

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058340.D
 Acq On : 24 Sep 2019 11:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 25 01:20:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	95530	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	551870	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	500577	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	246962	29.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.10%
60) 4-Bromofluorobenzene	12.41	95	269200	31.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.27%
63) Toluene-d8	10.08	98	717300	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	881864	151.504	ug/l	99
3) Chloromethane	2.03	50	984915	139.095	ug/l	100
4) Vinyl Chloride	2.17	62	996179	138.108	ug/l	97
5) Bromomethane	2.52	94	524757	121.678	ug/l	100
6) Chloroethane	2.67	64	582477	131.093	ug/l	96
7) Trichlorofluoromethane	2.99	101	1155725	140.975	ug/l	99
8) Diethyl Ether	3.39	74	527473	153.537	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	798025	149.934	ug/l	99
10) 1,1-Dichloroethene	3.71	96	789669	154.439	ug/l	98
11) Methyl Iodide	3.93	142	966133	150.920	ug/l	98
12) Methyl Acetate	4.30	43	1073766	156.175	ug/l	99
13) Acrolein	3.58	56	186849	534.892	ug/l	99
14) Acrylonitrile	4.96	53	2226901	786.391	ug/l	99
15) Acetone	3.80	58	571039	714.392	ug/l	95
16) Carbon Disulfide	4.03	76	2324573	189.476	ug/l	98
17) Allyl chloride	4.30	41	1525988	162.095	ug/l	96
18) Methylene Chloride	4.53	84	919931	144.561	ug/l	94
19) trans-1,2-Dichloroethene	5.01	96	883894	155.142	ug/l	95
20) Diisopropyl ether	5.93	45	3262136	151.641	ug/l	94
21) 1,1-Dichloroethane	5.82	63	1793986	151.266	ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	1035158	150.039	ug/l	100
23) tert-Butyl Alcohol	4.76	59	829923	882.697	ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	2891684	150.080	ug/l	100
25) Chloroform	7.36	83	1788471	147.973	ug/l	99
26) Cyclohexane	7.64	56	1661499	162.426	ug/l #	99
29) 1,1-Dichloropropene	7.78	75	1388092	157.642	ug/l	99
30) 2-Butanone	6.81	43	3127382	790.612	ug/l	100
31) 2,2-Dichloropropane	6.81	77	1463078	157.533	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1549904	157.967	ug/l	99
33) Carbon Tetrachloride	7.76	117	1327028	163.498	ug/l	95
34) Benzene	8.03	78	3780209	146.045	ug/l #	91
35) Methacrylonitrile	7.19	41	1923742	515.047	ug/l #	61
36) 1,2-Dichloroethane	8.11	62	1529961	152.447	ug/l	99
37) Trichloroethene	8.82	130	977344	154.548	ug/l	98
38) Methylcyclohexane	9.07	83	1686026	166.580	ug/l	98
39) 1,2-Dichloropropane	9.11	63	1064754	147.535	ug/l	97
40) Dibromomethane	9.20	93	672344	152.278	ug/l	99

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 ClientSampleId :
 VSTDICC150

Quant Time: Sep 25 01:20:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	1406012	157.867	ug/l	98
42) Vinyl Acetate	5.87	43	10035588	632.787	ug/l #	90
43) Ethyl Acetate	6.91	43	1312622	164.027	ug/l	94
44) Isopropyl Acetate	8.15	43	2296625	161.747	ug/l	97
45) 1,4-Dioxane	9.19	88	373102	3285.997	ug/l	97
46) Methyl methacrylate	9.19	41	1111336	161.888	ug/l	97
47) n-amyl Acetate	12.07	43	2101269	163.332	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1613638	169.239	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1730846	161.502	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	943655	148.211	ug/l	98
51) Ethyl methacrylate	10.43	69	1595566	160.724	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1682386	150.322	ug/l	99
53) Dibromochloromethane	10.90	129	1042980	164.039	ug/l	99
54) 1,2-Dibromoethane	11.00	107	996996	156.332	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	3195570	700.515	ug/l	96
56) Bromoform	12.13	173	706090	179.357	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	4814817	615.044	ug/l #	79
59) 2-Hexanone	10.75	43	3927723	668.000	ug/l #	85
61) Tetrachloroethene	10.63	164	813432	158.156	ug/l	99
62) Toluene	10.15	91	3772693	135.634	ug/l	90
64) Chlorobenzene	11.43	112	2520674	146.179	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	956033	159.222	ug/l	98
66) Ethyl Benzene	11.51	91	3912855	128.529	ug/l #	73
68) o-Xylene	11.95	106	1732908	151.848	ug/l	86
69) Styrene	11.97	104	2861183	147.936	ug/l	96
70) Isopropylbenzene	12.25	105	3838043	128.101	ug/l	87
71) 1,1,2,2-Tetrachloroethane	12.51	83	1426491	152.379	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1864640	224.431	ug/l	59
73) Bromobenzene	12.53	156	1087209	150.397	ug/l	98
74) n-propylbenzene	12.60	91	4185485	121.994	ug/l	83
75) 2-Chlorotoluene	12.68	91	3057156	142.765	ug/l	96
76) 1,3,5-Trimethylbenzene	12.74	105	3464035	135.274	ug/l	88
77) t-1,4-Dichloro-2-butene	12.30	75	479800	190.505	ug/l	90
78) 4-Chlorotoluene	12.78	91	3141949	143.202	ug/l	94
79) tert-butylbenzene	13.00	119	3176811	143.167	ug/l	97
80) 1,2,4-Trimethylbenzene	13.18	105	3786169	148.063	ug/l	33
81) sec-Butylbenzene	13.18	105	3786169	127.627	ug/l	89
82) p-Isopropyltoluene	13.30	119	3479986	131.542	ug/l	88
83) 1,3-Dichlorobenzene	13.29	146	2029429	151.857	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	2025976	153.554	ug/l	99
85) n-Butylbenzene	13.62	91	3422661	139.190	ug/l	87
86) Hexachloroethane	13.88	117	727419	170.882	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	1969084	151.192	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	309425	184.044	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	1364065	170.849	ug/l	98
90) Hexachlorobutadiene	15.02	225	634977	172.070	ug/l	97
91) Naphthalene	15.14	128	3410047	156.150	ug/l	96
92) 1,2,3-Trichlorobenzene	15.30	180	1288184	169.717	ug/l	99

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Sep 25 01:20:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:14:34 2019
Response via : Initial Calibration

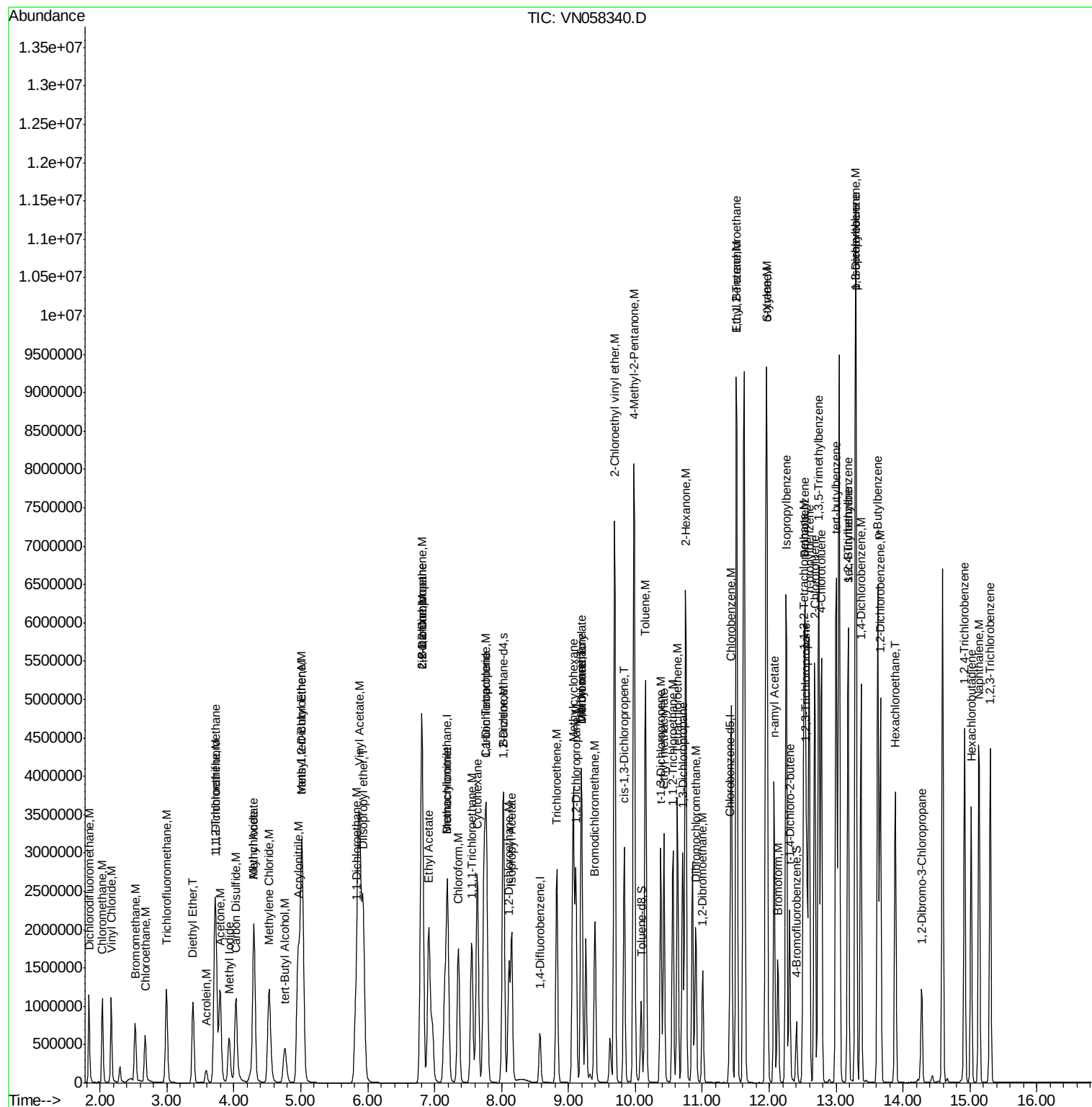
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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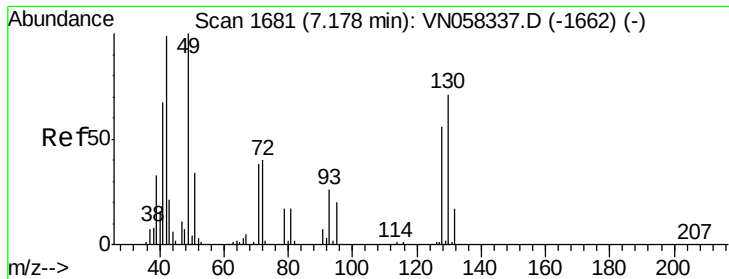
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
Data File : VN058340.D
Acq On : 24 Sep 2019 11:37
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Sep 25 01:20:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:14:34 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

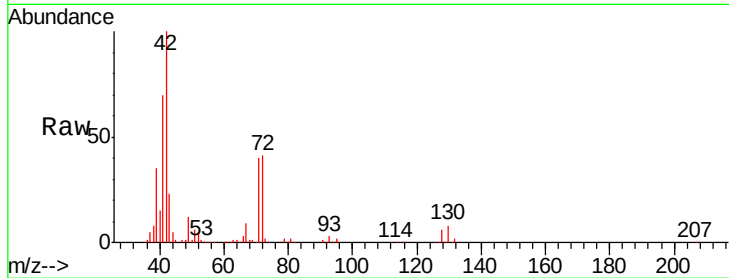
Tgt Ion:128 Resp: 95530

Ion Ratio Lower Upper

128 100

49 199.1 0.0 458.5

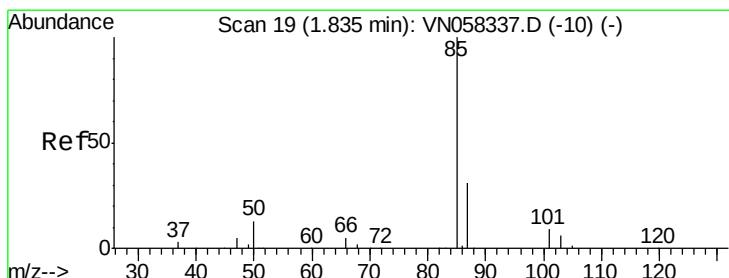
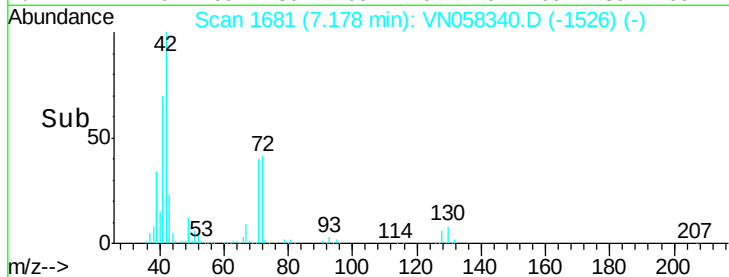
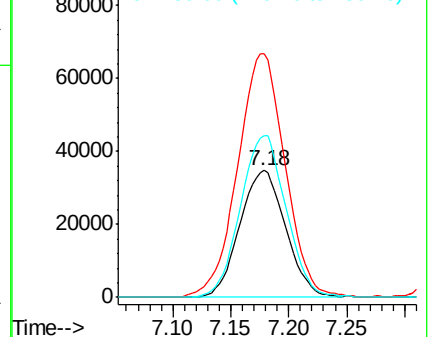
130 127.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 151.504 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058340.D

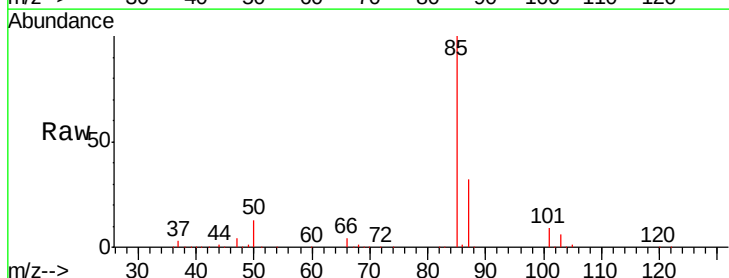
Acq: 24 Sep 2019 11:37

Tgt Ion: 85 Resp: 881864

Ion Ratio Lower Upper

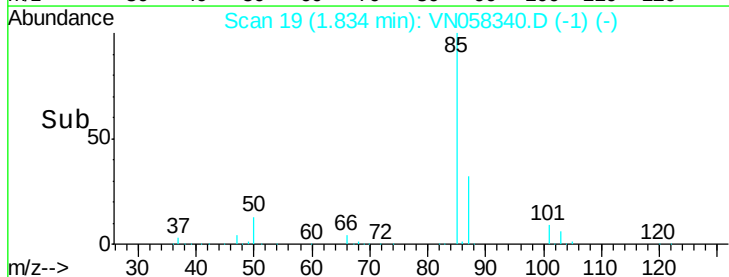
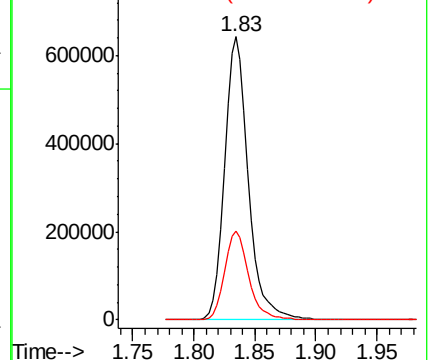
85 100

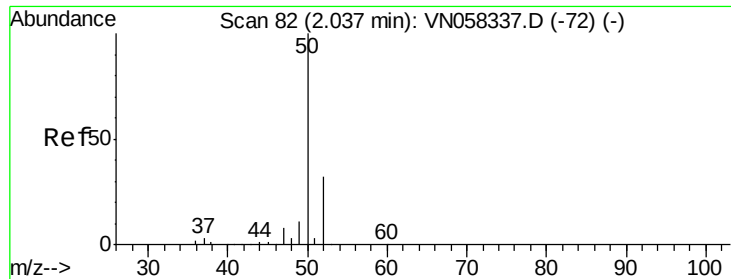
87 31.5 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 139.095 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

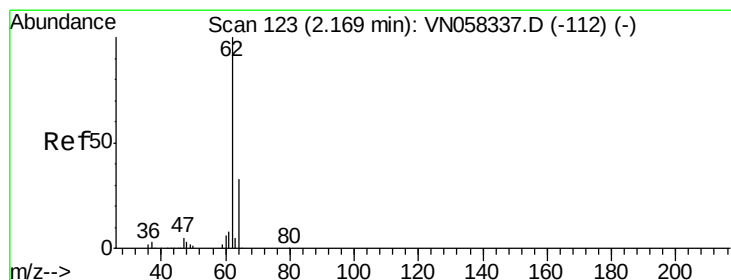
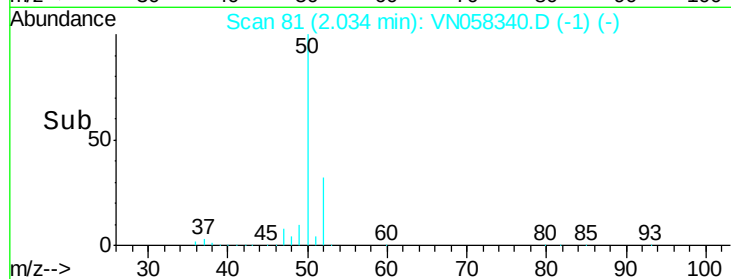
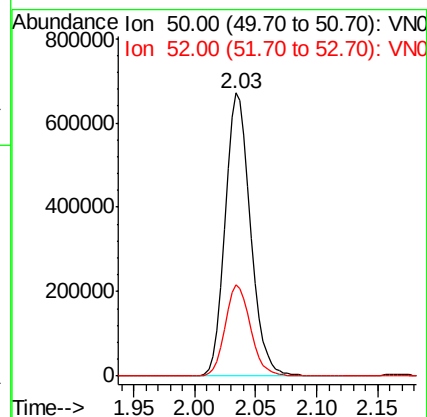
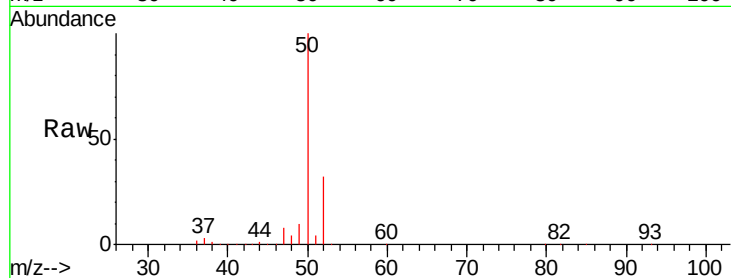
VSTDIC150

Tgt Ion: 50 Resp: 984915

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9



#4

Vinyl Chloride

Concen: 138.108 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058340.D

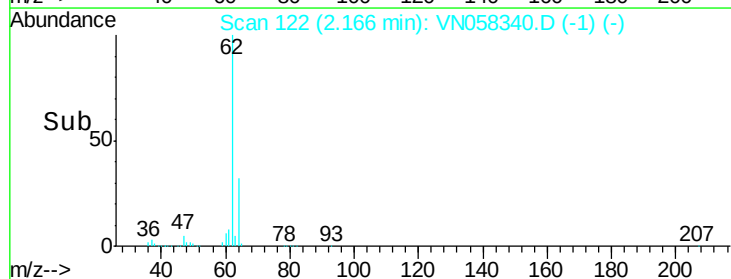
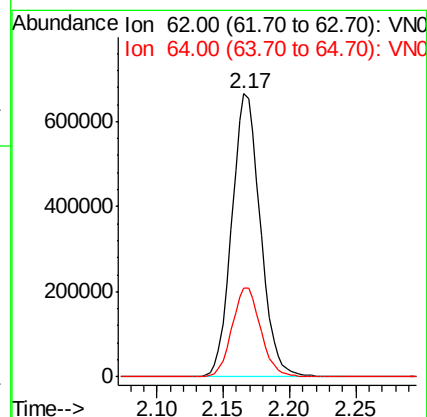
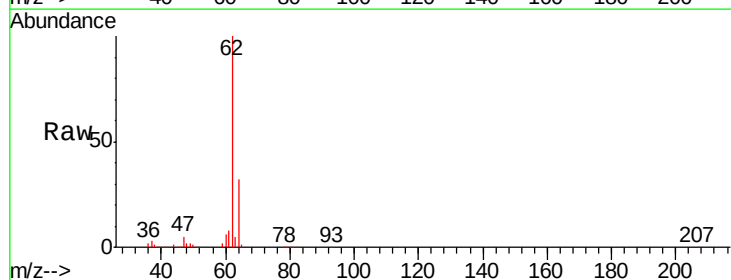
Acq: 24 Sep 2019 11:37

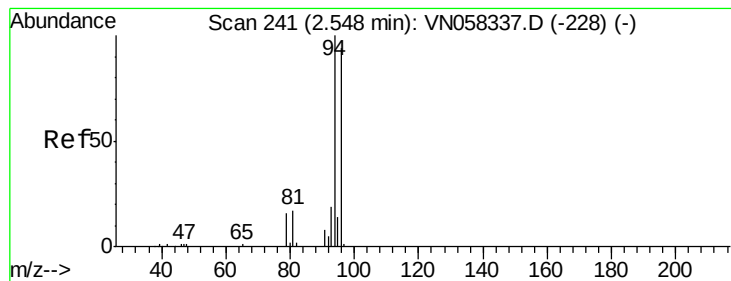
Tgt Ion: 62 Resp: 996179

Ion Ratio Lower Upper

62 100

64 31.5 26.6 40.0





#5

Bromomethane

Concen: 121.678 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.03 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

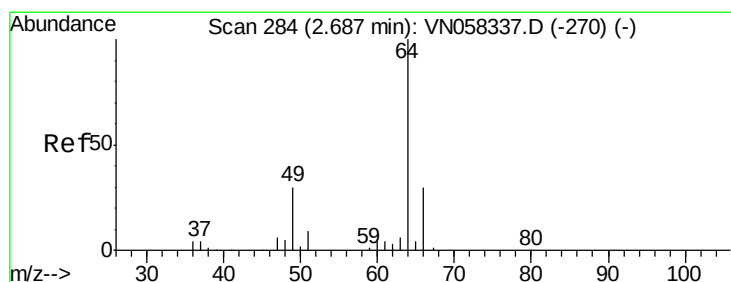
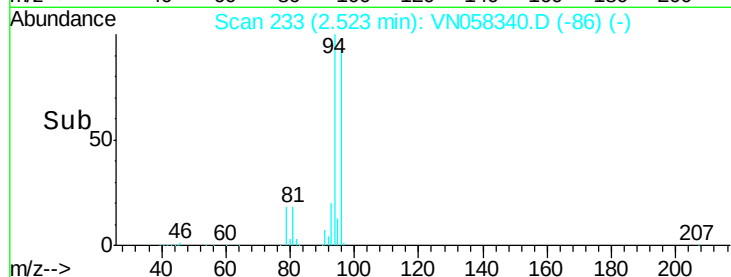
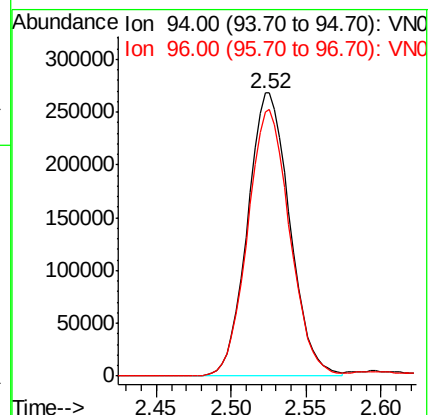
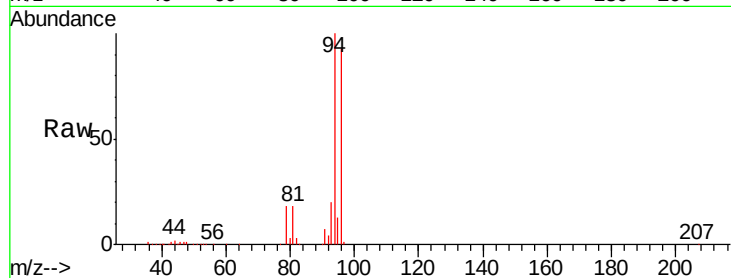
VSTDIC150

Tgt Ion: 94 Resp: 524757

Ion Ratio Lower Upper

94 100

96 93.3 74.8 112.2



#6

Chloroethane

Concen: 131.093 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058340.D

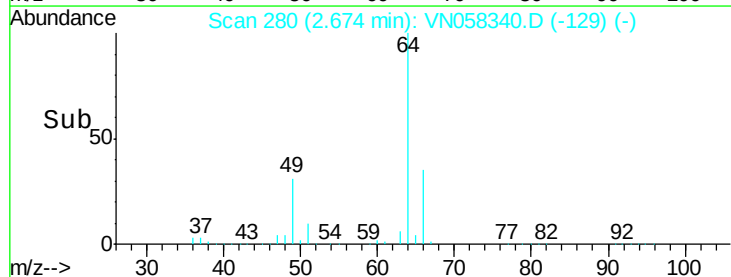
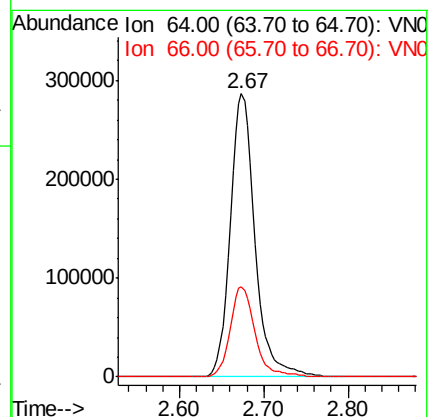
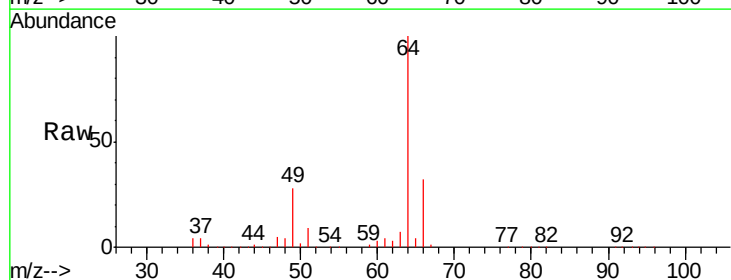
Acq: 24 Sep 2019 11:37

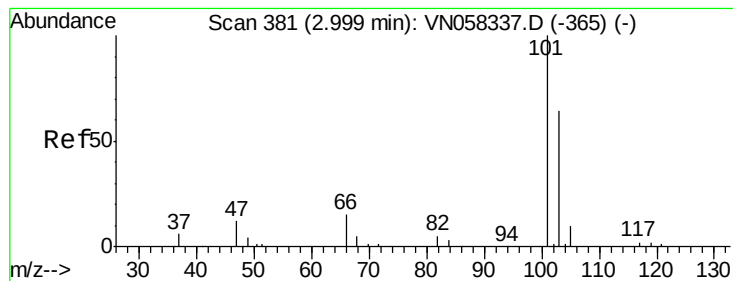
Tgt Ion: 64 Resp: 582477

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.6



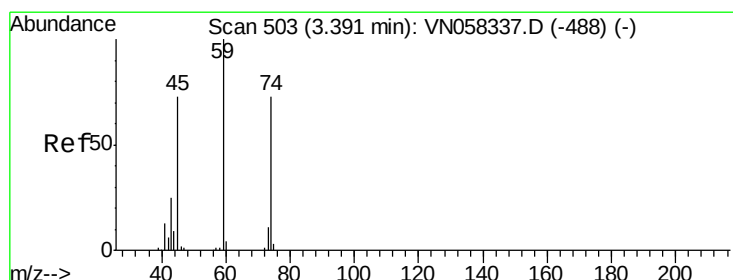
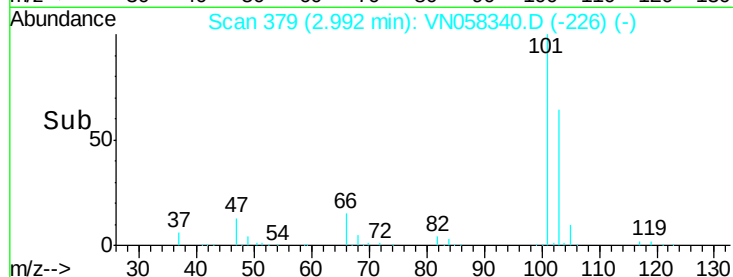
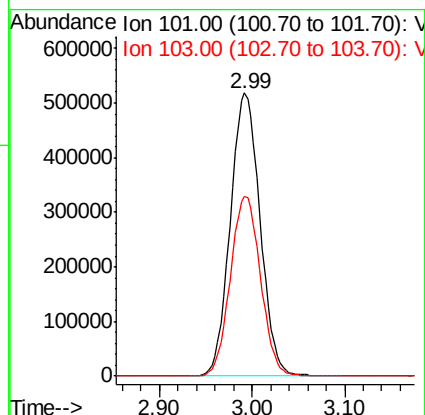
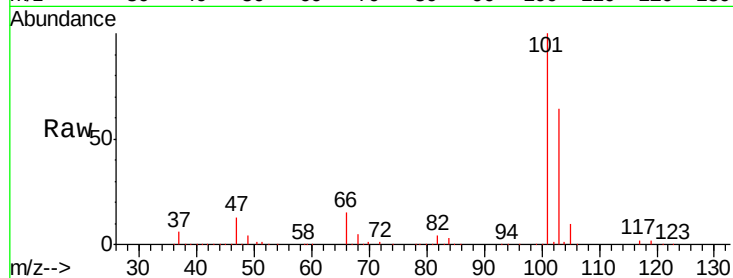


#7

Trichlorofluoromethane
Concen: 140.975 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

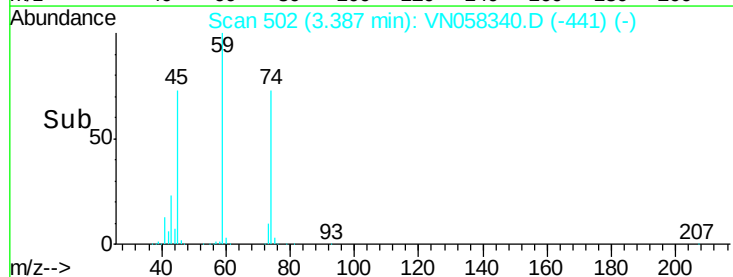
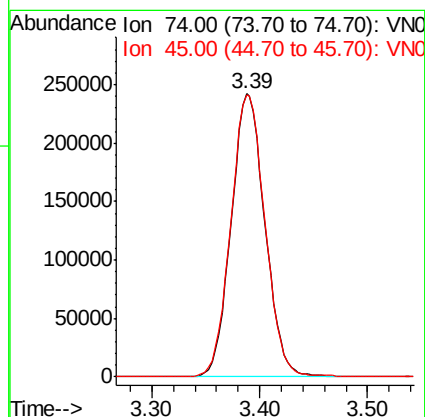
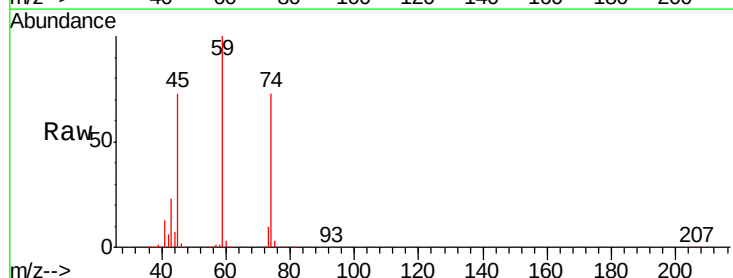
Tgt Ion:101 Resp: 1155725
Ion Ratio Lower Upper
101 100
103 63.7 51.5 77.3

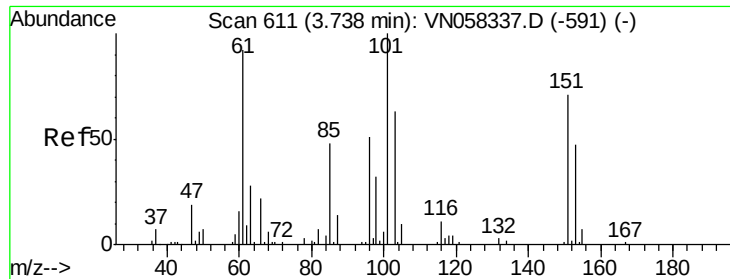


#8

Diethyl Ether
Concen: 153.537 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 74 Resp: 527473
Ion Ratio Lower Upper
74 100
45 100.8 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.934 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

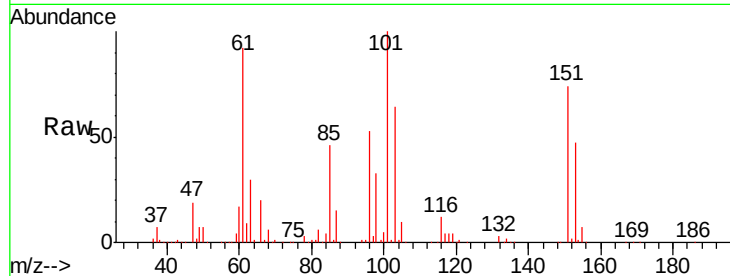
Tgt Ion: 101 Resp: 798025

Ion Ratio Lower Upper

101 100

85 45.8 0.0 93.0

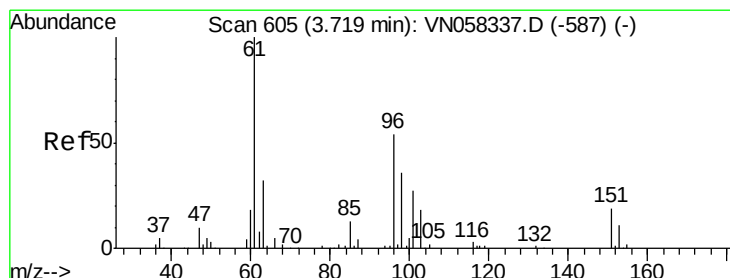
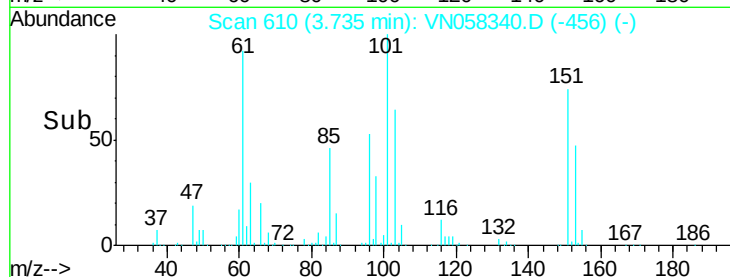
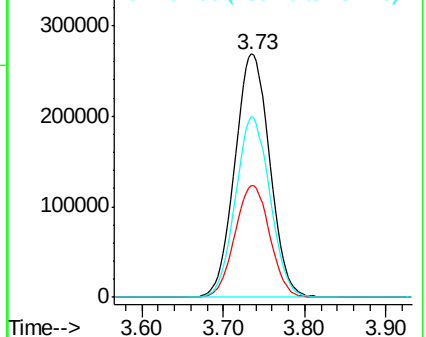
151 73.4 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 154.439 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

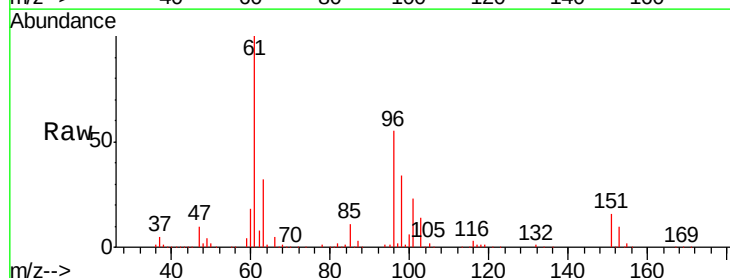
Tgt Ion: 96 Resp: 789669

Ion Ratio Lower Upper

96 100

61 182.1 146.9 220.3

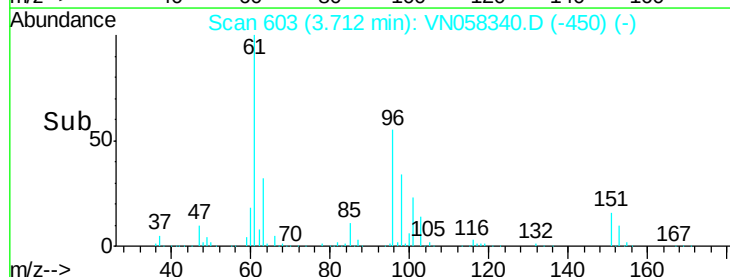
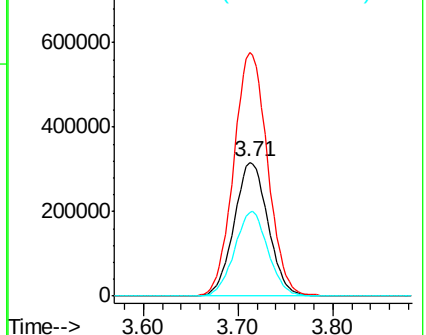
98 62.8 52.3 78.5

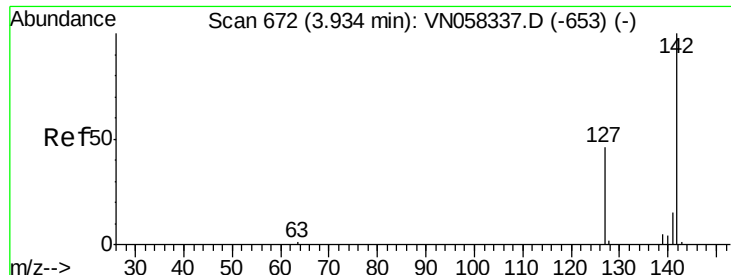


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

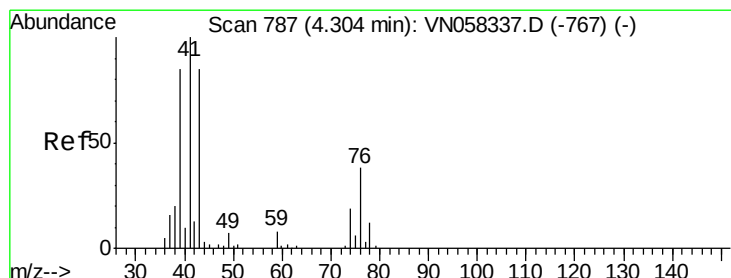
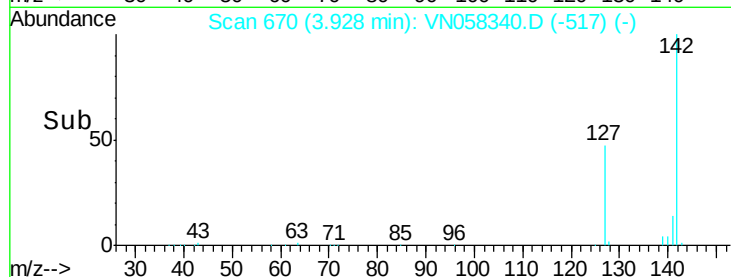
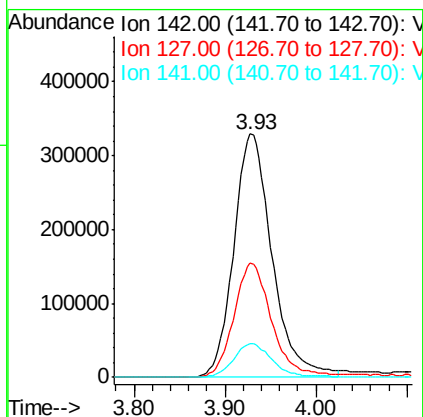
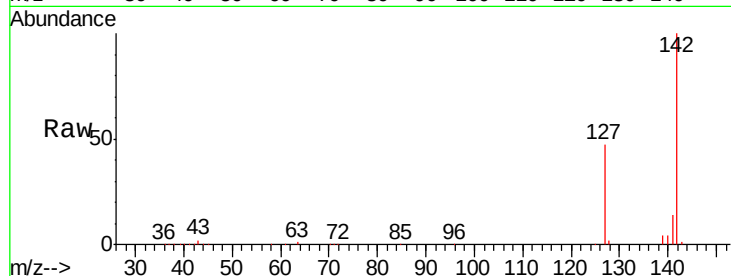




#11
Methyl Iodide
Concen: 150.920 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

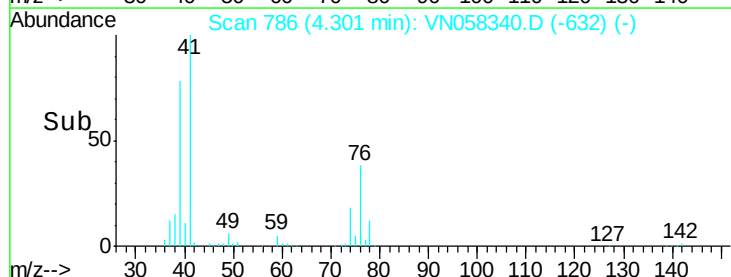
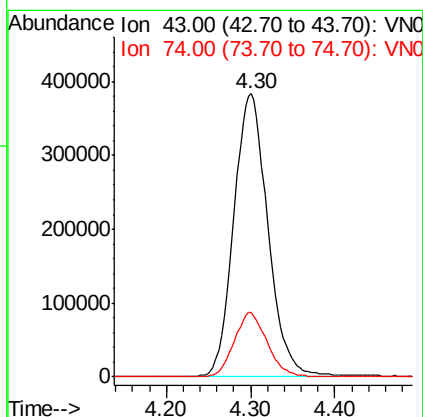
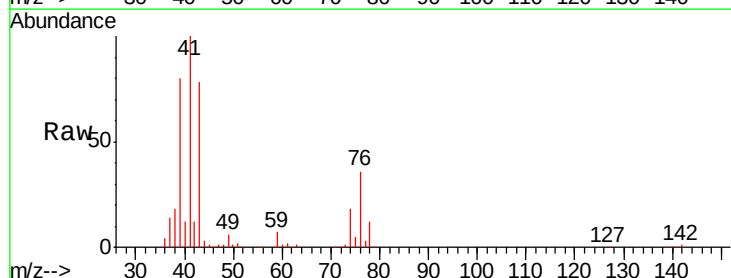
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

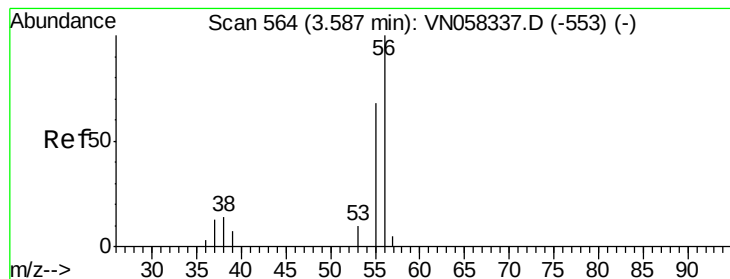
Tgt Ion:142 Resp: 966133
Ion Ratio Lower Upper
142 100
127 46.9 22.9 68.7
141 13.8 7.4 22.3



#12
Methyl Acetate
Concen: 156.175 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 43 Resp: 1073766
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.6





#13

Acrolein

Concen: 534.892 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

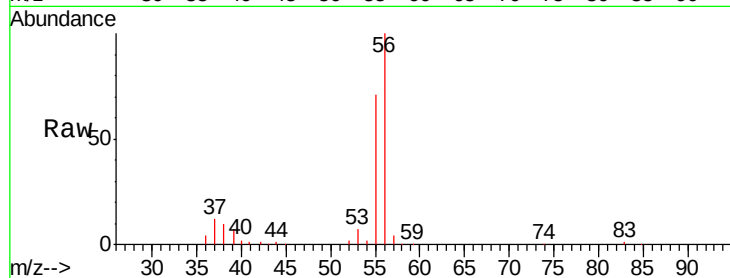
VSTDIC150

Tgt Ion: 56 Resp: 186849

Ion Ratio Lower Upper

56 100

55 72.3 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

80000

60000

40000

20000

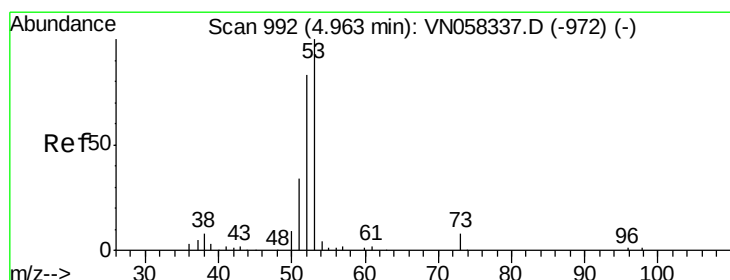
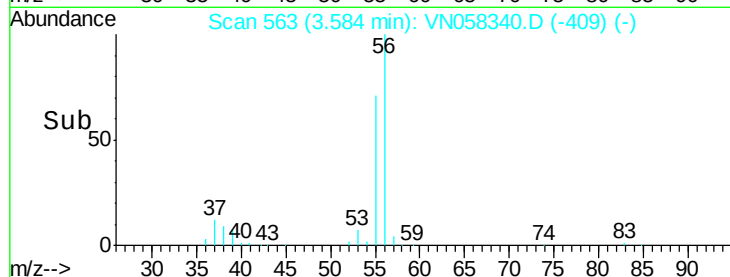
0

Time-->

3.50

3.60

3.70



#14

Acrylonitrile

Concen: 786.391 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

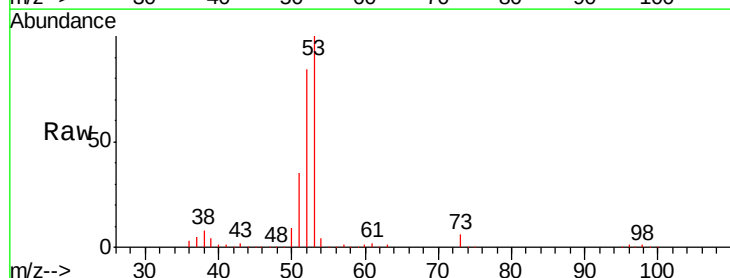
Tgt Ion: 53 Resp: 2226901

Ion Ratio Lower Upper

53 100

52 83.5 41.3 123.7

51 36.7 18.3 54.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.96

800000

600000

400000

200000

0

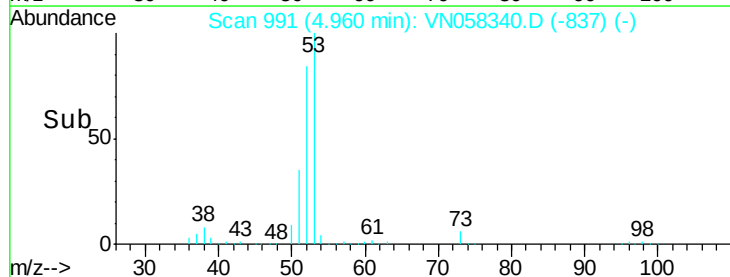
Time-->

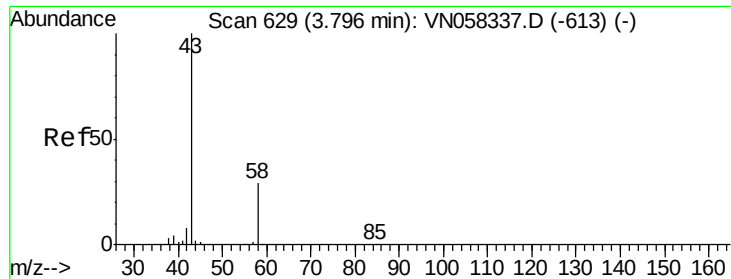
4.80

4.90

5.00

5.10





#15

Acetone

Concen: 714.392 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

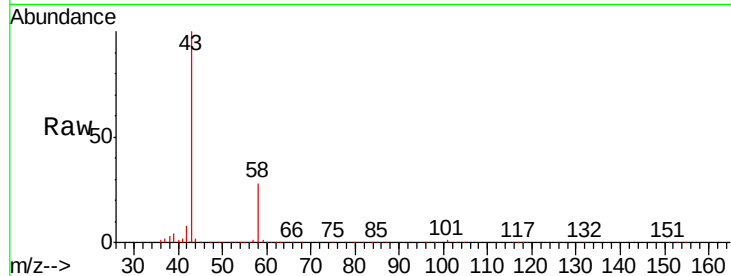
VSTDIC150

Tgt Ion: 58 Resp: 571039

Ion Ratio Lower Upper

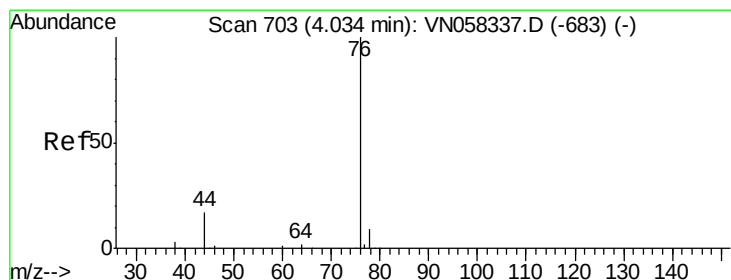
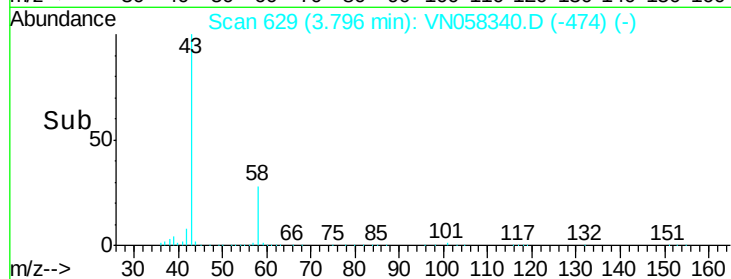
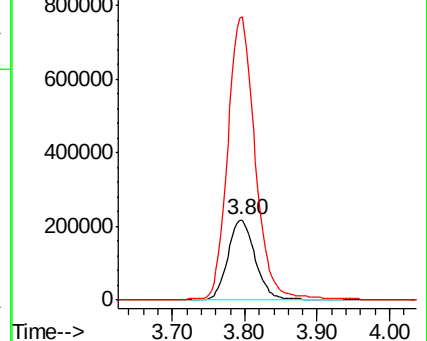
58 100

43 352.5 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 189.476 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058340.D

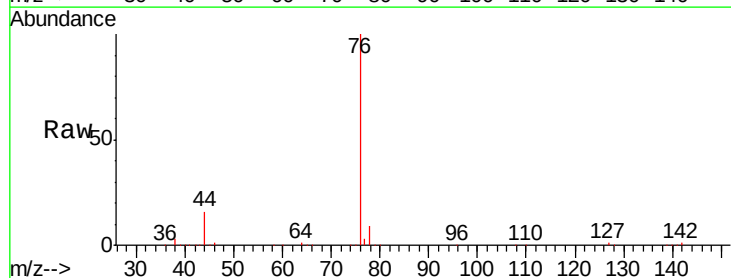
Acq: 24 Sep 2019 11:37

Tgt Ion: 76 Resp: 2324573

Ion Ratio Lower Upper

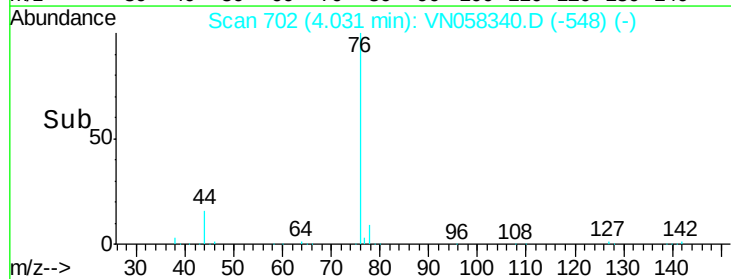
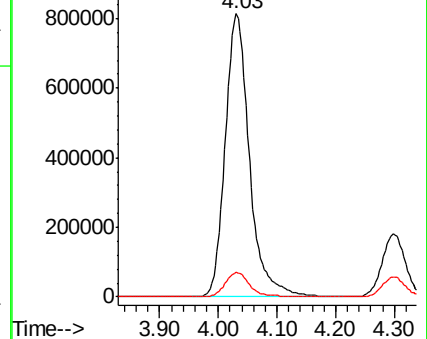
76 100

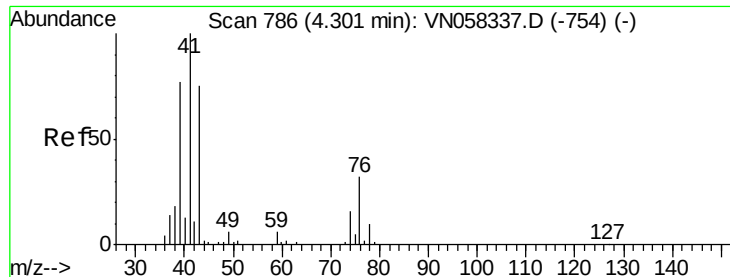
78 8.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 162.095 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

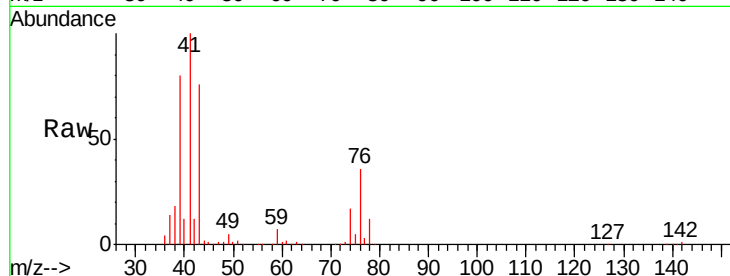
Tgt Ion: 41 Resp: 1525988

Ion Ratio Lower Upper

41 100

39 80.0 38.7 116.1

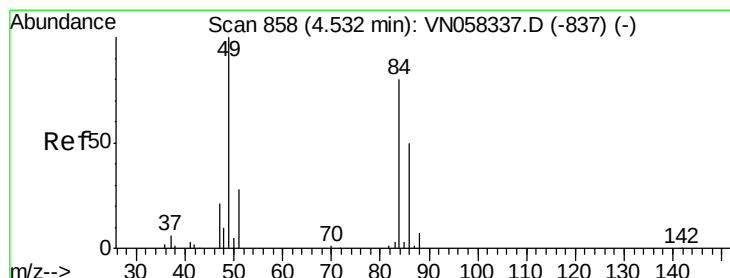
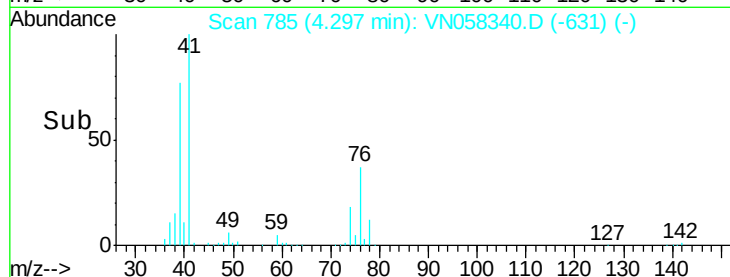
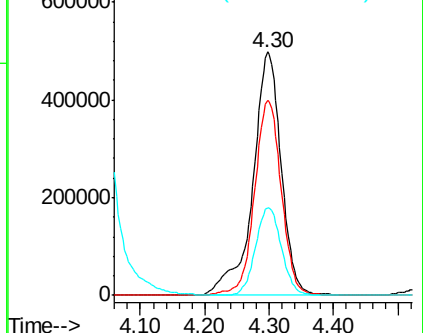
76 36.0 16.4 49.1



Abundance Ion 41.00 (40.70 to 41.70): VN058337.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN058337.D (-754) (-)

Ion 76.00 (75.70 to 76.70): VN058337.D (-754) (-)



#18

Methylene Chloride

Concen: 144.561 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.01 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Tgt Ion: 84 Resp: 919931

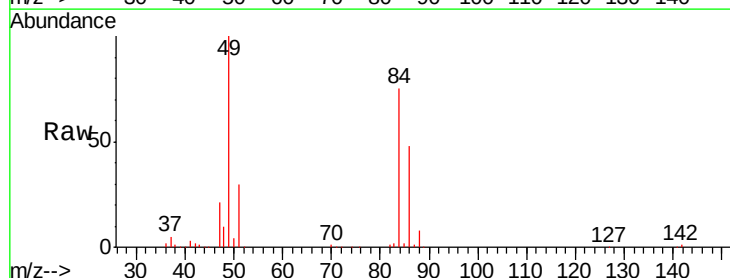
Ion Ratio Lower Upper

84 100

49 133.1 99.8 149.6

51 40.2 28.3 42.5

86 63.5 49.8 74.6

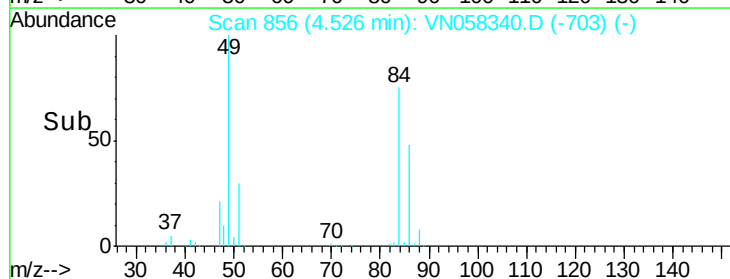
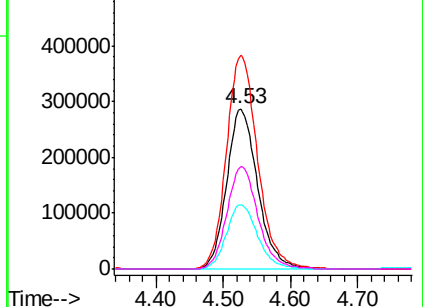


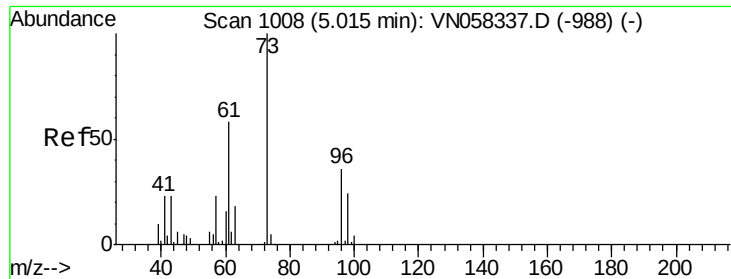
Abundance Ion 84.00 (83.70 to 84.70): VN058337.D (-837) (-)

Ion 49.00 (48.70 to 49.70): VN058337.D (-837) (-)

Ion 51.00 (50.70 to 51.70): VN058337.D (-837) (-)

Ion 86.00 (85.70 to 86.70): VN058337.D (-837) (-)

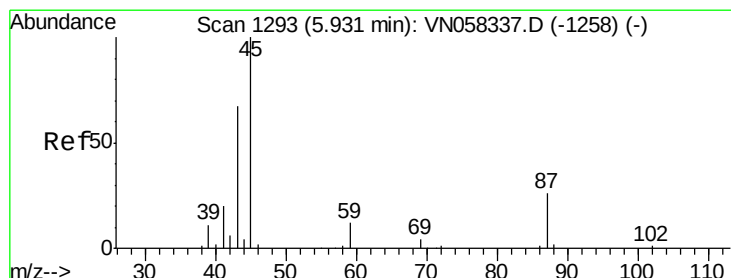
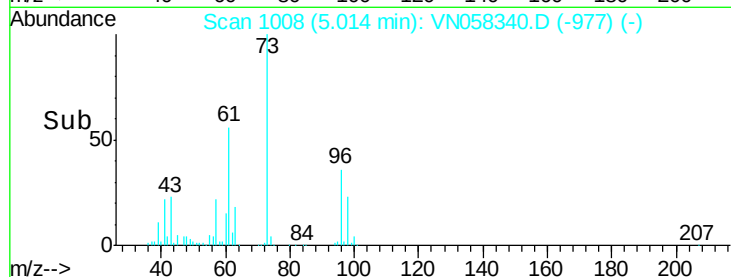
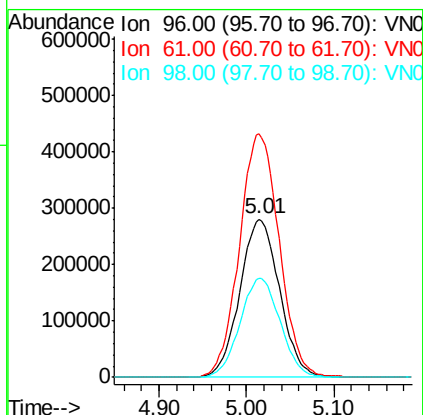
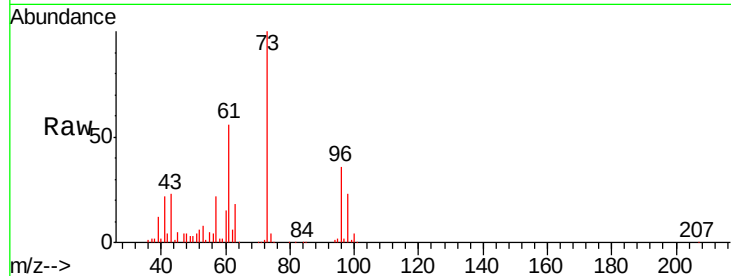




#19
trans-1,2-Dichloroethene
Concen: 155.142 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

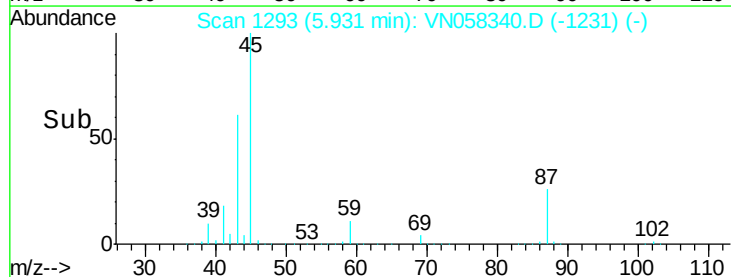
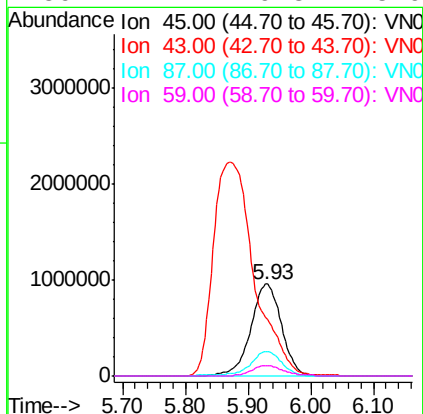
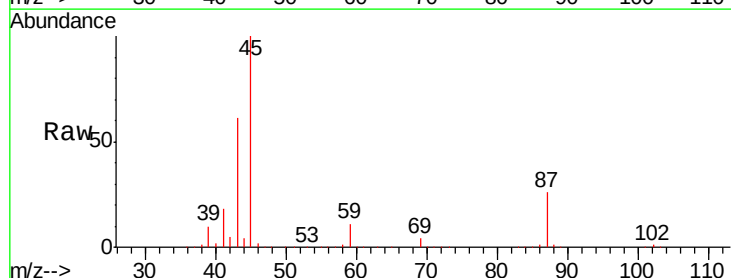
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

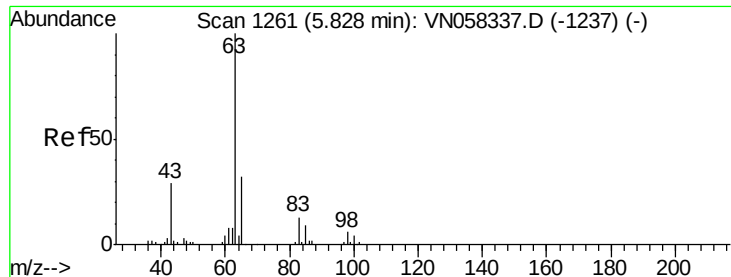
Tgt Ion: 96 Resp: 883894
Ion Ratio Lower Upper
96 100
61 153.7 128.0 192.0
98 62.6 53.0 79.6



#20
Diisopropyl ether
Concen: 151.641 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 45 Resp: 3262136
Ion Ratio Lower Upper
45 100
43 60.5 54.1 81.1
87 26.4 21.4 32.2
59 11.4 9.3 13.9



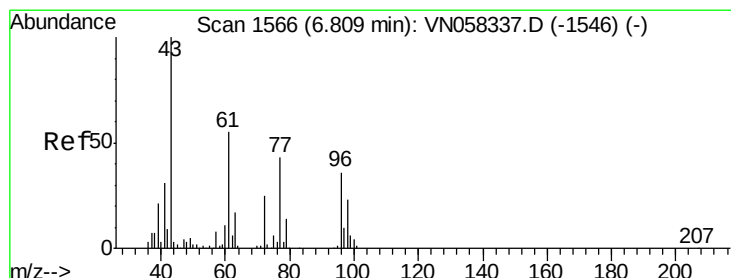
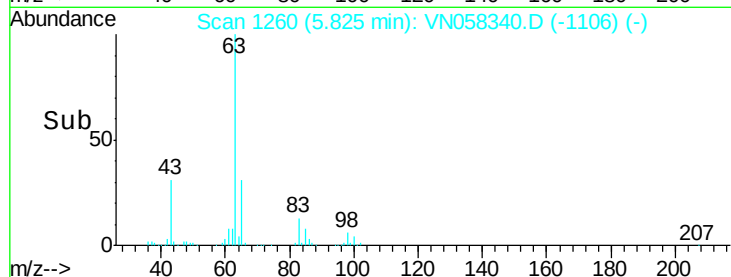
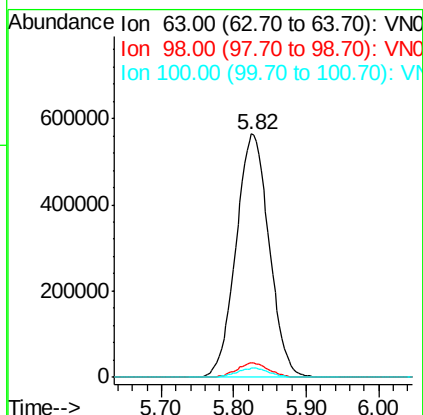
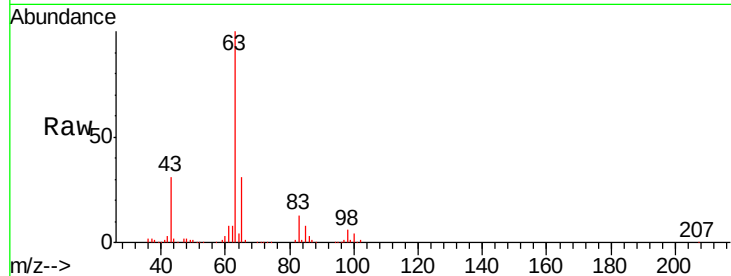


#21
 1,1-Dichloroethane
 Concen: 151.266 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1793986

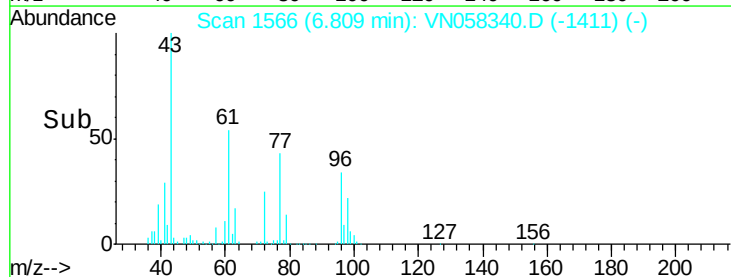
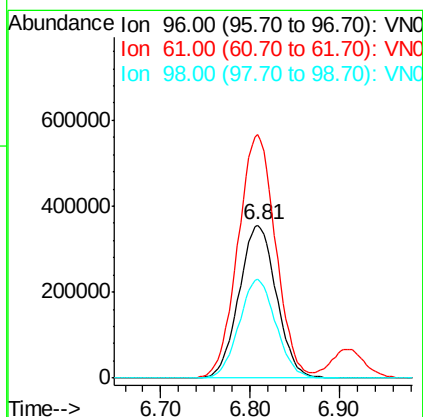
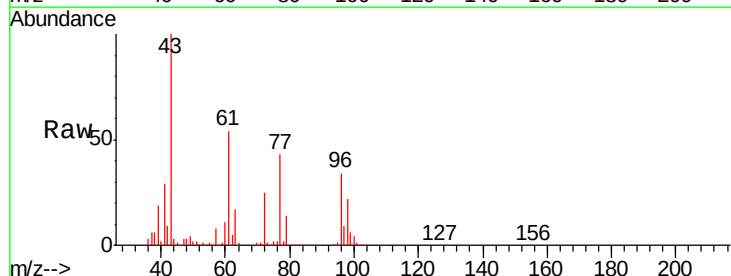
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.8	2.1	6.5

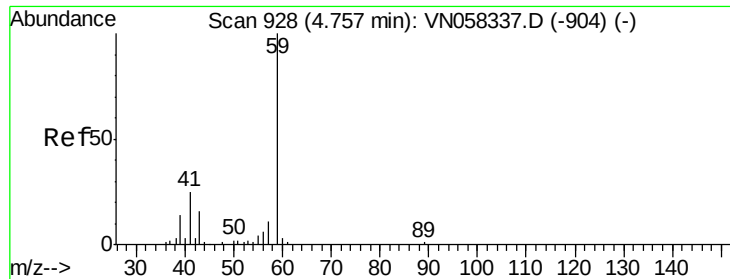


#22
 cis-1,2-Dichloroethene
 Concen: 150.039 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 96 Resp: 1035158

Ion	Ratio	Lower	Upper
96	100		
61	160.6	128.2	192.2
98	64.1	50.6	76.0

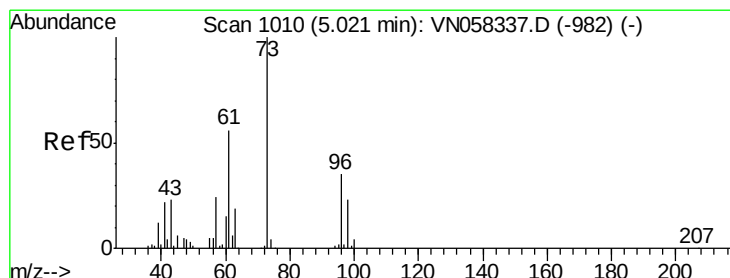
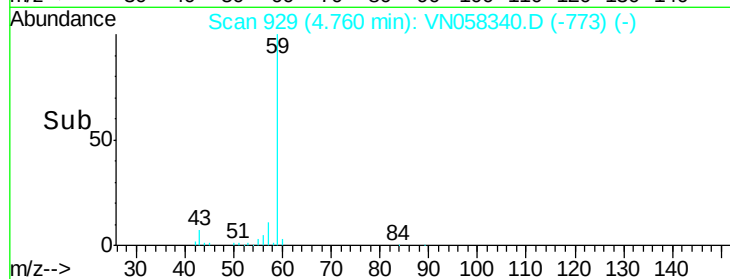
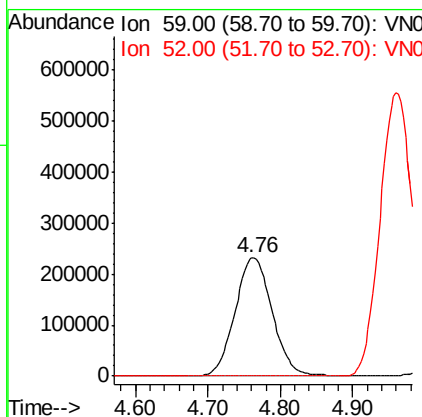
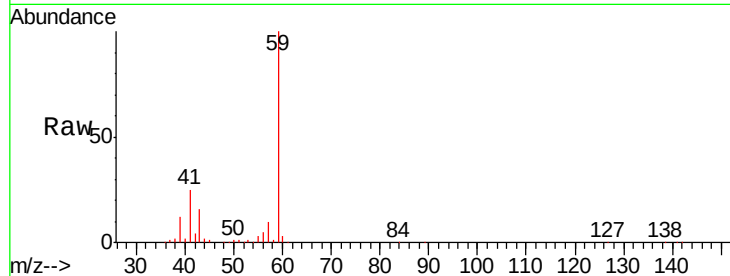




#23
 tert-Butyl Alcohol
 Concen: 882.697 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

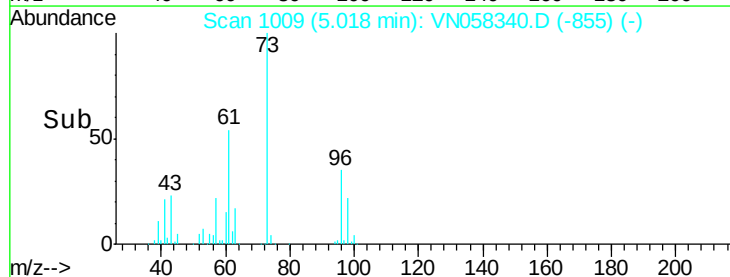
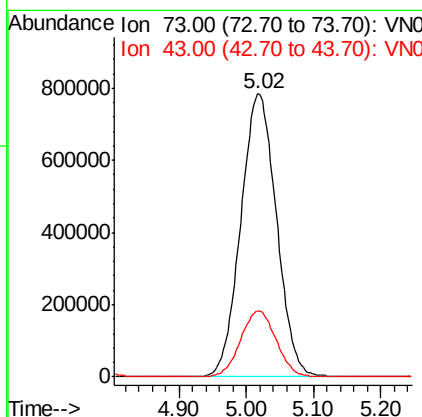
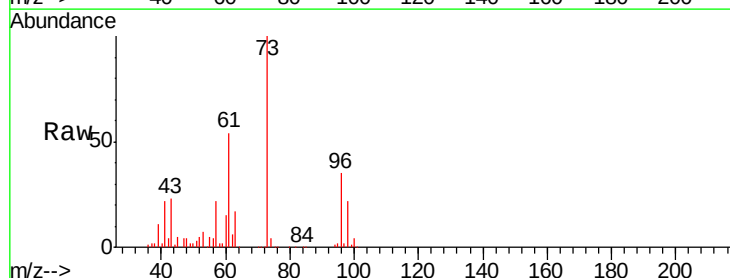
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

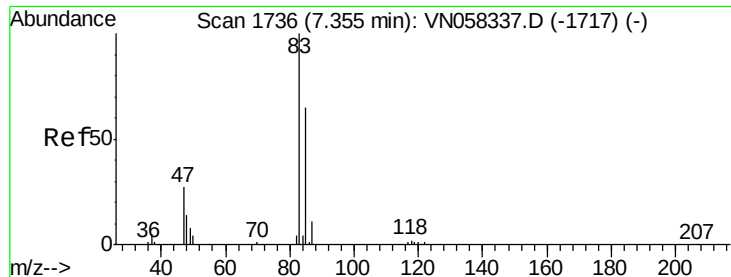
Tgt Ion: 59 Resp: 829923
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 150.080 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 73 Resp: 2891684
 Ion Ratio Lower Upper
 73 100
 43 23.0 18.4 27.6

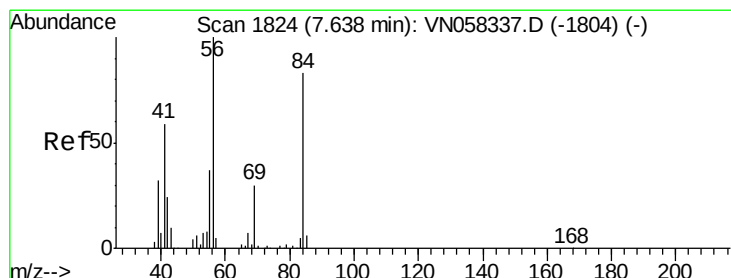
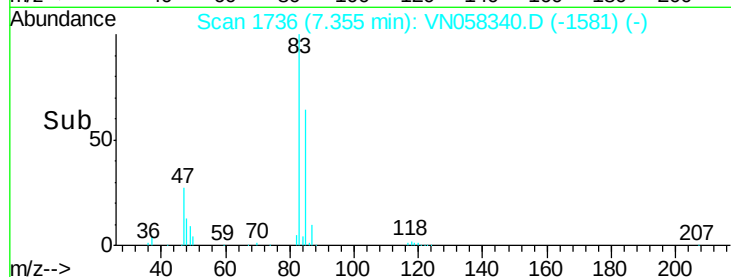
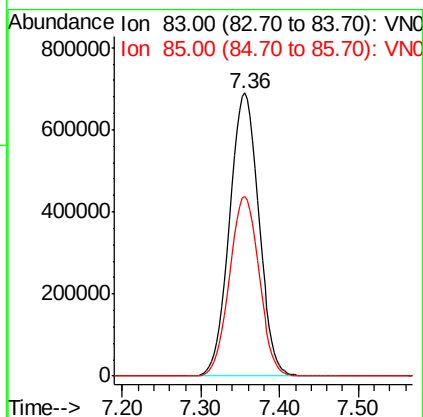
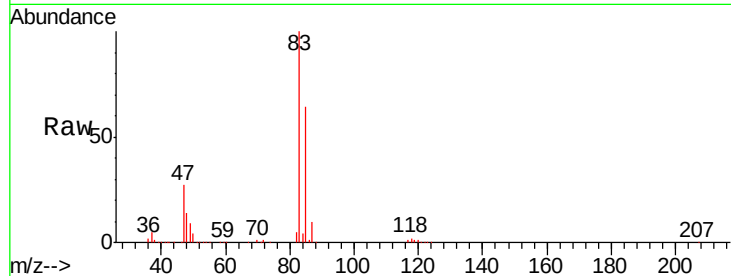




#25
Chloroform
Concen: 147.973 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

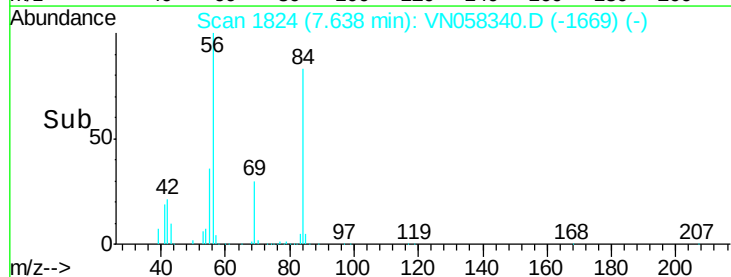
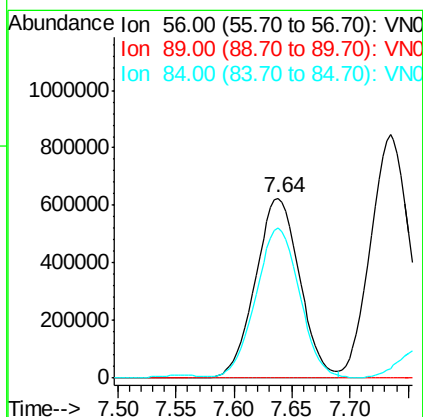
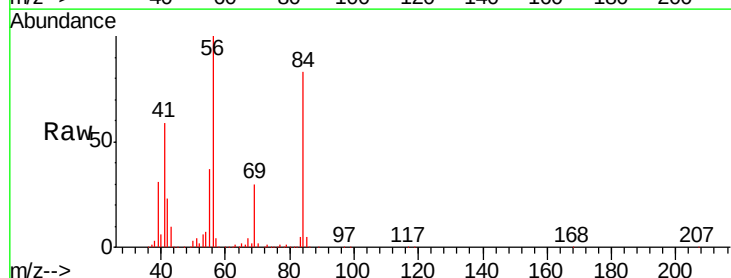
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

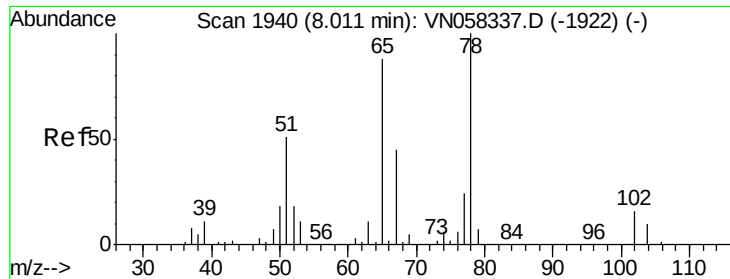
Tgt Ion: 83 Resp: 1788471
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6



#26
Cyclohexane
Concen: 162.426 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 56 Resp: 1661499
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1#
84 82.7 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 29.431 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

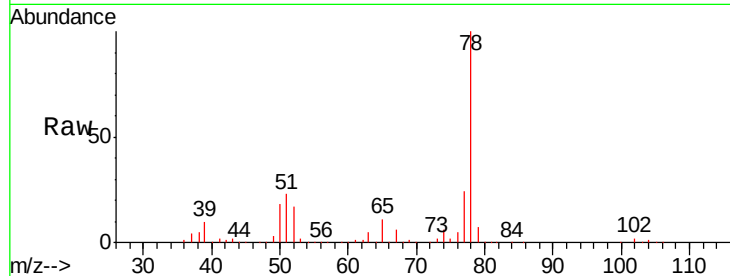
VSTDIC150

Tgt Ion: 65 Resp: 246962

Ion Ratio Lower Upper

65 100

67 51.8 40.4 60.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.01

100000

80000

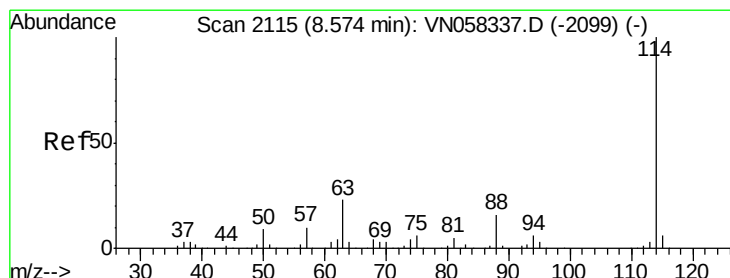
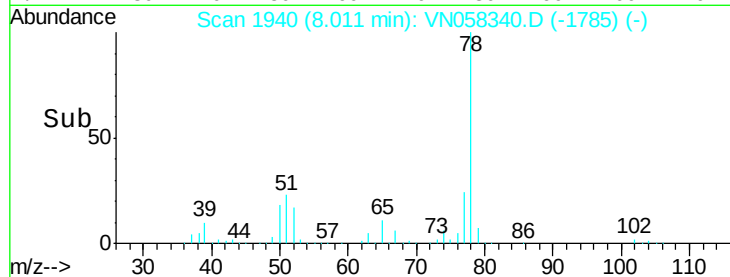
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

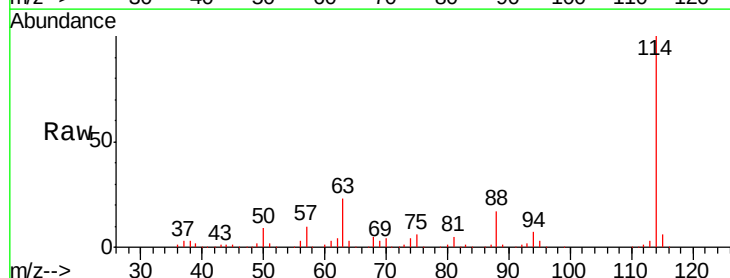
Tgt Ion: 114 Resp: 551870

Ion Ratio Lower Upper

114 100

63 22.7 17.8 26.8

88 16.3 12.7 19.1



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

8.57

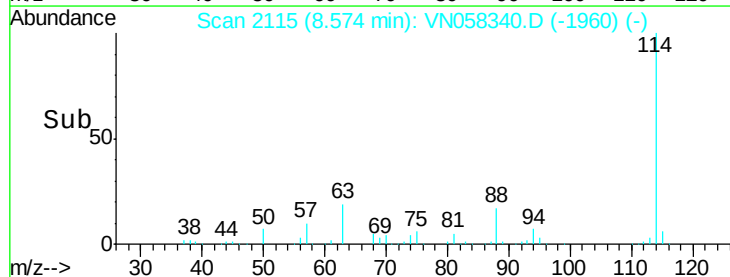
300000

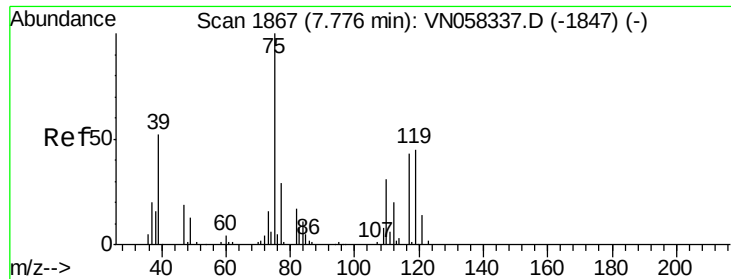
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 157.642 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

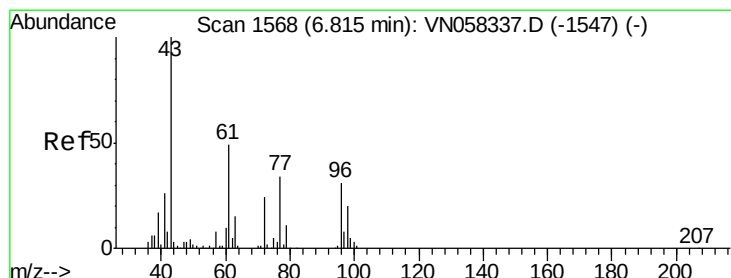
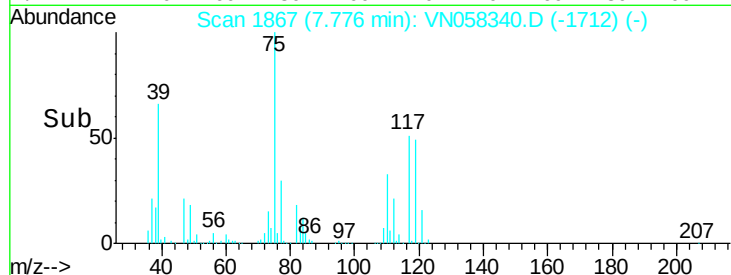
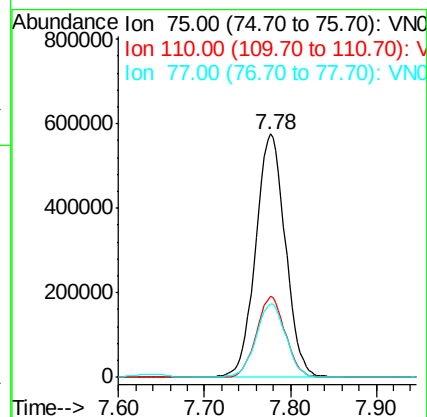
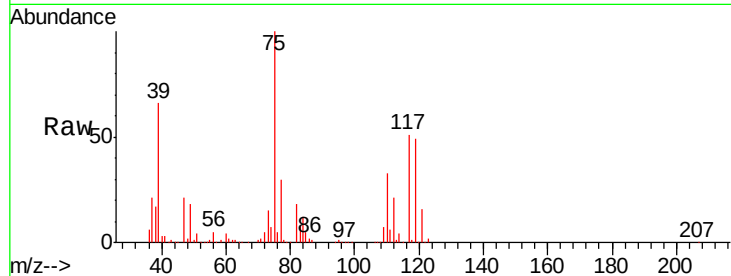
Tgt Ion: 75 Resp: 1388092

Ion Ratio Lower Upper

75 100

110 32.4 0.0 63.6

77 30.6 0.0 59.4



#30

2-Butanone

Concen: 790.612 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

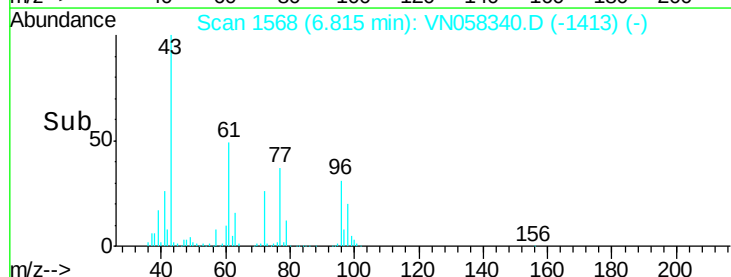
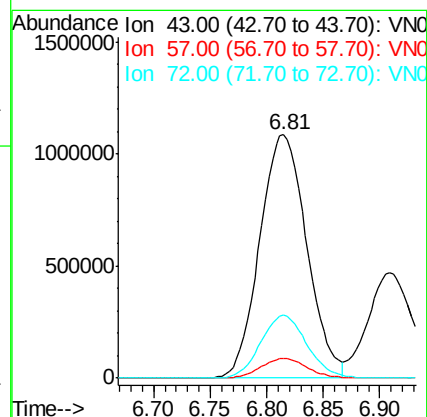
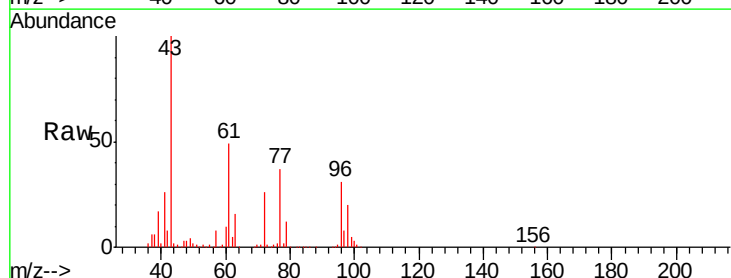
Tgt Ion: 43 Resp: 3127382

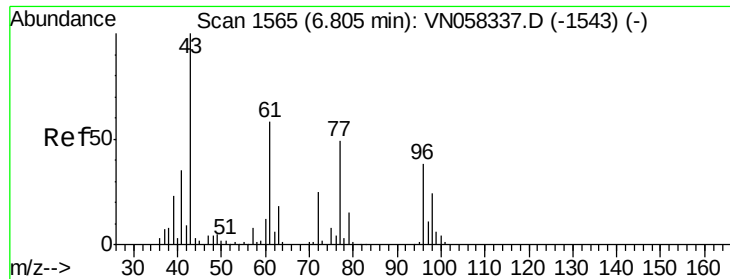
Ion Ratio Lower Upper

43 100

57 8.0 6.2 9.4

72 25.5 20.3 30.5

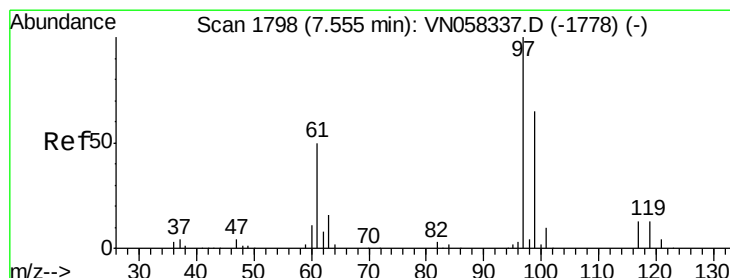
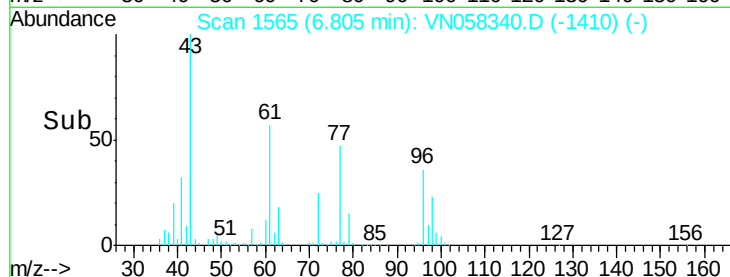
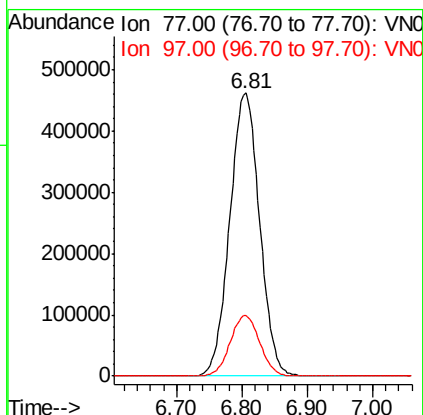
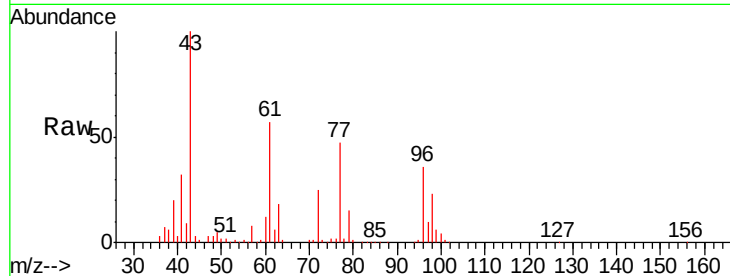




#31
 2,2-Dichloropropane
 Concen: 157.533 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

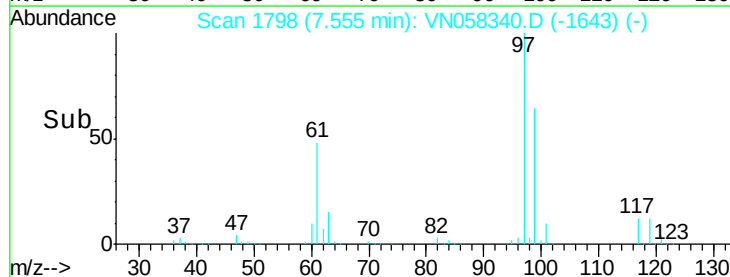
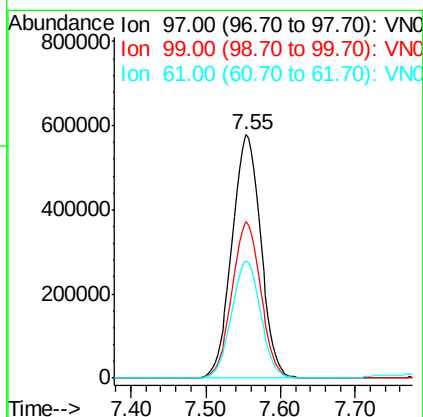
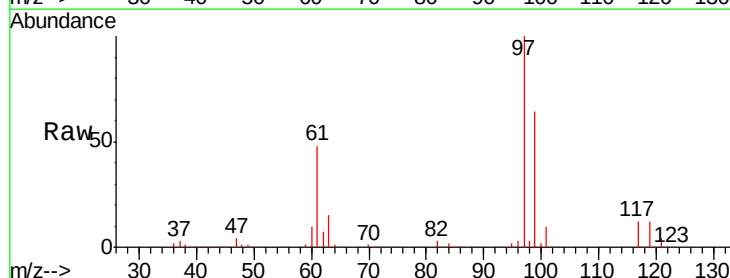
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

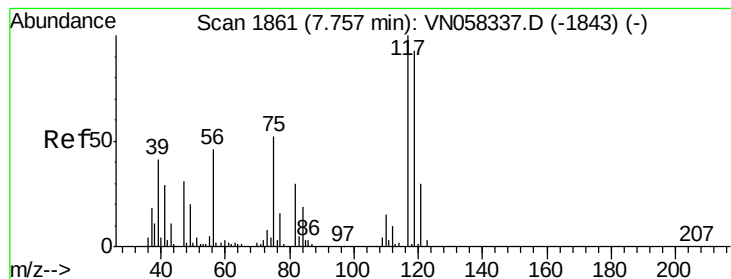
Tgt Ion: 77 Resp: 1463078
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 157.967 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 97 Resp: 1549904
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.6
 61 48.5 39.4 59.2





#33

Carbon Tetrachloride

Concen: 163.498 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

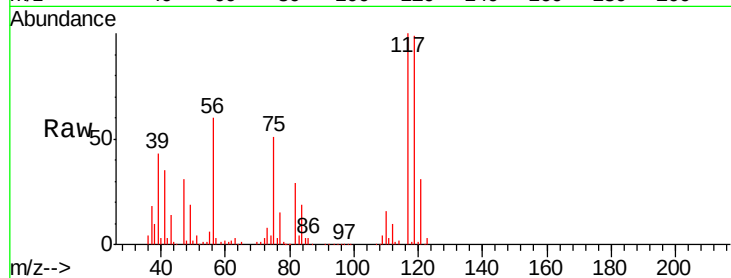
Tgt Ion:117 Resp: 1327028

Ion Ratio Lower Upper

117 100

119 98.5 74.2 111.4

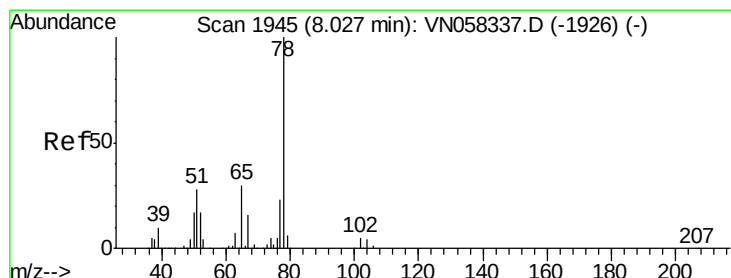
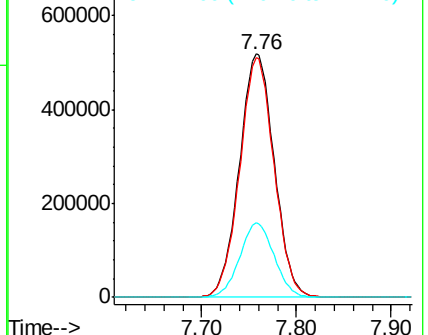
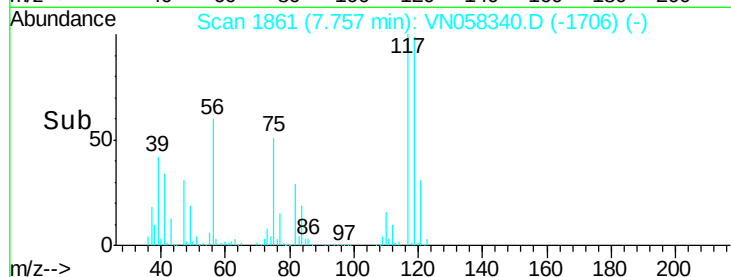
121 30.6 23.9 35.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 146.045 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

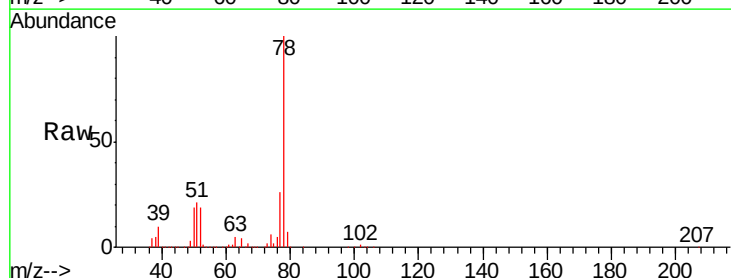
Tgt Ion: 78 Resp: 3780209

Ion Ratio Lower Upper

78 100

77 25.7 18.8 28.2

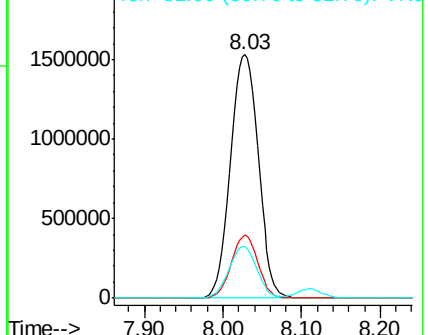
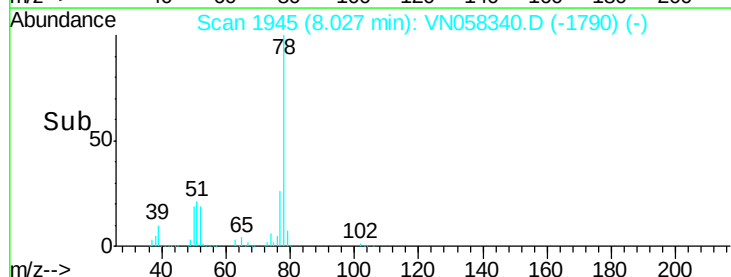
51 21.2 22.4 33.6#

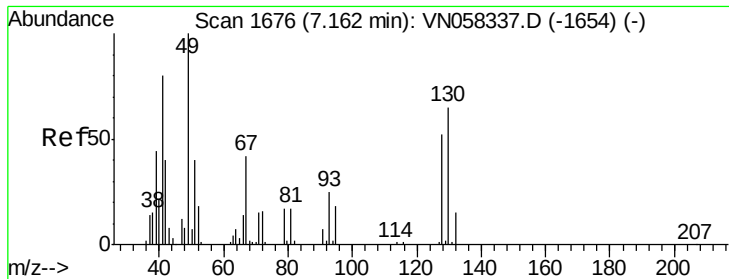


Abundance Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

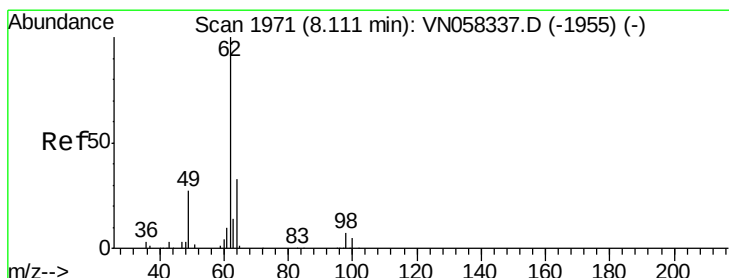
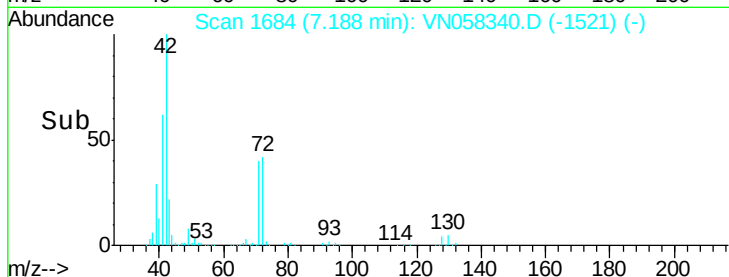
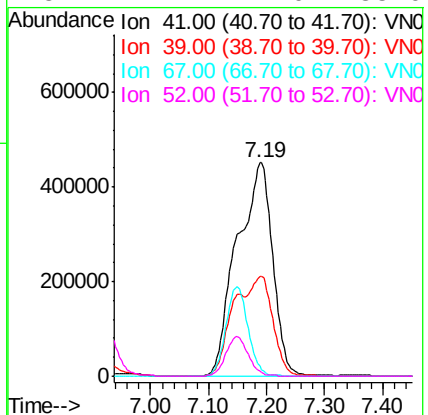
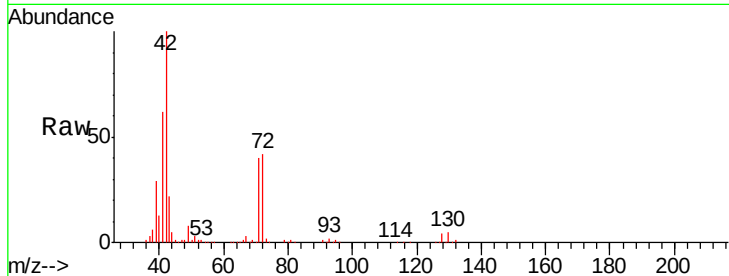




#35
Methacrylonitrile
Concen: 515.047 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

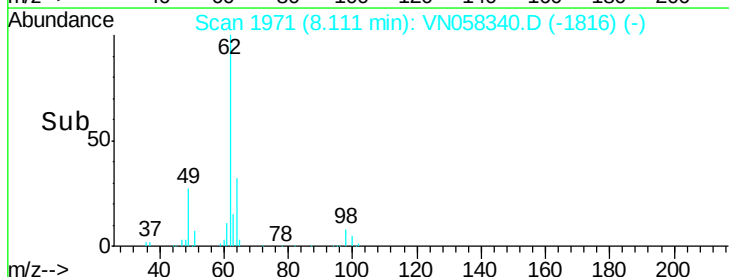
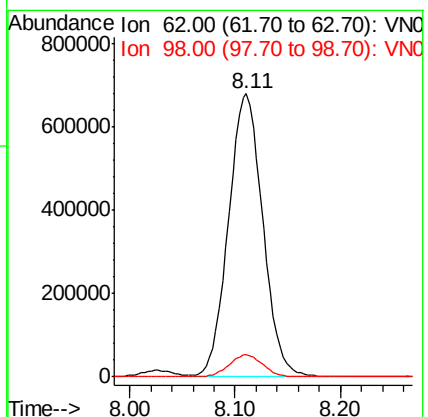
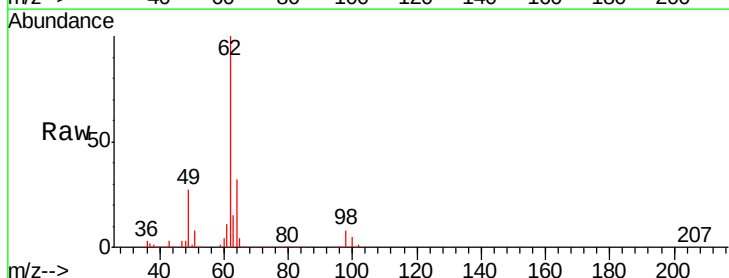
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

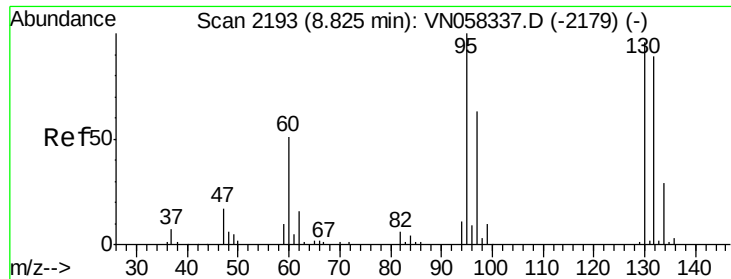
Tgt Ion: 41 Resp: 1923742
Ion Ratio Lower Upper
41 100
39 46.6 27.3 81.9
67 4.5 26.3 78.9#
52 2.2 11.0 33.0#



#36
1,2-Dichloroethane
Concen: 152.447 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 62 Resp: 1529961
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0





#37

Trichloroethene

Concen: 154.548 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

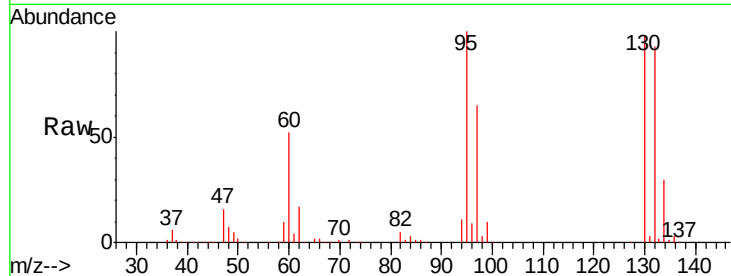
VSTDIC150

Tgt Ion:130 Resp: 977344

Ion Ratio Lower Upper

130 100

95 102.5 83.3 124.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

500000

400000

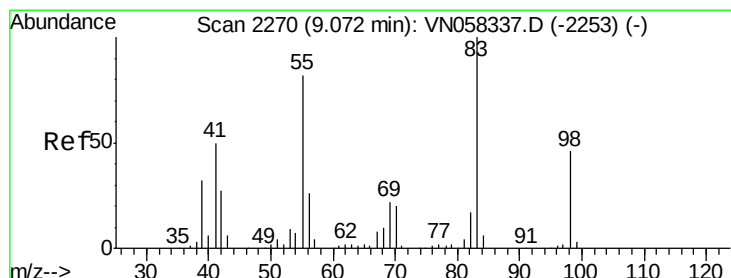
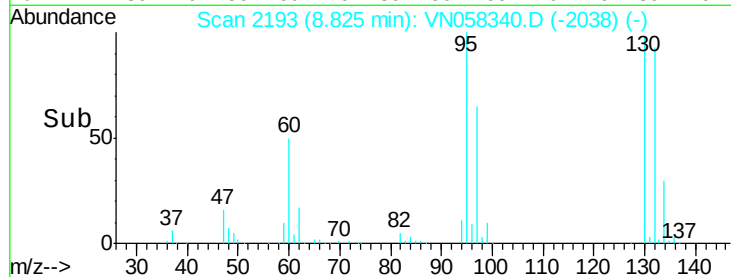
300000

200000

100000

0

Time-->



#38

Methylcyclohexane

Concen: 166.580 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

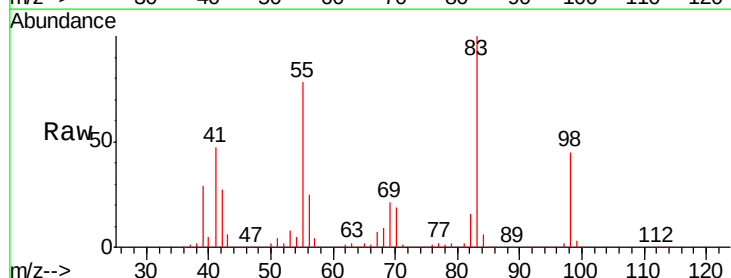
Tgt Ion: 83 Resp: 1686026

Ion Ratio Lower Upper

83 100

55 78.5 40.5 121.4

98 44.7 23.1 69.2



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

9.07

1000000

800000

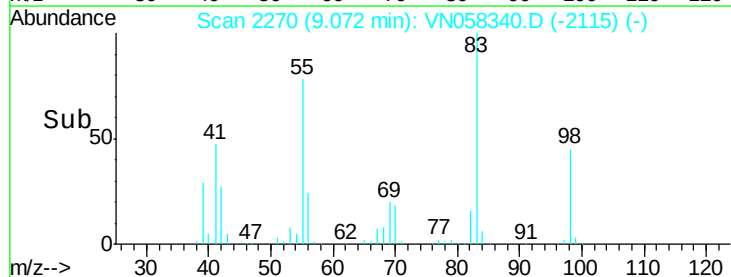
600000

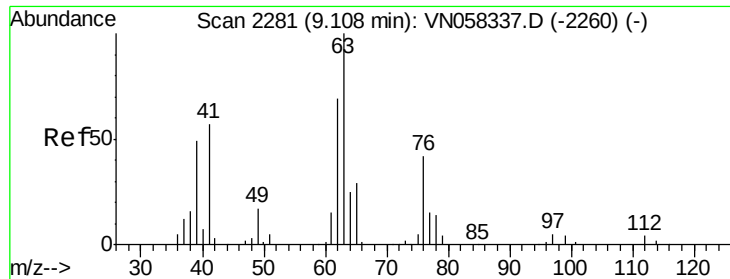
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 147.535 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

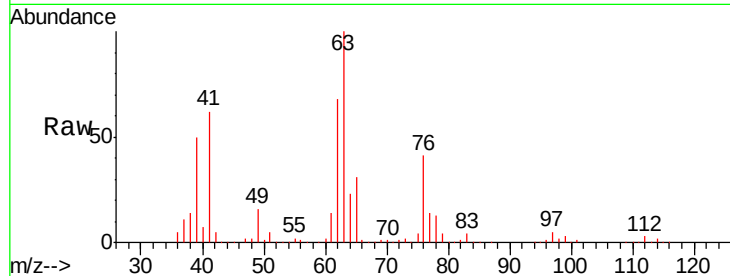
VSTDIC150

Tgt Ion: 63 Resp: 1064754

Ion Ratio Lower Upper

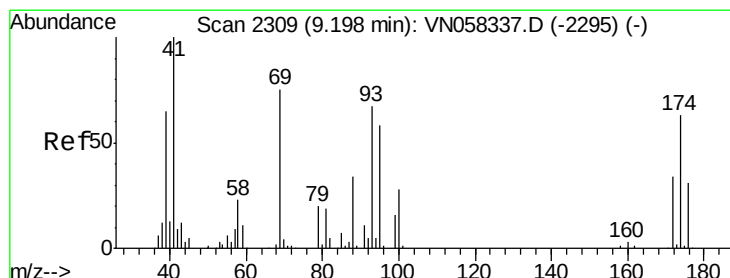
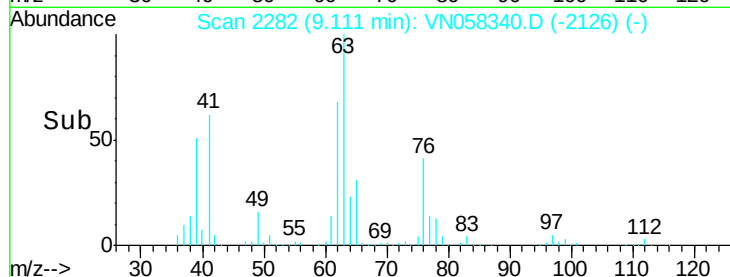
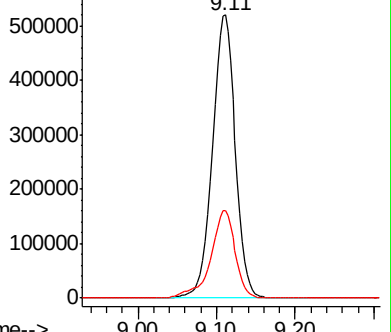
63 100

65 31.0 23.4 35.0



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 152.278 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

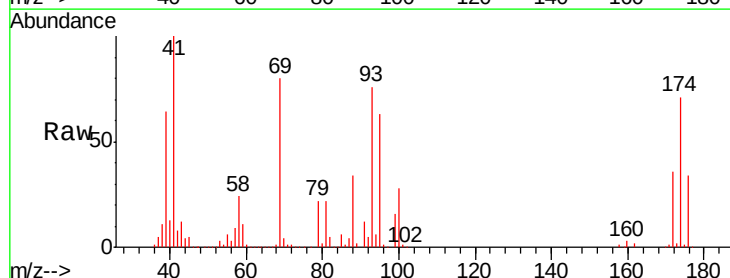
Tgt Ion: 93 Resp: 672344

Ion Ratio Lower Upper

93 100

95 83.2 0.0 166.8

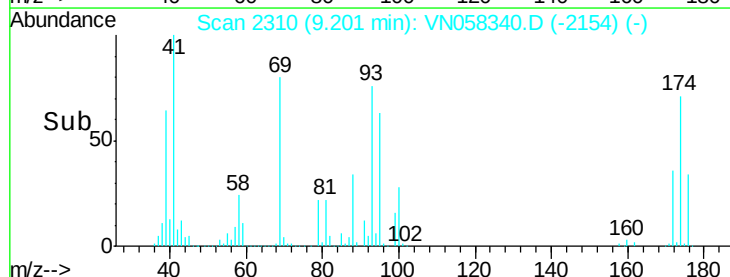
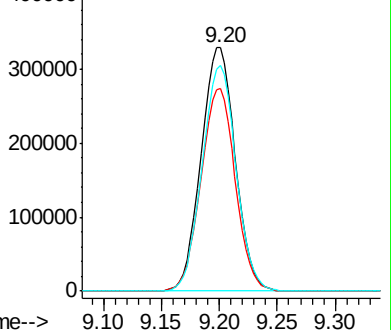
174 92.0 0.0 187.2

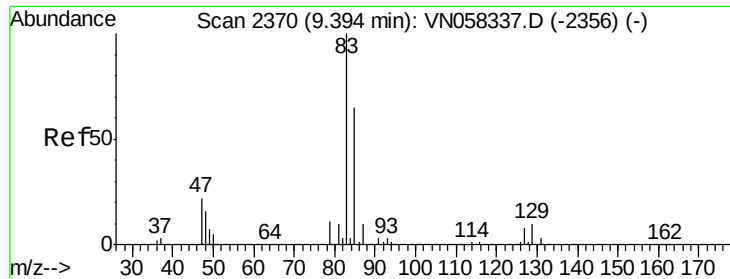


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 157.867 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

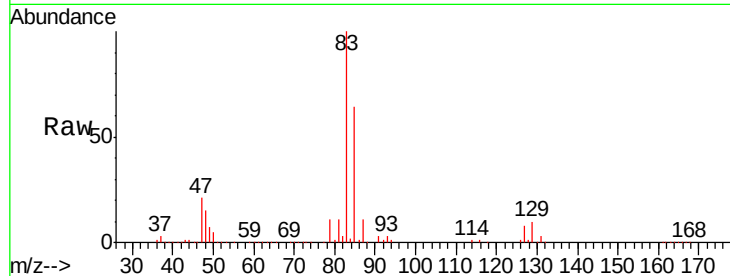
Tgt Ion: 83 Resp: 1406012

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

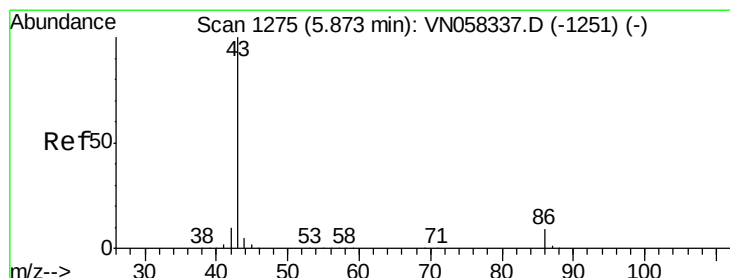
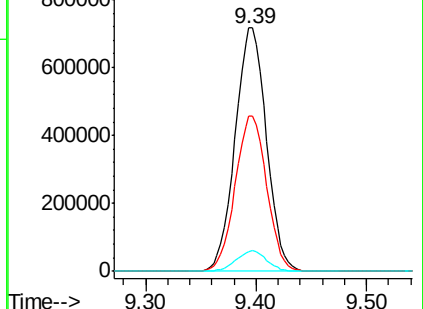
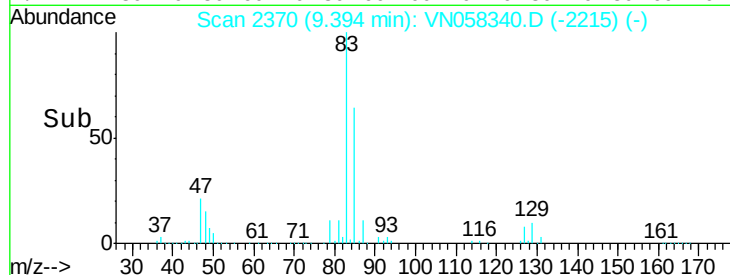
127 8.3 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN058340.D (-2215) (-)

Ion 85.00 (84.70 to 85.70): VN058340.D (-2215) (-)

Ion 127.00 (126.70 to 127.70): VN058340.D (-2215) (-)



#42

Vinyl Acetate

Concen: 632.787 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058340.D

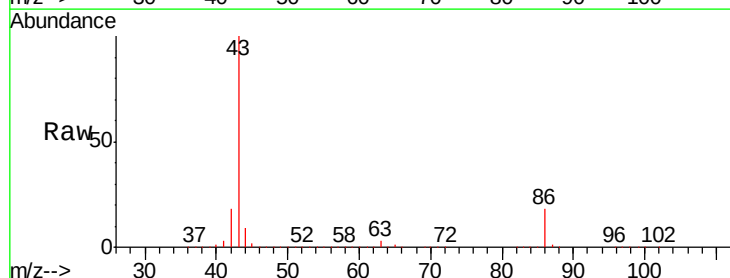
Acq: 24 Sep 2019 11:37

Tgt Ion: 43 Resp: 10035588

Ion Ratio Lower Upper

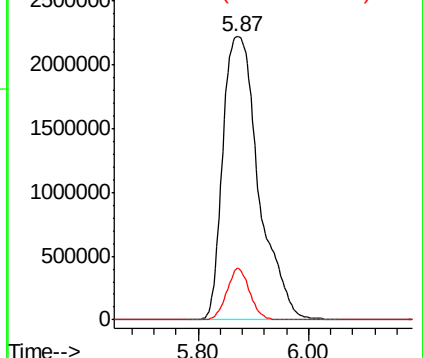
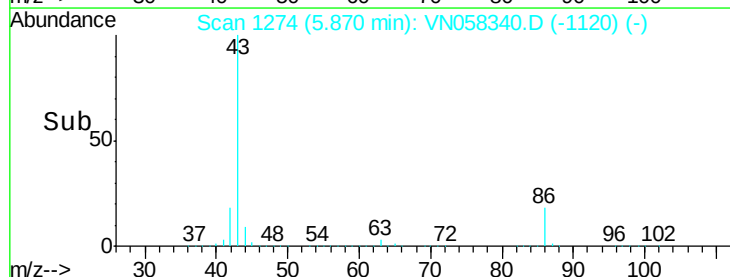
43 100

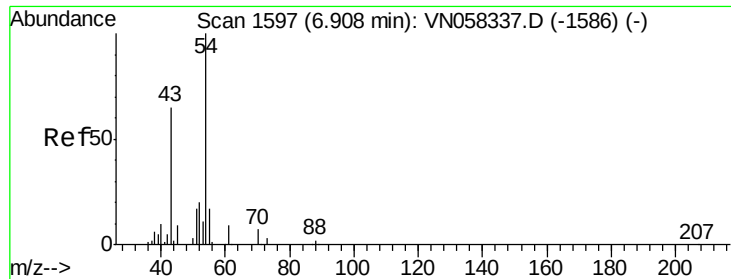
86 11.6 6.6 9.8#



Abundance Ion 43.00 (42.70 to 43.70): VN058340.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN058340.D (-1120) (-)





#43

Ethyl Acetate

Concen: 164.027 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

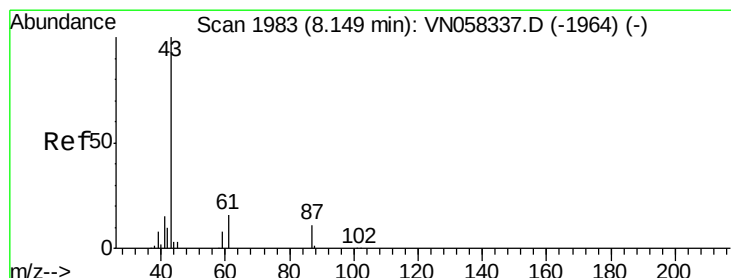
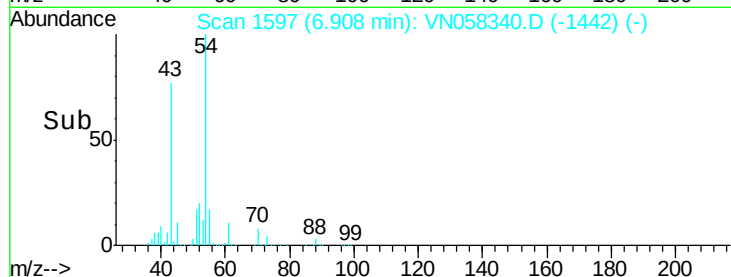
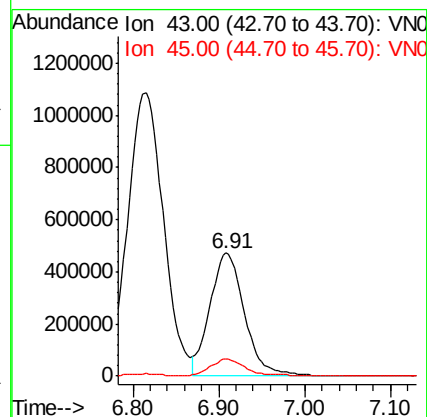
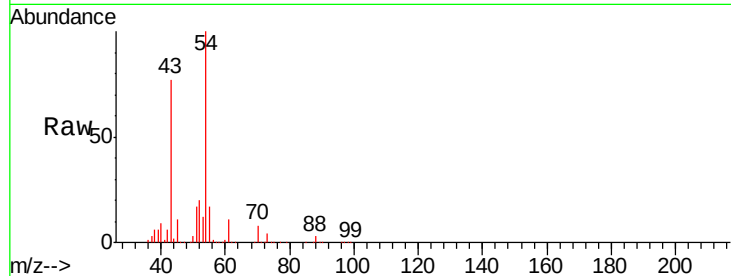
VSTDIC150

Tgt Ion: 43 Resp: 1312622

Ion Ratio Lower Upper

43 100

45 14.6 9.8 14.6



#44

Isopropyl Acetate

Concen: 161.747 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058340.D

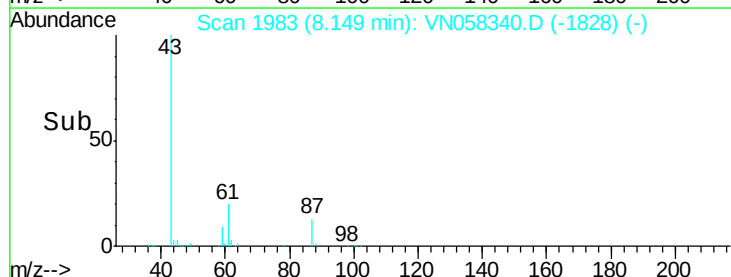
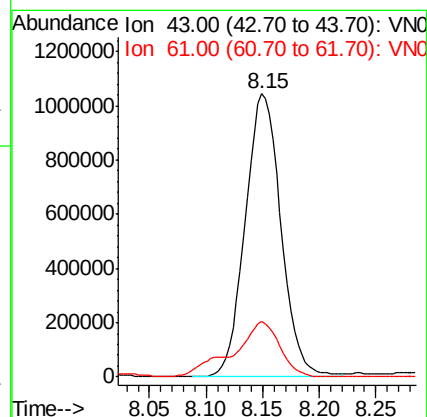
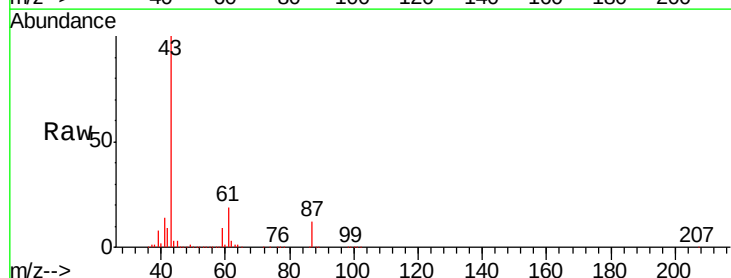
Acq: 24 Sep 2019 11:37

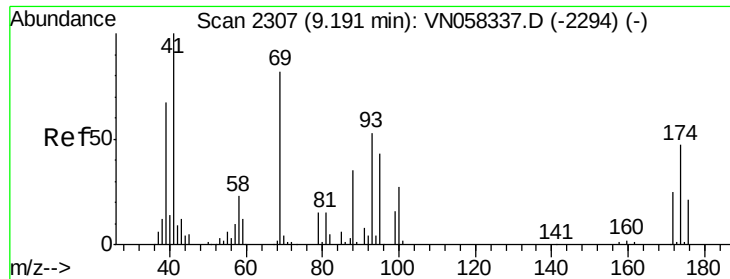
Tgt Ion: 43 Resp: 2296625

Ion Ratio Lower Upper

43 100

61 19.1 14.4 21.6

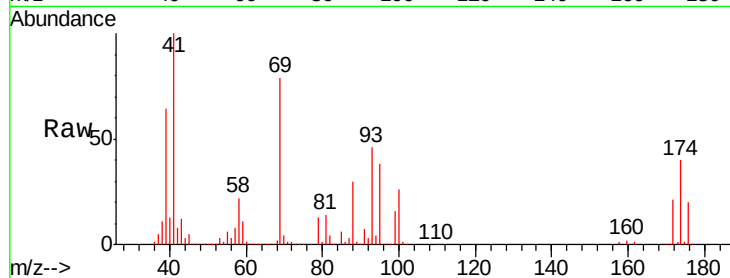




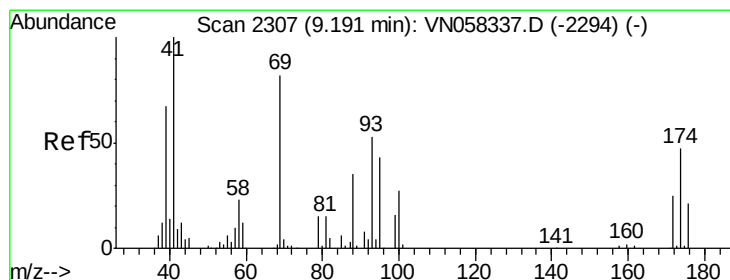
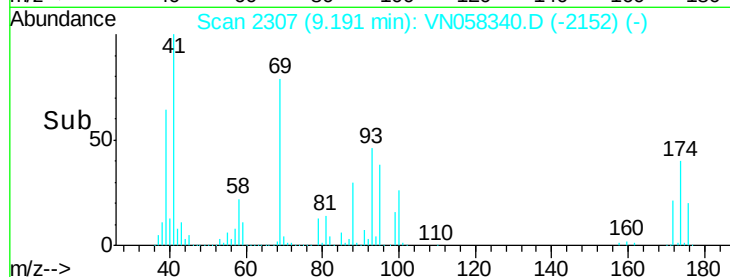
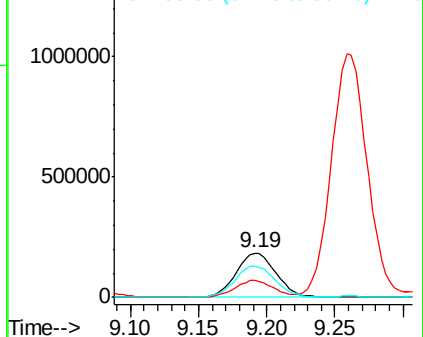
#45
 1,4-Dioxane
 Concen: 3285.997 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 88 Resp: 373102
 Ion Ratio Lower Upper
 88 100
 43 36.1 27.2 40.8
 58 71.2 55.4 83.0

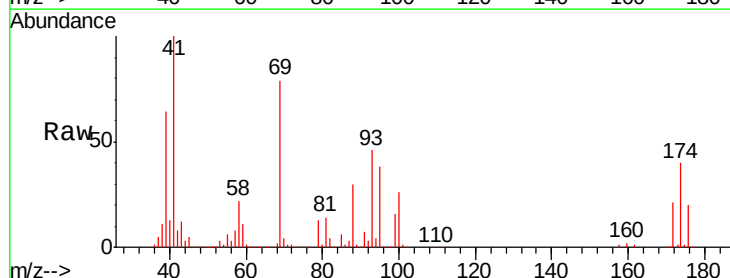


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

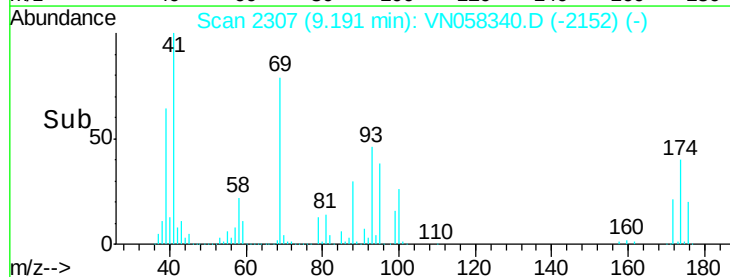
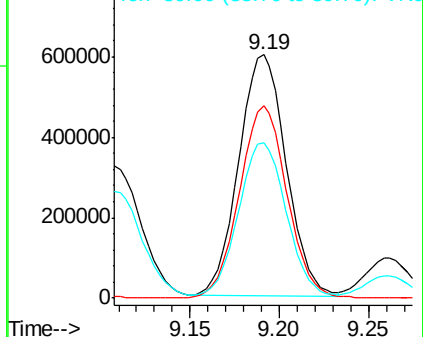


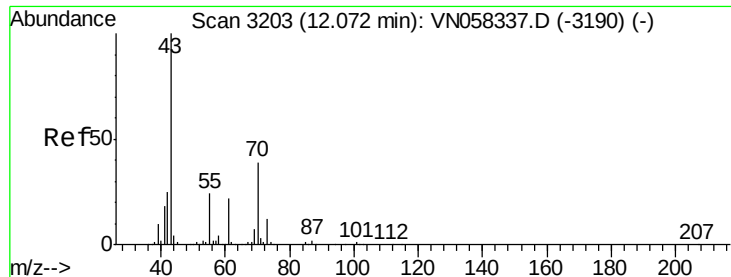
#46
 Methyl methacrylate
 Concen: 161.888 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 41 Resp: 1111336
 Ion Ratio Lower Upper
 41 100
 69 79.7 40.9 122.7
 39 63.4 33.6 100.6



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-amyI Acetate

Concen: 163.332 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

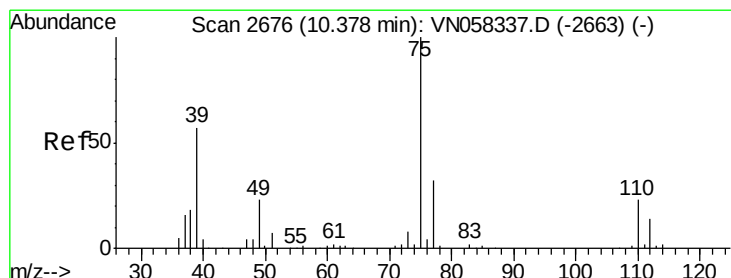
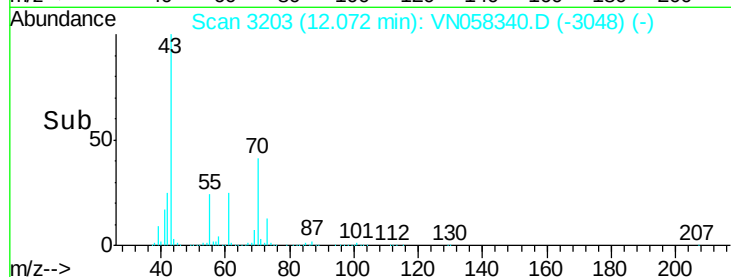
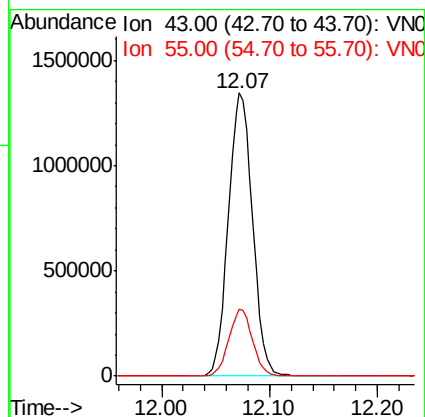
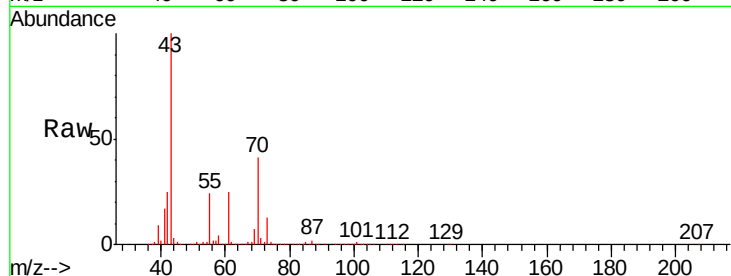
VSTDIC150

Tgt Ion: 43 Resp: 2101269

Ion Ratio Lower Upper

43 100

55 23.0 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 169.239 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058340.D

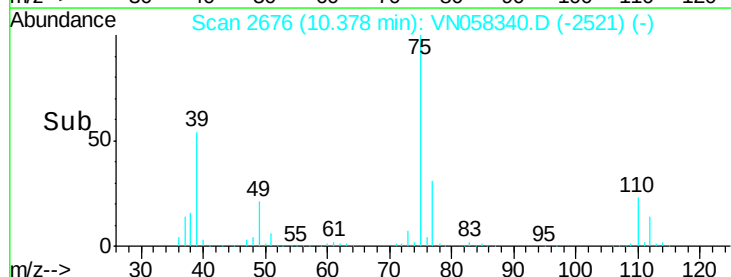
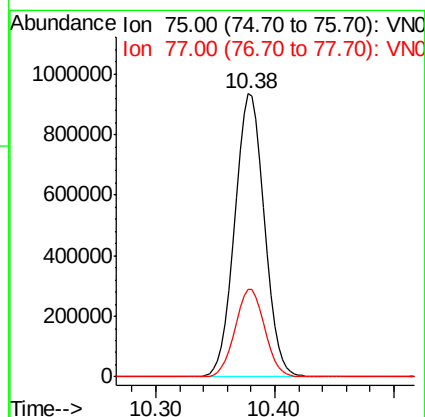
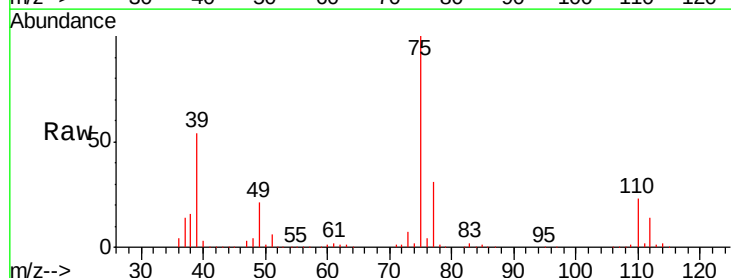
Acq: 24 Sep 2019 11:37

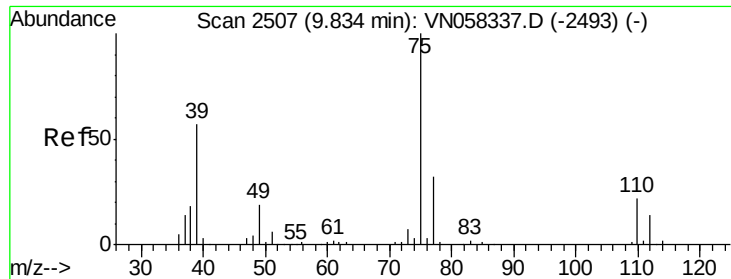
Tgt Ion: 75 Resp: 1613638

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

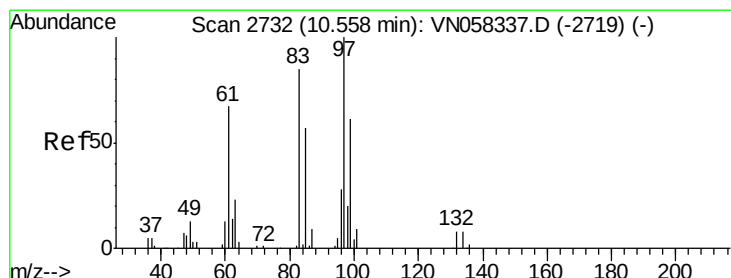
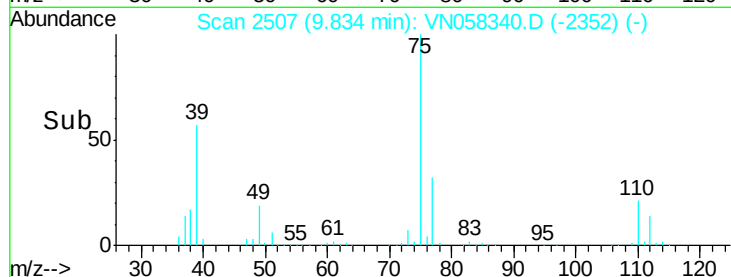
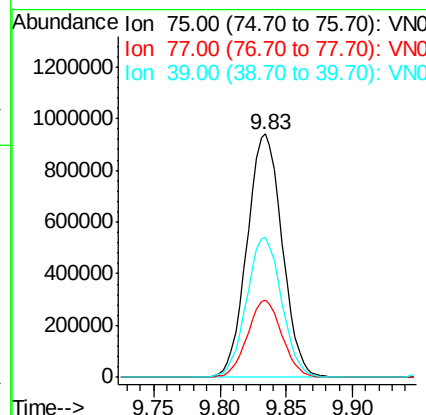
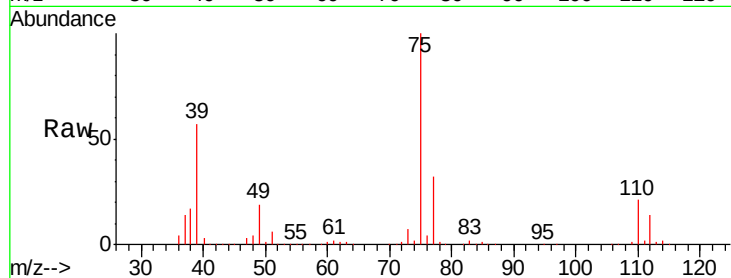




#49
 cis-1,3-Dichloropropene
 Concen: 161.502 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

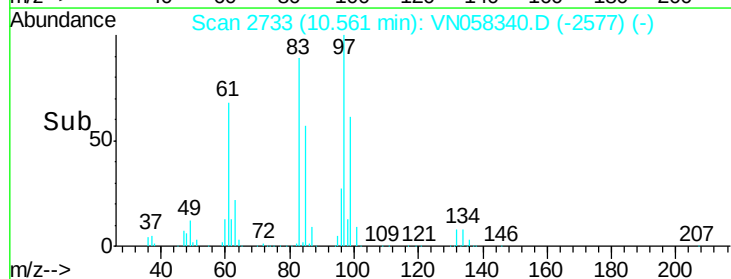
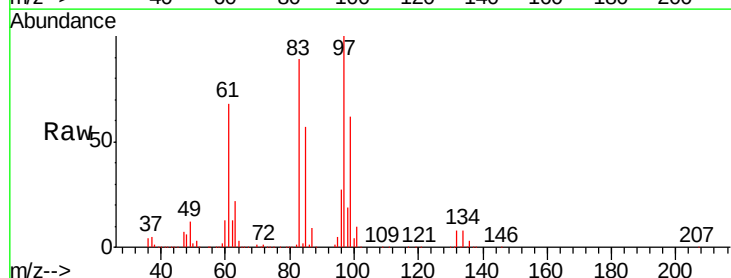
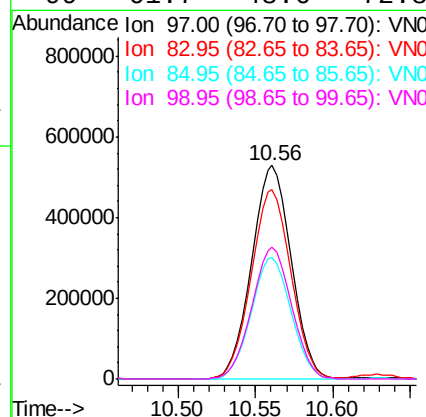
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

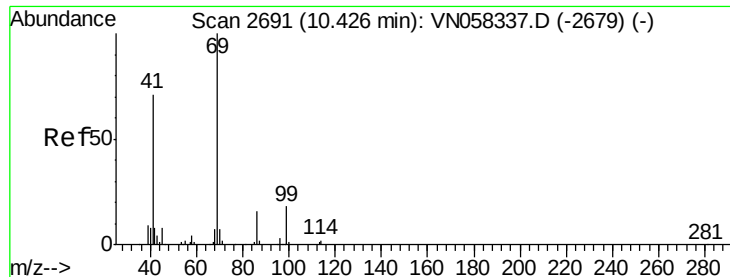
Tgt Ion: 75 Resp: 1730846
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 57.3 45.8 68.6



#50
 1,1,2-Trichloroethane
 Concen: 148.211 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 97 Resp: 943655
 Ion Ratio Lower Upper
 97 100
 83 88.8 67.8 101.6
 85 57.0 45.8 68.6
 99 61.7 48.6 72.8





#51

Ethyl methacrylate

Concen: 160.724 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

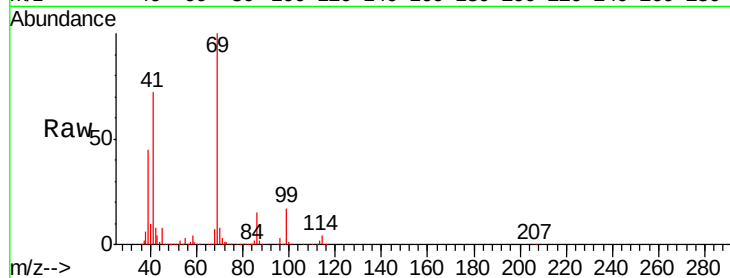
Tgt Ion: 69 Resp: 1595566

Ion	Ratio	Lower	Upper
69	100		
41	72.2	35.4	106.1
39	44.5	23.5	70.5

69 100

41 72.2 35.4 106.1

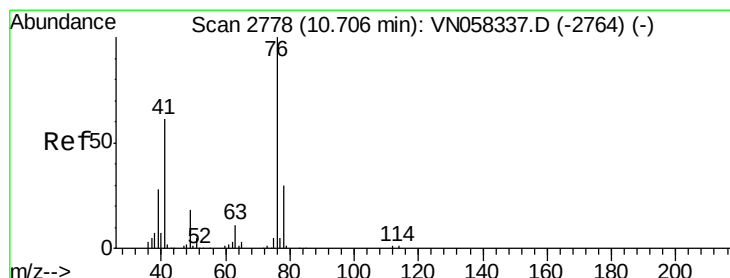
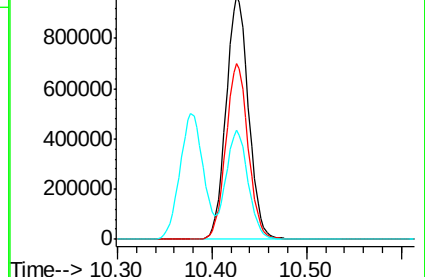
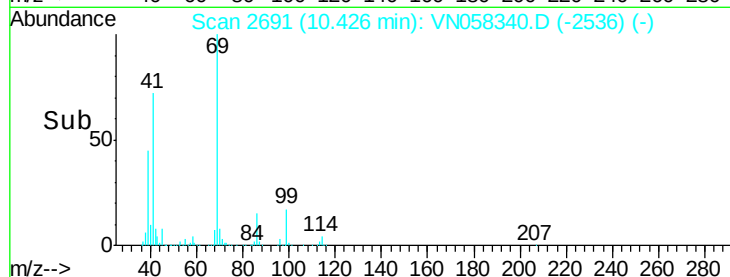
39 44.5 23.5 70.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 150.322 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058340.D

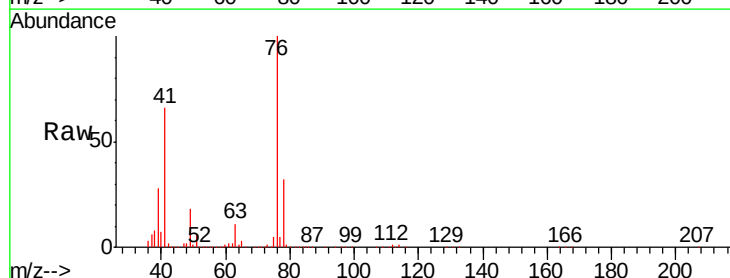
Acq: 24 Sep 2019 11:37

Tgt Ion: 76 Resp: 1682386

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.0

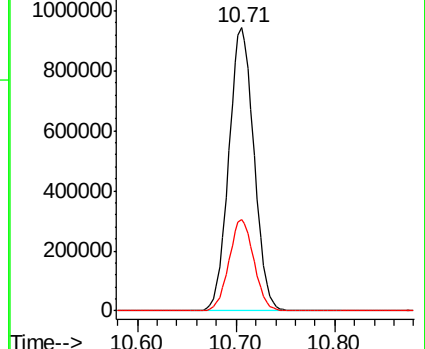
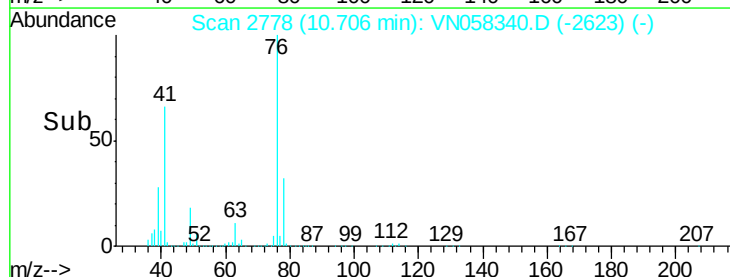
76 100

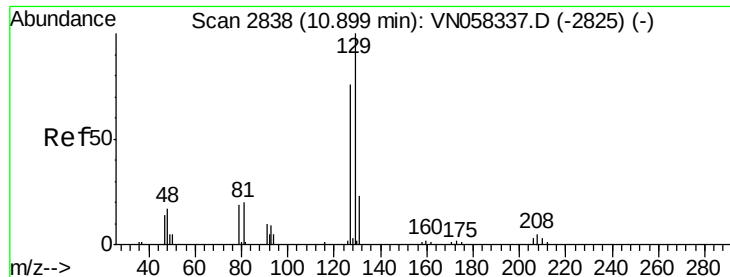
78 32.1 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

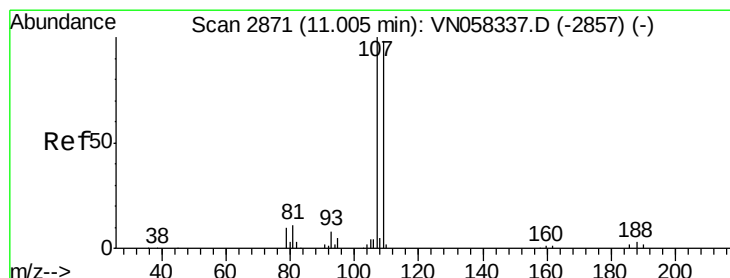
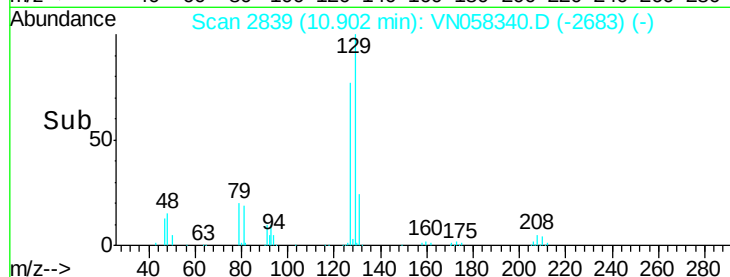
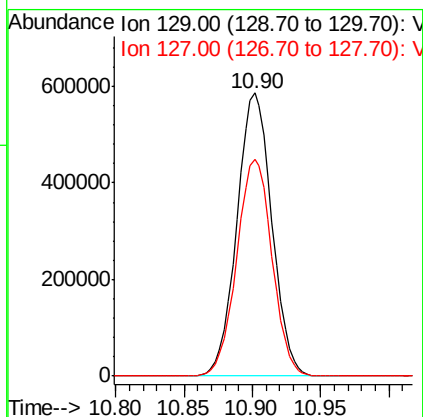
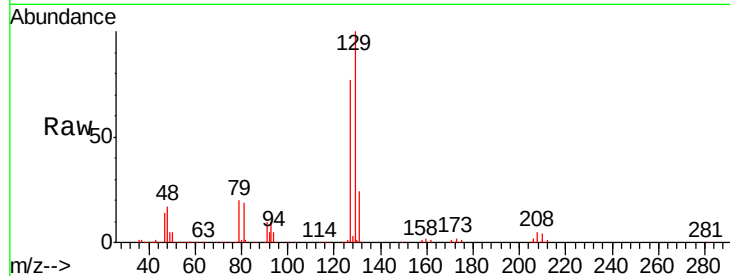




#53
 Dibromochloromethane
 Concen: 164.039 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

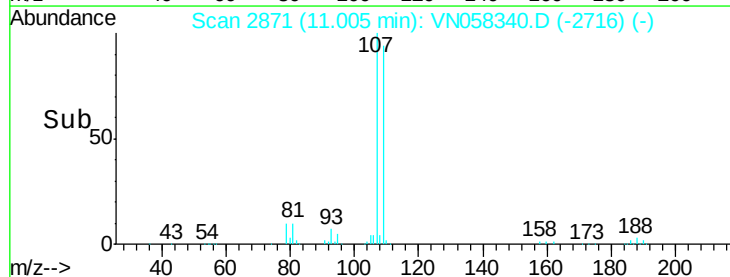
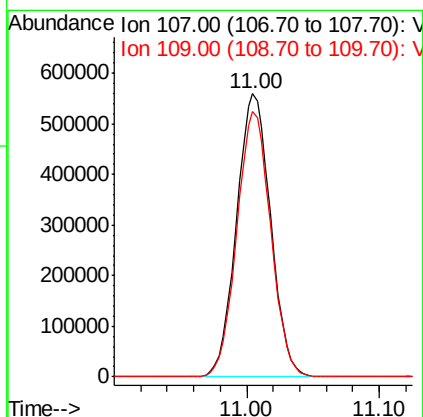
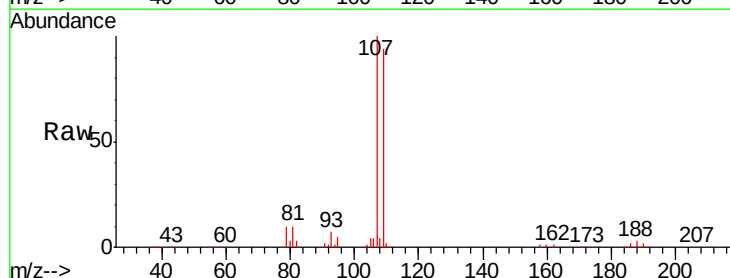
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

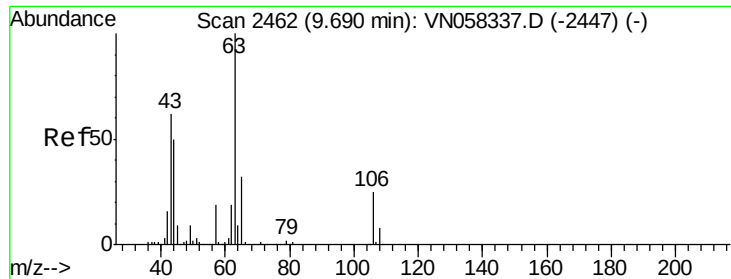
Tgt Ion:129 Resp: 1042980
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.4 115.2



#54
 1,2-Dibromoethane
 Concen: 156.332 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion:107 Resp: 996996
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.5 114.7

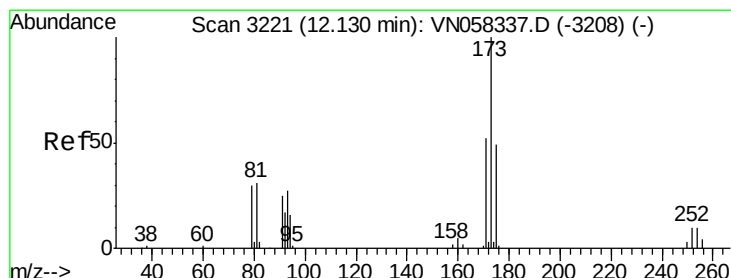
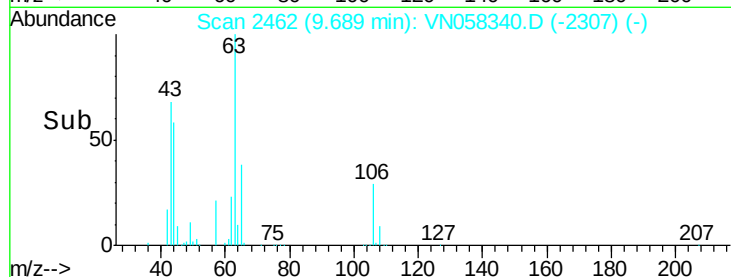
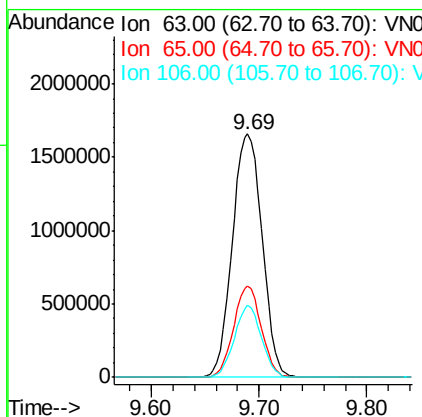
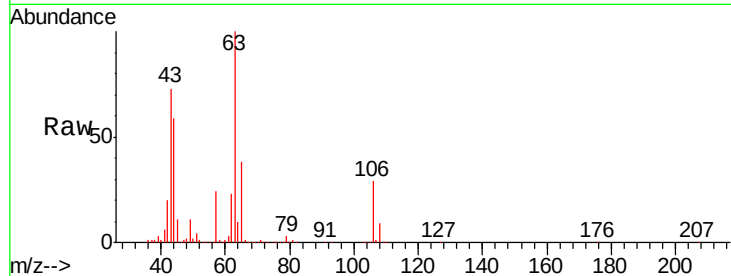




#55
 2-Chloroethyl vinyl ether
 Concen: 700.515 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

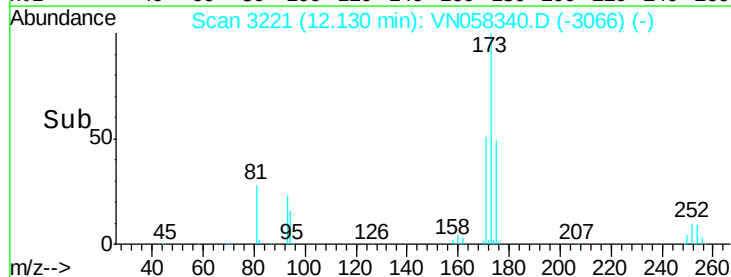
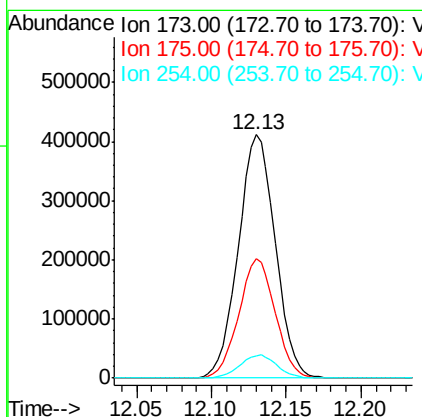
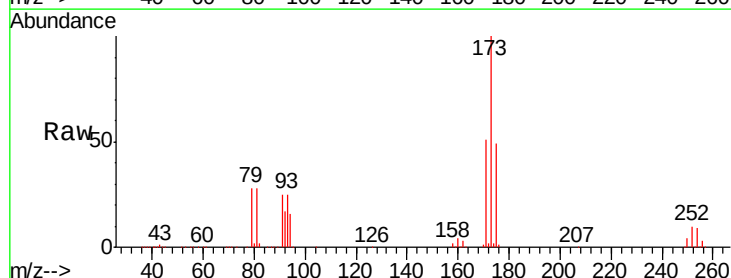
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

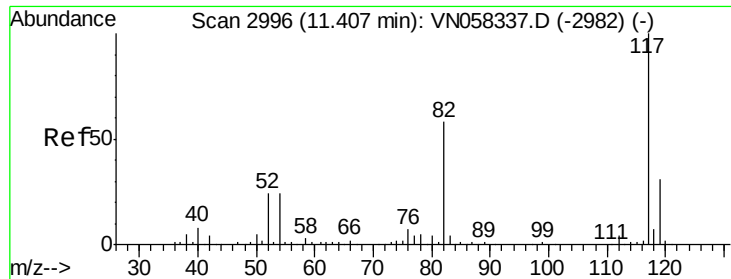
Tgt Ion: 63 Resp: 3195570
 Ion Ratio Lower Upper
 63 100
 65 34.8 25.4 38.2
 106 27.0 20.4 30.6



#56
 Bromoform
 Concen: 179.357 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 173 Resp: 706090
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 9.5 7.8 11.8

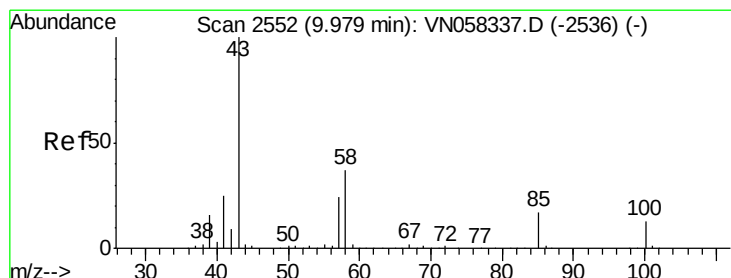
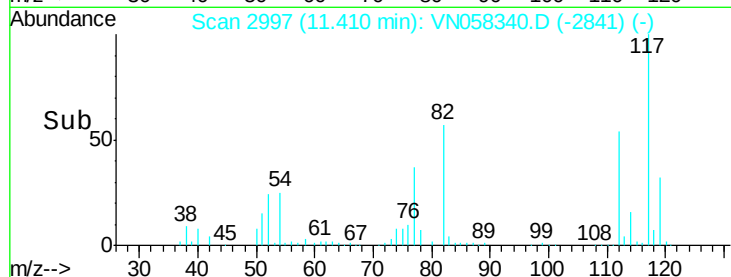
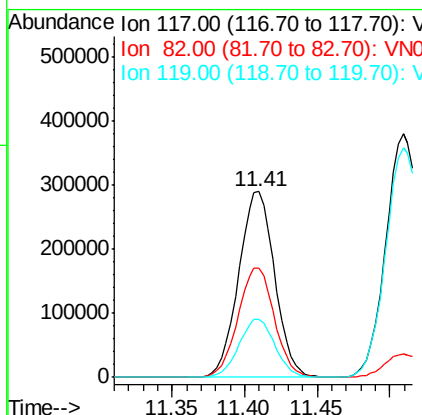
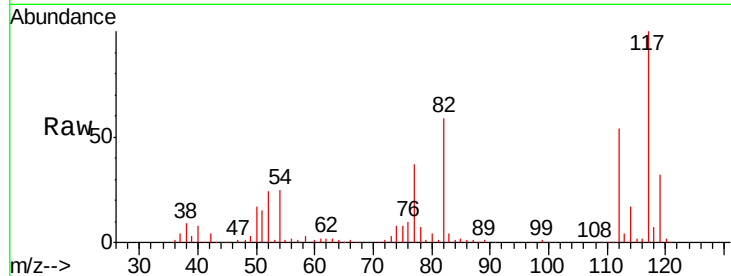




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

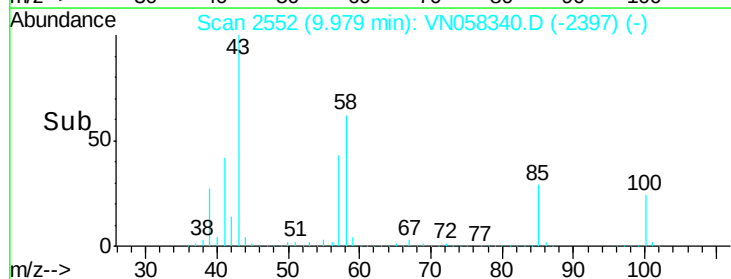
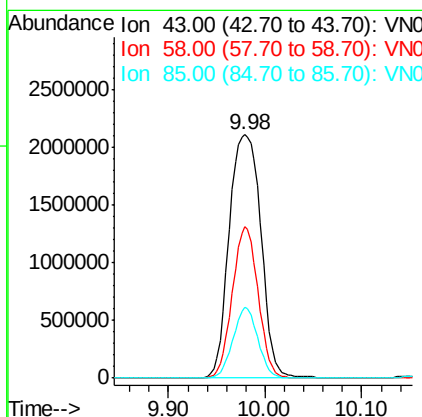
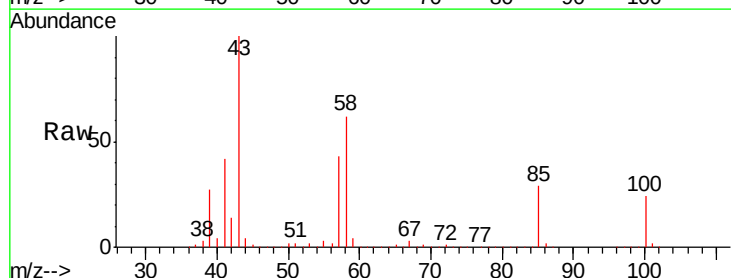
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

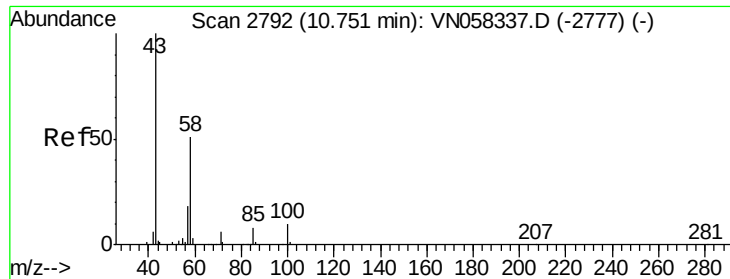
Tgt Ion: 117 Resp: 500577
Ion Ratio Lower Upper
117 100
82 59.3 46.4 69.6
119 31.4 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 615.044 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 43 Resp: 4814817
Ion Ratio Lower Upper
43 100
58 50.7 29.3 43.9#
85 22.9 13.1 19.7#

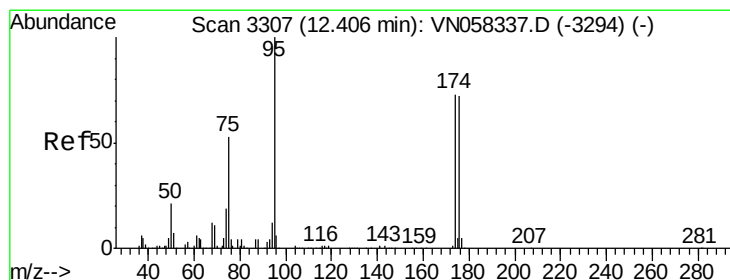
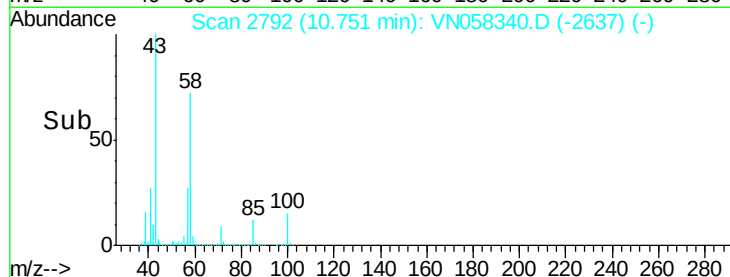
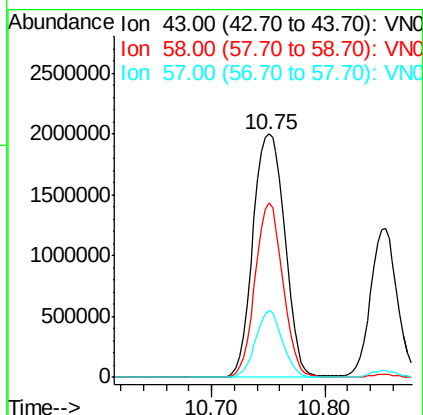
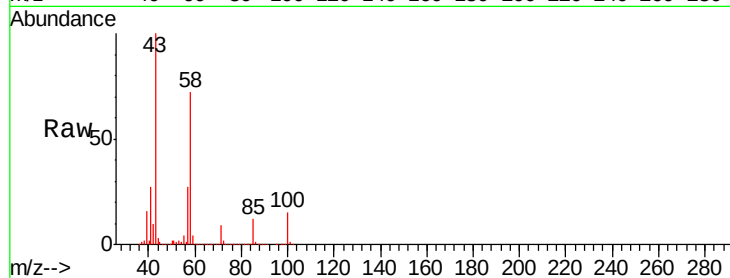




#59
2-Hexanone
Concen: 668.000 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

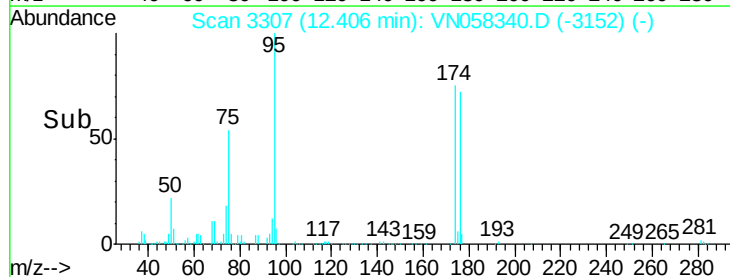
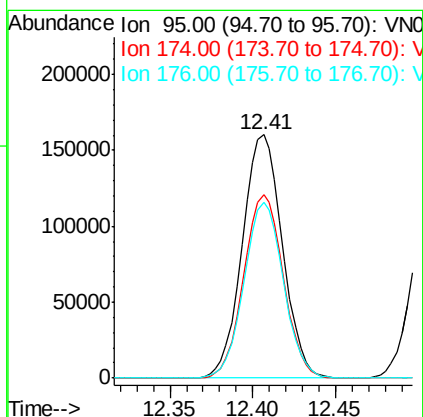
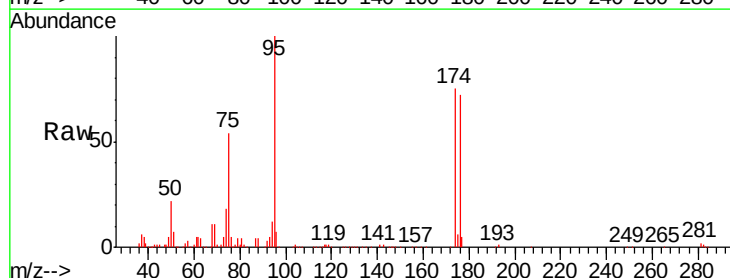
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

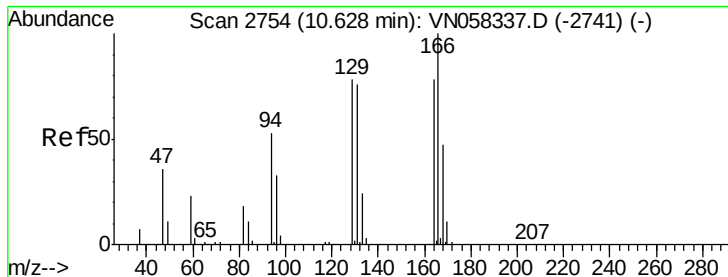
Tgt Ion: 43 Resp: 3927723
Ion Ratio Lower Upper
43 100
58 62.6 40.7 61.1#
57 23.2 14.7 22.1#



#60
4-Bromofluorobenzene
Concen: 31.284 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 95 Resp: 269200
Ion Ratio Lower Upper
95 100
174 74.5 59.0 88.6
176 71.1 58.2 87.2





#61

Tetrachloroethene

Concen: 158.156 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion:164 Resp: 813432

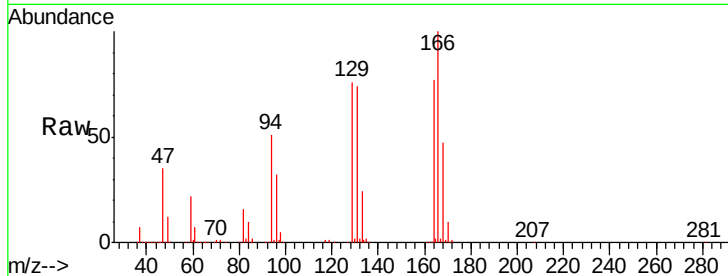
Ion Ratio Lower Upper

164 100

166 130.7 102.6 154.0

129 99.8 79.8 119.6

131 97.2 78.1 117.1

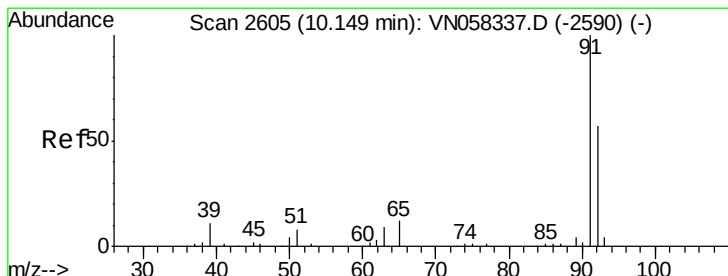
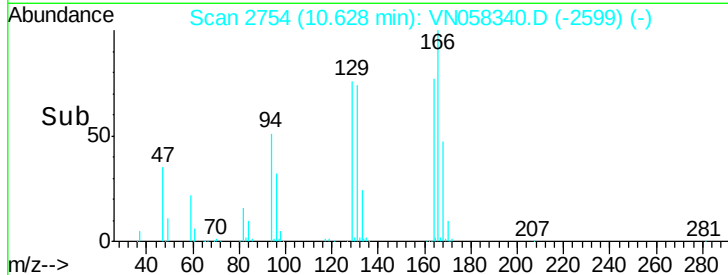
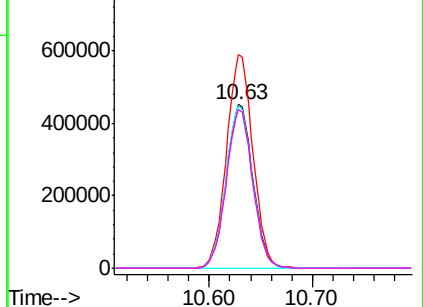


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 135.634 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058340.D

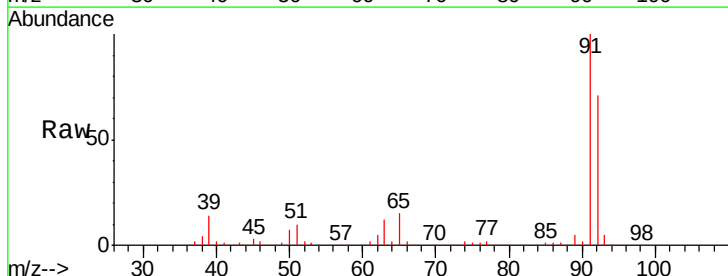
Acq: 24 Sep 2019 11:37

Tgt Ion: 91 Resp: 3772693

Ion Ratio Lower Upper

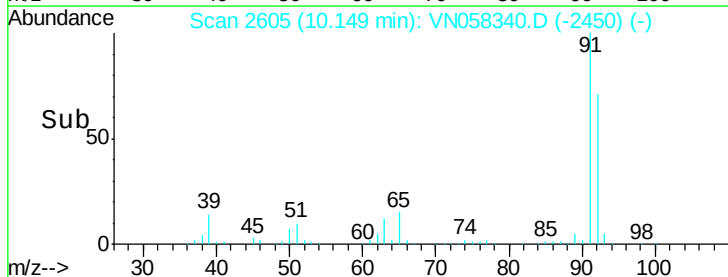
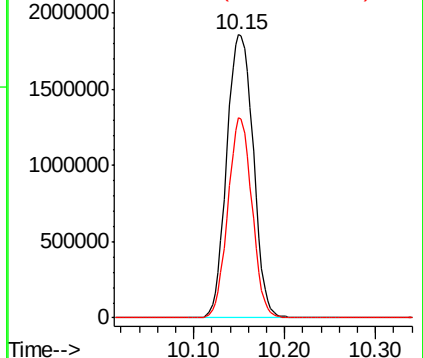
91 100

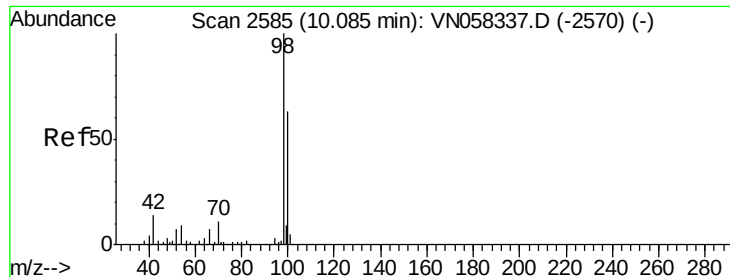
92 64.3 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.992 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

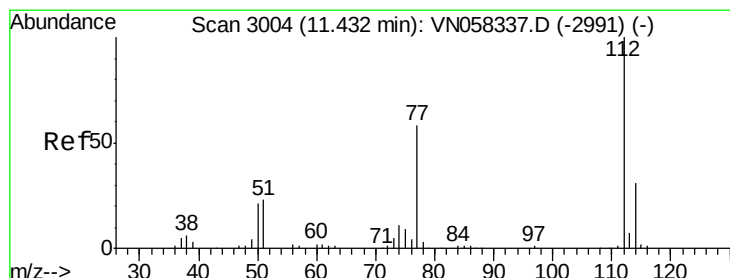
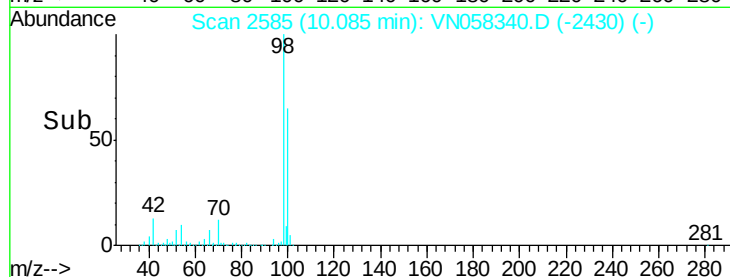
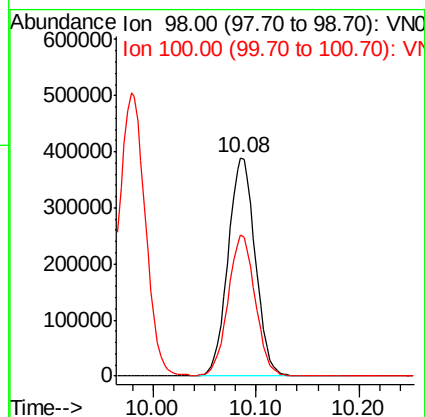
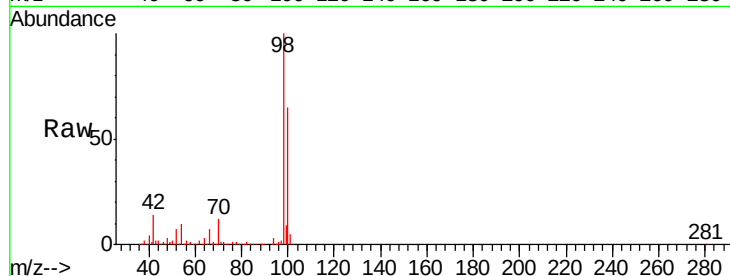
VSTDIC150

Tgt Ion: 98 Resp: 717300

Ion Ratio Lower Upper

98 100

100 64.4 50.2 75.2



#64

Chlorobenzene

Concen: 146.179 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058340.D

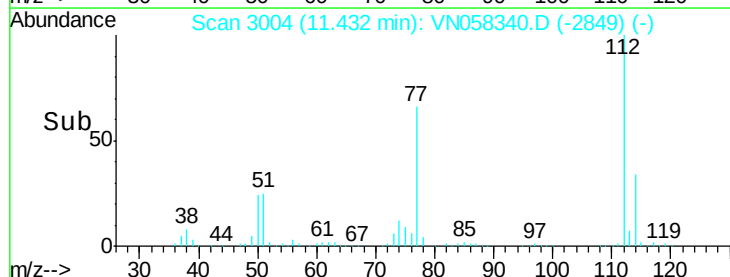
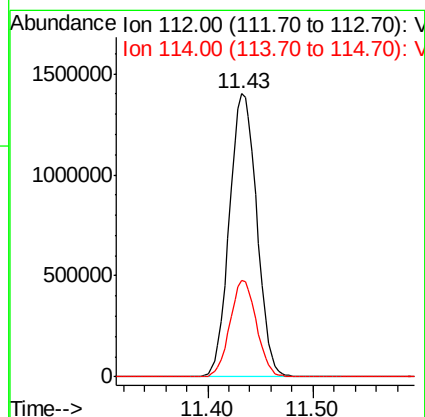
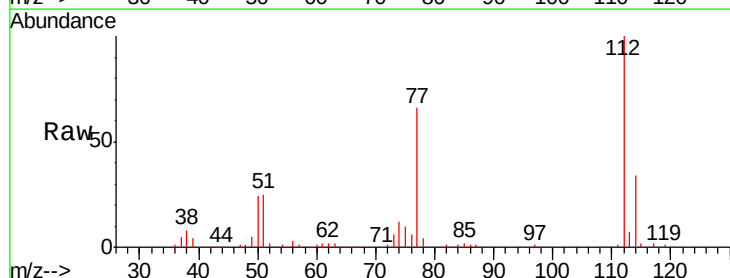
Acq: 24 Sep 2019 11:37

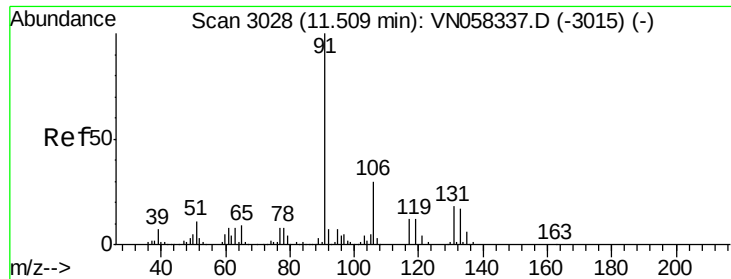
Tgt Ion: 112 Resp: 2520674

Ion Ratio Lower Upper

112 100

114 34.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 159.222 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

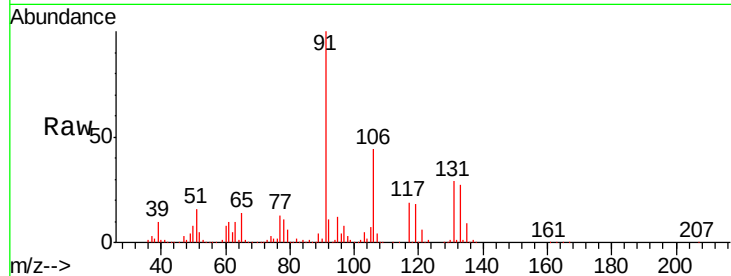
Tgt Ion:131 Resp: 956033

Ion Ratio Lower Upper

131 100

133 94.4 0.0 191.8

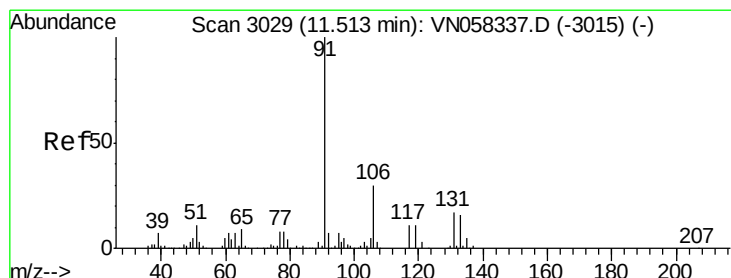
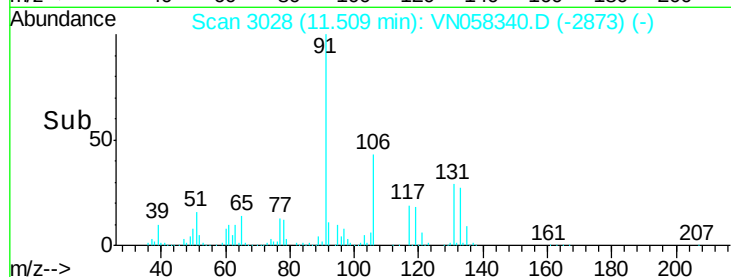
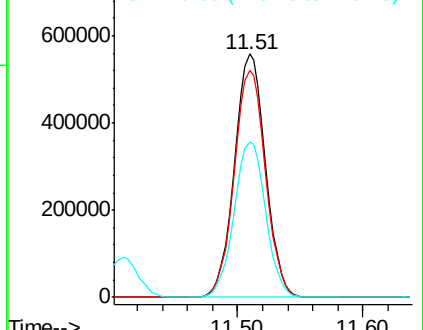
119 65.2 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 128.529 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058340.D

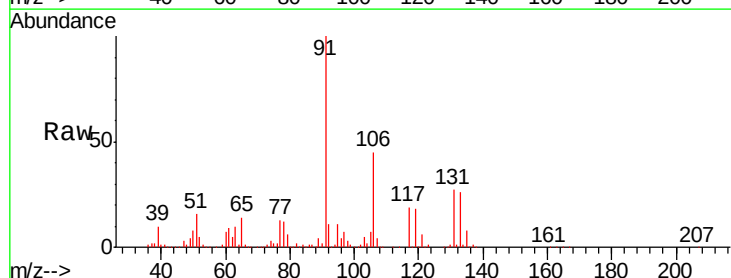
Acq: 24 Sep 2019 11:37

Tgt Ion: 91 Resp: 3912855

Ion Ratio Lower Upper

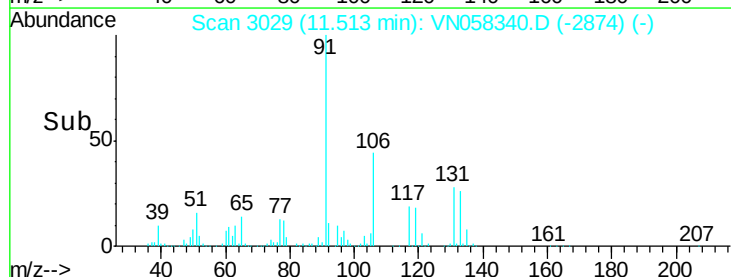
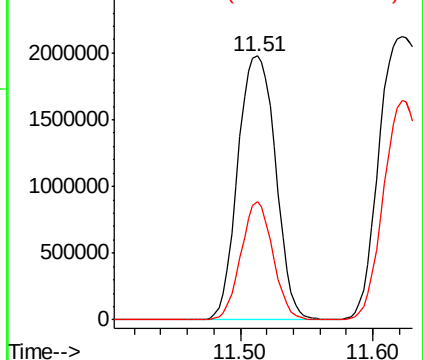
91 100

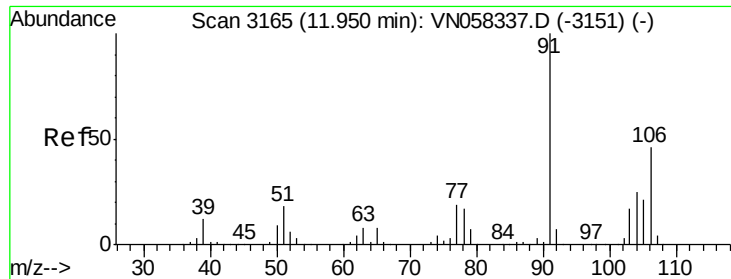
106 44.8 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

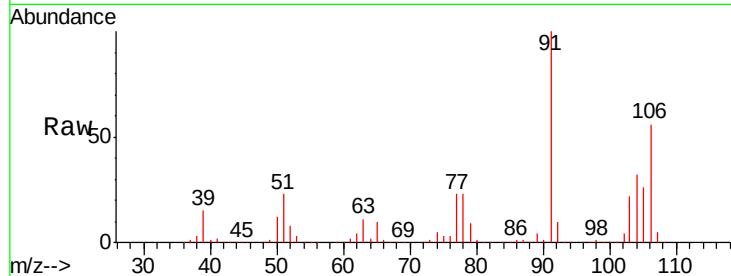




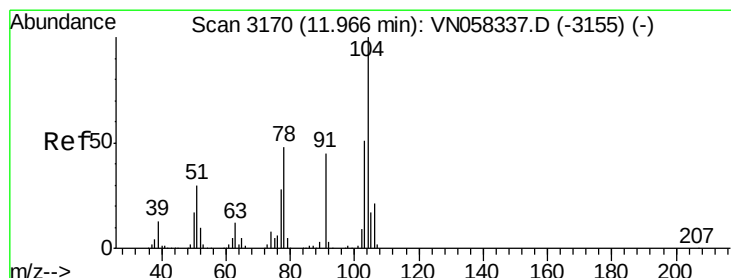
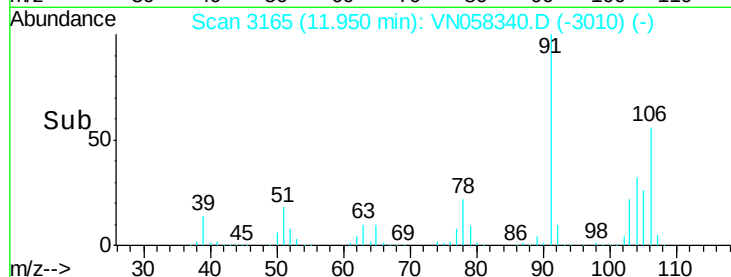
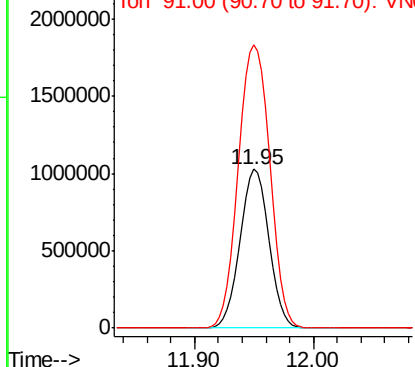
#68
o-Xylene
Concen: 151.848 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1732908
Ion Ratio Lower Upper
106 100
91 194.9 108.7 325.9

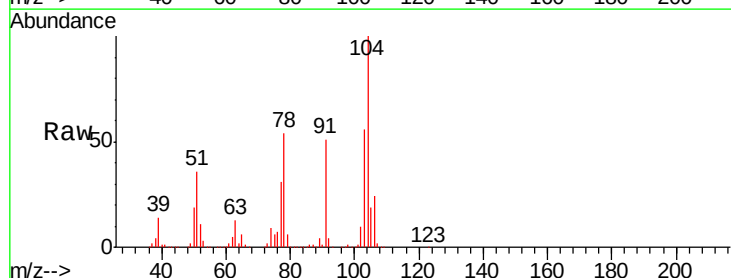


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

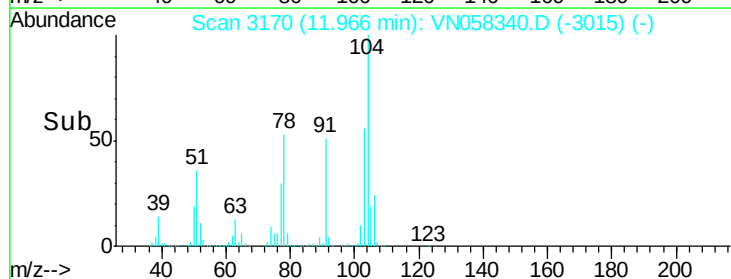
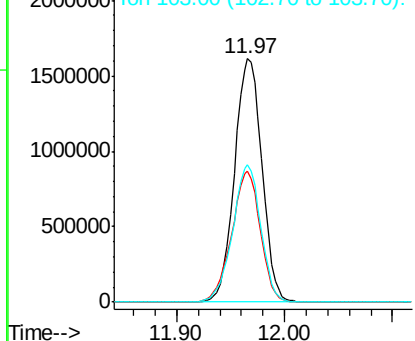


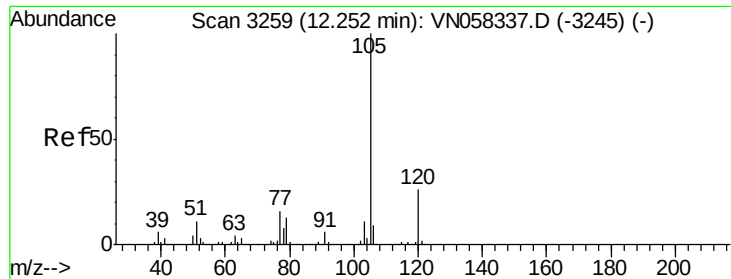
#69
Styrene
Concen: 147.936 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion:104 Resp: 2861183
Ion Ratio Lower Upper
104 100
78 56.1 42.3 63.5
103 57.7 44.1 66.1



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

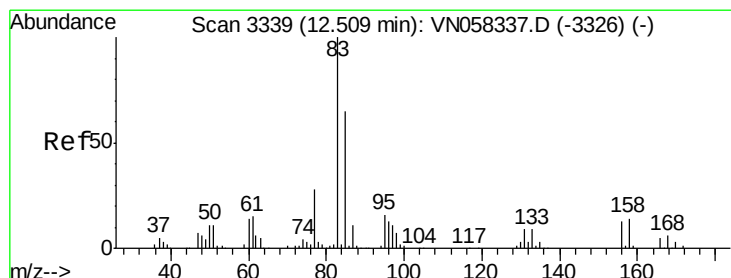
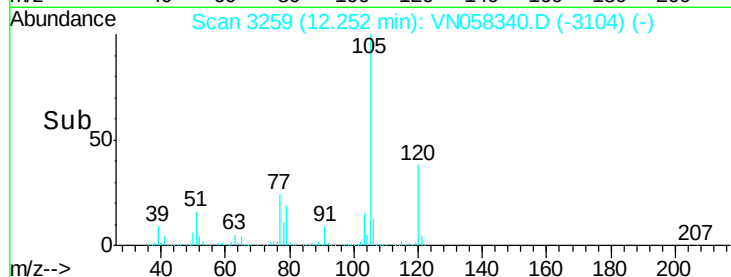
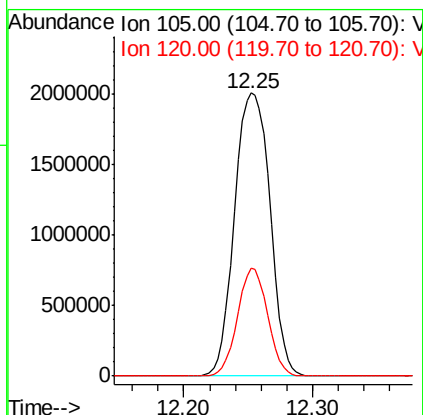
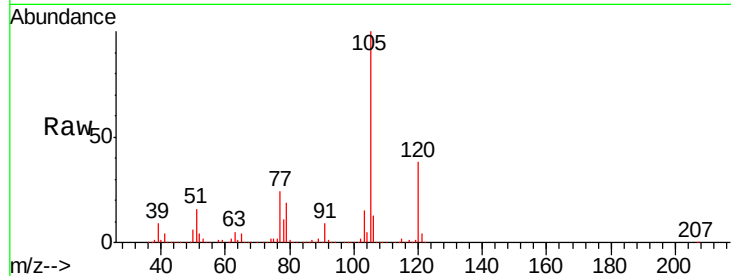




#70
Isopropylbenzene
Concen: 128.101 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

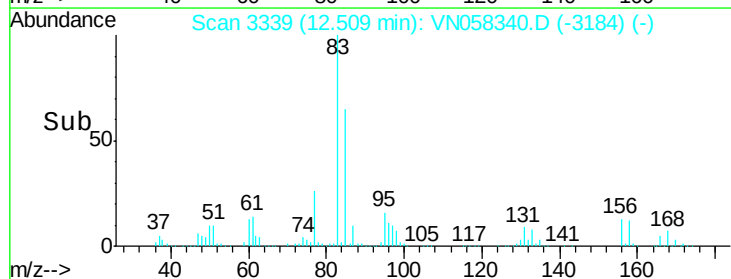
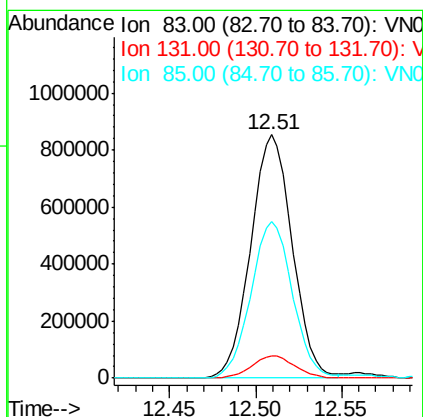
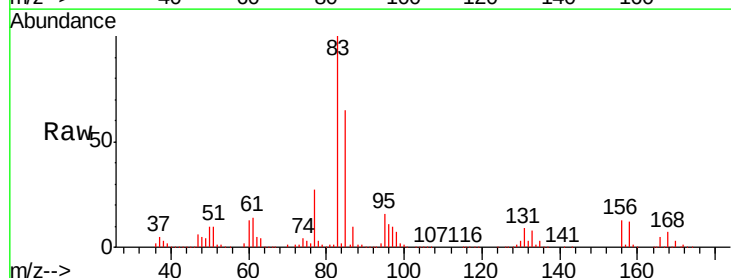
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

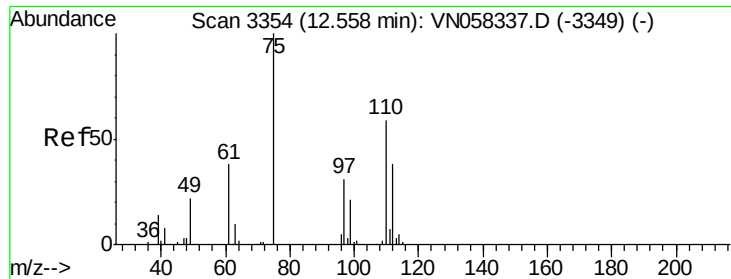
Tgt Ion:105 Resp: 3838043
Ion Ratio Lower Upper
105 100
120 32.5 18.2 33.8



#71
1,1,2,2-Tetrachloroethane
Concen: 152.379 ug/l
RT: 12.51 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 83 Resp: 1426491
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 64.3 32.6 97.7





#72

1,2,3-Trichloropropane

Concen: 224.431 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

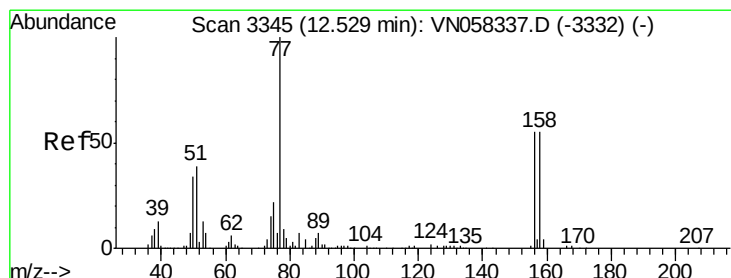
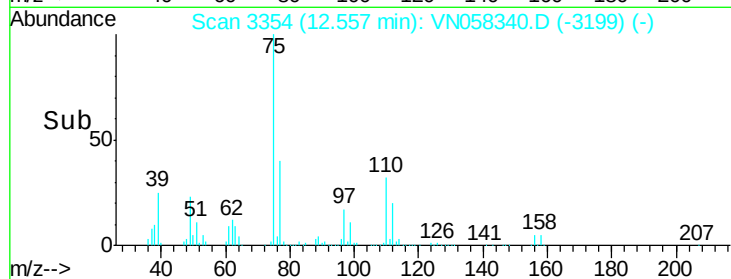
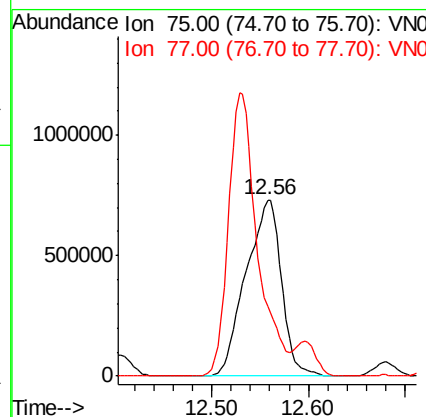
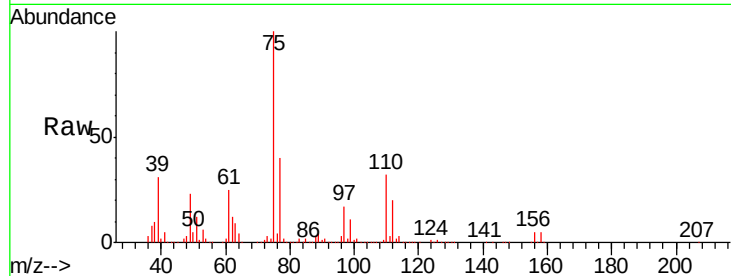
VSTDIC150

Tgt Ion: 75 Resp: 1864640

Ion Ratio Lower Upper

75 100

77 131.1 0.0 382.4



#73

Bromobenzene

Concen: 150.397 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

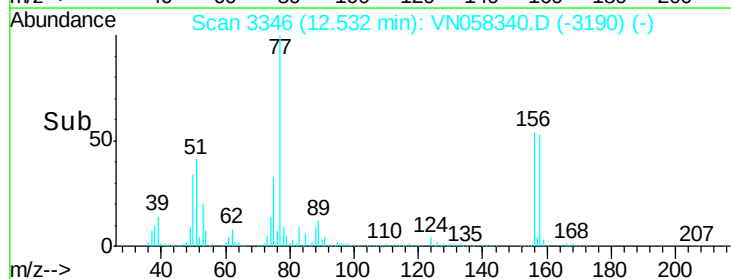
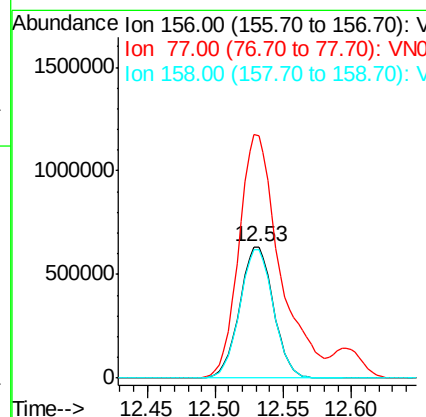
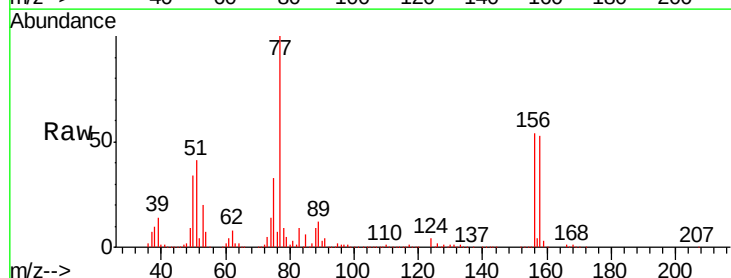
Tgt Ion: 156 Resp: 1087209

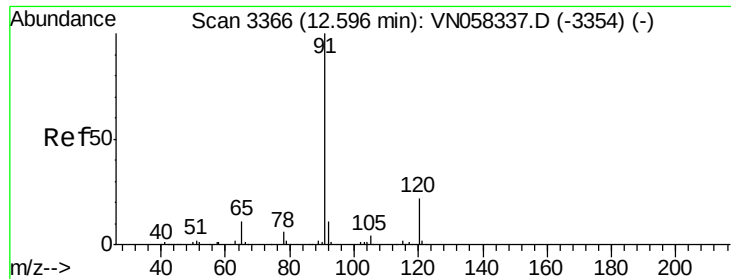
Ion Ratio Lower Upper

156 100

77 224.9 0.0 438.8

158 97.7 0.0 195.6





#74

n-propylbenzene

Concen: 121.994 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

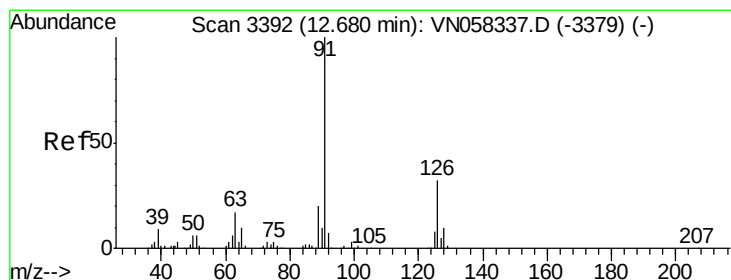
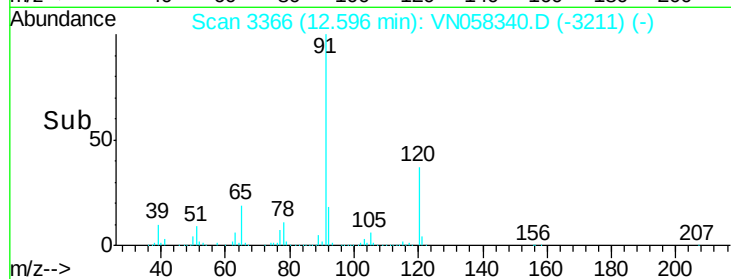
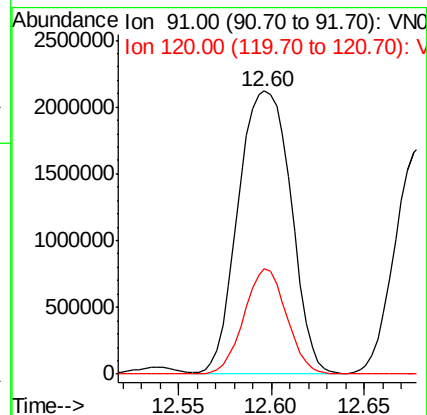
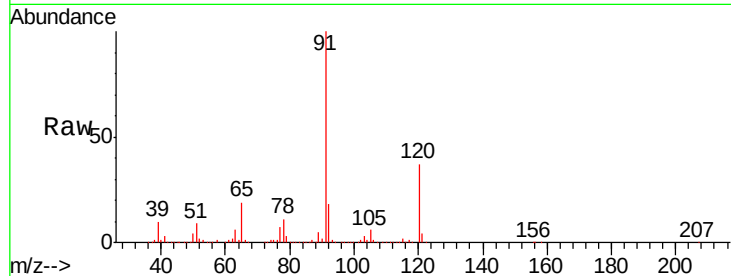
VSTDIC150

Tgt Ion: 91 Resp: 4185485

Ion Ratio Lower Upper

91 100

120 30.0 0.0 44.0



#75

2-Chlorotoluene

Concen: 142.765 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058340.D

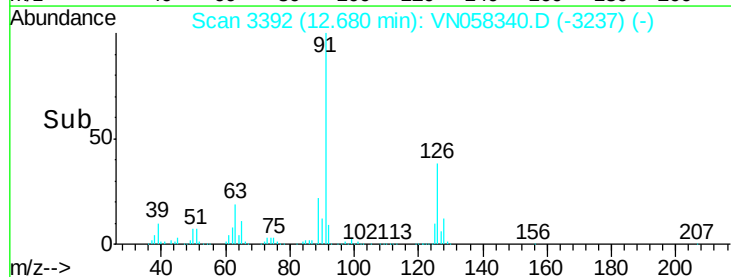
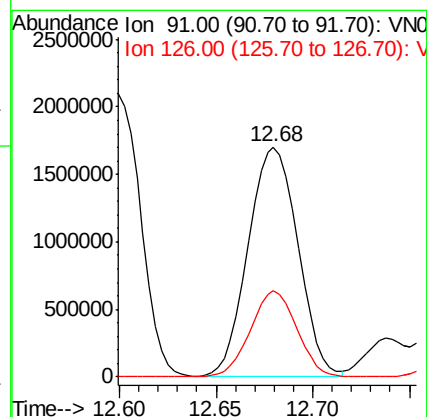
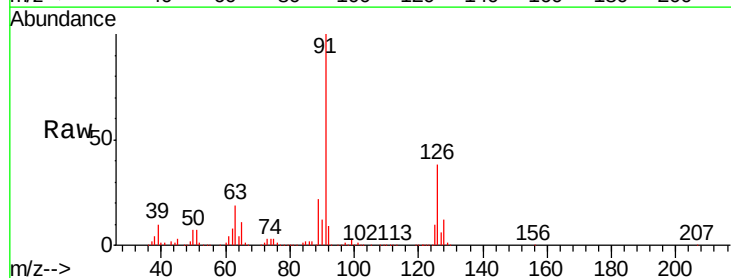
Acq: 24 Sep 2019 11:37

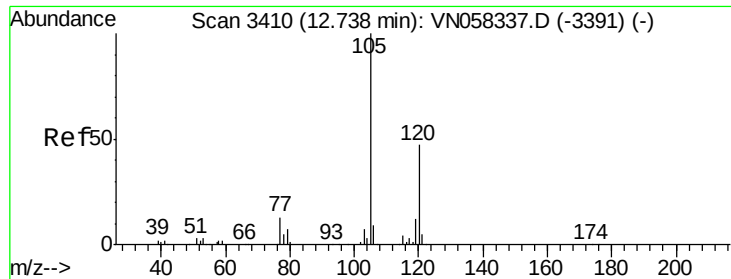
Tgt Ion: 91 Resp: 3057156

Ion Ratio Lower Upper

91 100

126 34.8 0.0 65.0

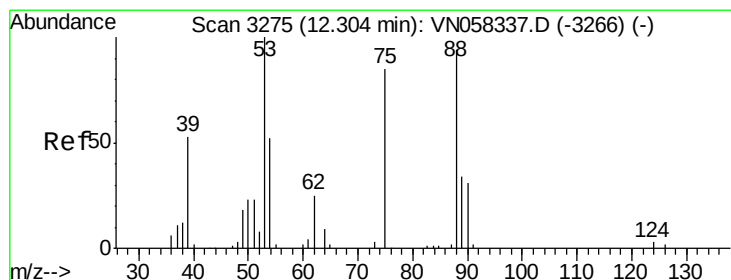
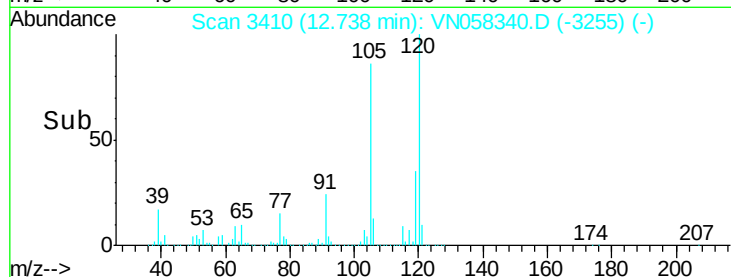
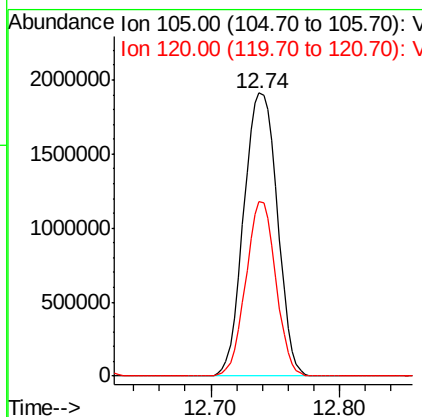
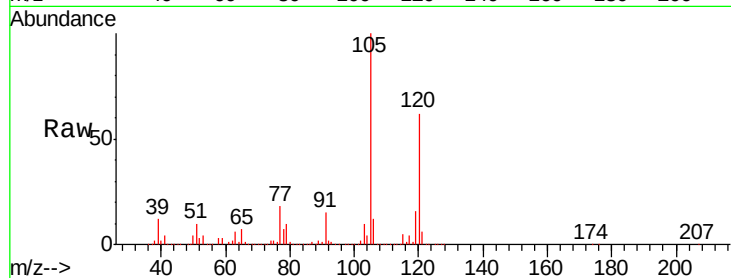




#76
 1,3,5-Trimethylbenzene
 Concen: 135.274 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

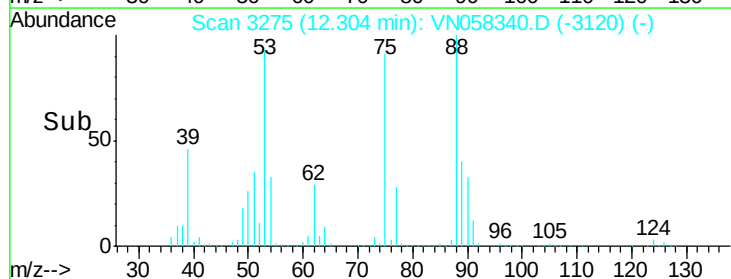
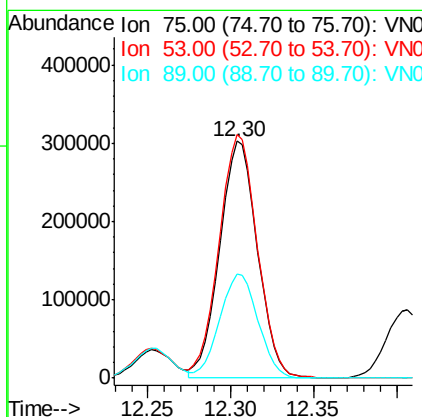
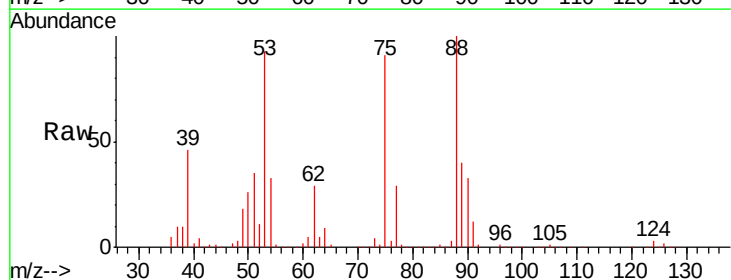
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

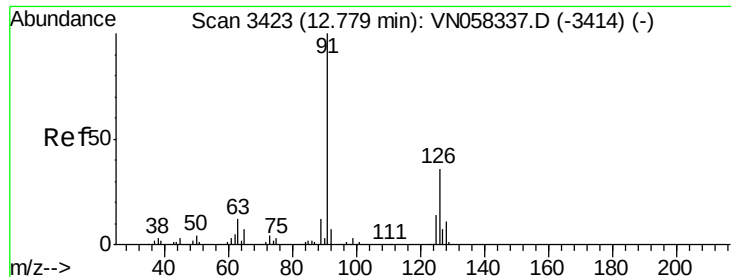
Tgt Ion:105 Resp: 3464035
 Ion Ratio Lower Upper
 105 100
 120 55.1 0.0 94.4



#77
 t-1,4-Dichloro-2-butene
 Concen: 190.505 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 75 Resp: 479800
 Ion Ratio Lower Upper
 75 100
 53 102.8 59.0 176.8
 89 44.1 21.6 65.0





#78

4-Chlorotoluene

Concen: 143.202 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

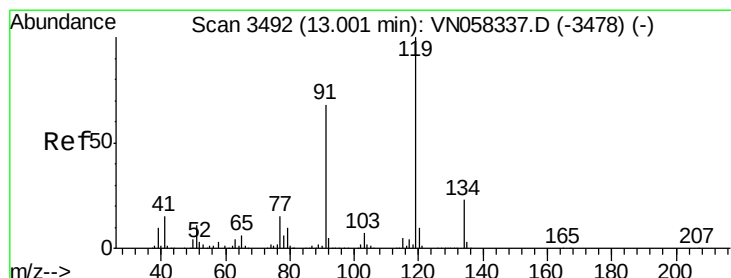
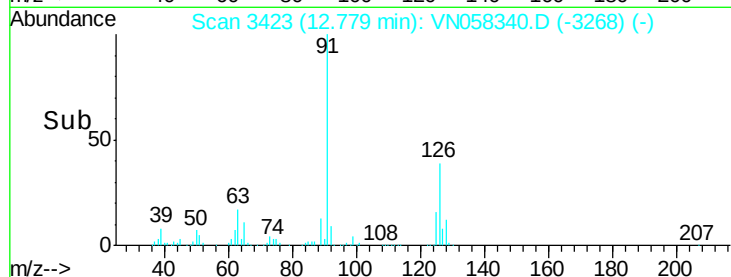
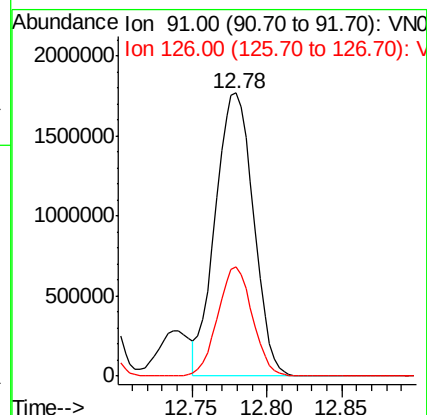
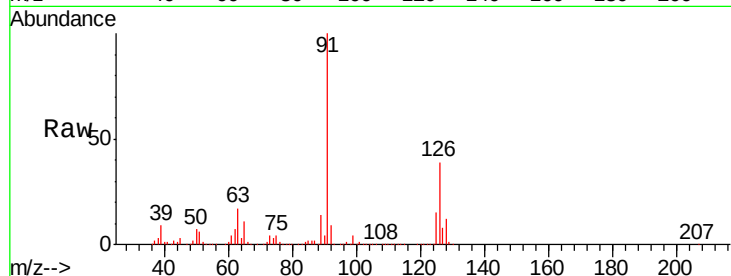
VSTDIC150

Tgt Ion: 91 Resp: 3141949

Ion Ratio Lower Upper

91 100

126 35.0 0.0 63.8



#79

tert-butylbenzene

Concen: 143.167 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

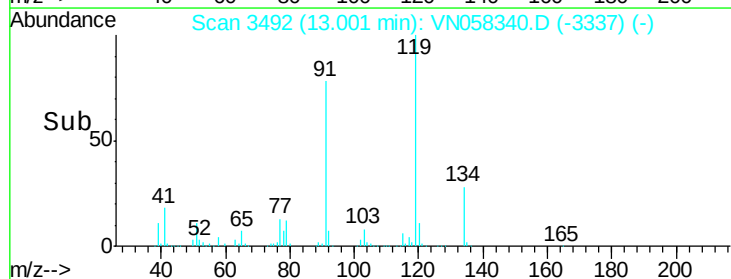
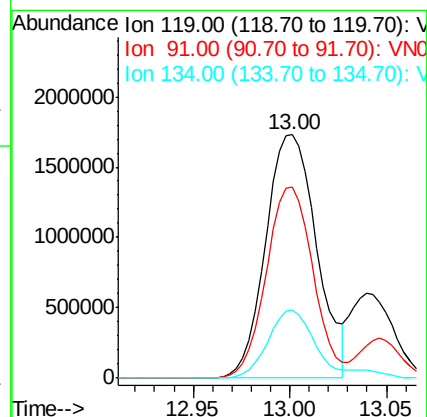
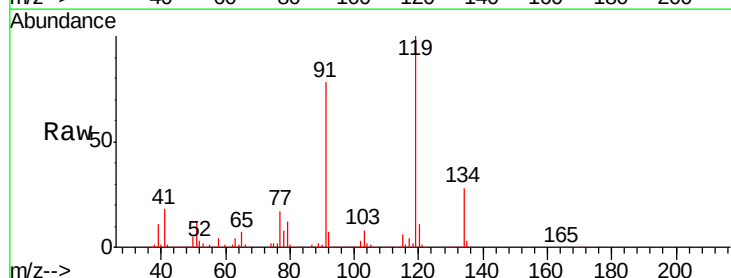
Tgt Ion: 119 Resp: 3176811

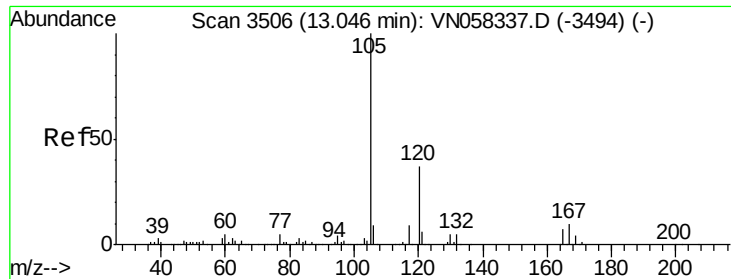
Ion Ratio Lower Upper

119 100

91 71.8 0.0 138.2

134 25.4 0.0 46.8

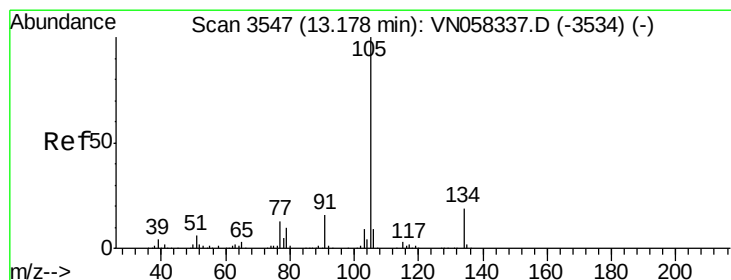
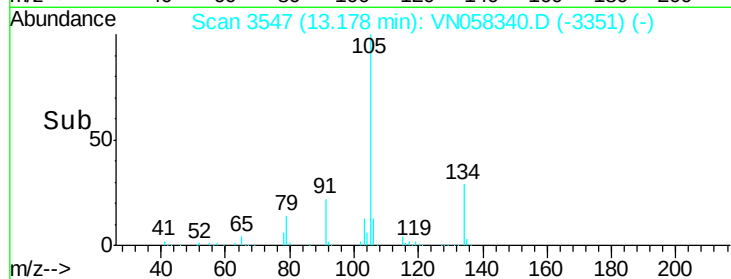
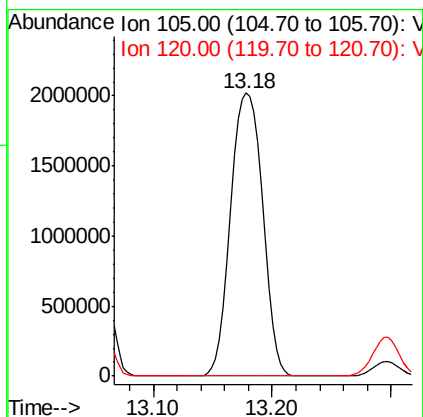
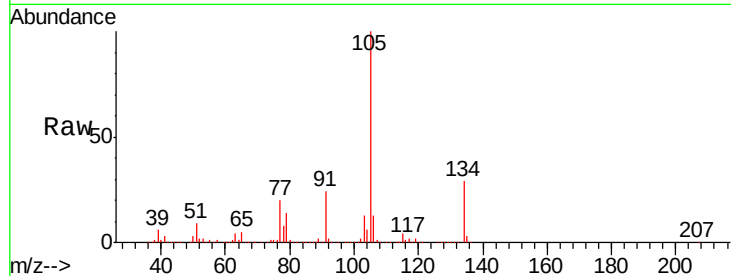




#80
 1,2,4-Trimethylbenzene
 Concen: 148.063 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.13 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

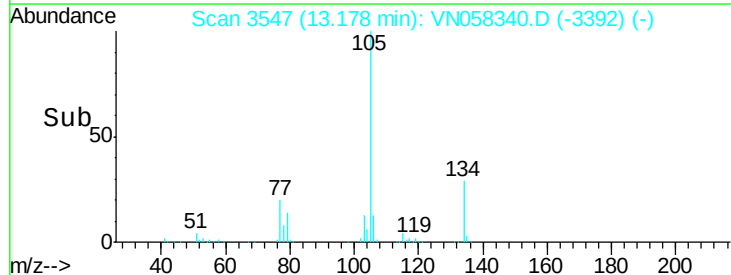
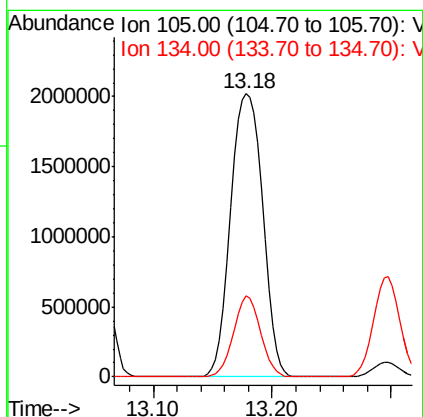
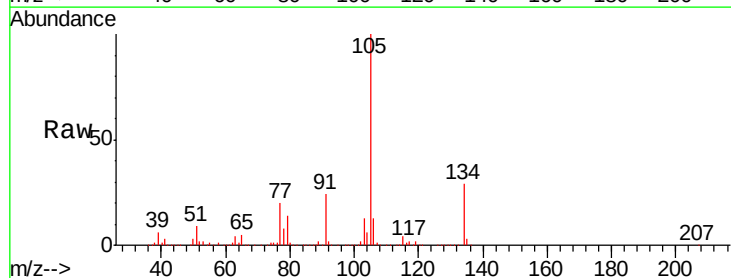
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

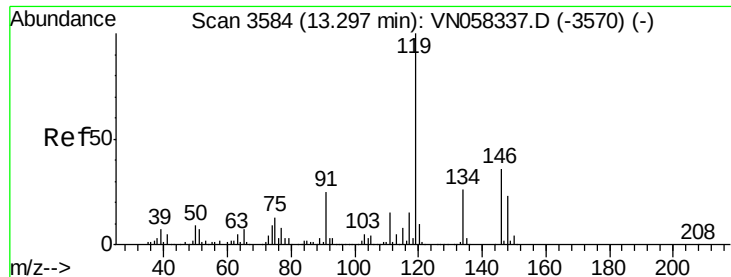
Tgt Ion:105 Resp: 3786169
 Ion Ratio Lower Upper
 105 100
 120 0.2 0.0 86.6



#81
 sec-Butylbenzene
 Concen: 127.627 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion:105 Resp: 3786169
 Ion Ratio Lower Upper
 105 100
 134 24.0 0.0 38.2





#82

p-Isopropyltoluene

Concen: 131.542 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

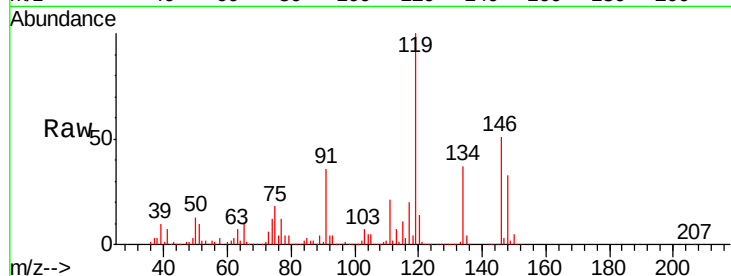
Tgt Ion:119 Resp: 3479986

Ion Ratio Lower Upper

119 100

134 31.6 0.0 51.6

91 30.7 0.0 49.6

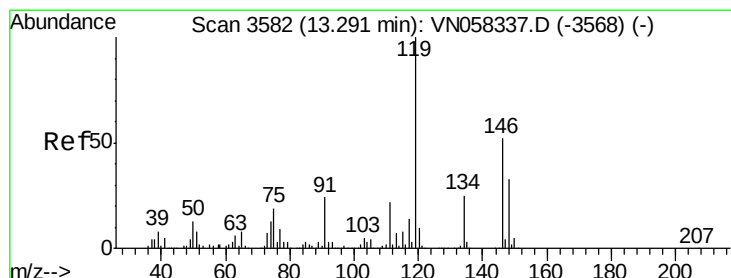
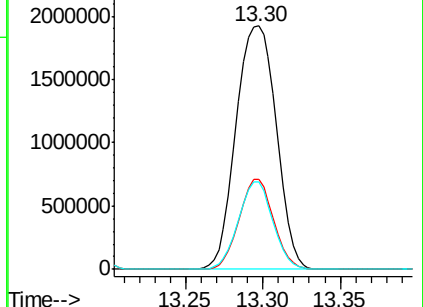
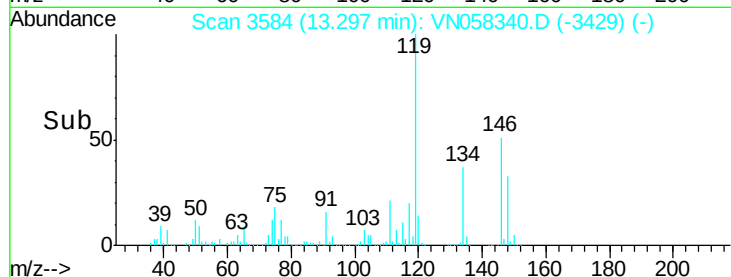


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#83

1,3-Dichlorobenzene

Concen: 151.857 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

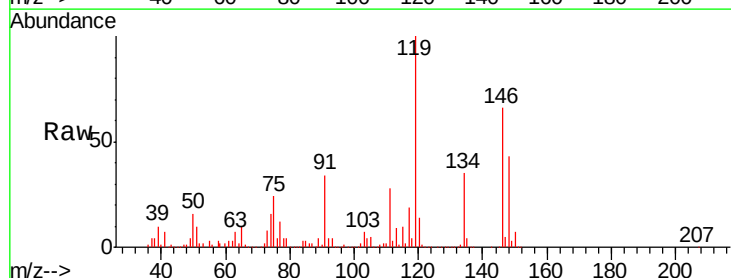
Tgt Ion:146 Resp: 2029429

Ion Ratio Lower Upper

146 100

111 42.3 20.9 62.8

148 64.5 32.0 96.2

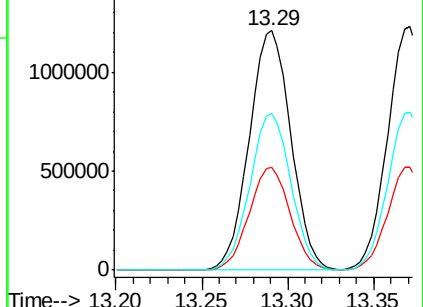
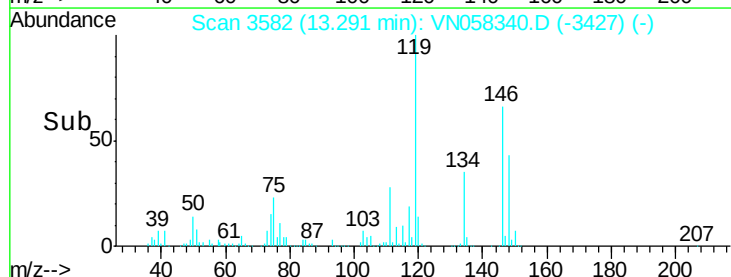


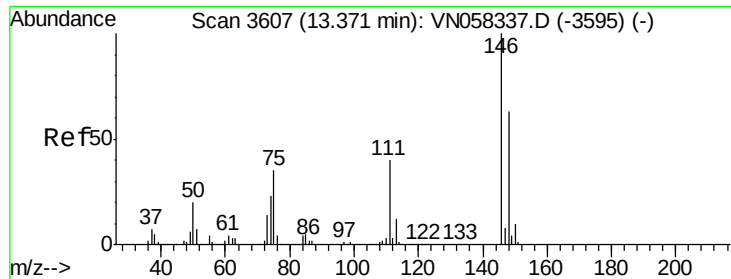
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

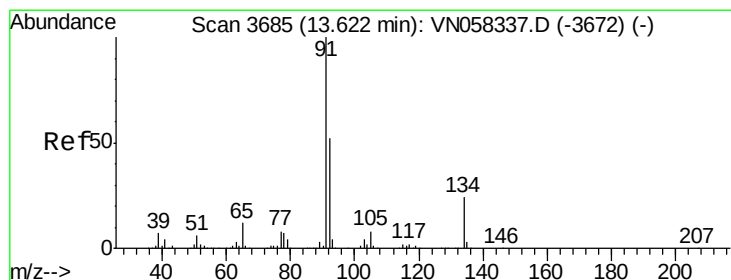
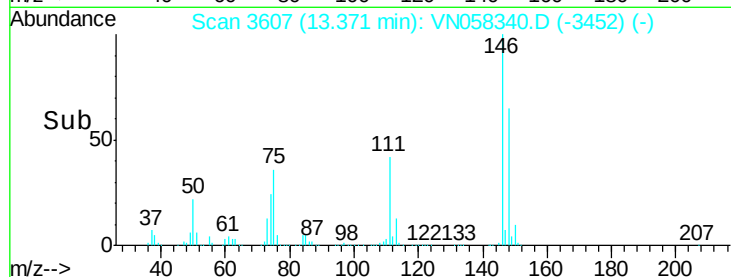
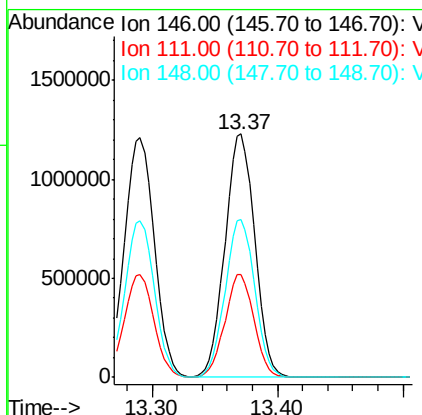
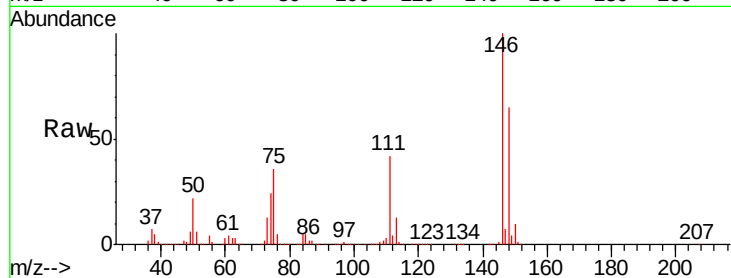




#84
 1,4-Dichlorobenzene
 Concen: 153.554 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

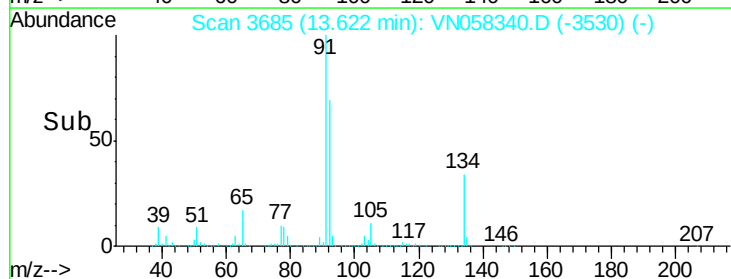
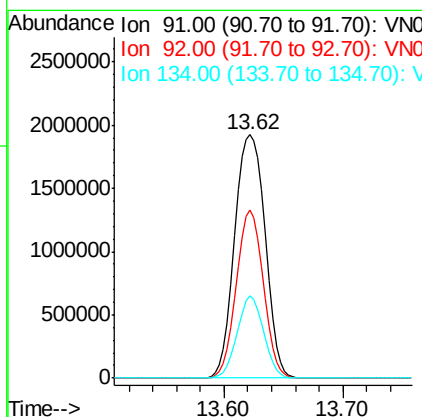
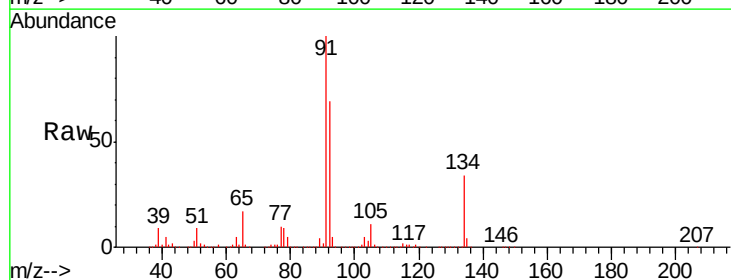
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

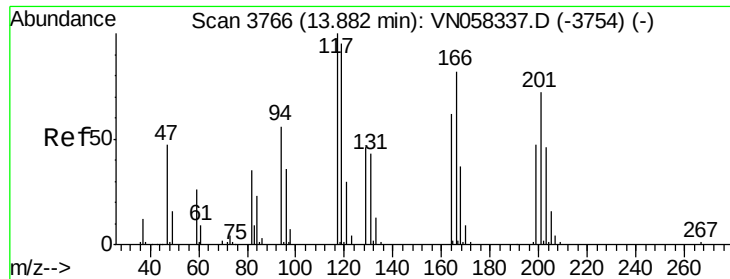
Tgt Ion:146 Resp: 2025976
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.3
 148 64.5 31.9 95.7



#85
 n-Butylbenzene
 Concen: 139.190 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 91 Resp: 3422661
 Ion Ratio Lower Upper
 91 100
 92 61.1 0.0 102.6
 134 29.2 0.0 47.8





#86

Hexachloroethane

Concen: 170.882 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

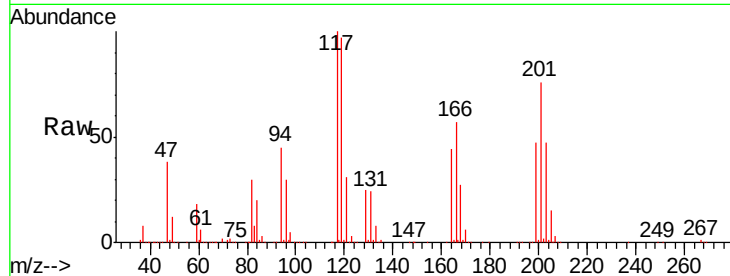
VSTDIC150

Tgt Ion:117 Resp: 727419

Ion Ratio Lower Upper

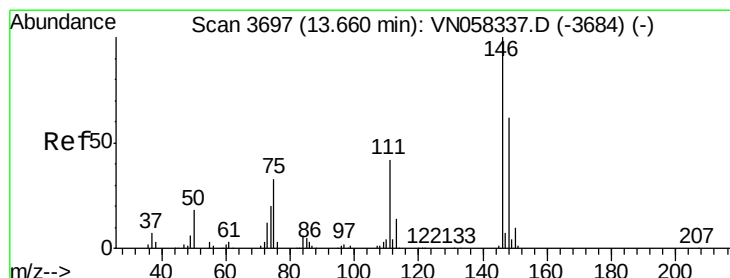
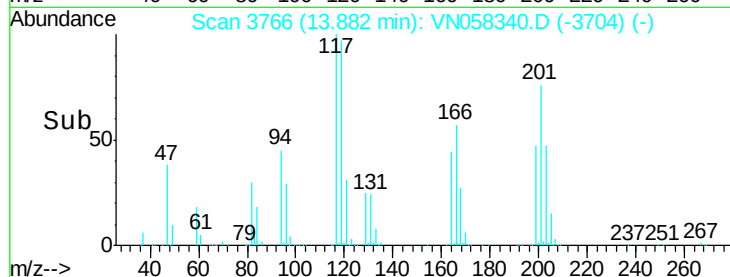
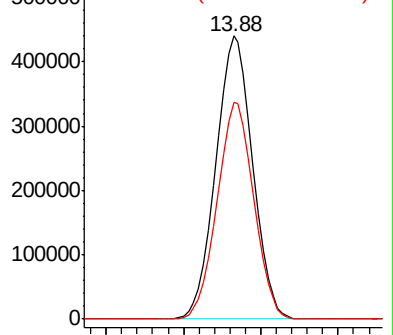
117 100

201 76.5 37.2 111.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 151.192 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

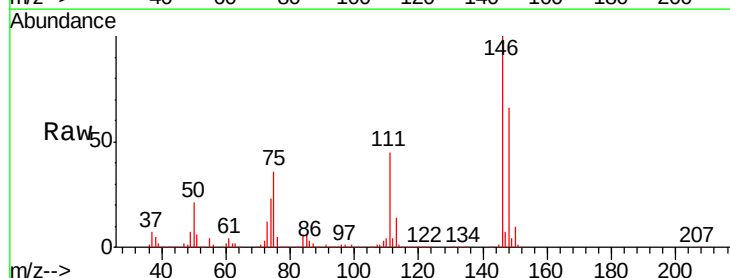
Tgt Ion:146 Resp: 1969084

Ion Ratio Lower Upper

146 100

111 44.0 21.1 63.3

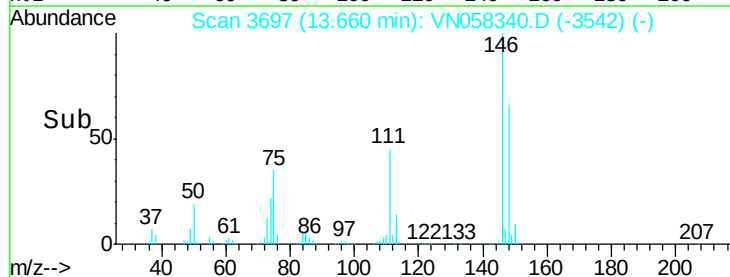
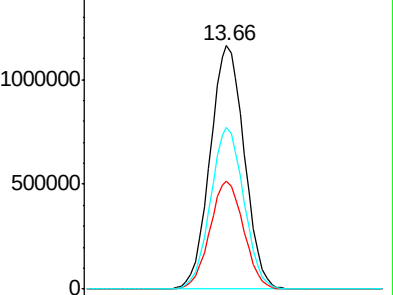
148 64.8 31.9 95.7

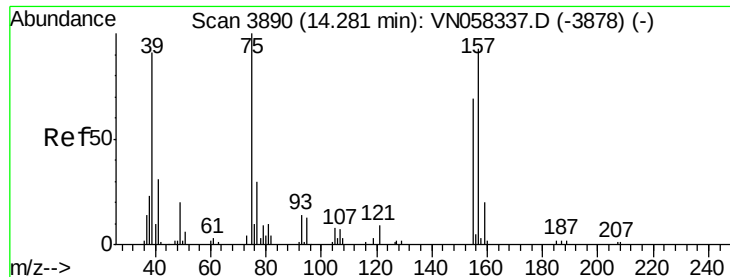


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 184.044 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

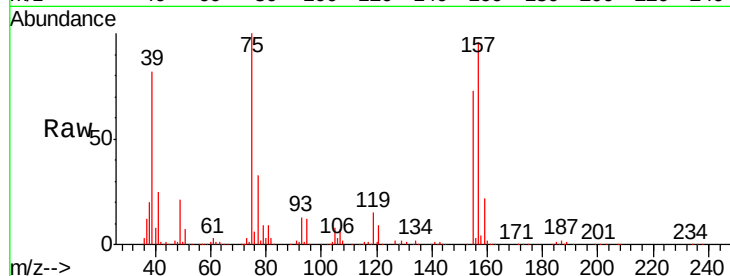
Tgt Ion: 75 Resp: 309425

Ion Ratio Lower Upper

75 100

155 74.4 58.5 87.7

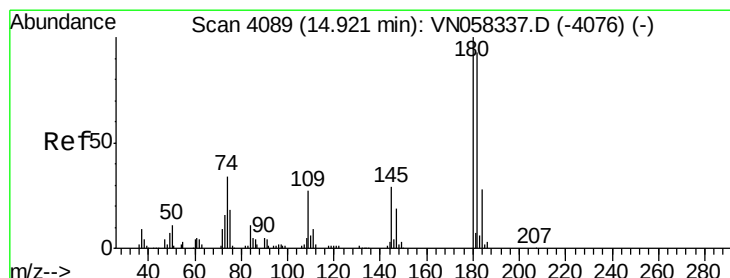
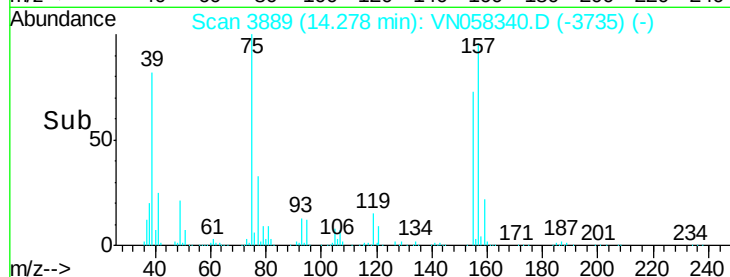
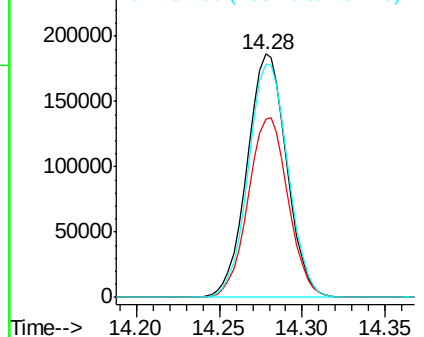
157 96.5 75.4 113.2



Abundance Ion 75.00 (74.70 to 75.70): VN058337.D (-3878) (-)

Ion 155.00 (154.70 to 155.70): VN058337.D (-3878) (-)

Ion 157.00 (156.70 to 157.70): VN058337.D (-3878) (-)



#89

1,2,4-Trichlorobenzene

Concen: 170.849 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

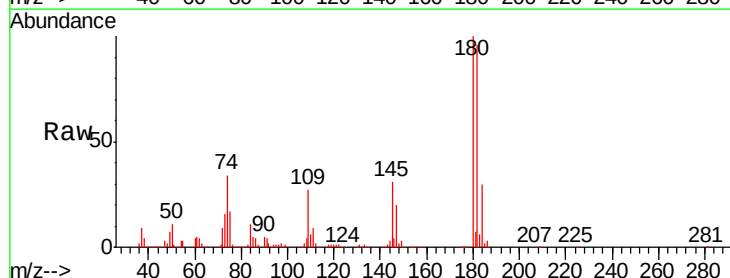
Tgt Ion: 180 Resp: 1364065

Ion Ratio Lower Upper

180 100

182 96.4 75.2 112.8

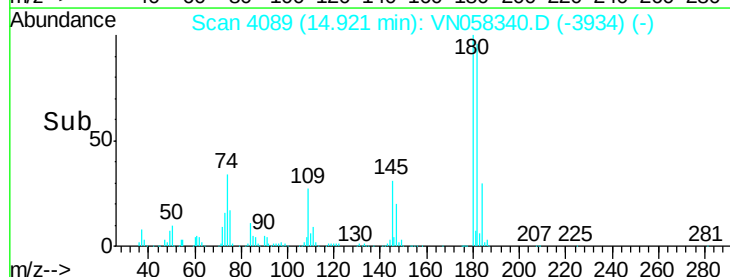
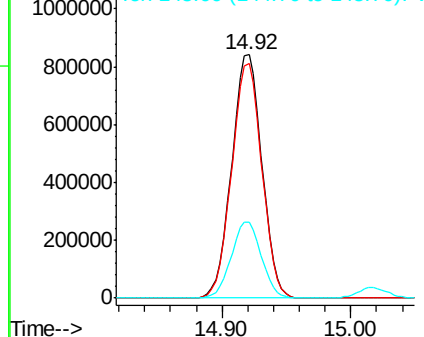
145 31.1 25.1 37.7

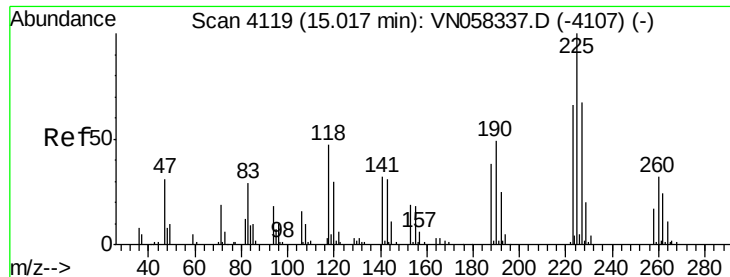


Abundance Ion 180.00 (179.70 to 180.70): VN058337.D (-4076) (-)

Ion 182.00 (181.70 to 182.70): VN058337.D (-4076) (-)

Ion 145.00 (144.70 to 145.70): VN058337.D (-4076) (-)





#90

Hexachlorobutadiene

Concen: 172.070 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

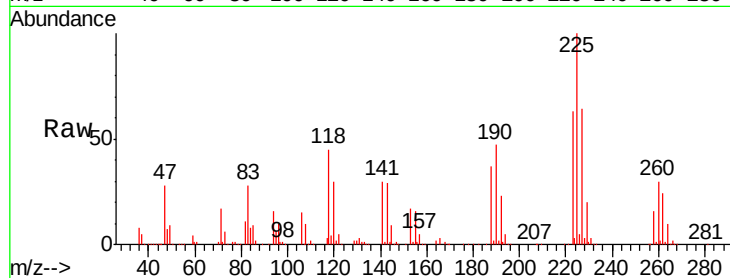
Tgt Ion:225 Resp: 634977

Ion Ratio Lower Upper

225 100

223 63.2 0.0 132.6

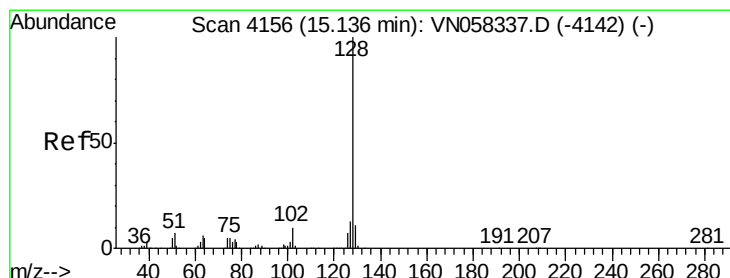
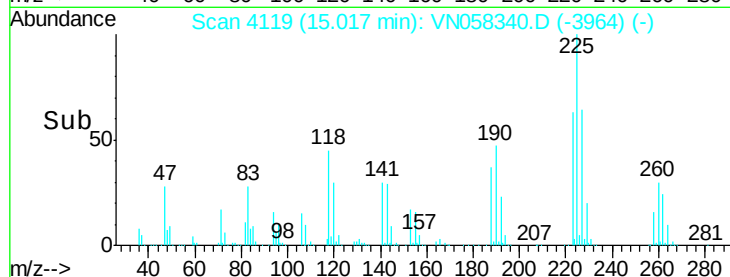
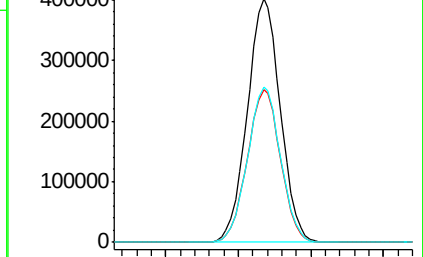
227 63.7 0.0 129.2



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 156.150 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

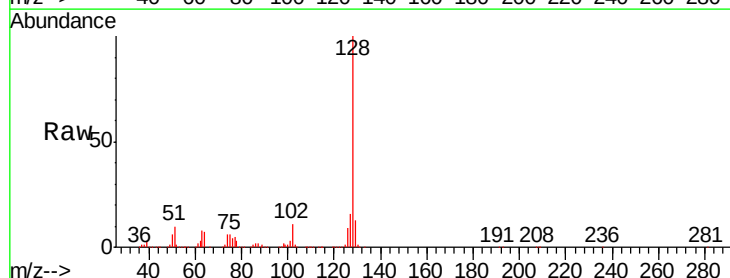
Tgt Ion:128 Resp: 3410047

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

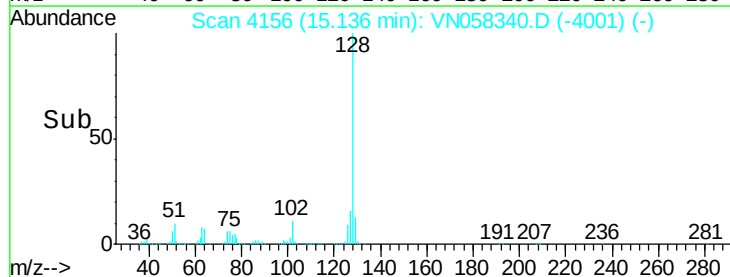
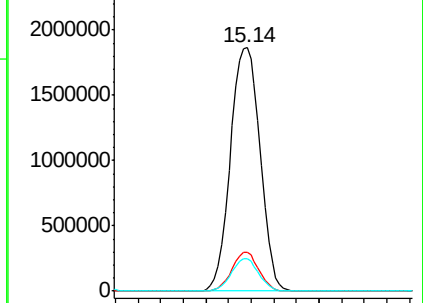
129 12.2 8.6 13.0

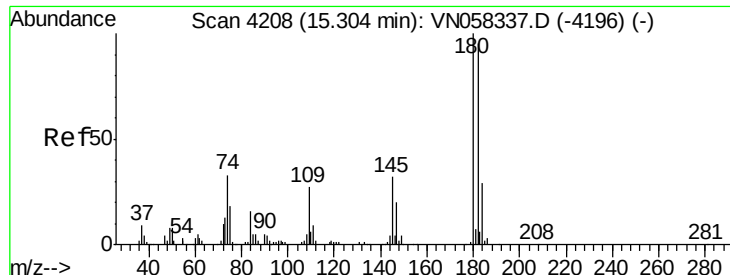


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

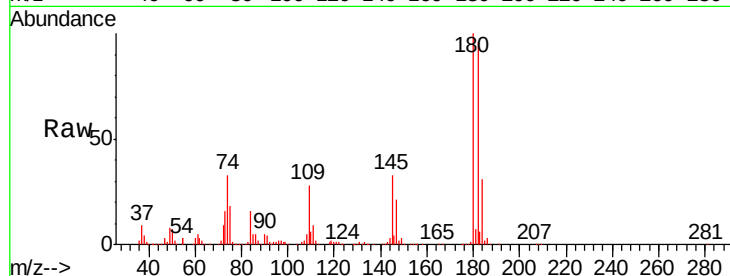




#92
 1,2,3-Trichlorobenzene
 Concen: 169.717 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1288184
 Ion Ratio Lower Upper
 180 100
 182 96.0 0.0 189.4
 145 32.5 0.0 64.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

