

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056890.D
 Acq On : 23 Jul 2019 20:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 24 02:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	61406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	344063	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	312213	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	121549	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	148736	31.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.53%
63) Toluene-d8	10.09	98	425976	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	575246	164.866	ug/l 97
3) Chloromethane	2.06	50	684521	148.885	ug/l 100
4) Vinyl Chloride	2.18	62	669460	148.556	ug/l 100
5) Bromomethane	2.54	94	393338	138.812	ug/l 100
6) Chloroethane	2.69	64	363651	141.701	ug/l 99
7) Trichlorofluoromethane	3.01	101	797415	139.878	ug/l 99
8) Diethyl Ether	3.40	74	301894	130.310	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	495004	139.049	ug/l 99
10) 1,1-Dichloroethene	3.72	96	506578	143.156	ug/l 99
11) Methyl Iodide	3.94	142	793256	165.526	ug/l 98
12) Methyl Acetate	4.33	43	498763	106.134	ug/l 96
13) Acrolein	3.60	56	338880	912.180	ug/l 98
14) Acrylonitrile	4.99	53	1188929	587.699	ug/l 100
15) Acetone	3.82	58	296421	460.359	ug/l 93
16) Carbon Disulfide	4.04	76	1430831	152.683	ug/l 99
17) Allyl chloride	4.31	41	858884	139.818	ug/l 97
18) Methylene Chloride	4.54	84	576272	138.771	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	534826	141.975	ug/l 95
20) Diisopropyl ether	5.96	45	1698214	137.904	ug/l 94
21) 1,1-Dichloroethane	5.84	63	970398	137.584	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	617860	139.682	ug/l 99
23) tert-Butyl Alcohol	4.81	59	395981	555.996	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1539504	137.737	ug/l 97
25) Chloroform	7.37	83	953549	139.296	ug/l 98
26) Cyclohexane	7.65	56	935485	144.225	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	750372	141.859	ug/l 98
30) 2-Butanone	6.84	43	1462931	509.387	ug/l 100
31) 2,2-Dichloropropane	6.82	77	680567	133.302	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	807097	141.796	ug/l 99
33) Carbon Tetrachloride	7.77	117	723245	147.748	ug/l 99
34) Benzene	8.04	78	2263300	138.117	ug/l # 91
35) Methacrylonitrile	7.17	41	312996	130.195	ug/l 97
36) 1,2-Dichloroethane	8.12	62	697637	133.375	ug/l 99
37) Trichloroethene	8.83	130	615798	139.033	ug/l 97
38) Methylcyclohexane	9.08	83	961898	144.336	ug/l 99
39) 1,2-Dichloropropane	9.12	63	610294	139.074	ug/l 100
40) Dibromomethane	9.21	93	372240	133.788	ug/l 99

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC150

Quant Time: Jul 24 02:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	746307	144.693	ug/l	97
42) Vinyl Acetate	5.90	43	6731588	667.465	ug/l	100
43) Ethyl Acetate	6.93	43	608478	114.274	ug/l	98
44) Isopropyl Acetate	8.17	43	1026577	121.003	ug/l #	86
45) 1,4-Dioxane	9.20	88	191443	2284.881	ug/l	95
46) Methyl methacrylate	9.20	41	513137	126.220	ug/l	98
47) n-amyl Acetate	12.07	43	907618	131.903	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	824093	146.472	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	933987	146.270	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	535604	131.537	ug/l	99
51) Ethyl methacrylate	10.43	69	826720	133.976	ug/l	98
52) 1,3-Dichloropropane	10.71	76	912866	135.049	ug/l	100
53) Dibromochloromethane	10.90	129	606748	147.269	ug/l	99
54) 1,2-Dibromoethane	11.00	107	567329	135.155	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	1794461	611.161	ug/l	99
56) Bromoform	12.12	173	435007	144.158	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	2993963	539.698	ug/l	98
59) 2-Hexanone	10.75	43	2133197	520.787	ug/l	99
61) Tetrachloroethene	10.63	164	596168	133.821	ug/l	99
62) Toluene	10.15	91	2444493	136.090	ug/l	100
64) Chlorobenzene	11.43	112	1529435	139.760	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	573153	141.615	ug/l	99
66) Ethyl Benzene	11.51	91	2720692	140.984	ug/l	100
67) m/p-Xylenes	11.62	106	2035880	280.338	ug/l	99
68) o-Xylene	11.95	106	986258	138.384	ug/l	100
69) Styrene	11.96	104	1697267	144.555	ug/l	100
70) Isopropylbenzene	12.25	105	2630623	141.128	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	712441	119.890	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	892528	176.541	ug/l	68
73) Bromobenzene	12.53	156	694604	142.994	ug/l	100
74) n-propylbenzene	12.59	91	3015312	145.229	ug/l	100
75) 2-Chlorotoluene	12.67	91	1758560	139.626	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2209065	139.875	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	230323	137.059	ug/l	91
78) 4-Chlorotoluene	12.77	91	1786273	147.059	ug/l	100
79) tert-butylbenzene	12.99	119	1909472	141.474	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2186731	139.377	ug/l	98
81) sec-Butylbenzene	13.17	105	2533169	142.452	ug/l	100
82) p-Isopropyltoluene	13.29	119	2331761	144.651	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1166789	145.903	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1143879	149.934	ug/l	99
85) n-Butylbenzene	13.61	91	1981230	150.444	ug/l	98
86) Hexachloroethane	13.87	117	404387	157.081	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1136711	140.967	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.26	75	123830	122.189	ug/l	93
89) 1,2,4-Trichlorobenzene	14.90	180	694619	164.817	ug/l	99
90) Hexachlorobutadiene	15.01	225	391573	138.581	ug/l	98
91) Naphthalene	15.13	128	1784050	156.318	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	708468	158.419	ug/l	99

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Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jul 24 02:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 02:31:22 2019
Response via : Initial Calibration

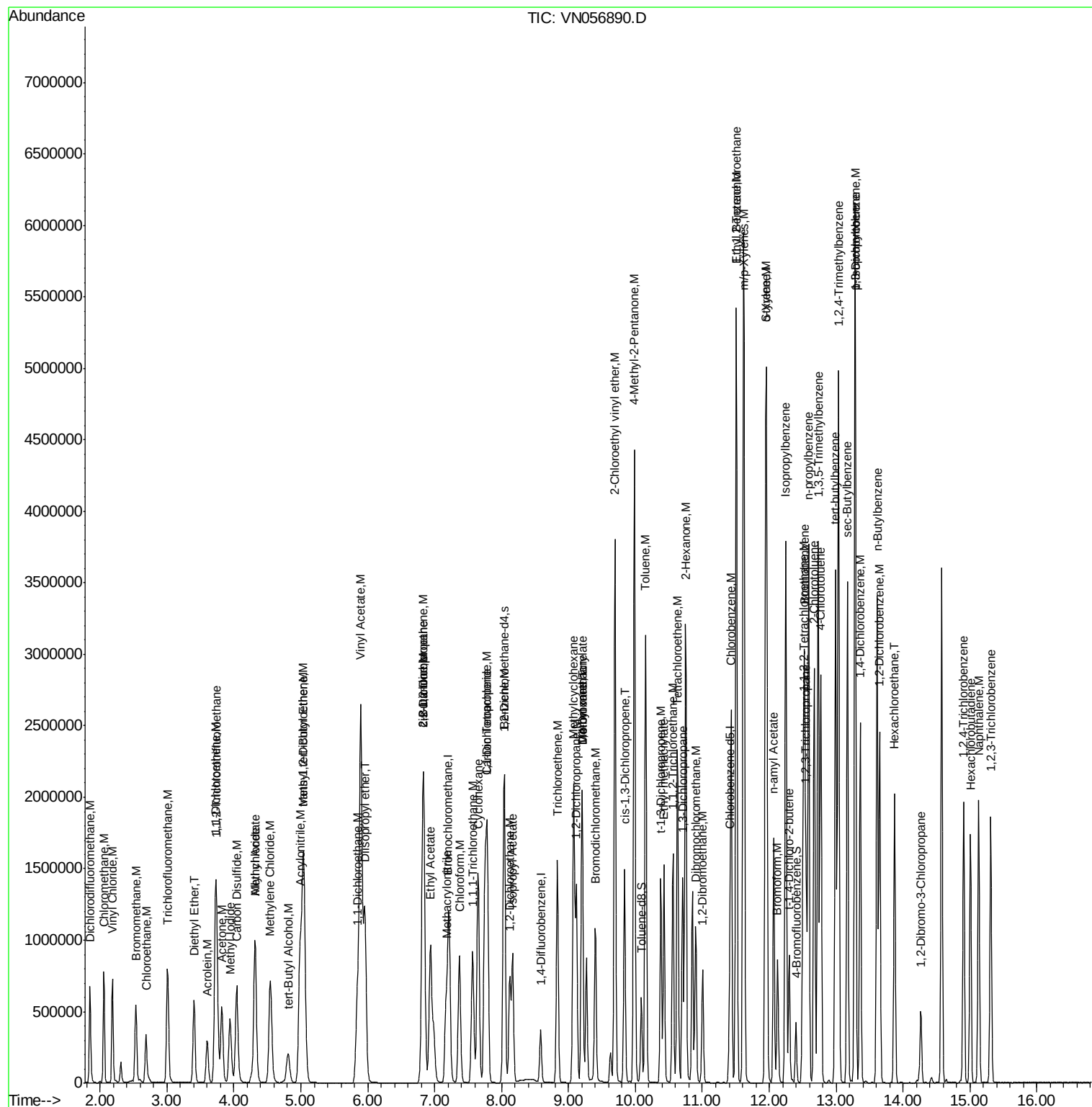
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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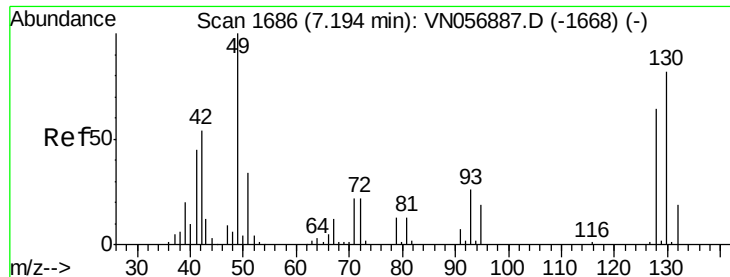
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
Data File : VN056890.D
Acq On : 23 Jul 2019 20:40
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Jul 24 02:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 02:31:22 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

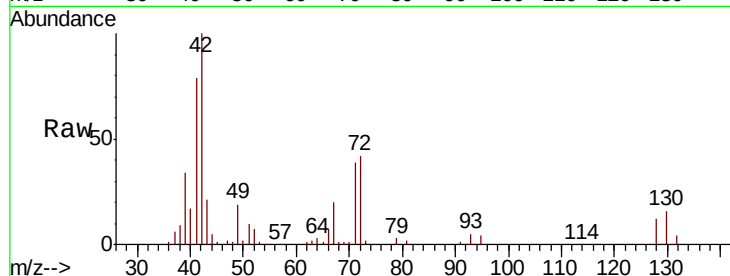
Tot Ion:128 Resp: 61406

Ion Ratio Lower Upper

128 100

49 164.4 0.0 385.8

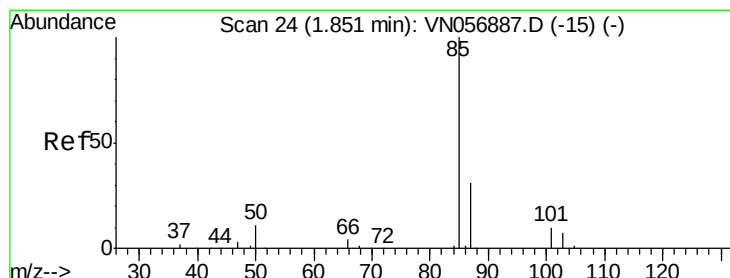
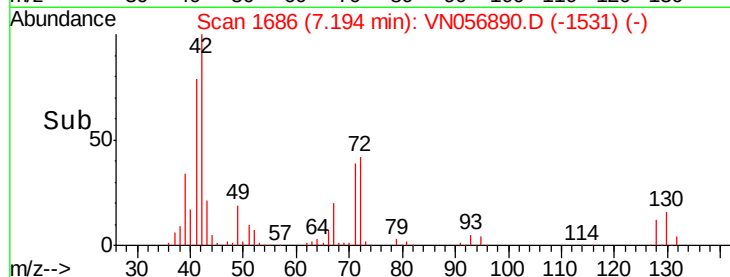
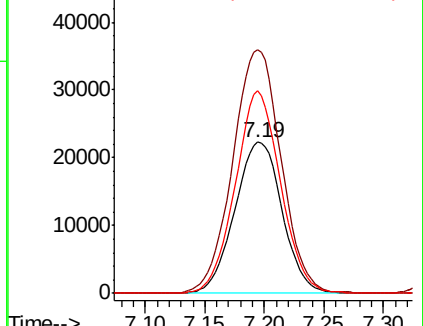
130 128.3 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 164.866 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056890.D

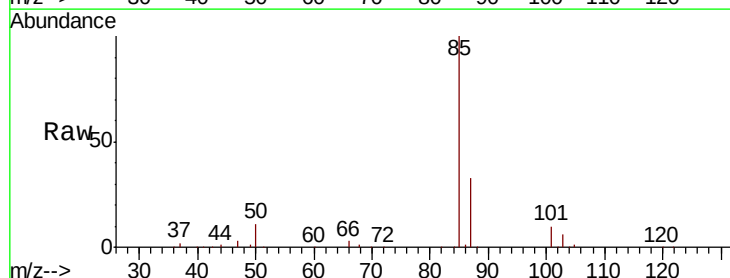
Acq: 23 Jul 2019 20:40

Tgt Ion: 85 Resp: 575246

Ion Ratio Lower Upper

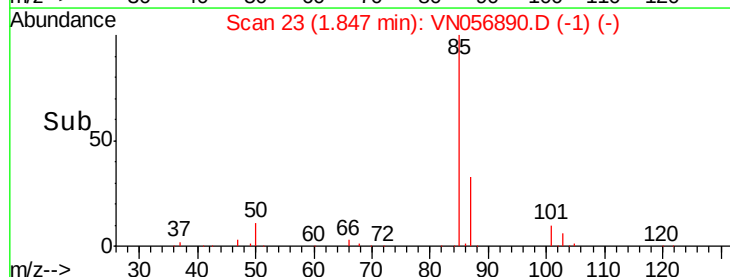
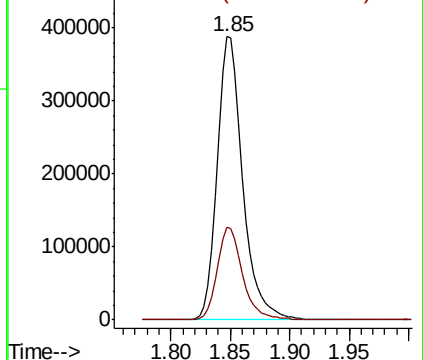
85 100

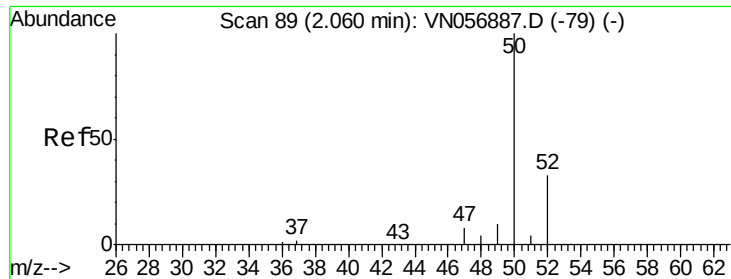
87 32.8 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

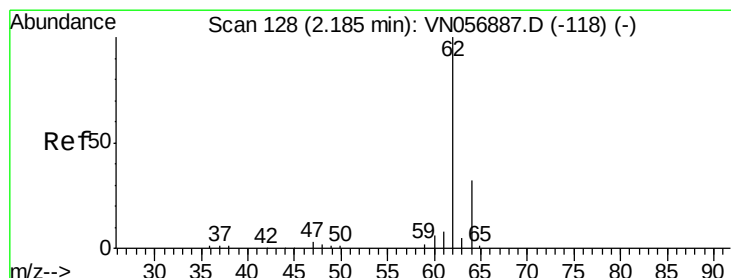
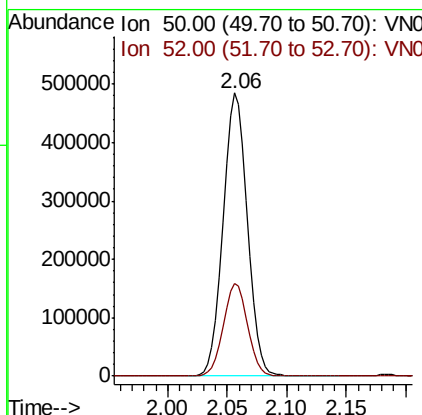
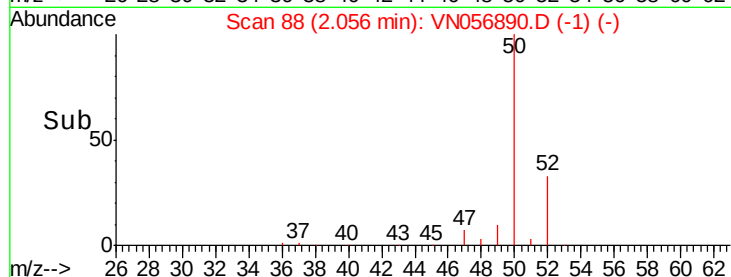
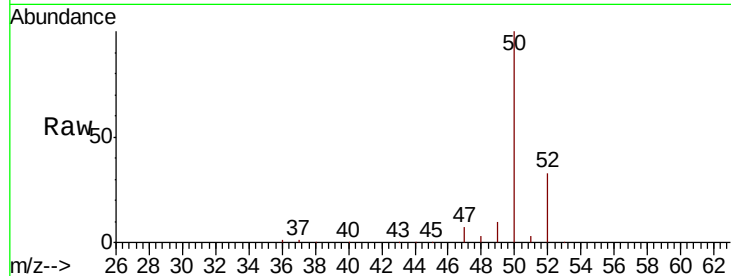




#3
Chloromethane
Concen: 148.885 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

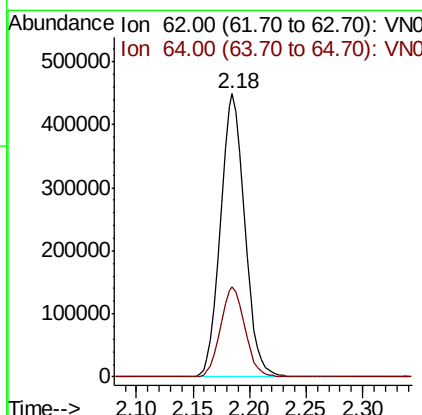
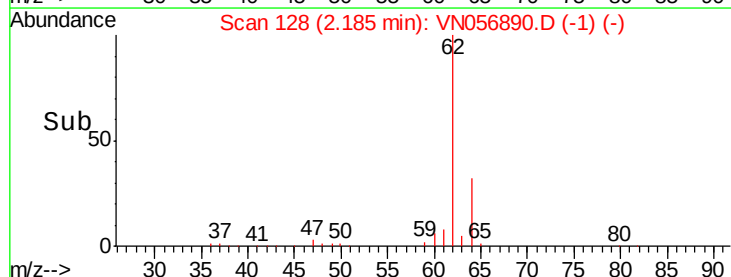
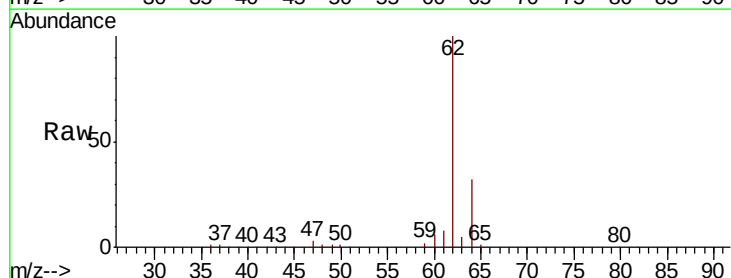
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

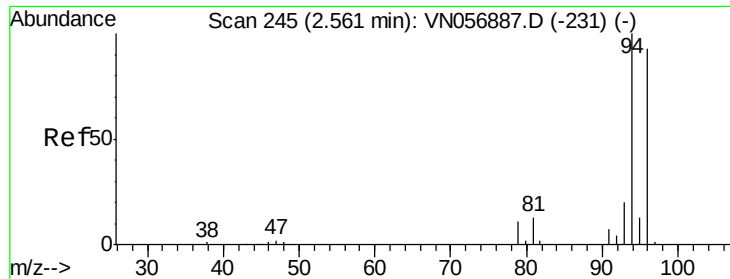
Tot Ion: 50 Resp: 684521
Ion Ratio Lower Upper
50 100
52 32.6 26.2 39.2



#4
Vinyl Chloride
Concen: 148.556 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 62 Resp: 669460
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.0

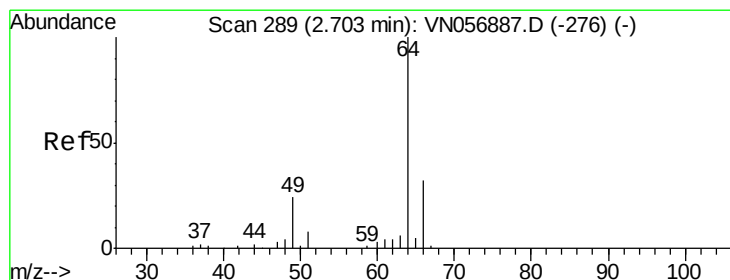
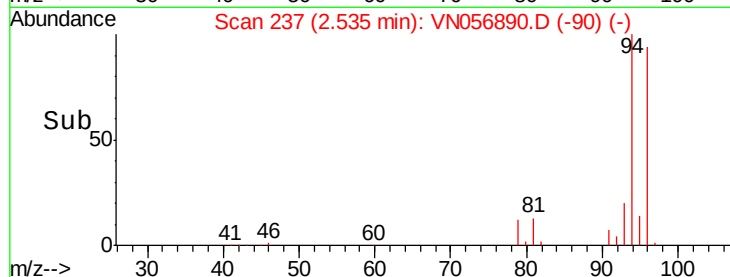
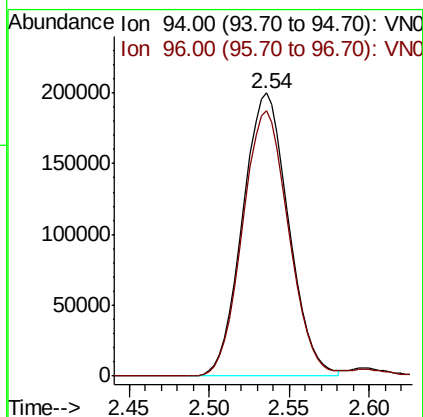
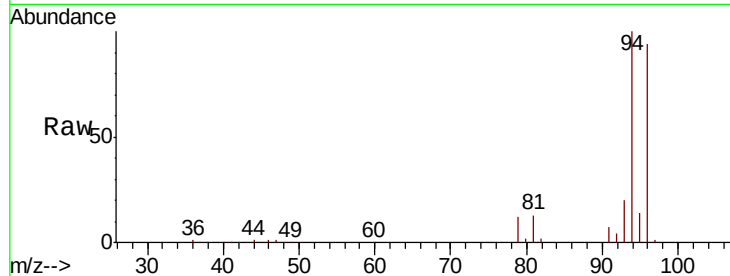




#5
Bromomethane
Concen: 138.812 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.03 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

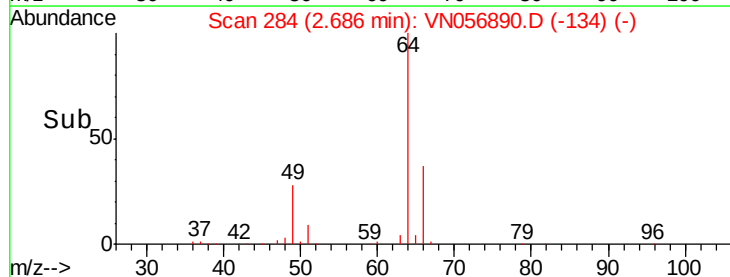
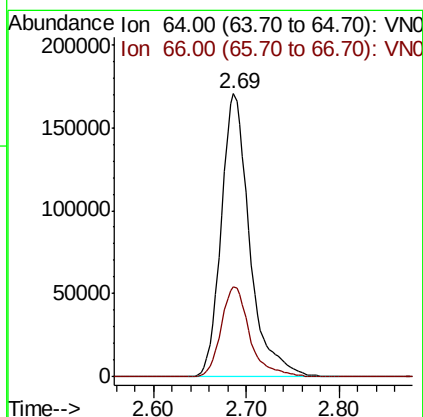
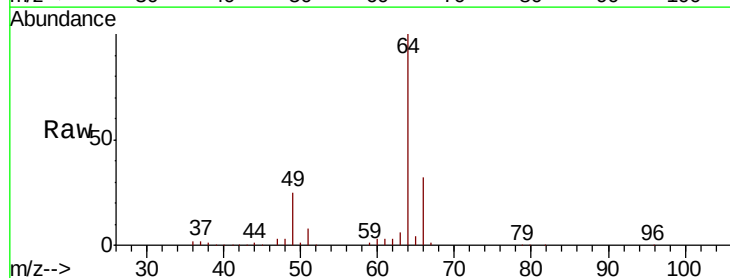
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

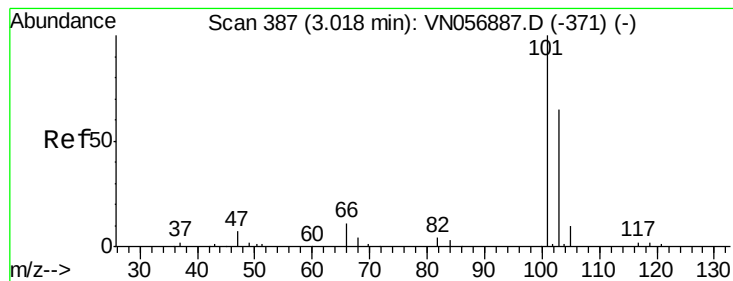
Tot Ion: 94 Resp: 393338
Ion Ratio Lower Upper
94 100
96 93.7 74.7 112.1



#6
Chloroethane
Concen: 141.701 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.02 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 64 Resp: 363651
Ion Ratio Lower Upper
64 100
66 31.6 25.8 38.8



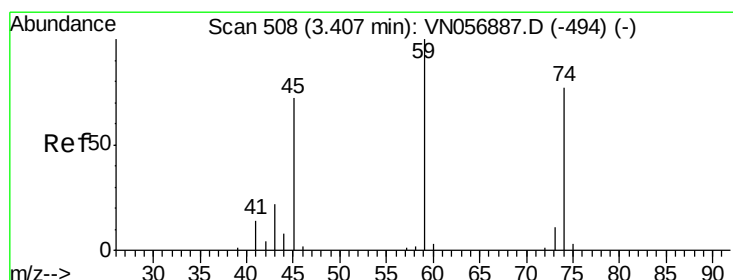
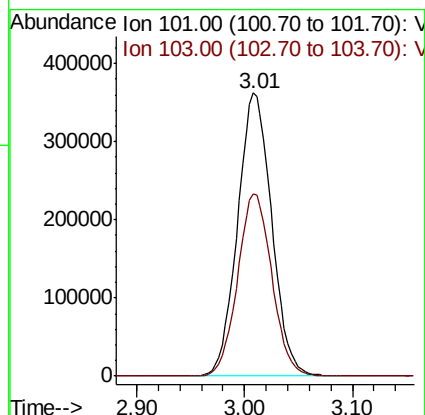
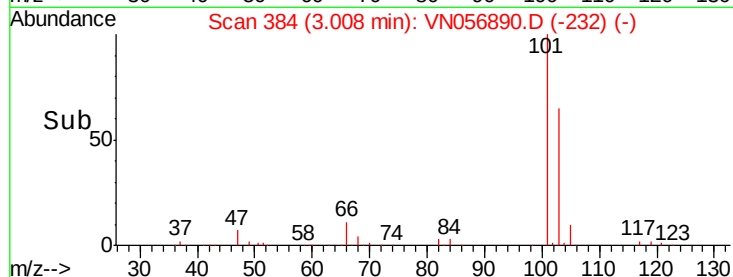
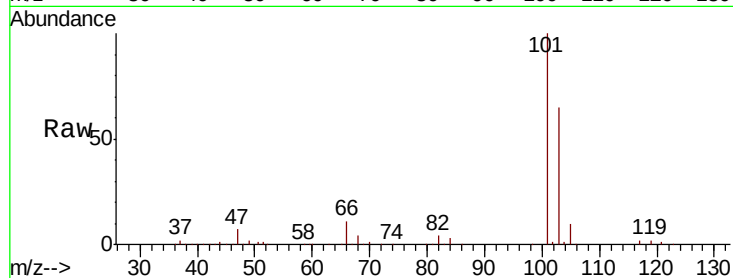


#7

Trichlorofluoromethane
Concen: 139.878 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

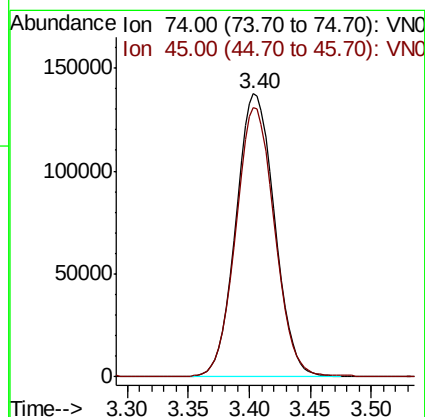
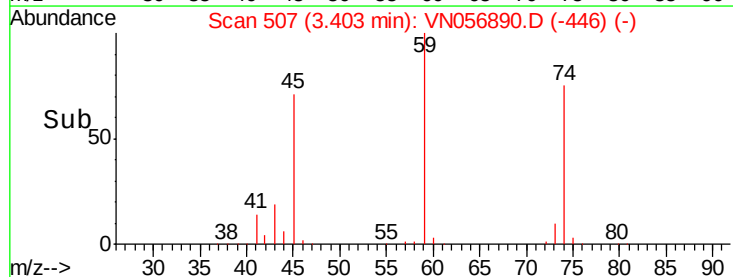
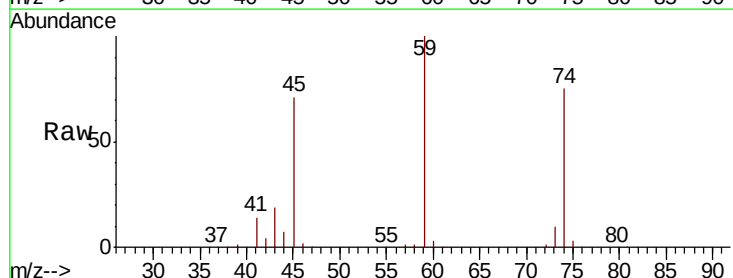
Tot Ion:101 Resp: 797415
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4

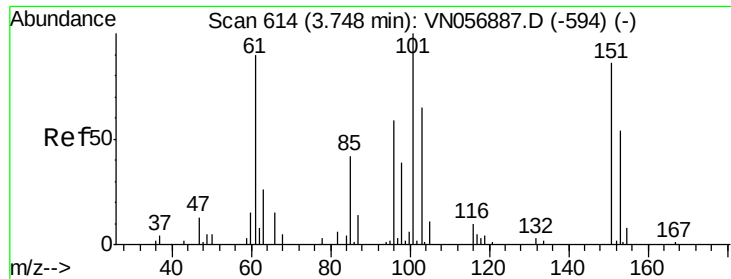


#8

Diethyl Ether
Concen: 130.310 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 74 Resp: 301894
Ion Ratio Lower Upper
74 100
45 94.5 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.049 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

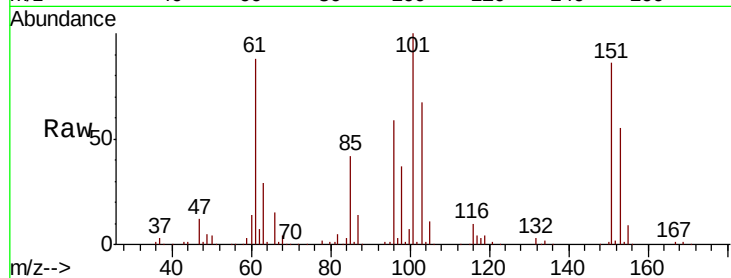
Tot Ion:101 Resp: 495004

Ion Ratio Lower Upper

101 100

85 41.1 0.0 85.0

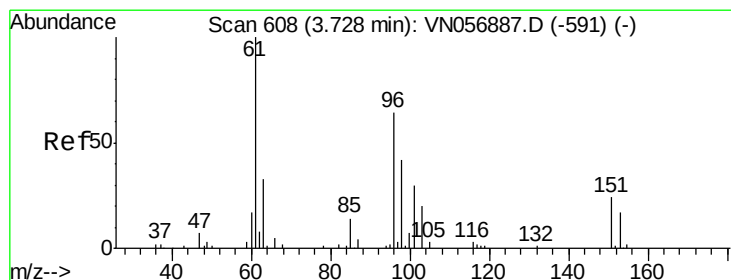
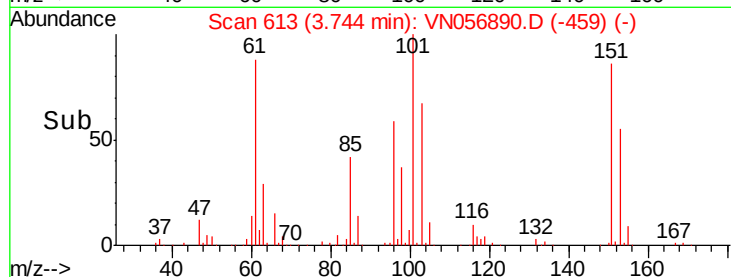
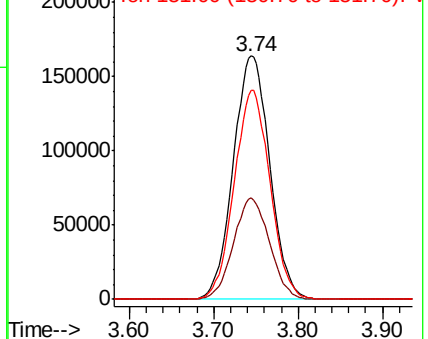
151 84.1 0.0 167.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 143.156 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

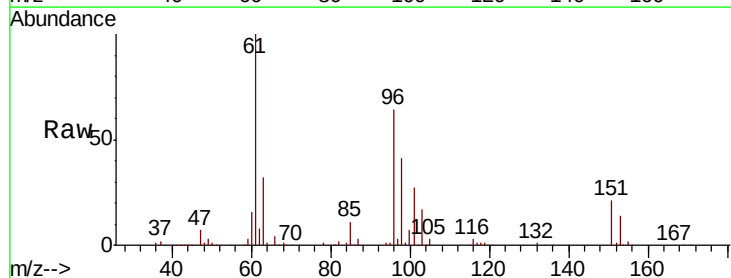
Tgt Ion: 96 Resp: 506578

Ion Ratio Lower Upper

96 100

61 156.5 125.8 188.8

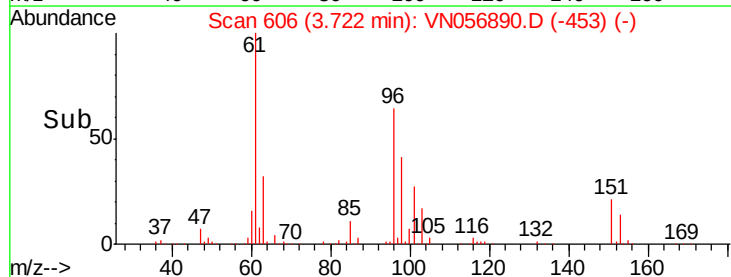
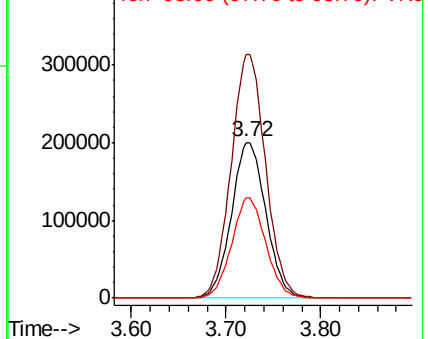
98 64.9 52.7 79.1

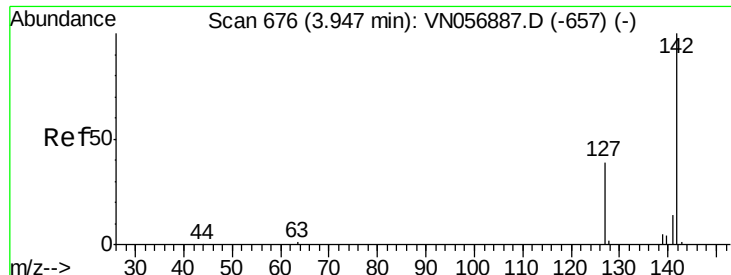


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

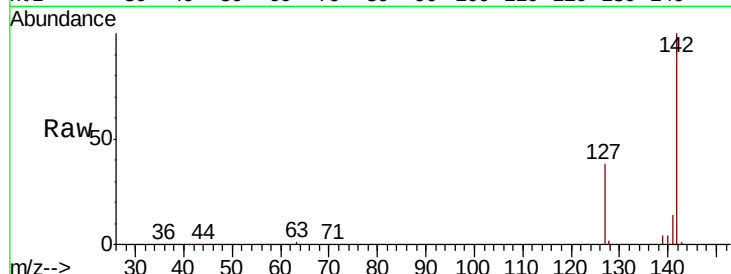




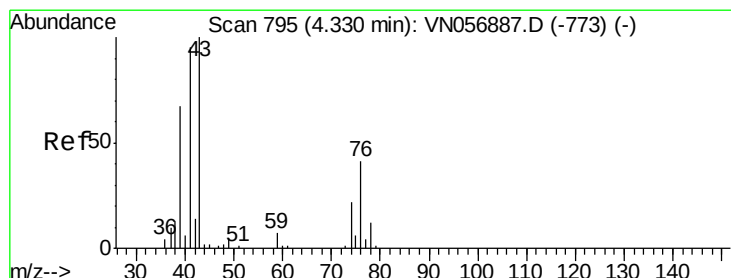
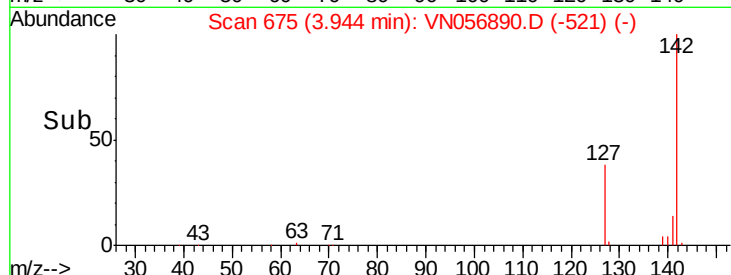
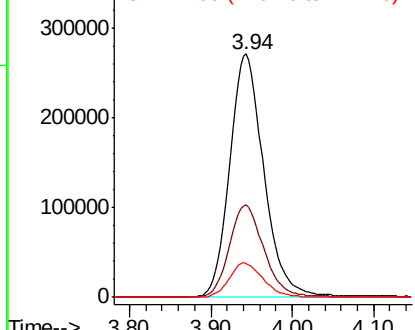
#11
Methvl Iodide
Concen: 165.526 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:142 Resp: 793256
Ion Ratio Lower Upper
142 100
127 37.9 19.6 58.8
141 14.0 7.2 21.6

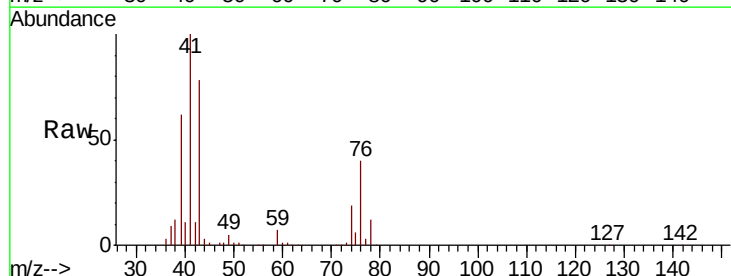


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

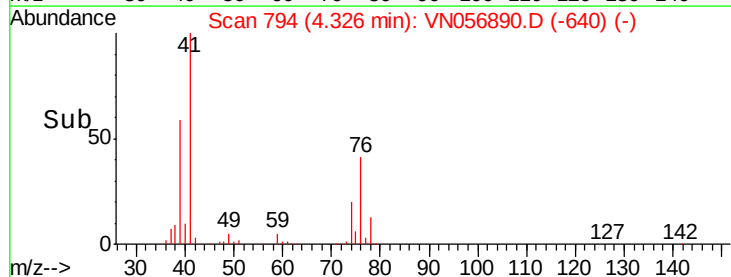
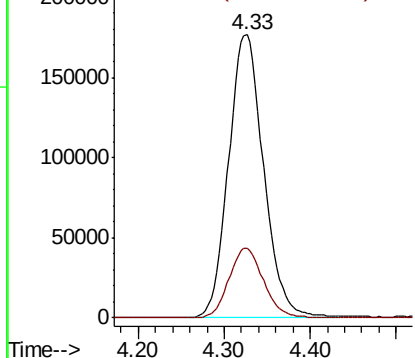


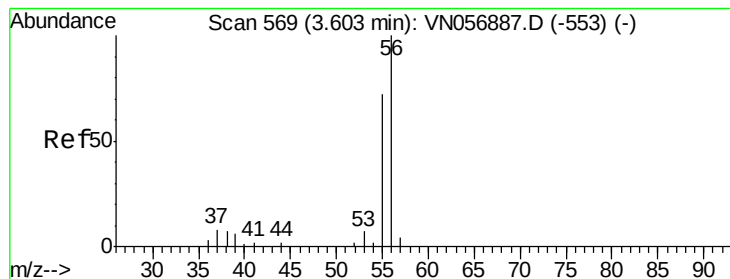
#12
Methyl Acetate
Concen: 106.134 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 498763
Ion Ratio Lower Upper
43 100
74 24.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 912.180 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

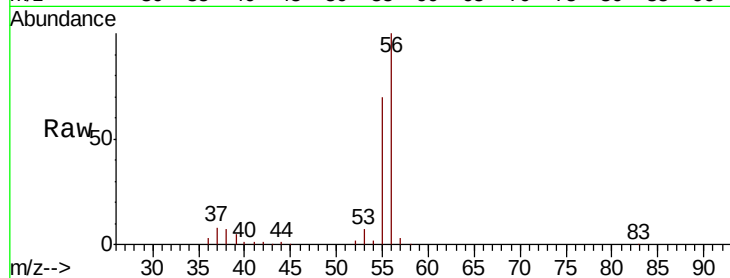
VSTDIC150

Tot Ion: 56 Resp: 338880

Ion Ratio Lower Upper

56 100

55 71.8 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN056887.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN056887.D (-553) (-)

3.60

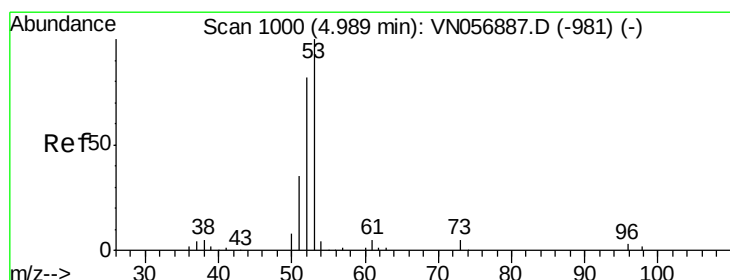
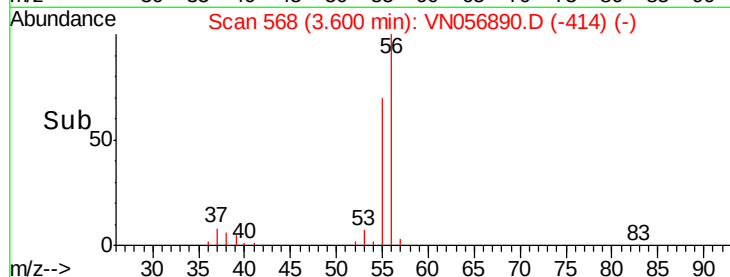
150000

100000

50000

0

Time-->



#14

Acrylonitrile

Concen: 587.699 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

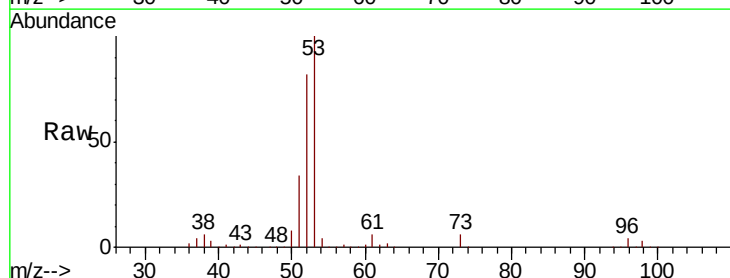
Tgt Ion: 53 Resp: 1188929

Ion Ratio Lower Upper

53 100

52 81.8 40.8 122.5

51 35.3 17.4 52.2



Abundance Ion 53.00 (52.70 to 53.70): VN056887.D (-981) (-)

Ion 52.00 (51.70 to 52.70): VN056887.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VN056887.D (-981) (-)

4.99

500000

400000

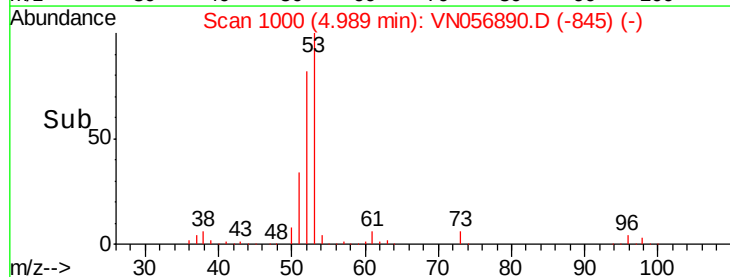
300000

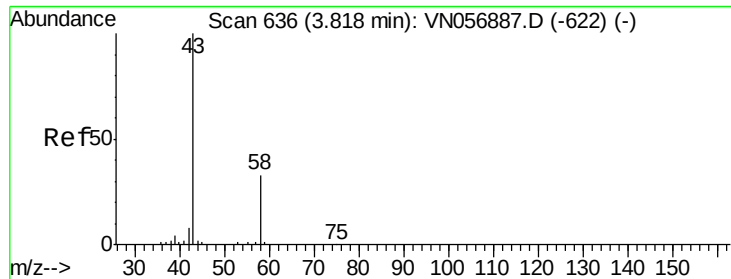
200000

100000

0

Time-->





#15

Acetone

Concen: 460.359 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

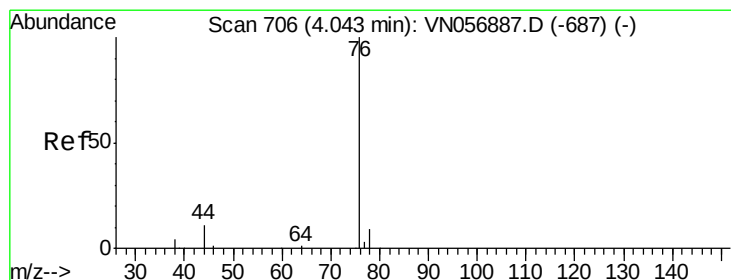
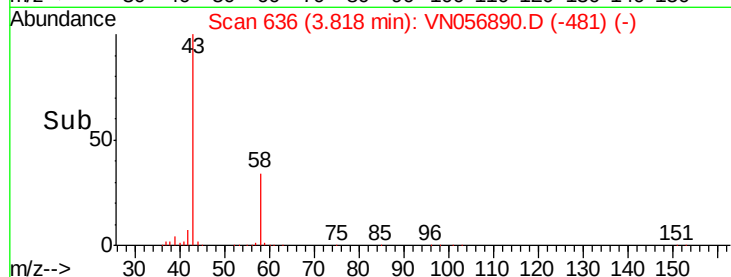
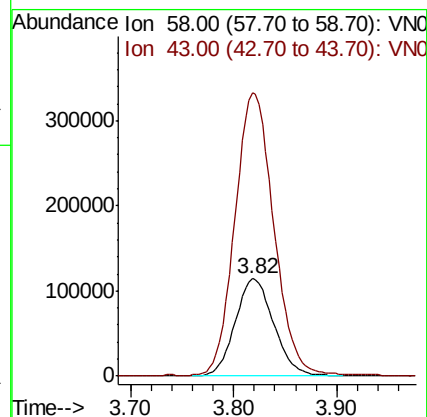
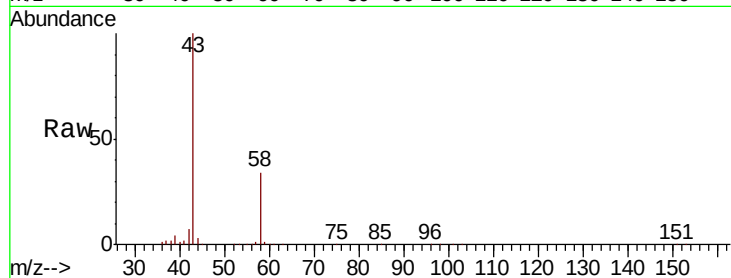
VSTDIC150

Tot Ion: 58 Resp: 296421

Ion Ratio Lower Upper

58 100

43 289.7 242.4 363.6



#16

Carbon Disulfide

Concen: 152.683 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056890.D

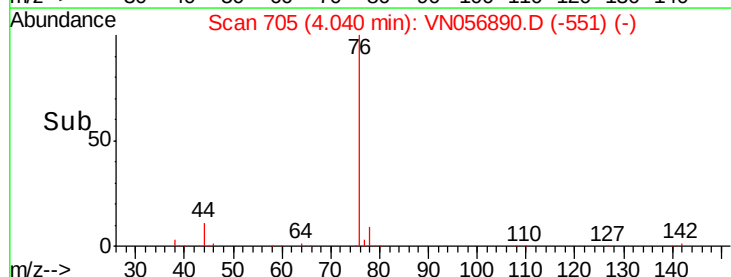
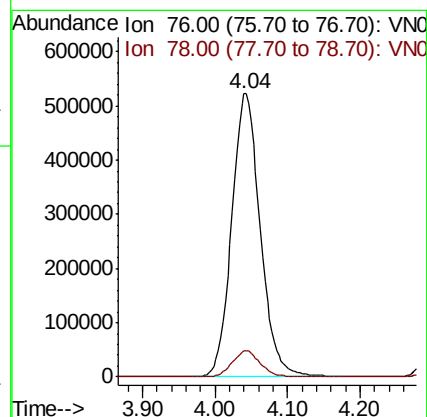
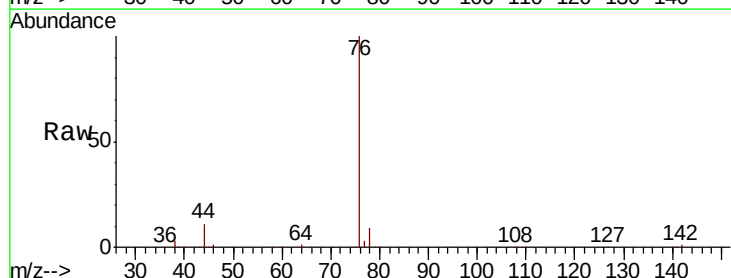
Acq: 23 Jul 2019 20:40

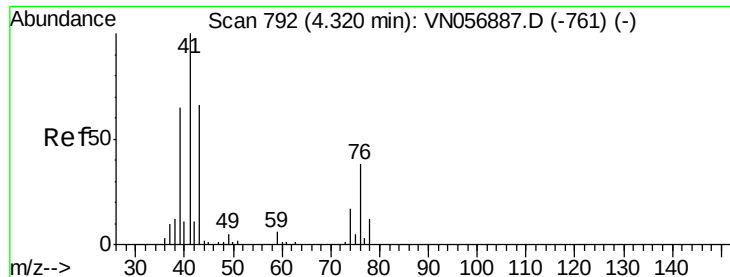
Tgt Ion: 76 Resp: 1430831

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

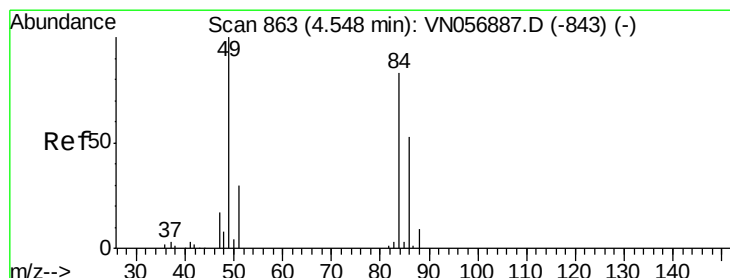
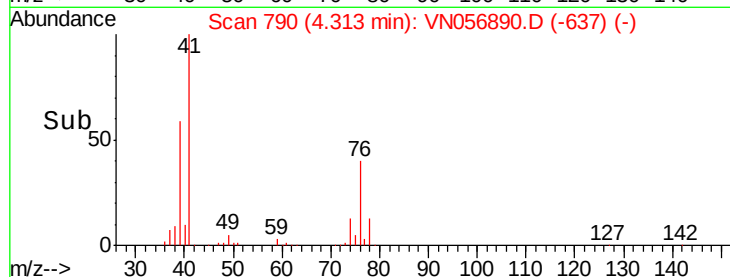
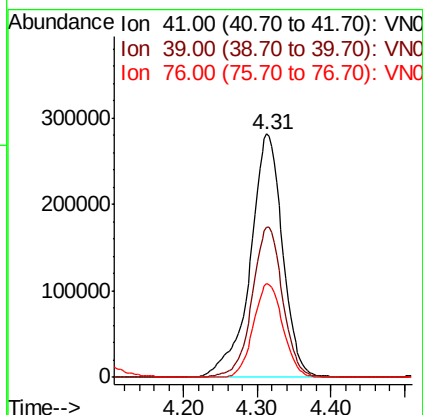
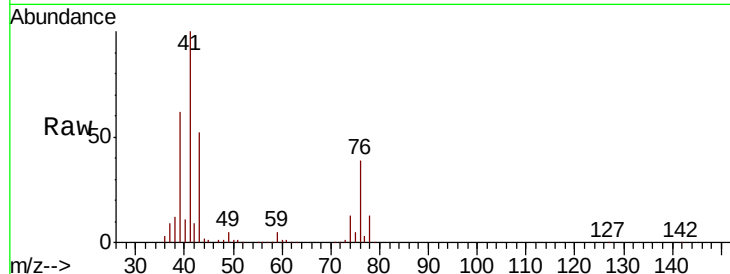




#17
Allvl chloride
Concen: 139.818 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

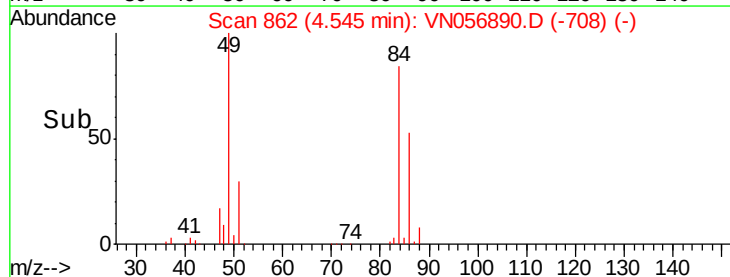
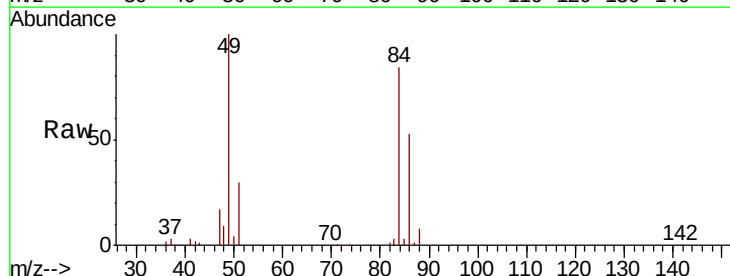
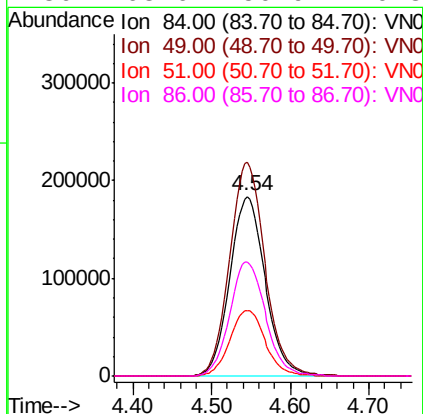
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

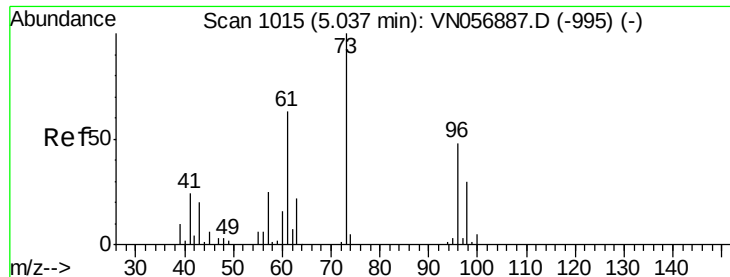
Tot Ion: 41 Resp: 858884
Ion Ratio Lower Upper
41 100
39 61.9 32.4 97.0
76 38.6 19.0 57.0



#18
Methylene Chloride
Concen: 138.771 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 84 Resp: 576272
Ion Ratio Lower Upper
84 100
49 119.0 96.3 144.5
51 36.3 28.8 43.2
86 63.6 50.9 76.3

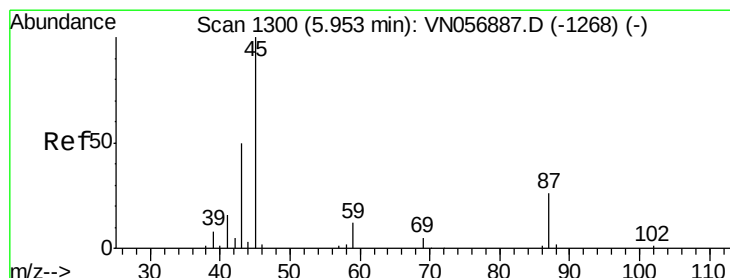
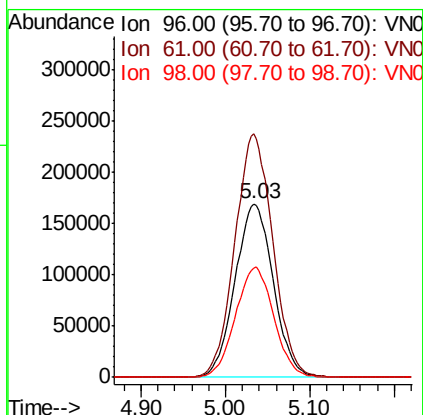
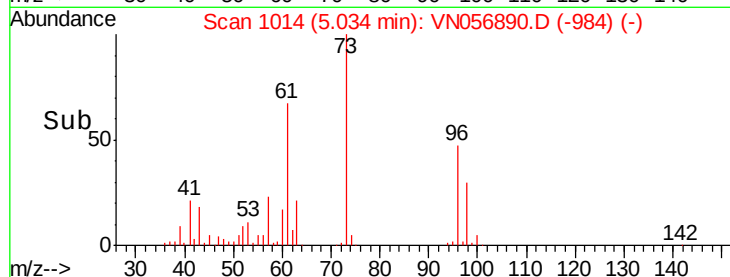
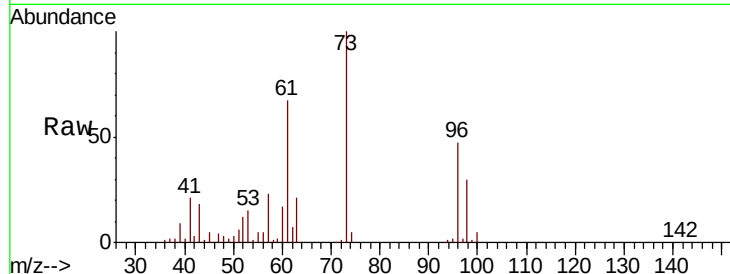




#19
trans-1,2-Dichloroethene
Concen: 141.975 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

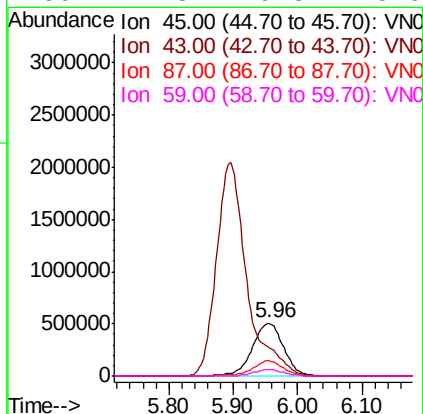
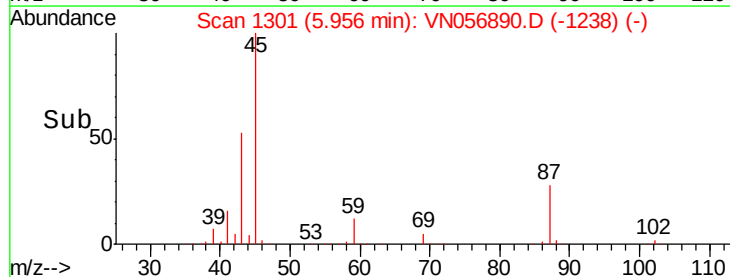
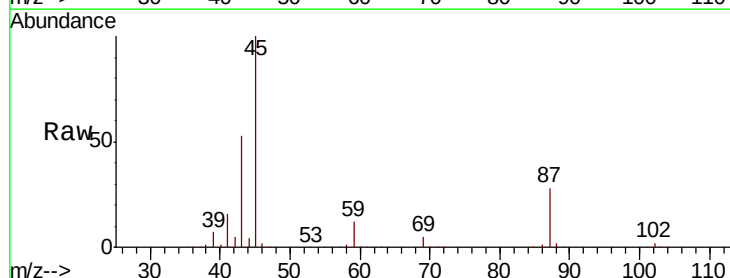
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

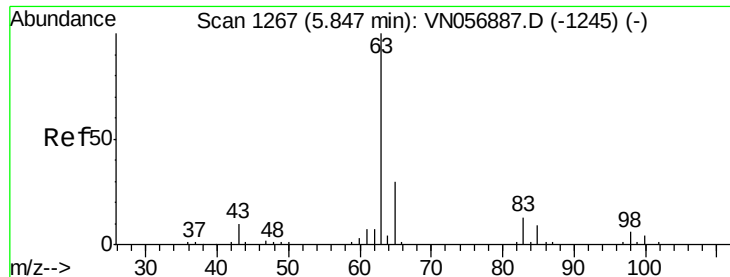
Tot Ion: 96 Resp: 534826
Ion Ratio Lower Upper
96 100
61 140.2 105.4 158.0
98 63.3 50.8 76.2



#20
Diisopropyl ether
Concen: 137.904 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 45 Resp: 1698214
Ion Ratio Lower Upper
45 100
43 52.6 47.4 71.0
87 28.0 21.7 32.5
59 11.8 9.3 13.9

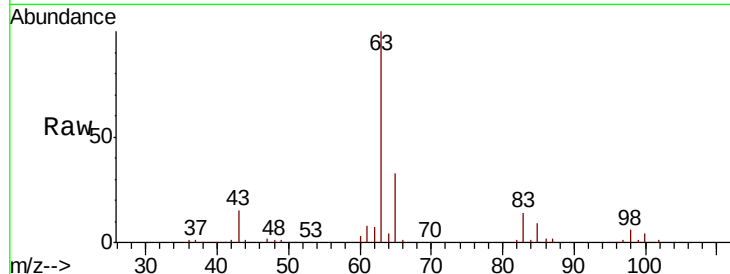




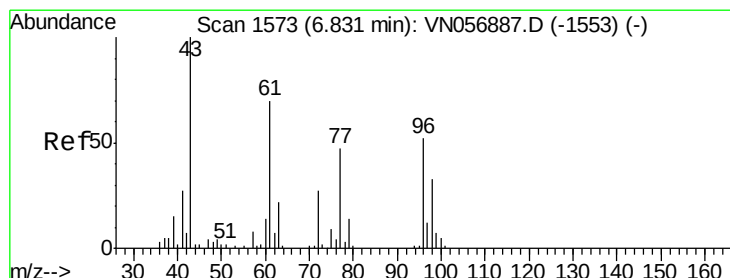
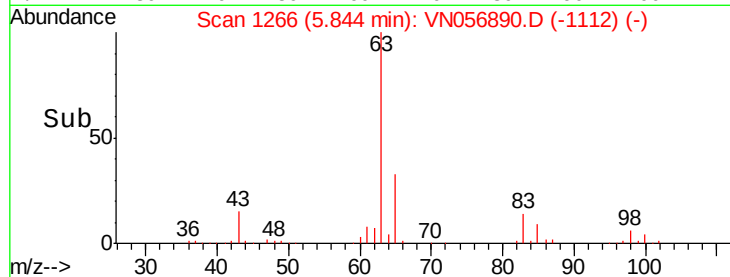
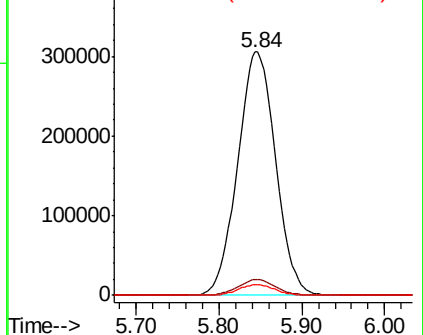
#21
 1,1-Dichloroethane
 Concen: 137.584 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.1	9.3
100	4.4	1.8	5.5

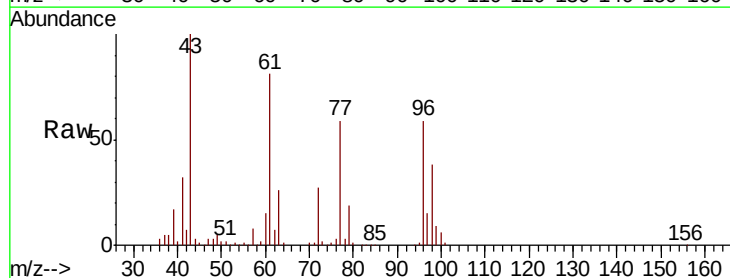


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

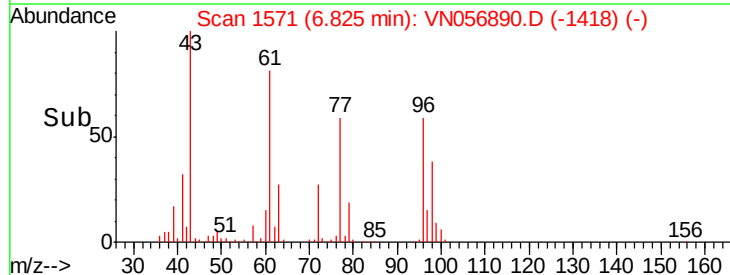
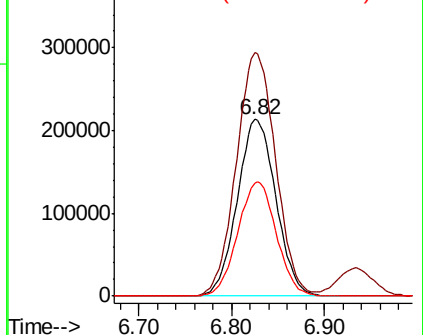


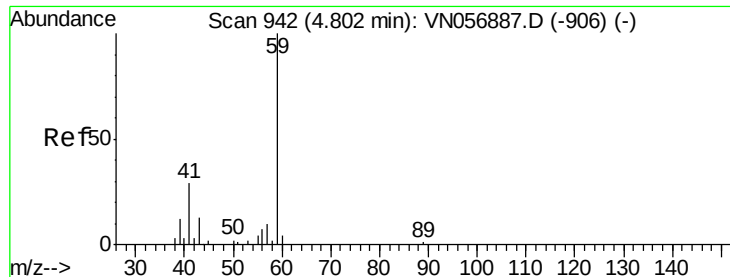
#22
 cis-1,2-Dichloroethene
 Concen: 139.682 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.0	111.6	167.4
98	64.6	51.0	76.4



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





#23

tert-Butyl Alcohol

Concen: 555.996 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.01 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

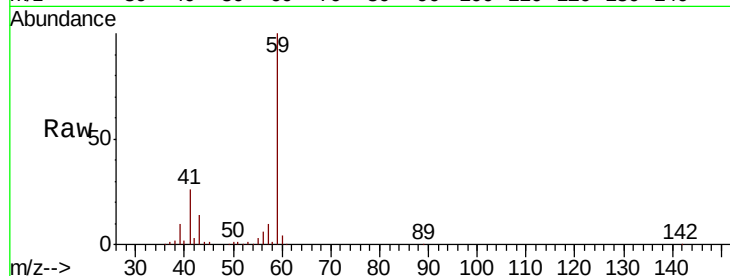
VSTDIC150

Tot Ion: 59 Resp: 395981

Ion Ratio Lower Upper

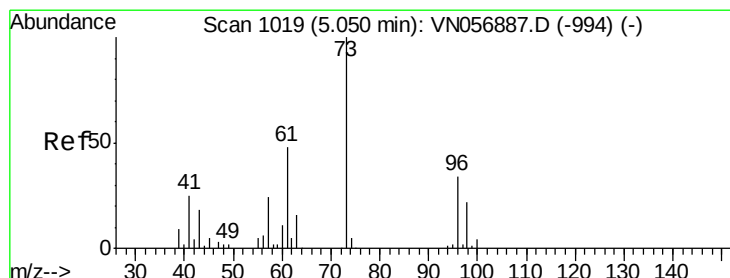
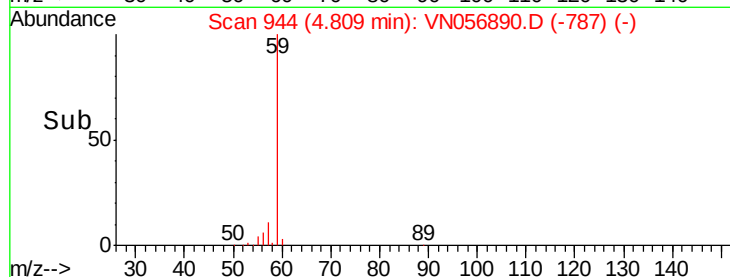
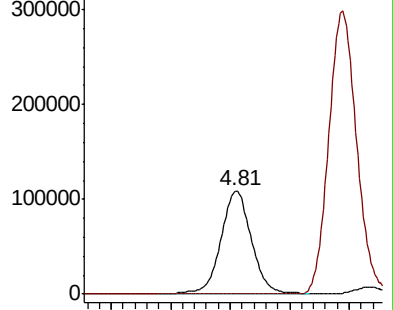
59 100

52 0.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN056887.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056887.D (-906) (-)



#24

Methyl tert-Butyl Ether

Concen: 137.737 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056890.D

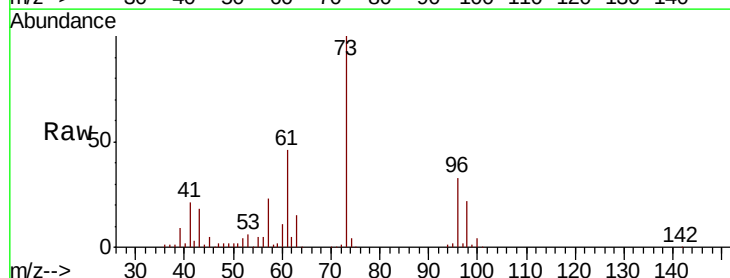
Acq: 23 Jul 2019 20:40

Tgt Ion: 73 Resp: 1539504

Ion Ratio Lower Upper

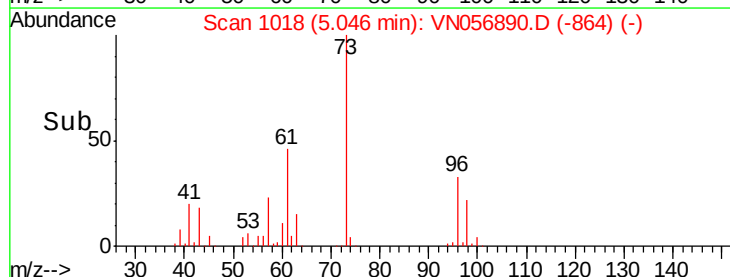
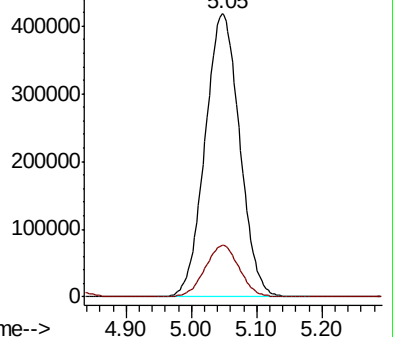
73 100

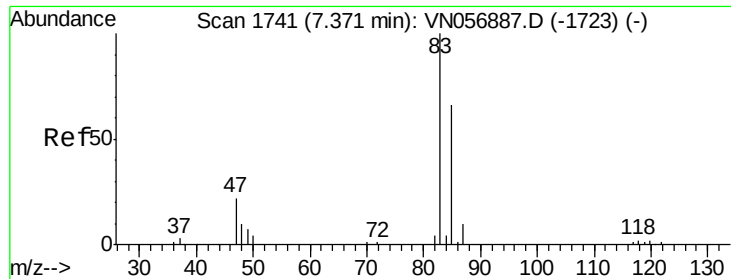
43 17.8 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056887.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-994) (-)

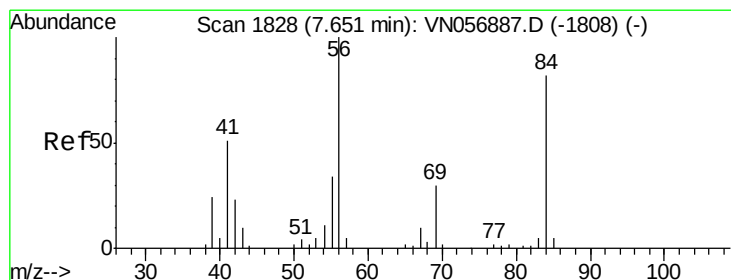
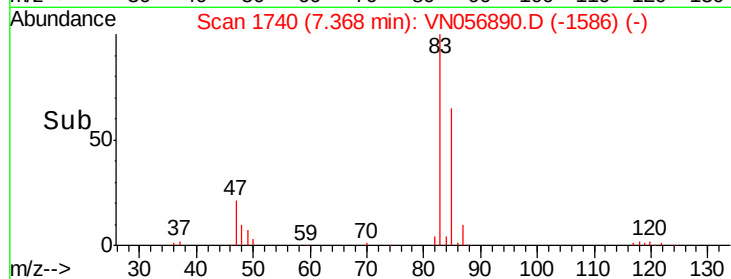
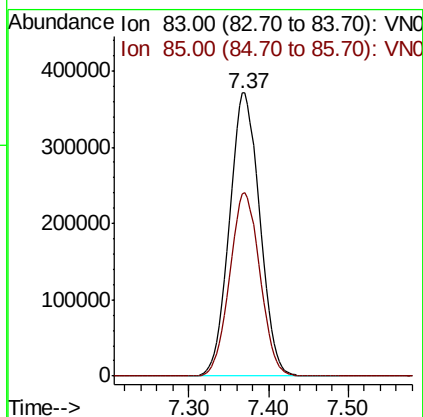
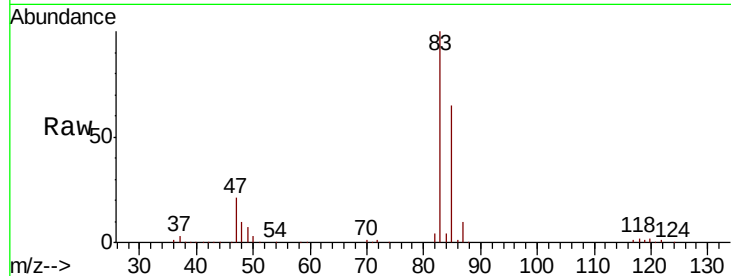




#25
Chloroform
Concen: 139.296 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

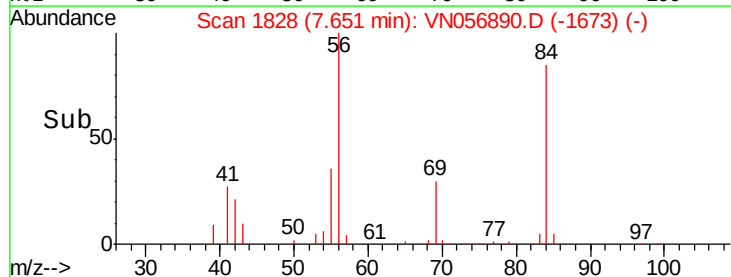
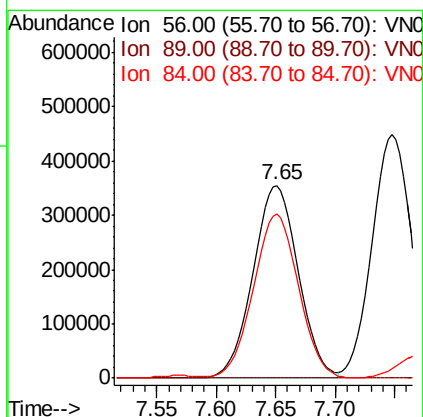
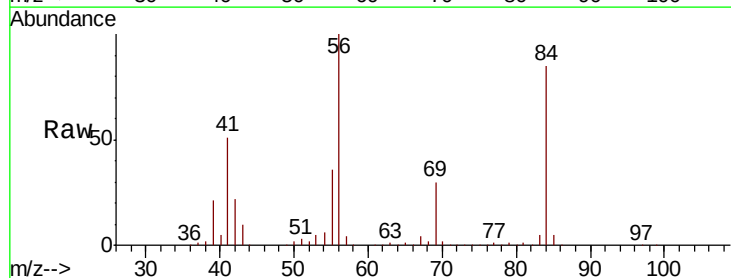
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

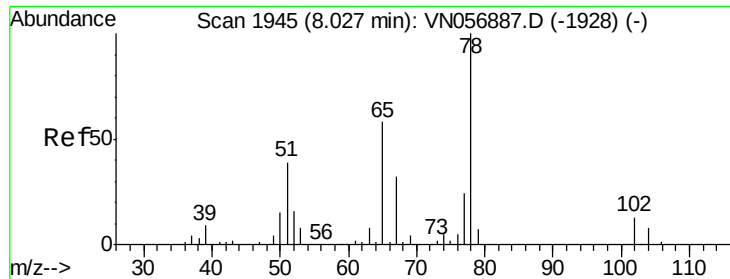
Tot Ion: 83 Resp: 953549
Ion Ratio Lower Upper
83 100
85 64.5 53.1 79.7



#26
Cyclohexane
Concen: 144.225 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 56 Resp: 935485
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.0 67.8 101.6

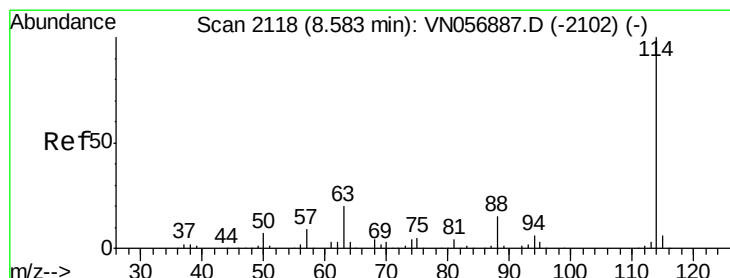
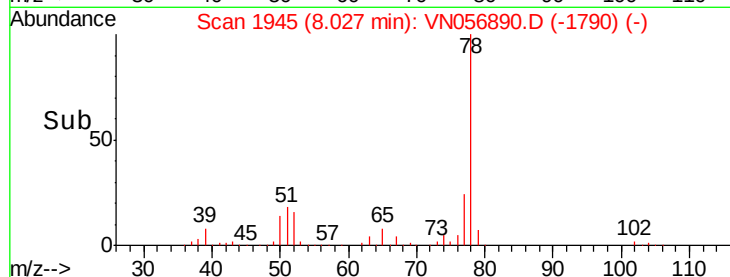
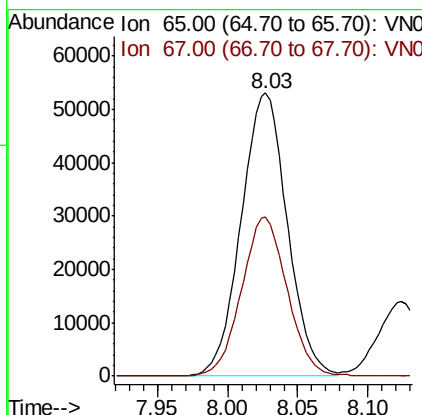
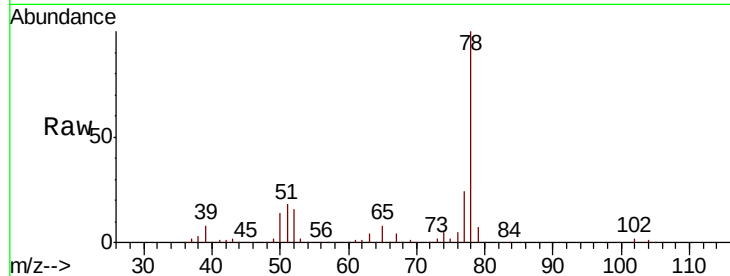




#27
 1,2-Dichloroethane-d4
 Concen: 29.421 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

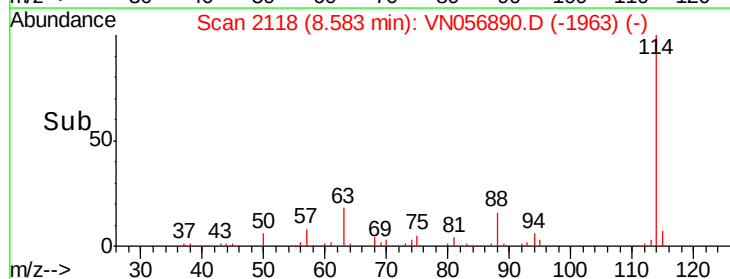
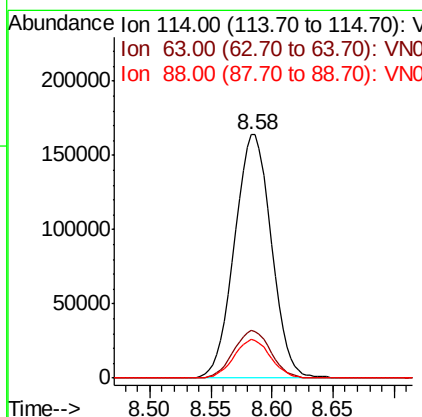
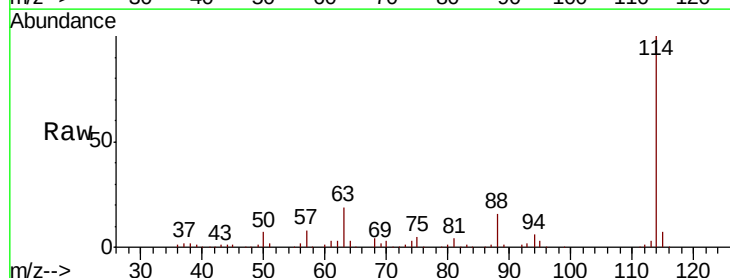
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

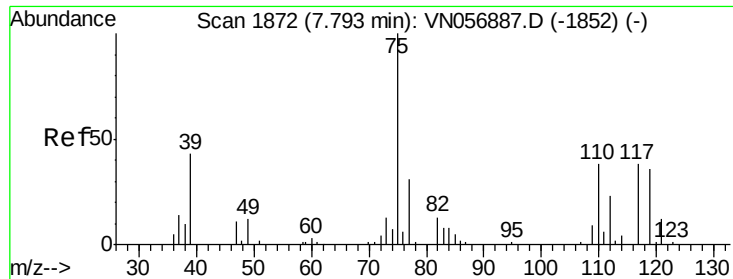
Tot Ion: 65 Resp: 121549
 Ion Ratio Lower Upper
 65 100
 67 55.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 114 Resp: 344063
 Ion Ratio Lower Upper
 114 100
 63 19.6 15.8 23.6
 88 15.6 12.5 18.7

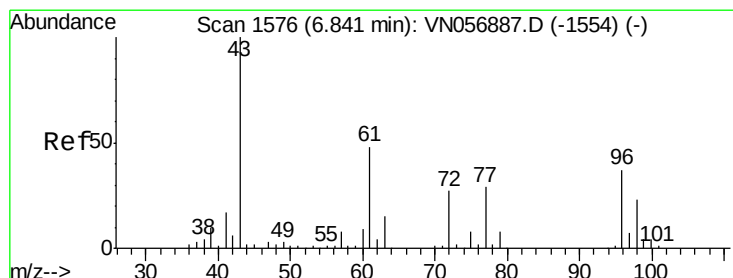
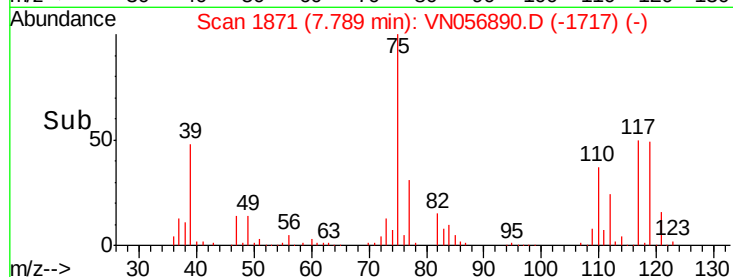
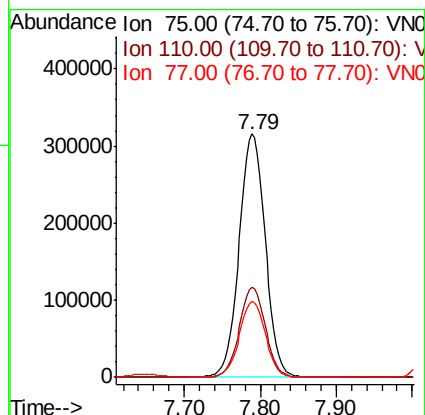
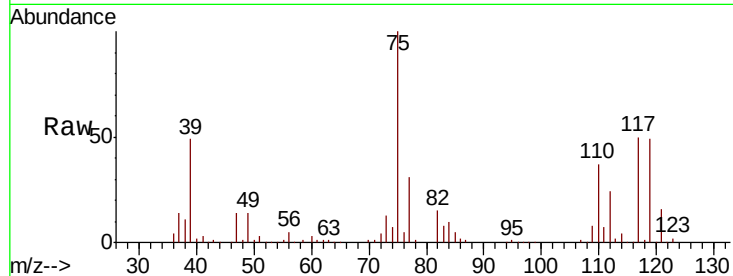




#29
 1,1-Dichloropropene
 Concen: 141.859 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

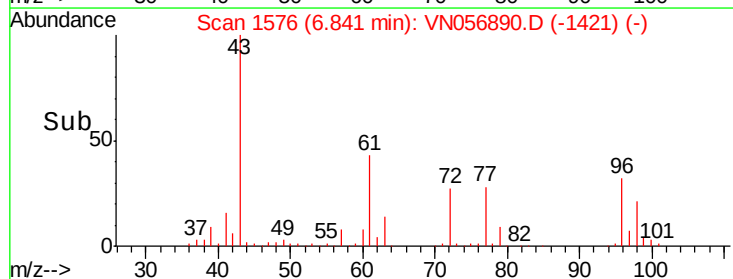
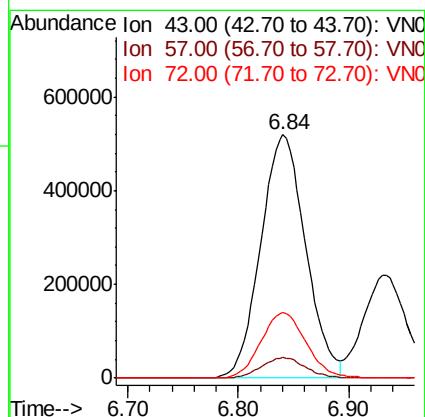
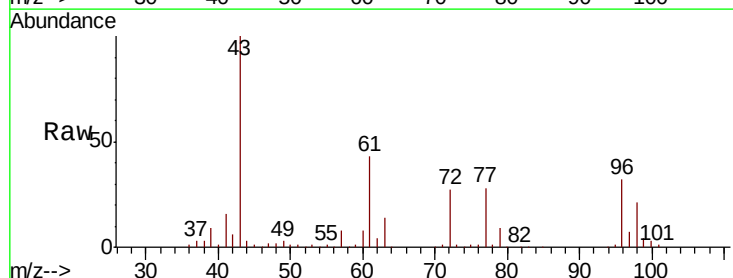
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

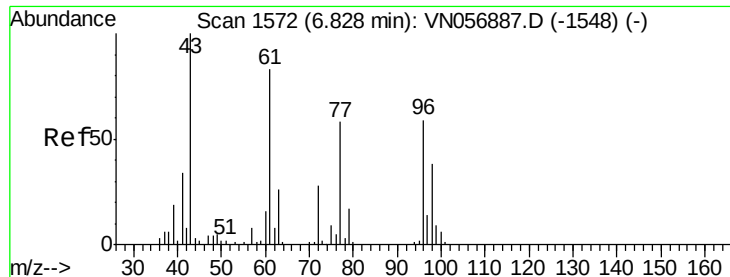
Tot Ion: 75 Resp: 750372
 Ion Ratio Lower Upper
 75 100
 110 36.8 0.0 75.8
 77 31.4 0.0 64.0



#30
 2-Butanone
 Concen: 509.387 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 1462931
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.5 9.7
 72 27.4 22.1 33.1

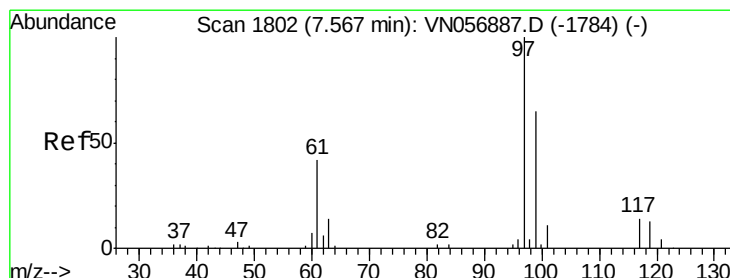
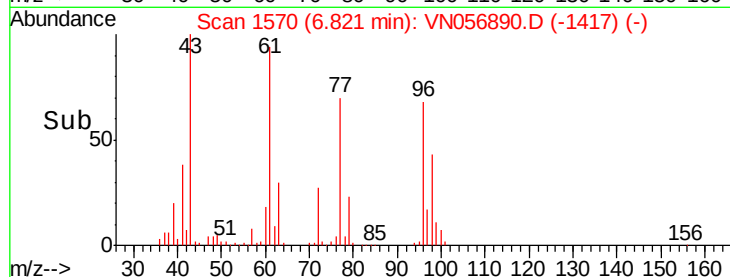
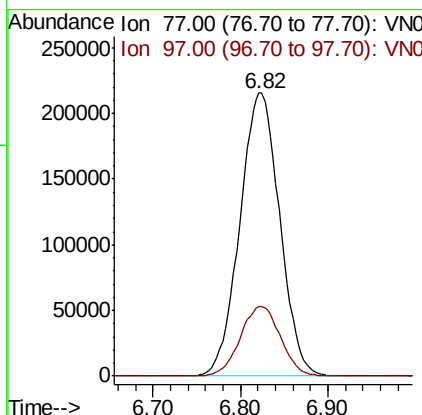
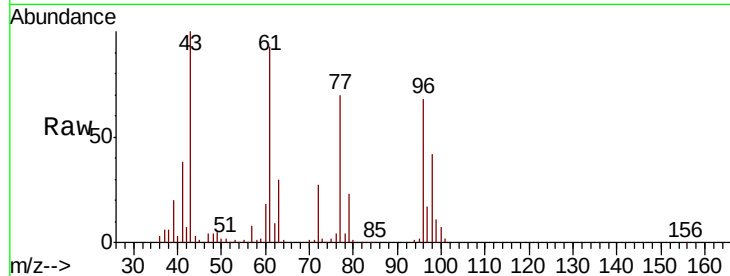




#31
 2,2-Dichloropropane
 Concen: 133.302 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

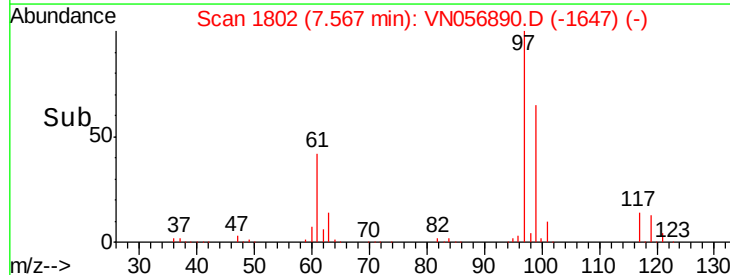
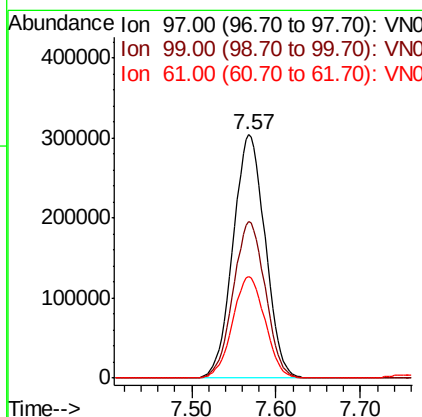
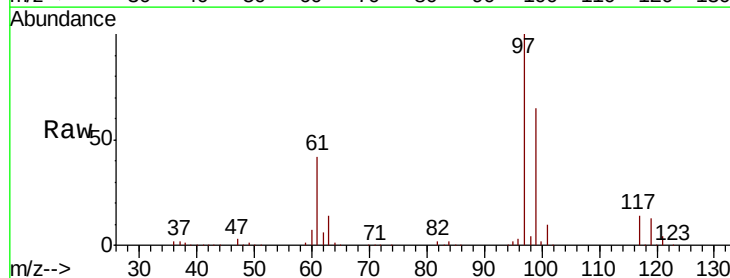
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

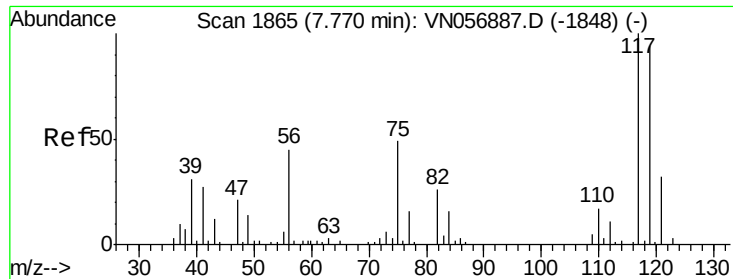
Tot Ion: 77 Resp: 680567
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.3 28.9



#32
 1,1,1-Trichloroethane
 Concen: 141.796 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 97 Resp: 807097
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.3 78.5
 61 42.1 34.4 51.6





#33

Carbon Tetrachloride

Concen: 147.748 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

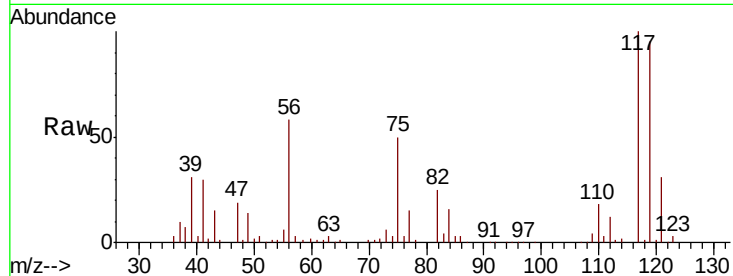
Tot Ion:117 Resp: 723245

Ion Ratio Lower Upper

117 100

119 94.9 75.1 112.7

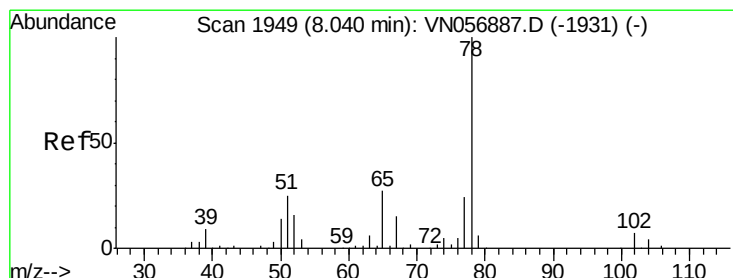
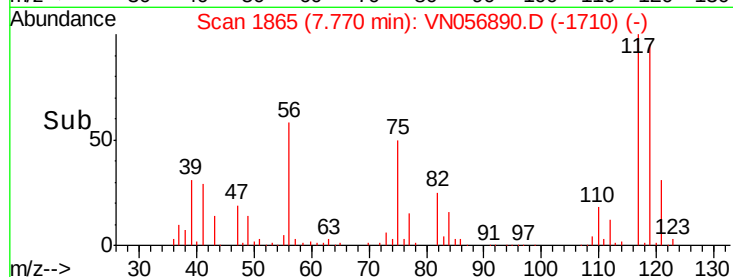
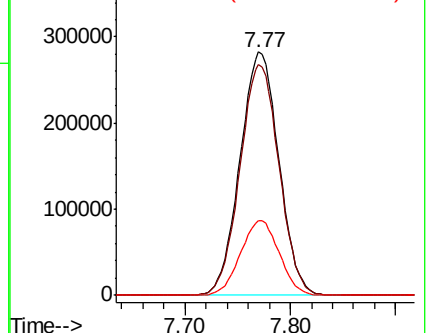
121 30.8 25.8 38.8



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: 138.117 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

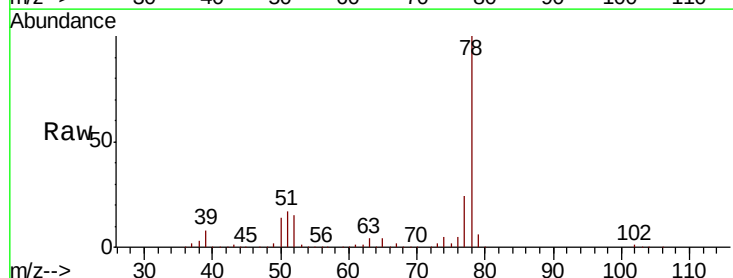
Tgt Ion: 78 Resp: 2263300

Ion Ratio Lower Upper

78 100

77 23.9 19.4 29.2

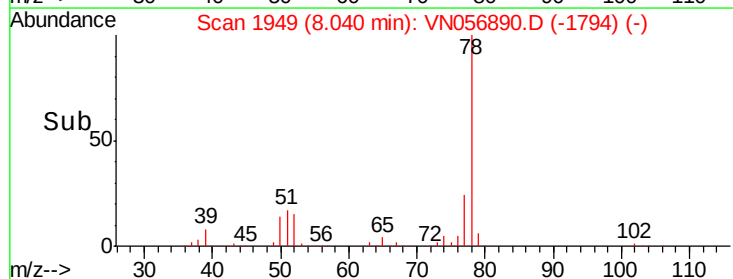
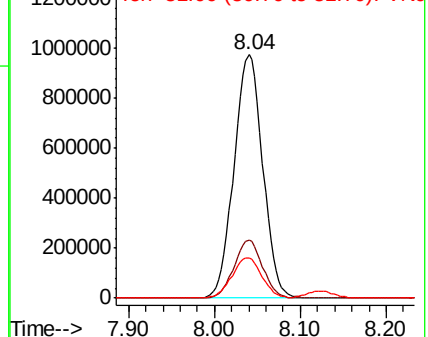
51 16.5 20.4 30.6#

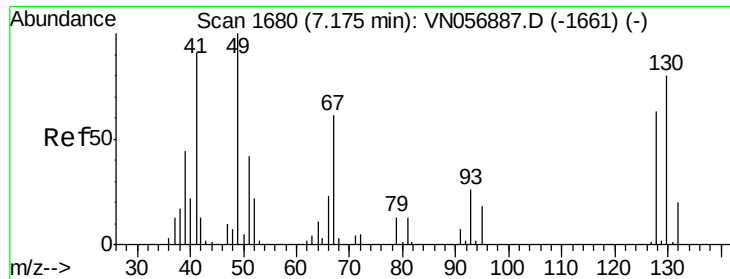


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

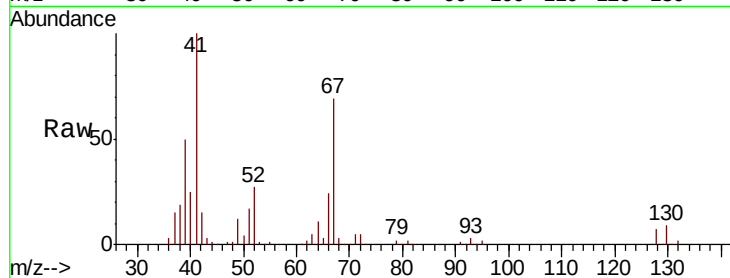




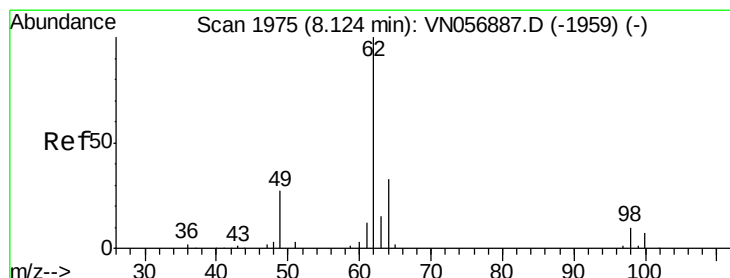
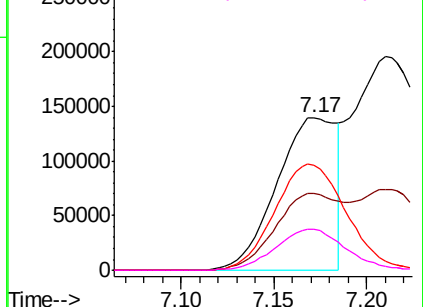
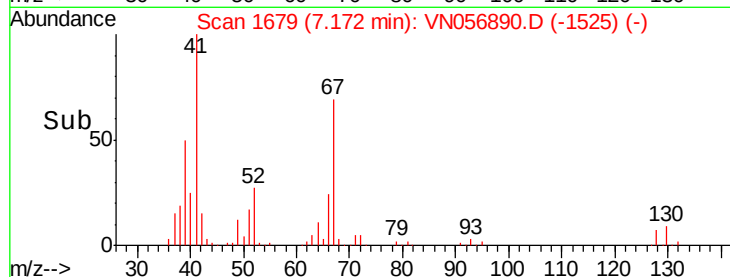
#35
Methacrylonitrile
Concen: 130.195 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	312996
Ion	Ratio	Lower	Upper
41	100		
39	49.9	24.4	73.2
67	69.0	33.4	100.1
52	26.5	12.1	36.3

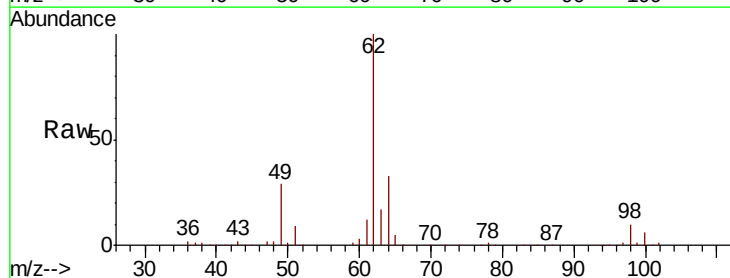


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

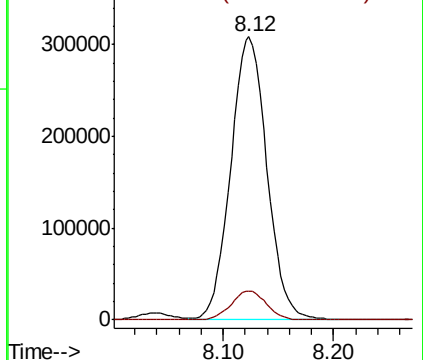
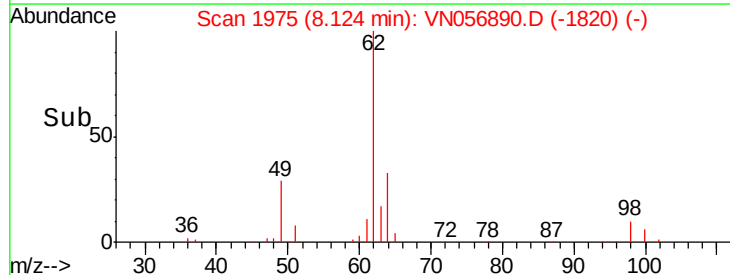


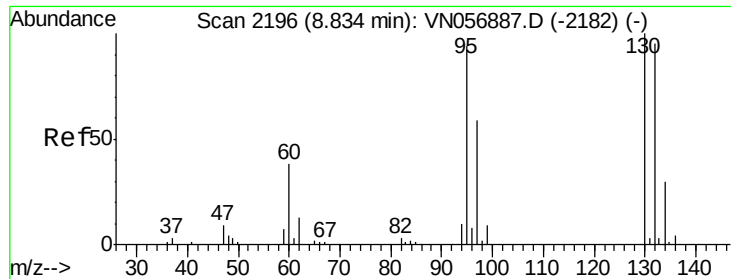
#36
1,2-Dichloroethane
Concen: 133.375 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion:	62	Resp:	697637
Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.7	11.5



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

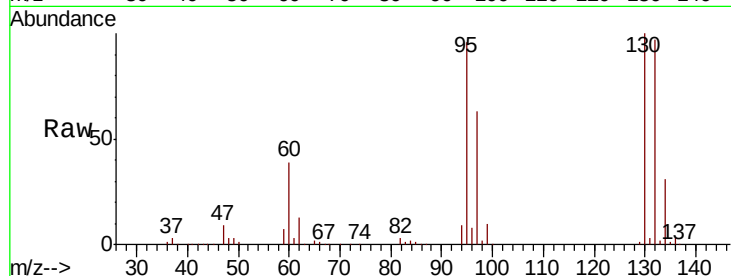




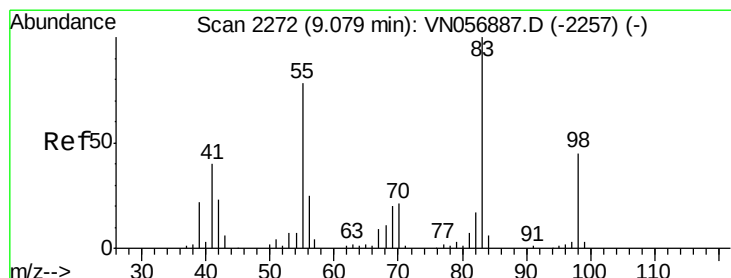
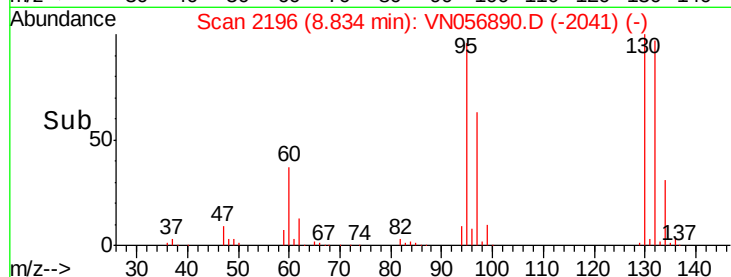
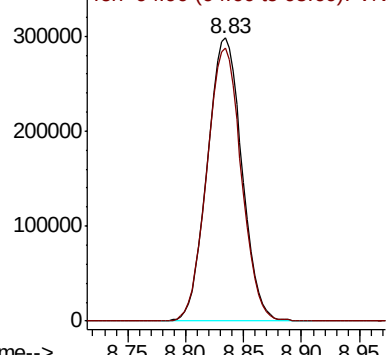
#37
 Trichloroethene
 Concen: 139.033 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 615798
 Ion Ratio Lower Upper
 130 100
 95 96.3 74.9 112.3

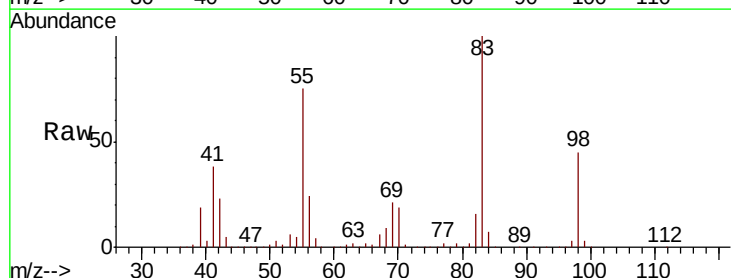


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

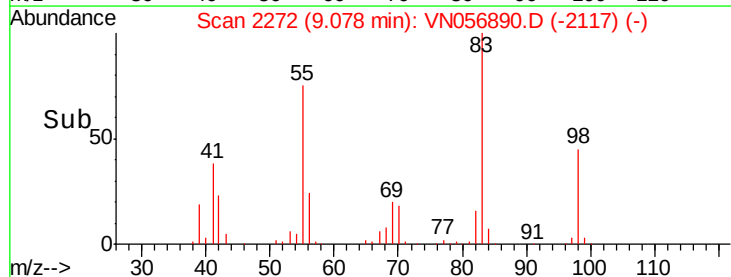
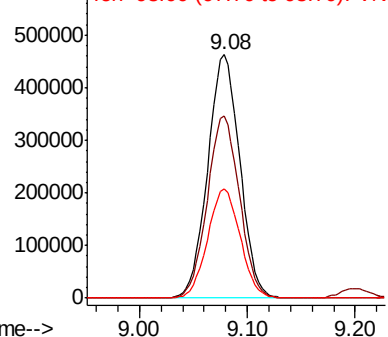


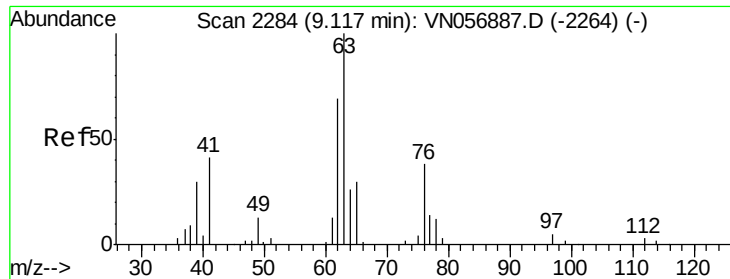
#38
 Methylcyclohexane
 Concen: 144.336 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 83 Resp: 961898
 Ion Ratio Lower Upper
 83 100
 55 74.9 38.4 115.1
 98 45.4 22.7 68.0



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





#39

1,2-Dichloropropane

Concen: 139.074 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

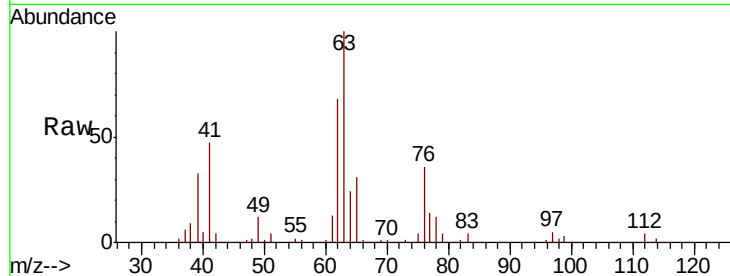
VSTDIC150

Tot Ion: 63 Resp: 610294

Ion Ratio Lower Upper

63 100

65 30.6 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2264) (-)

Ion 65.00 (64.70 to 65.70): VN056887.D (-2264) (-)

9.12

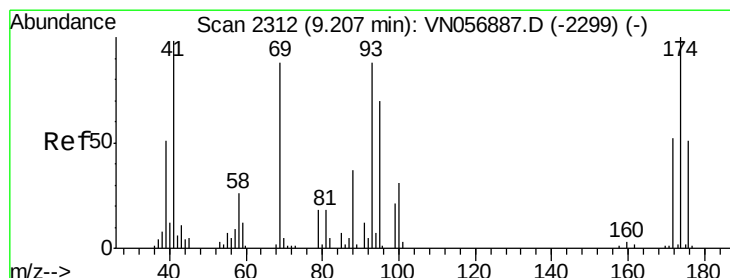
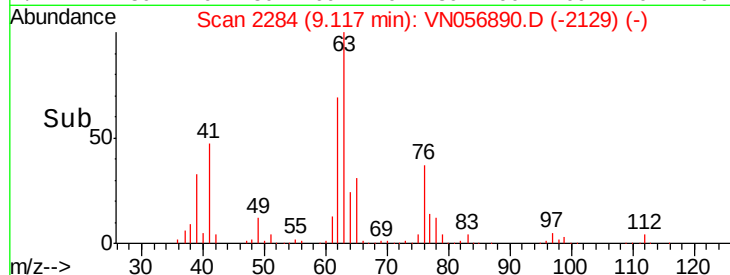
300000

200000

100000

0

Time-->



#40

Dibromomethane

Concen: 133.788 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

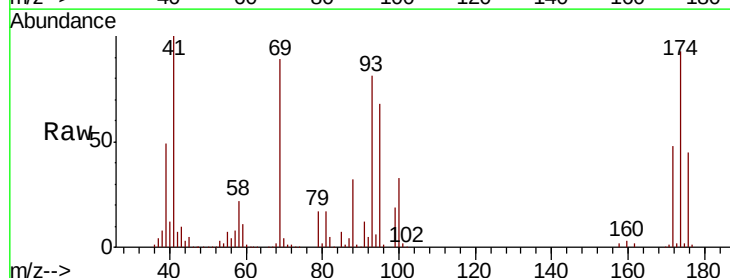
Tgt Ion: 93 Resp: 372240

Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.8

174 115.2 0.0 232.4



Abundance Ion 93.00 (92.70 to 93.70): VN056887.D (-2299) (-)

Ion 95.00 (94.70 to 95.70): VN056887.D (-2299) (-)

Ion 174.00 (173.70 to 174.70): VN056887.D (-2299) (-)

9.21

250000

200000

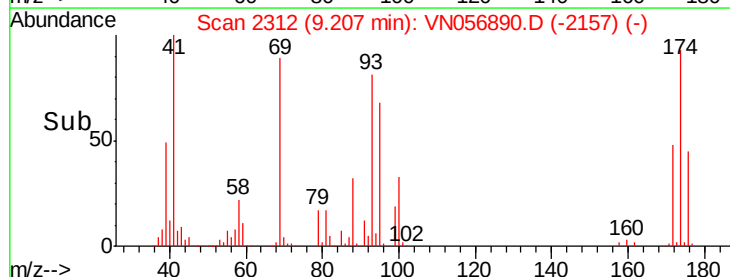
150000

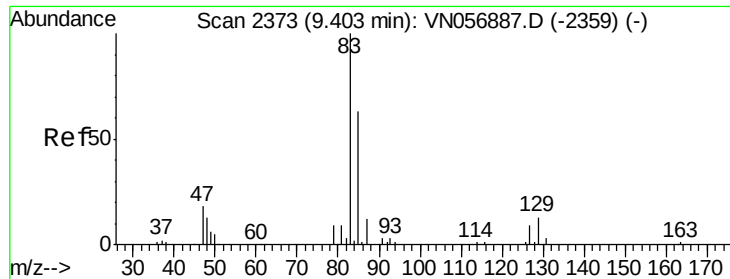
100000

50000

0

Time-->





#41

Bromodichloromethane

Concen: 144.693 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

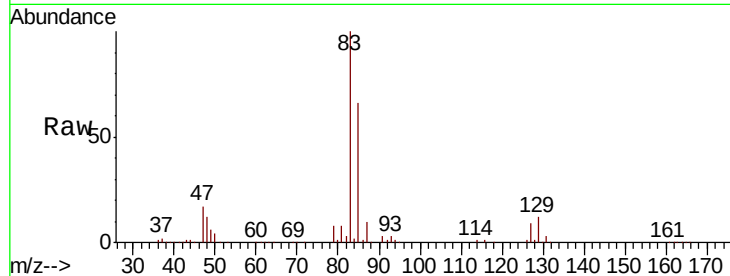
Tot Ion: 83 Resp: 746307

Ion Ratio Lower Upper

83 100

85 66.0 50.6 75.8

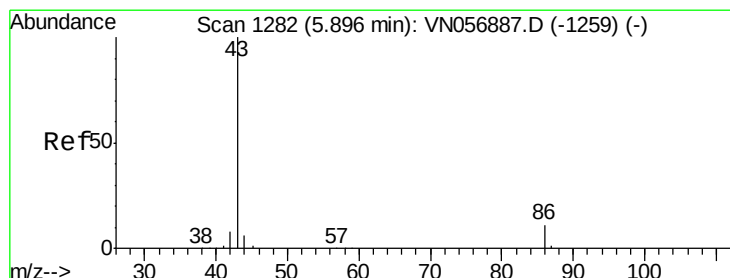
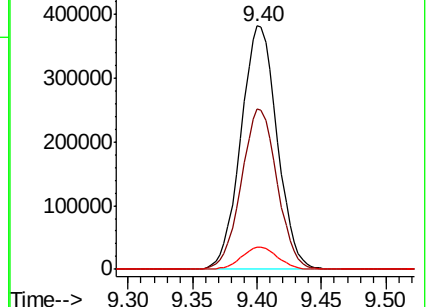
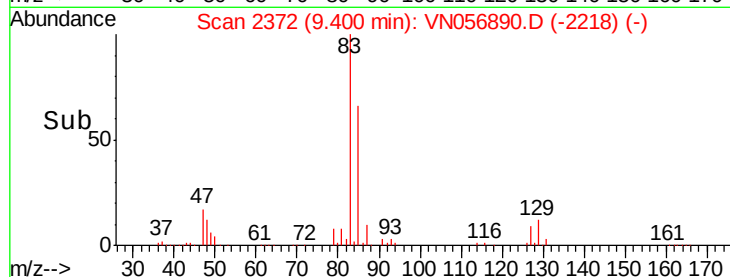
127 9.1 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 667.465 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056890.D

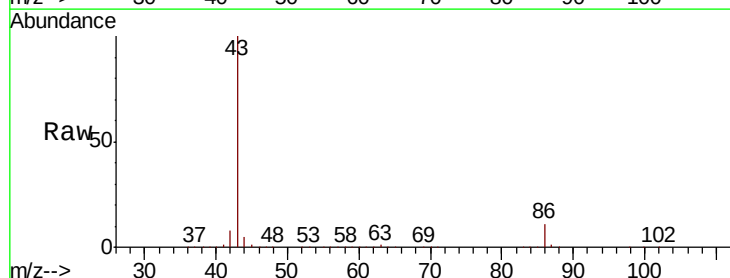
Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 6731588

Ion Ratio Lower Upper

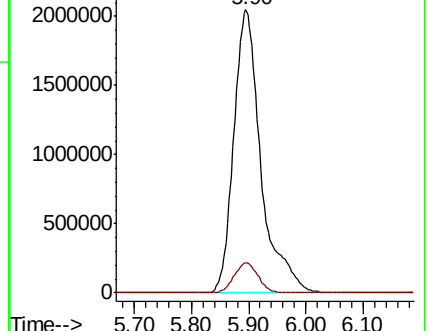
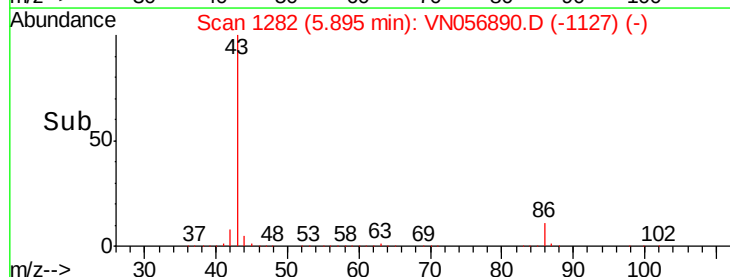
43 100

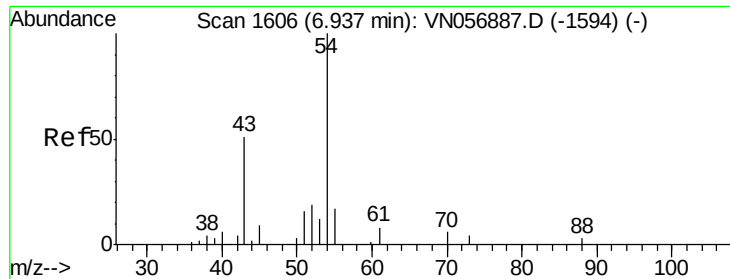
86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 114.274 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

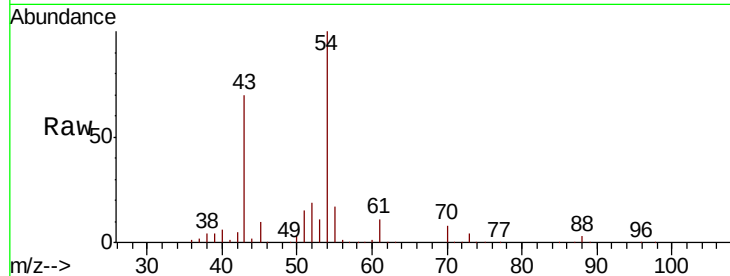
VSTDIC150

Tot Ion: 43 Resp: 608478

Ion Ratio Lower Upper

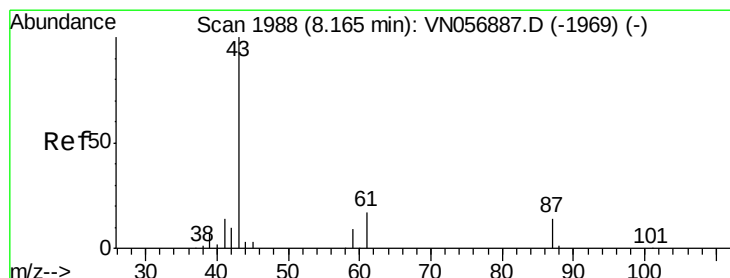
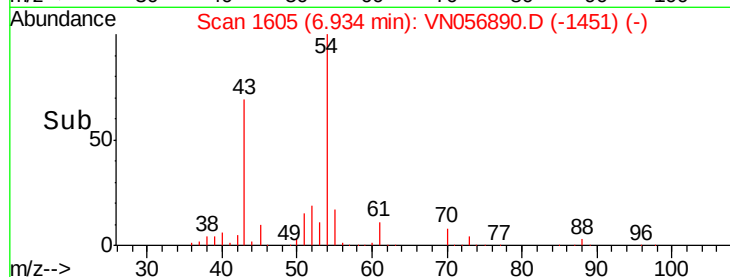
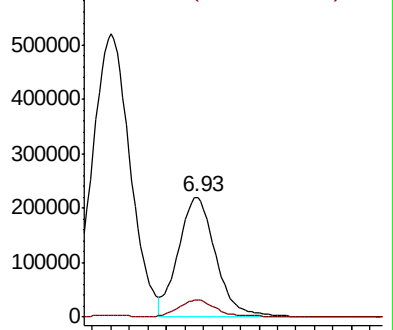
43 100

45 13.5 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 121.003 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056890.D

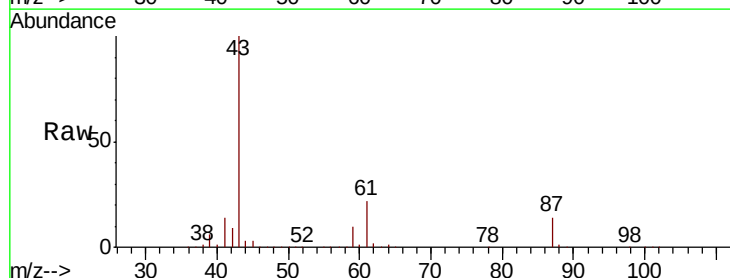
Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 1026577

Ion Ratio Lower Upper

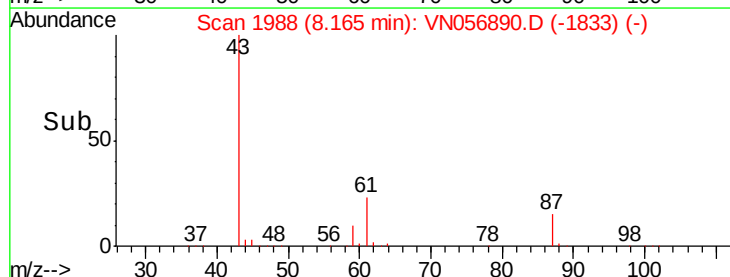
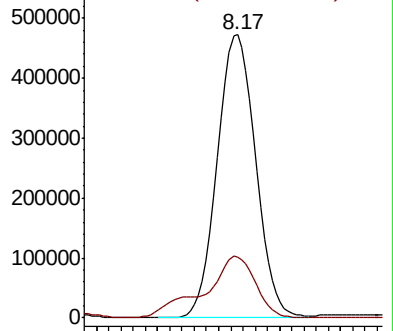
43 100

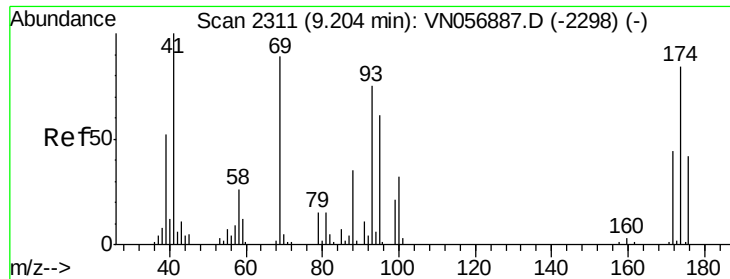
61 21.3 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 2284.881 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

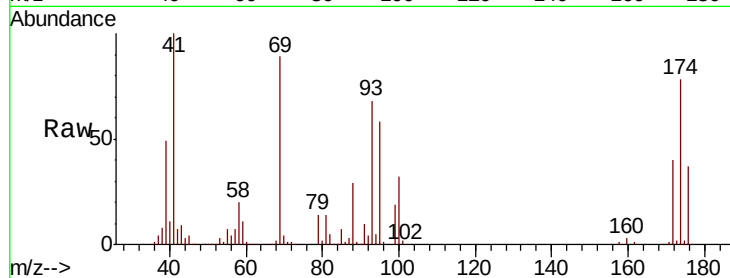
Tot Ion: 88 Resp: 191443

Ion Ratio Lower Upper

88 100

43 26.3 23.4 35.0

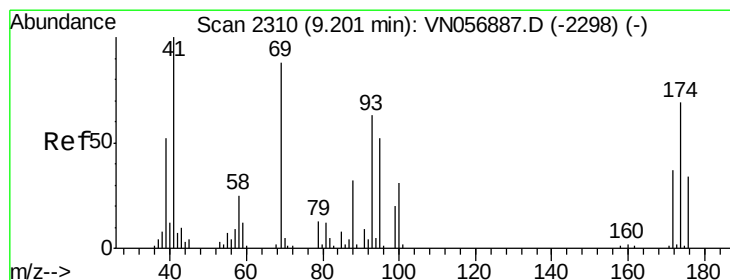
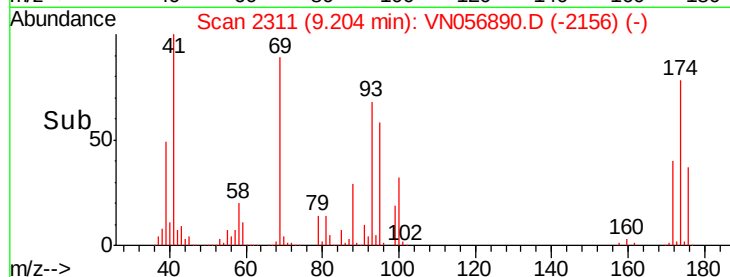
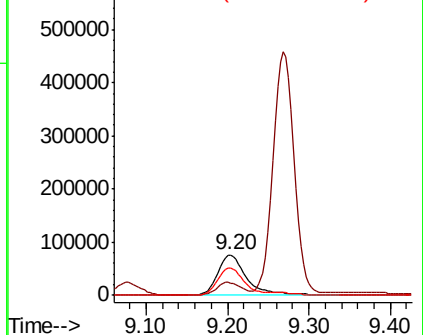
58 68.7 58.5 87.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 126.220 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

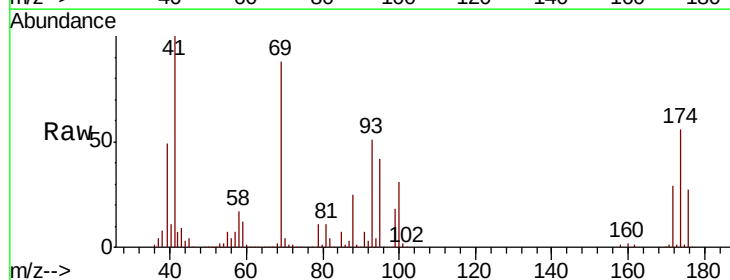
Tgt Ion: 41 Resp: 513137

Ion Ratio Lower Upper

41 100

69 88.1 44.0 132.0

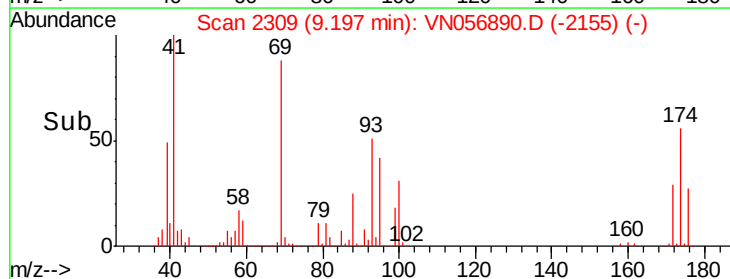
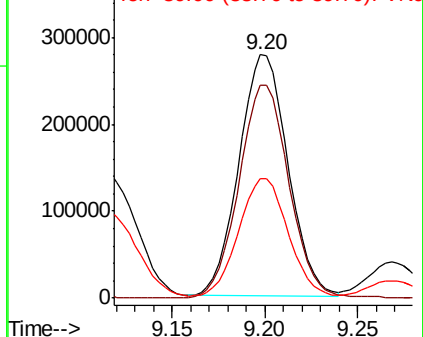
39 48.4 25.8 77.4

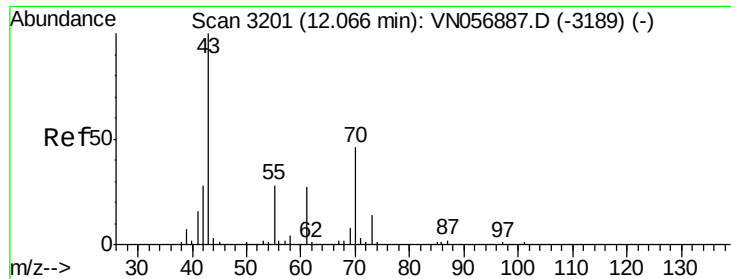


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 131.903 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

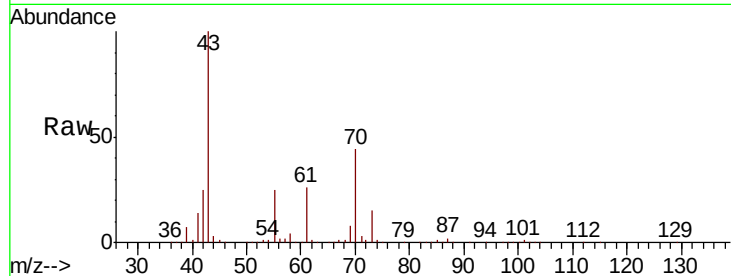
VSTDIC150

Tot Ion: 43 Resp: 907618

Ion Ratio Lower Upper

43 100

55 25.2 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

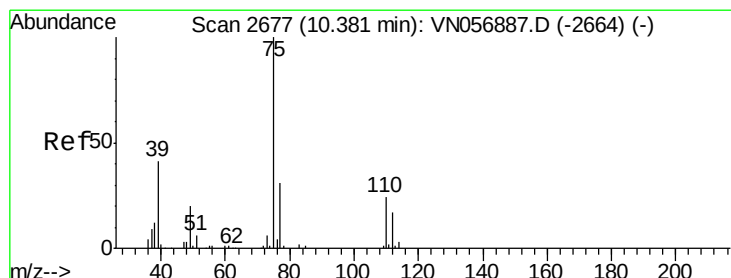
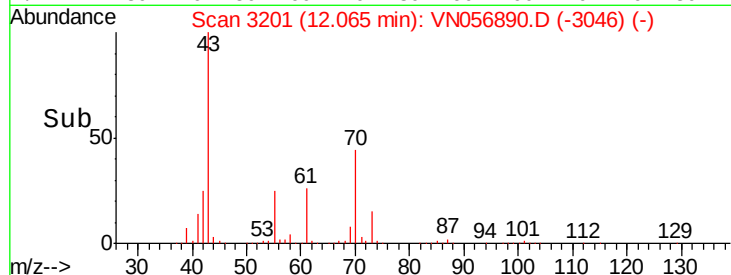
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 146.472 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056890.D

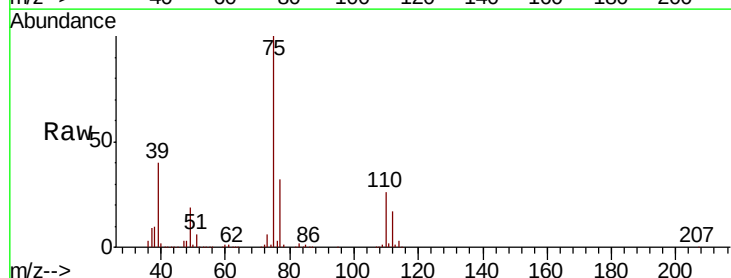
Acq: 23 Jul 2019 20:40

Tgt Ion: 75 Resp: 824093

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

500000

400000

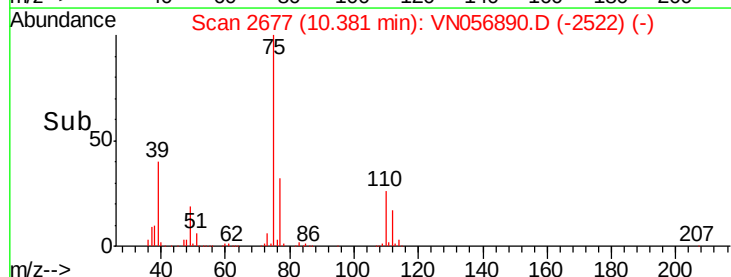
300000

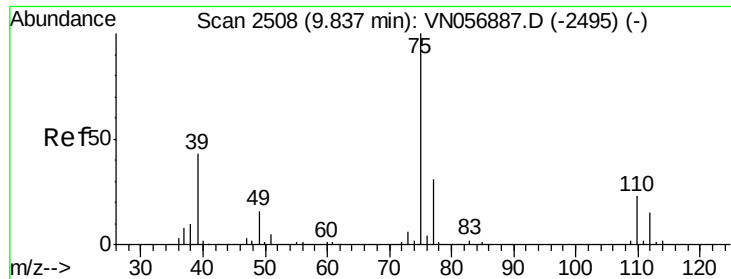
200000

100000

0

Time-->



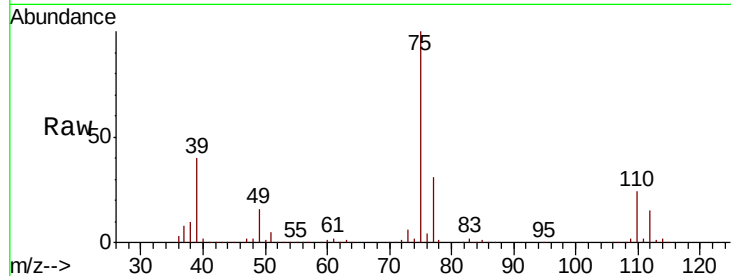


#49

cis-1,3-Dichloropropene
 Concen: 146.270 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6
39	40.4	34.2	51.4

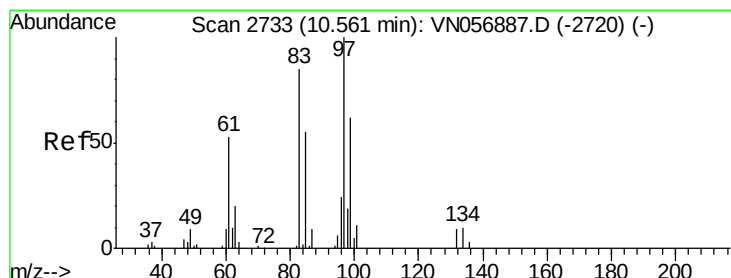
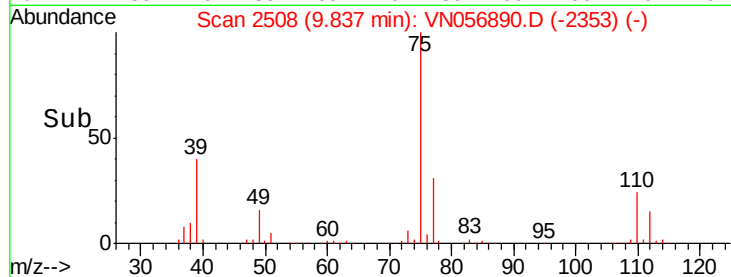
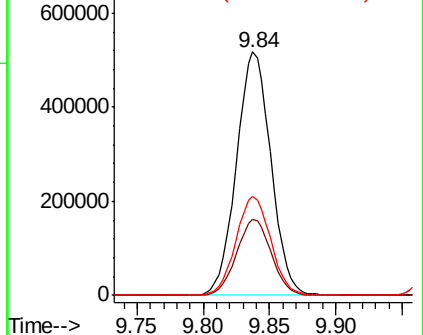


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 131.537 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.4	102.6
85	56.8	44.3	66.5
99	62.2	49.4	74.2

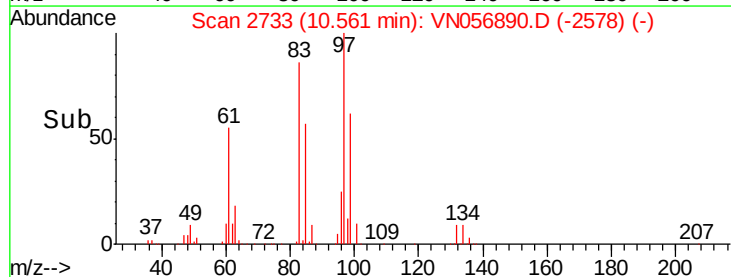
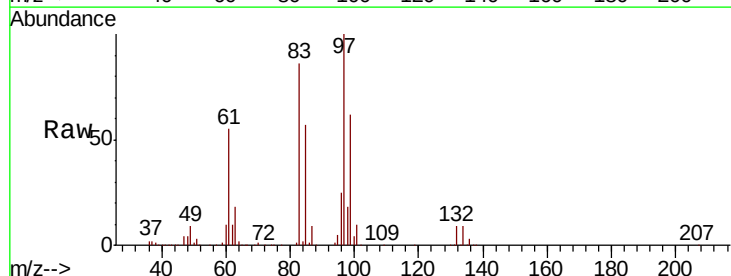
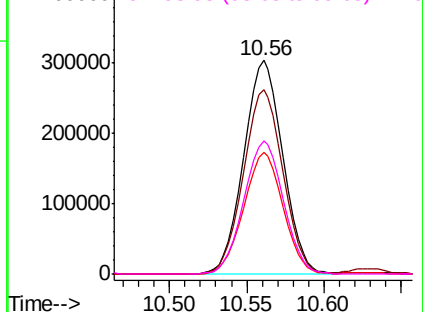
Abundance

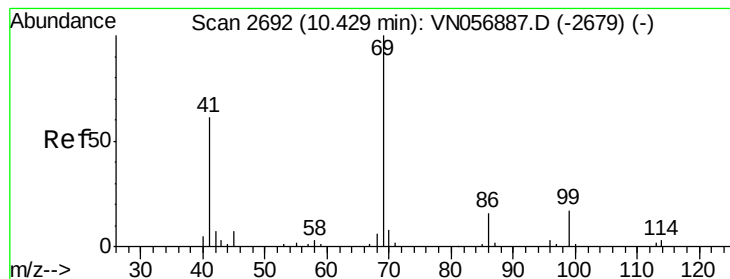
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 133.976 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

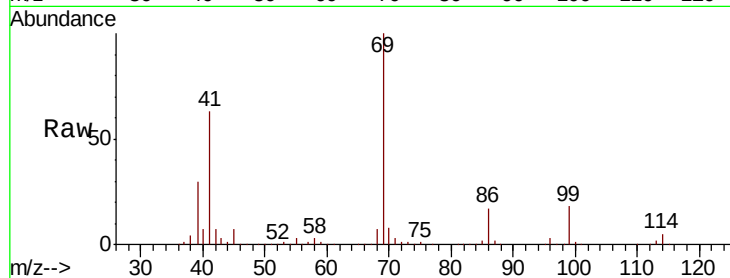
Tot Ion: 69 Resp: 826720

Ion Ratio Lower Upper

69 100

41 62.7 30.4 91.3

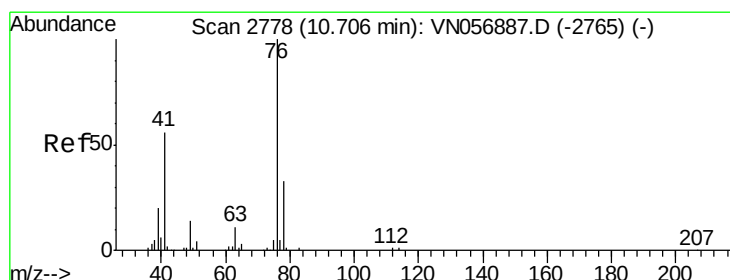
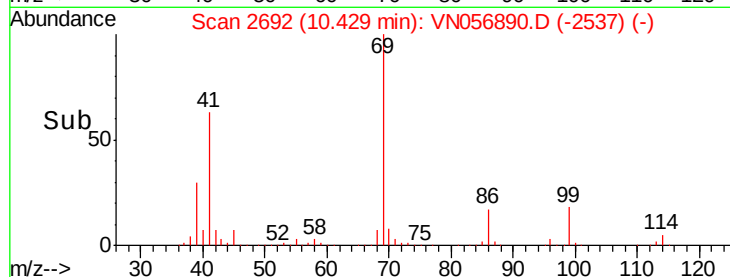
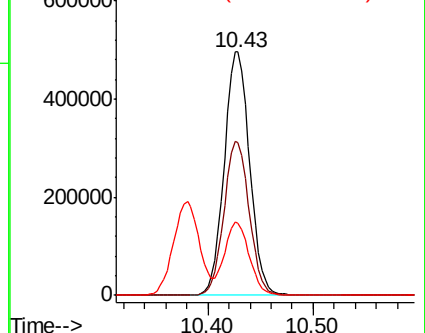
39 29.5 14.2 42.6



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: 135.049 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056890.D

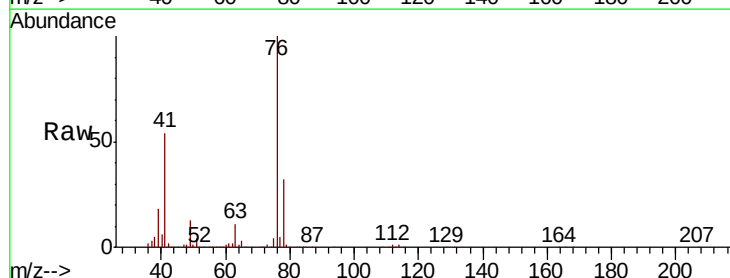
Acq: 23 Jul 2019 20:40

Tgt Ion: 76 Resp: 912866

Ion Ratio Lower Upper

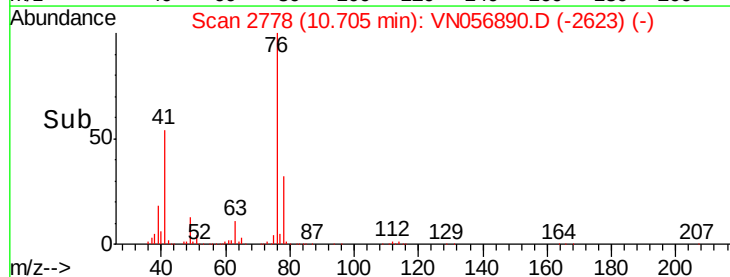
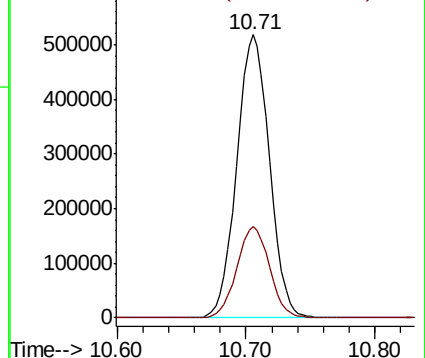
76 100

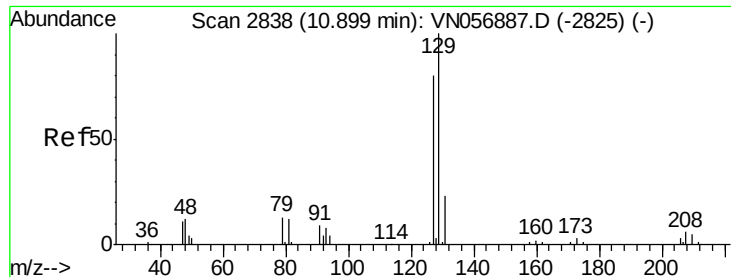
78 32.2 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

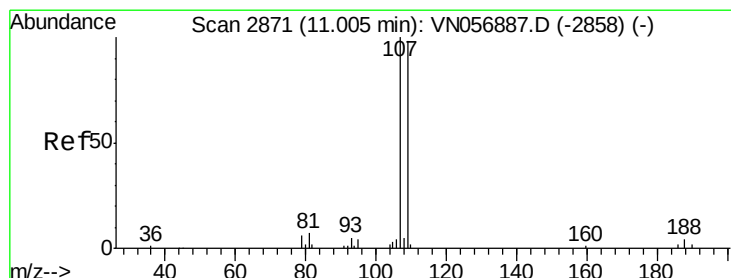
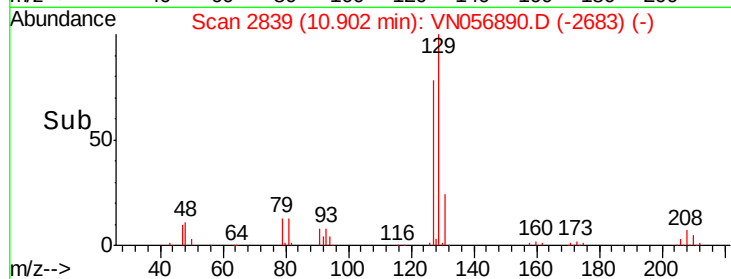
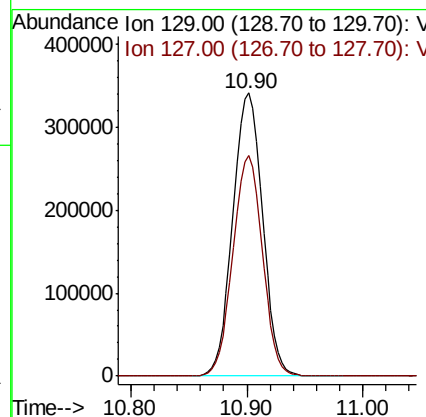
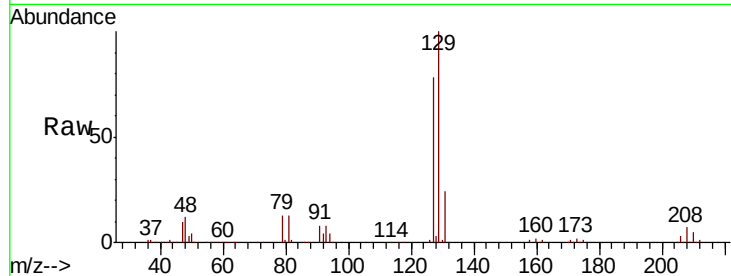




#53
Dibromochloromethane
Concen: 147.269 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

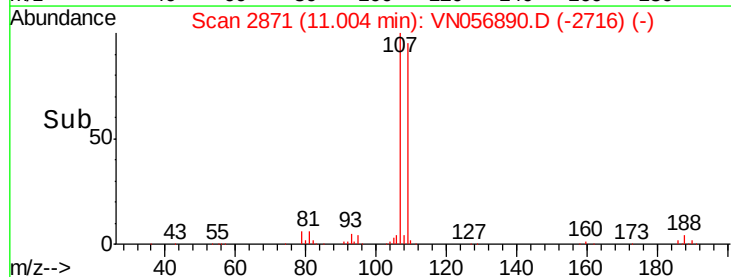
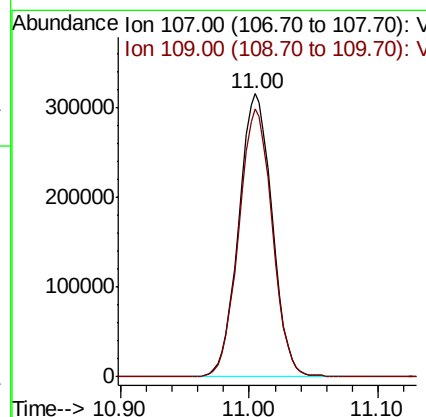
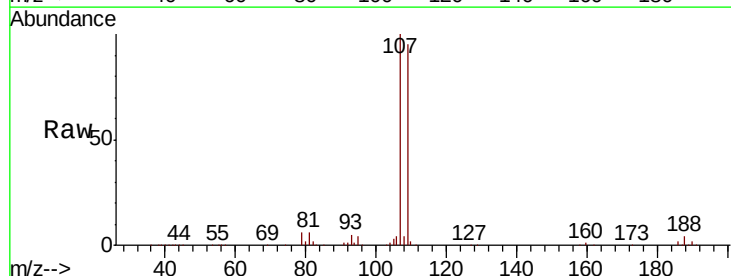
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

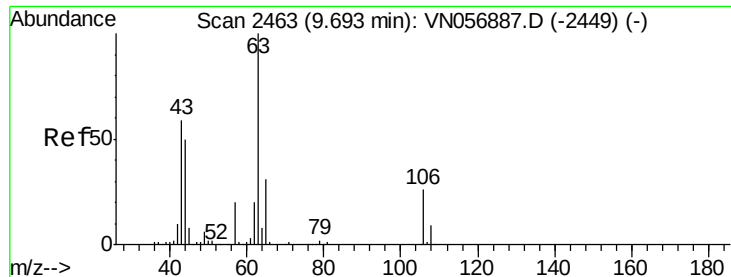
Tot Ion:129 Resp: 606748
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4



#54
1,2-Dibromoethane
Concen: 135.155 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion:107 Resp: 567329
Ion Ratio Lower Upper
107 100
109 95.0 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 611.161 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

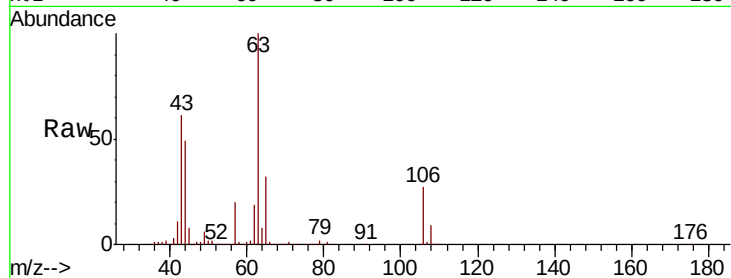
Tot Ion: 63 Resp: 1794461

Ion Ratio Lower Upper

63 100

65 32.0 25.1 37.7

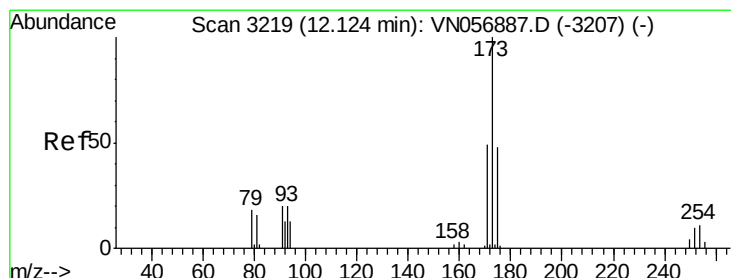
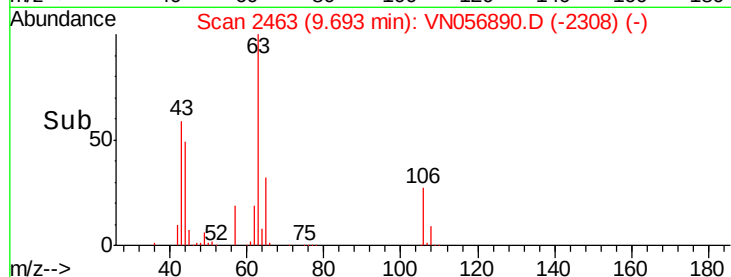
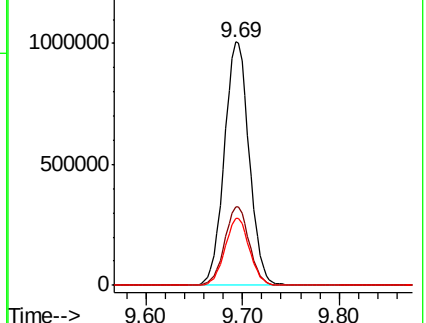
106 27.1 21.5 32.3



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)



#56

Bromoform

Concen: 144.158 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

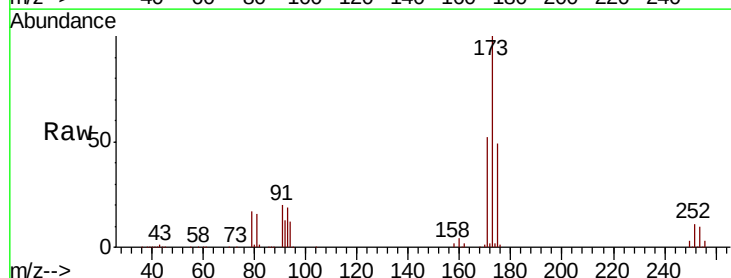
Tgt Ion: 173 Resp: 435007

Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

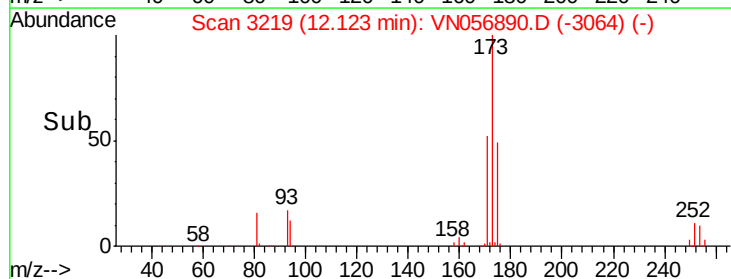
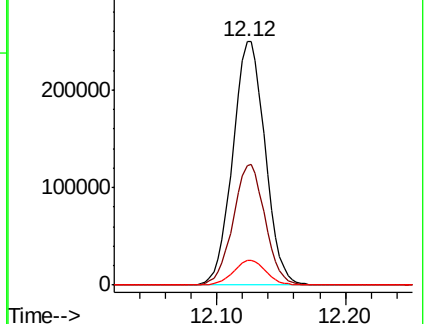
254 10.2 8.1 12.1

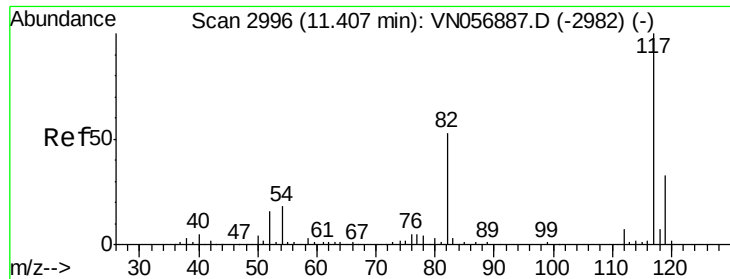


Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)

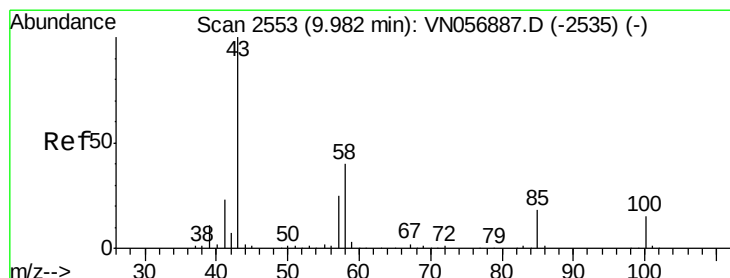
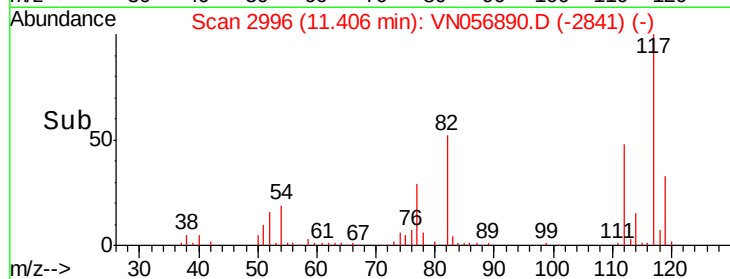
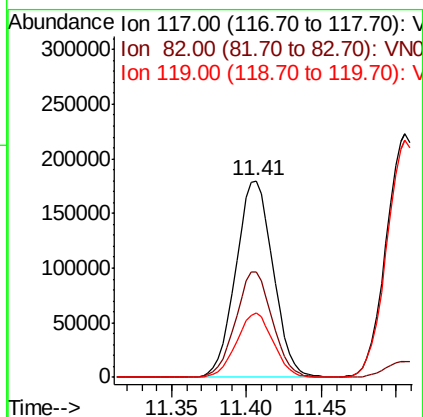
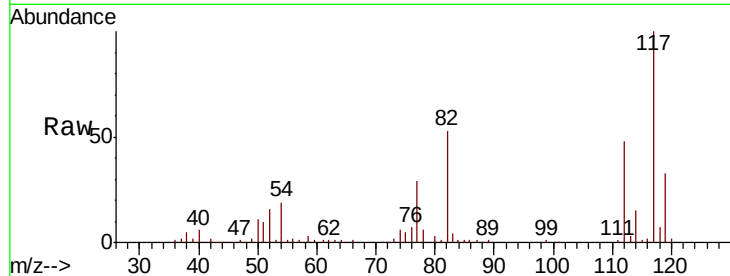




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

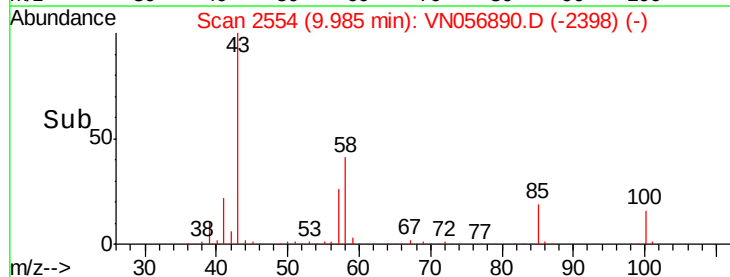
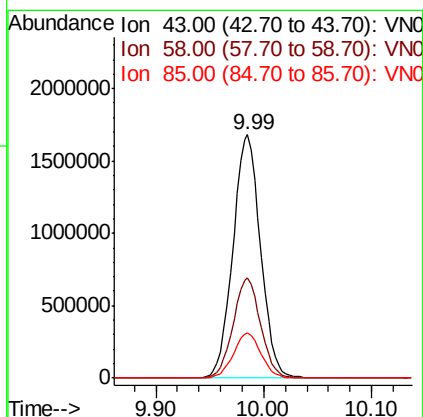
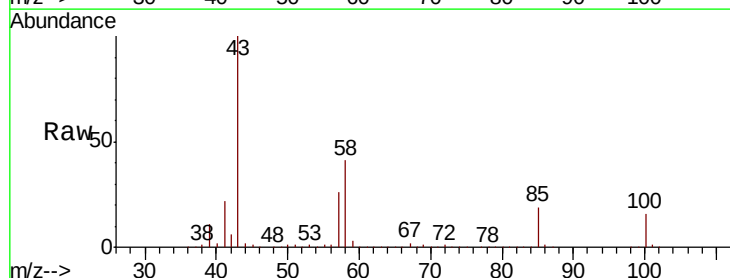
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

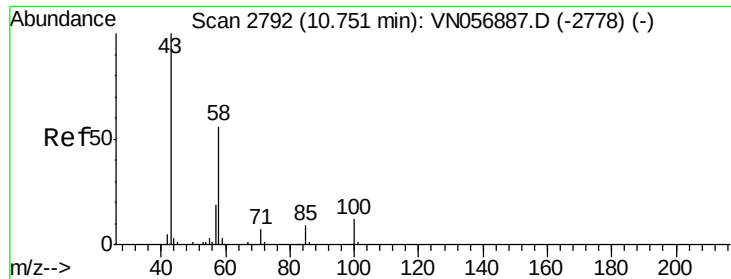
Tot Ion:117 Resp: 312213
 Ion Ratio Lower Upper
 117 100
 82 52.9 43.0 64.4
 119 32.1 26.2 39.2



#58
 4-Methyl-2-Pentanone
 Concen: 539.698 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 2993963
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.7 47.5
 85 18.5 14.5 21.7

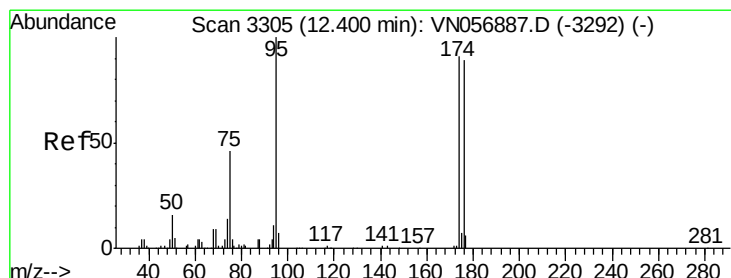
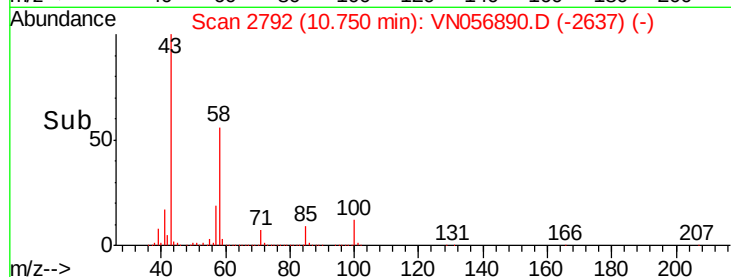
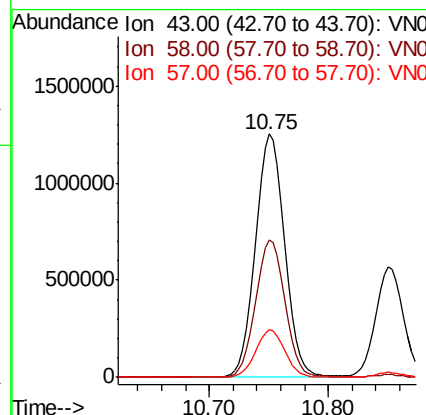
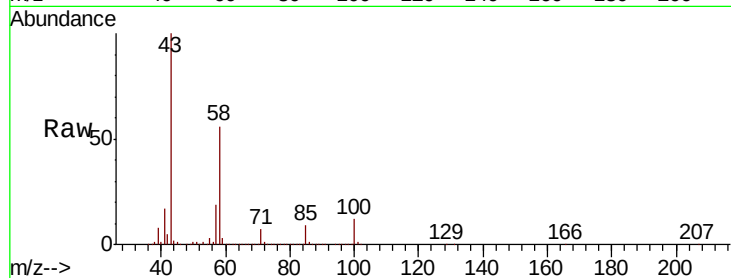




#59
2-Hexanone
Concen: 520.787 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

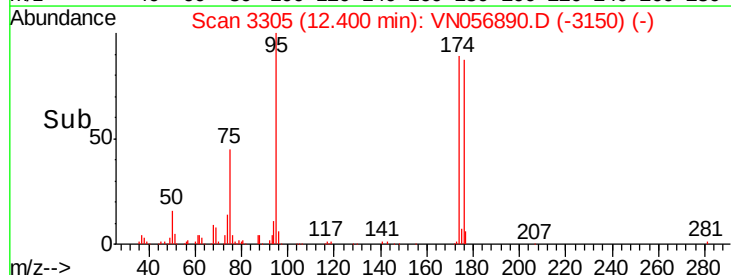
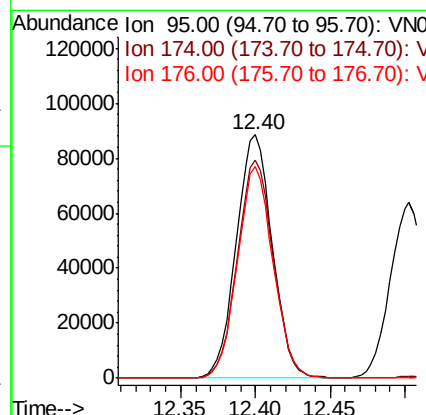
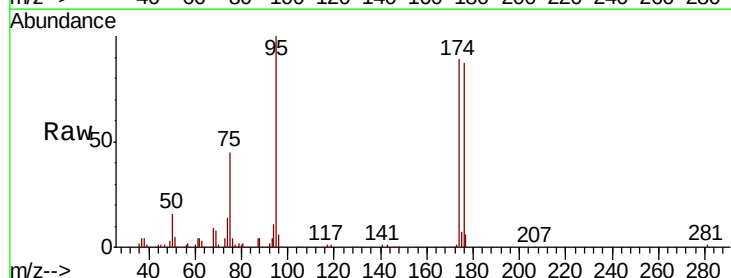
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

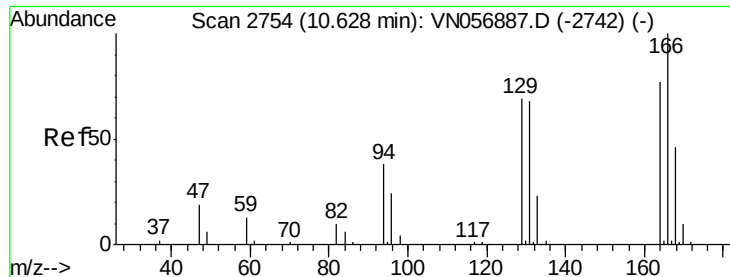
Tot Ion: 43 Resp: 2133197
Ion Ratio Lower Upper
43 100
58 56.7 45.0 67.4
57 19.6 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 31.361 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 95 Resp: 148736
Ion Ratio Lower Upper
95 100
174 89.6 71.9 107.9
176 85.9 69.8 104.8





#61

Tetrachloroethene

Concen: 133.821 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 596168

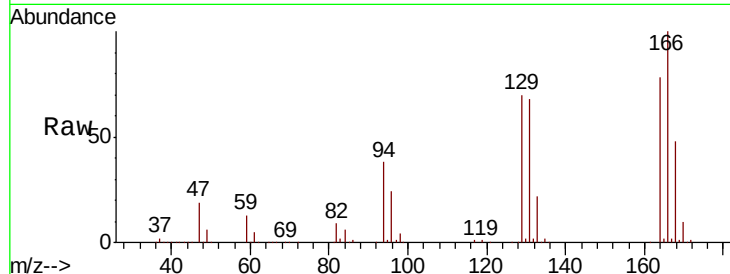
Ion Ratio Lower Upper

164 100

166 127.9 103.9 155.9

129 90.1 72.4 108.6

131 86.8 70.3 105.5

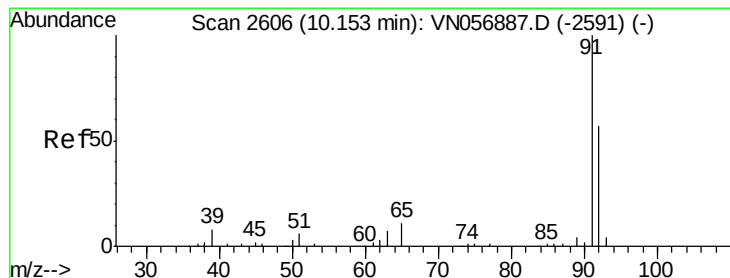
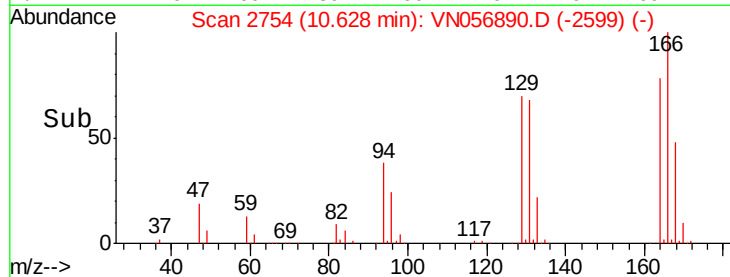
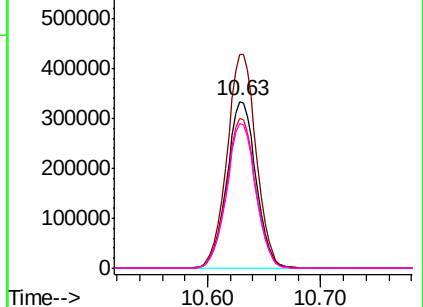


Abundance Ion 163.85 (163.55 to 164.55): V

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: 136.090 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056890.D

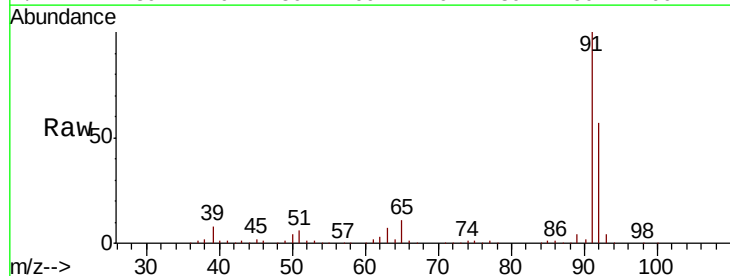
Acq: 23 Jul 2019 20:40

Tgt Ion: 91 Resp: 2444493

Ion Ratio Lower Upper

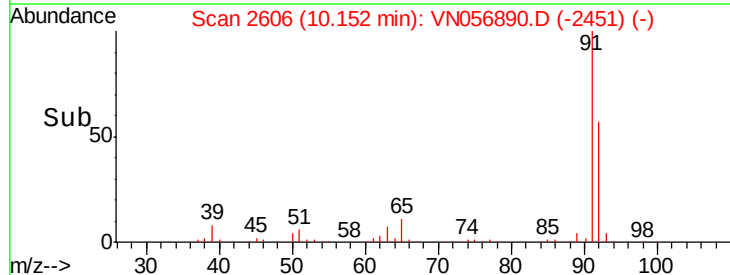
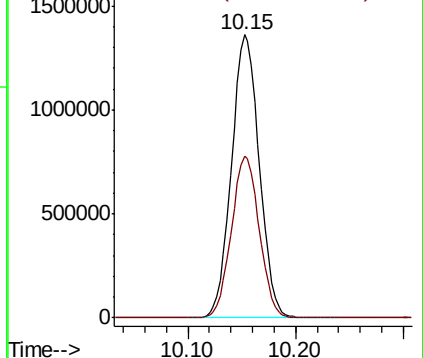
91 100

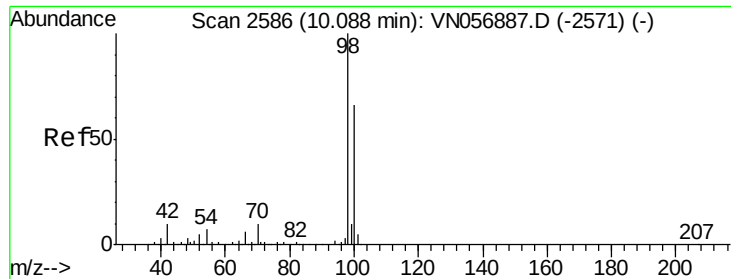
92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.650 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

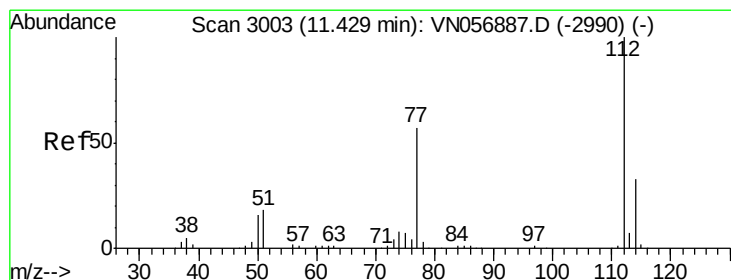
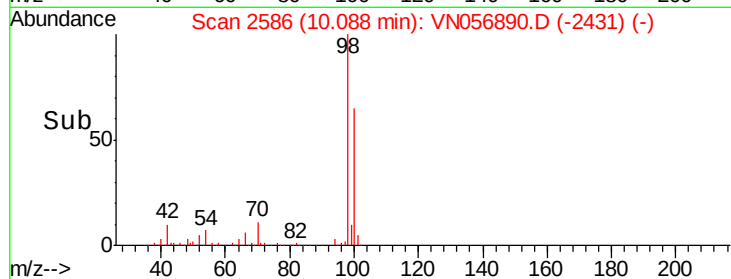
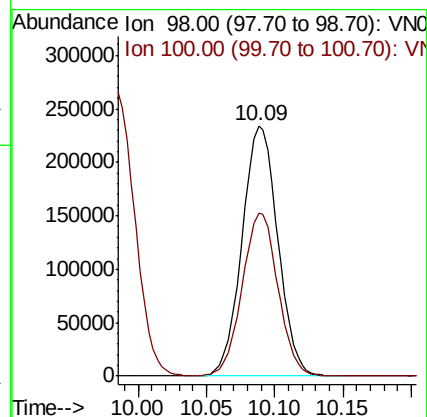
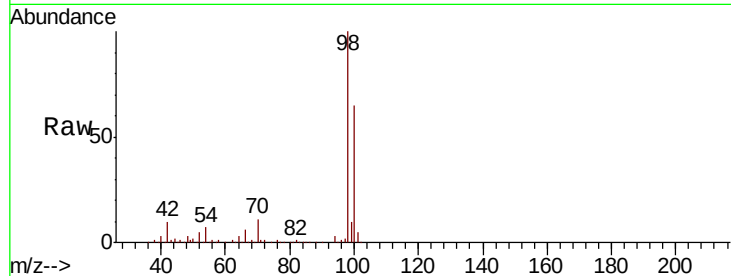
VSTDIC150

Tot Ion: 98 Resp: 425976

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2



#64

Chlorobenzene

Concen: 139.760 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056890.D

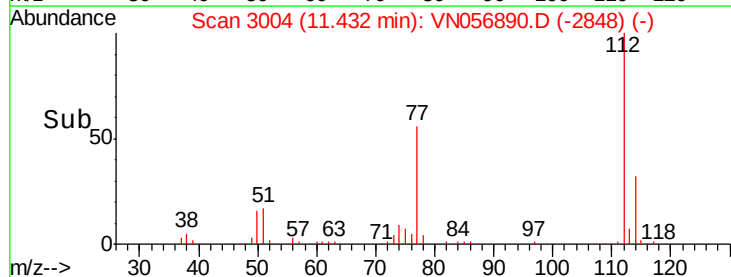
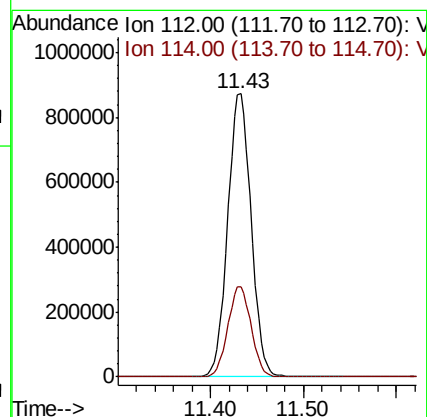
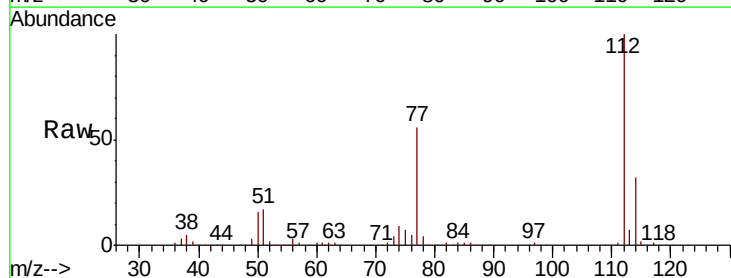
Acq: 23 Jul 2019 20:40

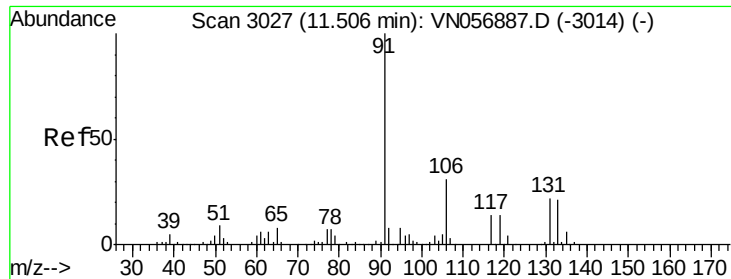
Tgt Ion: 112 Resp: 1529435

Ion Ratio Lower Upper

112 100

114 31.9 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 141.615 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

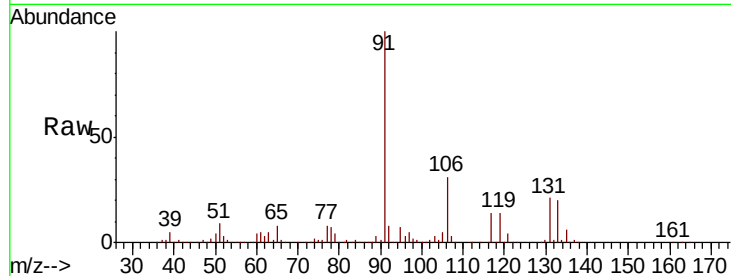
Tot Ion:131 Resp: 573153

Ion Ratio Lower Upper

131 100

133 95.4 0.0 189.6

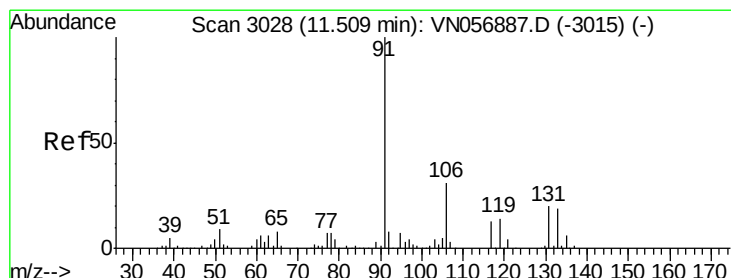
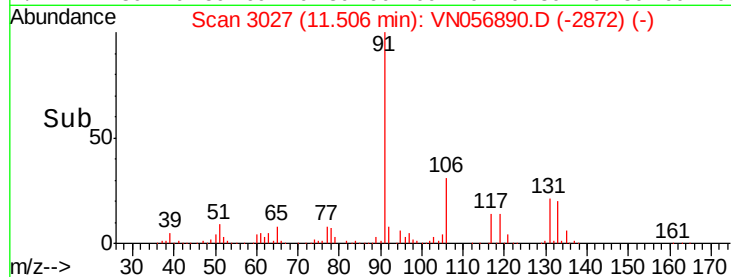
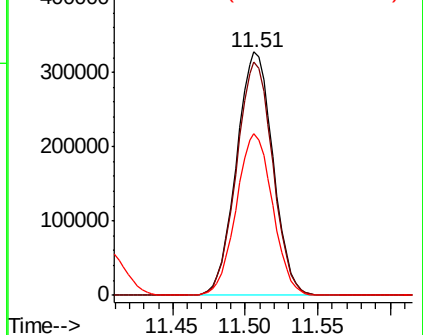
119 66.0 0.0 133.6



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: 140.984 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056890.D

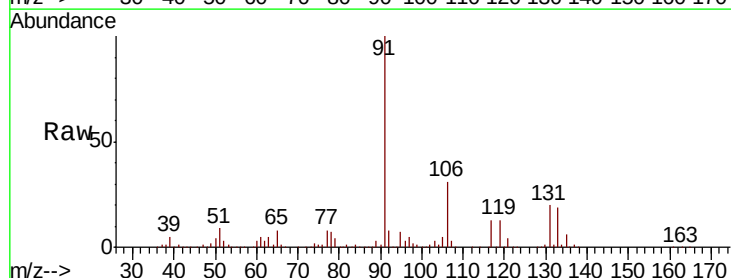
Acq: 23 Jul 2019 20:40

Tgt Ion: 91 Resp: 2720692

Ion Ratio Lower Upper

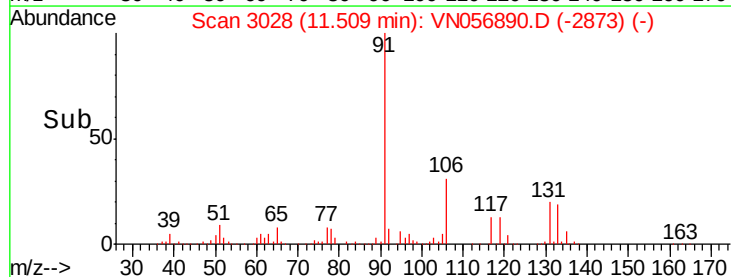
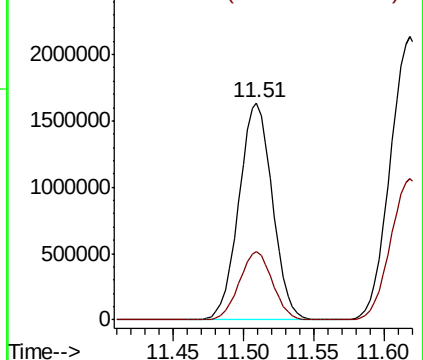
91 100

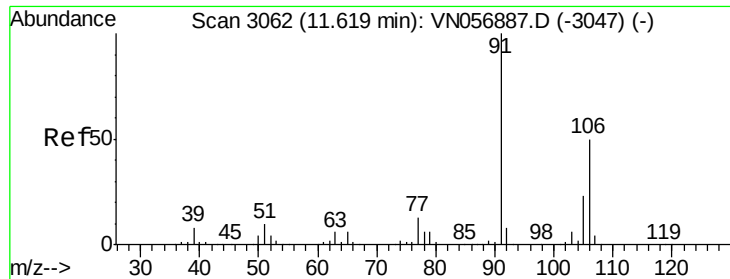
106 31.3 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

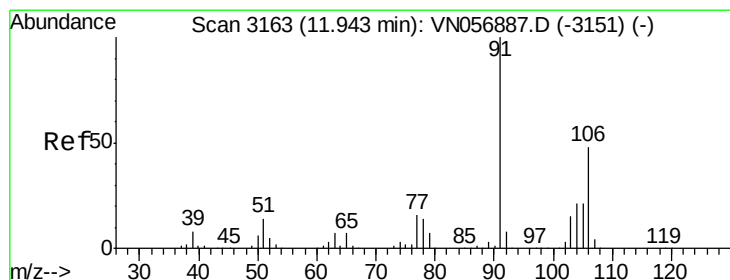
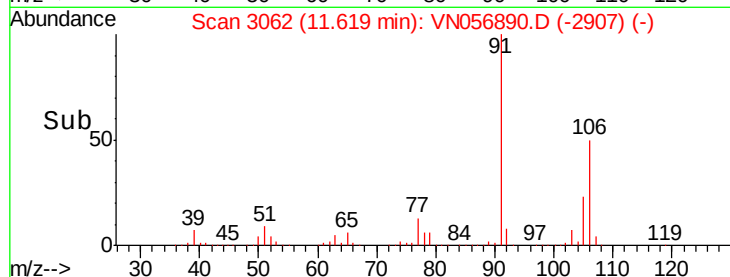
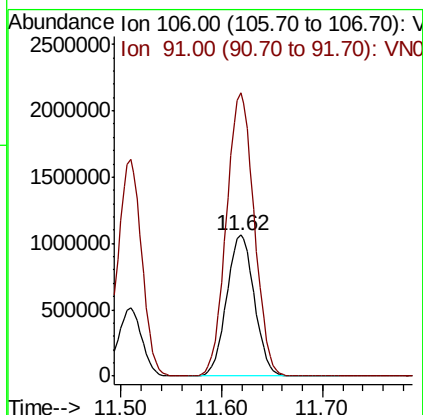
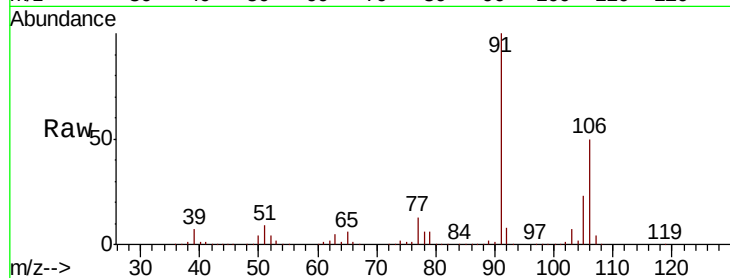




#67
m/p-Xylenes
Concen: 280.338 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

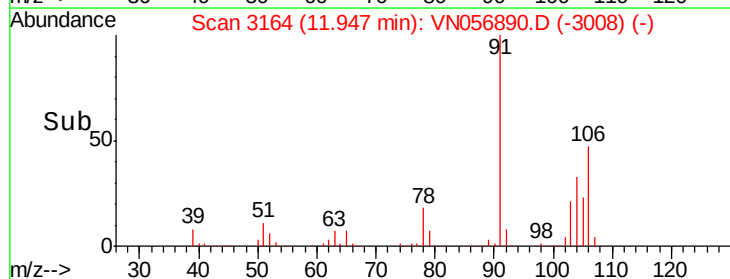
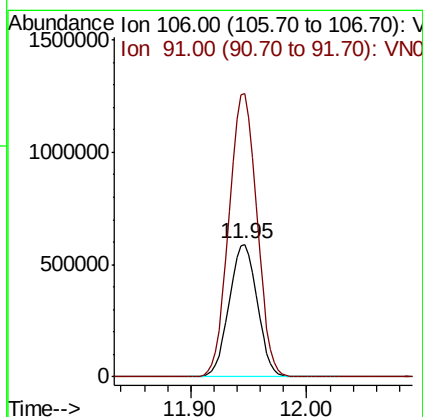
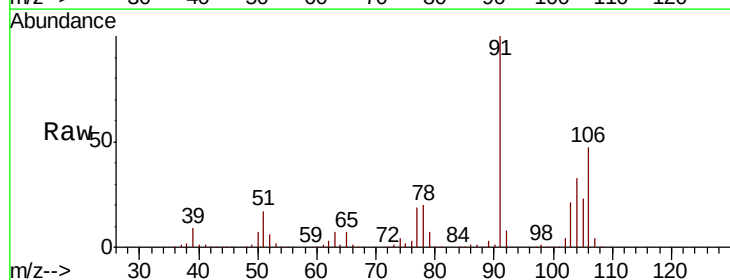
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

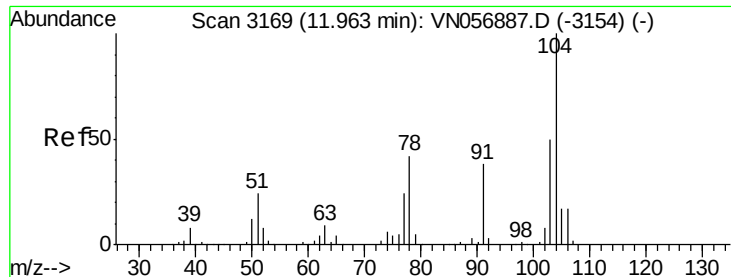
Tot Ion:106 Resp: 2035880
Ion Ratio Lower Upper
106 100
91 201.7 160.6 240.8



#68
o-Xylene
Concen: 138.384 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion:106 Resp: 986258
Ion Ratio Lower Upper
106 100
91 213.2 106.2 318.6





#69

Stvrene

Concen: 144.555 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

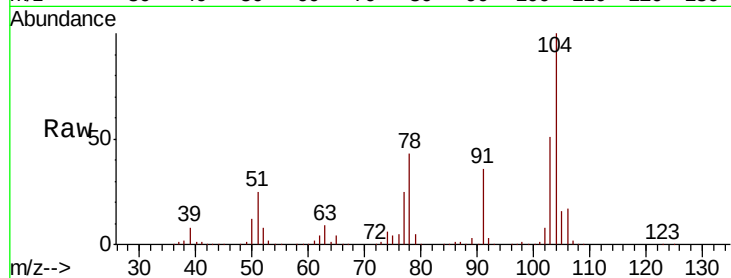
Tot Ion:104 Resp: 1697267

Ion Ratio Lower Upper

104 100

78 48.0 38.5 57.7

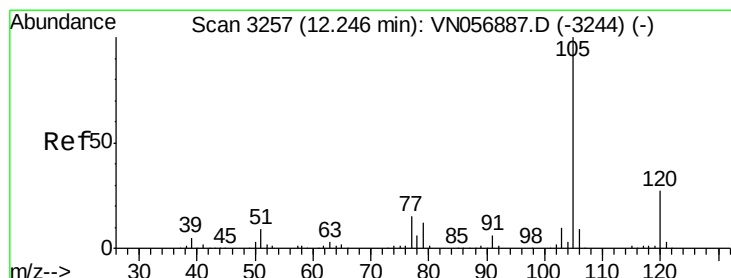
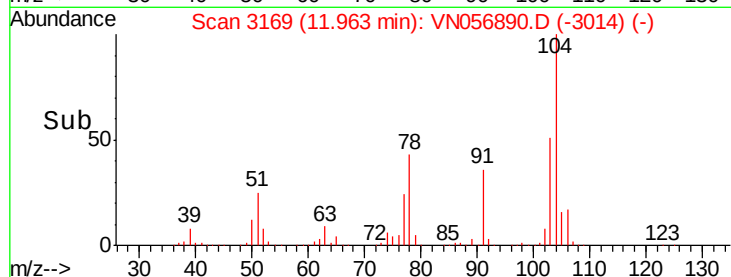
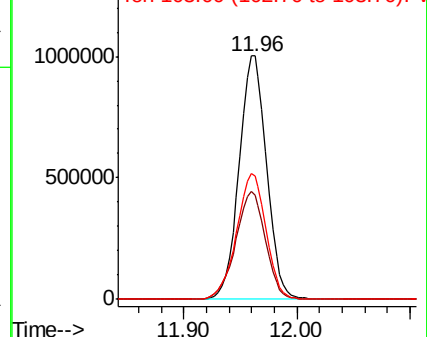
103 55.4 44.7 67.1



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: 141.128 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056890.D

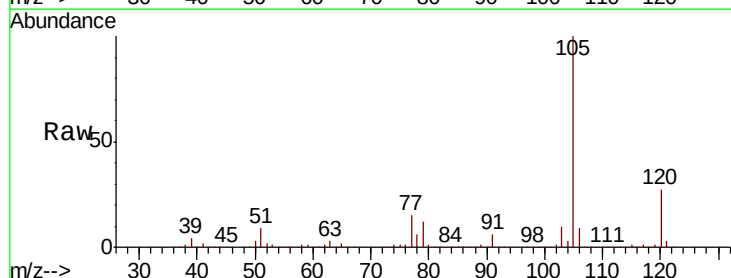
Acq: 23 Jul 2019 20:40

Tgt Ion:105 Resp: 2630623

Ion Ratio Lower Upper

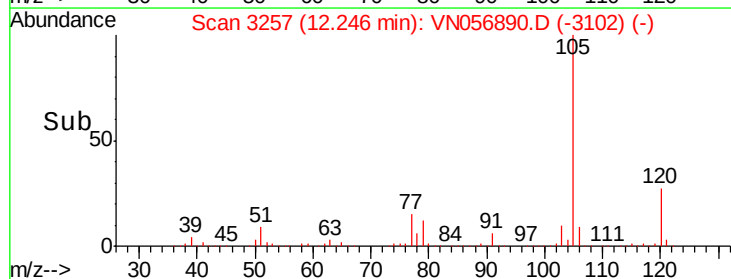
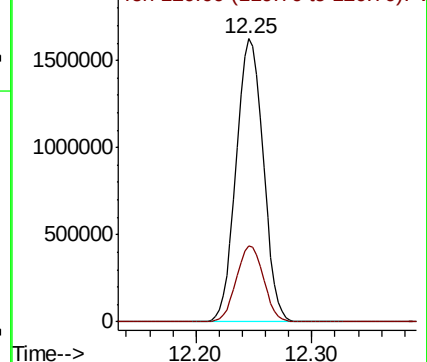
105 100

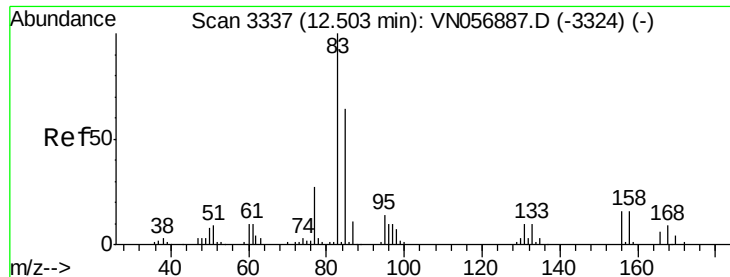
120 26.9 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

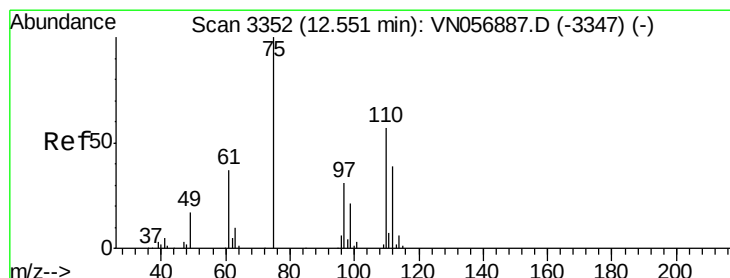
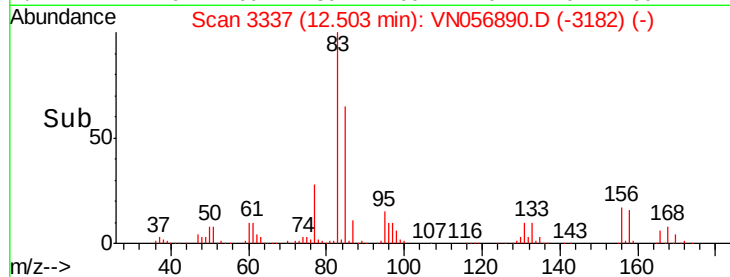
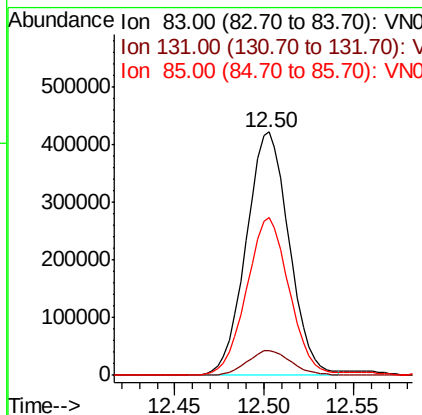
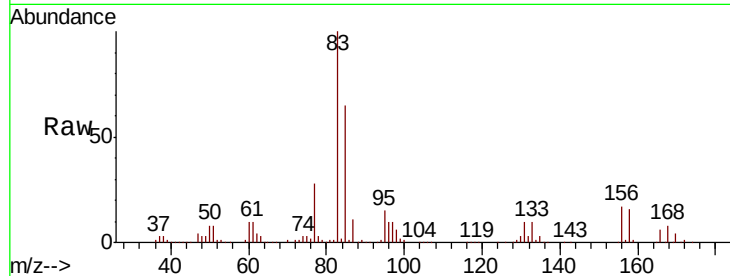




#71
 1,1,2,2-Tetrachloroethane
 Concen: 119.890 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

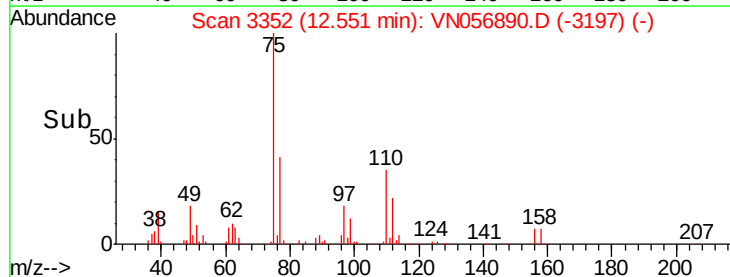
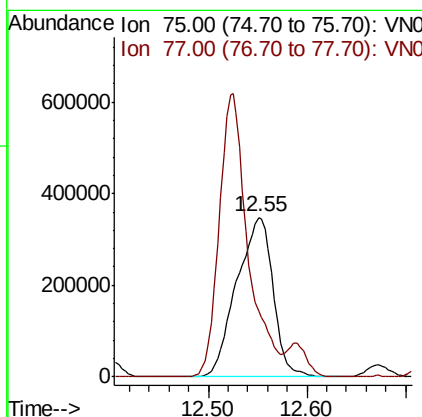
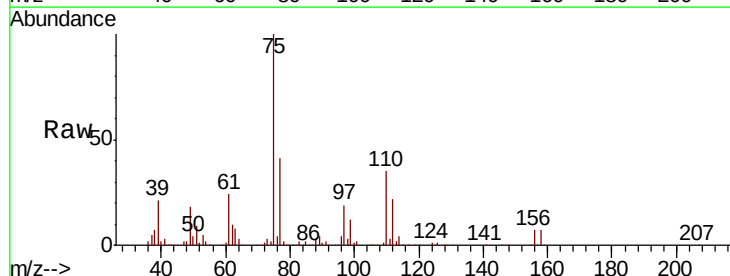
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

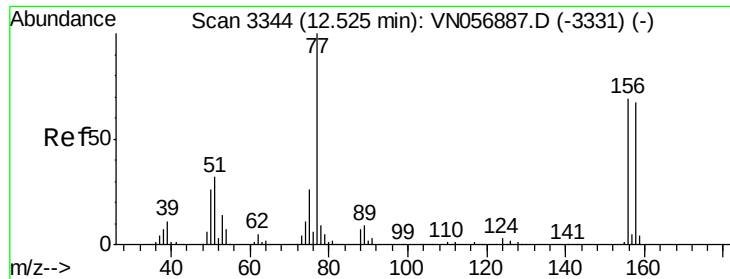
Tot Ion: 83 Resp: 712441
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.1 15.2
 85 64.4 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 176.541 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 75 Resp: 892528
 Ion Ratio Lower Upper
 75 100
 77 141.8 0.0 378.6





#73

Bromobenzene

Concen: 142.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

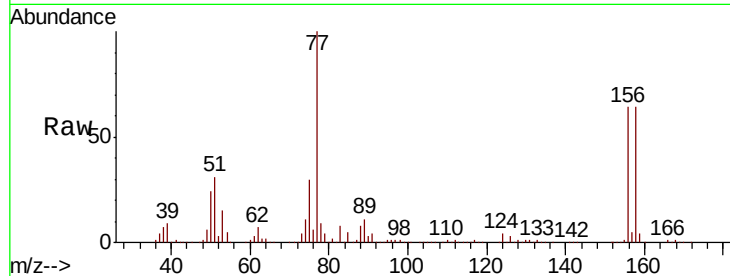
Tot Ion:156 Resp: 694604

Ion Ratio Lower Upper

156 100

77 182.2 0.0 364.6

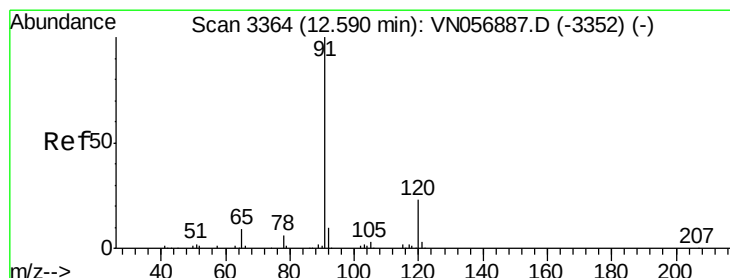
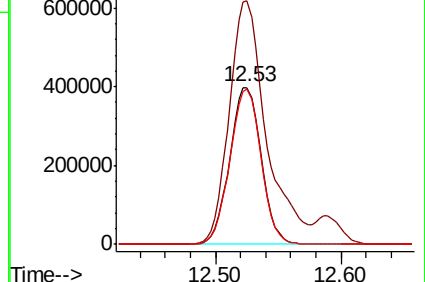
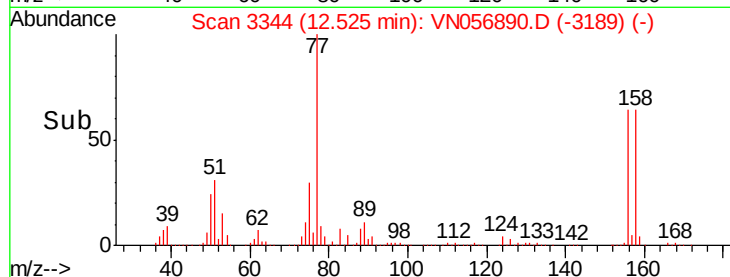
158 97.5 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 145.229 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056890.D

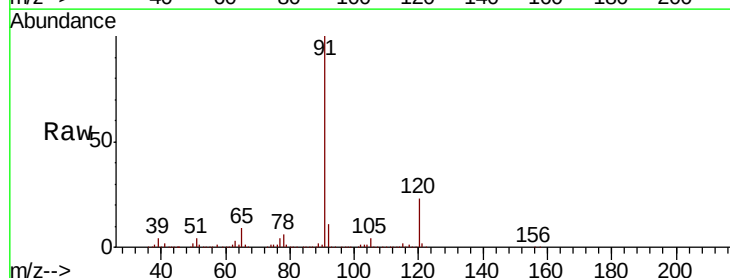
Acq: 23 Jul 2019 20:40

Tgt Ion: 91 Resp: 3015312

Ion Ratio Lower Upper

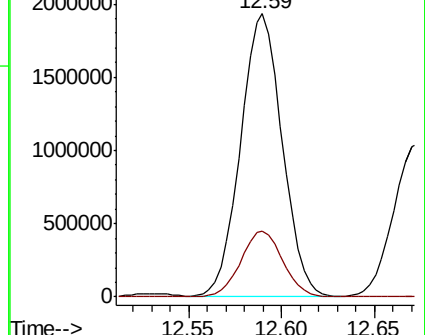
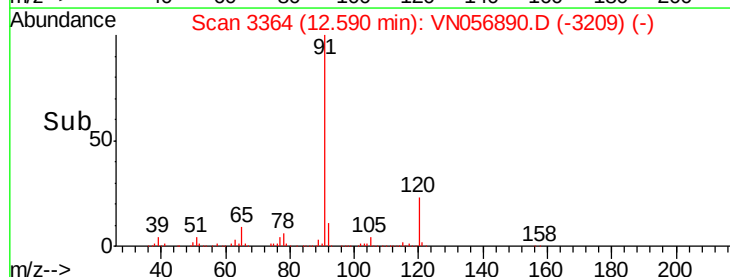
91 100

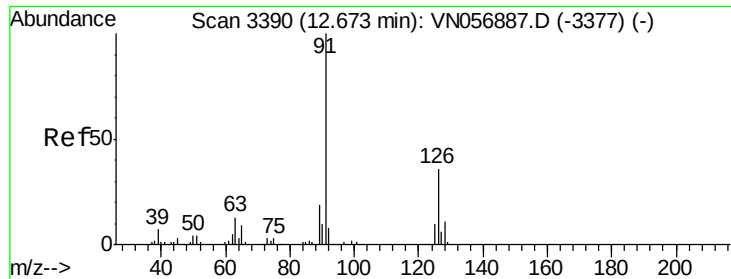
120 23.4 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 139.626 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

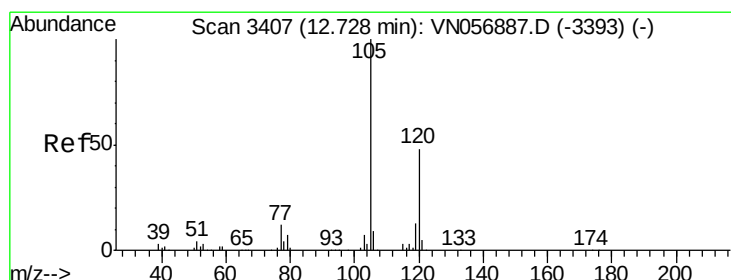
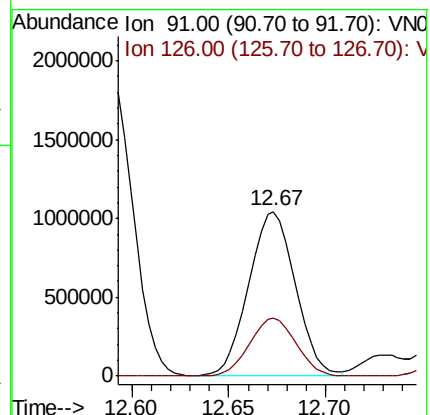
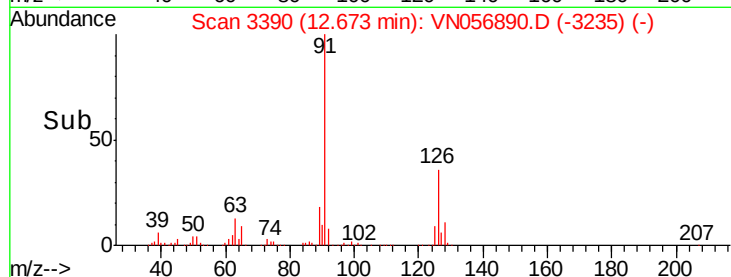
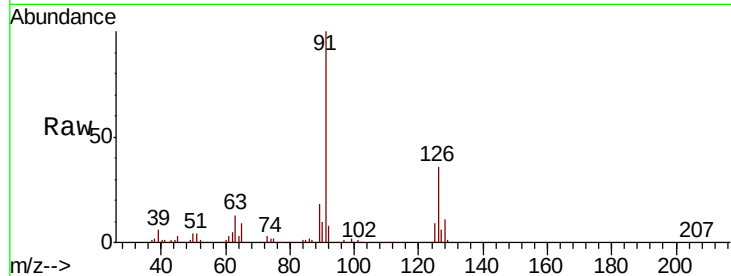
VSTDIC150

Tot Ion: 91 Resp: 1758560

Ion Ratio Lower Upper

91 100

126 35.3 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 139.875 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056890.D

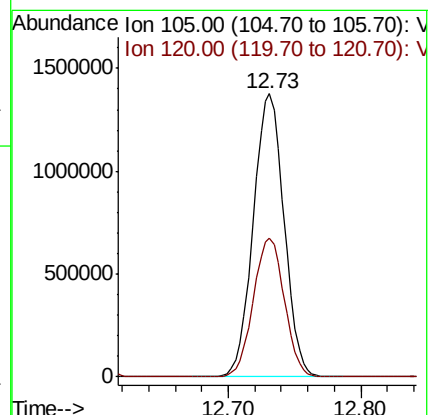
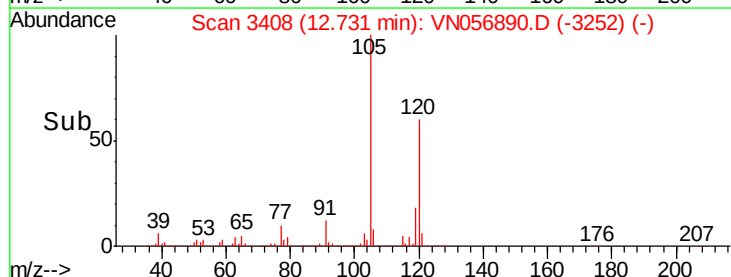
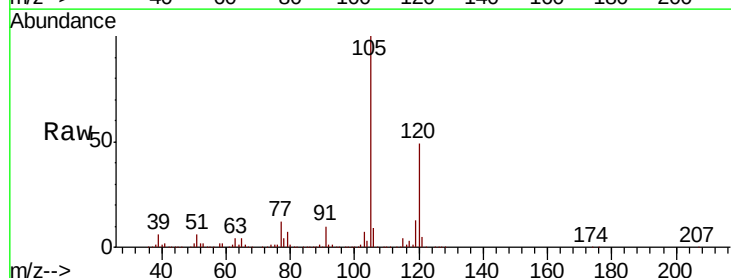
Acq: 23 Jul 2019 20:40

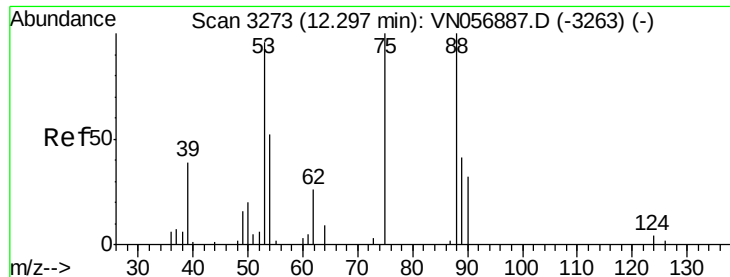
Tgt Ion:105 Resp: 2209065

Ion Ratio Lower Upper

105 100

120 49.6 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 137.059 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

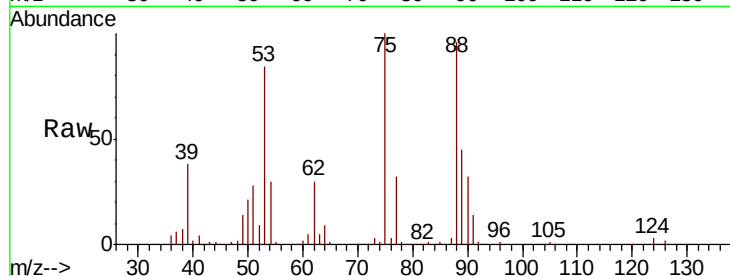
Tot Ion: 75 Resp: 230323

Ion Ratio Lower Upper

75 100

53 84.3 48.0 144.0

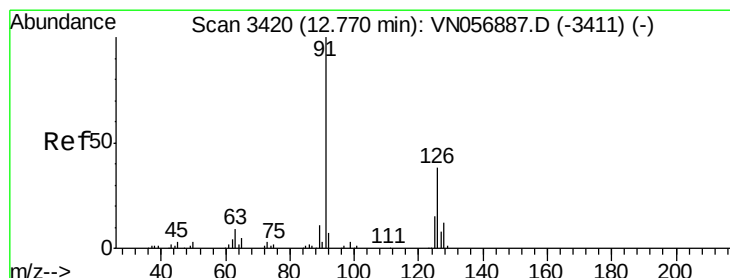
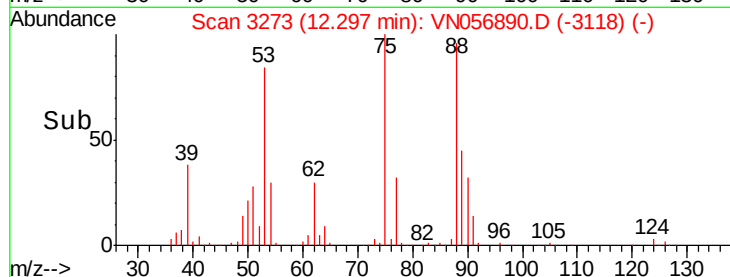
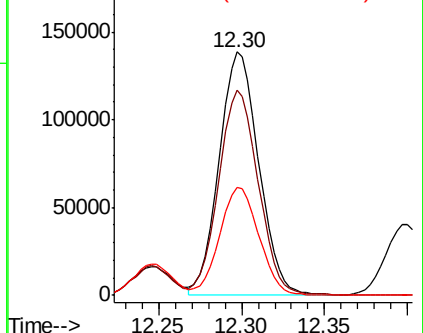
89 44.7 21.4 64.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 147.059 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056890.D

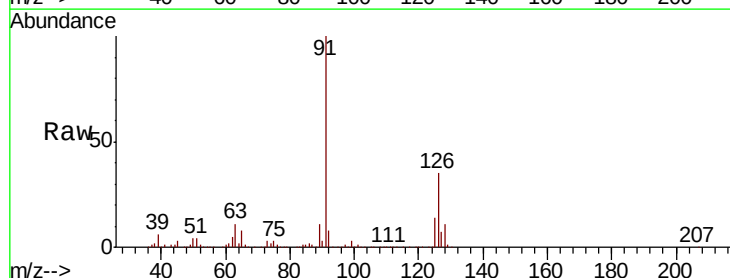
Acq: 23 Jul 2019 20:40

Tgt Ion: 91 Resp: 1786273

Ion Ratio Lower Upper

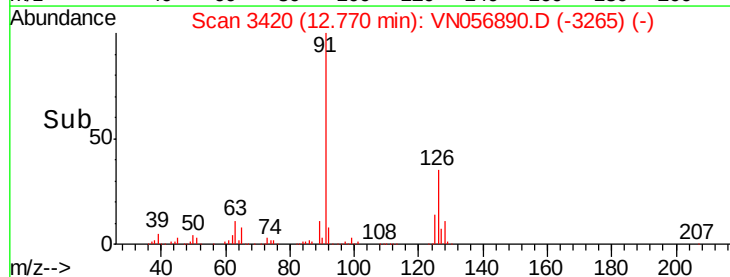
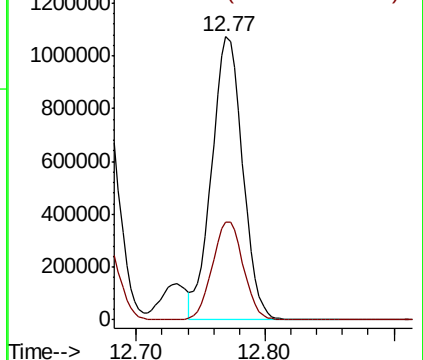
91 100

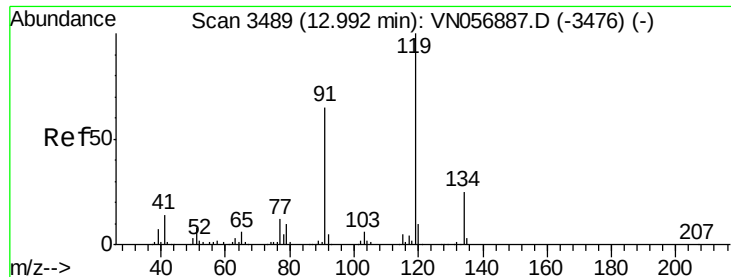
126 34.7 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

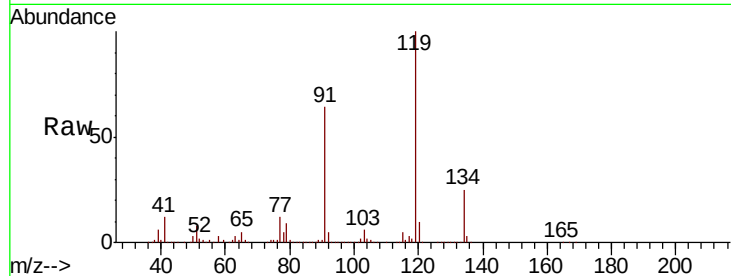




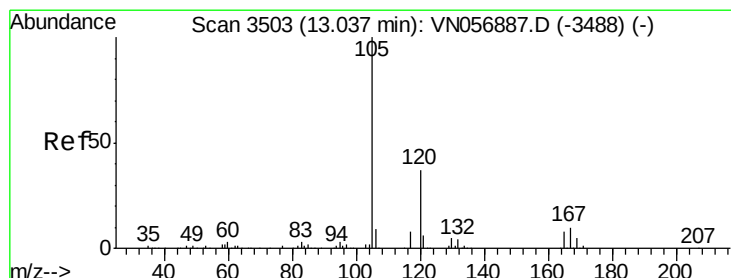
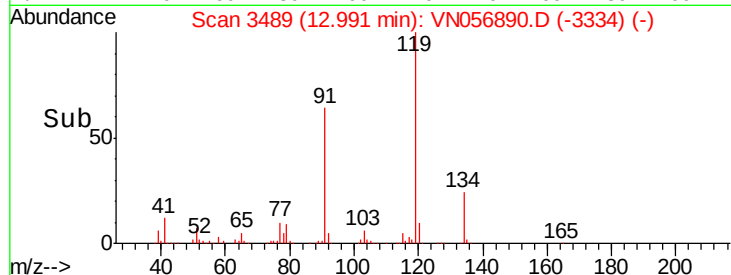
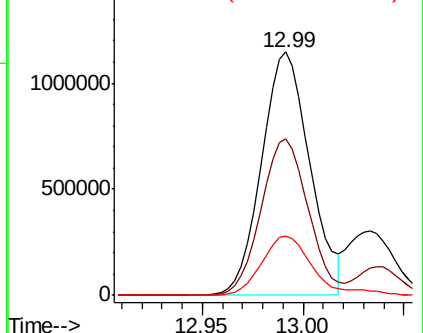
#79
tert-butylbenzene
Concen: 141.474 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1909472
Ion Ratio Lower Upper
119 100
91 63.0 0.0 126.8
134 26.1 0.0 48.8

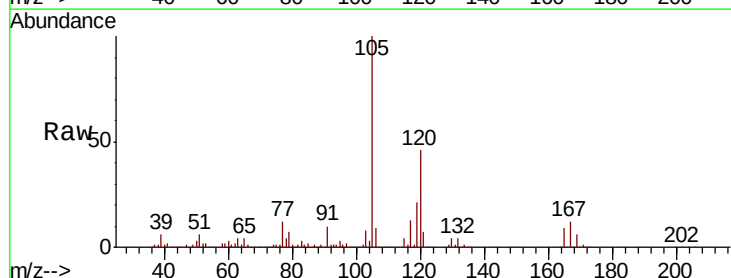


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

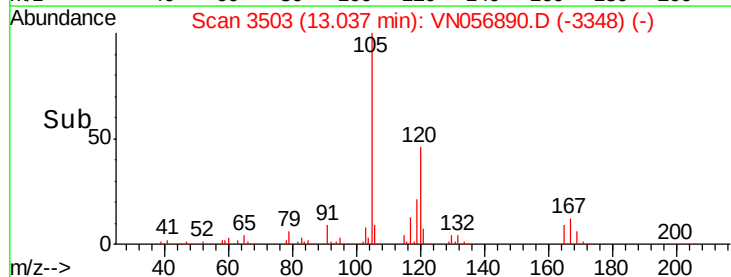
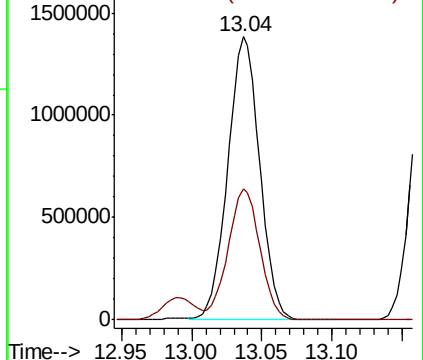


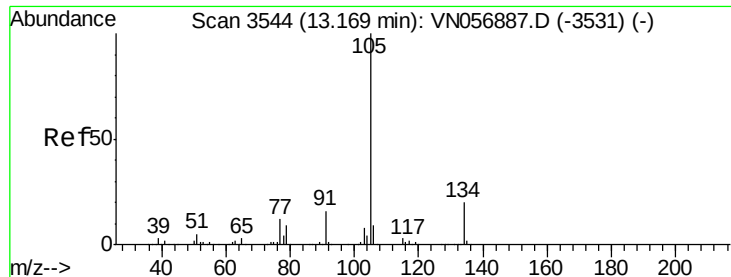
#80
1,2,4-Trimethylbenzene
Concen: 139.377 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion:105 Resp: 2186731
Ion Ratio Lower Upper
105 100
120 46.4 0.0 90.6



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





#81

sec-Butylbenzene

Concen: 142.452 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

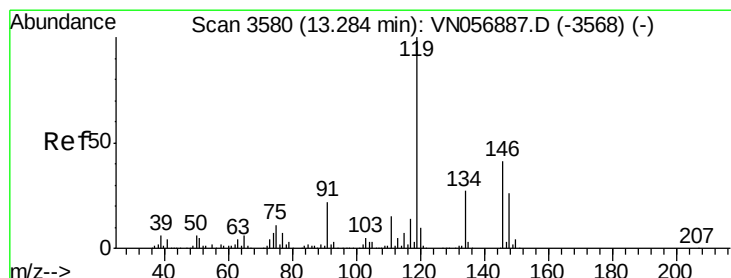
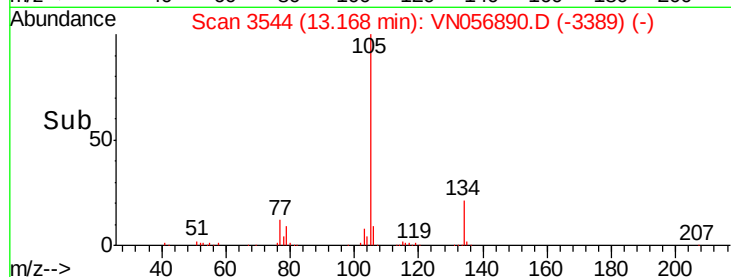
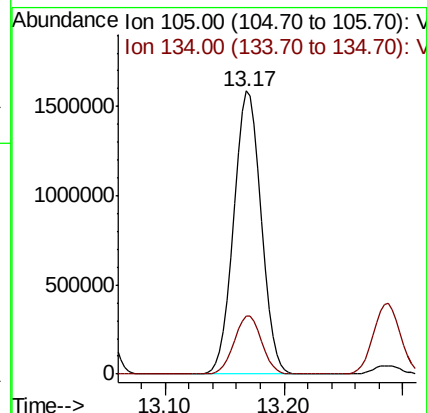
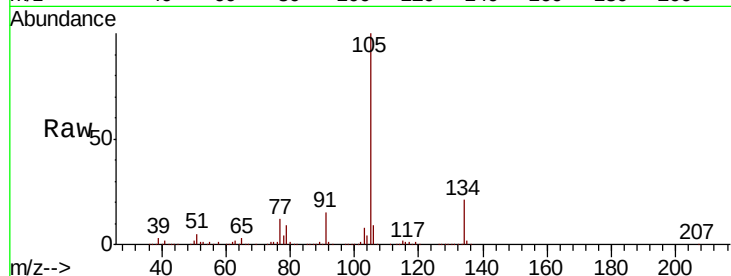
VSTDIC150

Tot Ion:105 Resp: 2533169

Ion Ratio Lower Upper

105 100

134 20.7 0.0 41.2



#82

p-Isopropyltoluene

Concen: 144.651 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

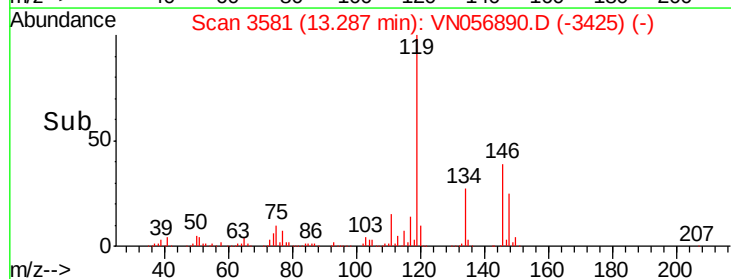
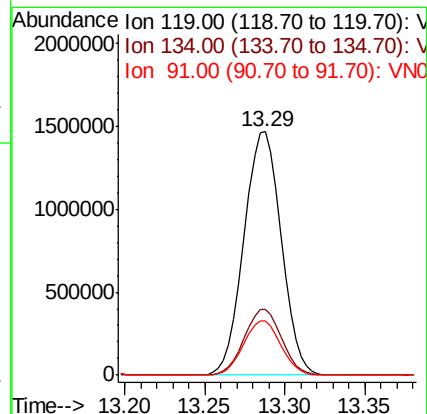
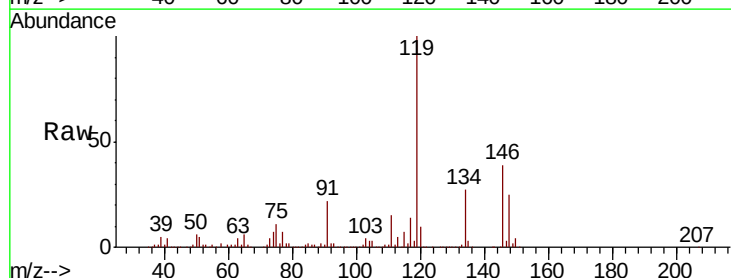
Tgt Ion:119 Resp: 2331761

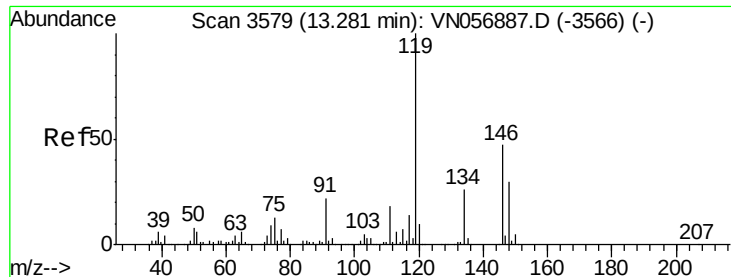
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.2

91 22.4 0.0 44.0

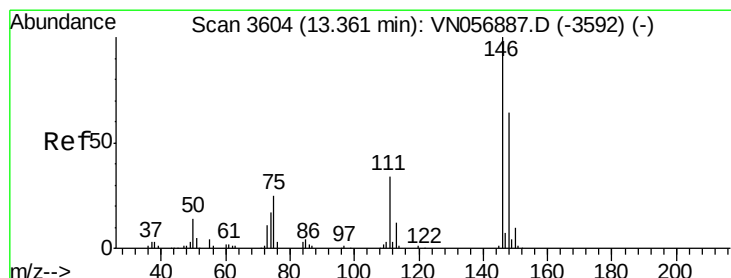
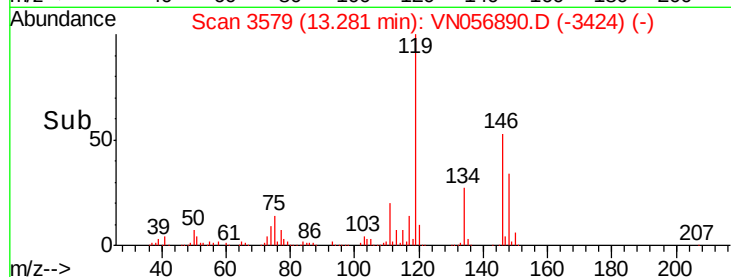
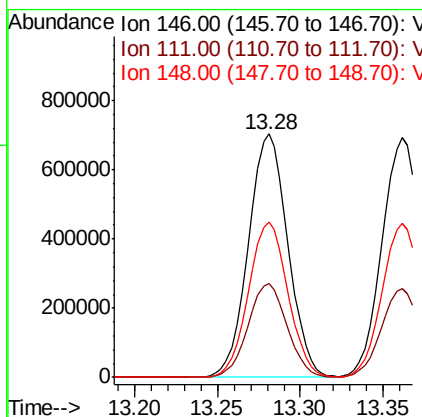
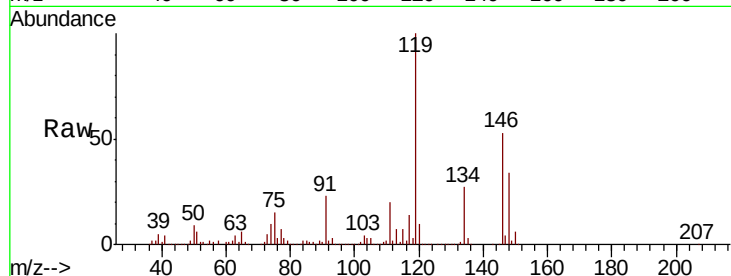




#83
 1,3-Dichlorobenzene
 Concen: 145.903 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

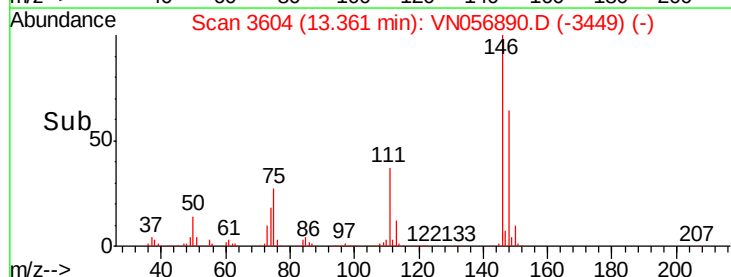
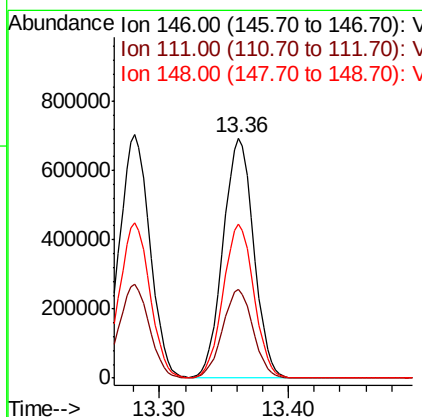
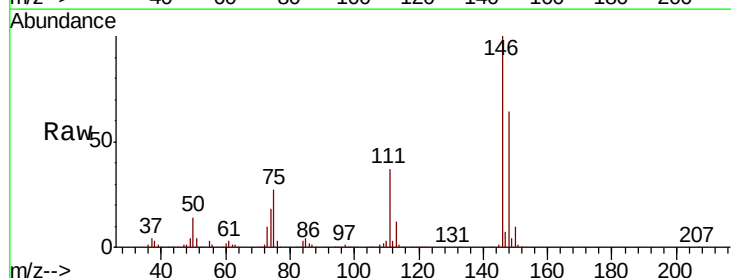
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

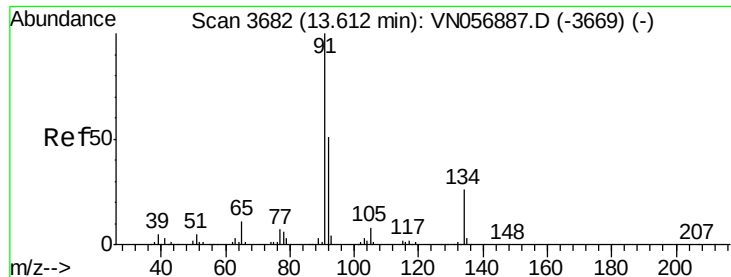
Tot Ion:146 Resp: 1166789
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 63.9 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 149.934 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion:146 Resp: 1143879
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.8 53.5
 148 64.2 32.6 97.7





#85

n-Butylbenzene

Concen: 150.444 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

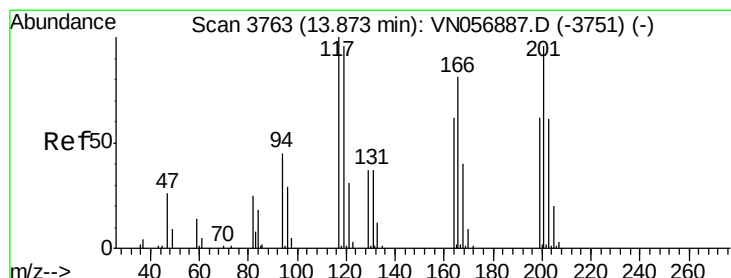
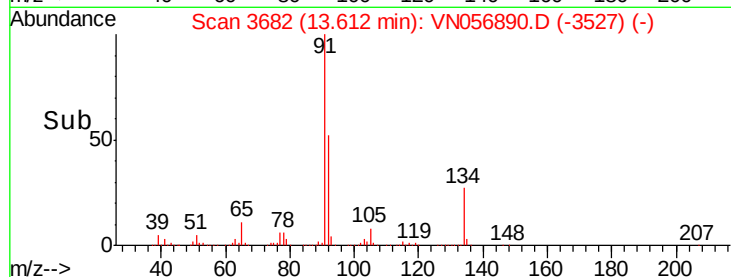
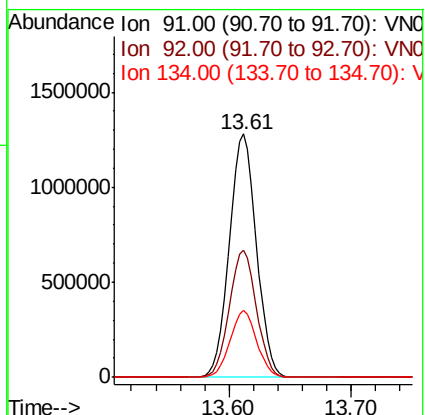
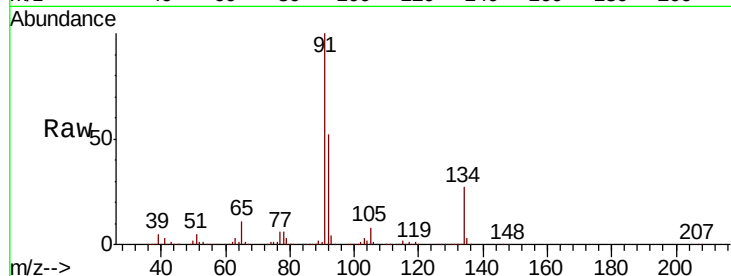
Tot Ion: 91 Resp: 1981230

Ion Ratio Lower Upper

91 100

92 52.2 0.0 101.8

134 27.1 0.0 52.4



#86

Hexachloroethane

Concen: 157.081 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056890.D

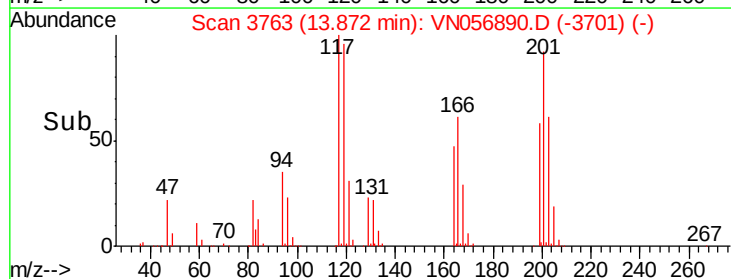
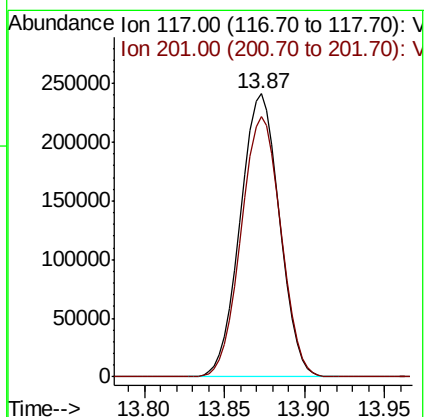
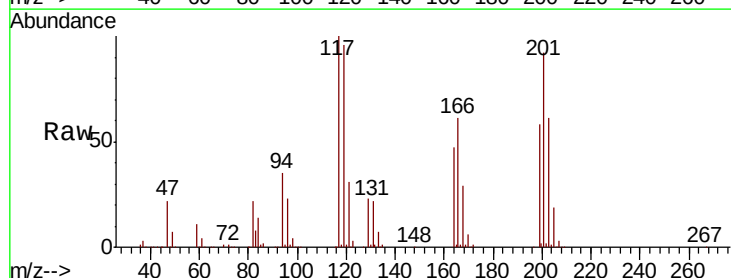
Acq: 23 Jul 2019 20:40

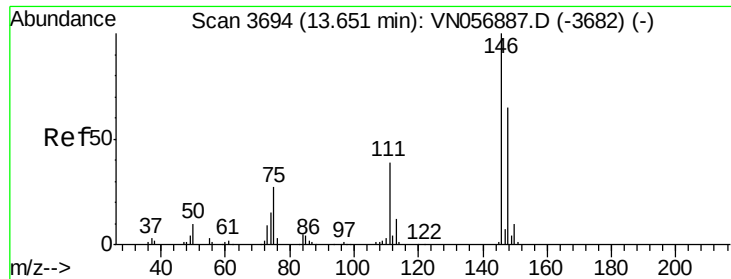
Tgt Ion: 117 Resp: 404387

Ion Ratio Lower Upper

117 100

201 92.9 47.8 143.3

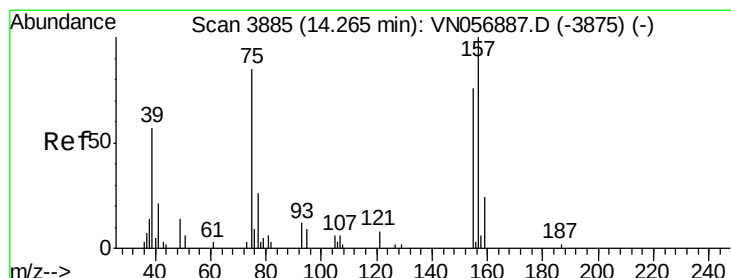
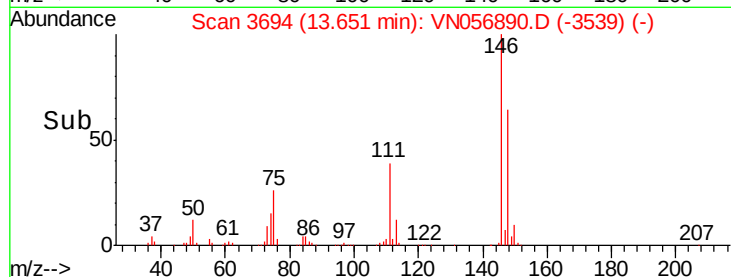
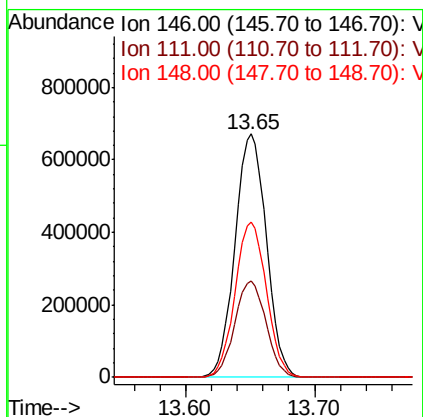
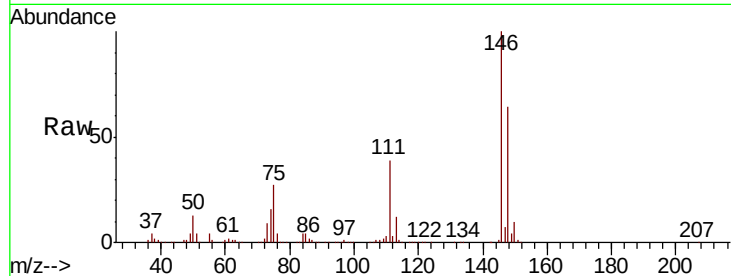




#87
 1,2-Dichlorobenzene
 Concen: 140.967 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

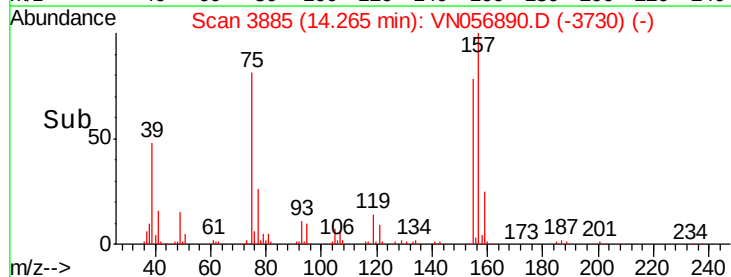
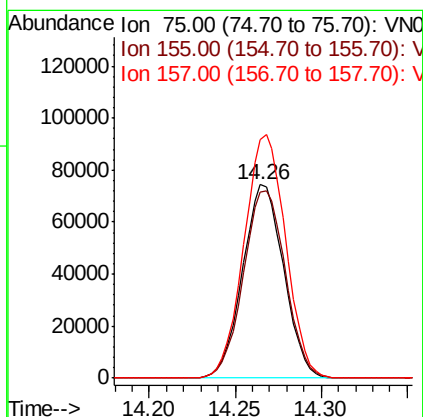
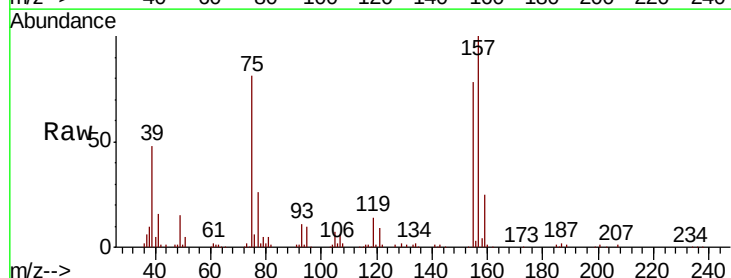
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

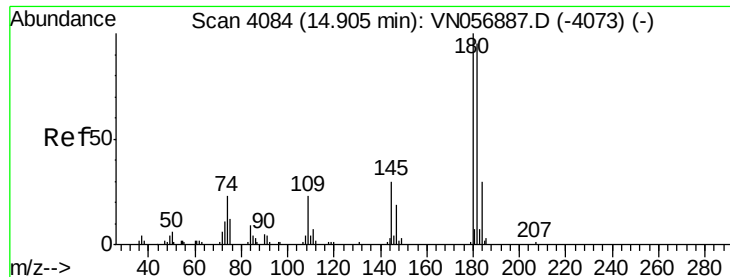
Tot Ion:146 Resp: 1136711
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.8
 148 63.7 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 122.189 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 75 Resp: 123830
 Ion Ratio Lower Upper
 75 100
 155 98.8 73.4 110.2
 157 127.1 95.0 142.6

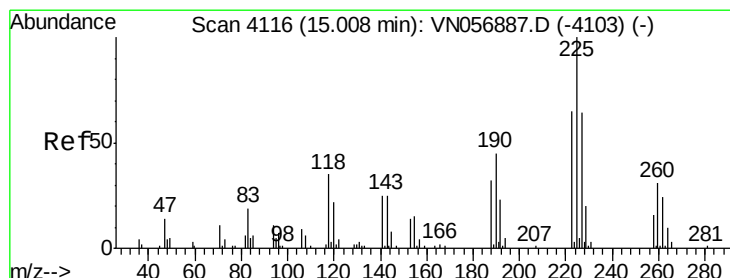
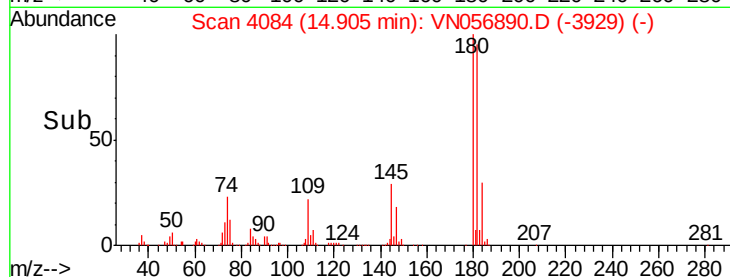
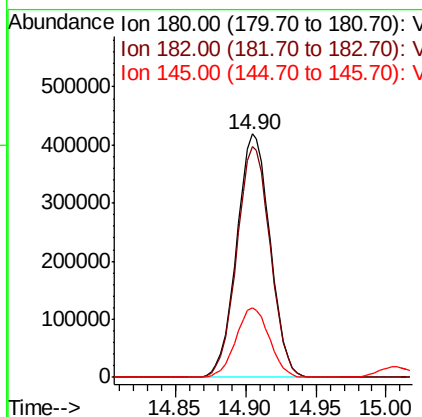
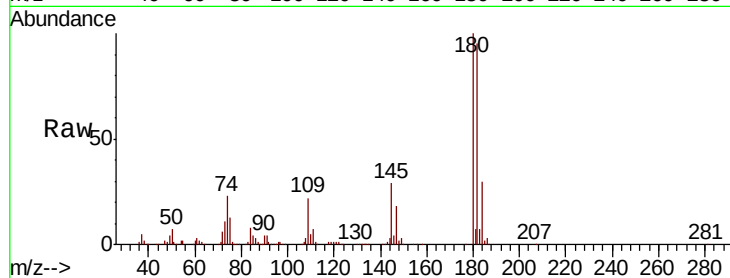




#89
 1,2,4-Trichlorobenzene
 Concen: 164.817 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

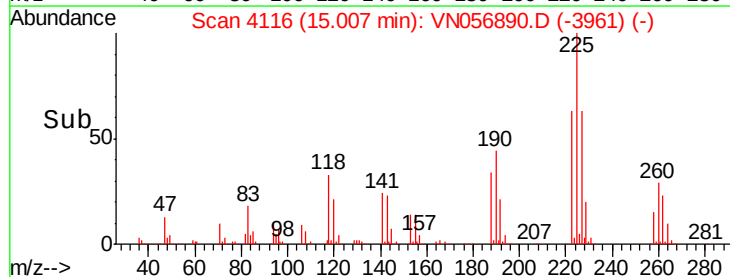
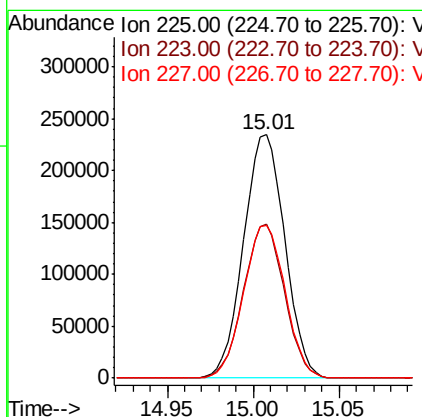
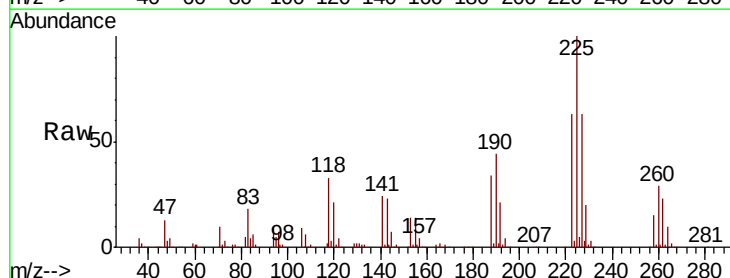
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

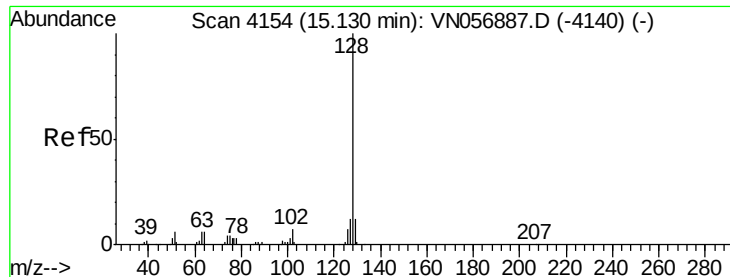
Tot Ion:180 Resp: 694619
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 145 28.6 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 138.581 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion:225 Resp: 391573
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 130.0
 227 63.2 0.0 127.2





#91

Naphthalene

Concen: 156.318 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

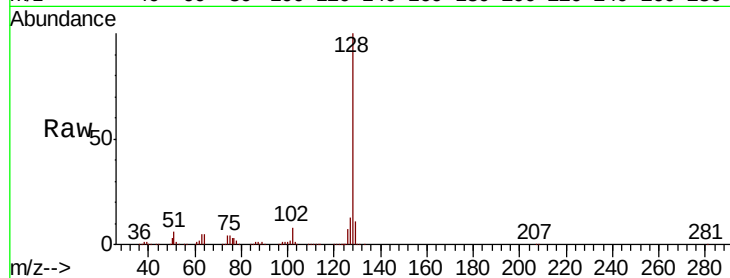
Tot Ion:128 Resp: 1784050

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

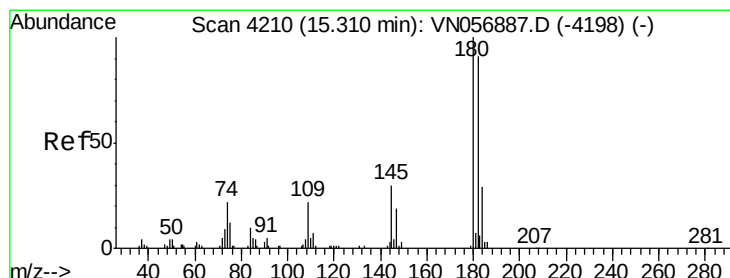
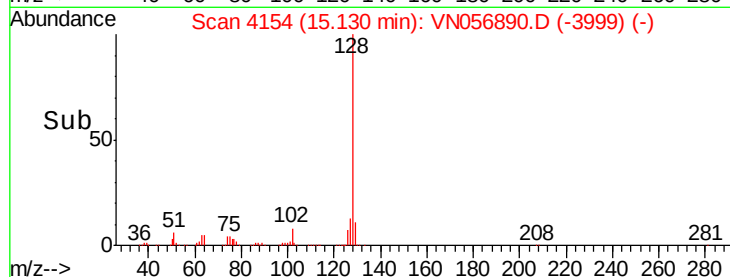
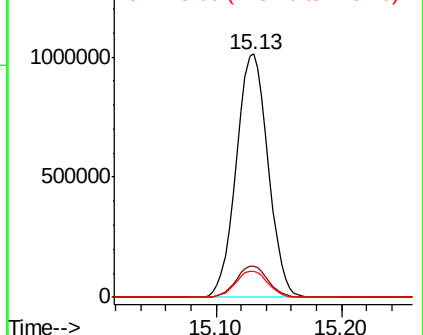
129 10.9 8.9 13.3



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: 158.419 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

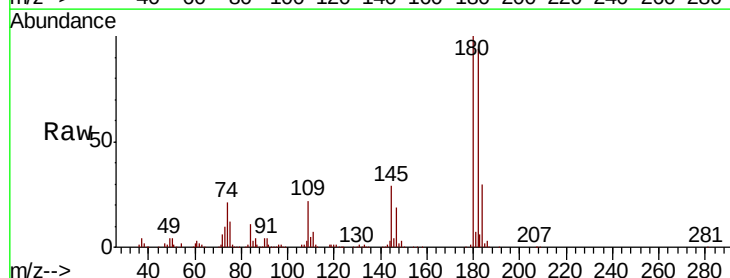
Tgt Ion:180 Resp: 708468

Ion Ratio Lower Upper

180 100

182 94.9 0.0 188.0

145 30.0 0.0 61.0



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

