

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058239.D
 Acq On : 20 Sep 2019 10:58
 Operator : JC/SP
 Sample : VN0920WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Quant Time: Sep 21 05:38:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	434013	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	390588	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	199435	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	198297	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	10.09	98	562149	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	90479	20.142	ug/l 98
3) Chloromethane	2.04	50	94940	16.950	ug/l 98
4) Vinyl Chloride	2.17	62	98079	17.114	ug/l 98
5) Bromomethane	2.55	94	49708	13.898	ug/l 94
6) Chloroethane	2.69	64	60299	16.930	ug/l 97
7) Trichlorofluoromethane	3.00	101	123079	18.590	ug/l 99
8) Diethyl Ether	3.39	74	53050	19.862	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84285	20.387	ug/l 99
10) 1,1-Dichloroethene	3.72	96	76202	19.383	ug/l 95
11) Methyl Iodide	3.93	142	76894	14.619	ug/l 97
12) Methyl Acetate	4.30	43	108432	20.098	ug/l 94
13) Acrolein	3.58	56	29948	102.308	ug/l 95
14) Acrylonitrile	4.96	53	218014	99.125	ug/l # 92
15) Acetone	3.80	58	60024	96.131	ug/l 96
16) Carbon Disulfide	4.03	76	159418	17.414	ug/l 99
17) Allyl chloride	4.30	41	141112	19.589	ug/l 95
18) Methylene Chloride	4.53	84	95700	19.318	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	84820	19.358	ug/l 98
20) Diisopropyl ether	5.93	45	327641	19.455	ug/l 99
21) 1,1-Dichloroethane	5.83	63	184386	19.856	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	104958	19.550	ug/l 100
23) tert-Butyl Alcohol	4.75	59	58706	81.763	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	295979	19.642	ug/l # 100
25) Chloroform	7.36	83	185185	19.588	ug/l 100
26) Cyclohexane	7.64	56	151057	19.360	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	135734	19.880	ug/l 99
30) 2-Butanone	6.82	43	298349	96.913	ug/l 99
31) 2,2-Dichloropropane	6.81	77	141895	19.684	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	153375	19.980	ug/l 99
33) Carbon Tetrachloride	7.76	117	120668	19.269	ug/l 96
34) Benzene	8.03	78	405678	20.053	ug/l 97
35) Methacrylonitrile	7.19	41	183493	64.262	ug/l # 55
36) 1,2-Dichloroethane	8.11	62	161760	20.605	ug/l 97
37) Trichloroethene	8.82	130	94481	19.228	ug/l 94
38) Methylcyclohexane	9.07	83	150665	19.379	ug/l 99
39) 1,2-Dichloropropane	9.11	63	111116	19.558	ug/l 96
40) Dibromomethane	9.20	93	70799	20.489	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	132703	19.048	ug/l	96
42) Vinyl Acetate	5.87	43	1287801	104.082	ug/l	99
43) Ethyl Acetate	6.91	43	121687	19.374	ug/l #	82
44) Isopropyl Acetate	8.15	43	210817	19.251	ug/l #	92
45) 1,4-Dioxane	9.19	88	26093	303.218	ug/l	95
46) Methyl methacrylate	9.19	41	101107	18.900	ug/l	98
47) n-amyl Acetate	12.07	43	181036	17.996	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	137643	18.559	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	158134	19.003	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	100838	20.118	ug/l	98
51) Ethyl methacrylate	10.43	69	147103	18.928	ug/l	96
52) 1,3-Dichloropropane	10.71	76	173439	19.786	ug/l	98
53) Dibromochloromethane	10.90	129	89601	18.101	ug/l	100
54) 1,2-Dibromoethane	11.00	107	94607	18.970	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	339933	92.049	ug/l	99
56) Bromoform	12.13	173	53895	17.575	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	636306	105.050	ug/l	99
59) 2-Hexanone	10.75	43	451274	99.281	ug/l	100
61) Tetrachloroethene	10.63	164	77463	19.506	ug/l	97
62) Toluene	10.15	91	439574	20.325	ug/l	100
64) Chlorobenzene	11.43	112	260894	19.446	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	92983	19.961	ug/l	97
66) Ethyl Benzene	11.51	91	482834	20.456	ug/l	100
67) m/p-Xylenes	11.62	106	351372	39.002	ug/l	97
68) o-Xylene	11.95	106	170010	19.263	ug/l	99
69) Styrene	11.97	104	292520	19.439	ug/l	99
70) Isopropylbenzene	12.25	105	474786	20.348	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	142452	19.535	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	171898	26.559	ug/l	77
73) Bromobenzene	12.53	156	111163	19.900	ug/l	98
74) n-propylbenzene	12.60	91	559796	20.999	ug/l	100
75) 2-Chlorotoluene	12.68	91	328691	19.795	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	399416	20.103	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	32852	17.109	ug/l	99
78) 4-Chlorotoluene	12.78	91	335812	19.827	ug/l	99
79) tert-butylbenzene	13.00	119	344118	19.853	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	393590	19.881	ug/l	99
81) sec-Butylbenzene	13.18	105	470162	20.443	ug/l	99
82) p-Isopropyltoluene	13.29	119	408462	19.832	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	200408	19.301	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	196539	19.226	ug/l	98
85) n-Butylbenzene	13.62	91	372833	19.423	ug/l	99
86) Hexachloroethane	13.88	117	60386	18.407	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	201902	20.032	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23966	18.666	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	118192	19.197	ug/l	98
90) Hexachlorobutadiene	15.02	225	60555	21.416	ug/l	99
91) Naphthalene	15.13	128	312423	18.442	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	112628	19.181	ug/l	99

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QLast Update : Mon Sep 09 12:14:07 2019
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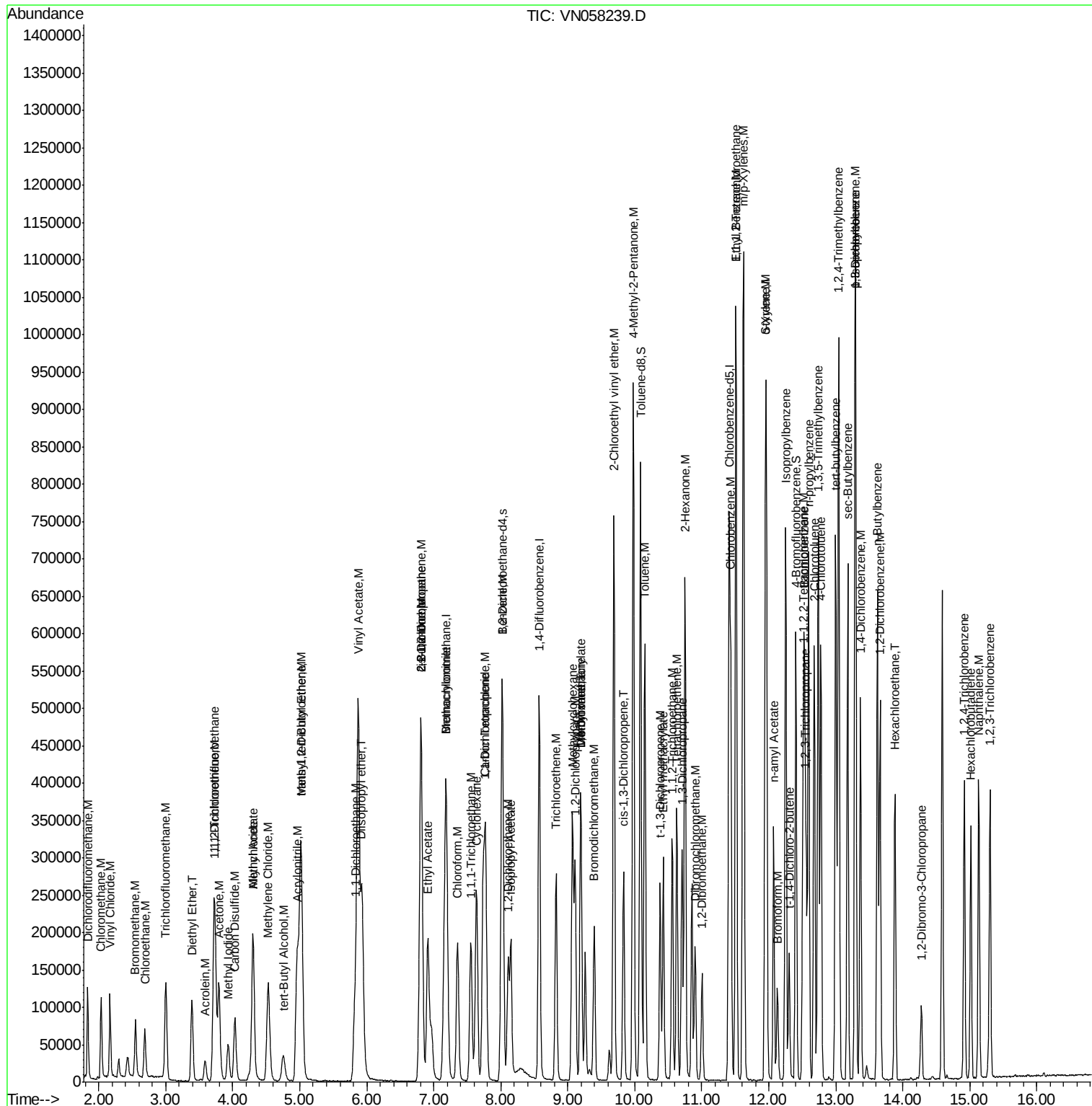
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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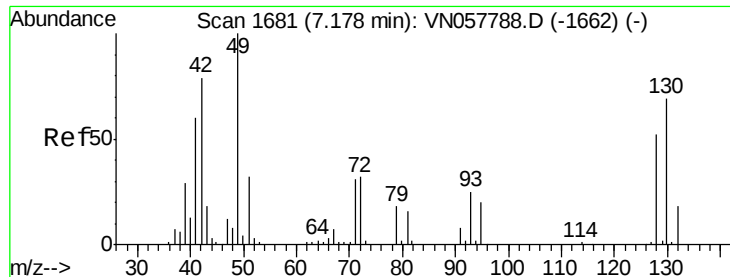
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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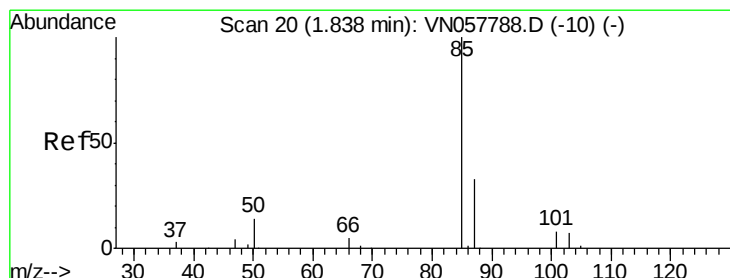
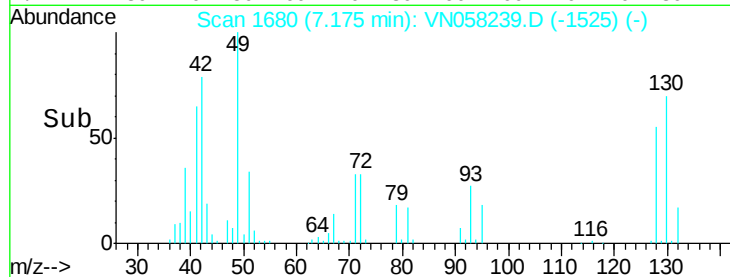
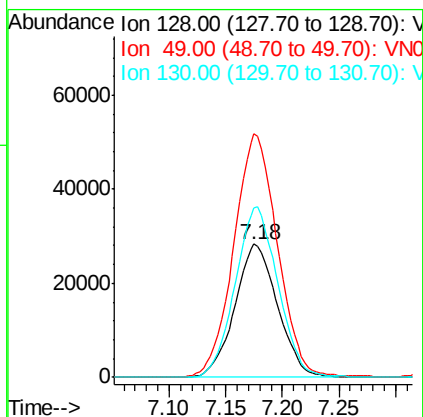
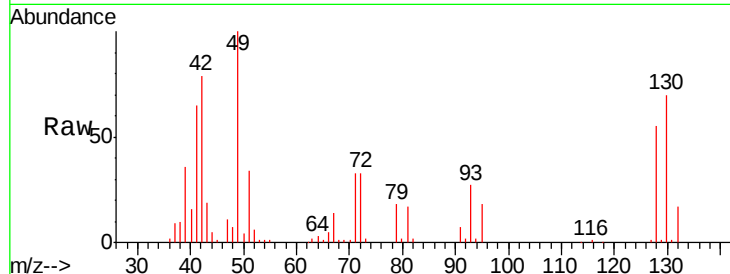




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

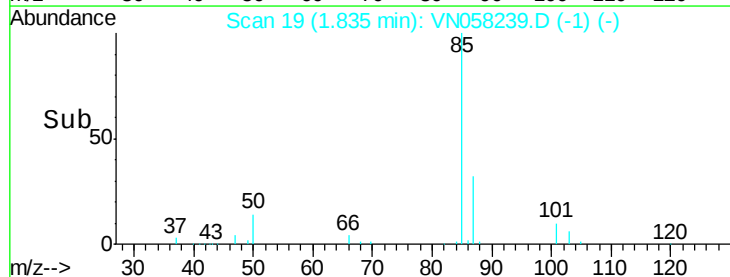
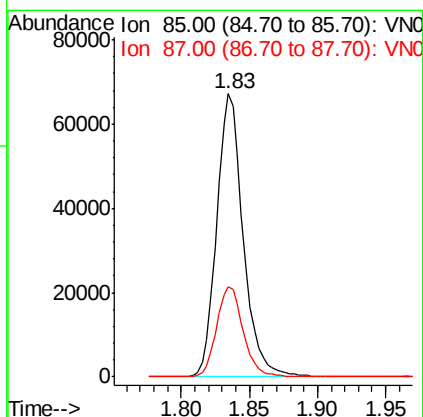
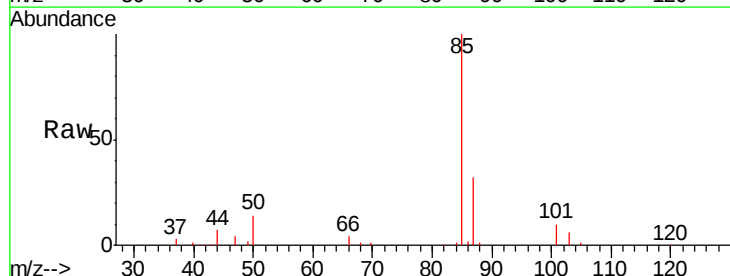
Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBSD01

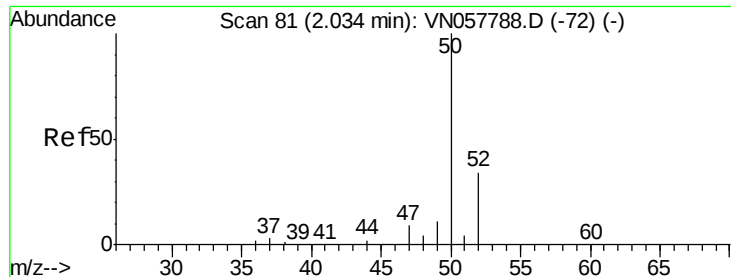
Tgt Ion: 128 Resp: 74349
 Ion Ratio Lower Upper
 128 100
 49 187.2 0.0 486.5
 130 128.0 0.0 324.5



#2
 Dichlorodifluoromethane
 Concen: 20.142 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 85 Resp: 90479
 Ion Ratio Lower Upper
 85 100
 87 31.9 16.4 49.4





#3

Chloromethane

Concen: 16.950 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

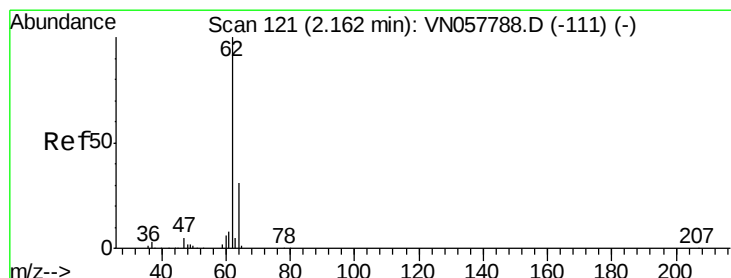
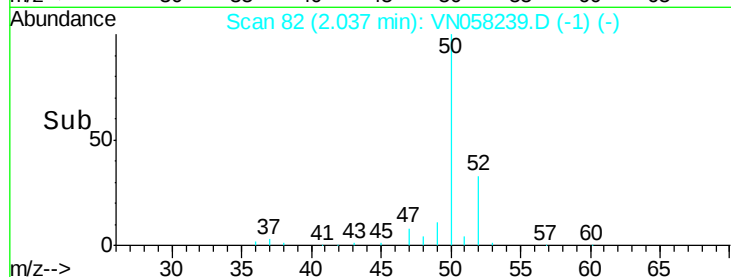
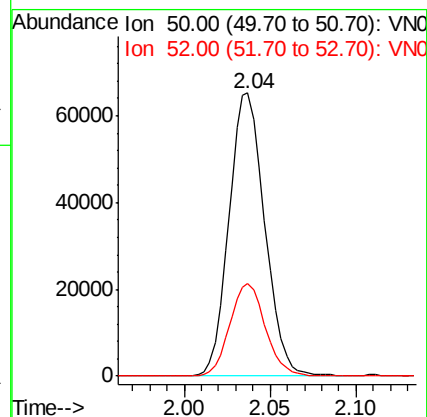
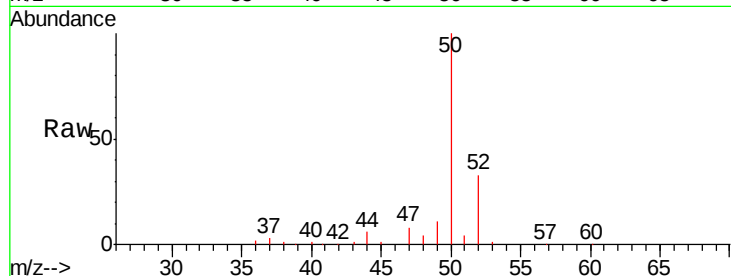
VN0920WBSD01

Tgt Ion: 50 Resp: 94940

Ion Ratio Lower Upper

50 100

52 32.7 26.9 40.3



#4

Vinyl Chloride

Concen: 17.114 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058239.D

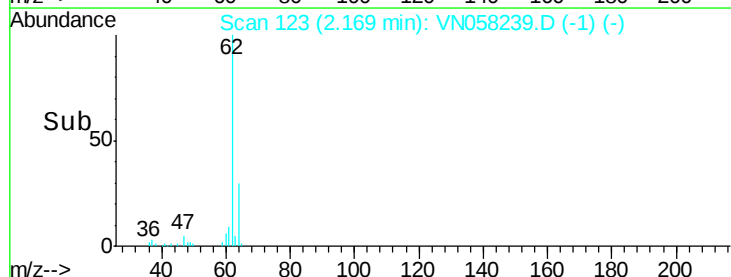
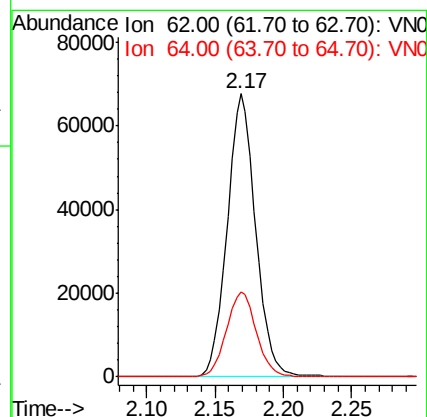
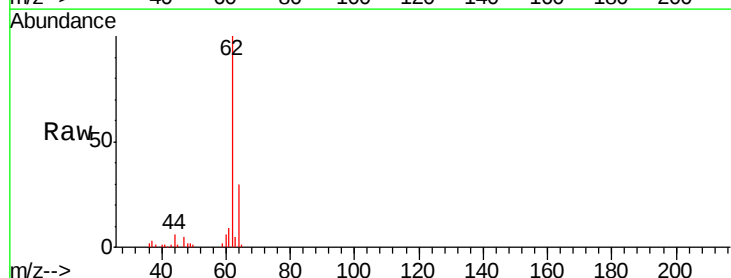
Acq: 20 Sep 2019 10:58

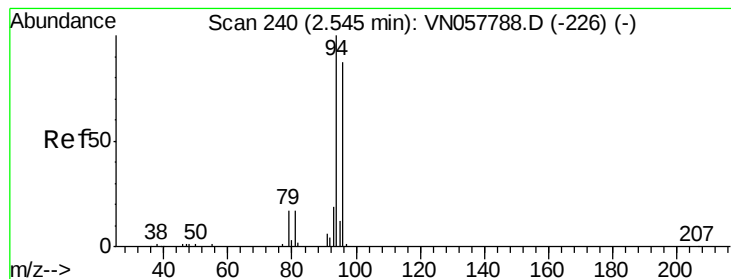
Tgt Ion: 62 Resp: 98079

Ion Ratio Lower Upper

62 100

64 30.2 25.0 37.6





#5

Bromomethane

Concen: 13.898 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

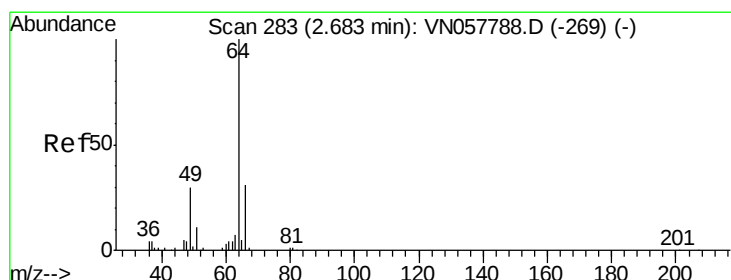
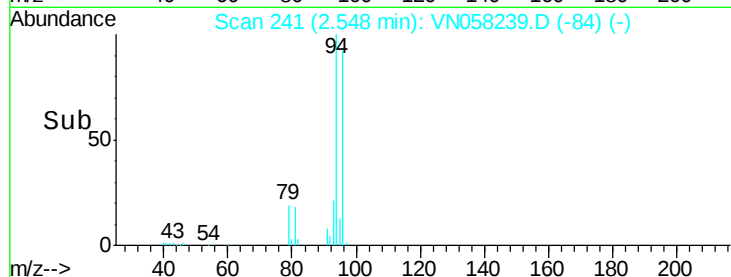
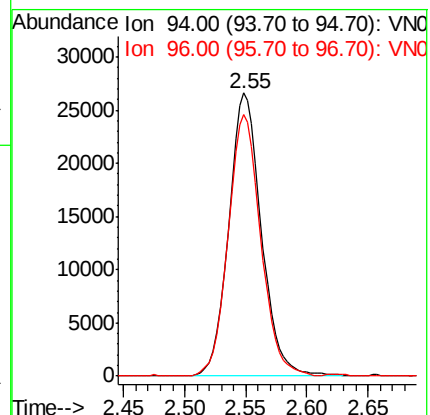
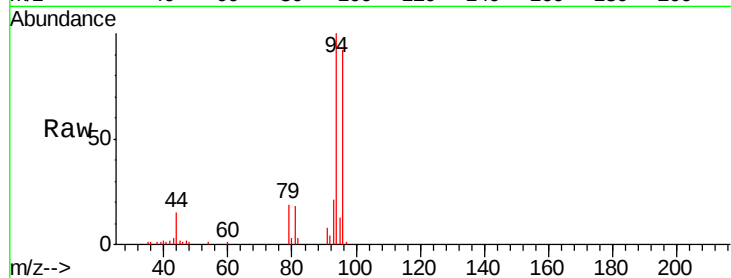
VN0920WBSD01

Tgt Ion: 94 Resp: 49708

Ion Ratio Lower Upper

94 100

96 92.3 69.2 103.8



#6

Chloroethane

Concen: 16.930 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058239.D

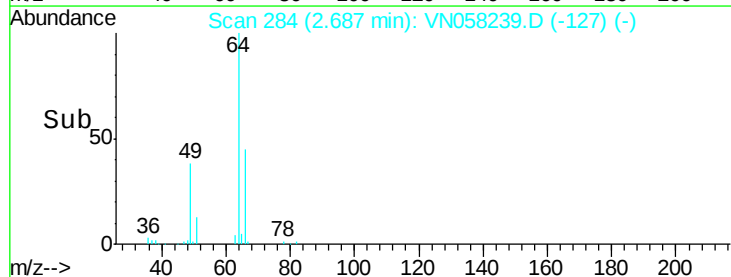
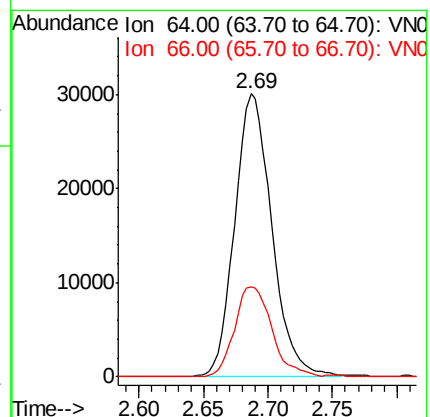
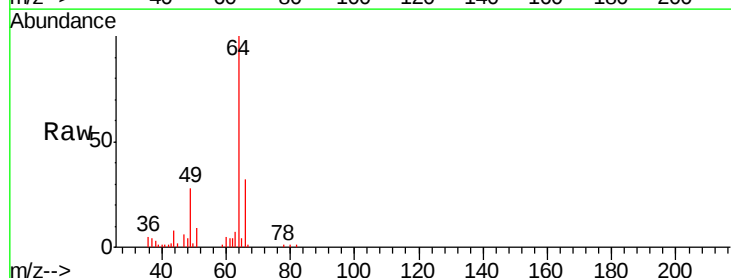
Acq: 20 Sep 2019 10:58

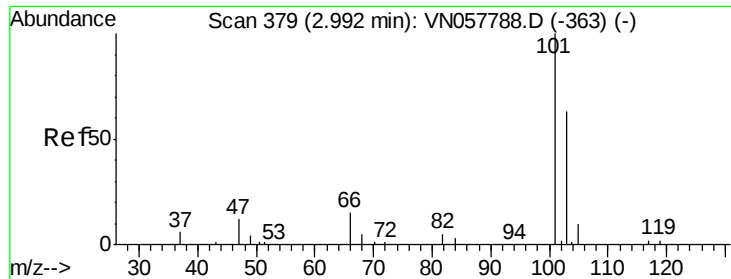
Tgt Ion: 64 Resp: 60299

Ion Ratio Lower Upper

64 100

66 32.0 24.4 36.6



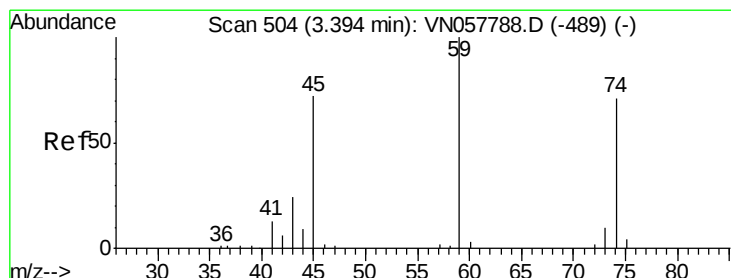
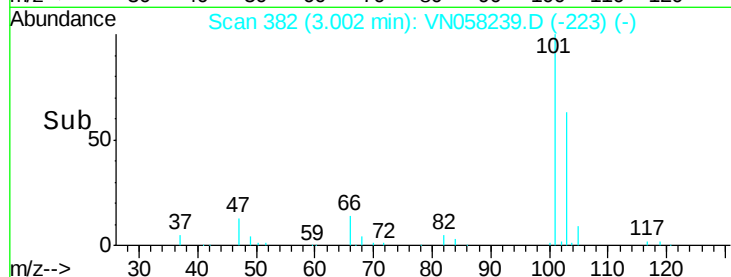
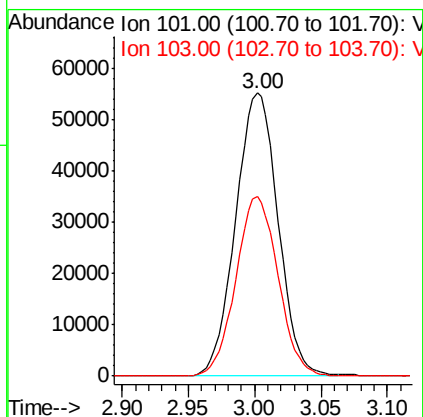
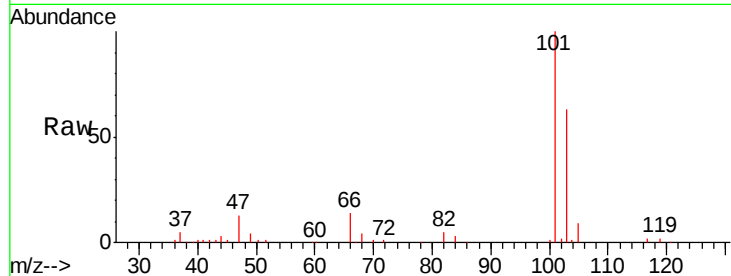


#7

Trichlorofluoromethane
Concen: 18.590 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

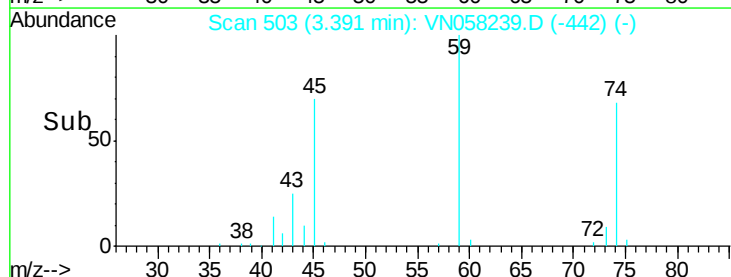
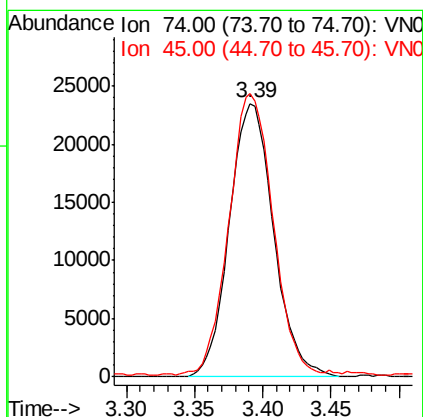
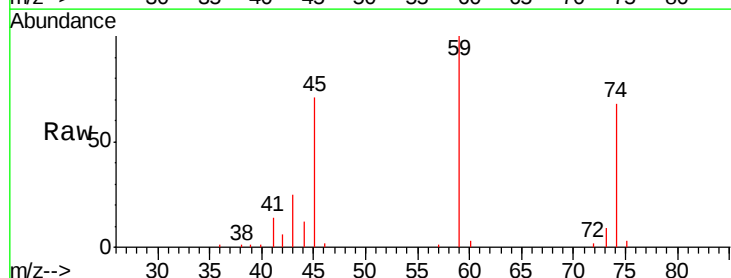
Tgt Ion: 101 Resp: 123079
Ion Ratio Lower Upper
101 100
103 63.3 50.2 75.2

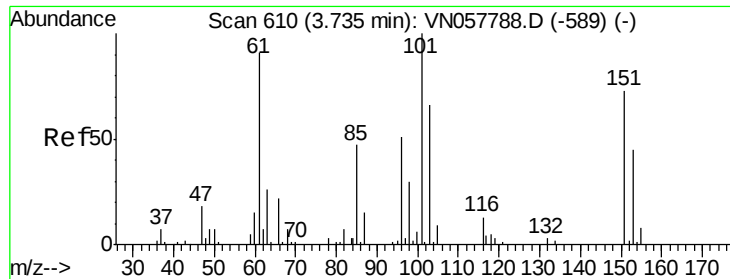


#8

Diethyl Ether
Concen: 19.862 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion: 74 Resp: 53050
Ion Ratio Lower Upper
74 100
45 101.8 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.387 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

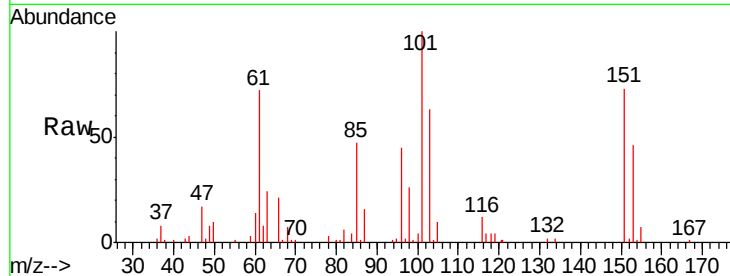
Tgt Ion:101 Resp: 84285

Ion Ratio Lower Upper

101 100

85 48.0 0.0 94.0

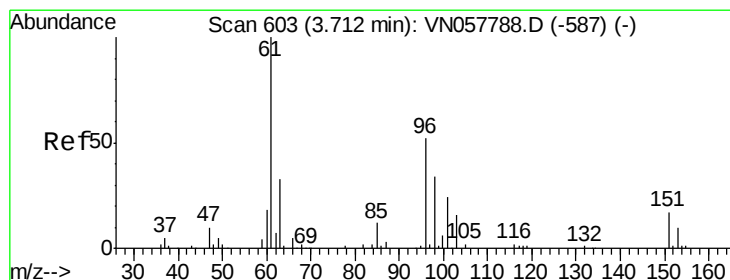
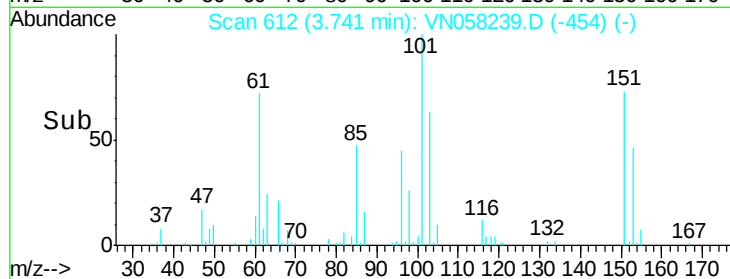
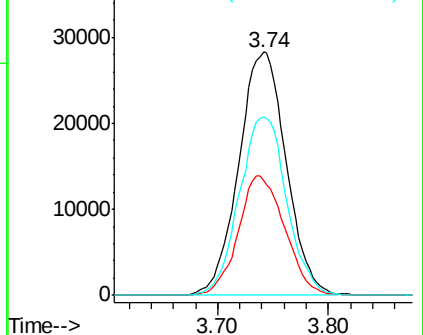
151 73.3 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.383 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

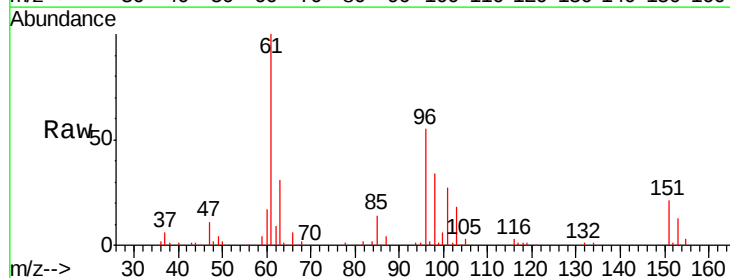
Tgt Ion: 96 Resp: 76202

Ion Ratio Lower Upper

96 100

61 182.7 153.4 230.0

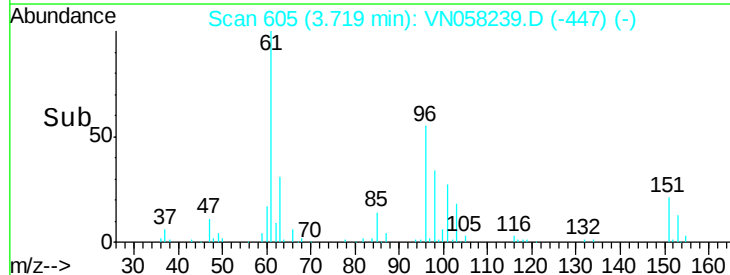
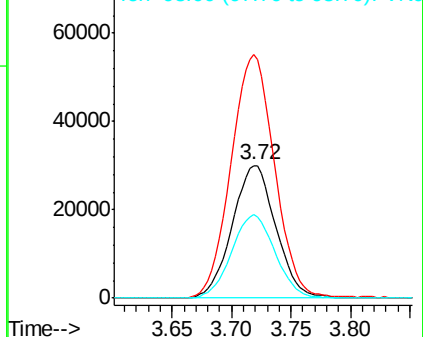
98 62.6 51.5 77.3

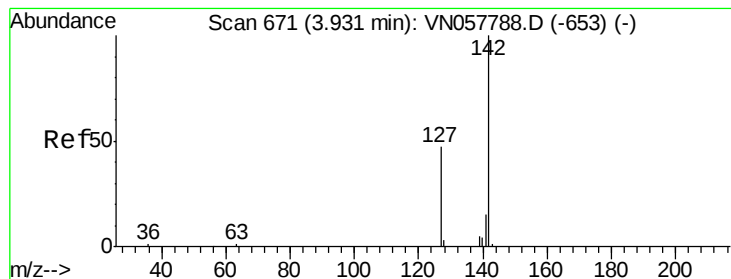


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#11

Methyl Iodide

Concen: 14.619 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

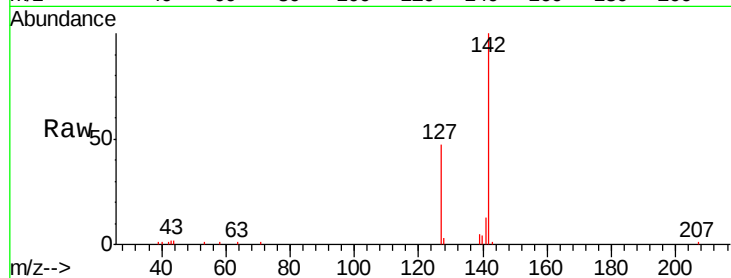
Tgt Ion:142 Resp: 76894

Ion Ratio Lower Upper

142 100

127 46.9 23.3 69.8

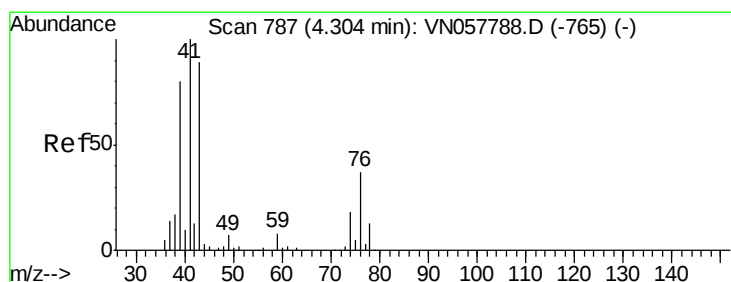
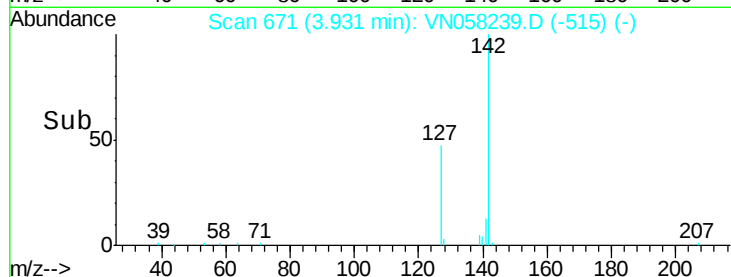
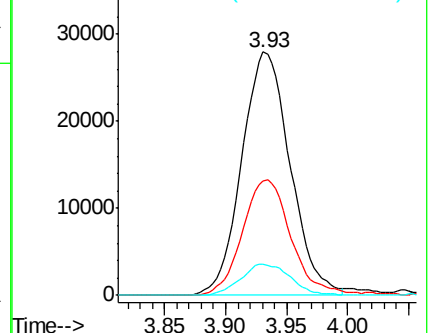
141 11.5 7.5 22.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 20.098 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058239.D

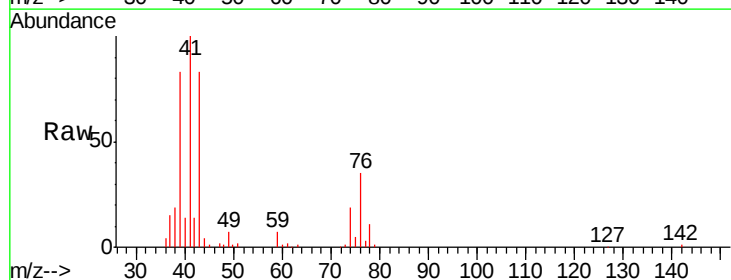
Acq: 20 Sep 2019 10:58

Tgt Ion: 43 Resp: 108432

Ion Ratio Lower Upper

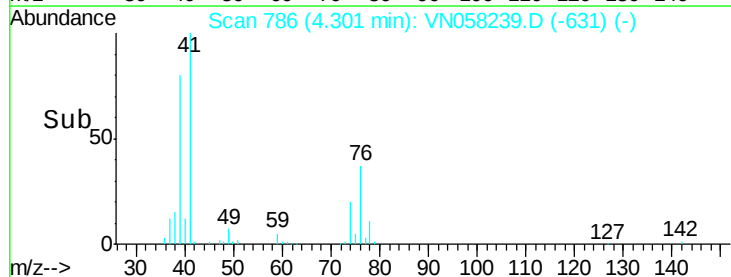
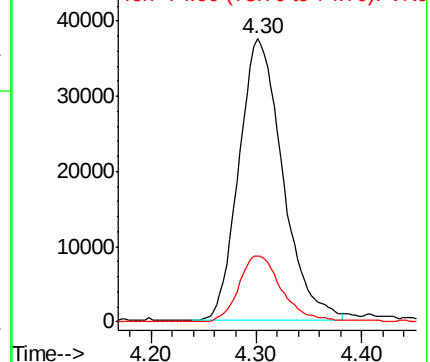
43 100

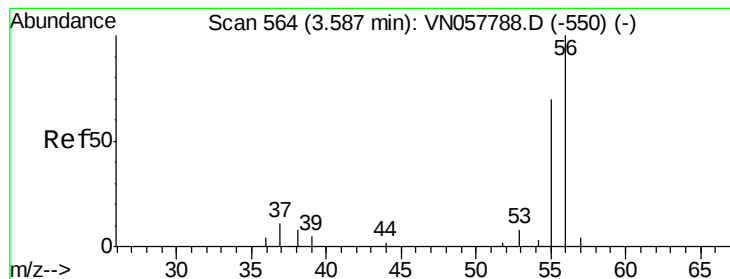
74 23.3 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 102.308 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

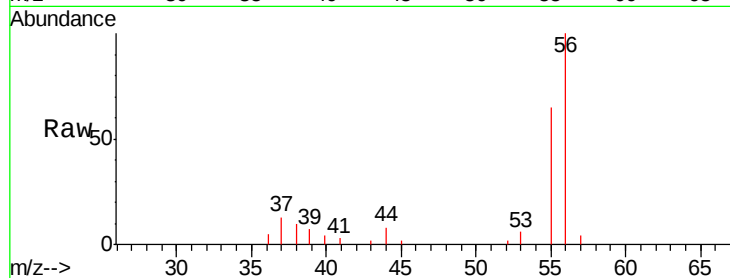
VN0920WBSD01

Tgt Ion: 56 Resp: 29948

Ion Ratio Lower Upper

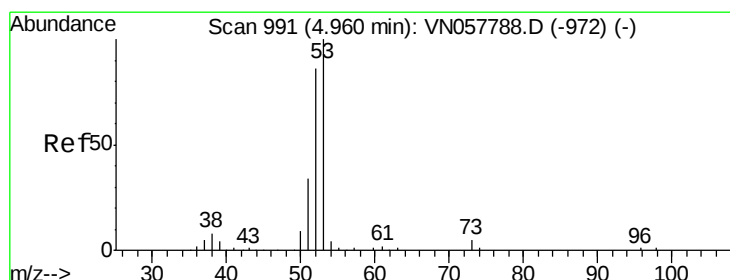
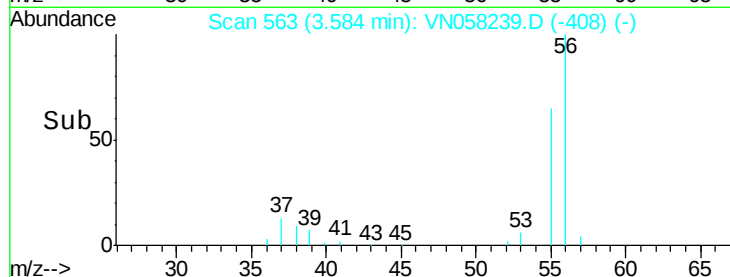
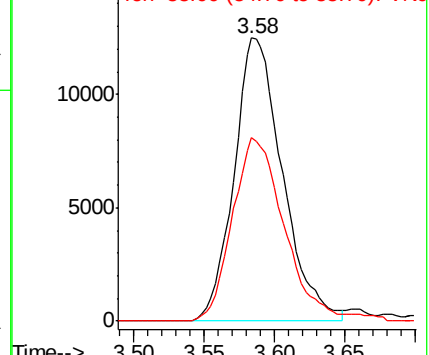
56 100

55 69.1 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.125 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

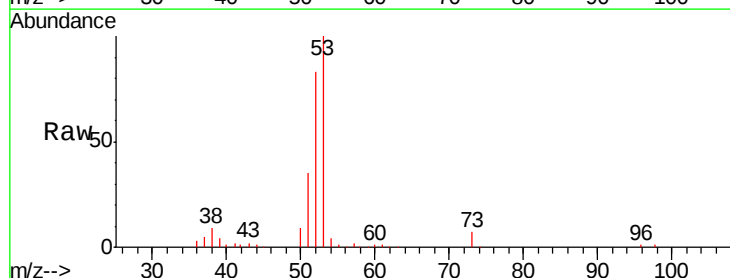
Tgt Ion: 53 Resp: 218014

Ion Ratio Lower Upper

53 100

52 81.7 41.0 123.0

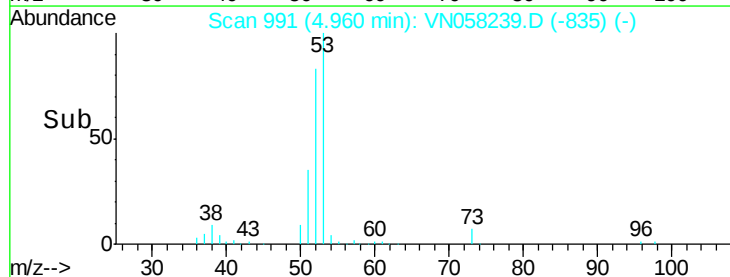
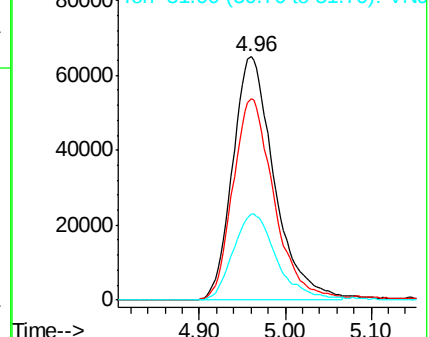
51 37.2 8.6 25.8#

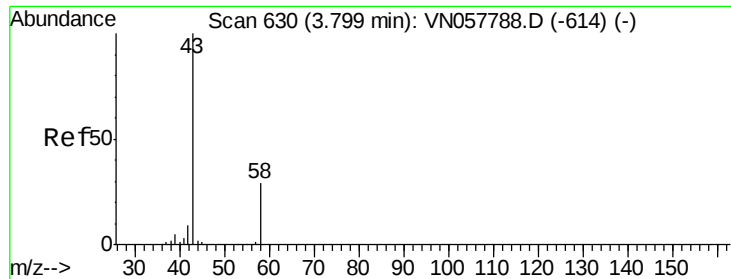


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.131 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

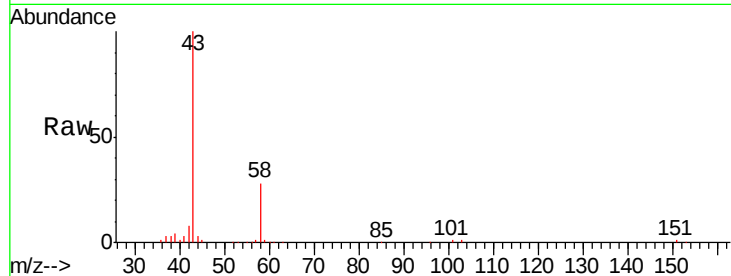
VN0920WBSD01

Tgt Ion: 58 Resp: 60024

Ion Ratio Lower Upper

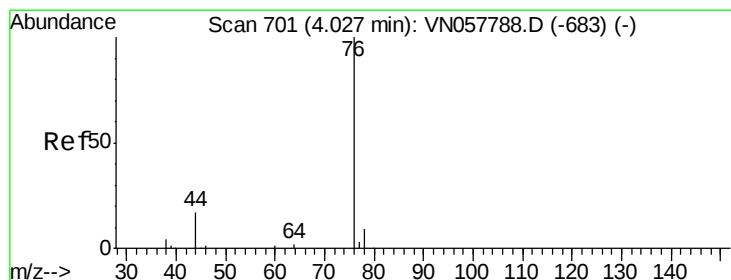
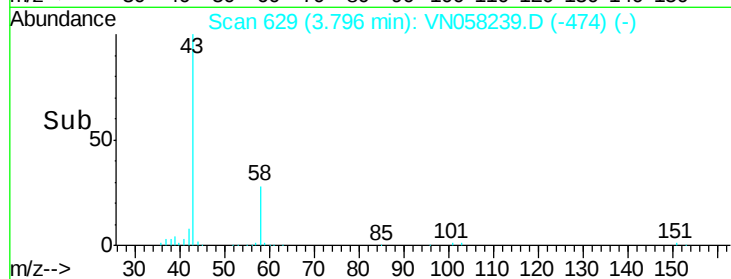
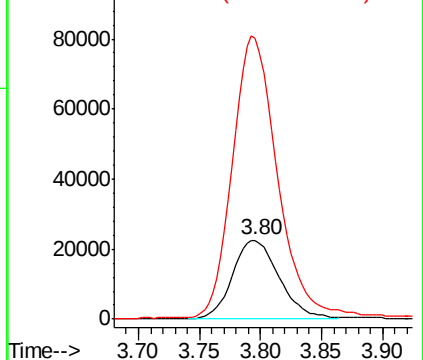
58 100

43 355.3 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.414 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058239.D

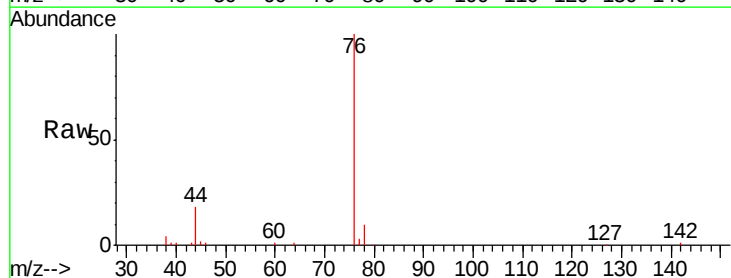
Acq: 20 Sep 2019 10:58

Tgt Ion: 76 Resp: 159418

Ion Ratio Lower Upper

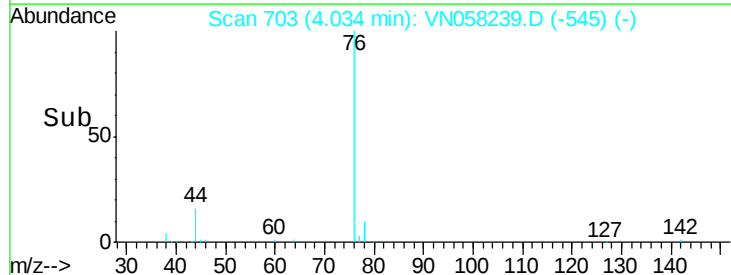
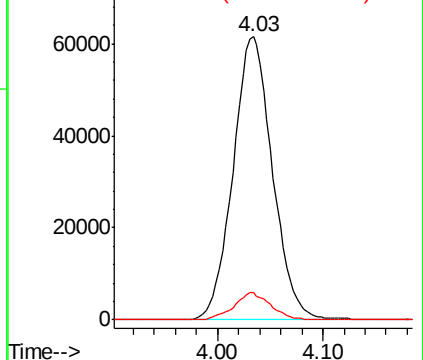
76 100

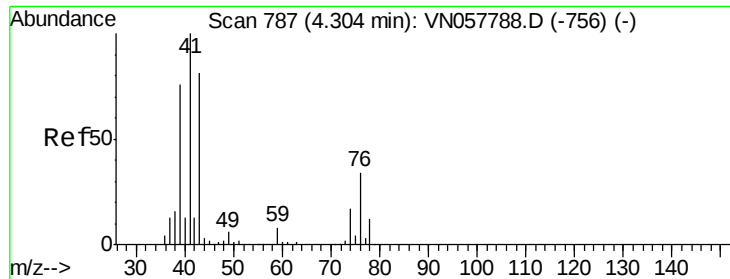
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

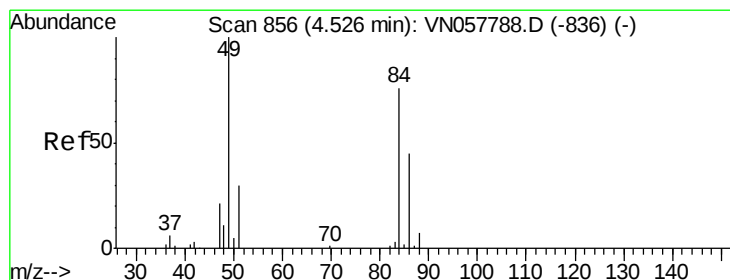
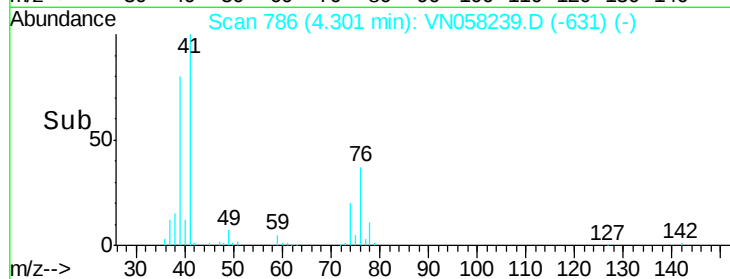
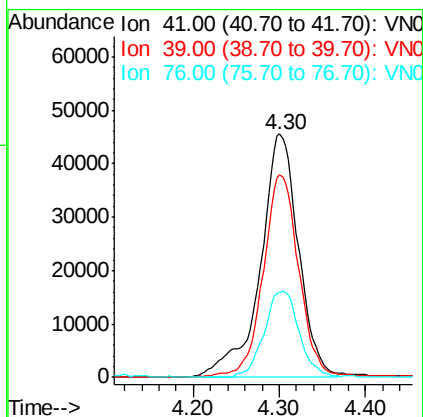
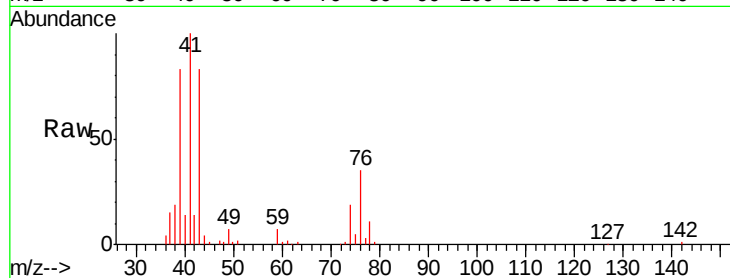




#17
 Allyl chloride
 Concen: 19.589 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

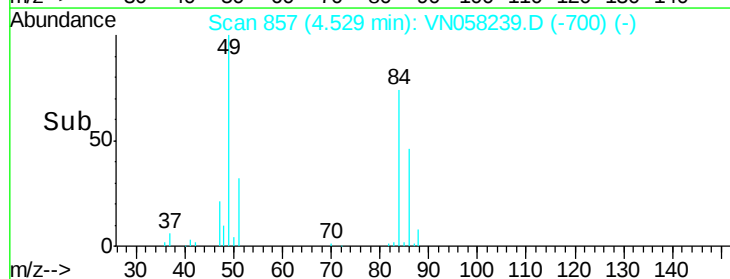
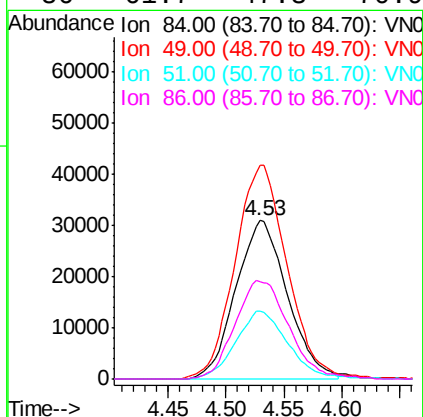
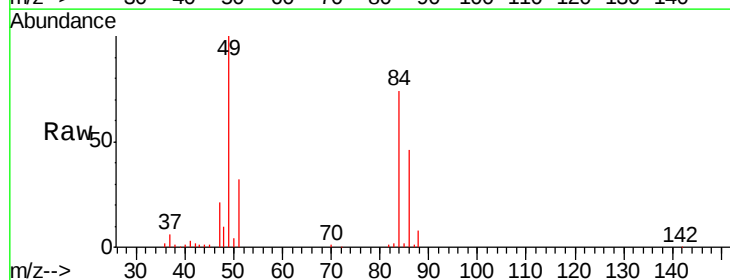
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

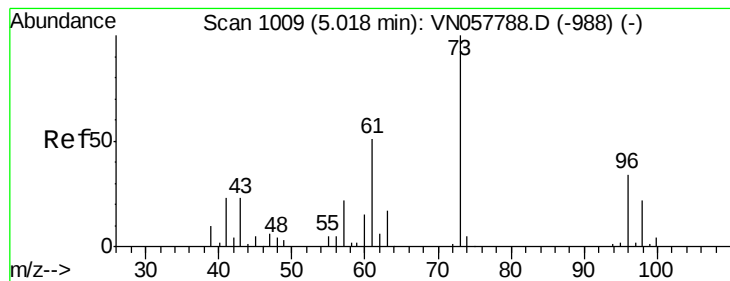
Tgt Ion: 41 Resp: 141112
 Ion Ratio Lower Upper
 41 100
 39 83.3 38.5 115.3
 76 35.0 17.2 51.6



#18
 Methylene Chloride
 Concen: 19.318 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 84 Resp: 95700
 Ion Ratio Lower Upper
 84 100
 49 133.2 105.4 158.2
 51 43.1 31.3 46.9
 86 61.7 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 19.358 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

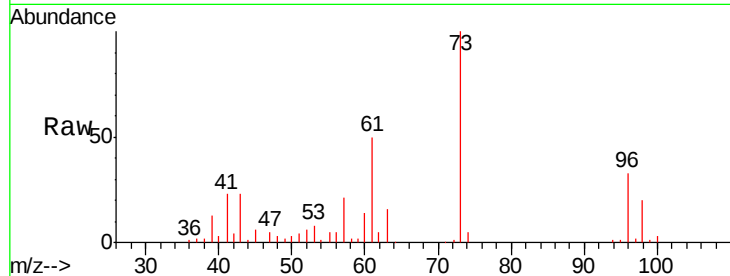
Tgt Ion: 96 Resp: 84820

Ion Ratio Lower Upper

96 100

61 151.8 121.0 181.6

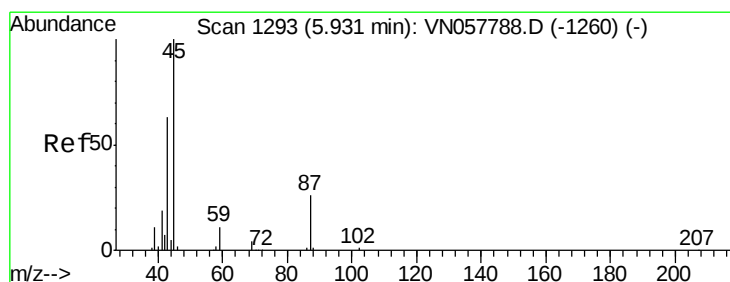
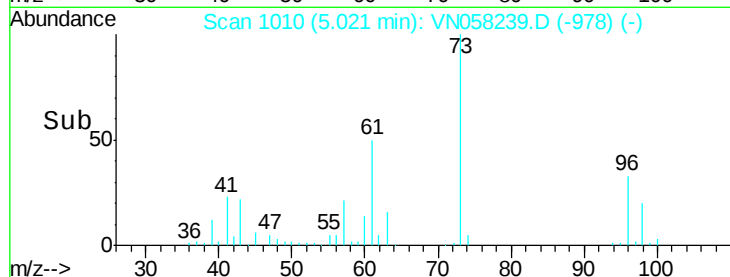
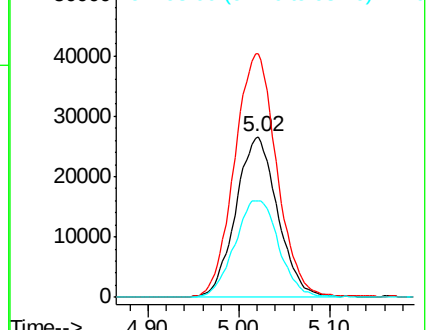
98 60.3 52.7 79.1



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: 19.455 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Tgt Ion: 45 Resp: 327641

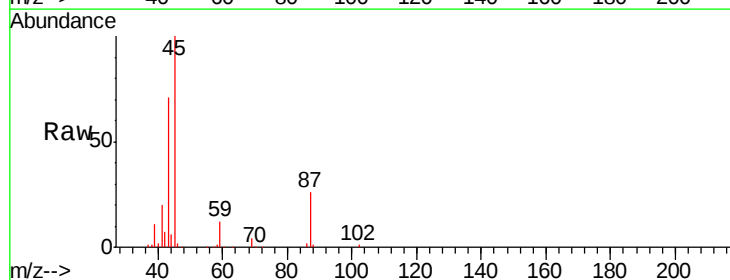
Ion Ratio Lower Upper

45 100

43 67.7 55.2 82.8

87 25.9 21.3 31.9

59 11.2 9.1 13.7

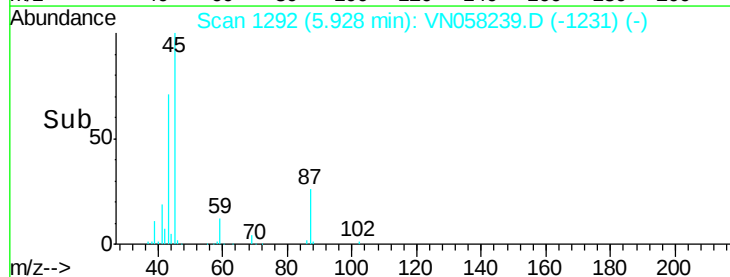
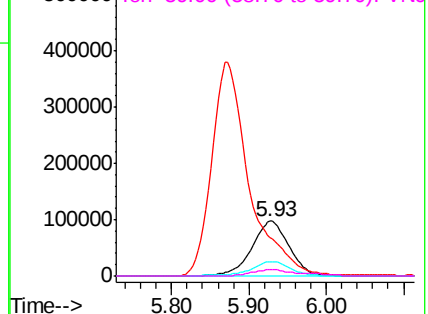


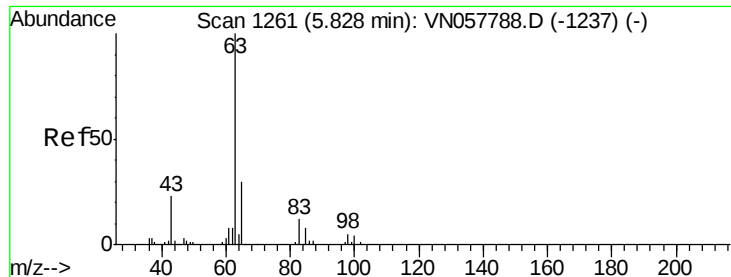
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

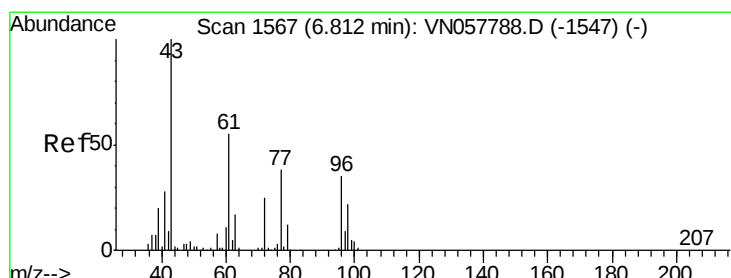
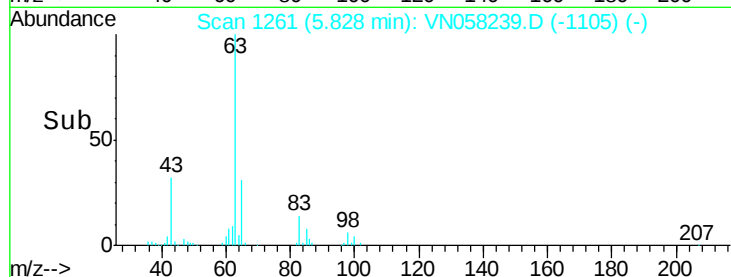
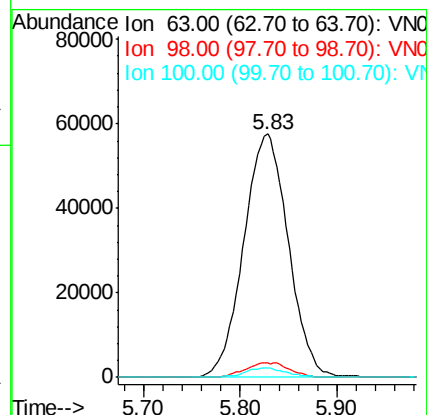
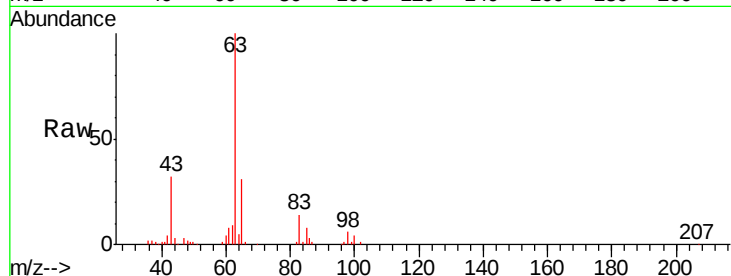




#21
 1,1-Dichloroethane
 Concen: 19.856 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

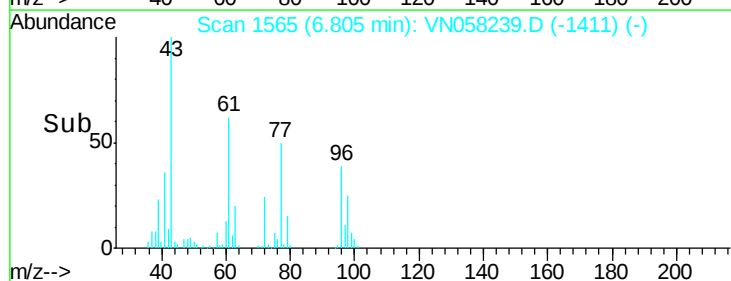
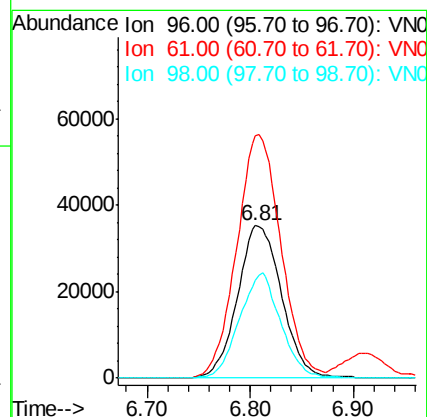
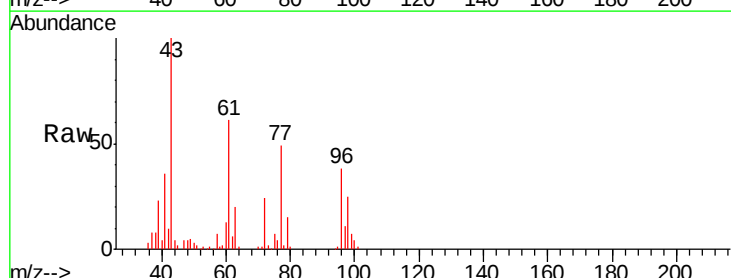
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

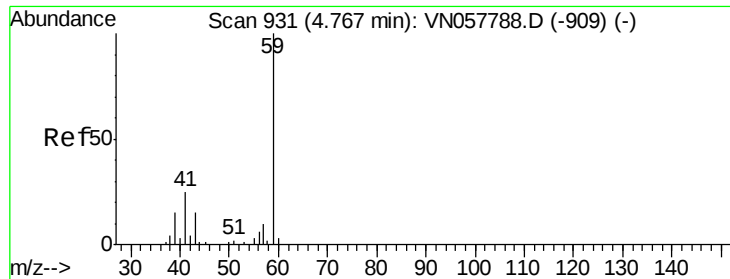
Tgt Ion: 63 Resp: 184386
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.3
 100 4.0 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.550 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 96 Resp: 104958
 Ion Ratio Lower Upper
 96 100
 61 159.6 127.4 191.0
 98 64.1 51.5 77.3





#23

tert-Butyl Alcohol

Concen: 81.763 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

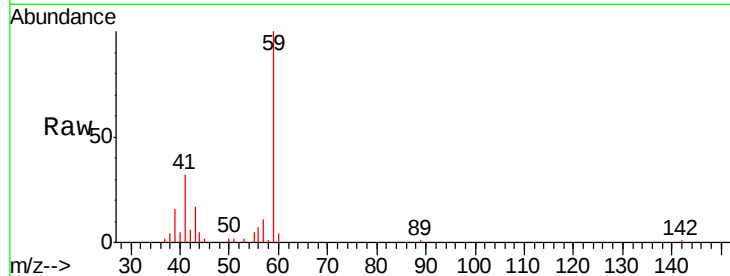
VN0920WBSD01

Tgt Ion: 59 Resp: 58706

Ion Ratio Lower Upper

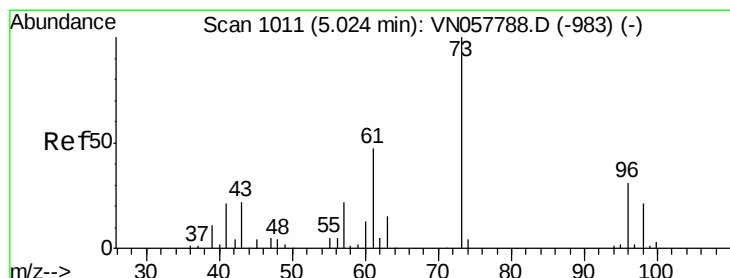
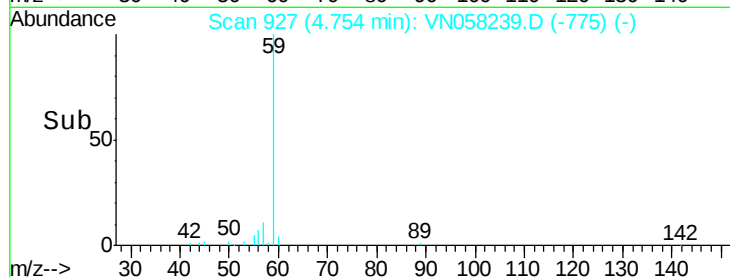
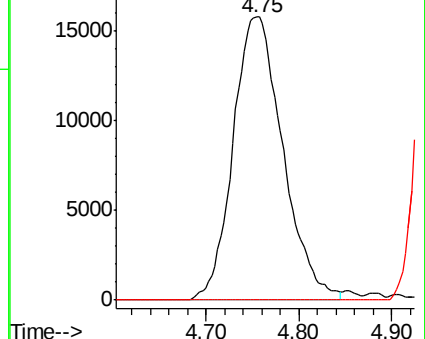
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.642 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN058239.D

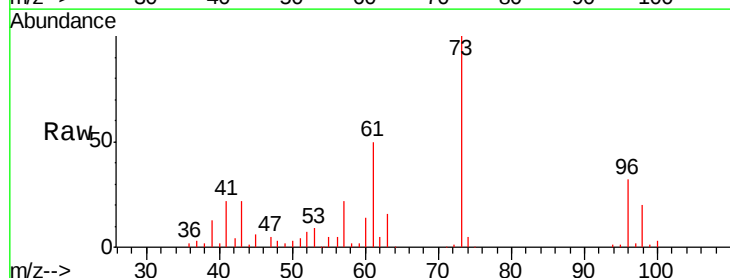
Acq: 20 Sep 2019 10:58

Tgt Ion: 73 Resp: 295979

Ion Ratio Lower Upper

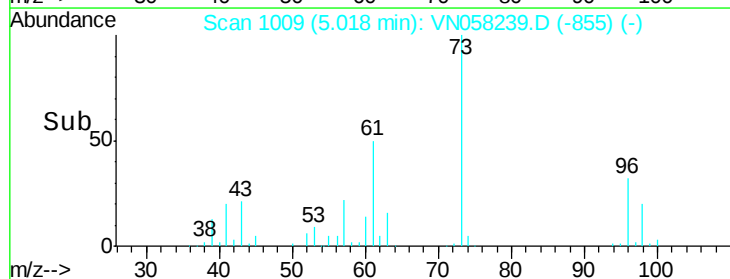
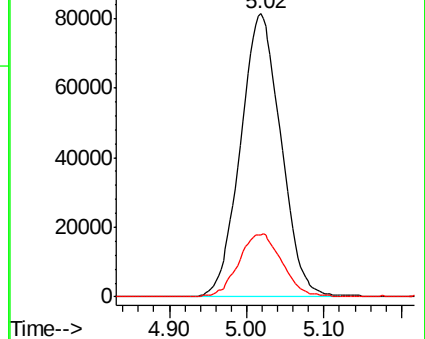
73 100

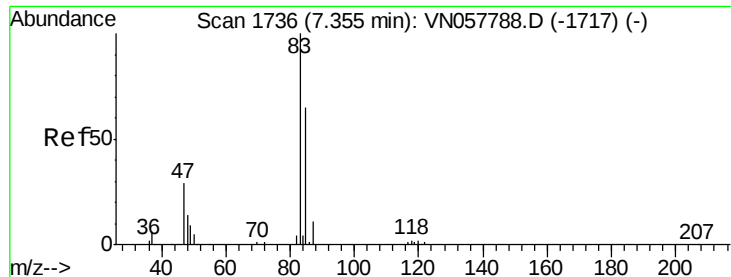
43 22.8 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

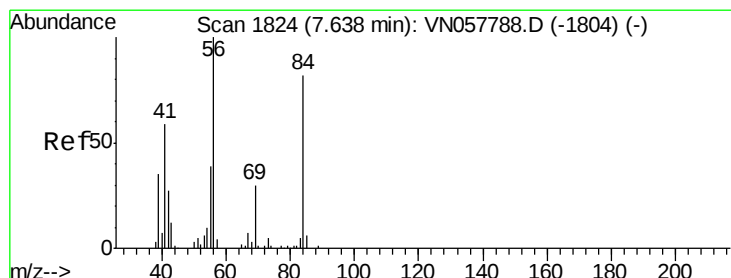
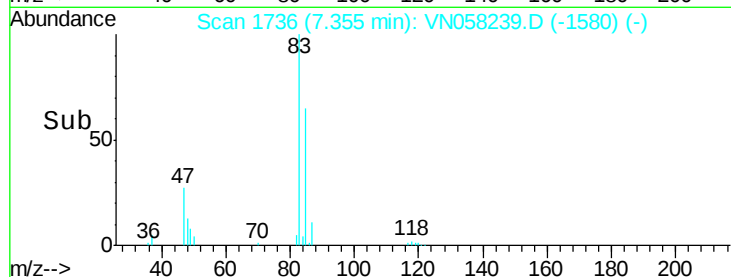
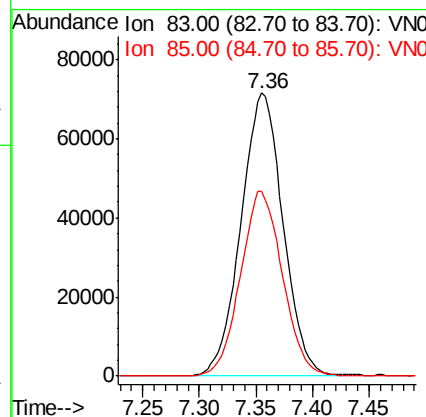
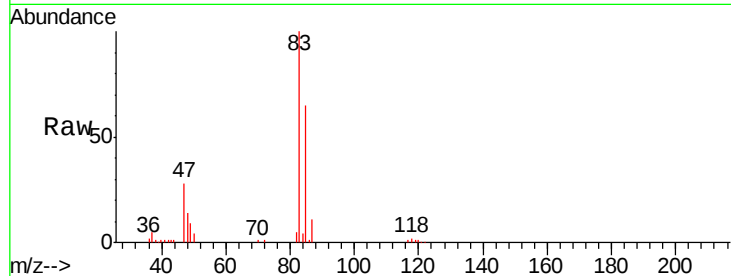




#25
Chloroform
Concen: 19.588 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

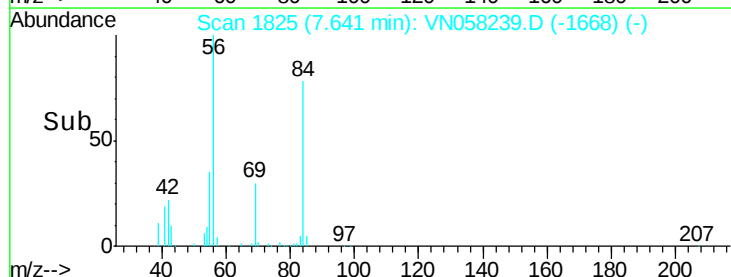
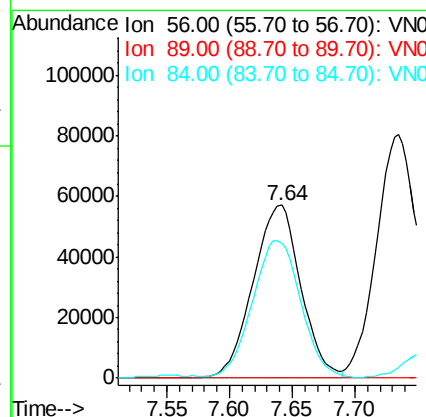
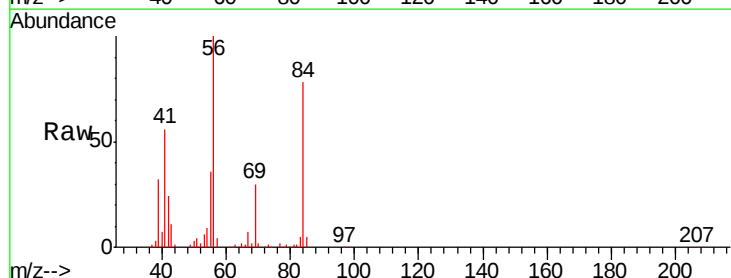
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

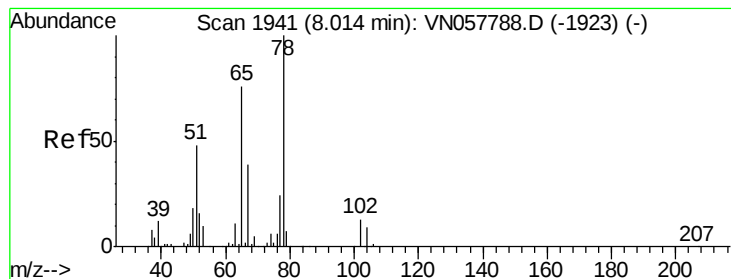
Tgt Ion: 83 Resp: 185185
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.6



#26
Cyclohexane
Concen: 19.360 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion: 56 Resp: 151057
Ion Ratio Lower Upper
56 100
89 0.1 0.3 0.5#
84 81.2 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 30.325 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

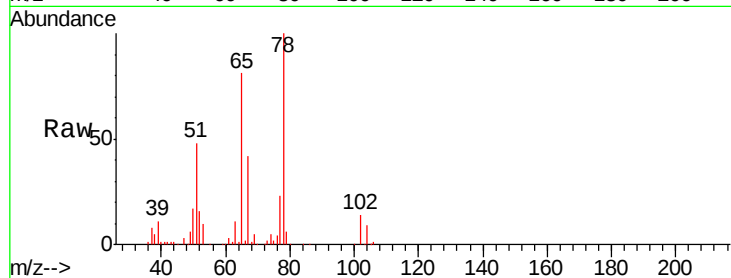
VN0920WBSD01

Tgt Ion: 65 Resp: 199435

Ion Ratio Lower Upper

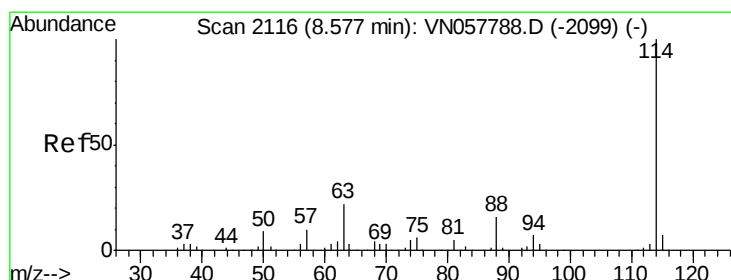
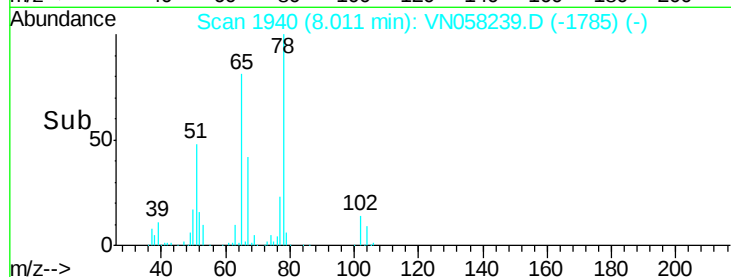
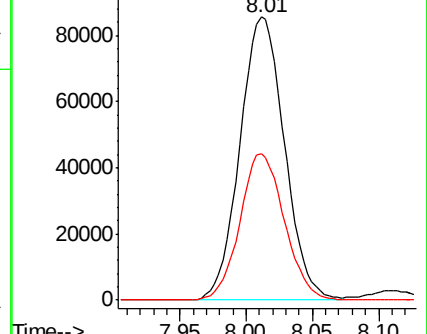
65 100

67 51.7 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

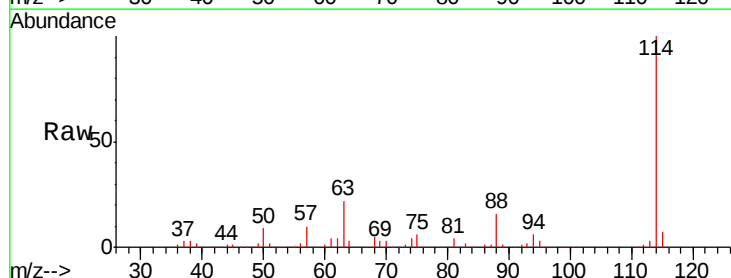
Tgt Ion: 114 Resp: 434013

Ion Ratio Lower Upper

114 100

63 22.3 18.0 27.0

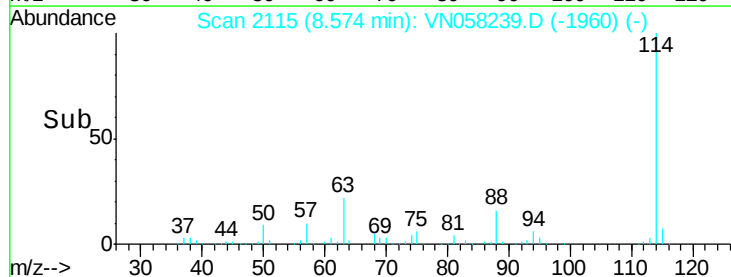
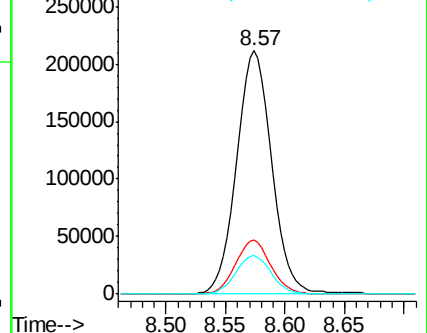
88 16.1 12.6 19.0

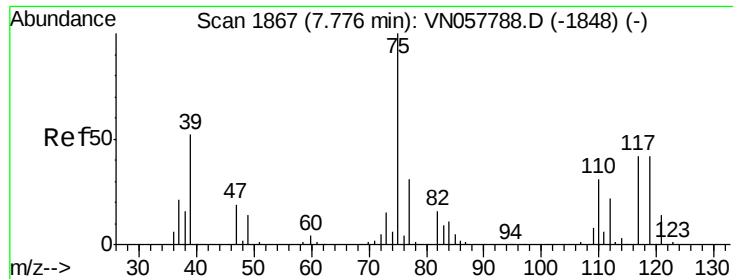


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

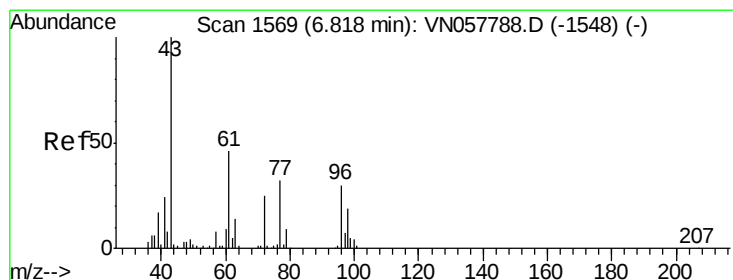
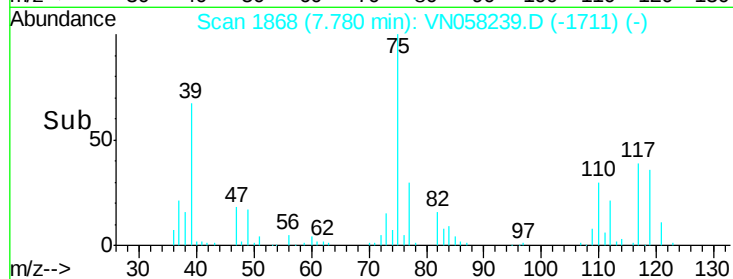
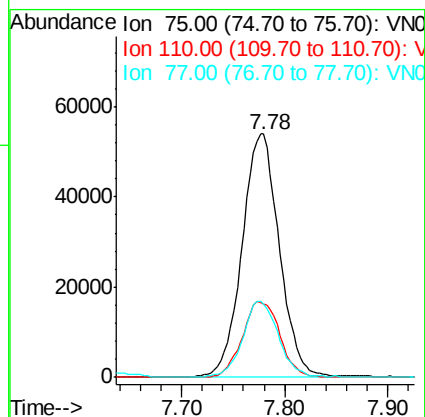
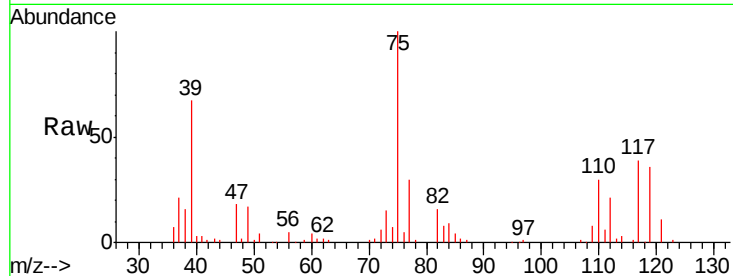




#29
 1,1-Dichloropropene
 Concen: 19.880 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

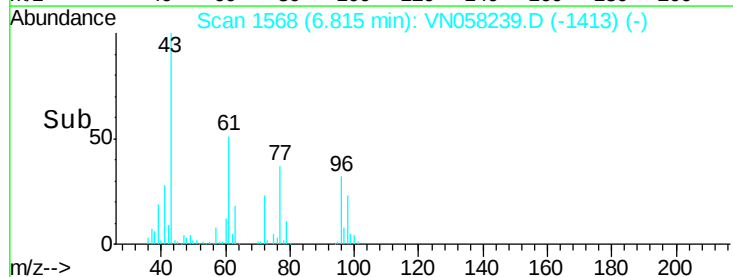
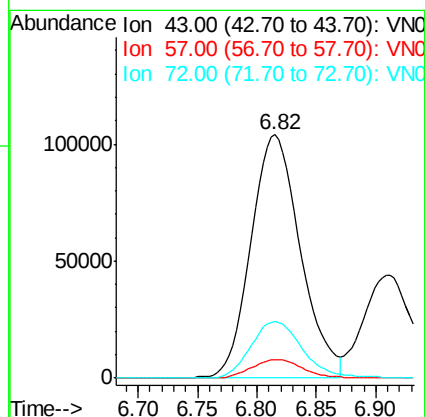
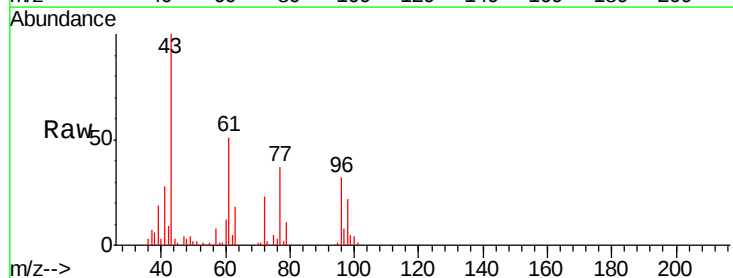
Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBSD01

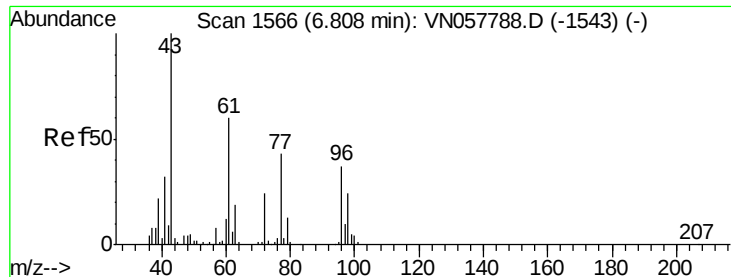
Tgt Ion: 75 Resp: 135734
 Ion Ratio Lower Upper
 75 100
 110 31.2 0.0 63.8
 77 30.0 0.0 60.0



#30
 2-Butanone
 Concen: 96.913 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 43 Resp: 298349
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.4 9.6
 72 24.5 20.3 30.5

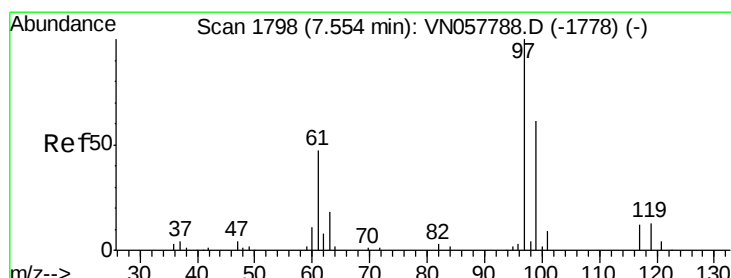
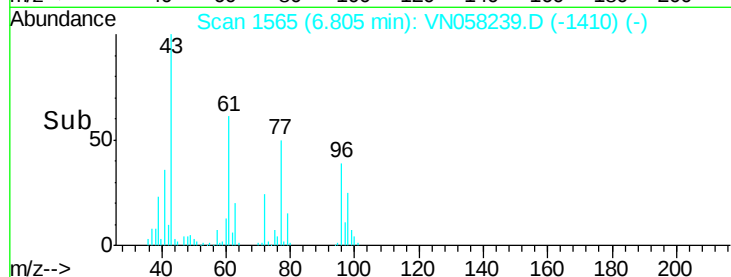
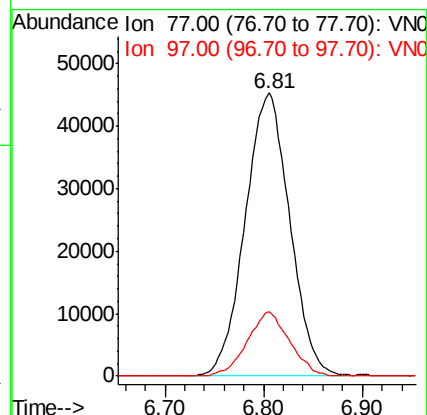
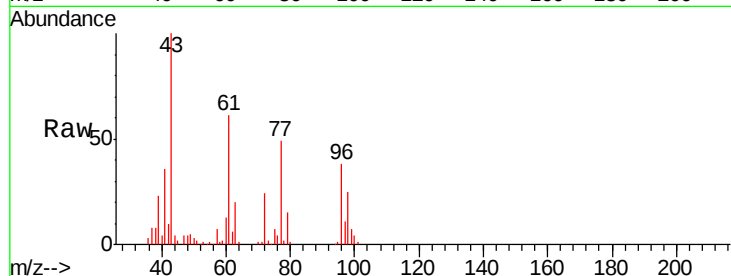




#31
 2,2-Dichloropropane
 Concen: 19.684 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

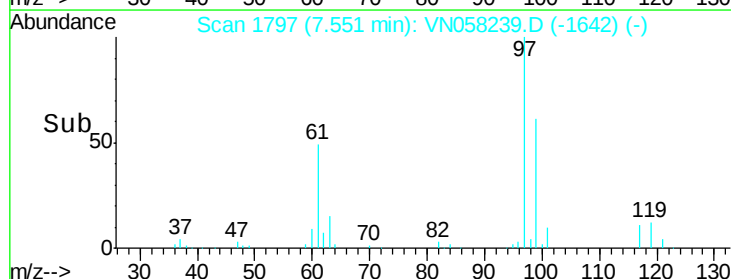
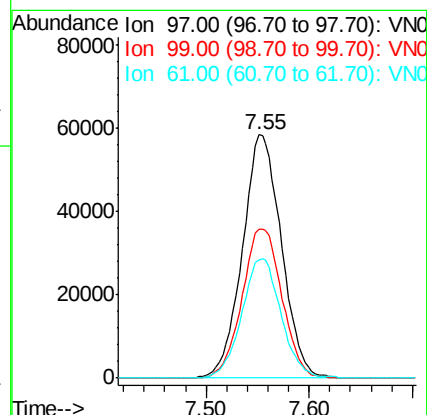
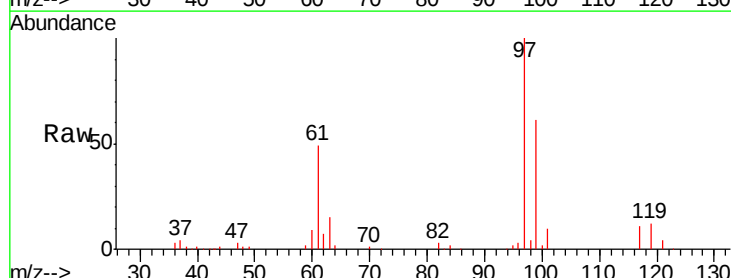
Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBSD01

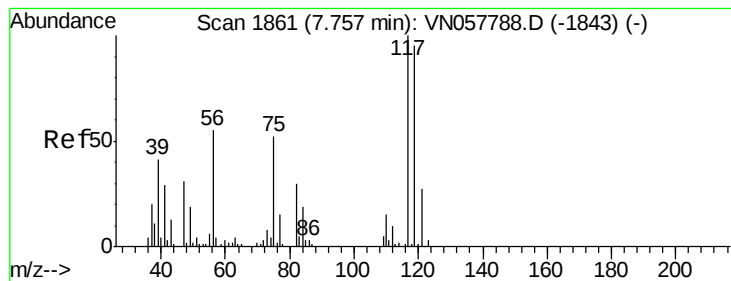
Tgt Ion: 77 Resp: 141895
 Ion Ratio Lower Upper
 77 100
 97 21.6 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 19.980 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 97 Resp: 153375
 Ion Ratio Lower Upper
 97 100
 99 62.8 49.8 74.8
 61 49.5 38.7 58.1





#33

Carbon Tetrachloride

Concen: 19.269 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

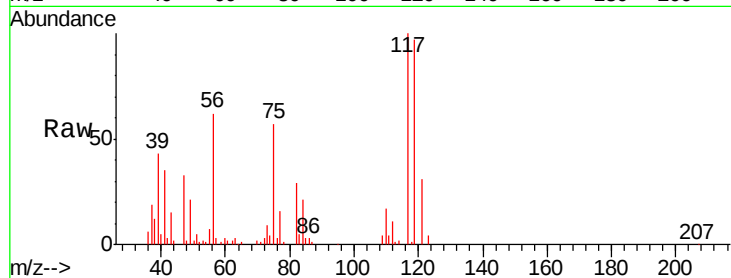
Tgt Ion:117 Resp: 120668

Ion Ratio Lower Upper

117 100

119 97.3 75.7 113.5

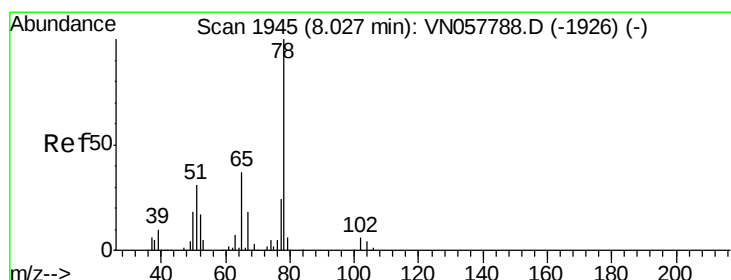
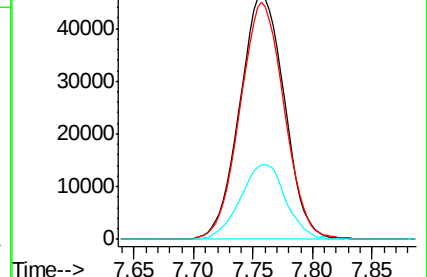
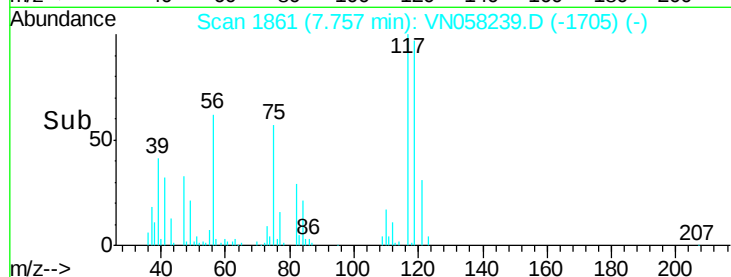
121 30.6 21.7 32.5



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: 20.053 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

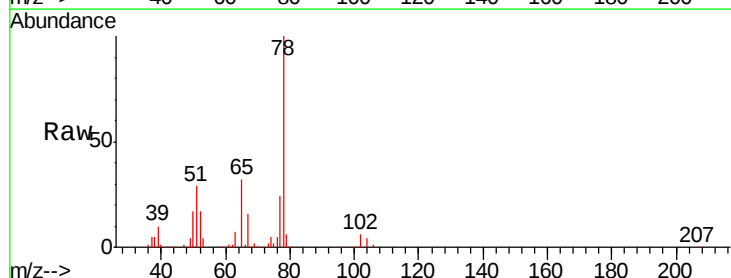
Tgt Ion: 78 Resp: 405678

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8

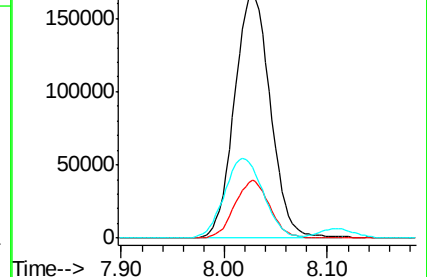
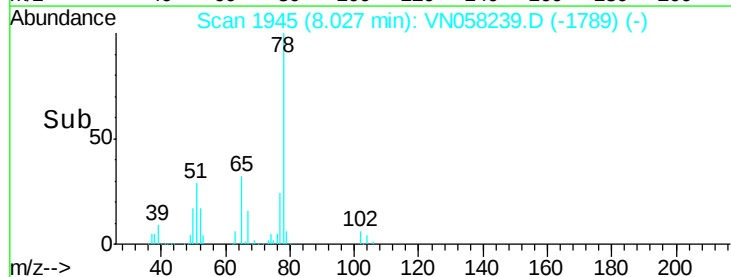
51 28.9 24.9 37.3

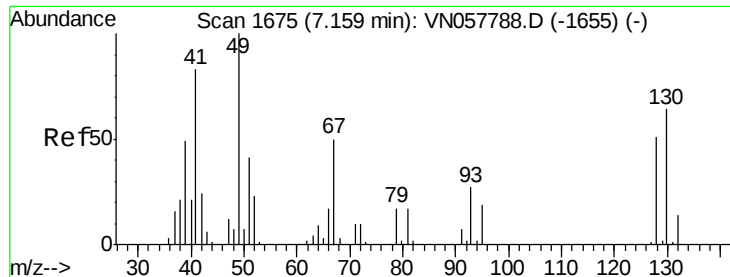


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

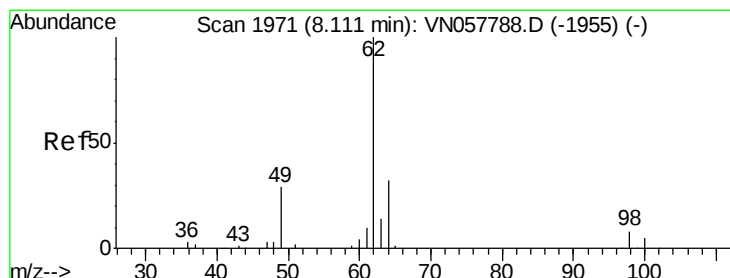
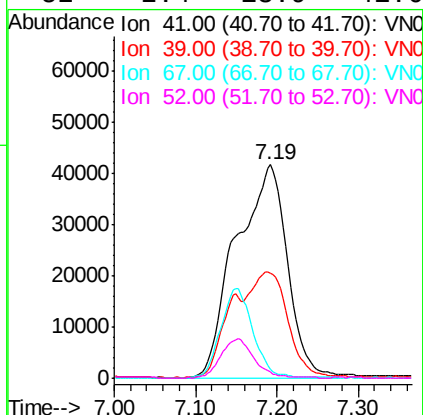
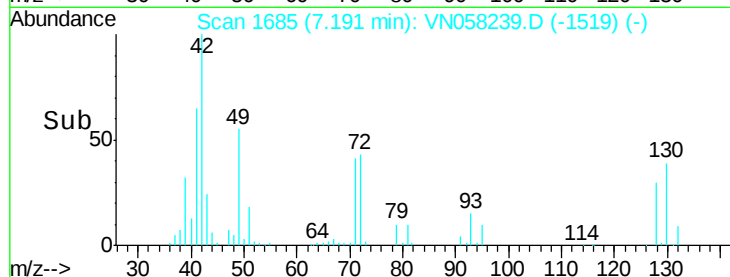
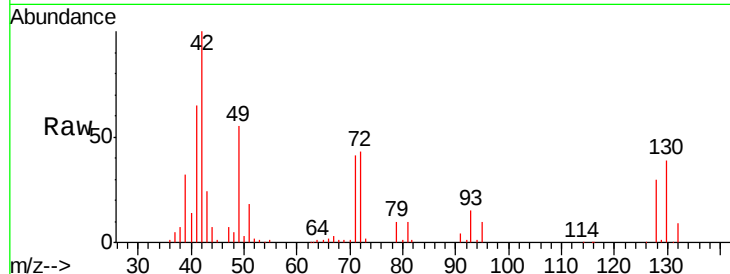




#35
Methacrylonitrile
Concen: 64.262 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

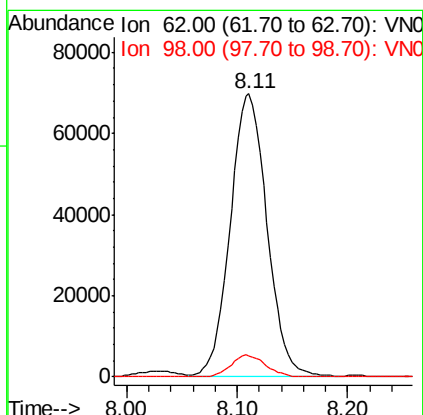
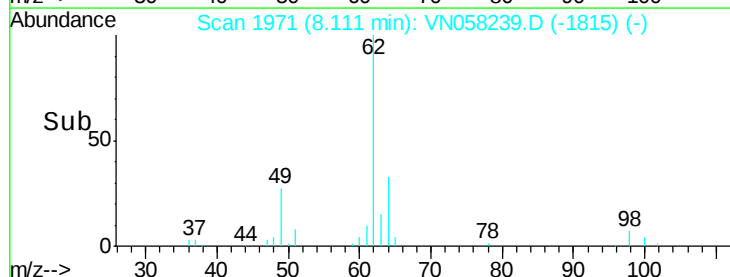
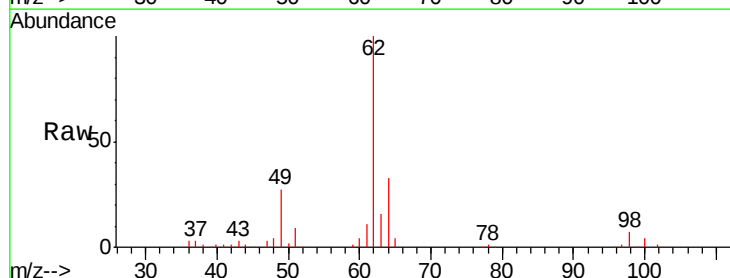
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

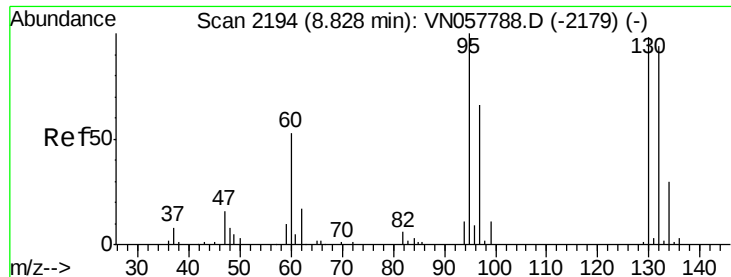
Tgt Ion: 41 Resp: 183493
Ion Ratio Lower Upper
41 100
39 48.8 29.8 89.5
67 4.4 30.0 90.1#
52 2.4 13.9 41.6#



#36
1,2-Dichloroethane
Concen: 20.605 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion: 62 Resp: 161760
Ion Ratio Lower Upper
62 100
98 7.2 6.6 9.8

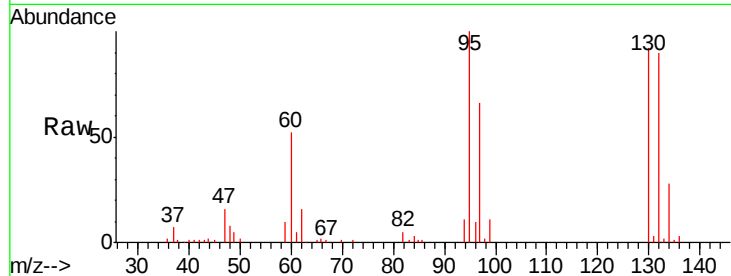




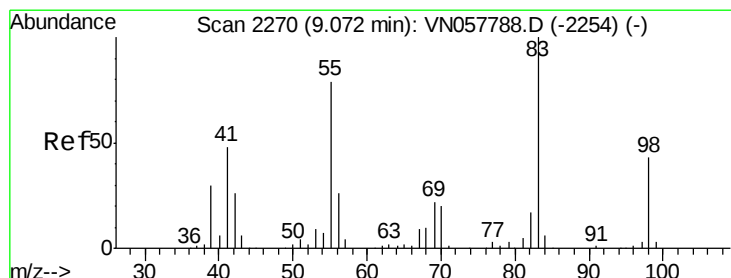
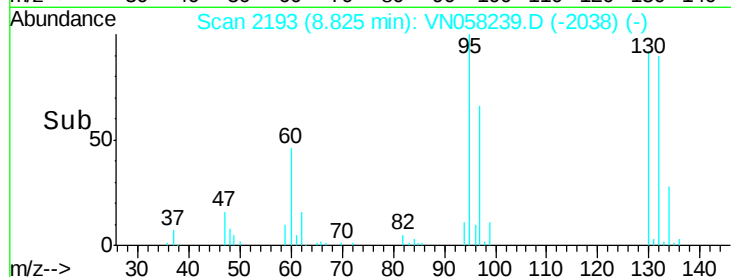
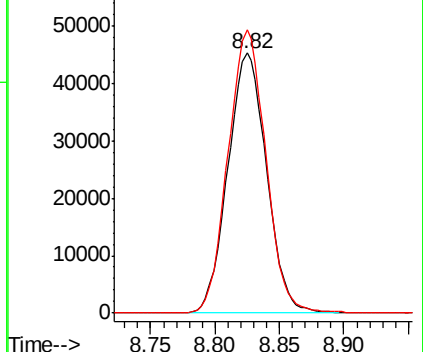
#37
 Trichloroethene
 Concen: 19.228 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tgt Ion:130 Resp: 94481
 Ion Ratio Lower Upper
 130 100
 95 108.6 81.9 122.9

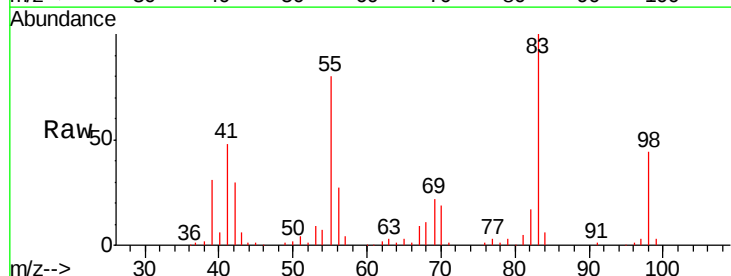


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

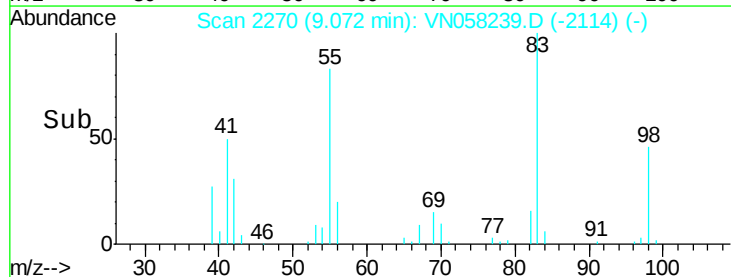
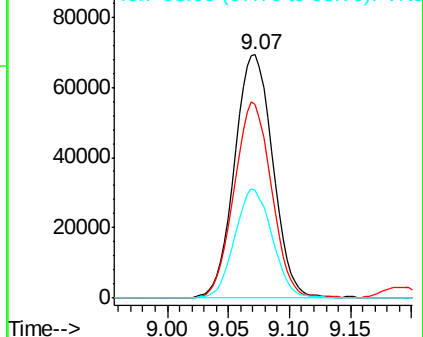


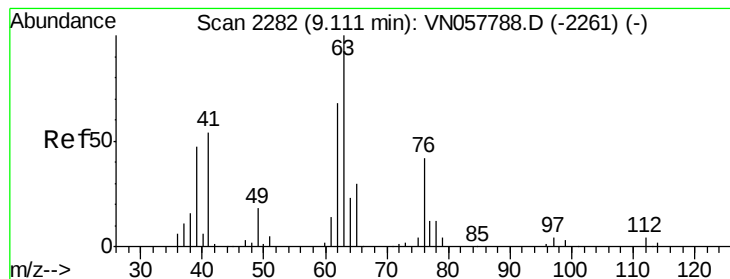
#38
 Methylcyclohexane
 Concen: 19.379 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 83 Resp: 150665
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 43.9 21.8 65.4



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





#39

1,2-Dichloropropane

Concen: 19.558 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

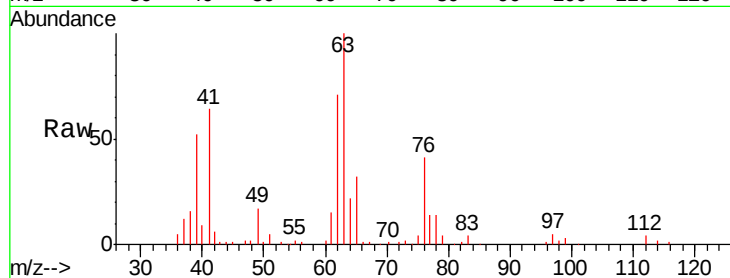
VN0920WBSD01

Tgt Ion: 63 Resp: 111116

Ion Ratio Lower Upper

63 100

65 31.5 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN058239.D (-2126) (-)

Ion 65.00 (64.70 to 65.70): VN058239.D (-2126) (-)

60000

50000

40000

30000

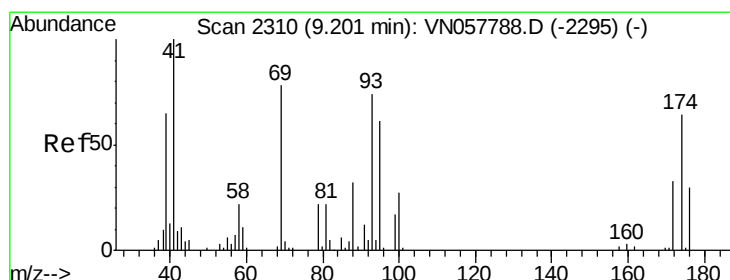
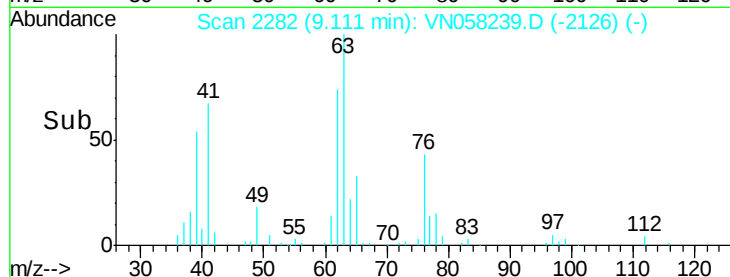
20000

10000

0

9.00 9.10 9.20

Time-->



#40

Dibromomethane

Concen: 20.489 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

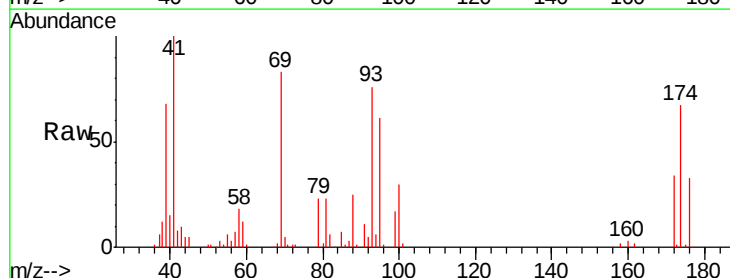
Tgt Ion: 93 Resp: 70799

Ion Ratio Lower Upper

93 100

95 78.1 0.0 163.0

174 88.9 0.0 171.4



Abundance Ion 93.00 (92.70 to 93.70): VN058239.D (-2154) (-)

Ion 95.00 (94.70 to 95.70): VN058239.D (-2154) (-)

Ion 174.00 (173.70 to 174.70): VN058239.D (-2154) (-)

40000

30000

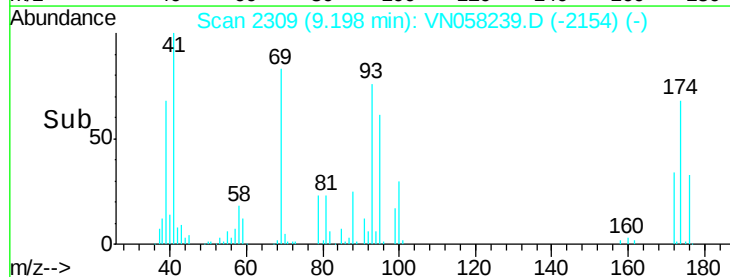
20000

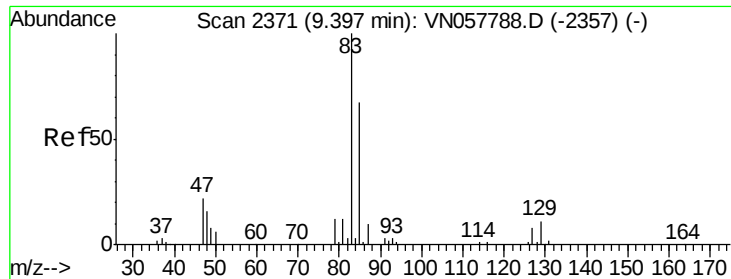
10000

0

9.15 9.20 9.25

Time-->





#41

Bromodichloromethane

Concen: 19.048 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

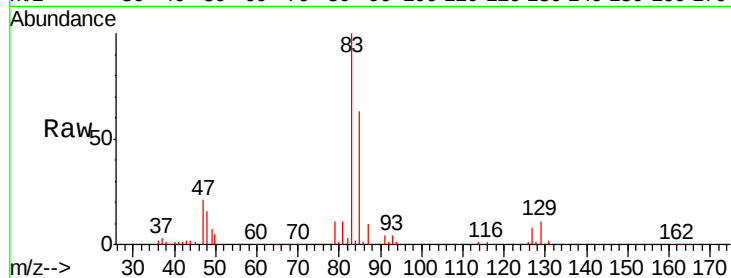
Tgt Ion: 83 Resp: 132703

Ion Ratio Lower Upper

83 100

85 63.0 53.4 80.0

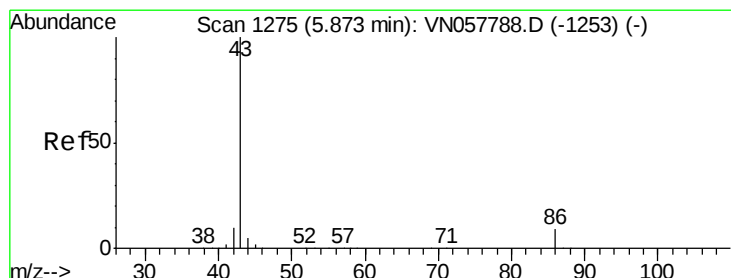
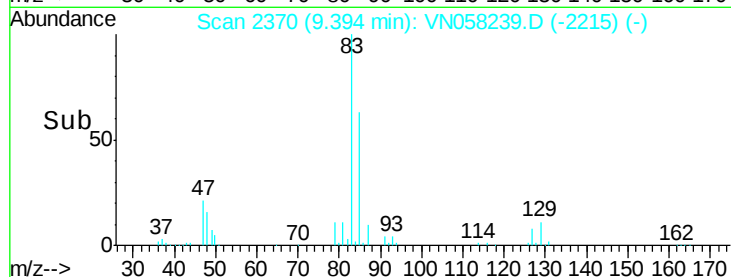
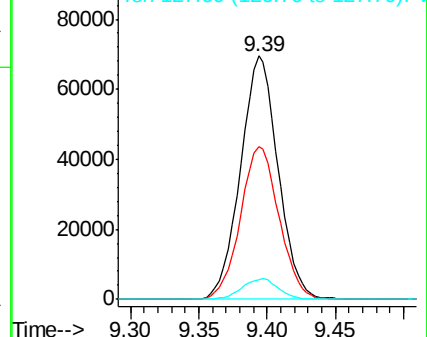
127 8.2 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 104.082 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058239.D

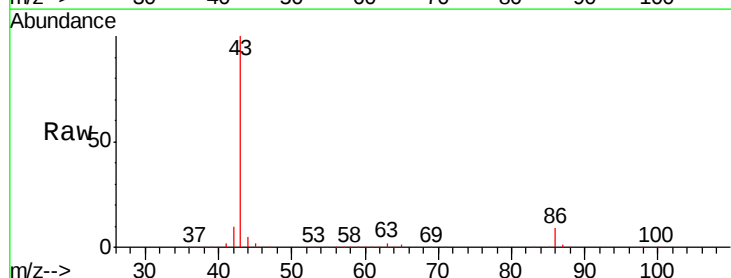
Acq: 20 Sep 2019 10:58

Tgt Ion: 43 Resp: 1287801

Ion Ratio Lower Upper

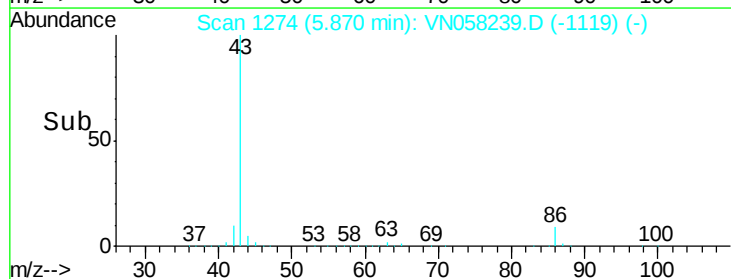
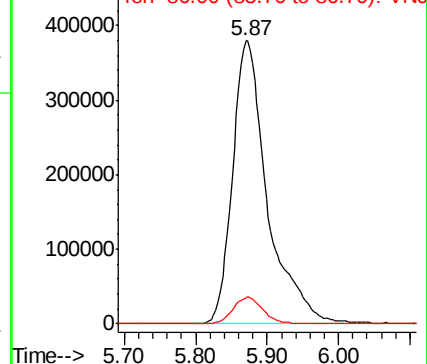
43 100

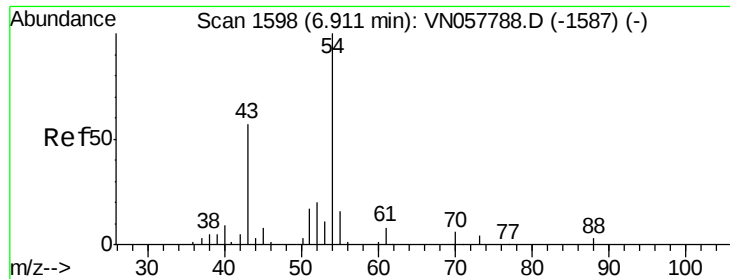
86 8.1 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.374 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

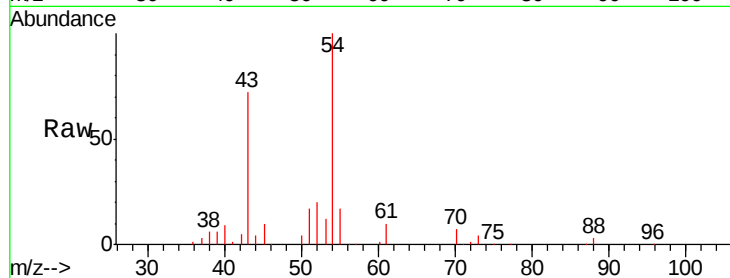
VN0920WBSD01

Tgt Ion: 43 Resp: 121687

Ion Ratio Lower Upper

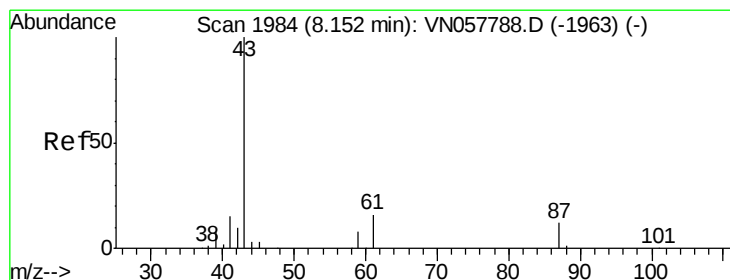
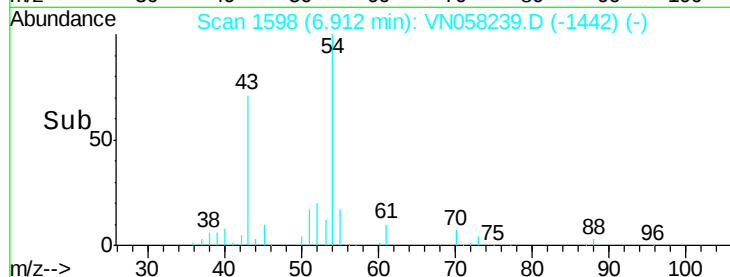
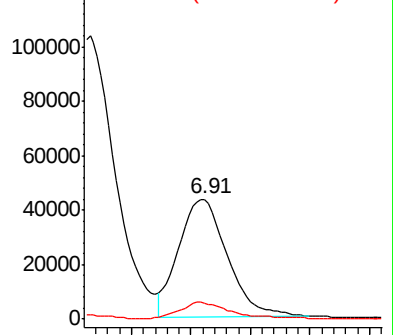
43 100

45 12.8 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.251 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058239.D

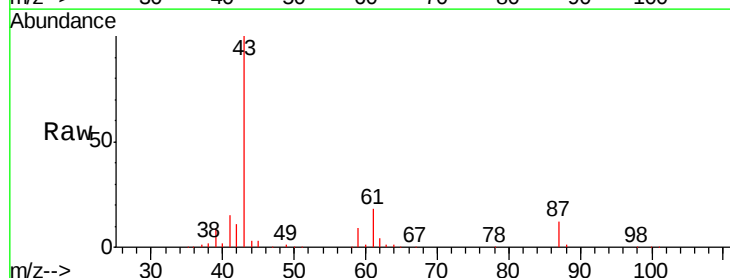
Acq: 20 Sep 2019 10:58

Tgt Ion: 43 Resp: 210817

Ion Ratio Lower Upper

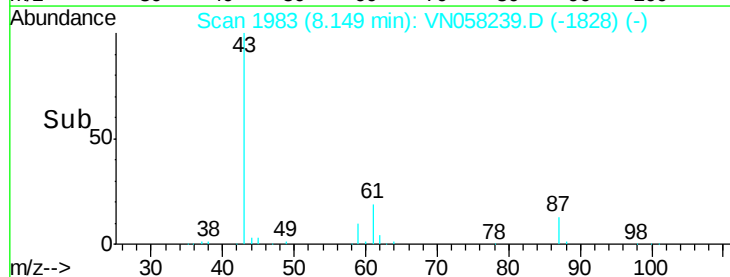
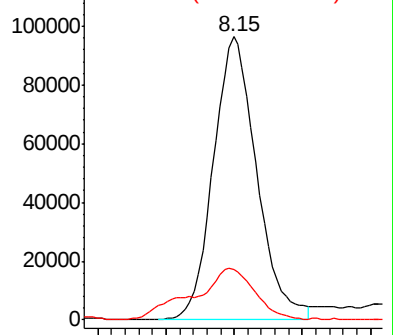
43 100

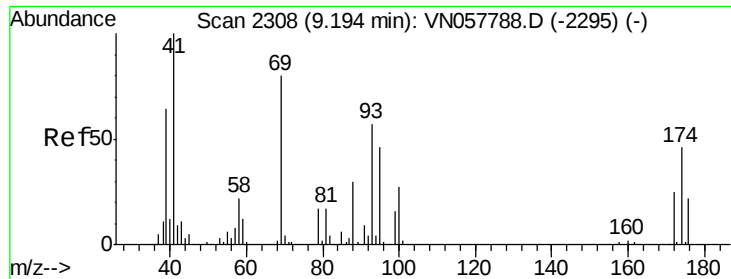
61 18.7 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

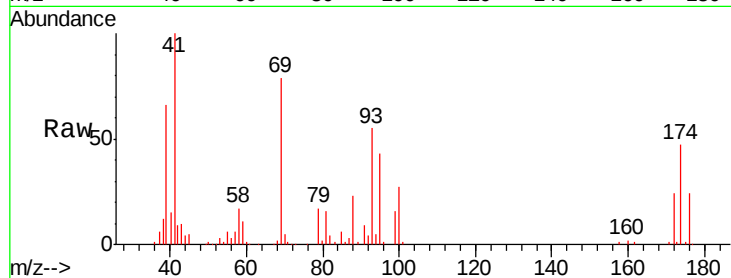




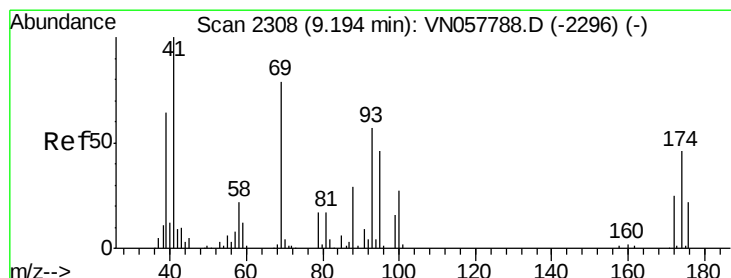
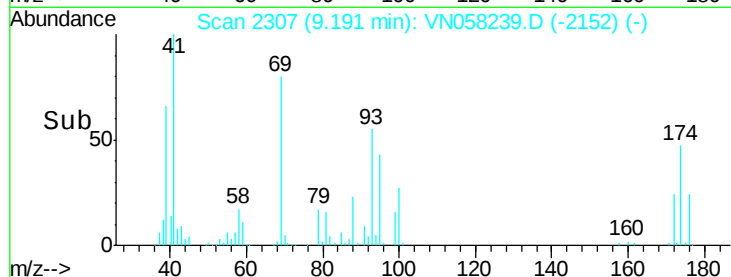
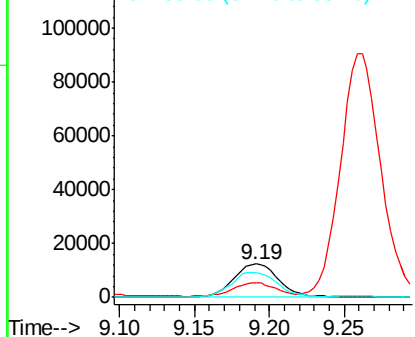
#45
 1,4-Dioxane
 Concen: 303.218 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

Tgt Ion: 88 Resp: 26093
 Ion Ratio Lower Upper
 88 100
 43 39.1 28.2 42.4
 58 76.7 58.5 87.7

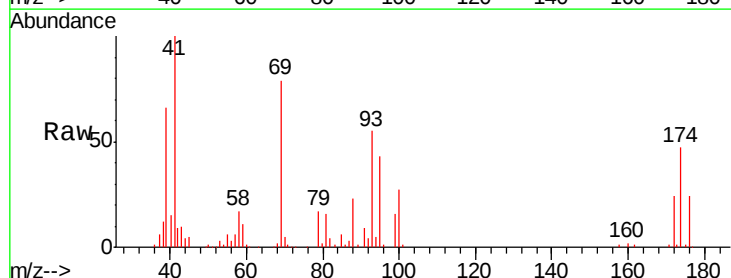


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

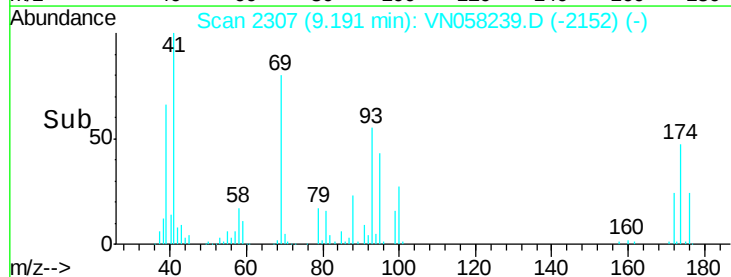
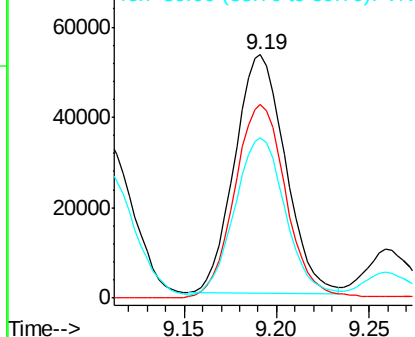


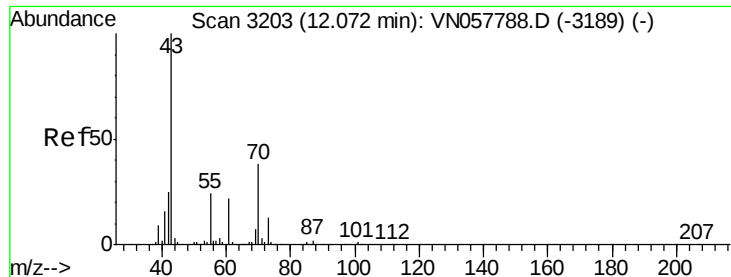
#46
 Methyl methacrylate
 Concen: 18.900 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 41 Resp: 101107
 Ion Ratio Lower Upper
 41 100
 69 80.8 39.6 119.0
 39 66.2 31.9 95.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

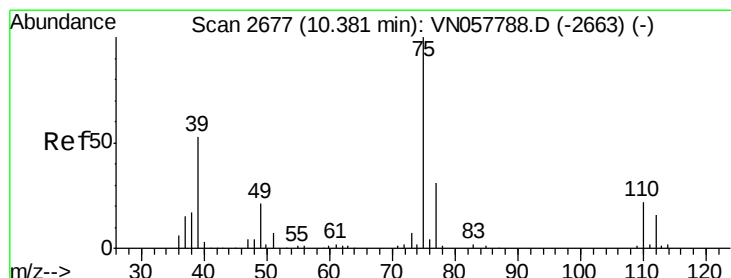
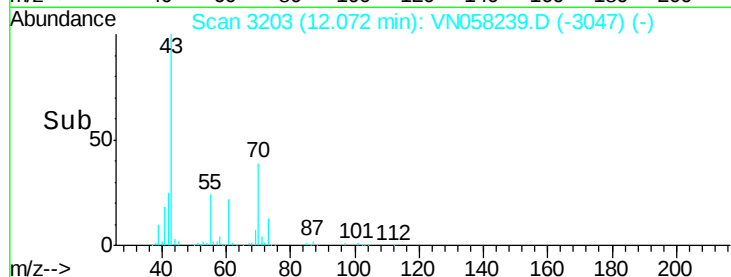
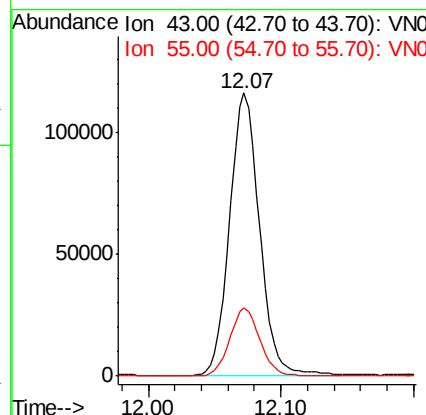
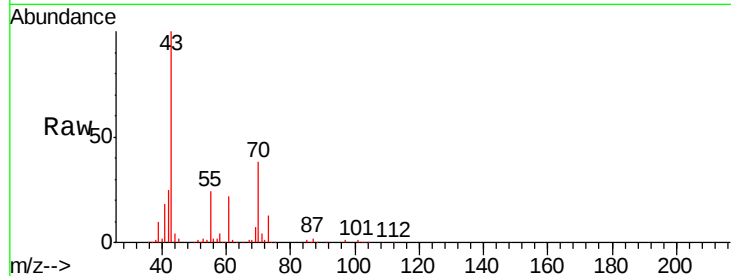




#47
n-amyl Acetate
Concen: 17.996 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

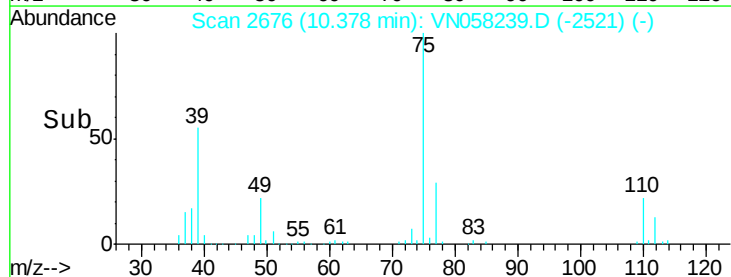
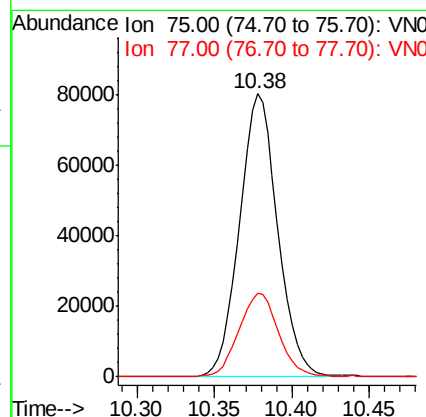
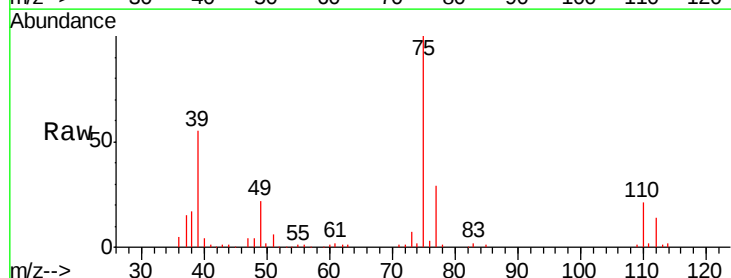
Instrument :
MSVOA_N
ClientSampled :
VN0920WBSD01

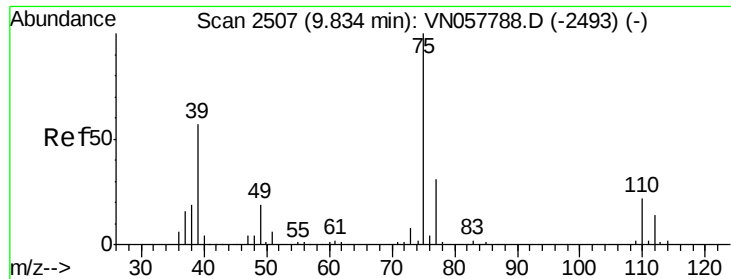
Tgt Ion: 43 Resp: 181036
Ion Ratio Lower Upper
43 100
55 24.5 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 18.559 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion: 75 Resp: 137643
Ion Ratio Lower Upper
75 100
77 29.4 24.9 37.3

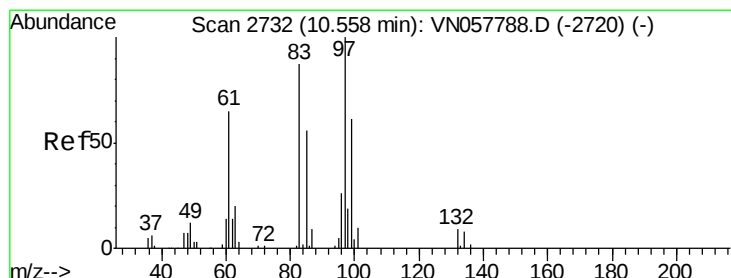
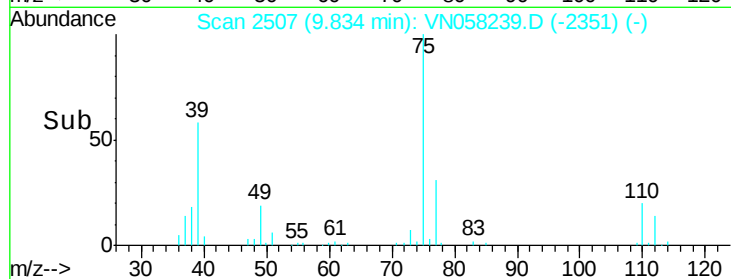
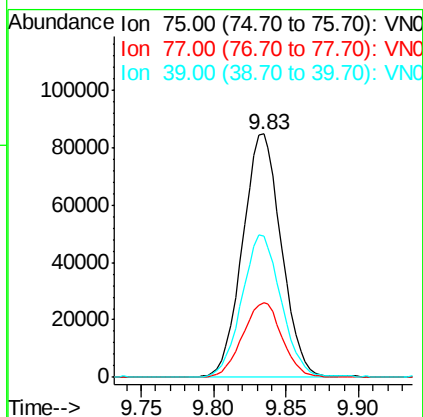
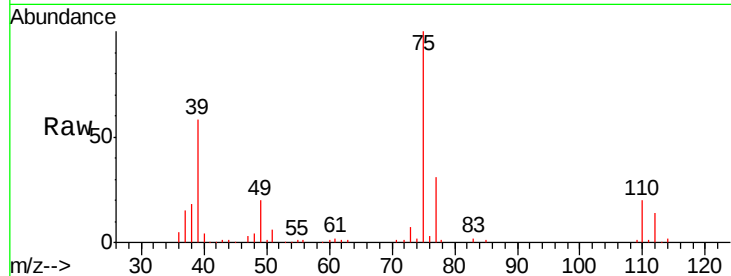




#49
 cis-1,3-Dichloropropene
 Concen: 19.003 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

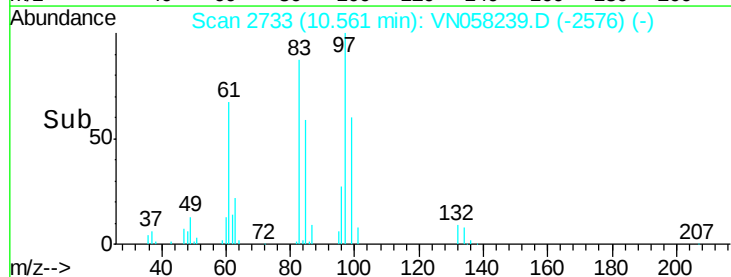
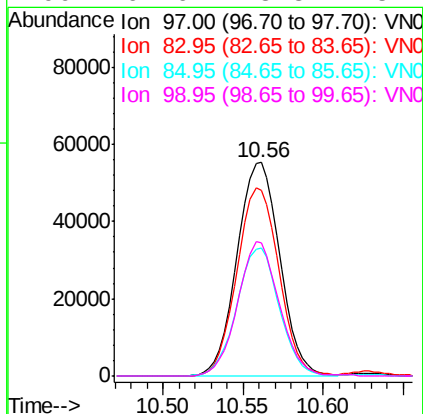
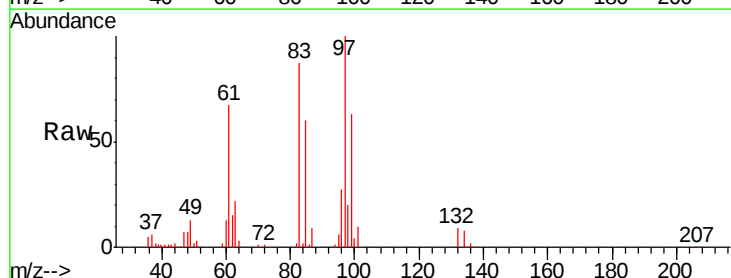
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

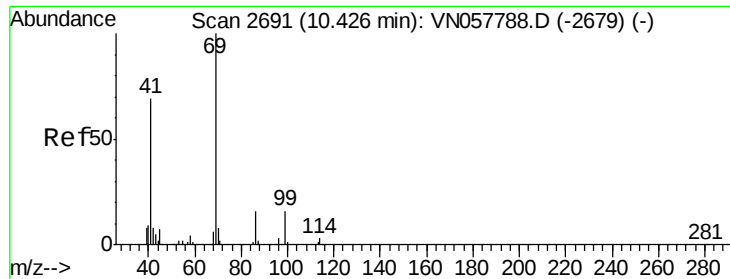
Tgt Ion: 75 Resp: 158134
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 36.8
 39 57.6 45.8 68.8



#50
 1,1,2-Trichloroethane
 Concen: 20.118 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 97 Resp: 100838
 Ion Ratio Lower Upper
 97 100
 83 86.8 69.4 104.2
 85 59.8 45.0 67.6
 99 62.6 48.8 73.2





#51

Ethyl methacrylate

Concen: 18.928 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

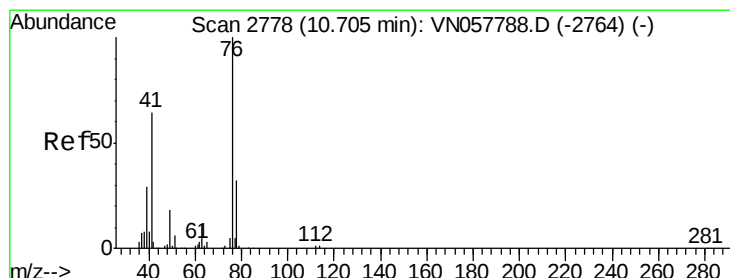
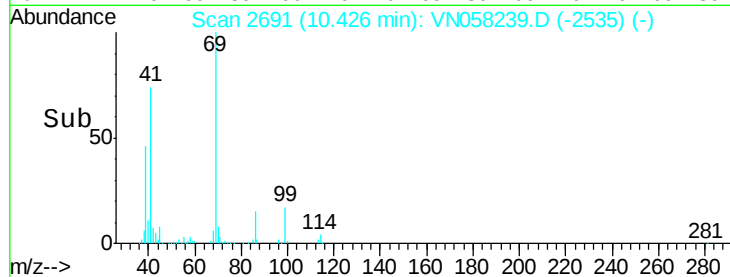
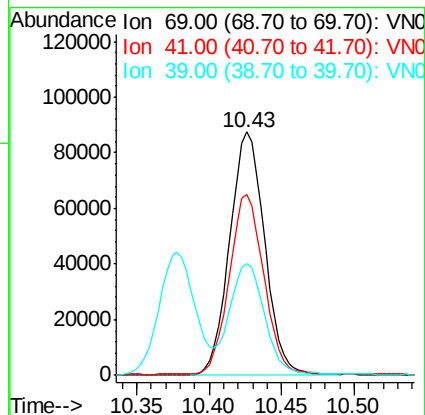
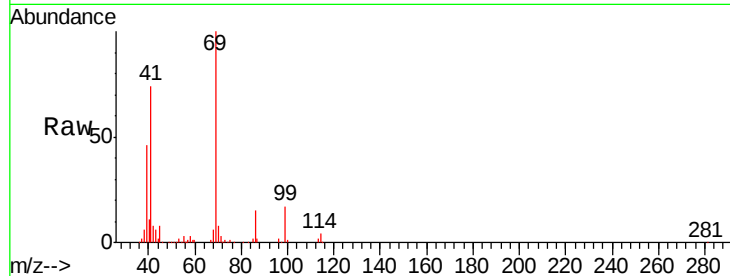
Tgt Ion: 69 Resp: 147103

Ion Ratio Lower Upper

69 100

41 74.0 34.5 103.5

39 45.1 22.4 67.3



#52

1,3-Dichloropropane

Concen: 19.786 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058239.D

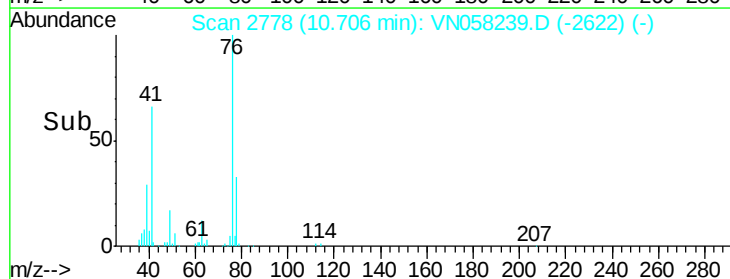
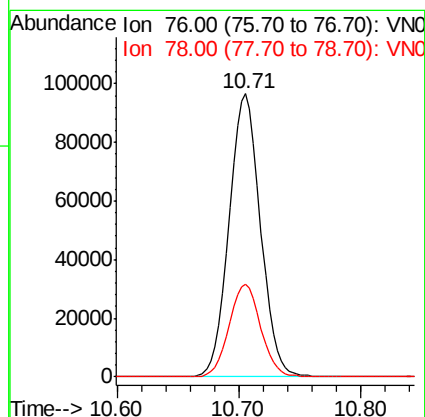
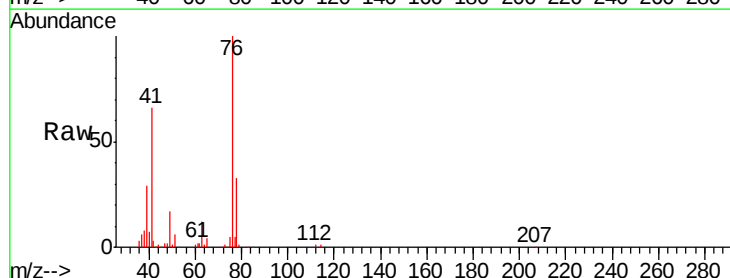
Acq: 20 Sep 2019 10:58

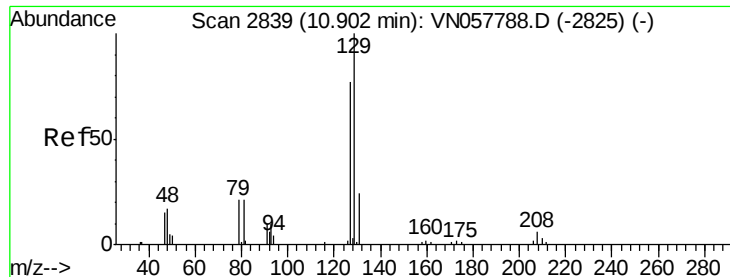
Tgt Ion: 76 Resp: 173439

Ion Ratio Lower Upper

76 100

78 33.0 0.0 63.8





#53

Dibromochloromethane

Concen: 18.101 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

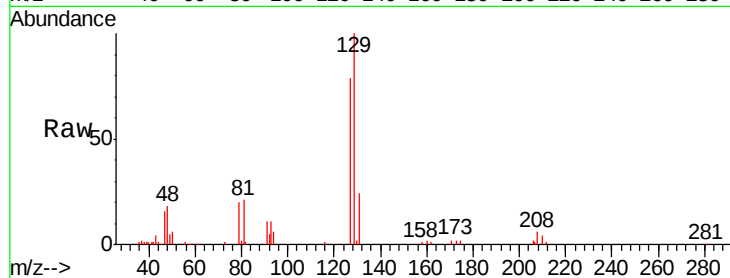
VN0920WBSD01

Tgt Ion:129 Resp: 89601

Ion Ratio Lower Upper

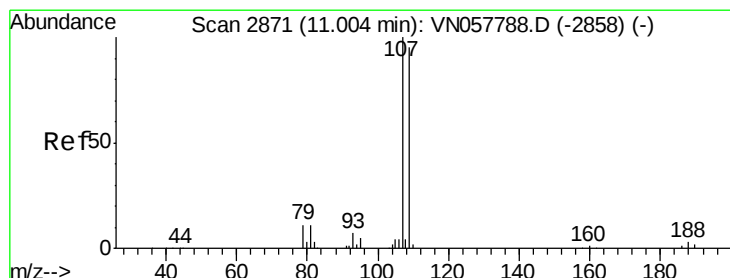
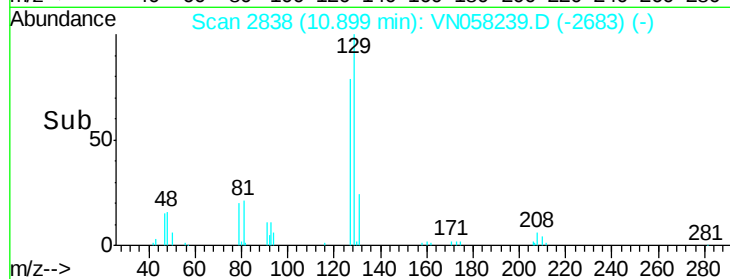
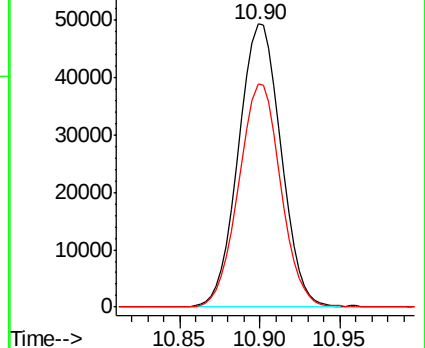
129 100

127 77.8 38.8 116.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.970 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058239.D

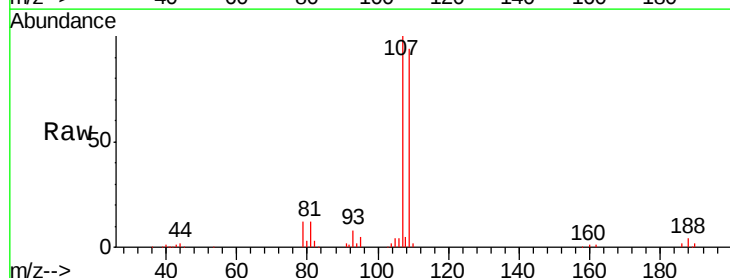
Acq: 20 Sep 2019 10:58

Tgt Ion:107 Resp: 94607

Ion Ratio Lower Upper

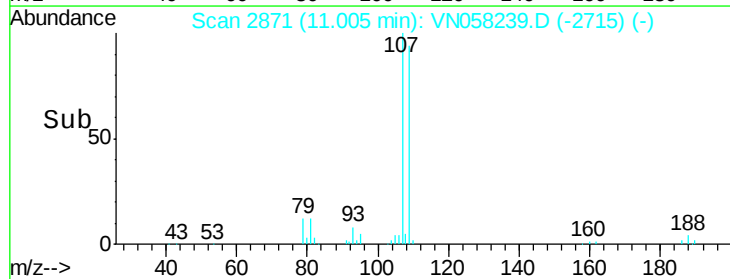
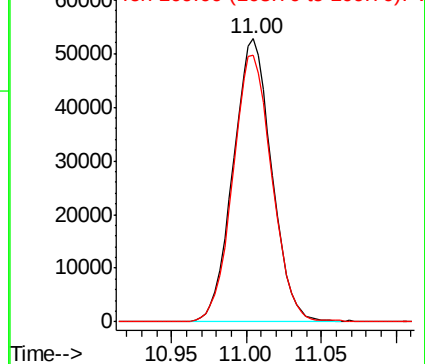
107 100

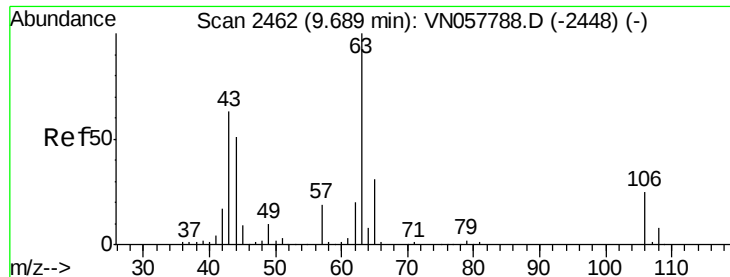
109 95.4 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

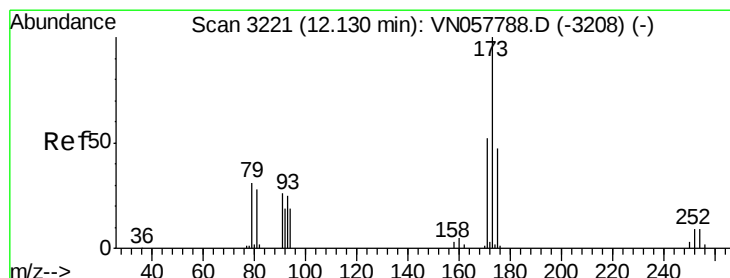
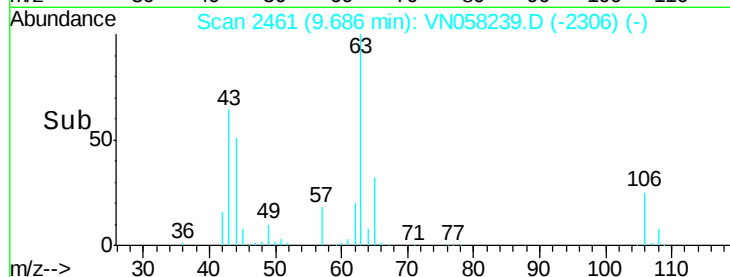
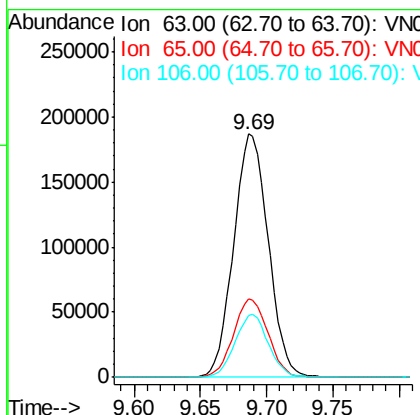
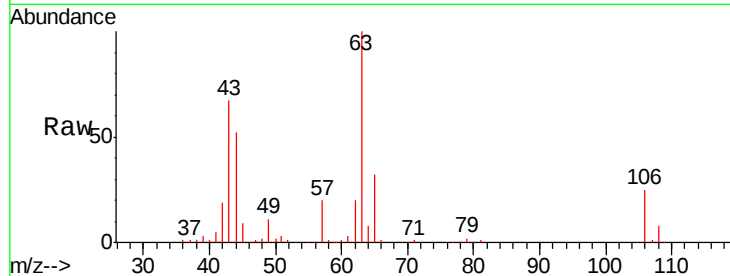




#55
 2-Chloroethyl vinyl ether
 Concen: 92.049 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

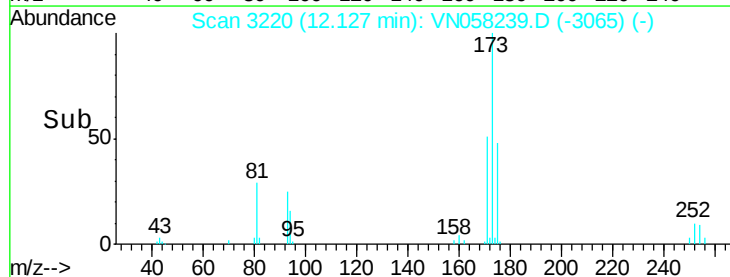
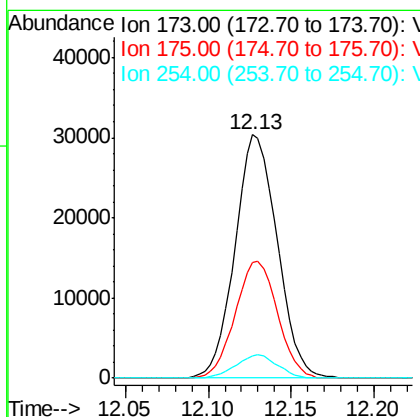
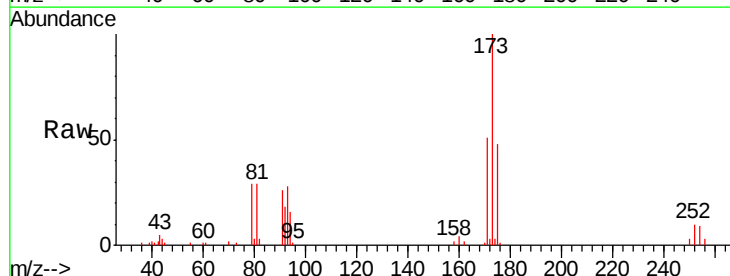
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

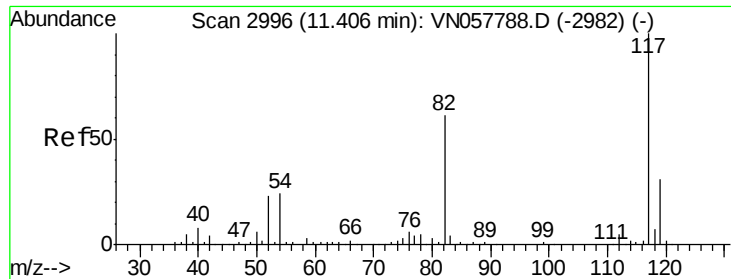
Tgt Ion: 63 Resp: 339933
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6
 106 25.0 19.8 29.8



#56
 Bromoform
 Concen: 17.575 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 173 Resp: 53895
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.4 57.6
 254 9.3 6.9 10.3

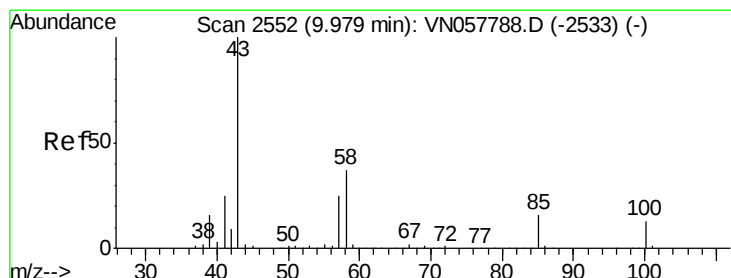
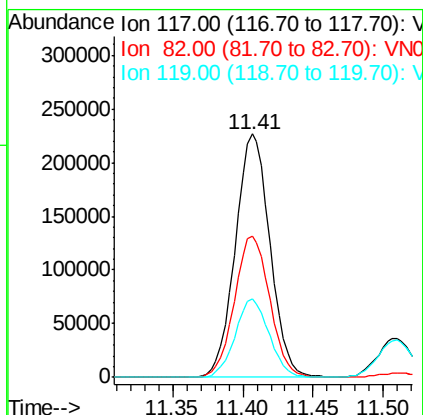
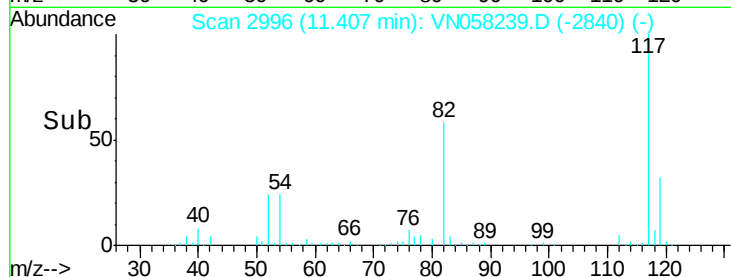
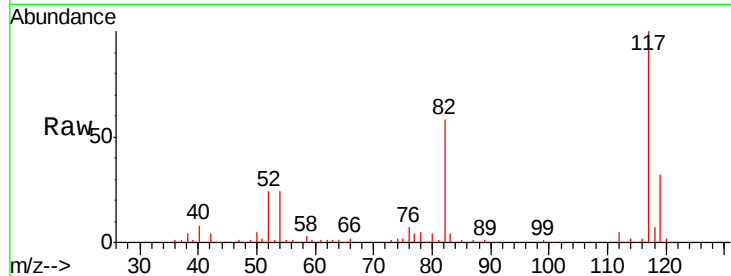




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

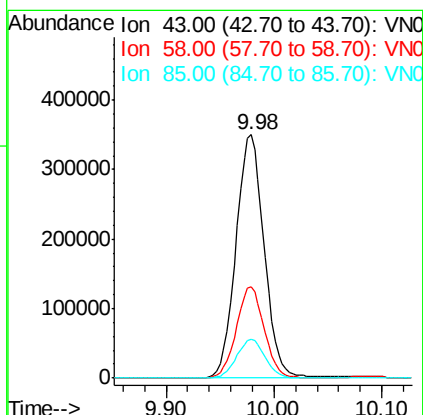
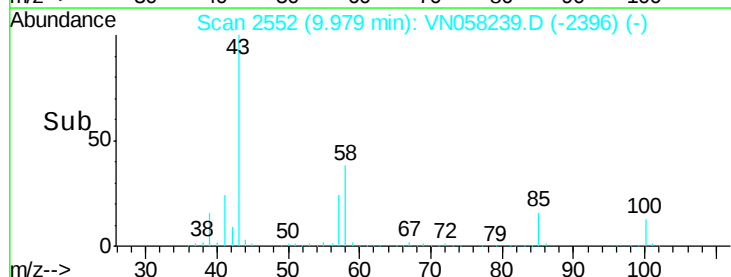
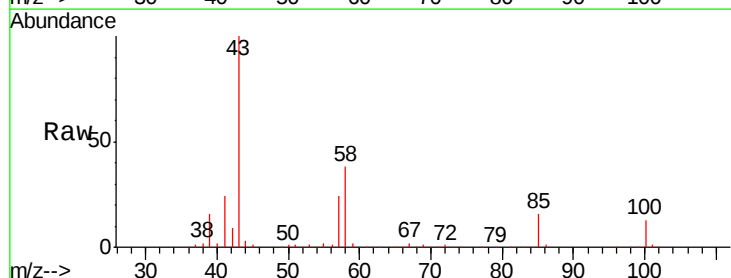
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

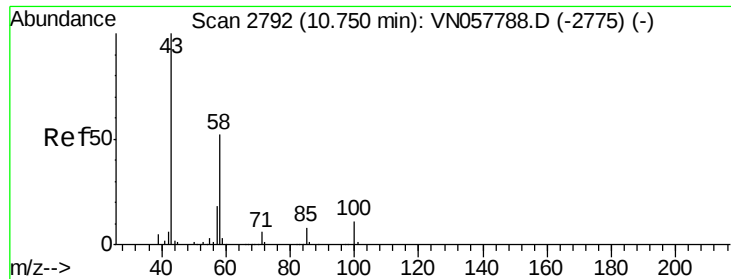
Tgt Ion: 117 Resp: 390588
Ion Ratio Lower Upper
117 100
82 59.1 47.6 71.4
119 31.7 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 105.050 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion: 43 Resp: 636306
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.0
85 16.1 12.9 19.3

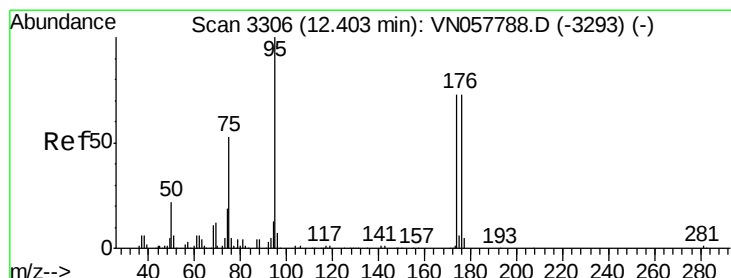
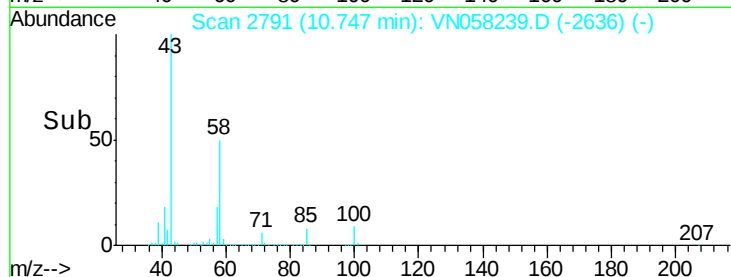
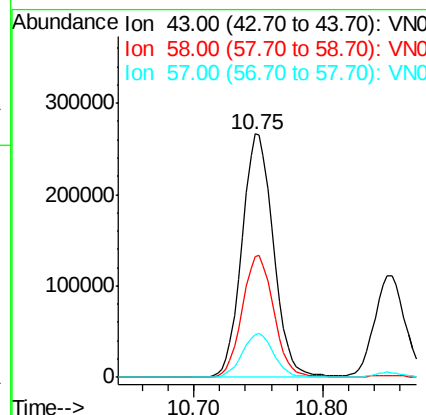
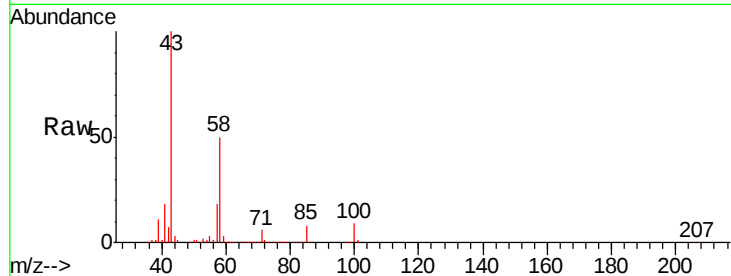




#59
2-Hexanone
Concen: 99.281 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

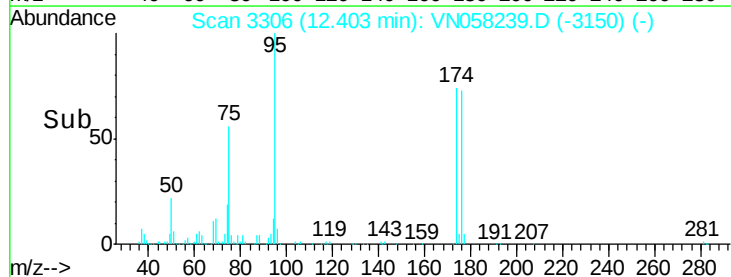
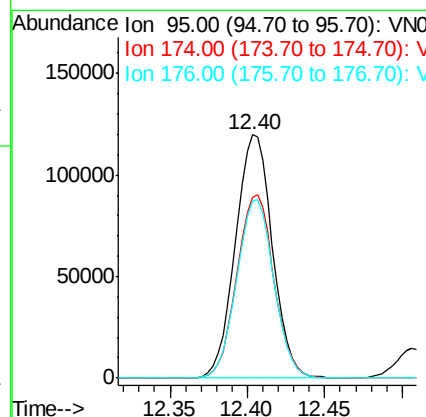
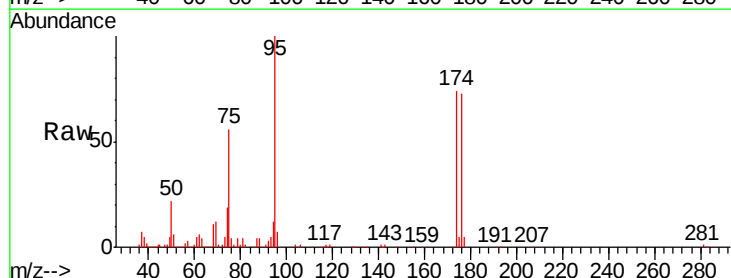
Instrument :
MSVOA_N
ClientSampled :
VN0920WBSD01

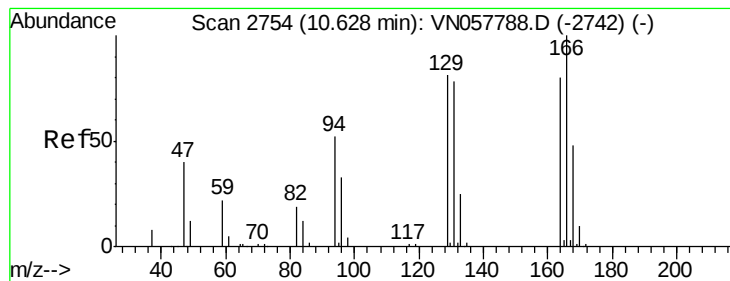
Tgt Ion: 43 Resp: 451274
Ion Ratio Lower Upper
43 100
58 50.4 40.6 61.0
57 18.2 14.5 21.7



#60
4-Bromofluorobenzene
Concen: 29.669 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion: 95 Resp: 198297
Ion Ratio Lower Upper
95 100
174 76.0 59.4 89.0
176 73.6 57.4 86.0





#61

Tetrachloroethene

Concen: 19.506 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

Tgt Ion:164 Resp: 77463

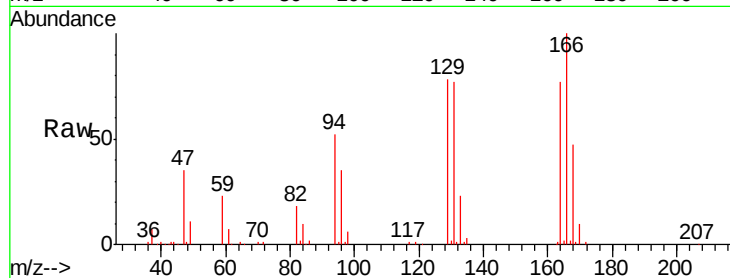
Ion Ratio Lower Upper

164 100

166 130.5 99.6 149.4

129 102.0 80.9 121.3

131 99.9 77.2 115.8

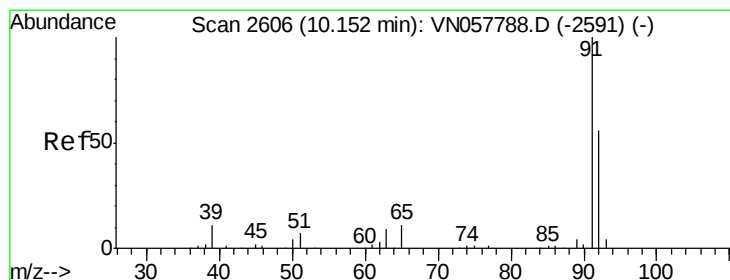
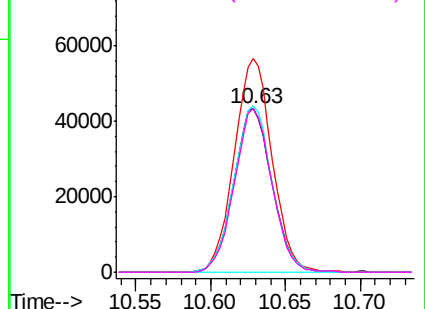
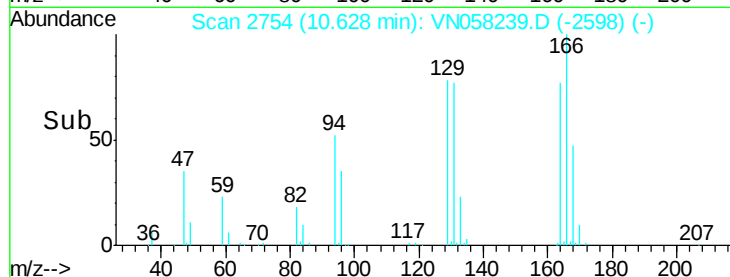


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.325 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058239.D

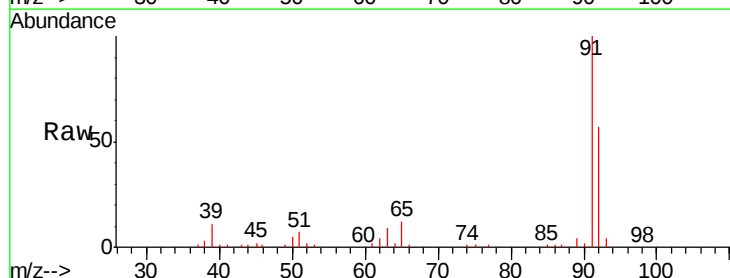
Acq: 20 Sep 2019 10:58

Tgt Ion: 91 Resp: 439574

Ion Ratio Lower Upper

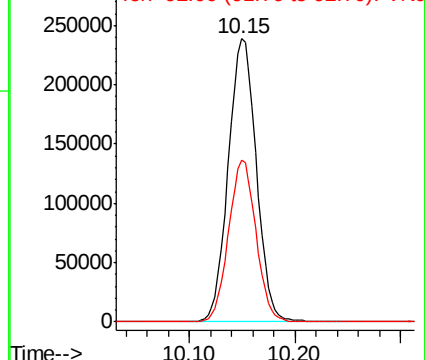
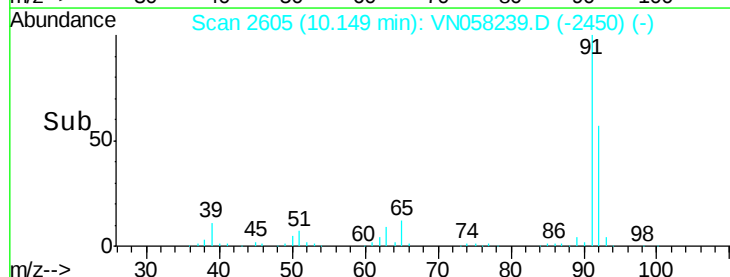
91 100

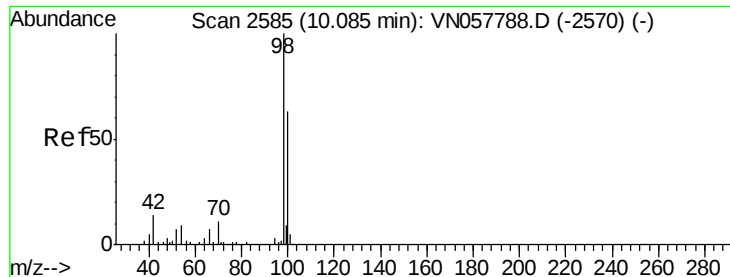
92 55.7 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.985 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

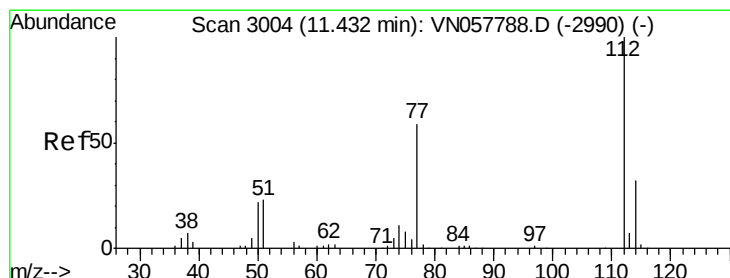
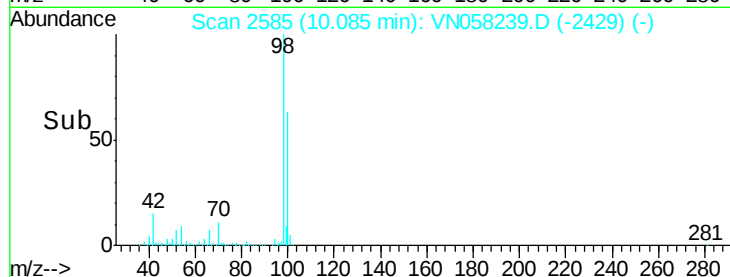
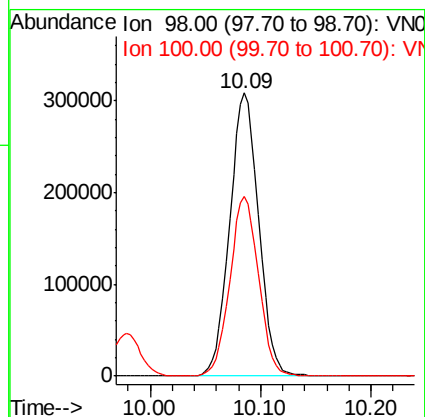
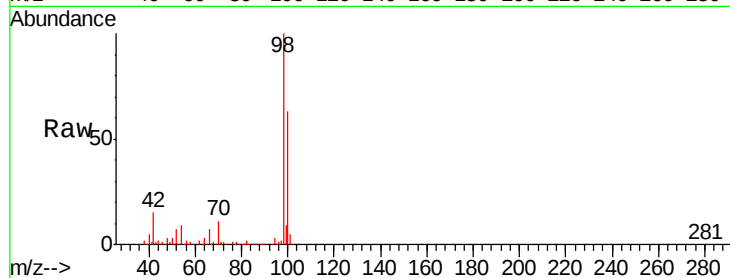
VN0920WBSD01

Tgt Ion: 98 Resp: 562149

Ion Ratio Lower Upper

98 100

100 62.2 50.3 75.5



#64

Chlorobenzene

Concen: 19.446 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058239.D

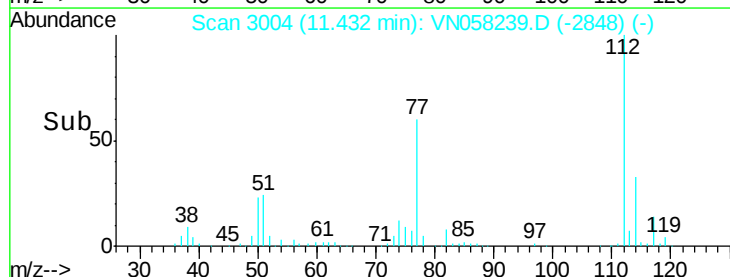
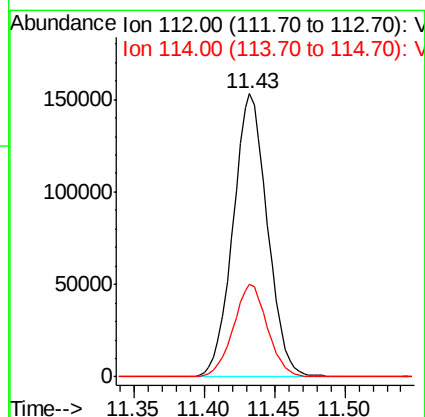
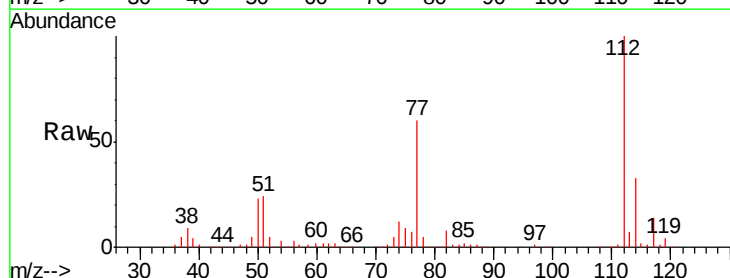
Acq: 20 Sep 2019 10:58

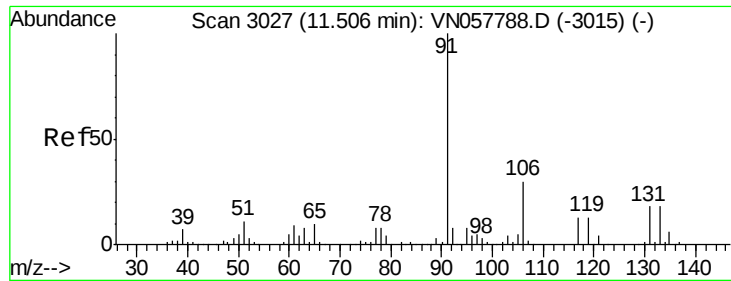
Tgt Ion: 112 Resp: 260894

Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.961 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0920WBSD01

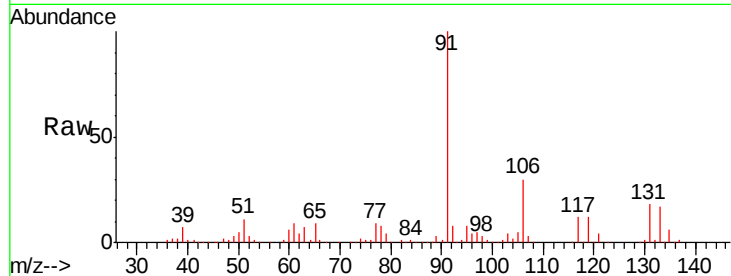
Tgt Ion: 131 Resp: 92983

Ion Ratio Lower Upper

131 100

133 92.8 0.0 189.2

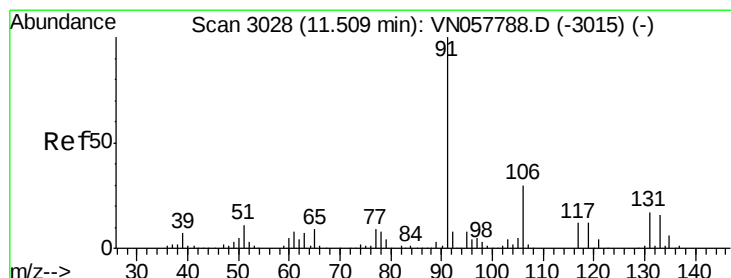
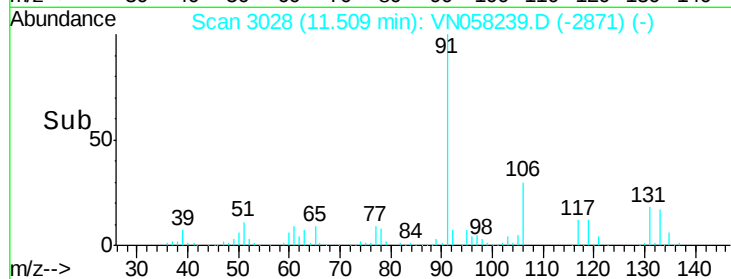
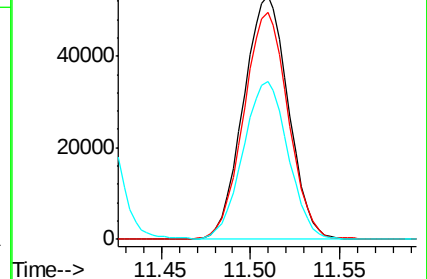
119 65.3 0.0 136.4



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: 20.456 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058239.D

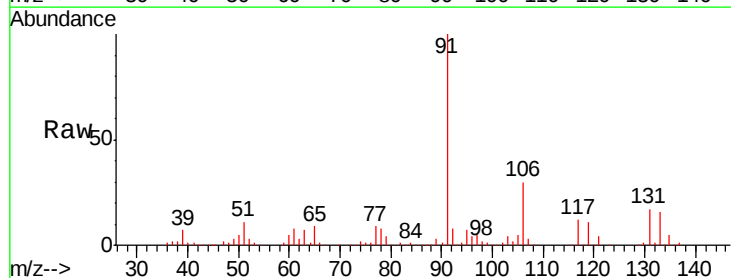
Acq: 20 Sep 2019 10:58

Tgt Ion: 91 Resp: 482834

Ion Ratio Lower Upper

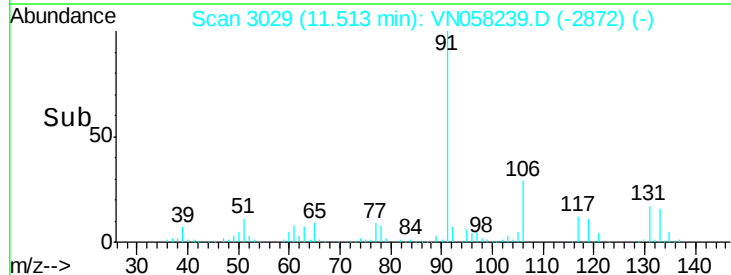
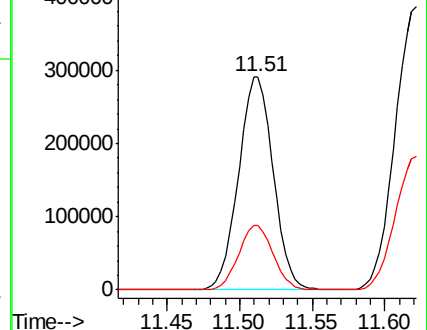
91 100

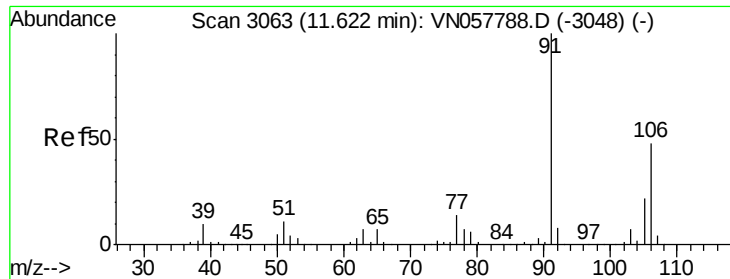
106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

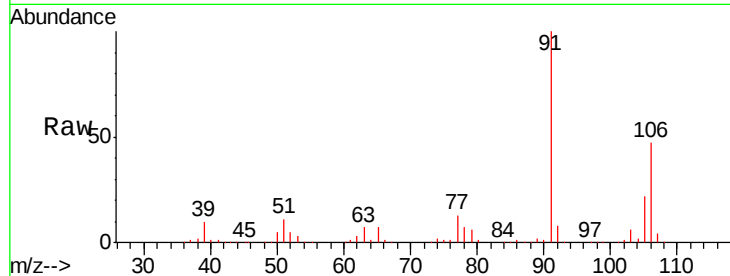




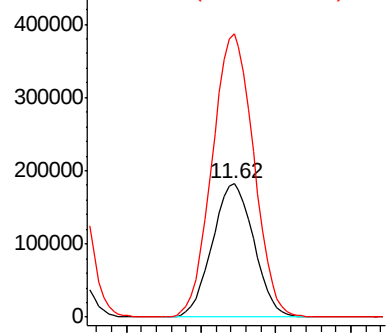
#67
m/p-Xylenes
Concen: 39.002 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampled :
VN0920WBSD01

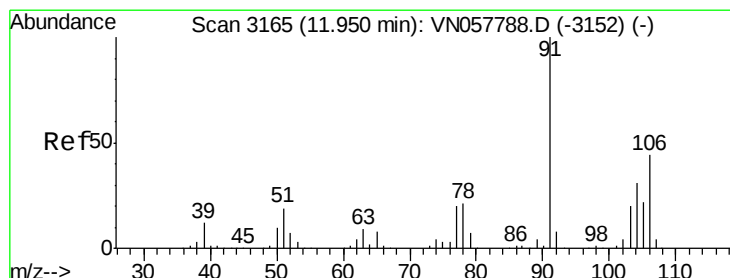
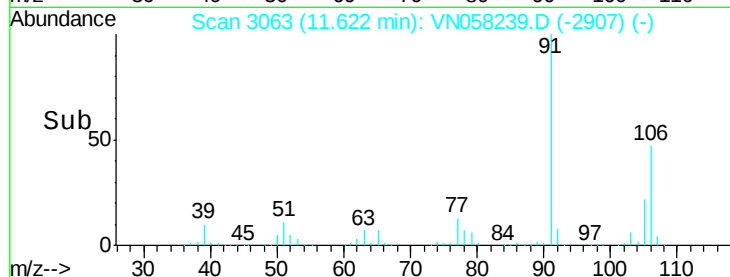
Tgt Ion:106 Resp: 351372
Ion Ratio Lower Upper
106 100
91 212.2 166.1 249.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

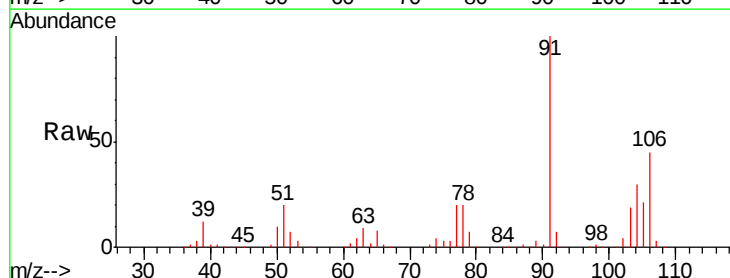


Time-->

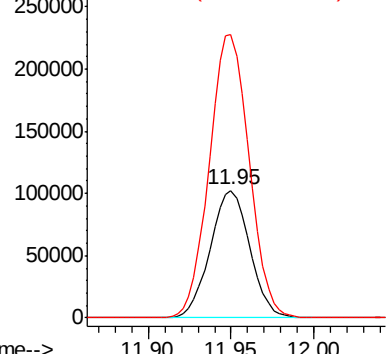


#68
o-Xylene
Concen: 19.263 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

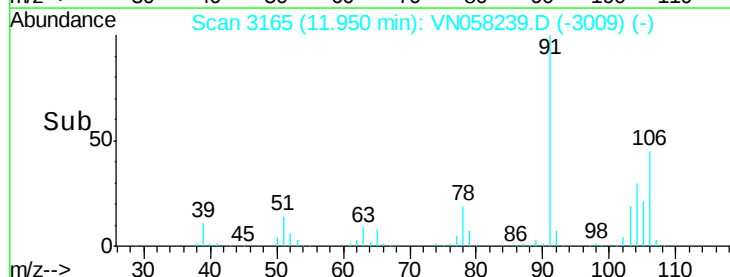
Tgt Ion:106 Resp: 170010
Ion Ratio Lower Upper
106 100
91 224.1 111.5 334.4

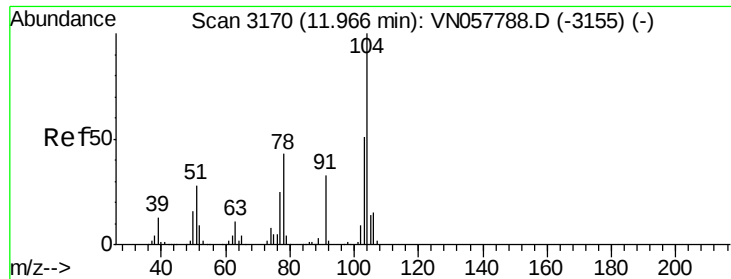


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0



Time-->





#69

Styrene

Concen: 19.439 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

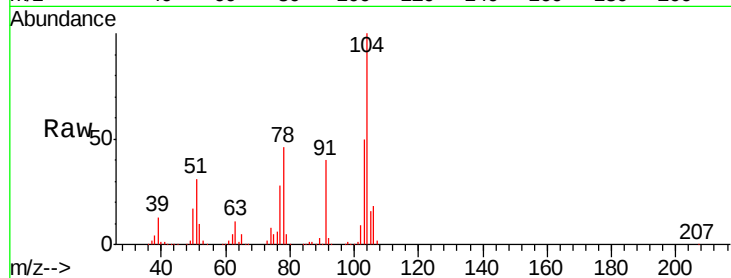
Tgt Ion:104 Resp: 292520

Ion Ratio Lower Upper

104 100

78 51.9 41.5 62.3

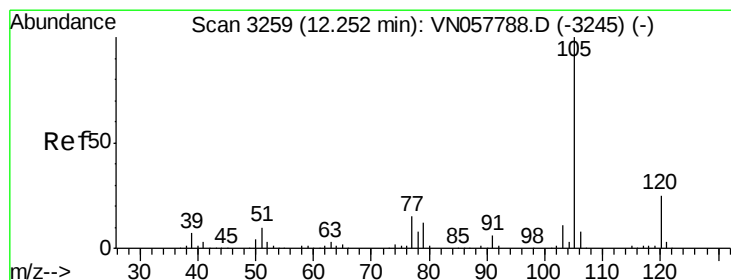
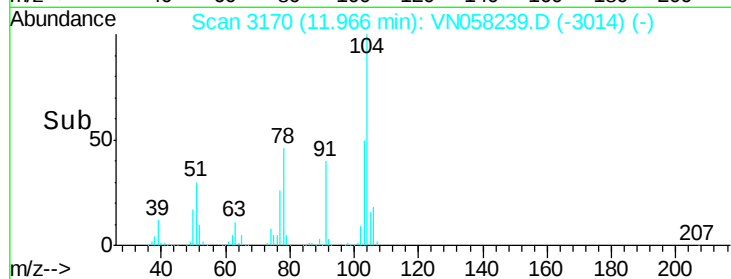
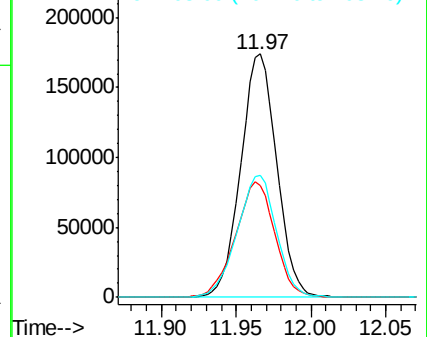
103 54.6 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.348 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058239.D

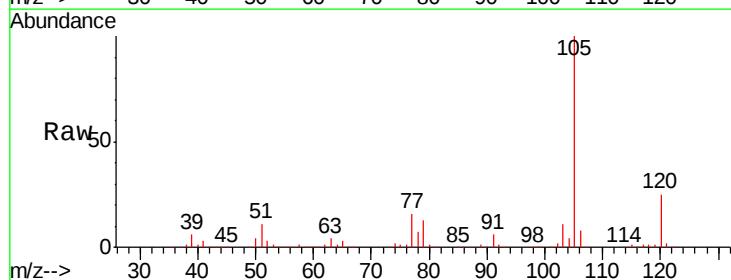
Acq: 20 Sep 2019 10:58

Tgt Ion:105 Resp: 474786

Ion Ratio Lower Upper

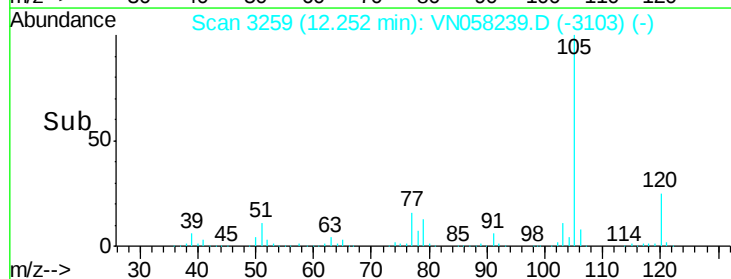
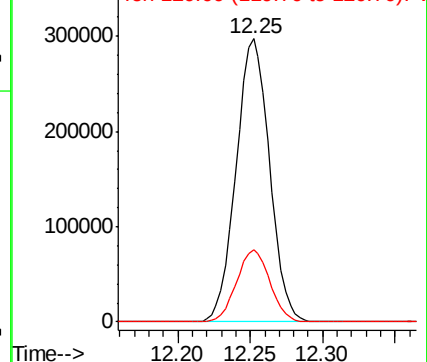
105 100

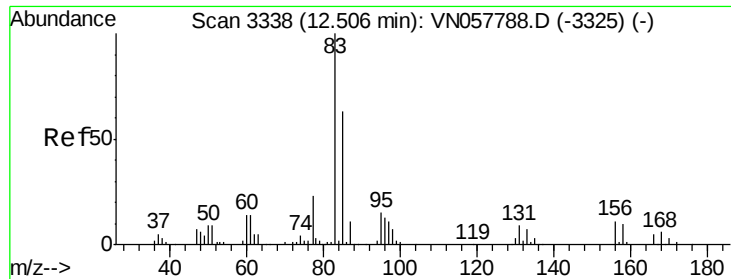
120 25.5 17.6 32.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

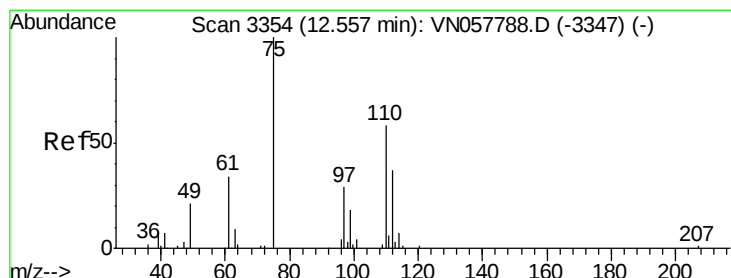
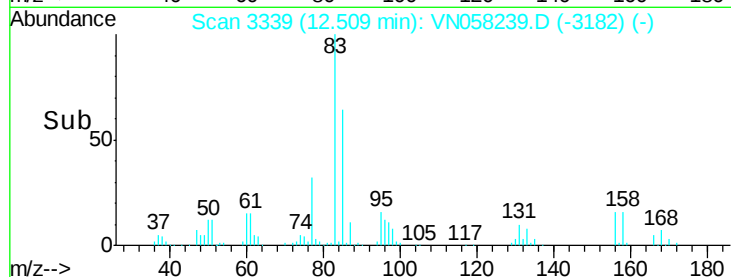
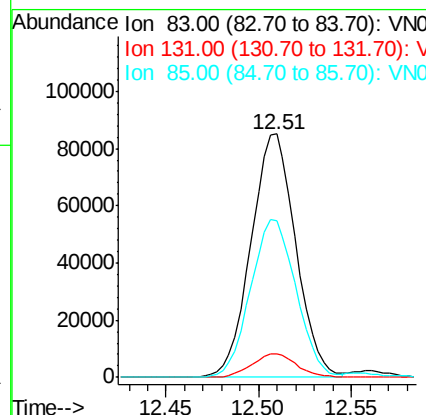
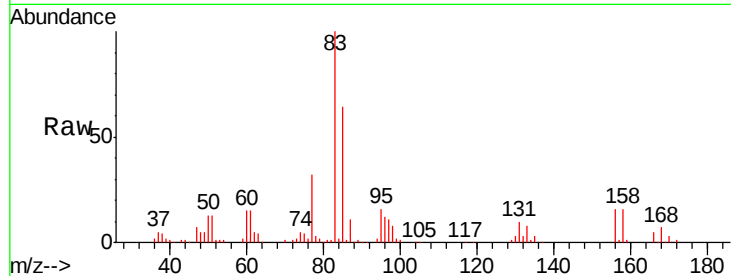




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.535 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

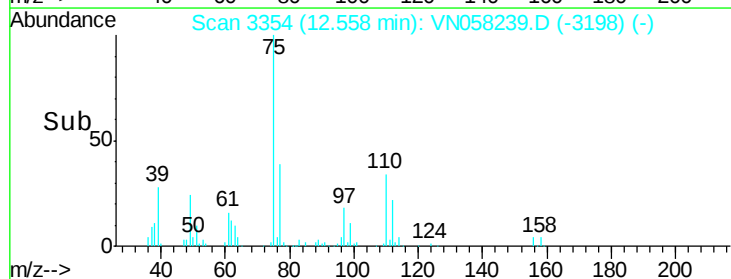
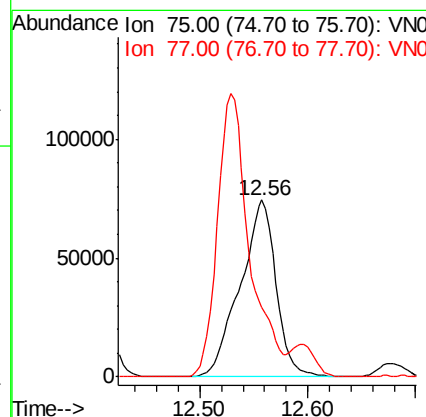
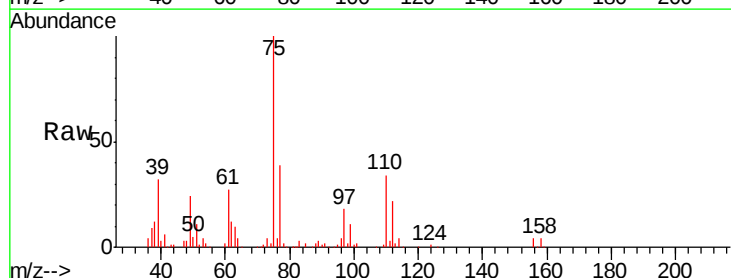
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

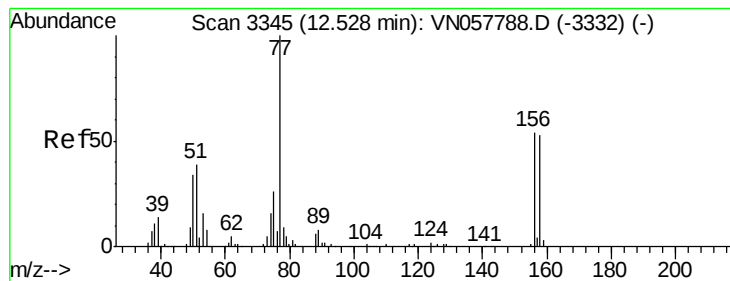
Tgt Ion: 83 Resp: 142452
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.6
 85 66.0 32.1 96.3



#72
 1,2,3-Trichloropropane
 Concen: 26.559 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 75 Resp: 171898
 Ion Ratio Lower Upper
 75 100
 77 143.2 0.0 351.6





#73

Bromobenzene

Concen: 19.900 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

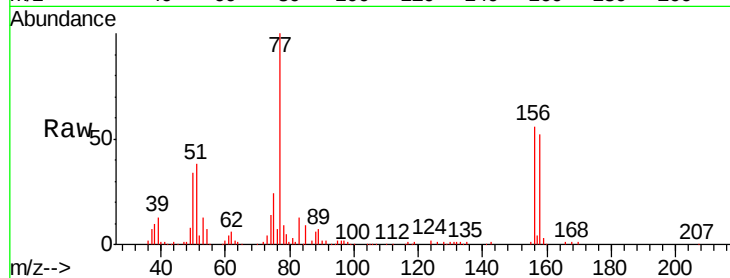
Tgt Ion:156 Resp: 111163

Ion Ratio Lower Upper

156 100

77 221.5 0.0 446.6

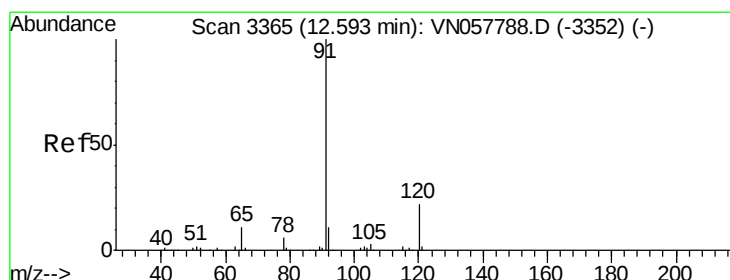
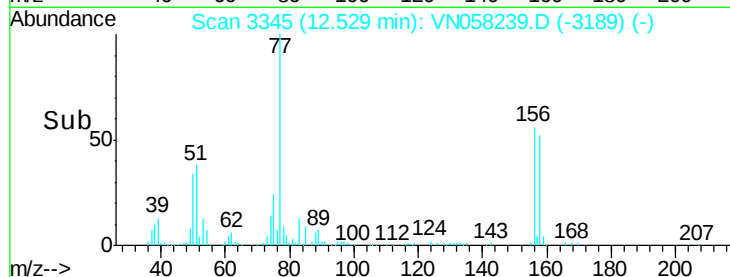
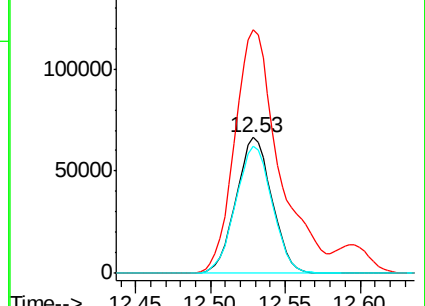
158 95.8 0.0 197.2



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: 20.999 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058239.D

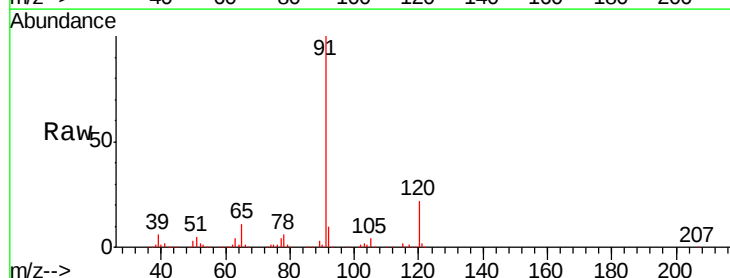
Acq: 20 Sep 2019 10:58

Tgt Ion: 91 Resp: 559796

Ion Ratio Lower Upper

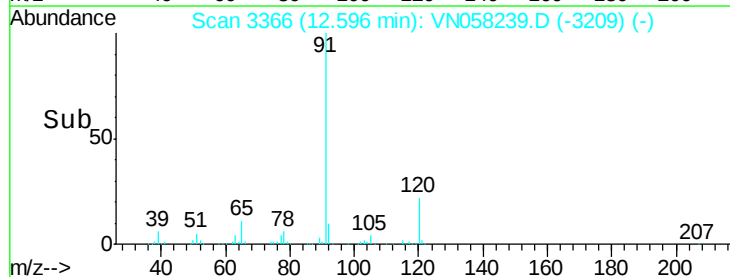
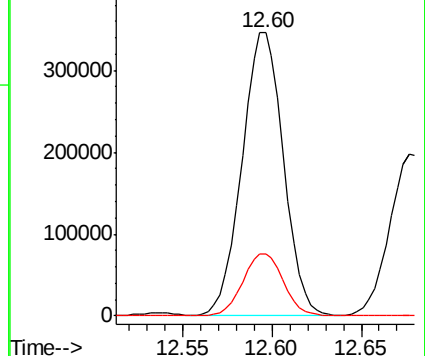
91 100

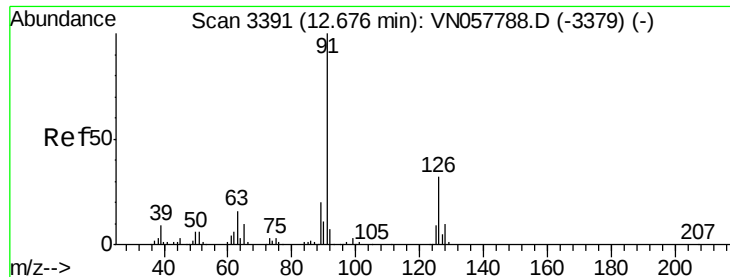
120 21.5 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.795 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

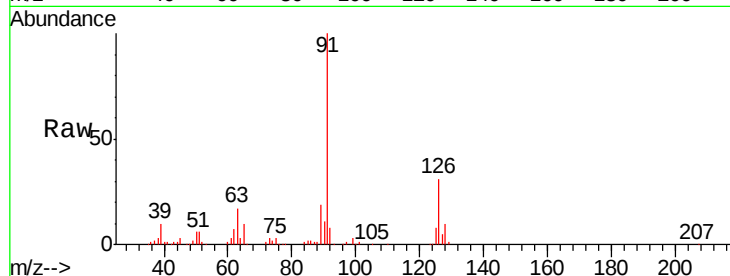
VN0920WBSD01

Tgt Ion: 91 Resp: 328691

Ion Ratio Lower Upper

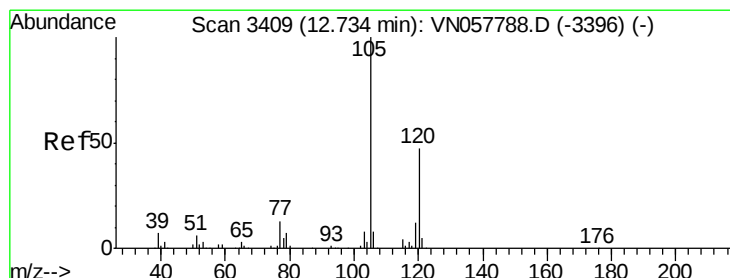
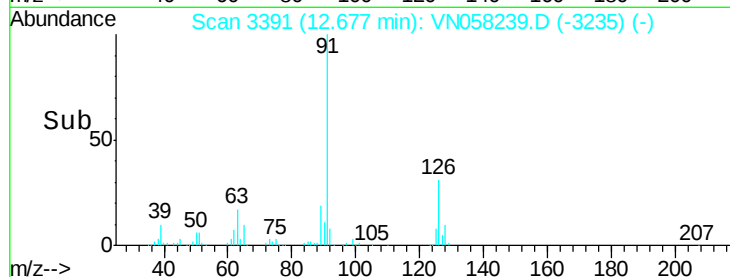
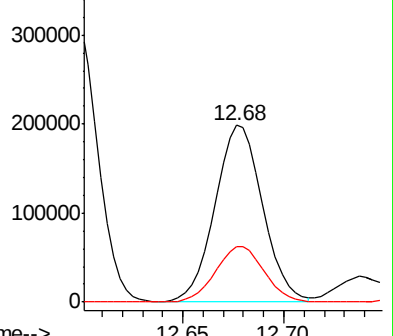
91 100

126 32.1 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.103 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058239.D

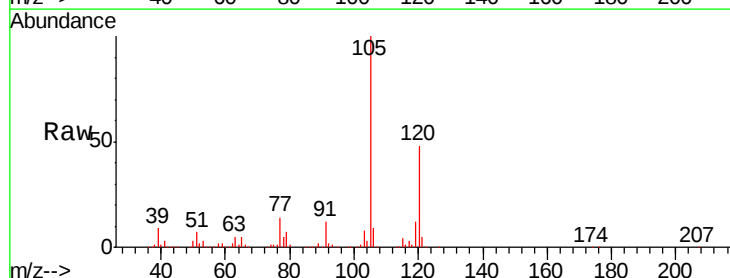
Acq: 20 Sep 2019 10:58

Tgt Ion: 105 Resp: 399416

Ion Ratio Lower Upper

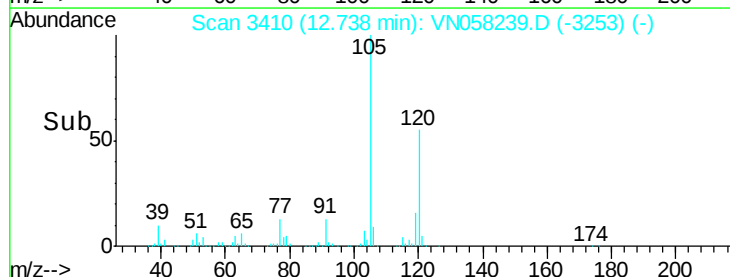
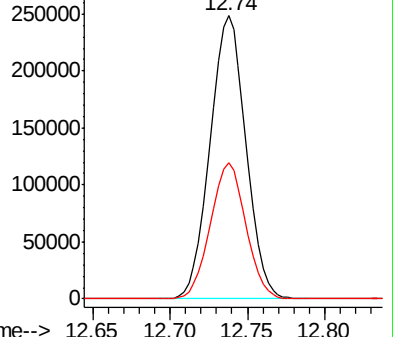
105 100

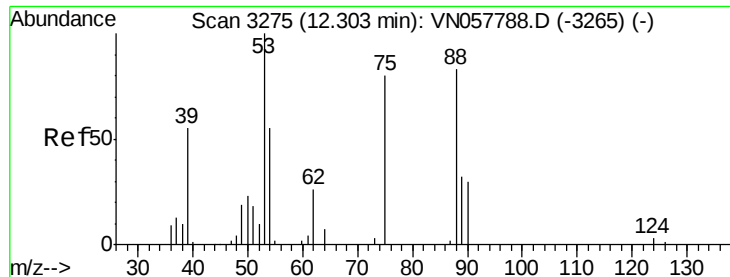
120 47.6 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.109 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

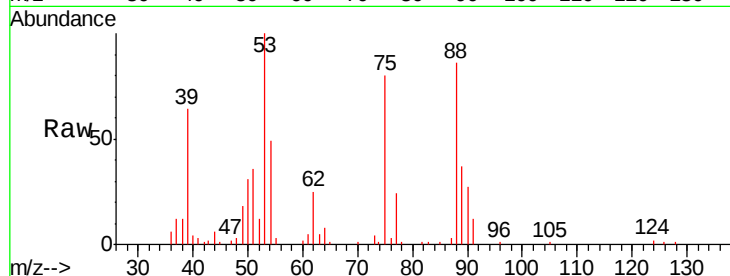
Tgt Ion: 75 Resp: 32852

Ion Ratio Lower Upper

75 100

53 124.7 62.7 188.2

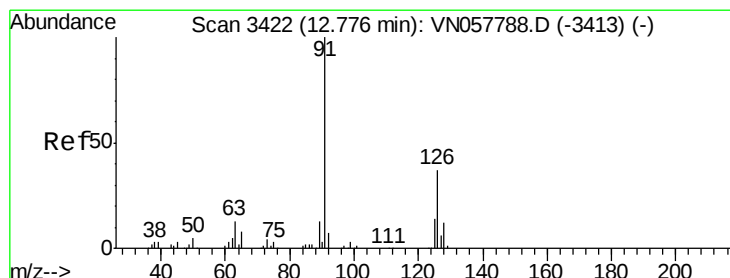
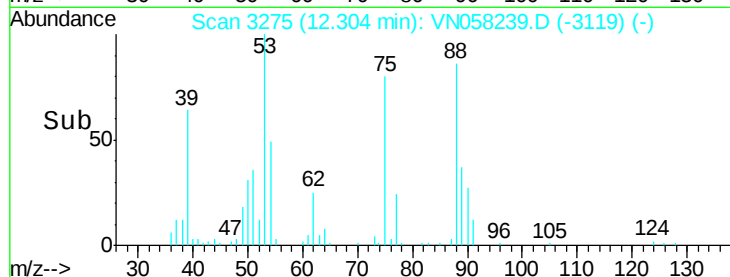
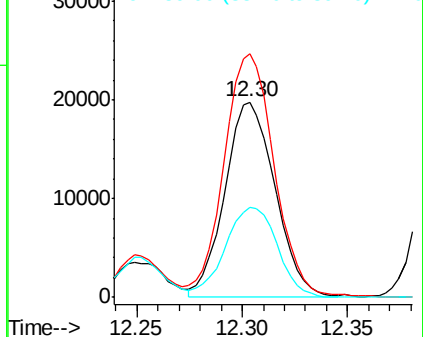
89 46.4 22.8 68.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.827 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058239.D

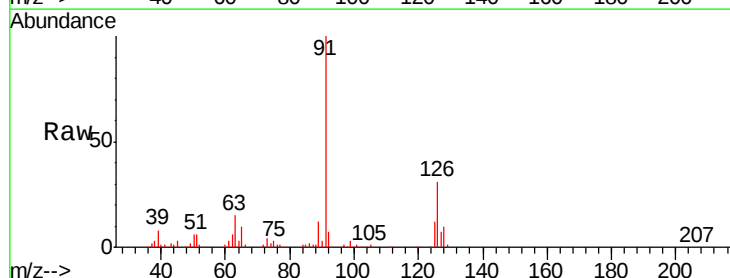
Acq: 20 Sep 2019 10:58

Tgt Ion: 91 Resp: 335812

Ion Ratio Lower Upper

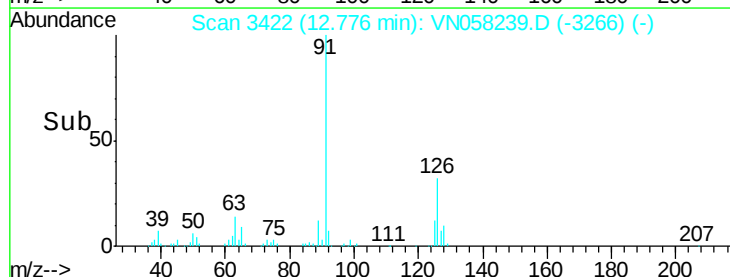
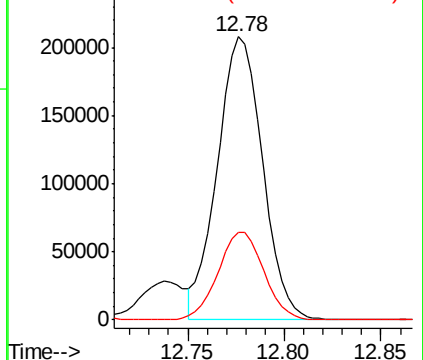
91 100

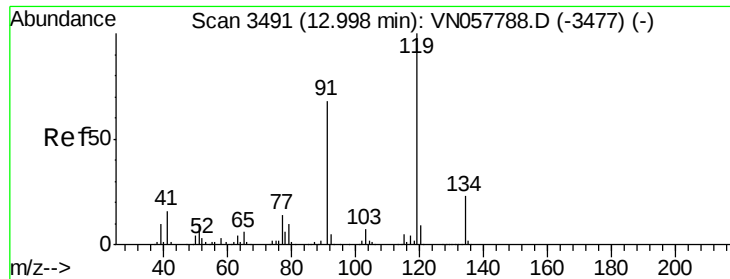
126 31.8 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

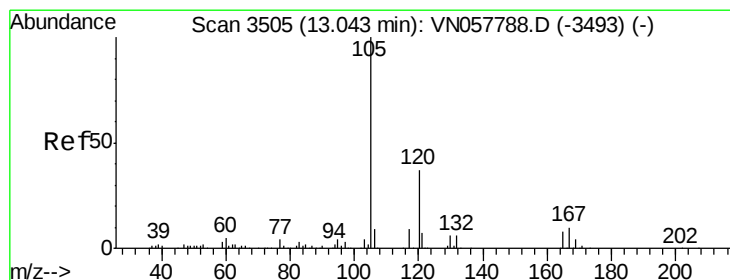
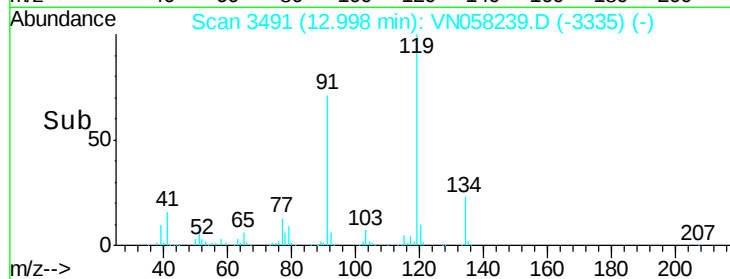
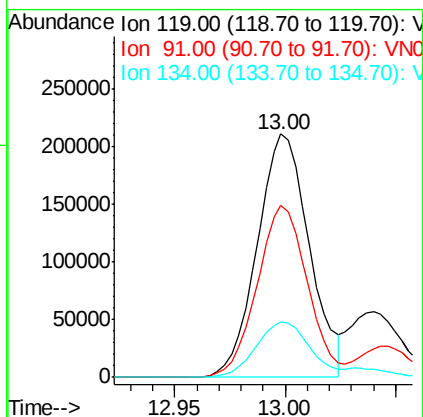
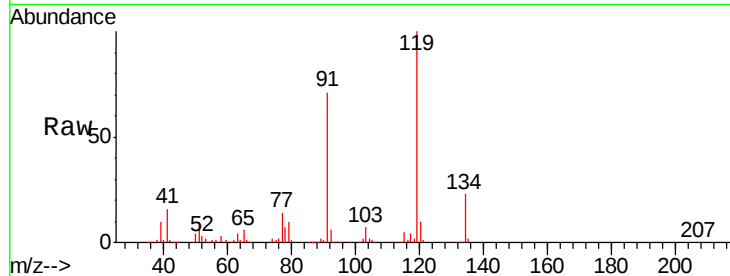




#79
tert-butylbenzene
Concen: 19.853 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

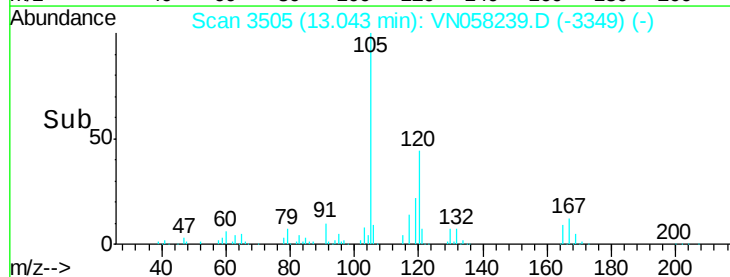
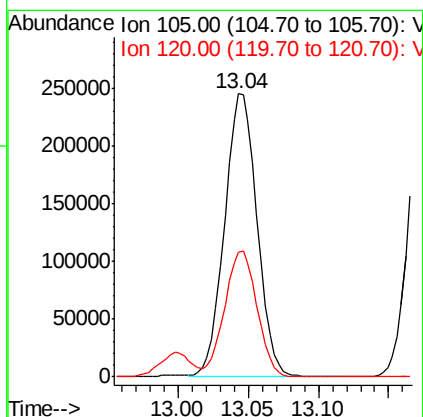
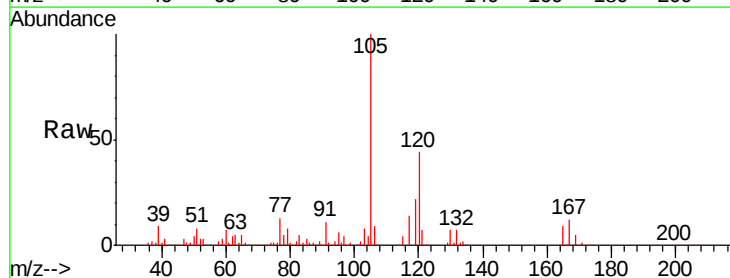
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBSD01

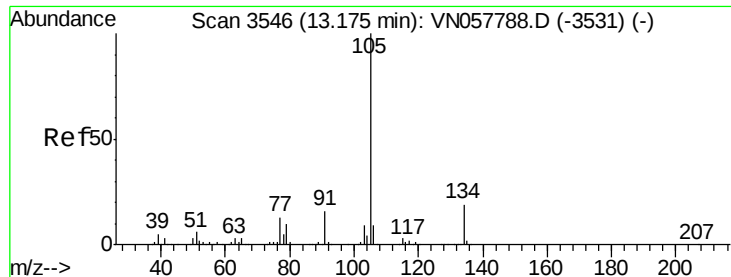
Tgt Ion:119 Resp: 344118
Ion Ratio Lower Upper
119 100
91 68.6 0.0 133.8
134 23.8 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 19.881 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058239.D
Acq: 20 Sep 2019 10:58

Tgt Ion:105 Resp: 393590
Ion Ratio Lower Upper
105 100
120 44.6 0.0 87.8





#81

sec-Butylbenzene

Concen: 20.443 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

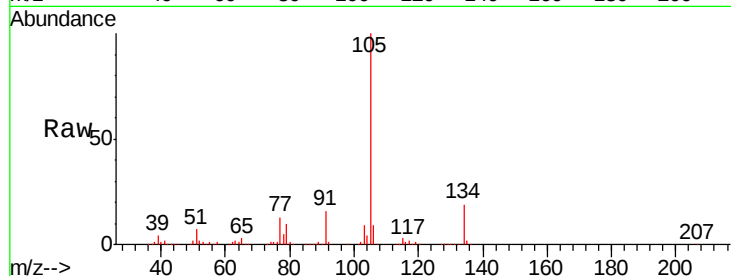
VN0920WBSD01

Tgt Ion:105 Resp: 470162

Ion Ratio Lower Upper

105 100

134 18.5 0.0 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

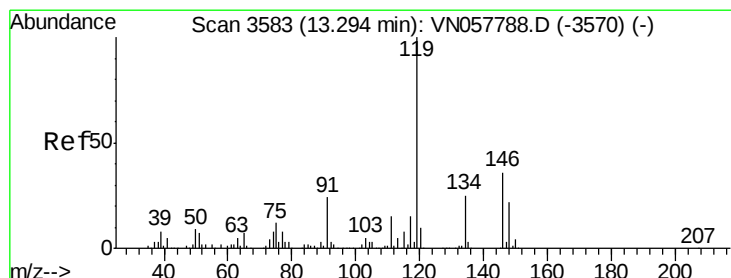
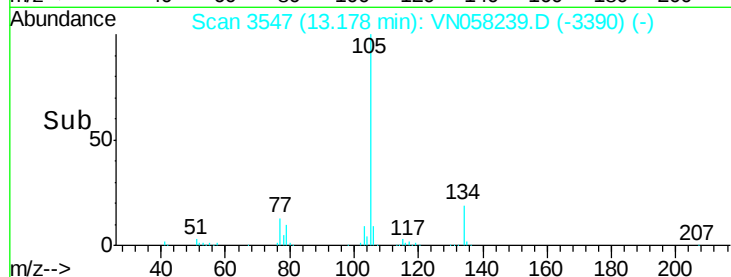
300000

200000

100000

0

Time--> 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 19.832 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

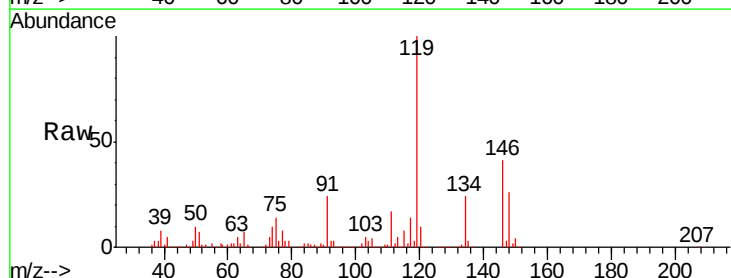
Tgt Ion:119 Resp: 408462

Ion Ratio Lower Upper

119 100

134 25.5 0.0 50.4

91 24.8 0.0 48.8



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

13.29

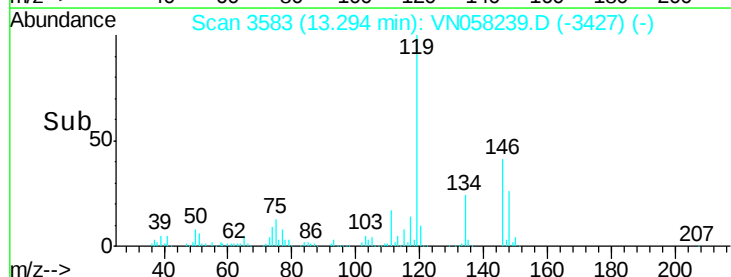
300000

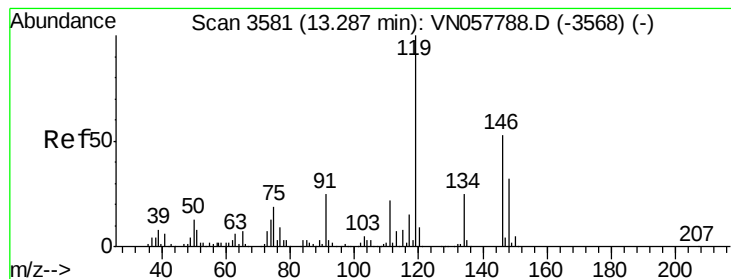
200000

100000

0

Time--> 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 19.301 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

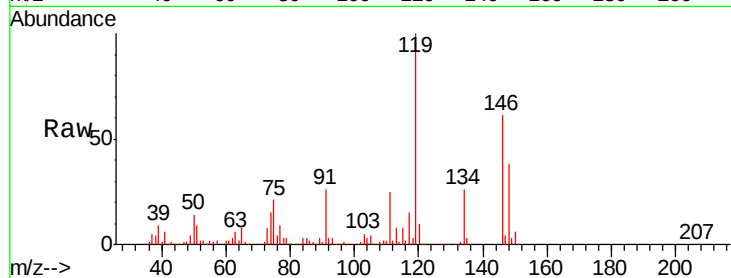
Tgt Ion:146 Resp: 200408

Ion Ratio Lower Upper

146 100

111 41.7 20.7 62.1

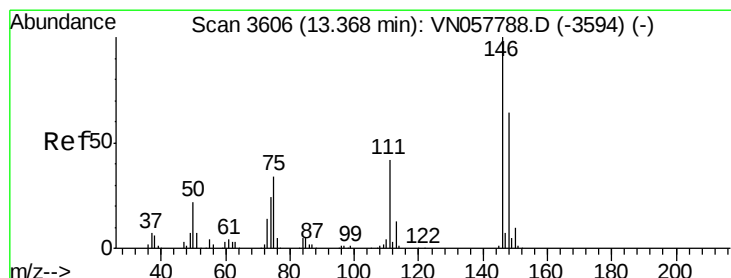
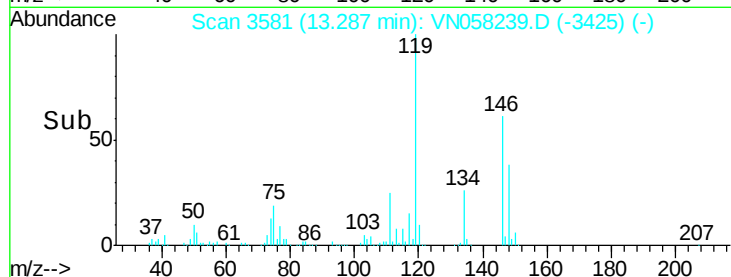
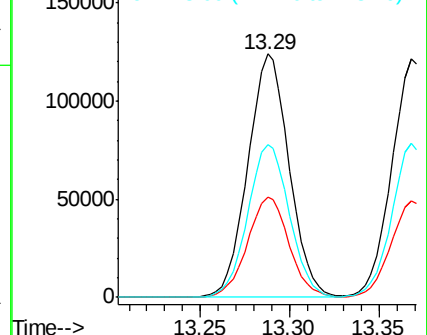
148 63.5 30.9 92.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.226 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

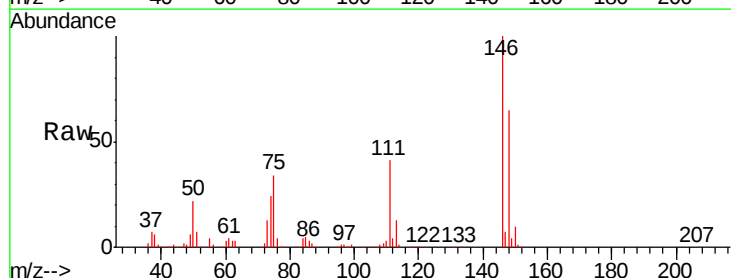
Tgt Ion:146 Resp: 196539

Ion Ratio Lower Upper

146 100

111 40.9 21.1 63.4

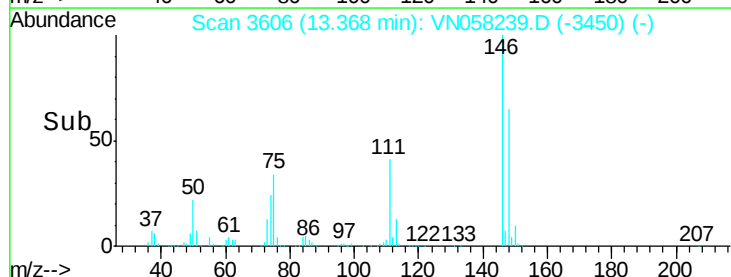
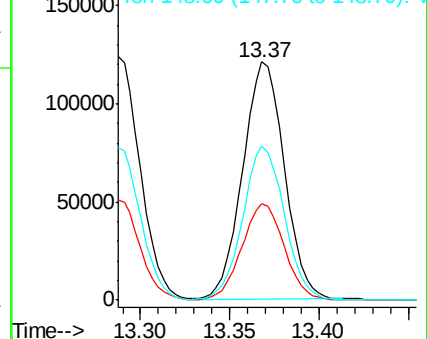
148 64.9 31.7 95.1

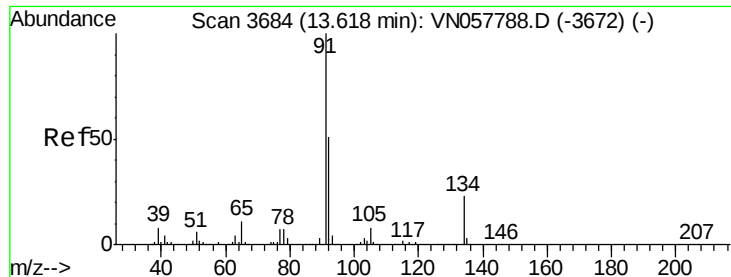


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 19.423 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

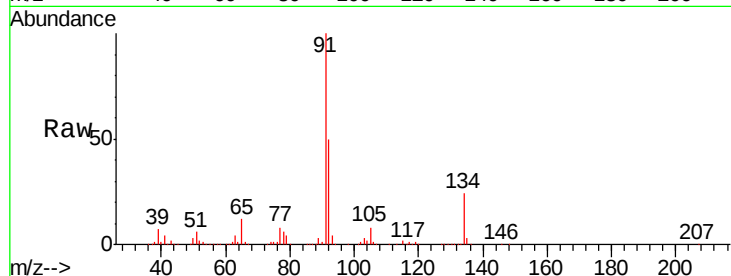
Tgt Ion: 91 Resp: 372833

Ion Ratio Lower Upper

91 100

92 51.1 0.0 100.0

134 23.6 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN057788.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN057788.D (-3672) (-)

13.62

250000

200000

150000

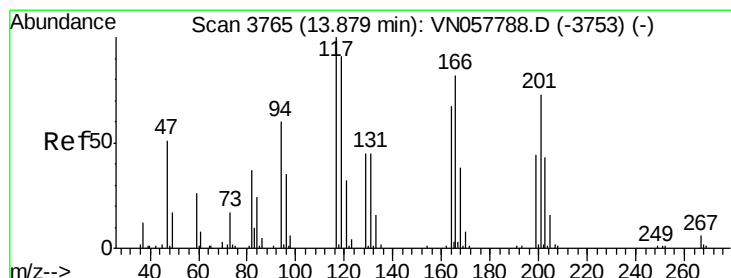
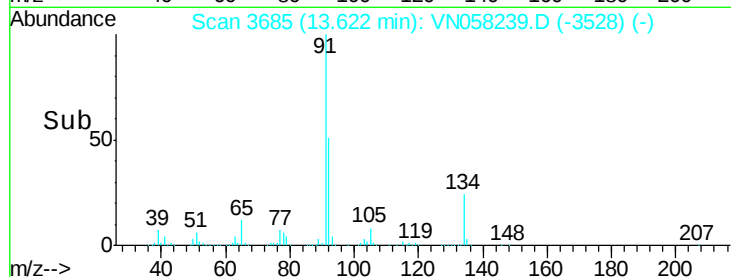
100000

50000

0

13.60 13.70

Time-->



#86

Hexachloroethane

Concen: 18.407 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058239.D

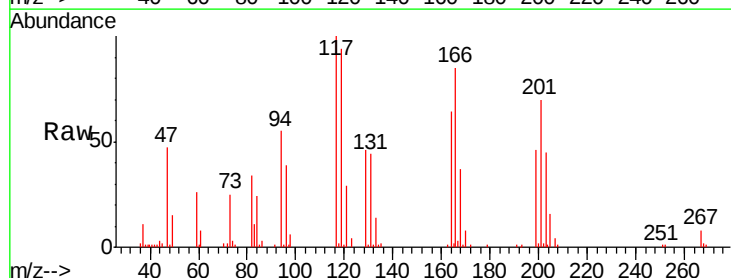
Acq: 20 Sep 2019 10:58

Tgt Ion: 117 Resp: 60386

Ion Ratio Lower Upper

117 100

201 71.7 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): VN057788.D (-3753) (-)

Ion 201.00 (200.70 to 201.70): VN057788.D (-3753) (-)

13.88

40000

30000

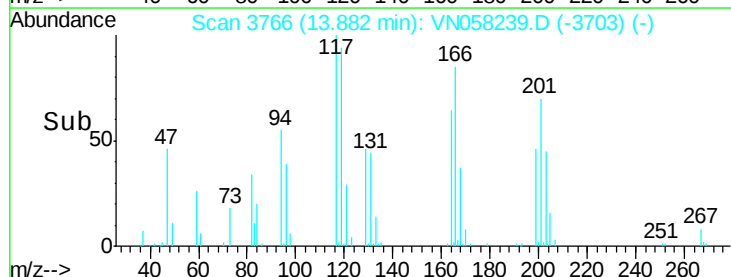
20000

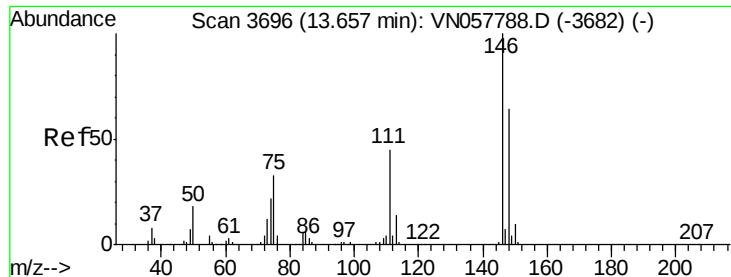
10000

0

13.85 13.90

Time-->

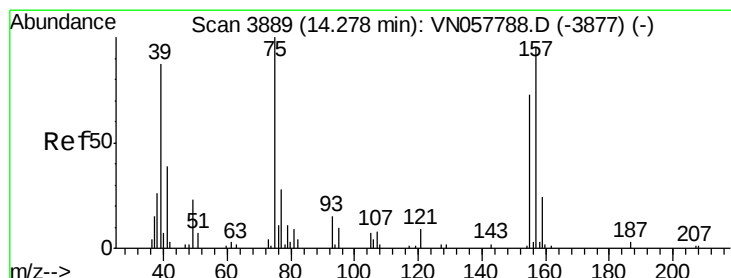
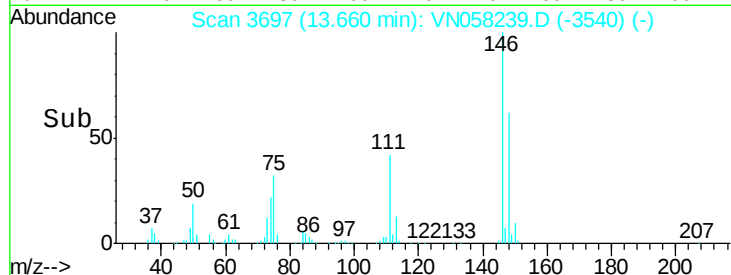
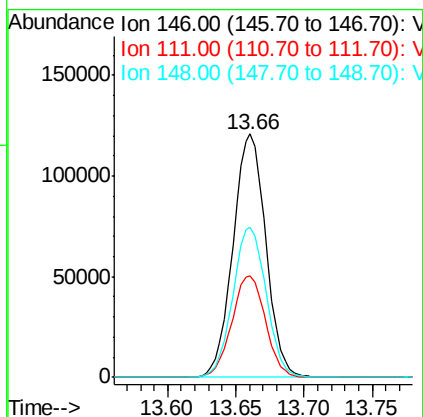
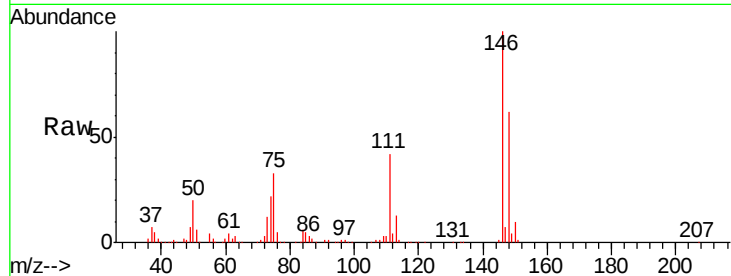




#87
 1,2-Dichlorobenzene
 Concen: 20.032 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

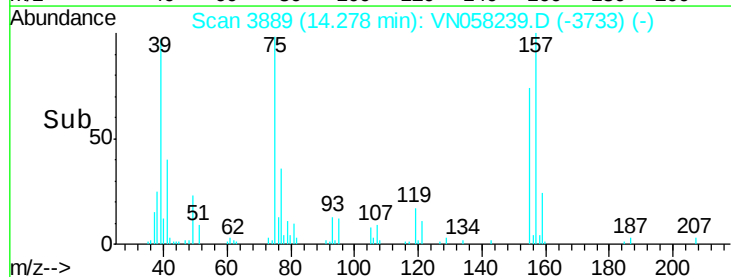
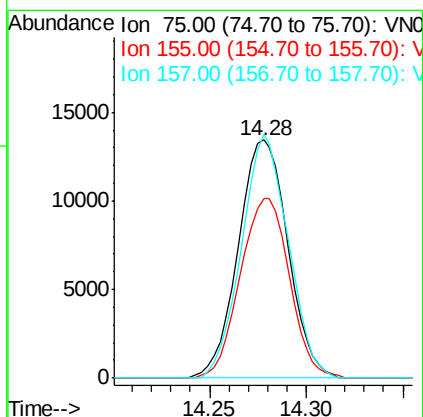
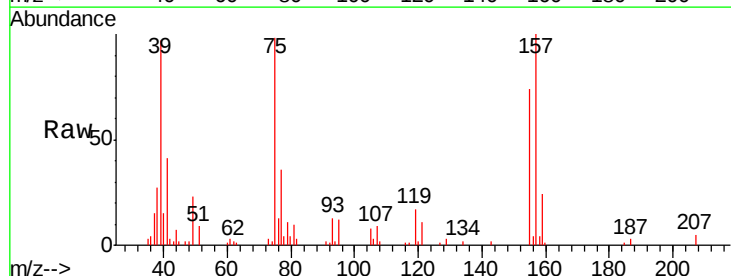
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

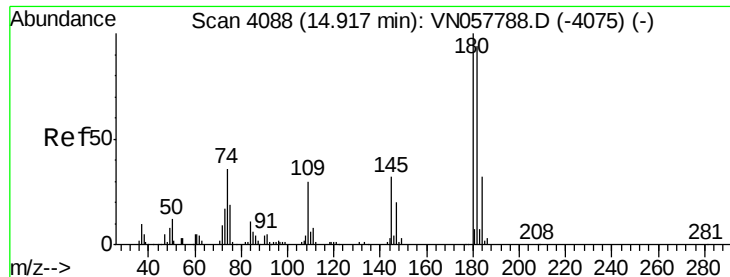
Tgt Ion: 146 Resp: 201902
 Ion Ratio Lower Upper
 146 100
 111 42.7 22.2 66.6
 148 62.9 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.666 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion: 75 Resp: 23966
 Ion Ratio Lower Upper
 75 100
 155 74.7 59.4 89.2
 157 96.0 74.6 112.0

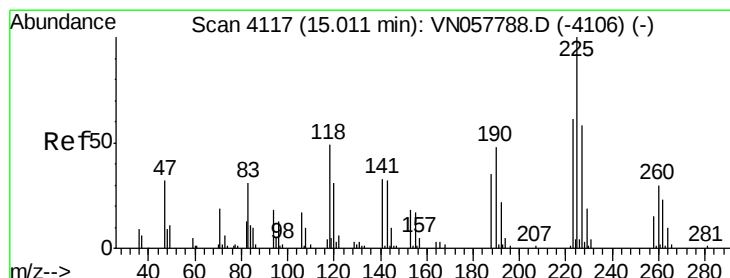
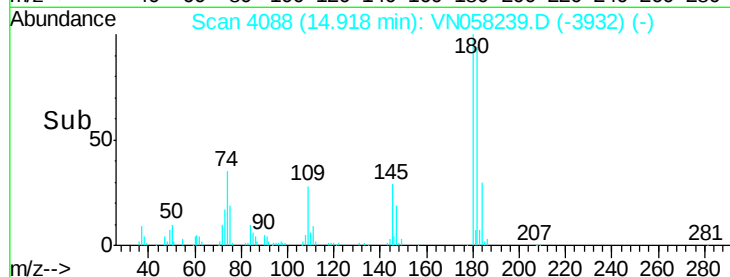
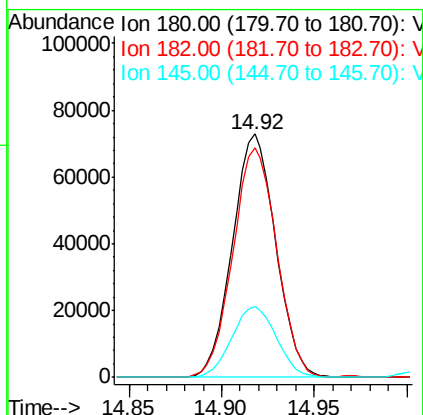
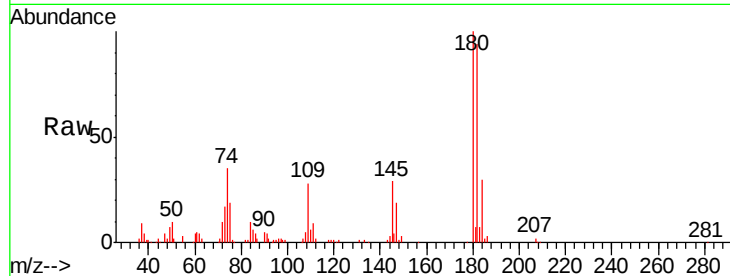




#89
 1,2,4-Trichlorobenzene
 Concen: 19.197 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

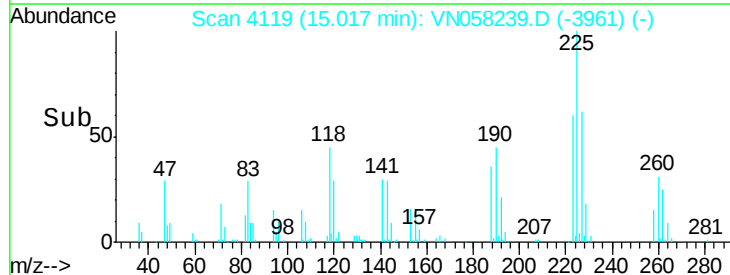
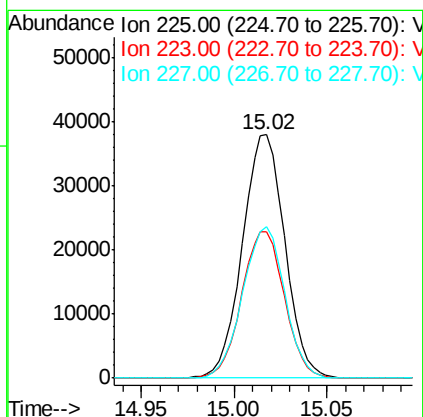
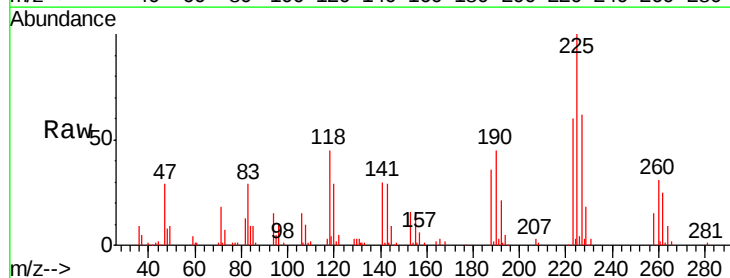
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBSD01

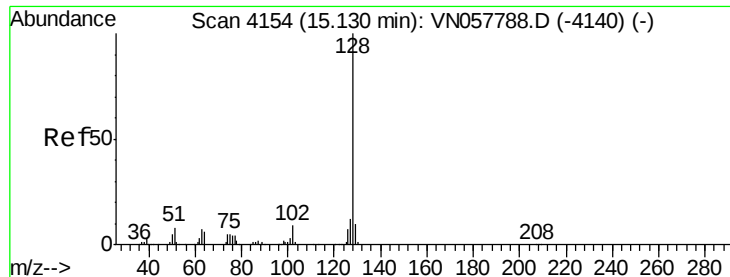
Tgt Ion:180 Resp: 118192
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 145 30.0 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 21.416 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN058239.D
 Acq: 20 Sep 2019 10:58

Tgt Ion:225 Resp: 60555
 Ion Ratio Lower Upper
 225 100
 223 60.6 0.0 125.0
 227 61.6 0.0 123.8





#91

Naphthalene

Concen: 18.442 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBSD01

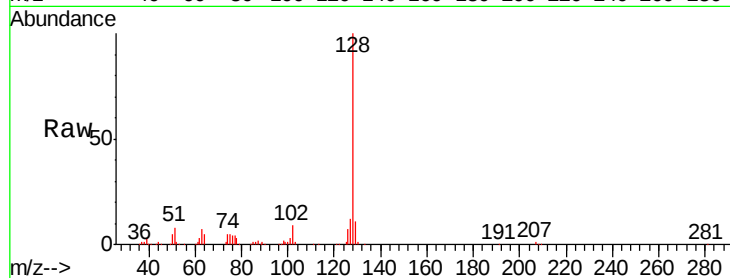
Tgt Ion:128 Resp: 312423

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

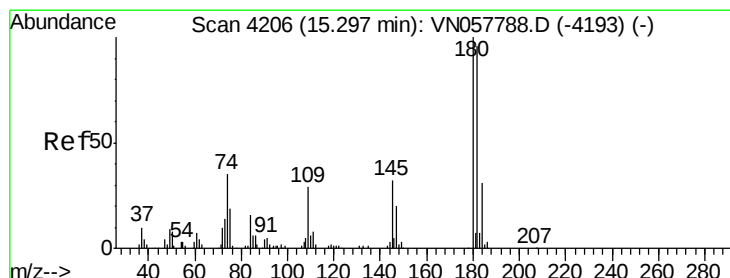
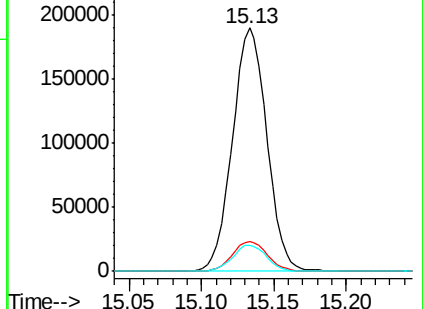
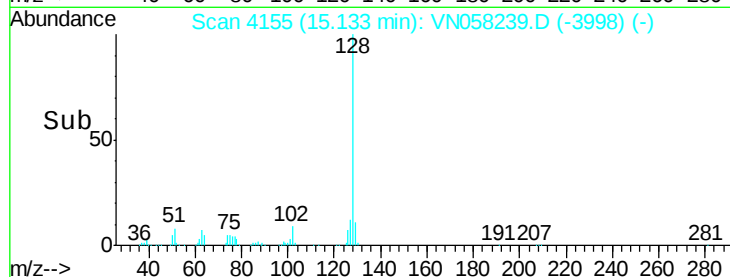
129 10.8 8.1 12.1



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: 19.181 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.01 min

Lab File: VN058239.D

Acq: 20 Sep 2019 10:58

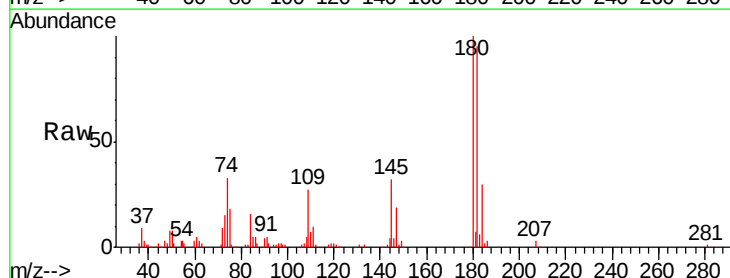
Tgt Ion:180 Resp: 112628

Ion Ratio Lower Upper

180 100

182 94.5 0.0 189.8

145 31.7 0.0 65.0



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

