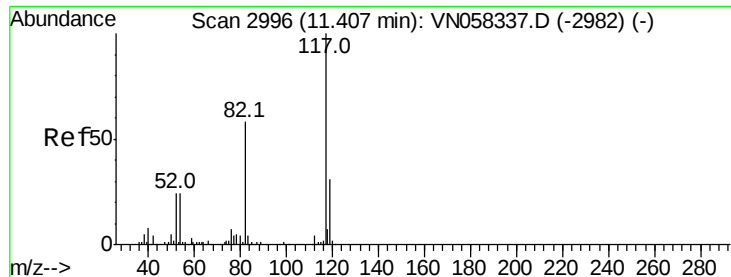
Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

254 9.8 7.8 11.8

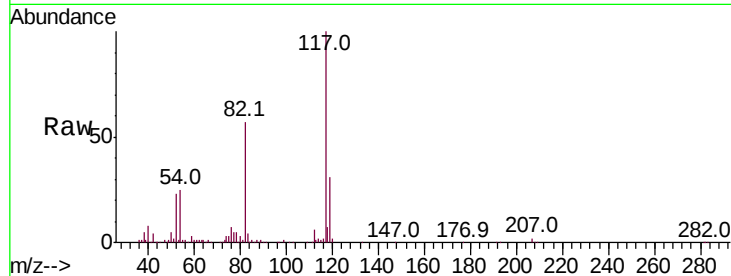




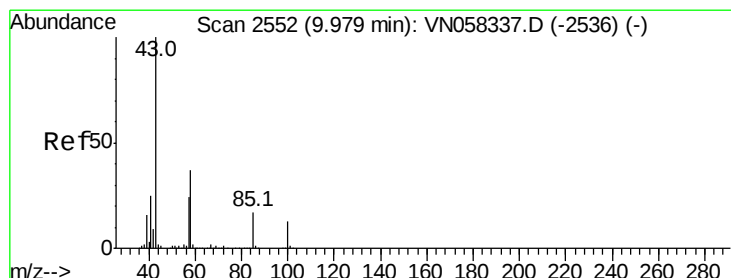
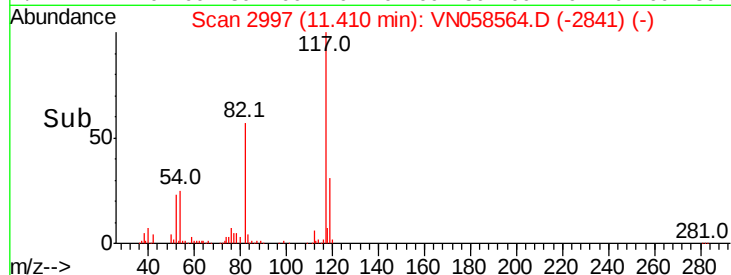
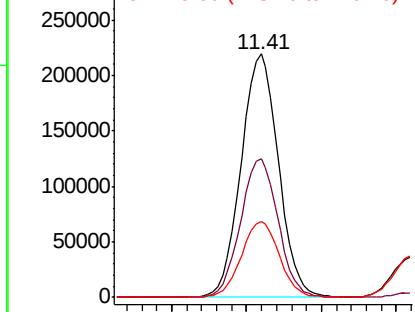
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 381481
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 31.8 25.1 37.7

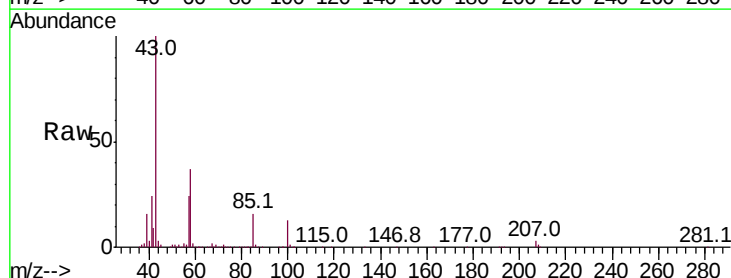


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

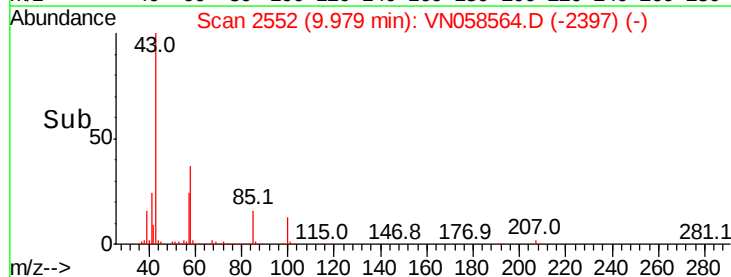
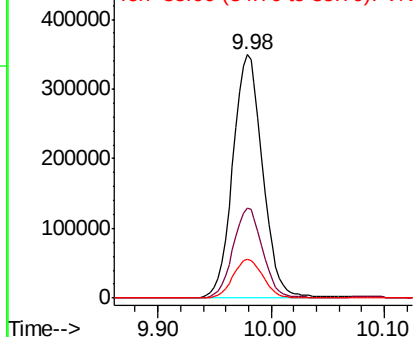


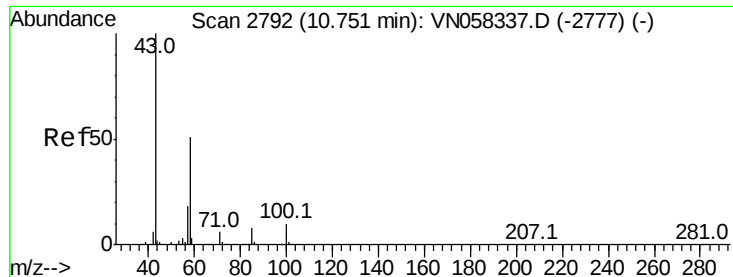
#58
4-Methyl-2-Pentanone
Concen: 107.034 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 43 Resp: 639784
Ion Ratio Lower Upper
43 100
58 36.8 29.3 43.9
85 16.3 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

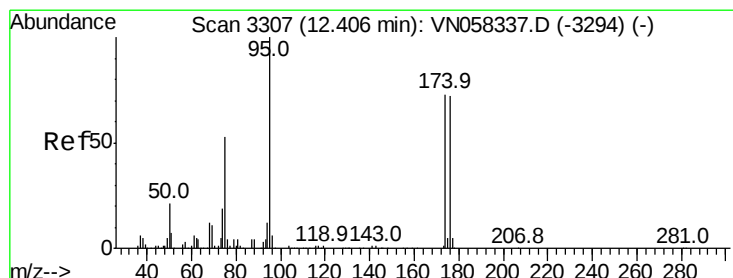
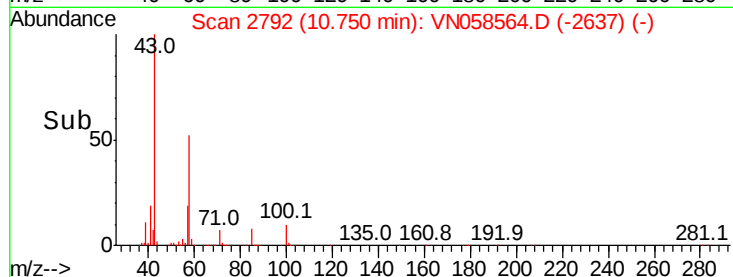
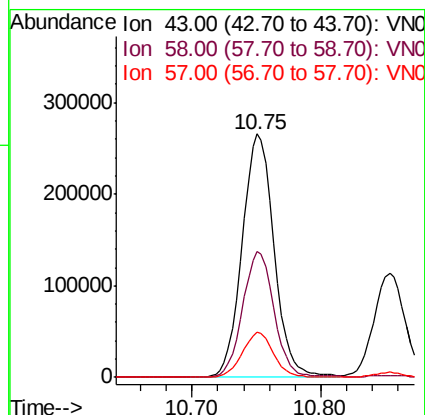
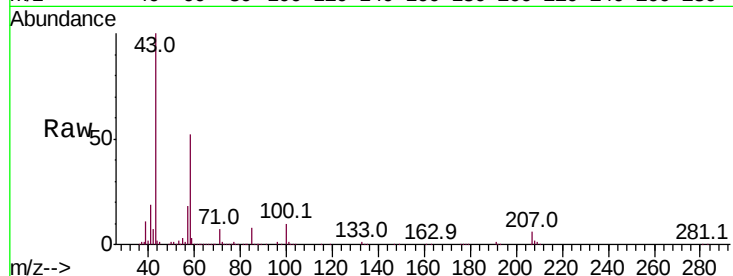




#59
2-Hexanone
Concen: 100.963 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

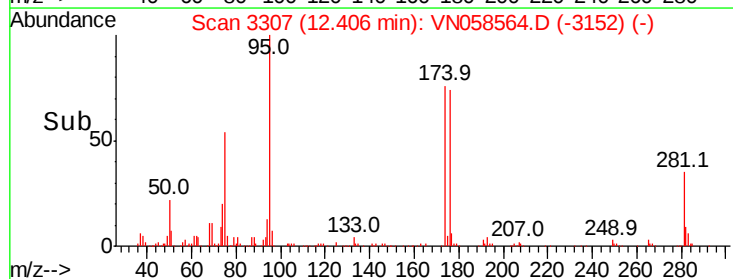
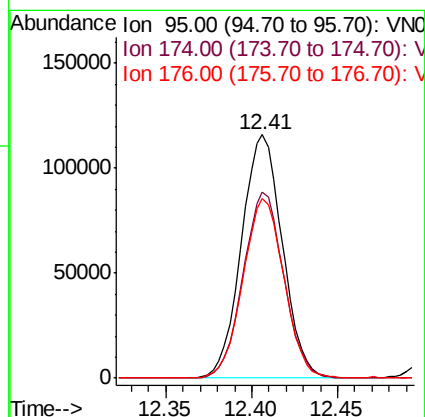
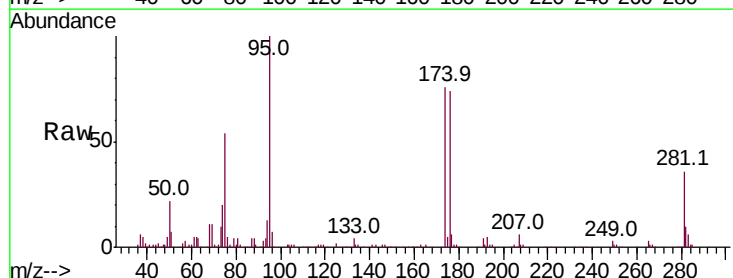
Instrument :
MSVOA_N
ClientSampleId :

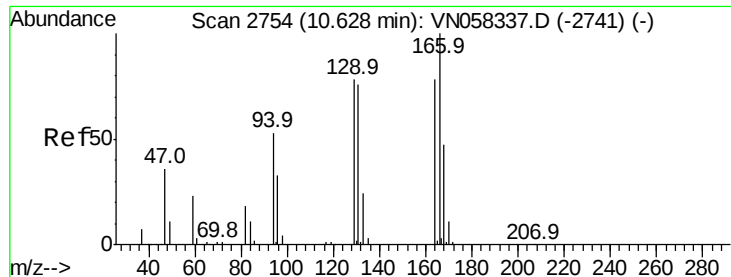
Tot Ion: 43 Resp: 456234
Ion Ratio Lower Upper
43 100
58 51.1 40.7 61.1
57 18.2 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.087 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 95 Resp: 191995
Ion Ratio Lower Upper
95 100
174 76.0 59.0 88.6
176 73.6 58.2 87.2





#61

Tetrachloroethene

Concen: 21.259 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 84962

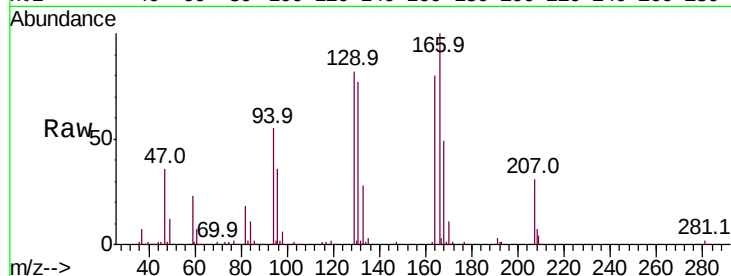
Ion Ratio Lower Upper

164 100

166 124.7 102.6 154.0

129 102.6 79.8 119.6

131 95.2 78.1 117.1

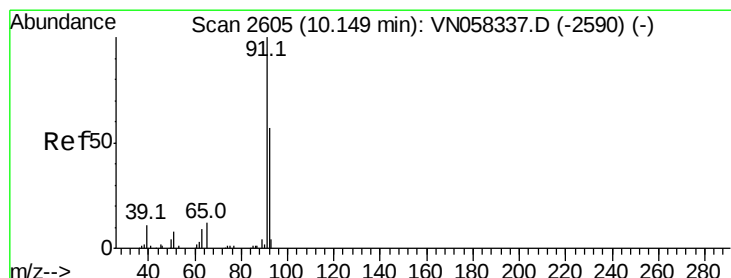
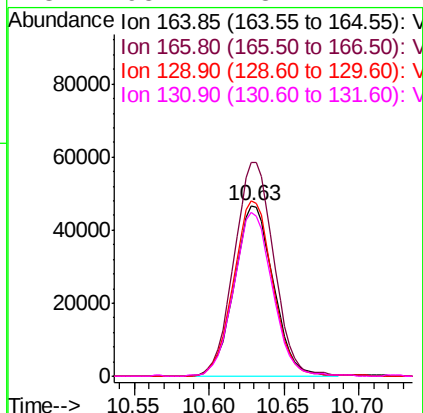
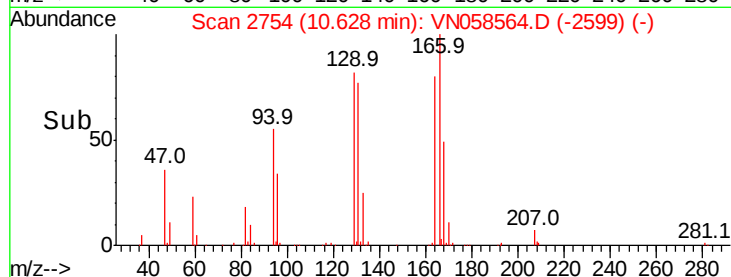


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.086 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058564.D

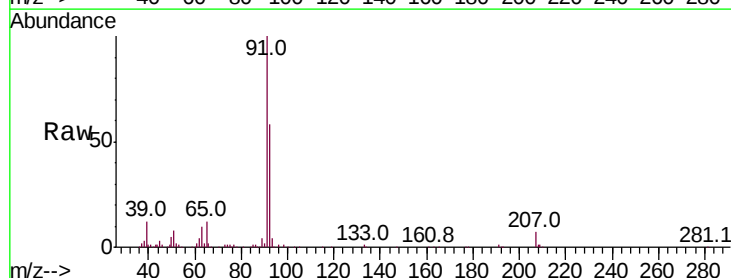
Acq: 7 Oct 2019 14:01

Tgt Ion: 91 Resp: 419656

Ion Ratio Lower Upper

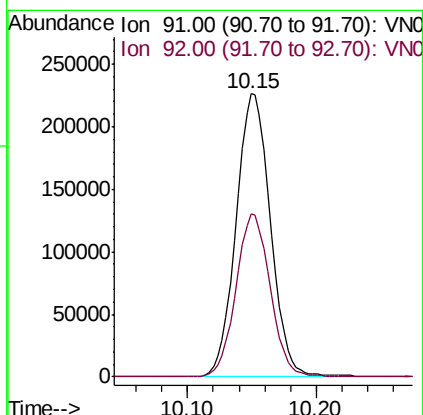
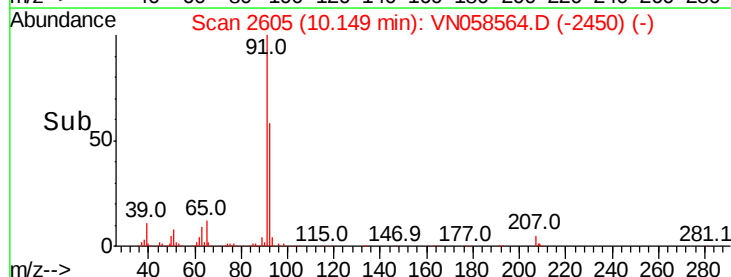
91 100

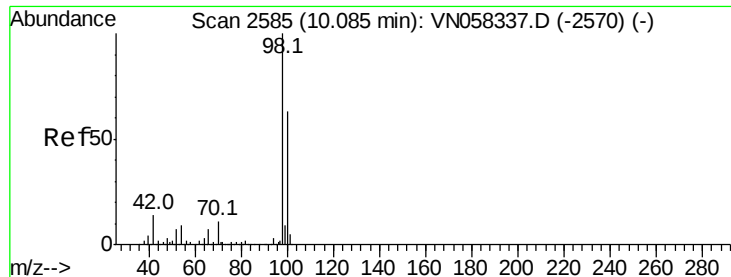
92 57.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.592 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

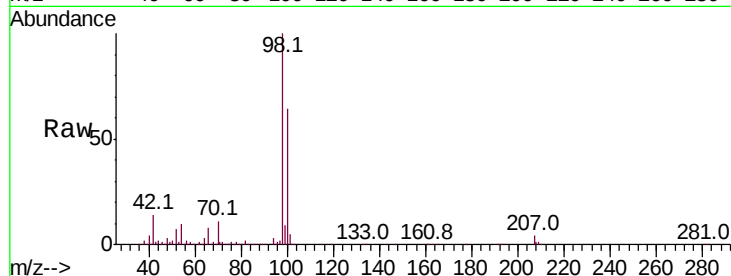
ClientSampleId :

Tot Ion: 98 Resp: 538737

Ion Ratio Lower Upper

98 100

100 64.0 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)

10.08

300000

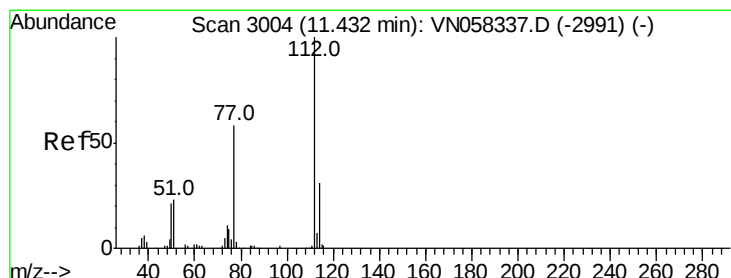
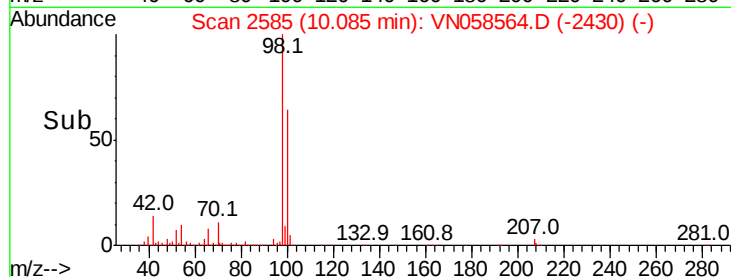
200000

100000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.128 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058564.D

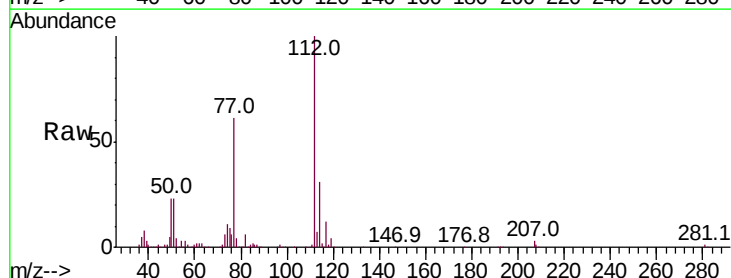
Acq: 7 Oct 2019 14:01

Tgt Ion: 112 Resp: 258429

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN058337.D (-2991) (-)

11.44

150000

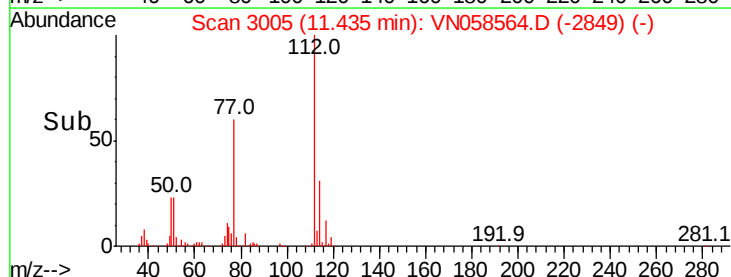
100000

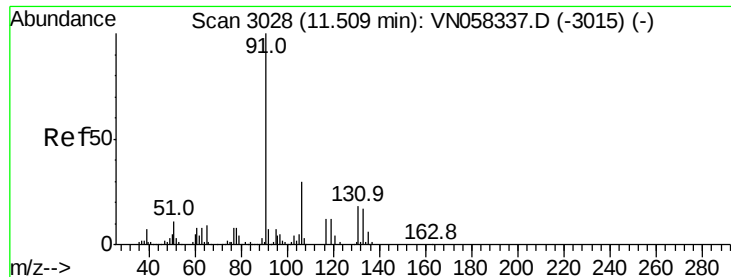
50000

0

11.35 11.40 11.45 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.853 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

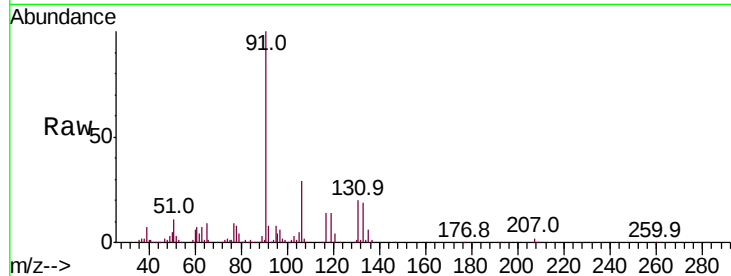
Tot Ion:131 Resp: 93858

Ion Ratio Lower Upper

131 100

133 96.5 0.0 191.8

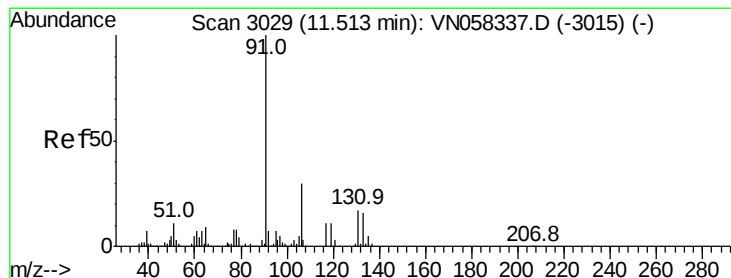
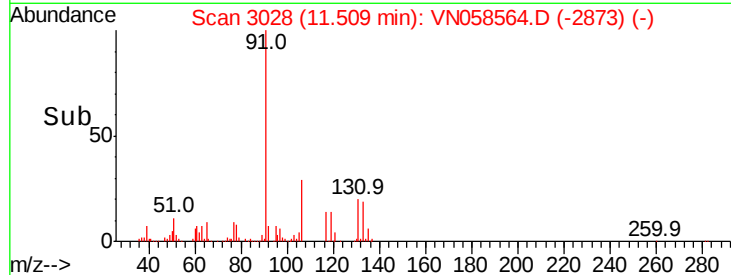
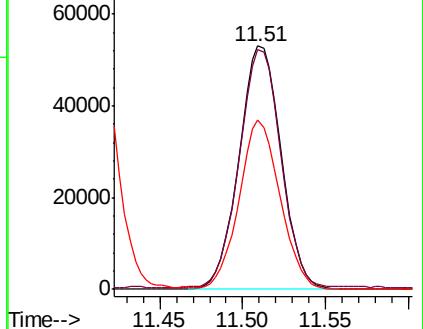
119 67.7 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.810 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058564.D

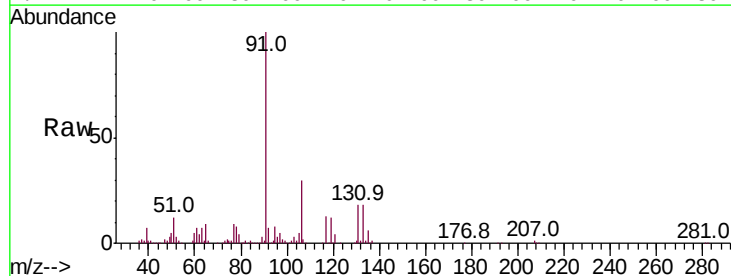
Acq: 7 Oct 2019 14:01

Tgt Ion: 91 Resp: 474098

Ion Ratio Lower Upper

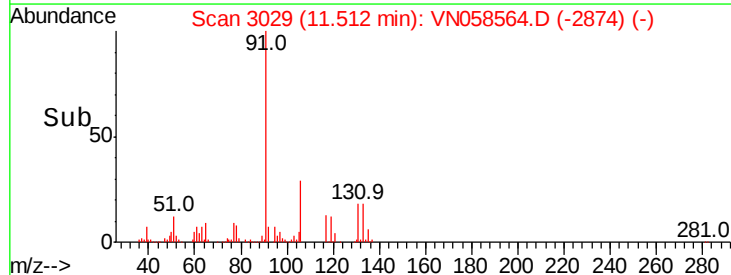
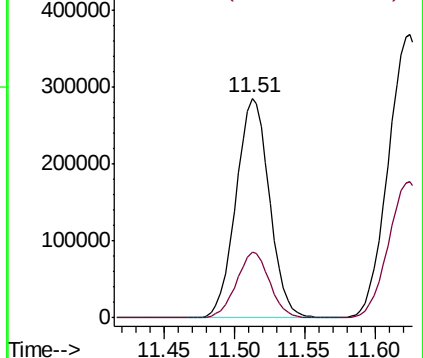
91 100

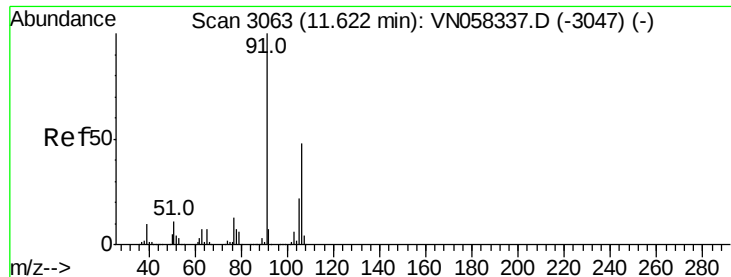
106 30.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.240 ug/l

RT: 11.62 min Scan# 3064

Delta R.T. 0.00 min

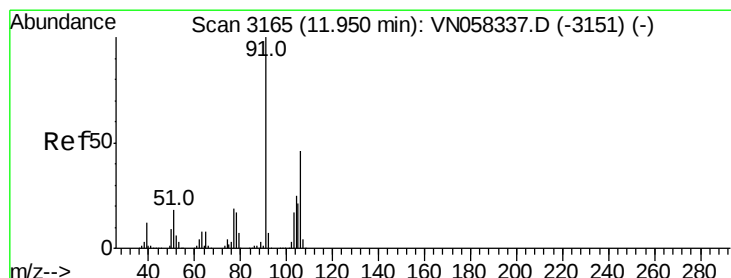
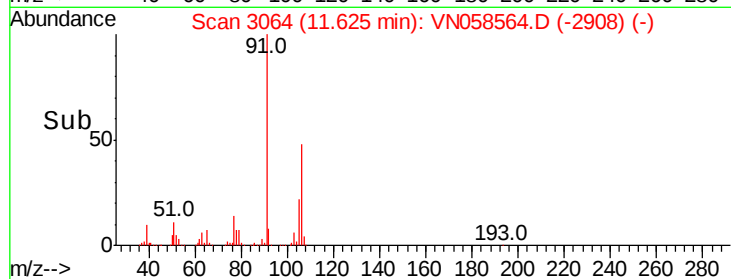
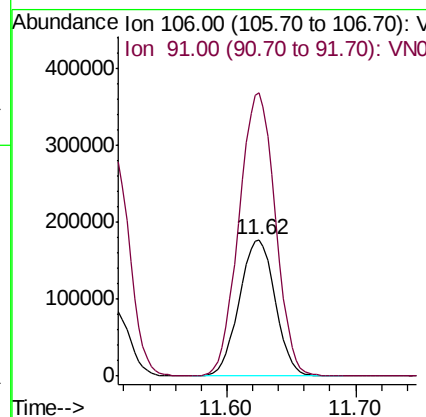
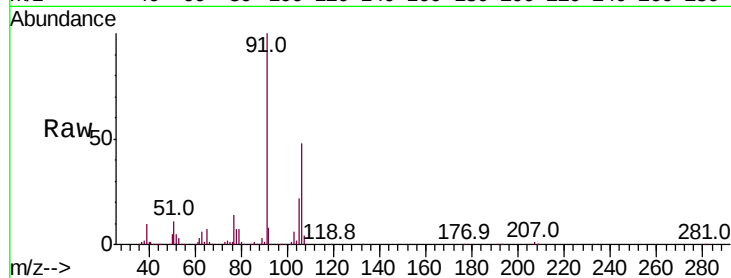
Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 343212

Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.8	251.6



#68

o-Xylene

Concen: 19.631 ug/l

RT: 11.95 min Scan# 3165

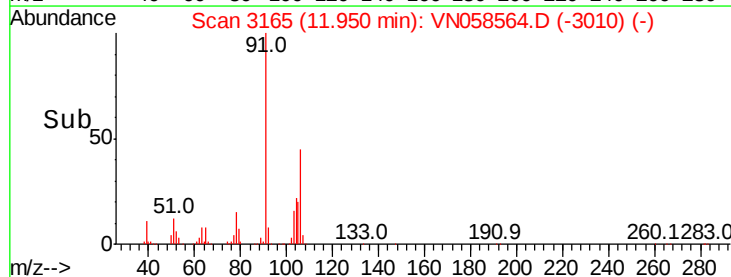
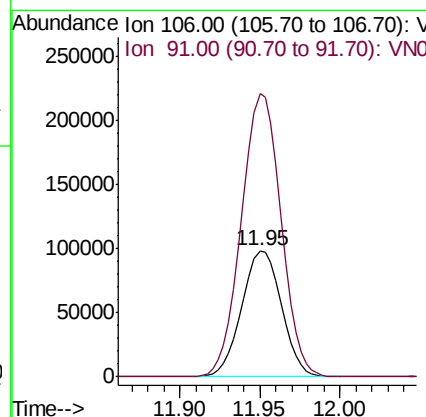
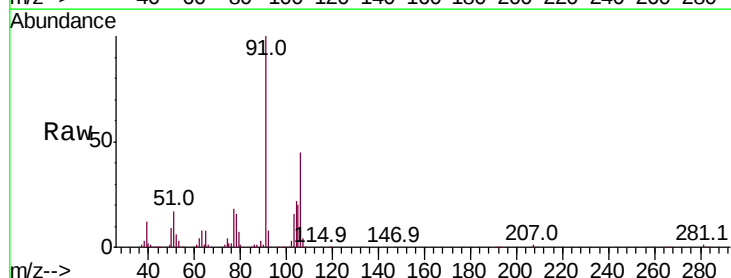
Delta R.T. -0.00 min

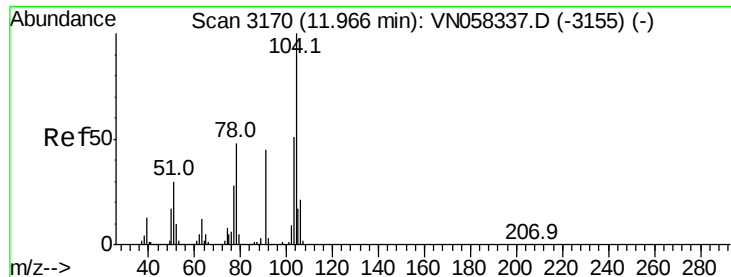
Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Tgt Ion:106 Resp: 166960

Ion	Ratio	Lower	Upper
106	100		
91	223.5	108.7	325.9

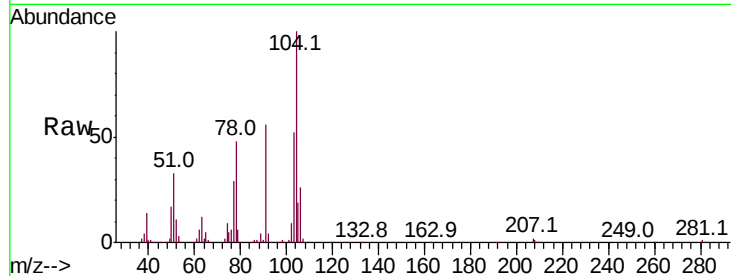




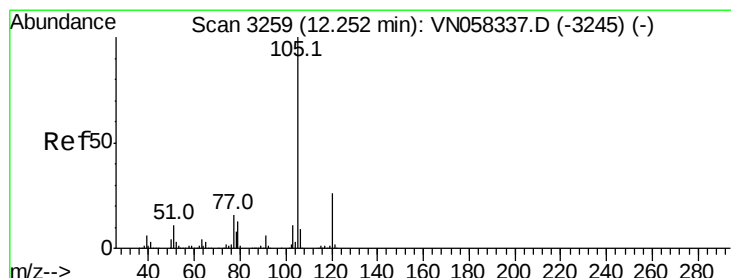
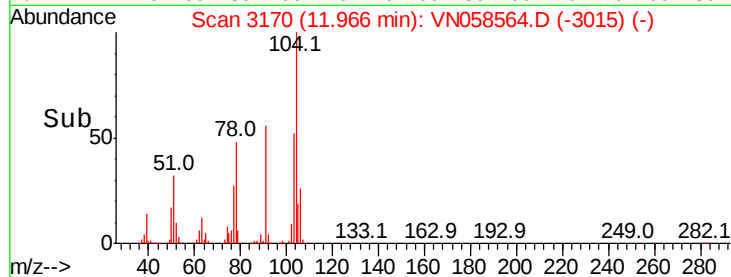
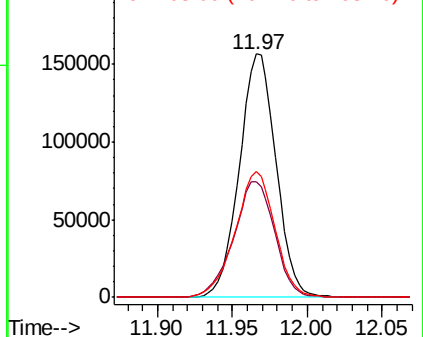
#69
Stvrene
Concen: 18.863 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.3	63.5
103	55.8	44.1	66.1

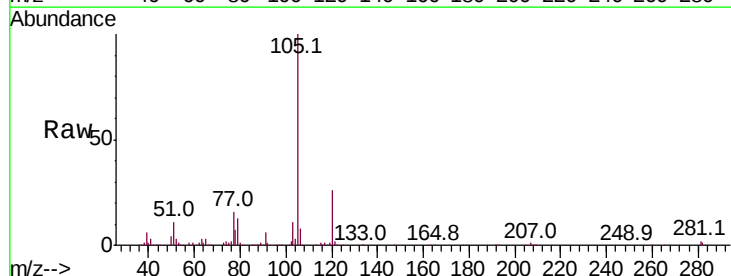


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

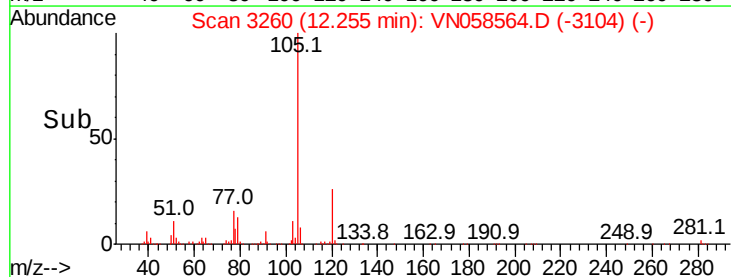
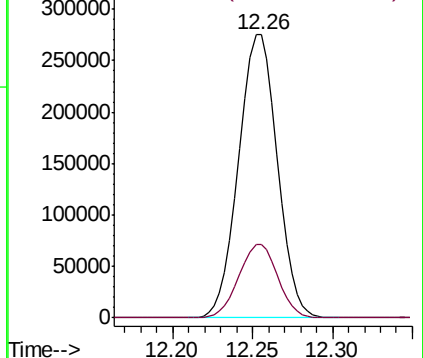


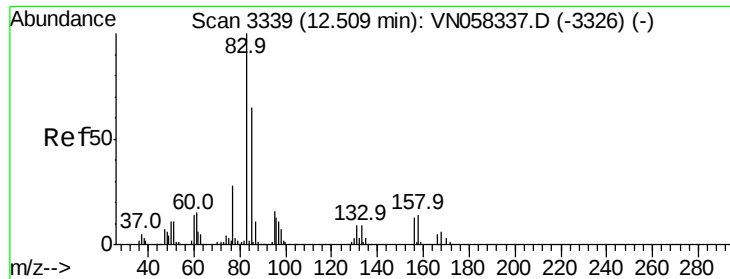
#70
Isopropylbenzene
Concen: 20.595 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.2	33.8



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

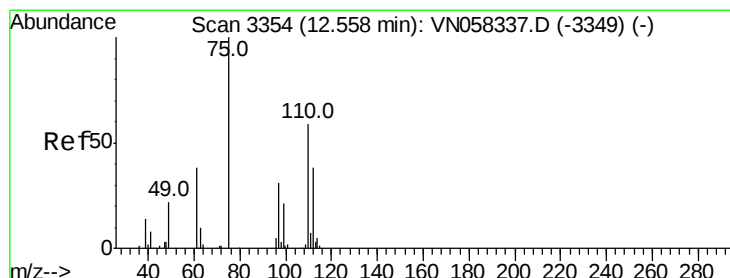
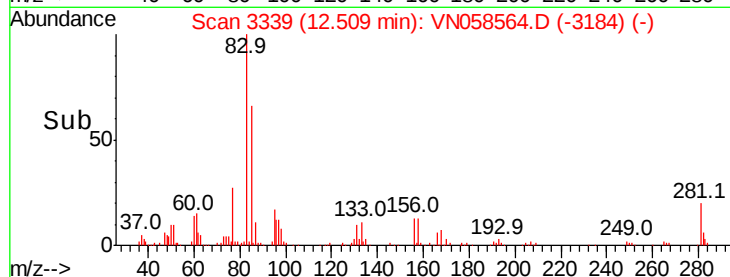
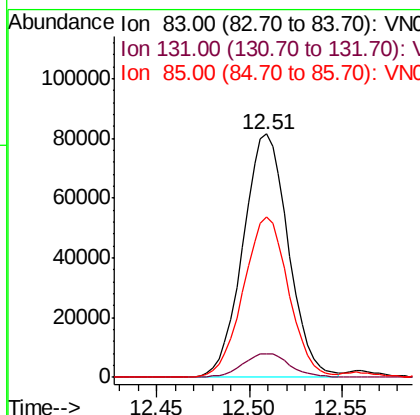
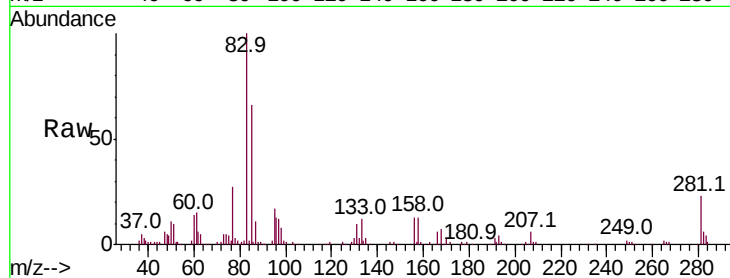




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.831 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

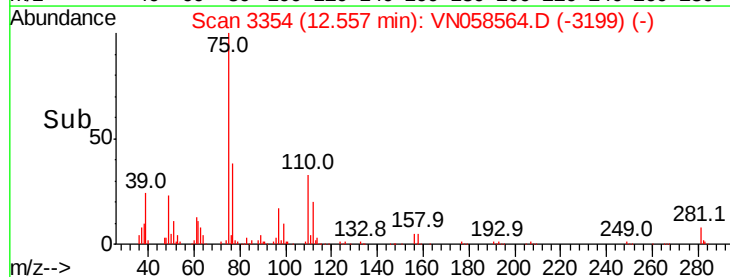
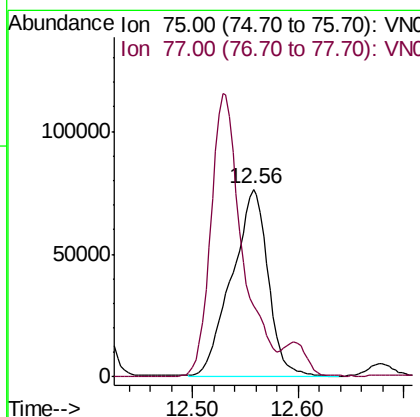
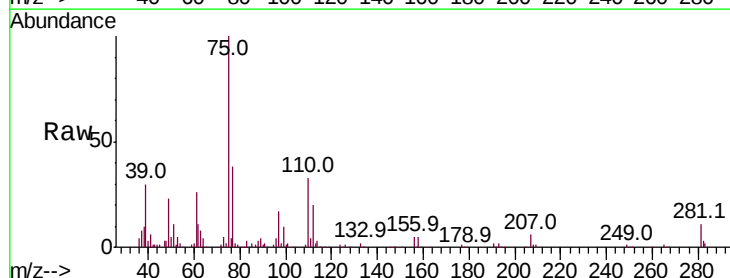
Instrument :
 MSVOA_N
 ClientSampled :

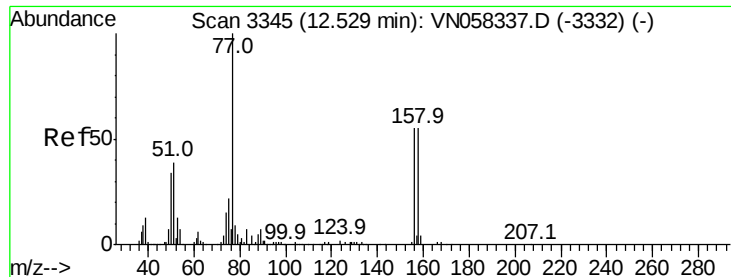
Tot Ion	83	Resp	138914
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	4.8	14.3
85	65.9	32.6	97.7



#72
 1,2,3-Trichloropropane
 Concen: 30.151 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	75	Resp	181637
Ion Ratio	100	Lower	Upper
75	100		
77	131.3	0.0	382.4





#73

Bromobenzene

Concen: 19.692 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

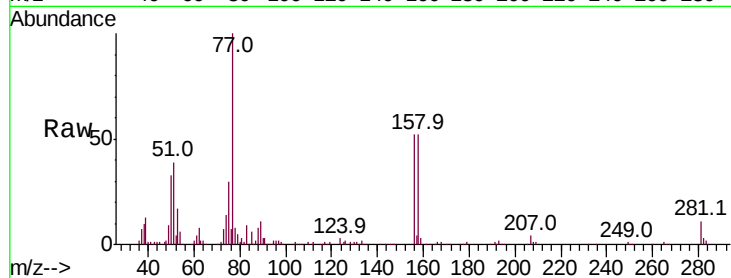
Tot Ion:156 Resp: 105124

Ion Ratio Lower Upper

156 100

77 226.8 0.0 438.8

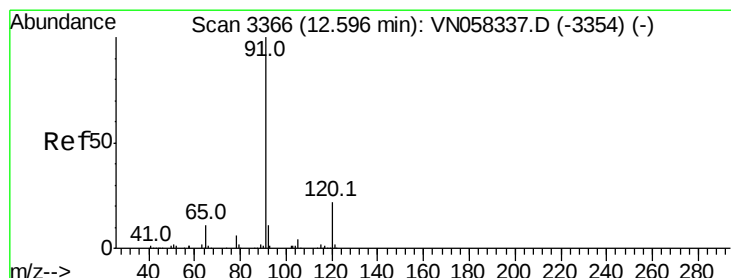
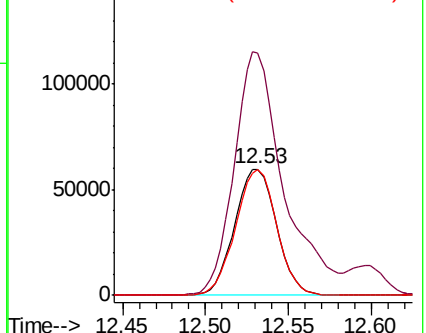
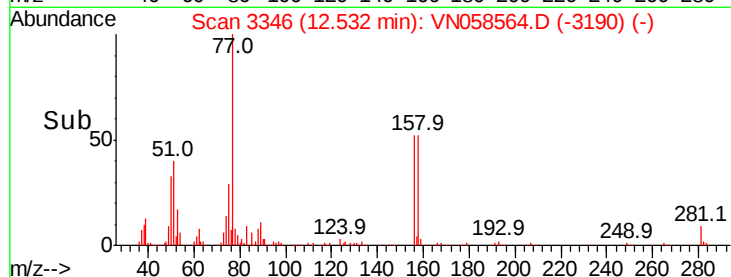
158 97.9 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.804 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058564.D

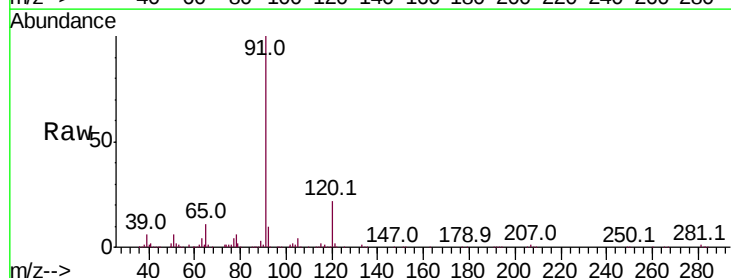
Acq: 7 Oct 2019 14:01

Tgt Ion: 91 Resp: 528584

Ion Ratio Lower Upper

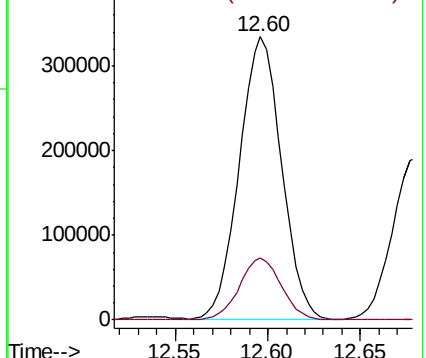
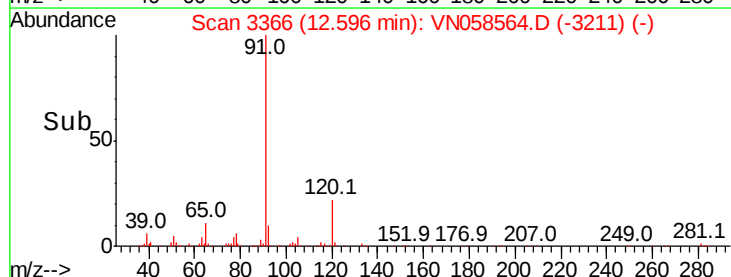
91 100

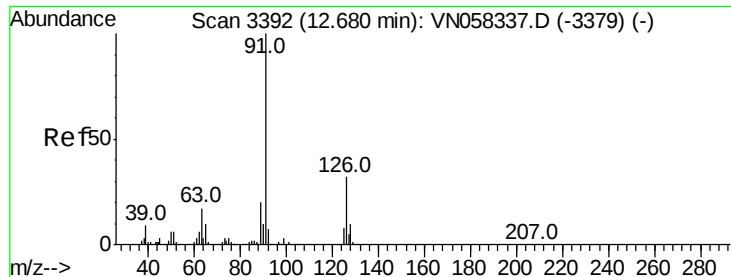
120 21.8 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

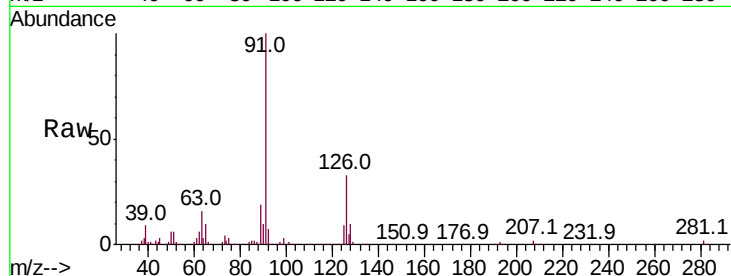
ClientSampled :

Tot Ion: 91 Resp: 317967

Ion Ratio Lower Upper

91 100

126 31.9 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

300000

200000

100000

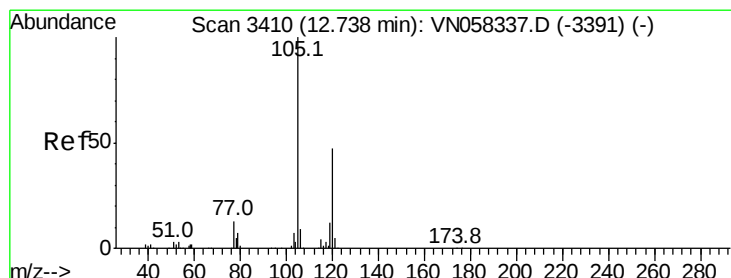
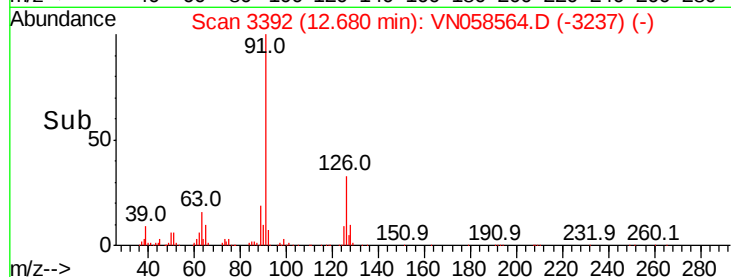
0

12.68

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.967 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058564.D

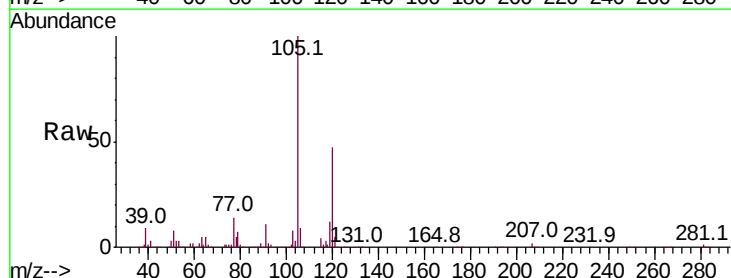
Acq: 7 Oct 2019 14:01

Tgt Ion:105 Resp: 378914

Ion Ratio Lower Upper

105 100

120 47.3 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

250000

200000

150000

100000

50000

0

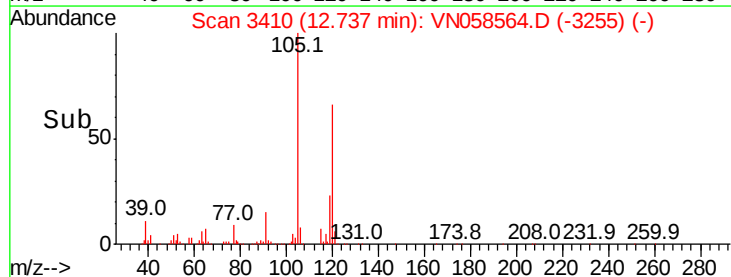
12.74

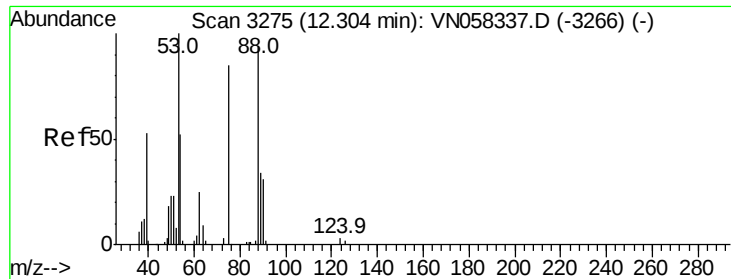
12.70

12.75

12.80

Time-->



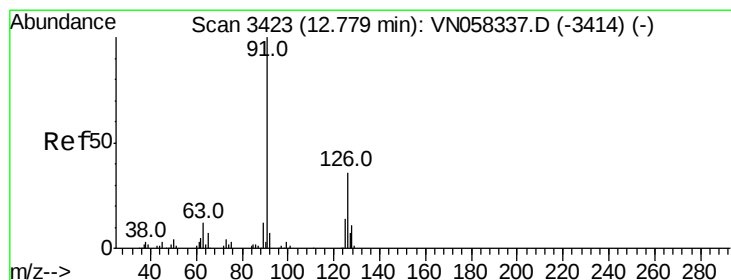
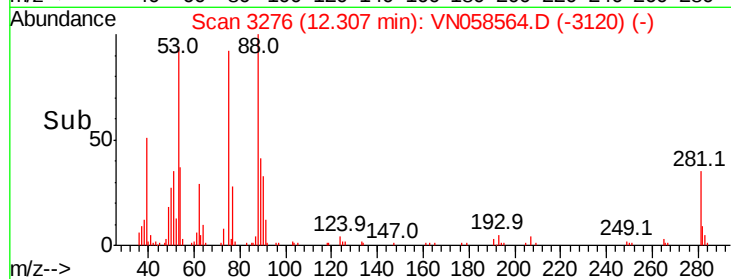
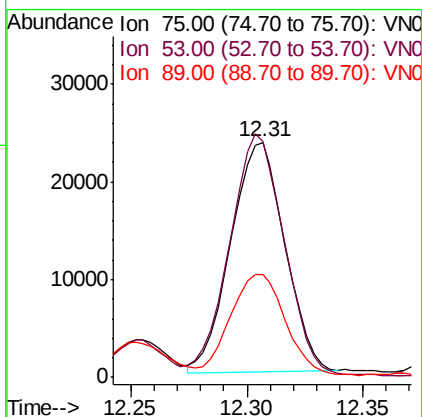
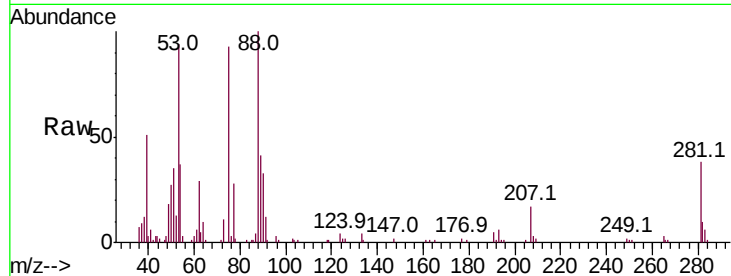


#77
t-1,4-Dichloro-2-butene
Concen: 19.318 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 37962

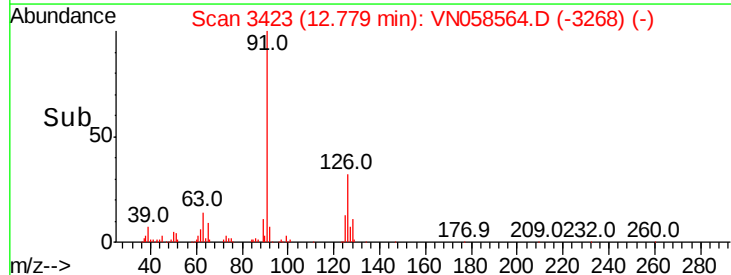
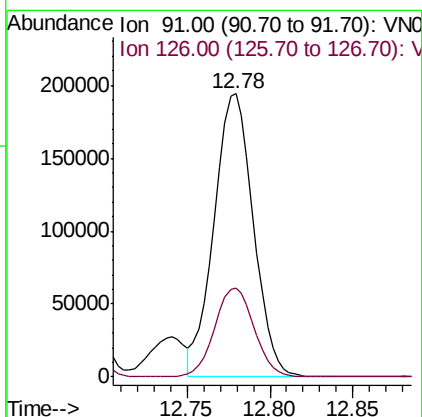
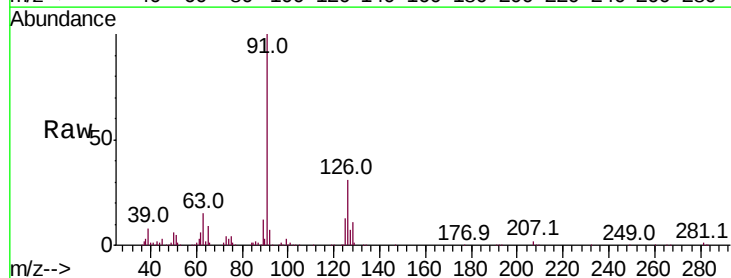
Ion	Ratio	Lower	Upper
75	100		
53	101.8	59.0	176.8
89	43.8	21.6	65.0

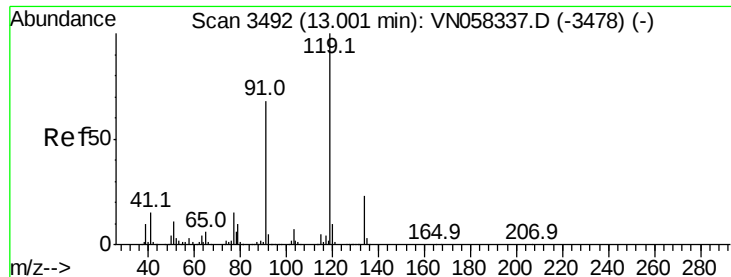


#78
4-Chlorotoluene
Concen: 19.679 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion: 91 Resp: 320559

Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	63.8





#79

tert-butylbenzene

Concen: 19.371 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

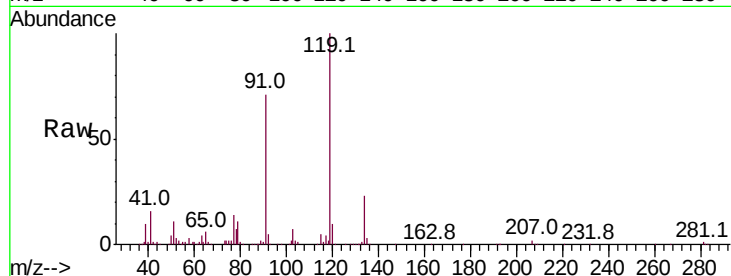
Tot Ion:119 Resp: 318272

Ion Ratio Lower Upper

119 100

91 68.7 0.0 138.2

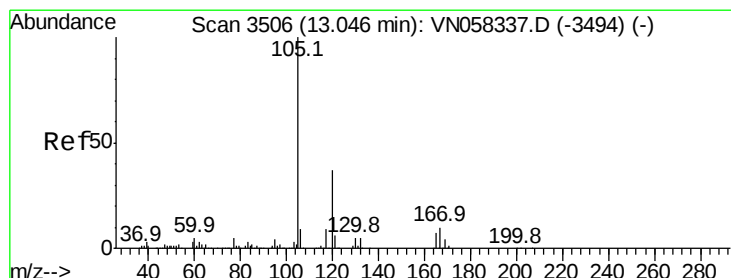
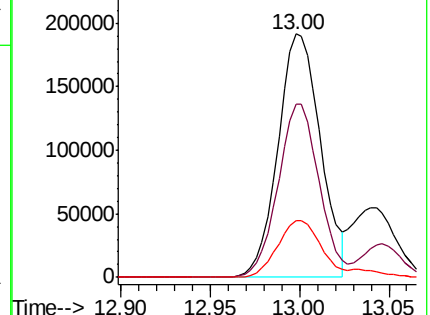
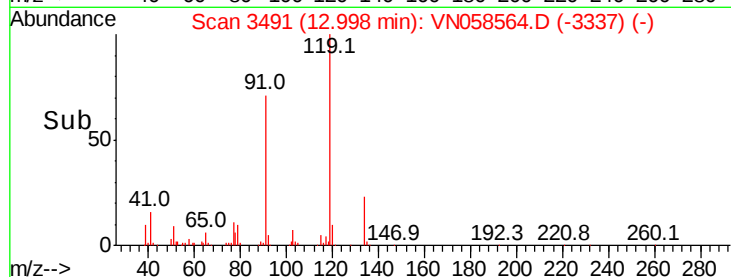
134 24.0 0.0 46.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.076 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058564.D

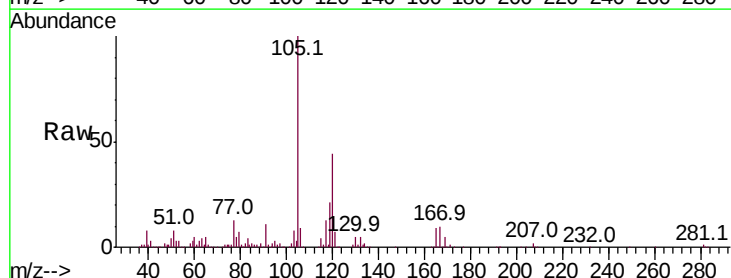
Acq: 7 Oct 2019 14:01

Tgt Ion:105 Resp: 380281

Ion Ratio Lower Upper

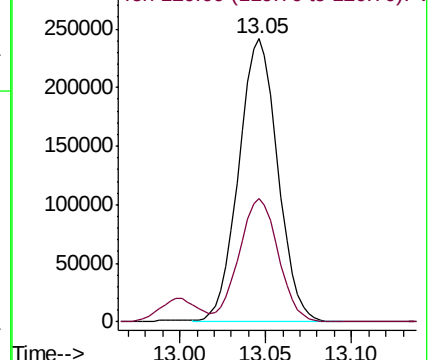
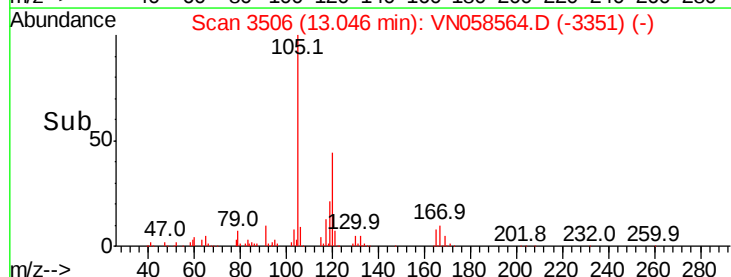
105 100

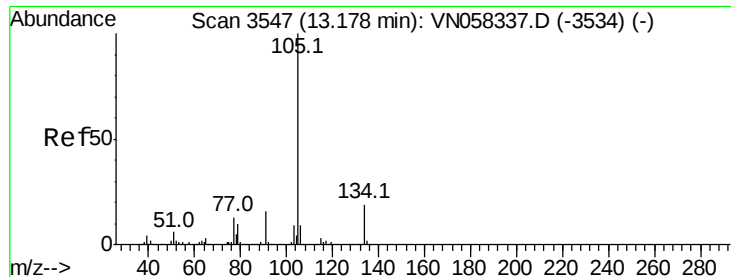
120 43.8 0.0 86.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.034 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

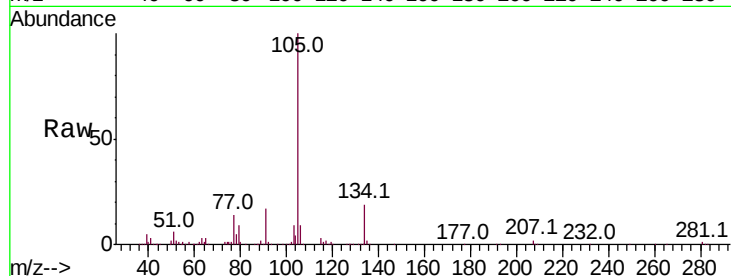
ClientSampleId :

Tot Ion:105 Resp: 431737

Ion Ratio Lower Upper

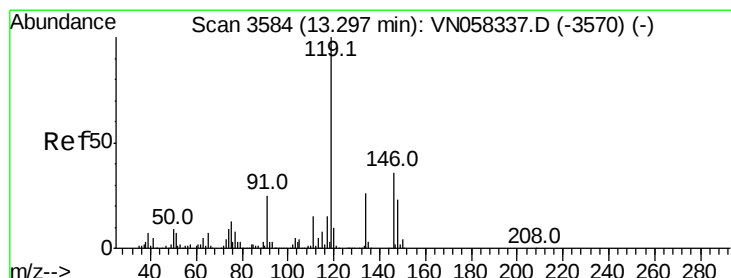
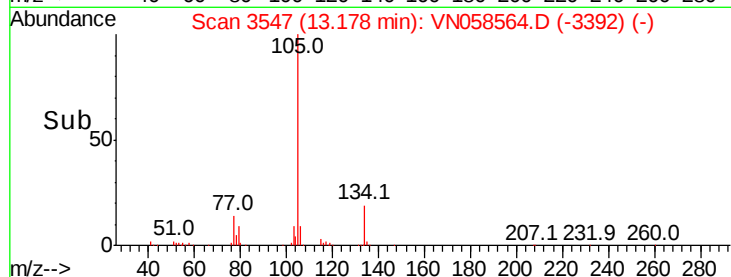
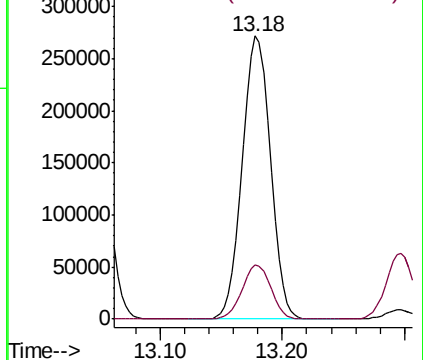
105 100

134 19.4 0.0 38.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.862 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

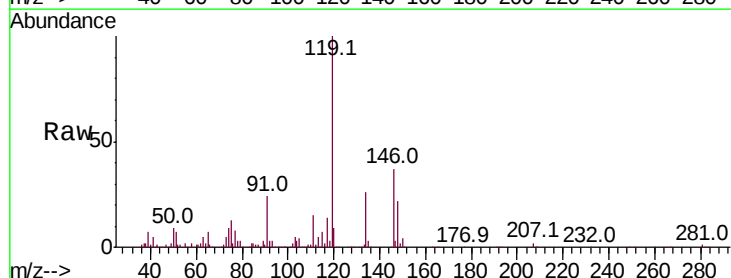
Tgt Ion:119 Resp: 385462

Ion Ratio Lower Upper

119 100

134 25.7 0.0 51.6

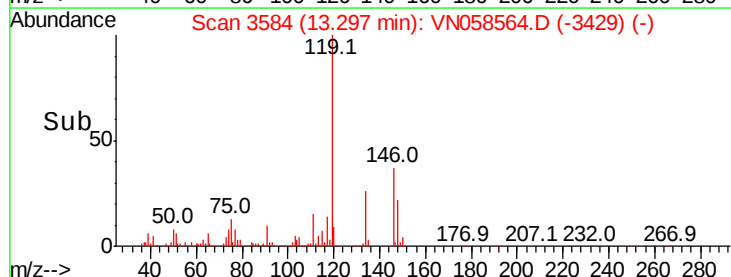
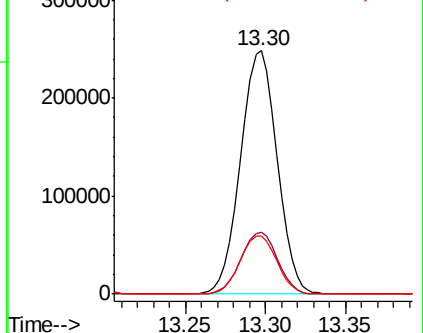
91 24.3 0.0 49.6

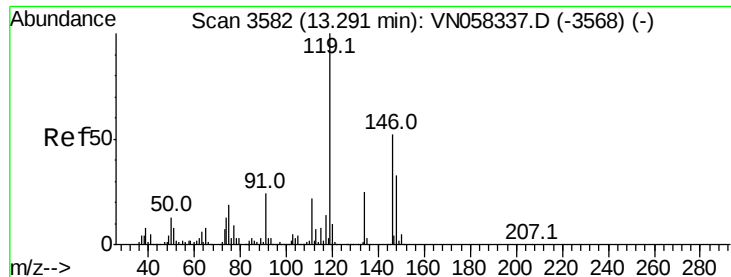


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

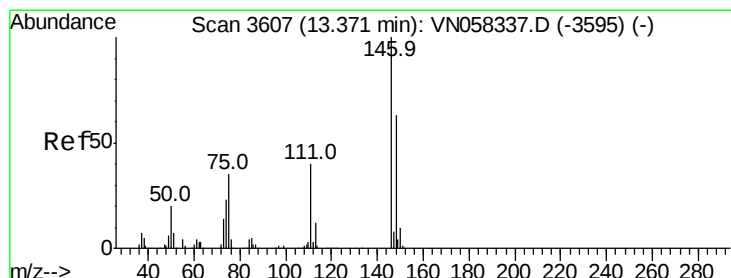
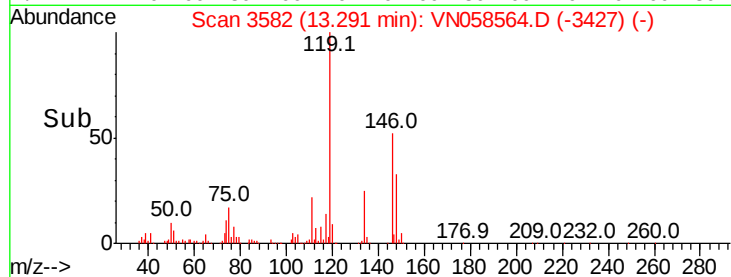
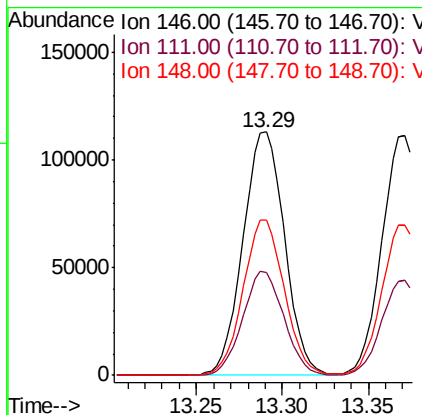
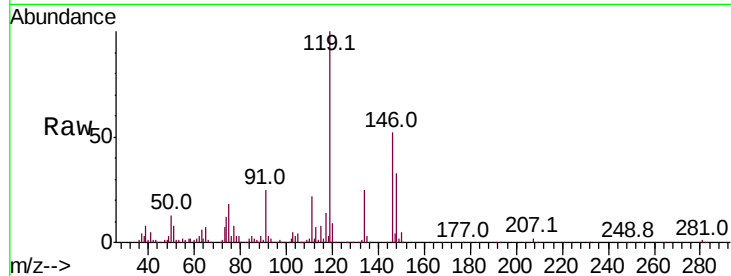




#83
 1,3-Dichlorobenzene
 Concen: 19.313 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

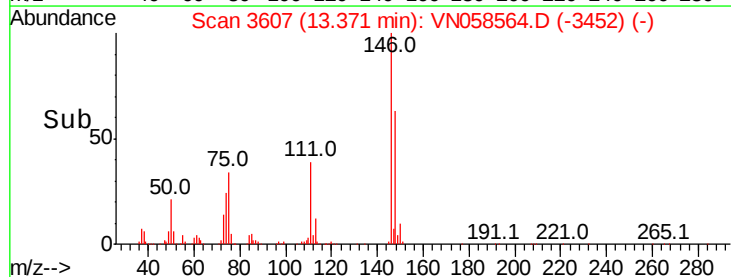
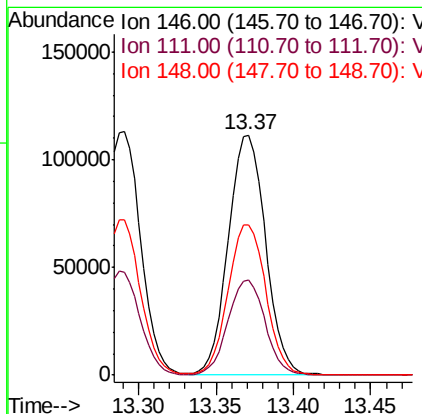
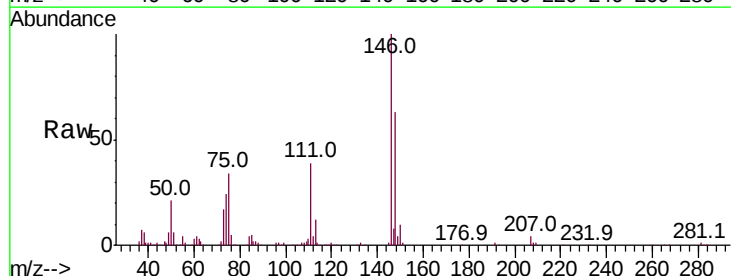
Instrument :
 MSVOA_N
 ClientSampled :

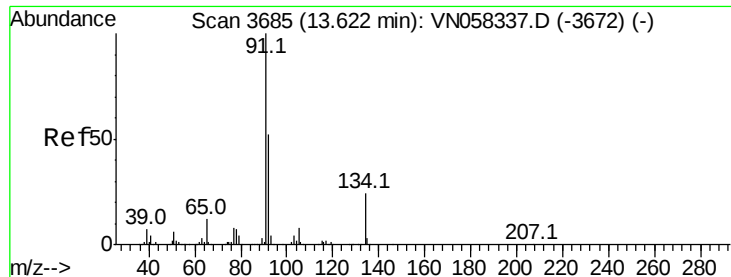
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	62.7	32.0	96.2



#84
 1,4-Dichlorobenzene
 Concen: 18.934 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.4	61.3
148	63.3	31.9	95.7

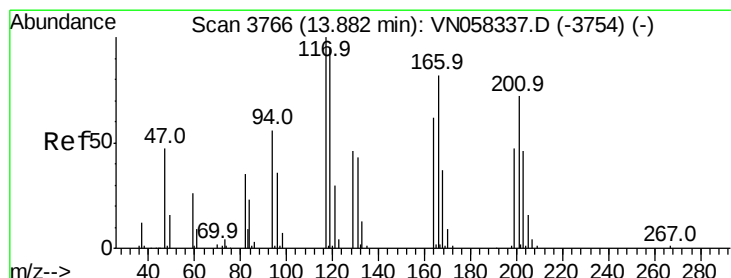
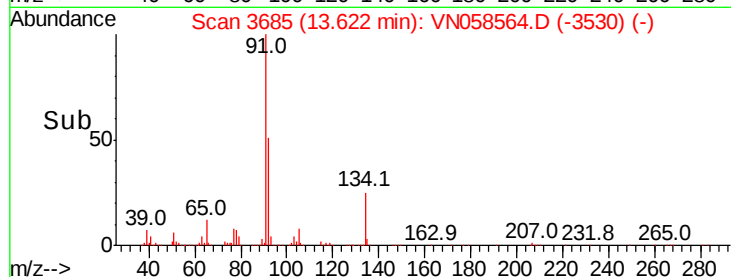
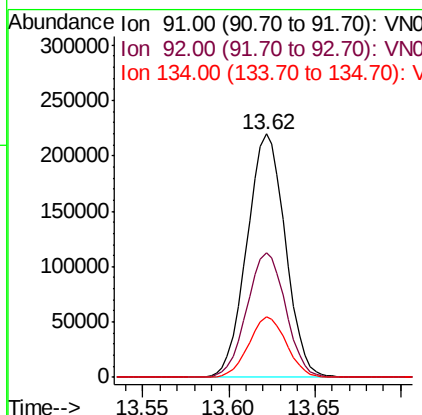
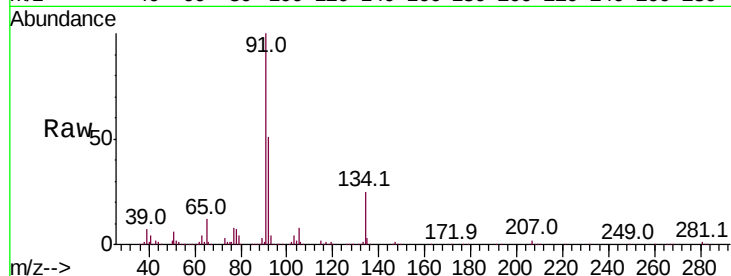




#85
n-Butylbenzene
Concen: 18.852 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

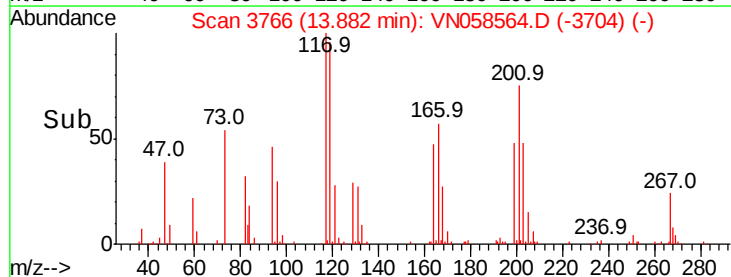
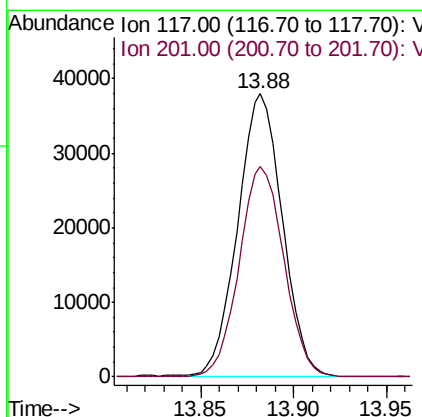
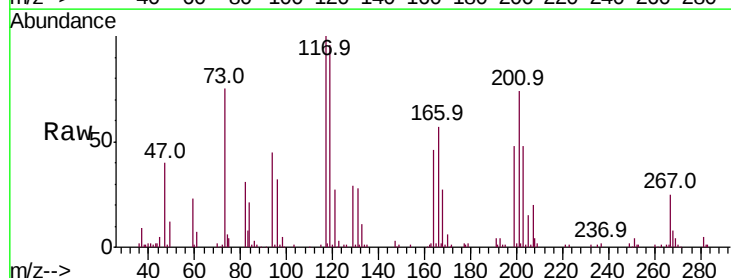
Instrument :
MSVOA_N
ClientSampleId :

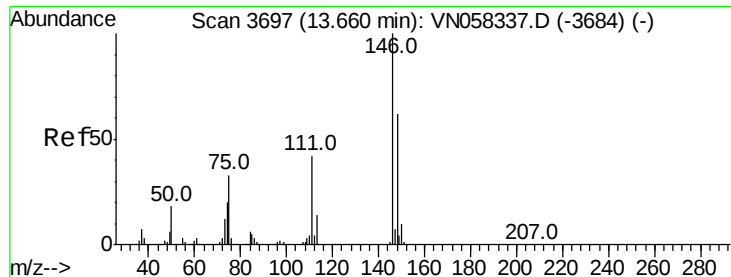
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	102.6
134	24.2	0.0	47.8



#86
Hexachloroethane
Concen: 20.333 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058564.D
Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	37.2	111.6

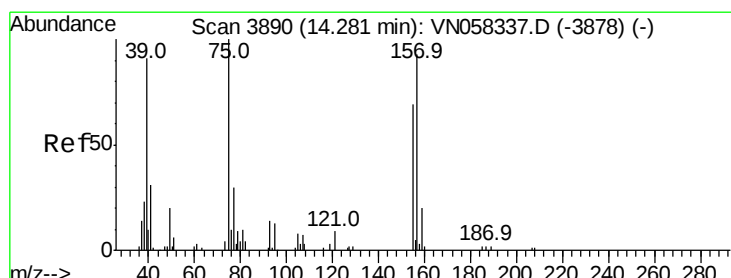
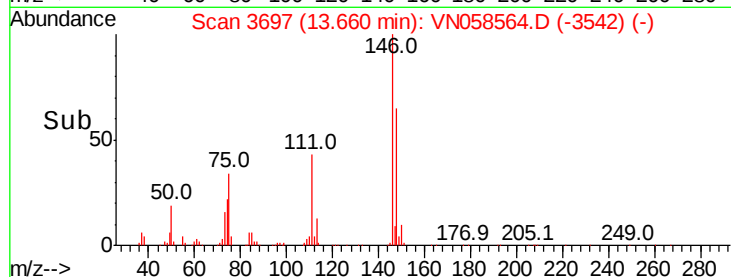
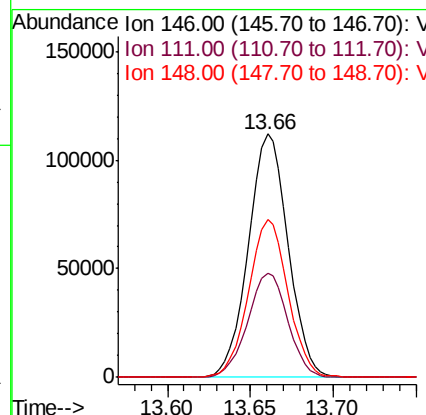
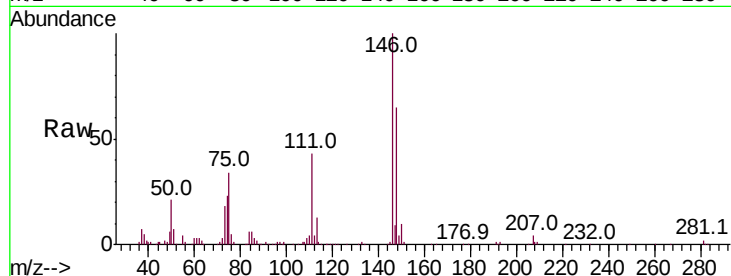




#87
 1,2-Dichlorobenzene
 Concen: 19.401 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

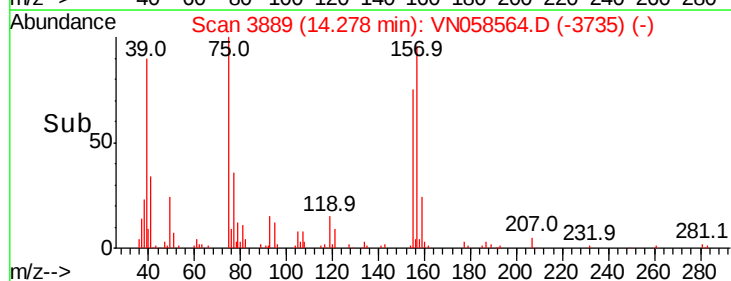
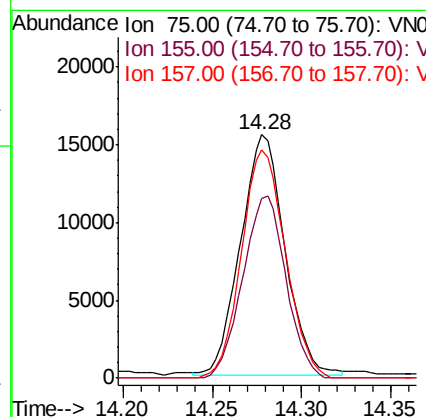
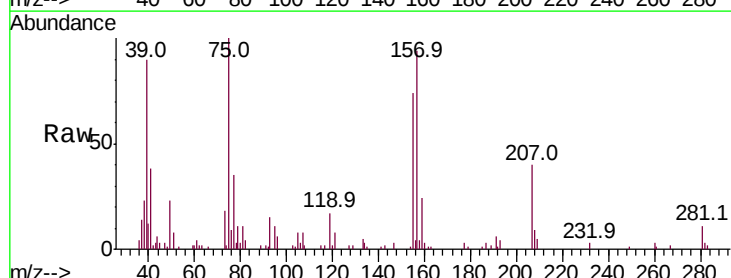
Instrument :
 MSVOA_N
 ClientSampled :

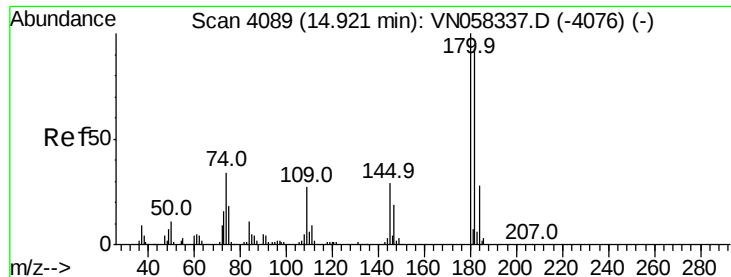
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.3
148	63.6	31.9	95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.568 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058564.D
 Acq: 7 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	58.5	87.7
157	94.4	75.4	113.2





#89

1,2,4-Trichlorobenzene

Concen: 17.084 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

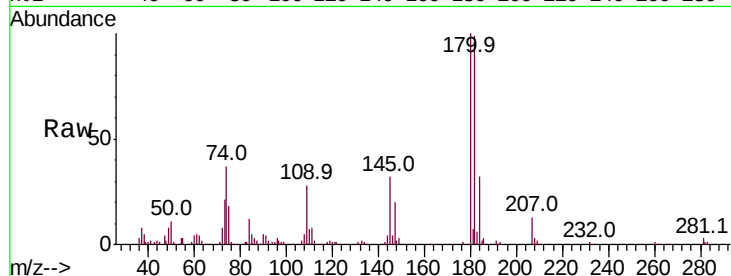
Tot Ion:180 Resp: 107338

Ion Ratio Lower Upper

180 100

182 98.5 75.2 112.8

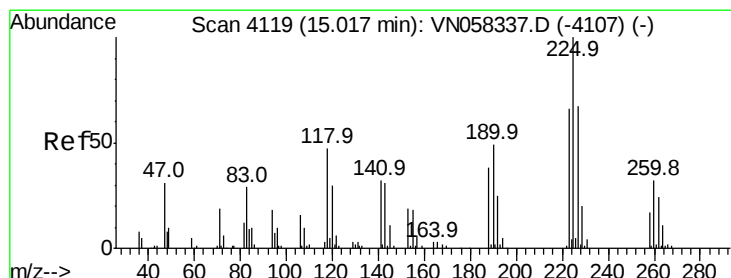
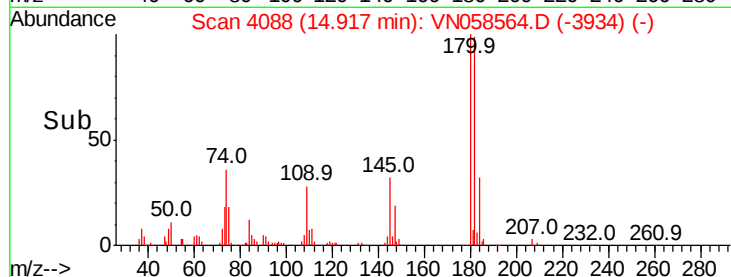
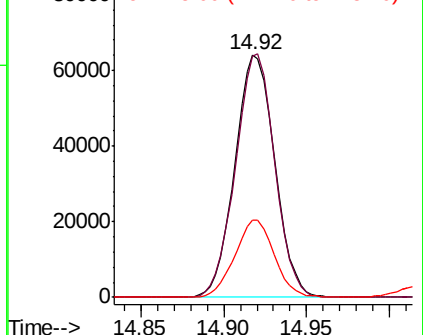
145 31.4 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 16.879 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

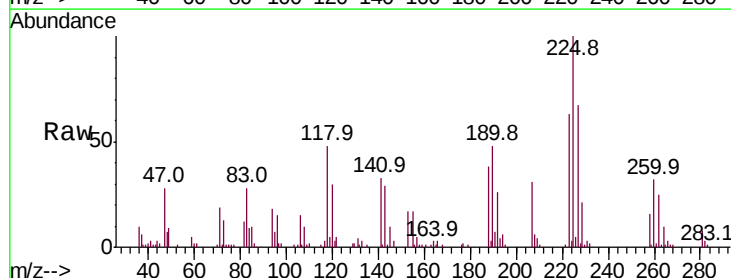
Tgt Ion:225 Resp: 51315

Ion Ratio Lower Upper

225 100

223 61.5 0.0 132.6

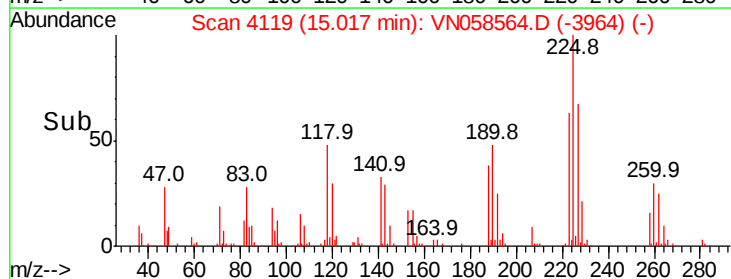
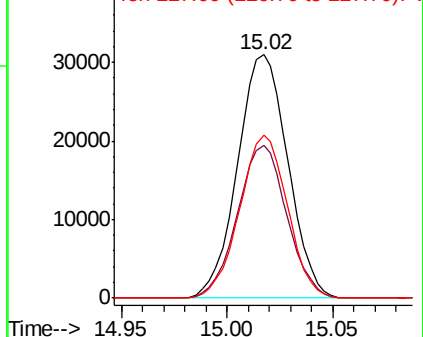
227 63.7 0.0 129.2

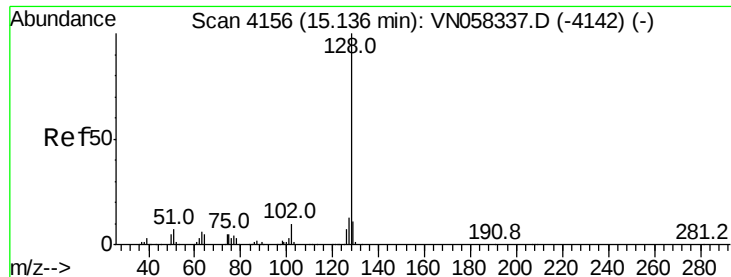


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.562 ug/l

RT: 15.13 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

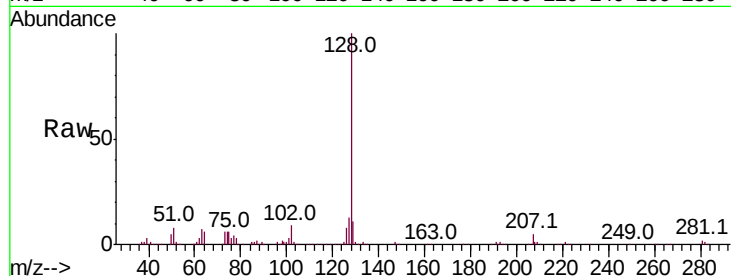
Tot Ion:128 Resp: 320283

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

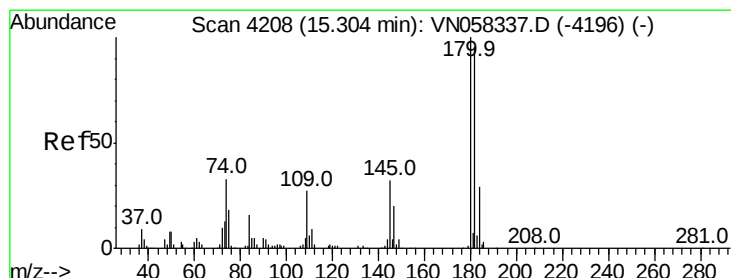
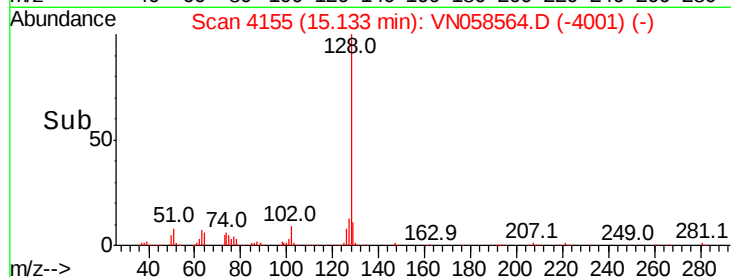
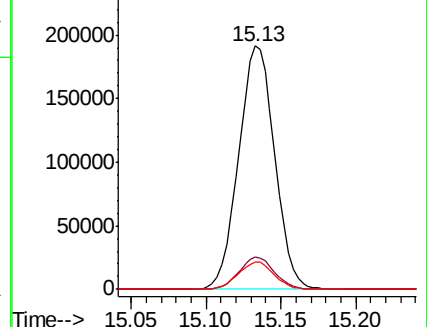
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.559 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058564.D

Acq: 7 Oct 2019 14:01

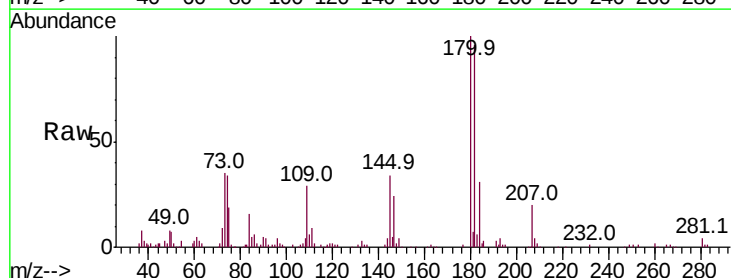
Tgt Ion:180 Resp: 105961

Ion Ratio Lower Upper

180 100

182 95.8 0.0 189.4

145 33.8 0.0 64.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

