

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056889.D
 Acq On : 23 Jul 2019 20:16
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 24 02:39:58 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	7.20	128	60926	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	330583	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	299821	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	119338	29.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.03%
60) 4-Bromofluorobenzene	12.40	95	140703	30.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.97%
63) Toluene-d8	10.09	98	411349	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	373366	107.850	ug/l 97
3) Chloromethane	2.06	50	438306	96.084	ug/l 99
4) Vinyl Chloride	2.18	62	431650	96.540	ug/l 100
5) Bromomethane	2.55	94	252091	89.666	ug/l 98
6) Chloroethane	2.69	64	235258	92.393	ug/l 98
7) Trichlorofluoromethane	3.01	101	515504	91.139	ug/l 100
8) Diethyl Ether	3.41	74	192675	83.822	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	321884	91.131	ug/l 99
10) 1,1-Dichloroethene	3.73	96	324836	92.520	ug/l 98
11) Methyl Iodide	3.94	142	511436	107.561	ug/l 100
12) Methyl Acetate	4.33	43	329047	70.571	ug/l 96
13) Acrolein	3.60	56	223823	607.222	ug/l 99
14) Acrylonitrile	4.99	53	774603	385.910	ug/l 100
15) Acetone	3.82	58	196848	308.125	ug/l 94
16) Carbon Disulfide	4.04	76	903502	97.172	ug/l 99
17) Allyl chloride	4.32	41	552855	90.708	ug/l 98
18) Methylene Chloride	4.54	84	372112	90.314	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	345747	92.505	ug/l 96
20) Diisopropyl ether	5.96	45	1095826	89.688	ug/l 96
21) 1,1-Dichloroethane	5.85	63	636122	90.901	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	395686	90.159	ug/l 99
23) tert-Butyl Alcohol	4.81	59	256438	362.901	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	994516	89.679	ug/l 97
25) Chloroform	7.37	83	616406	90.755	ug/l 99
26) Cyclohexane	7.65	56	605031	94.013	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	480171	94.479	ug/l 98
30) 2-Butanone	6.84	43	956703	346.704	ug/l 99
31) 2,2-Dichloropropane	6.82	77	437671	89.222	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	521342	95.328	ug/l 98
33) Carbon Tetrachloride	7.77	117	464376	98.733	ug/l 98
34) Benzene	8.04	78	1461105	92.799	ug/l # 91
35) Methacrylonitrile	7.18	41	200633	86.859	ug/l 99
36) 1,2-Dichloroethane	8.12	62	456099	90.753	ug/l 99
37) Trichloroethene	8.83	130	393769	92.529	ug/l 97
38) Methylcyclohexane	9.08	83	615574	96.135	ug/l 99
39) 1,2-Dichloropropane	9.12	63	390342	92.578	ug/l 99
40) Dibromomethane	9.21	93	241453	90.320	ug/l 99

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 VSTDICC100

Quant Time: Jul 24 02:39:58 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	473669	95.579	ug/l	98
42) Vinyl Acetate	5.90	43	4358575	449.793	ug/l	100
43) Ethyl Acetate	6.93	43	391418	76.507	ug/l	94
44) Isopropyl Acetate	8.17	43	655623	80.430	ug/l #	88
45) 1,4-Dioxane	9.20	88	124217	1542.988	ug/l	94
46) Methyl methacrylate	9.20	41	324568	83.092	ug/l	99
47) n-amyl Acetate	12.07	43	567569	85.848	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	514132	95.107	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	588720	95.958	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	340729	87.090	ug/l	98
51) Ethyl methacrylate	10.43	69	530195	89.426	ug/l	99
52) 1,3-Dichloropropane	10.71	76	588077	90.548	ug/l	100
53) Dibromochloromethane	10.90	129	381978	96.494	ug/l	99
54) 1,2-Dibromoethane	11.00	107	363997	90.251	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1154207	409.131	ug/l	99
56) Bromoform	12.12	173	273593	94.364	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	1953103	366.622	ug/l	98
59) 2-Hexanone	10.75	43	1371342	348.629	ug/l	99
61) Tetrachloroethene	10.63	164	395950	92.552	ug/l	98
62) Toluene	10.15	91	1578920	91.535	ug/l	100
64) Chlorobenzene	11.43	112	968904	92.198	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	363485	93.522	ug/l	99
66) Ethyl Benzene	11.51	91	1728845	93.290	ug/l	100
67) m/p-Xylenes	11.62	106	1289918	184.961	ug/l	99
68) o-Xylene	11.95	106	626143	91.487	ug/l	99
69) Styrene	11.96	104	1068853	94.796	ug/l	100
70) Isopropylbenzene	12.25	105	1662233	92.861	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	453196	79.416	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	568988	117.197	ug/l	66
73) Bromobenzene	12.52	156	436939	93.668	ug/l	100
74) n-propylbenzene	12.59	91	1897286	95.158	ug/l	99
75) 2-Chlorotoluene	12.67	91	1111012	91.858	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1401846	92.431	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	141135	87.457	ug/l	92
78) 4-Chlorotoluene	12.77	91	1114255	95.525	ug/l	100
79) tert-butylbenzene	12.99	119	1214265	93.684	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1390229	92.272	ug/l	98
81) sec-Butylbenzene	13.17	105	1607828	94.152	ug/l	100
82) p-Isopropyltoluene	13.28	119	1470194	94.973	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	729265	94.961	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	708858	96.754	ug/l	99
85) n-Butylbenzene	13.61	91	1229896	97.252	ug/l	98
86) Hexachloroethane	13.87	117	250917	101.496	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	706411	91.225	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.26	75	77691	79.830	ug/l	92
89) 1,2,4-Trichlorobenzene	14.90	180	413762	102.234	ug/l	98
90) Hexachlorobutadiene	15.00	225	246855	90.975	ug/l	99
91) Naphthalene	15.13	128	1076007	98.176	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	424151	98.764	ug/l	99

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ClientSampleId :
VSTDICC100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 02:31:22 2019
Response via : Initial Calibration

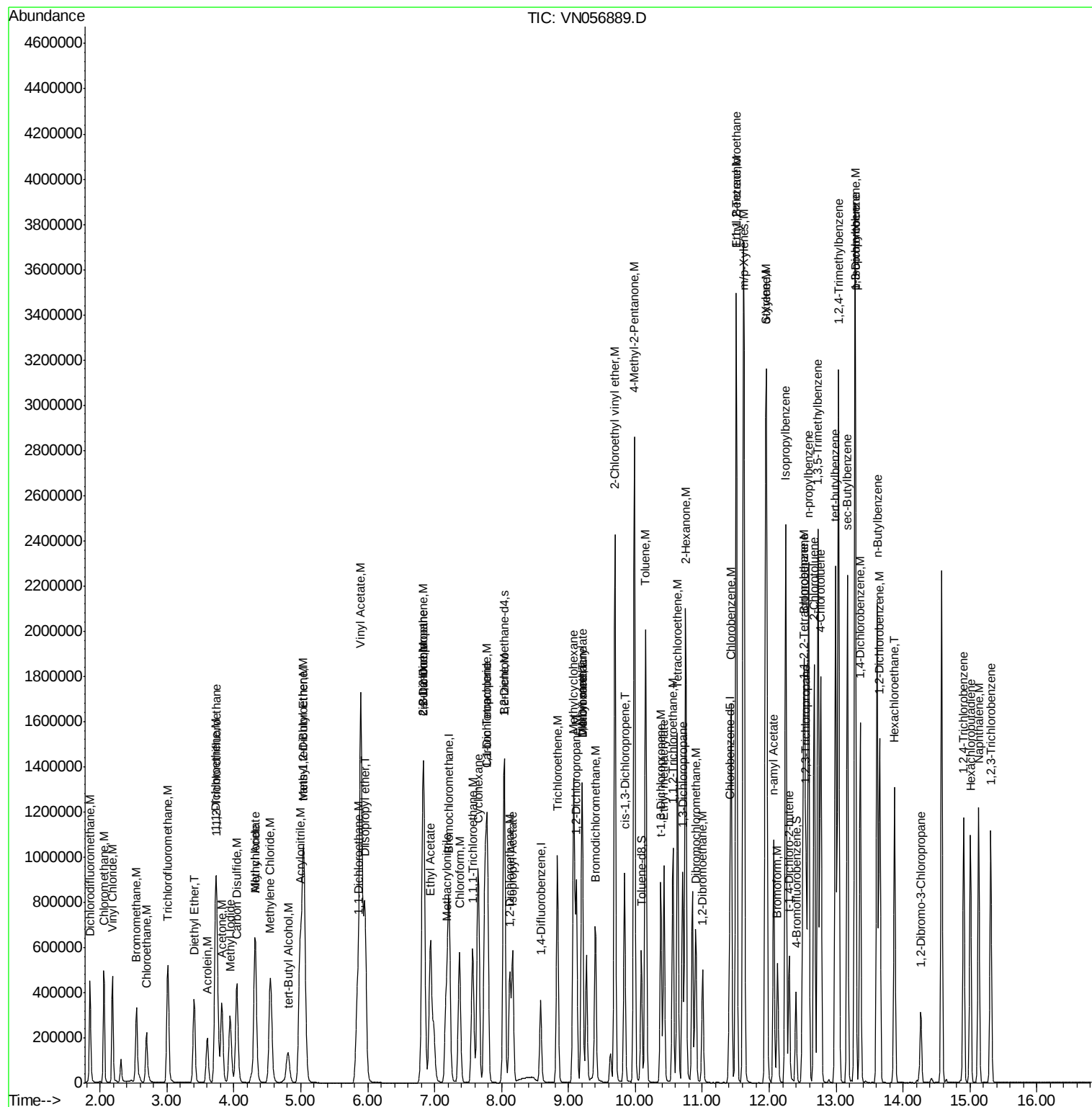
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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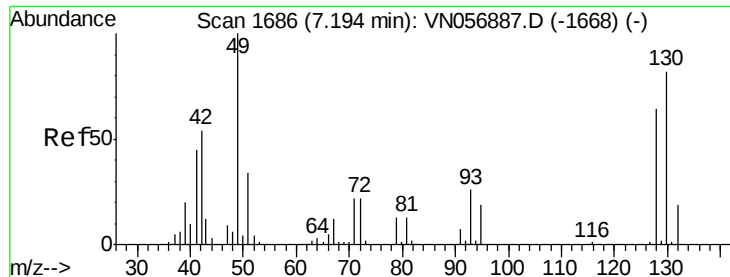
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
Data File : VN056889.D
Acq On : 23 Jul 2019 20:16
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Jul 24 02:39:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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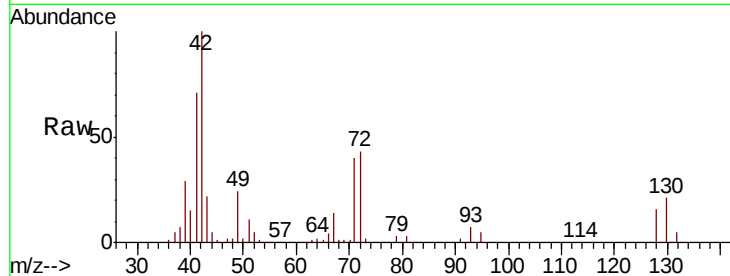




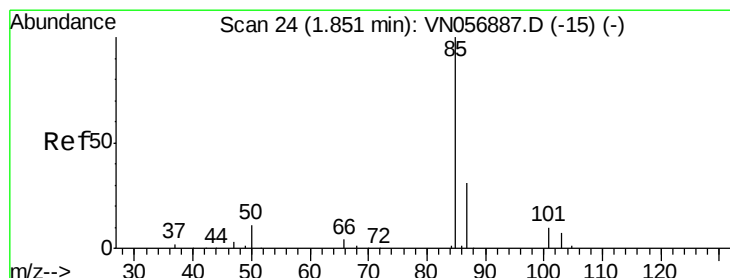
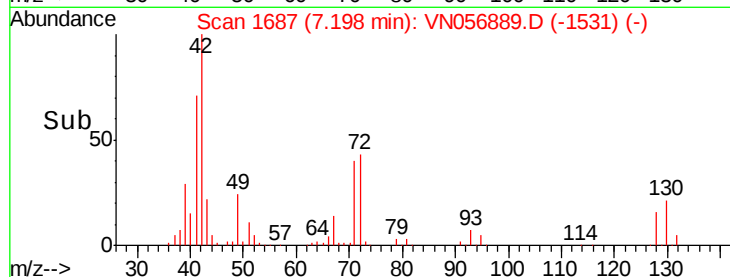
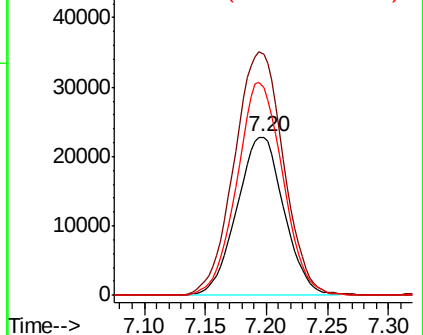
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:128 Resp: 60926
 Ion Ratio Lower Upper
 128 100
 49 161.1 0.0 385.8
 130 131.4 0.0 322.5

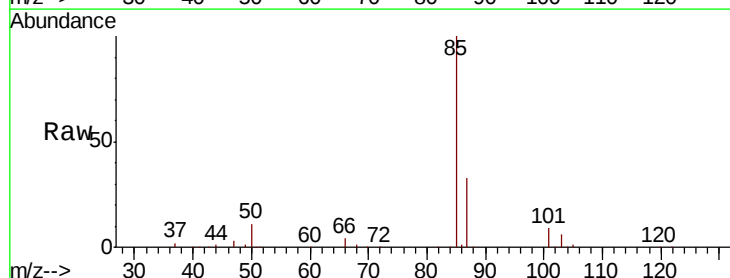


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

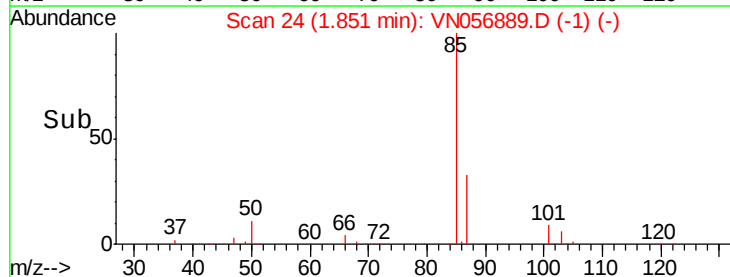
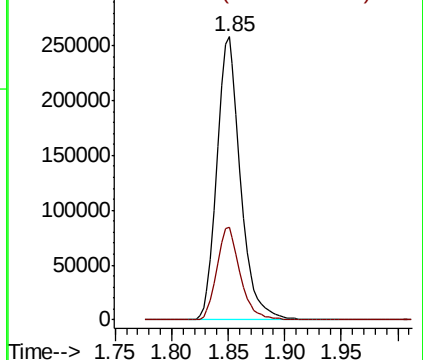


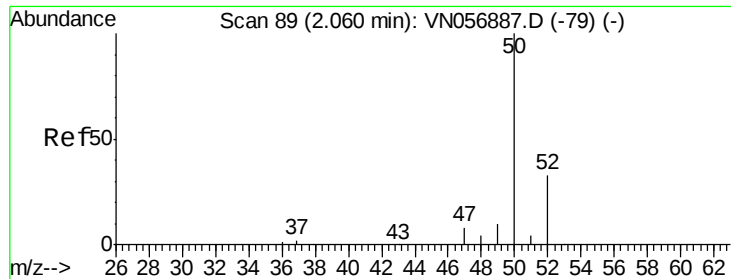
#2
 Dichlorodifluoromethane
 Concen: 107.850 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 85 Resp: 373366
 Ion Ratio Lower Upper
 85 100
 87 32.9 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: 96.084 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

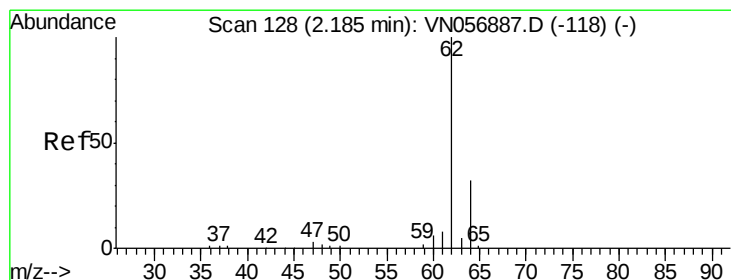
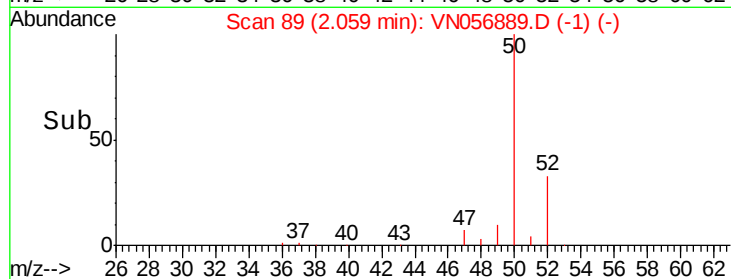
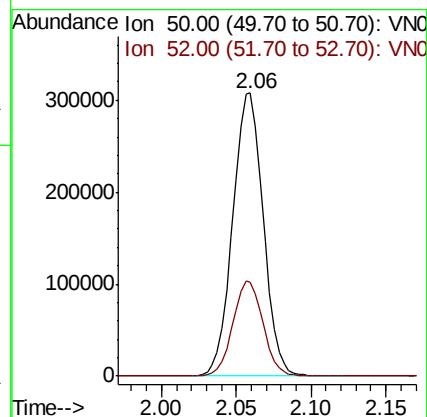
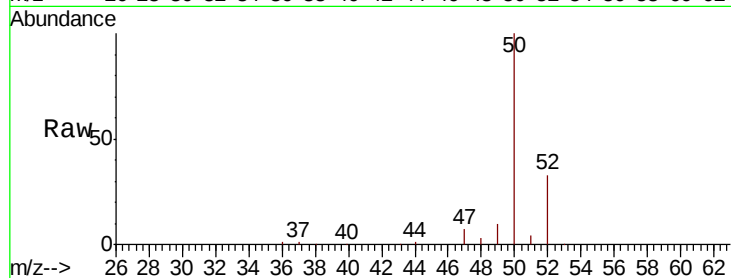
VSTDIC100

Tot Ion: 50 Resp: 438306

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.2



#4

Vinyl Chloride

Concen: 96.540 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056889.D

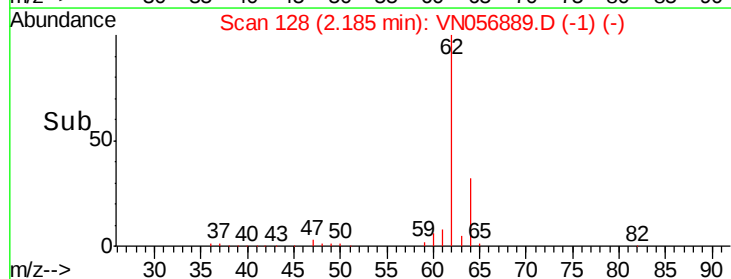
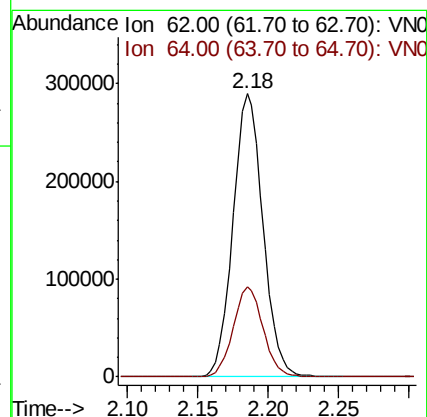
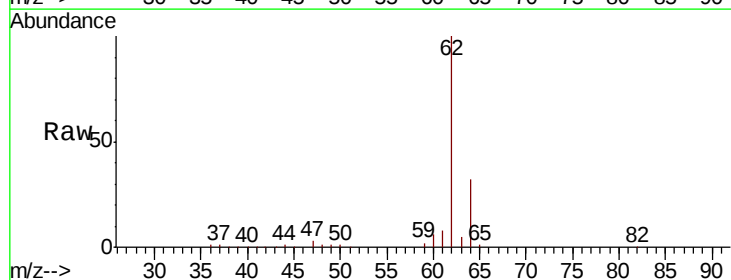
Acq: 23 Jul 2019 20:16

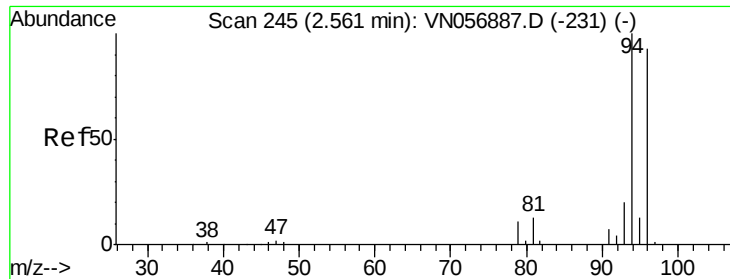
Tgt Ion: 62 Resp: 431650

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 89.666 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

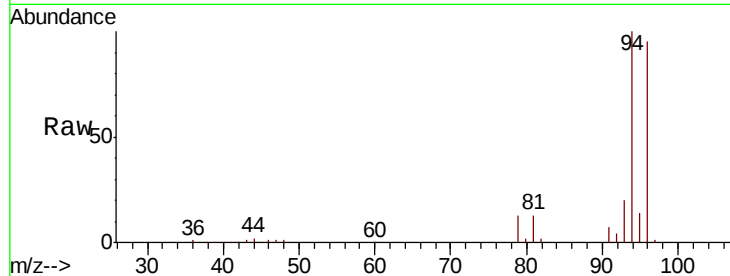
VSTDIC100

Tot Ion: 94 Resp: 252091

Ion Ratio Lower Upper

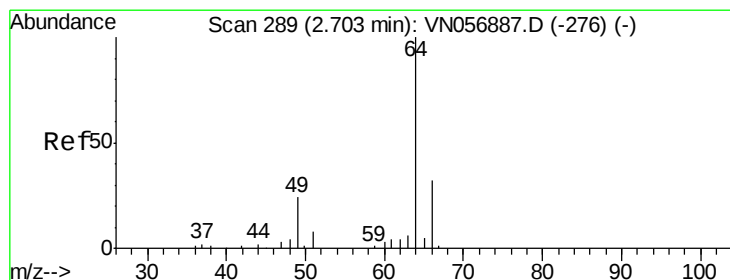
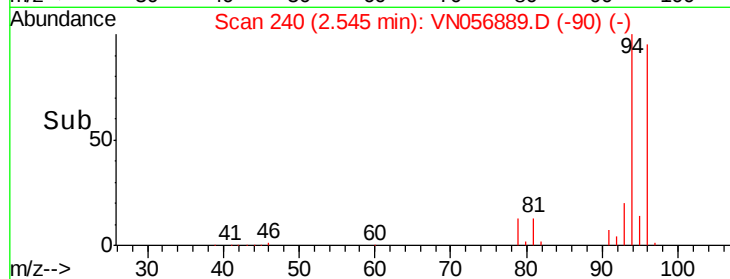
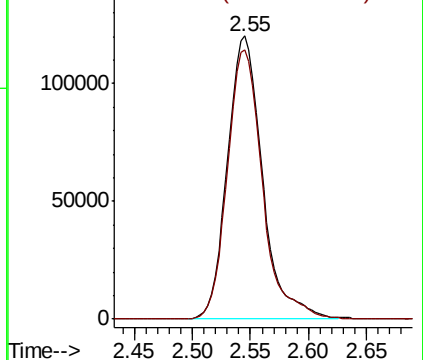
94 100

96 95.4 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 92.393 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN056889.D

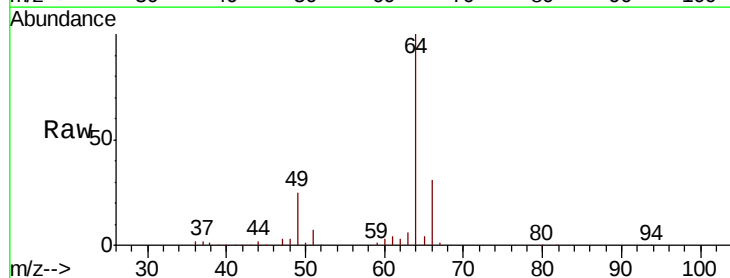
Acq: 23 Jul 2019 20:16

Tgt Ion: 64 Resp: 235258

Ion Ratio Lower Upper

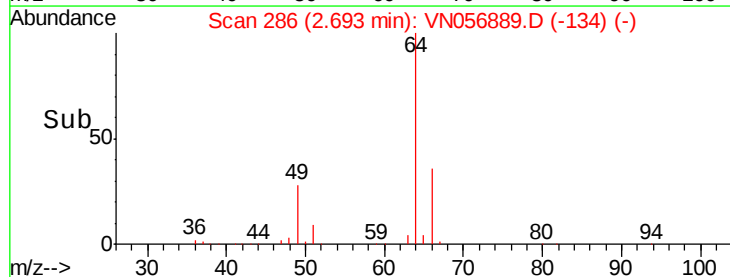
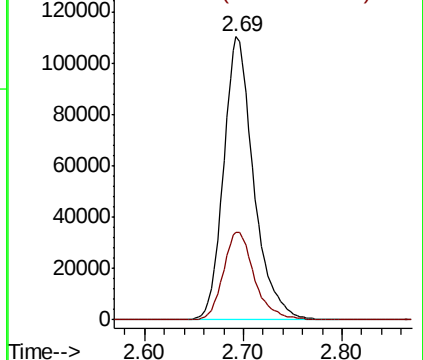
64 100

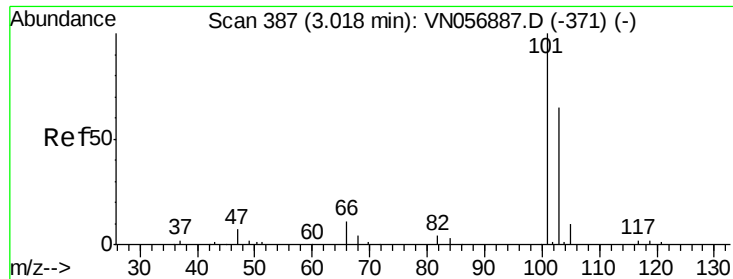
66 31.0 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



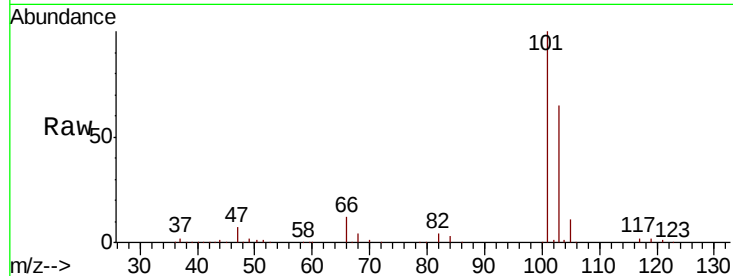


#7

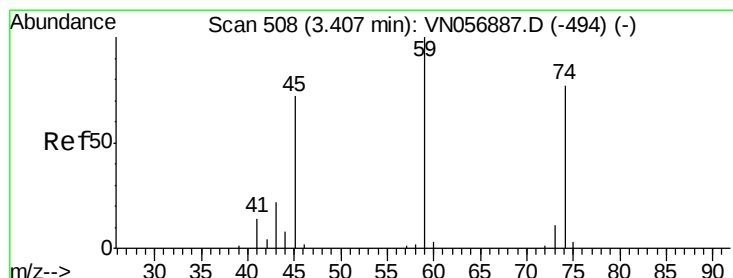
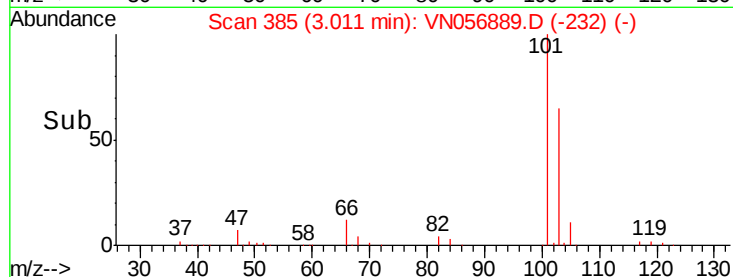
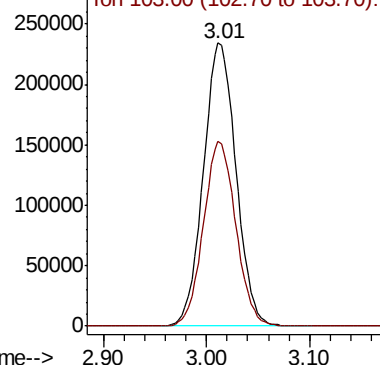
Trichlorofluoromethane
Concen: 91.139 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:101 Resp: 515504
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4



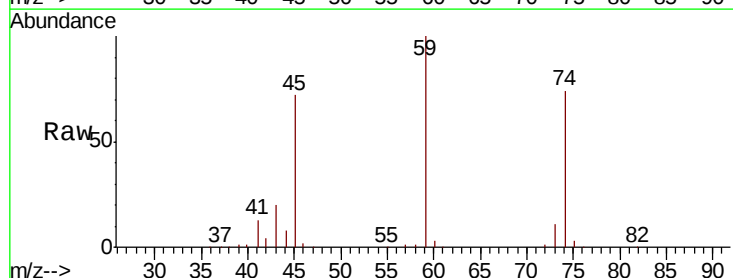
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



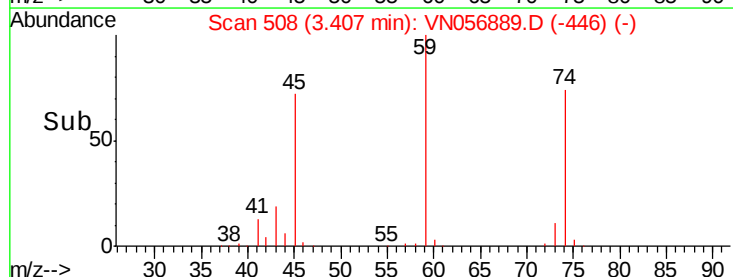
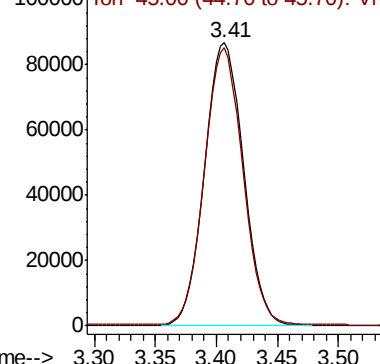
#8

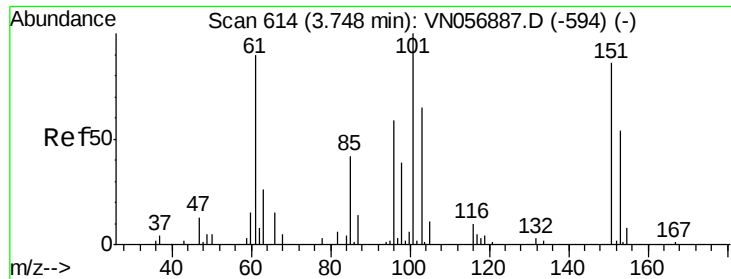
Diethyl Ether
Concen: 83.822 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 74 Resp: 192675
Ion Ratio Lower Upper
74 100
45 96.0 19.5 175.7



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

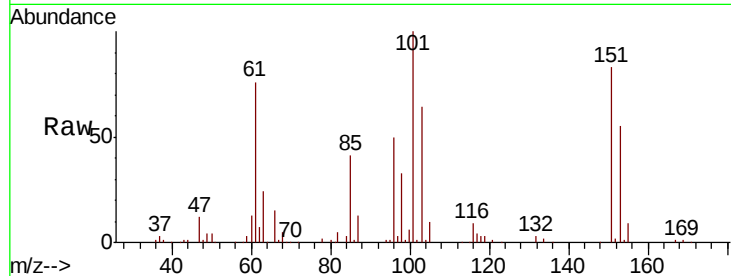




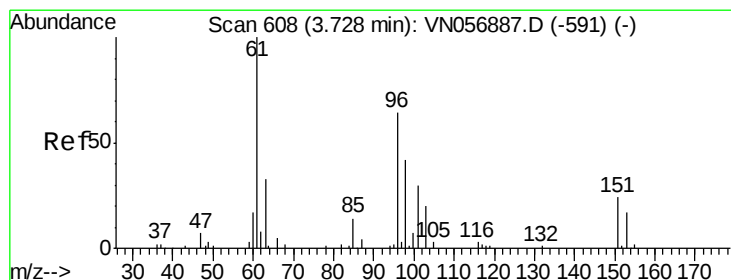
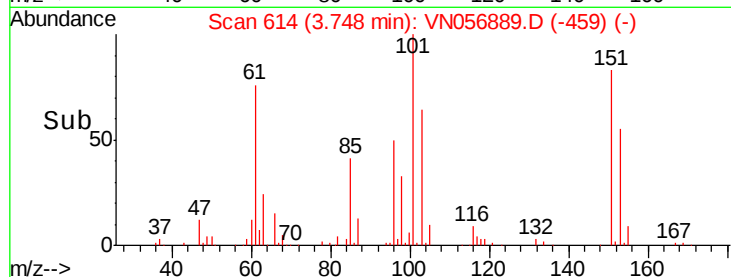
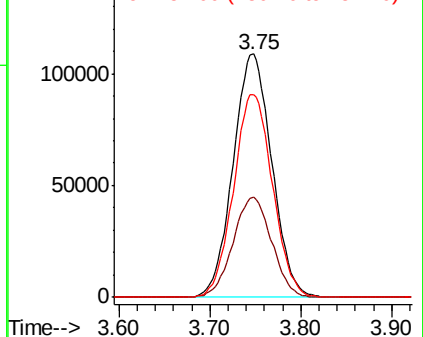
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 91.131 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 321884
 Ion Ratio Lower Upper
 101 100
 85 40.9 0.0 85.0
 151 83.8 0.0 167.2

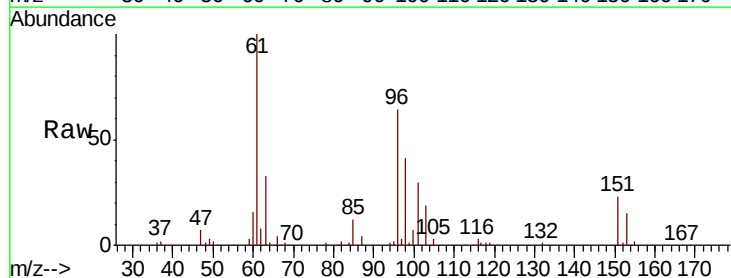


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

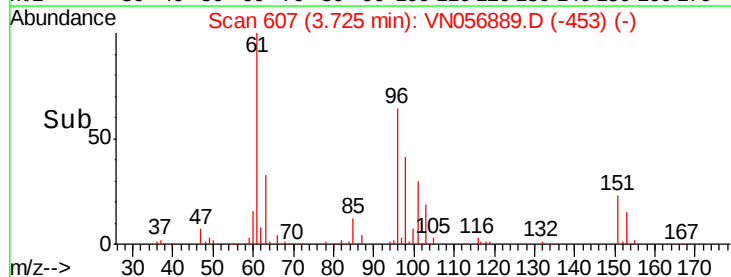
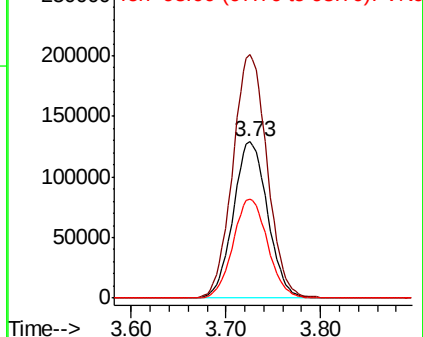


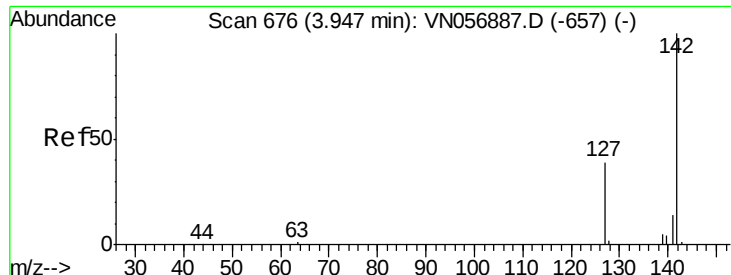
#10
 1,1-Dichloroethene
 Concen: 92.520 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 96 Resp: 324836
 Ion Ratio Lower Upper
 96 100
 61 155.9 125.8 188.8
 98 63.4 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

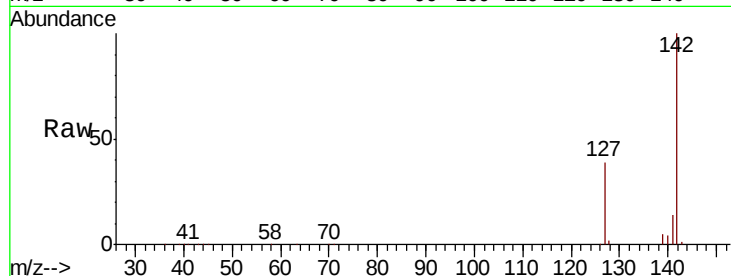




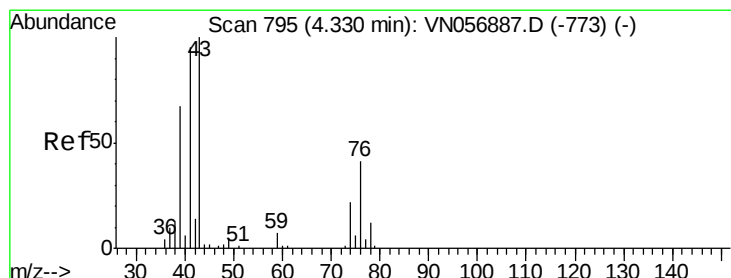
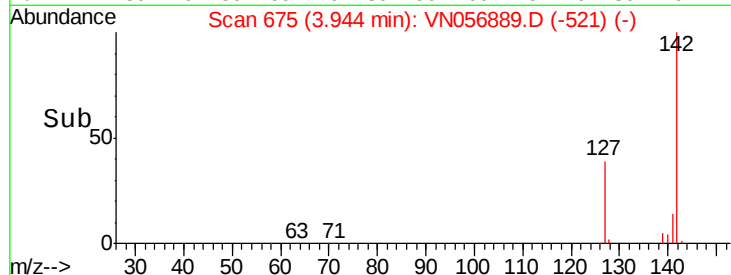
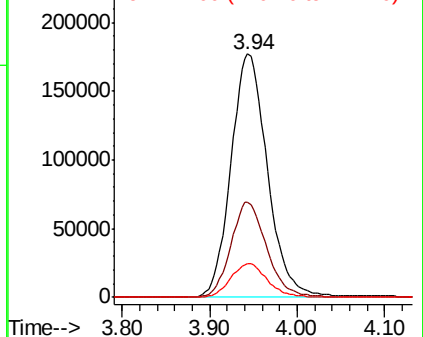
#11
Methvl Iodide
Concen: 107.561 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:142 Resp: 511436
Ion Ratio Lower Upper
142 100
127 39.1 19.6 58.8
141 13.9 7.2 21.6

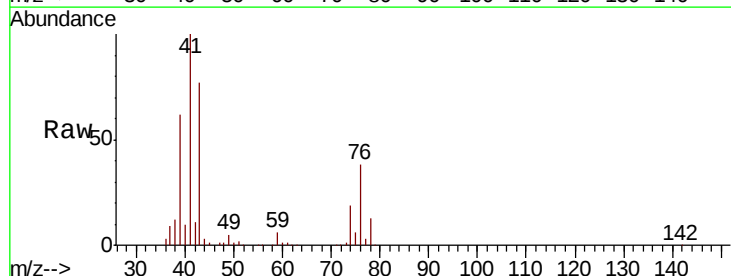


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

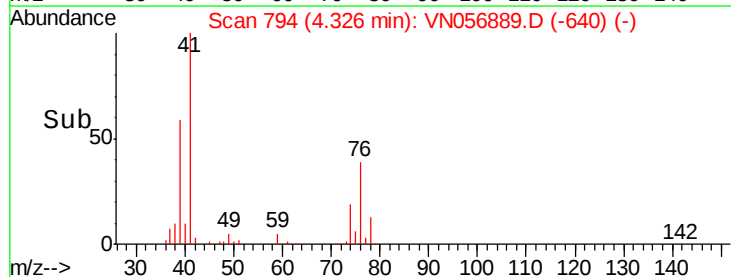
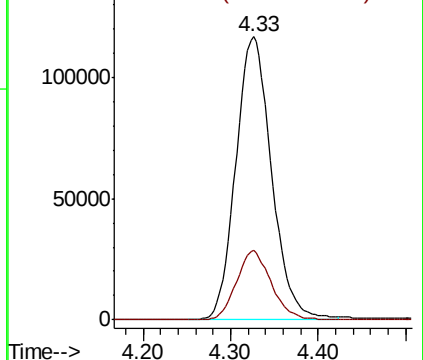


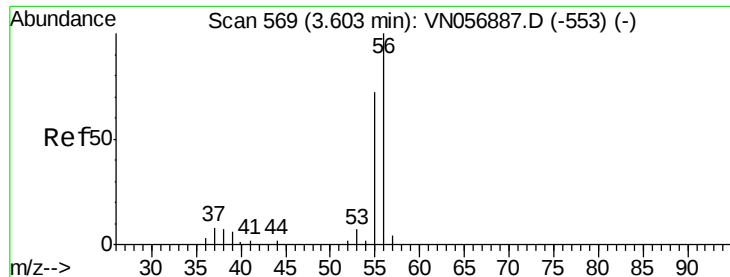
#12
Methyl Acetate
Concen: 70.571 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 43 Resp: 329047
Ion Ratio Lower Upper
43 100
74 24.4 18.1 27.1



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

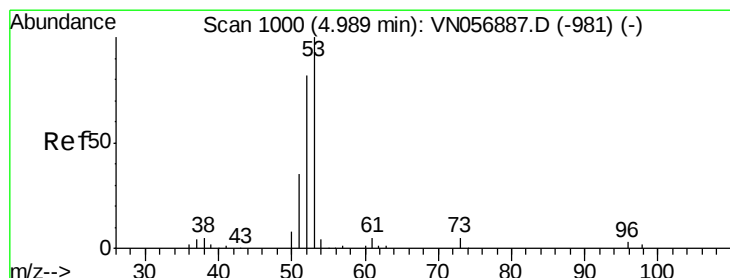
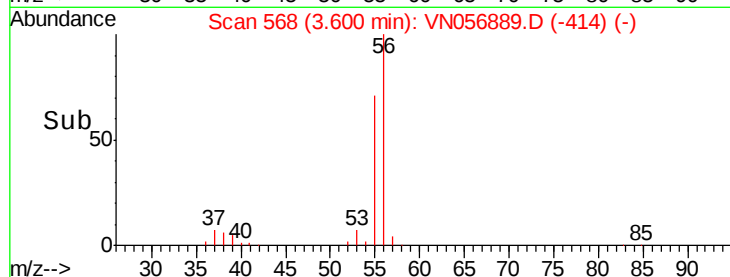
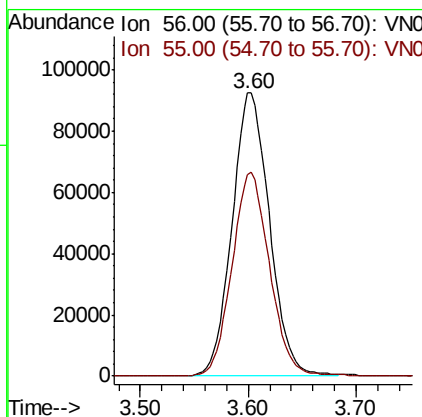
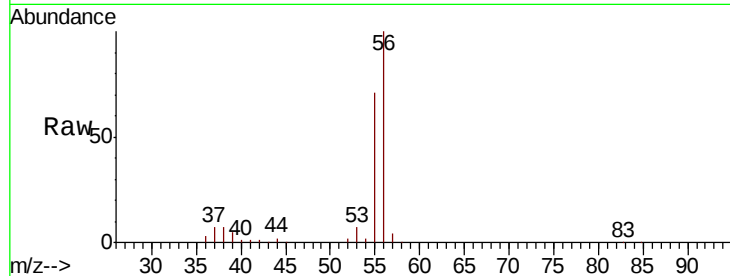




#13
Acrolein
Concen: 607.222 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

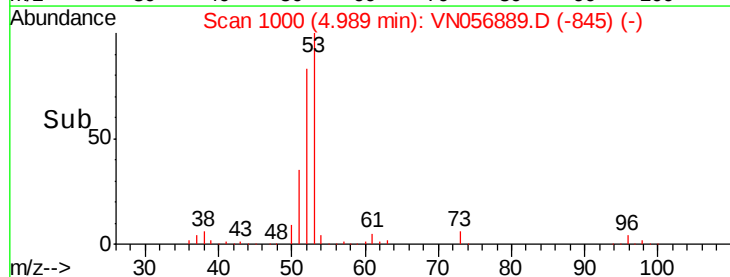
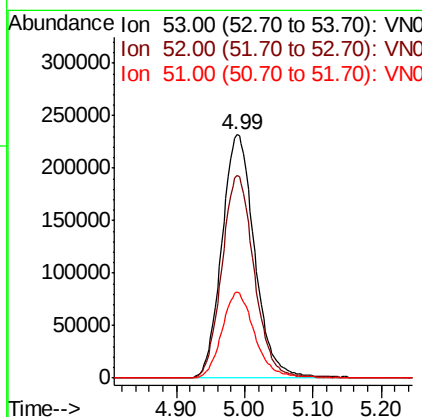
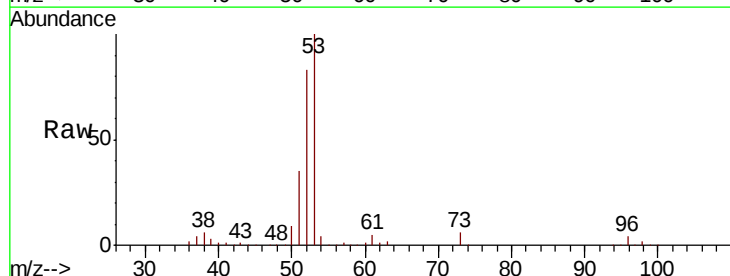
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

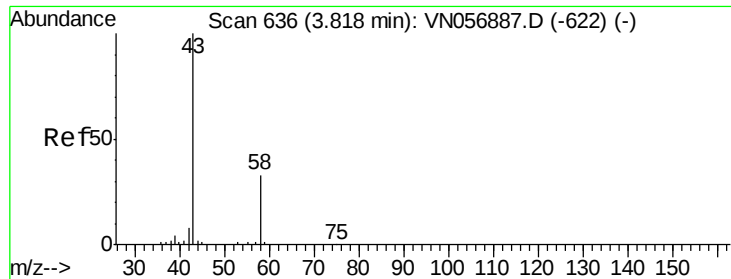
Tot Ion: 56 Resp: 223823
Ion Ratio Lower Upper
56 100
55 71.9 58.5 87.7



#14
Acrylonitrile
Concen: 385.910 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 53 Resp: 774603
Ion Ratio Lower Upper
53 100
52 81.8 40.8 122.5
51 35.1 17.4 52.2





#15

Acetone

Concen: 308.125 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

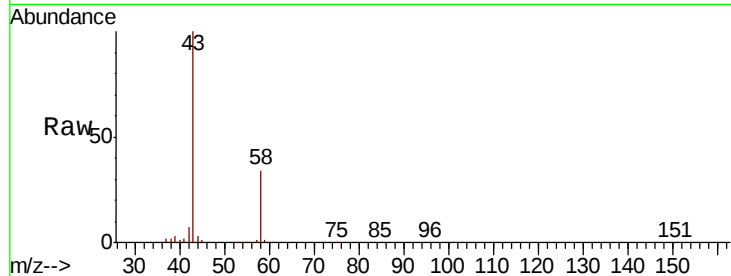
VSTDIC100

Tot Ion: 58 Resp: 196848

Ion Ratio Lower Upper

58 100

43 290.5 242.4 363.6



Abundance Ion 58.00 (57.70 to 58.70): VN056889.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN056889.D (-481) (-)

250000

200000

150000

100000

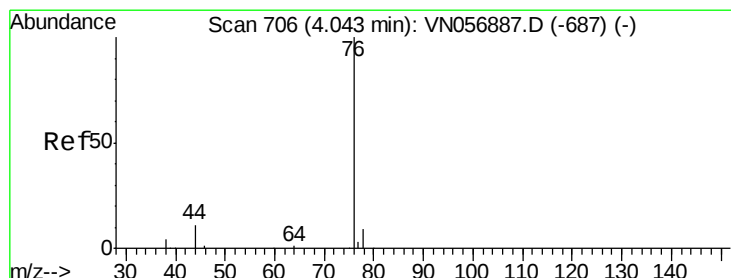
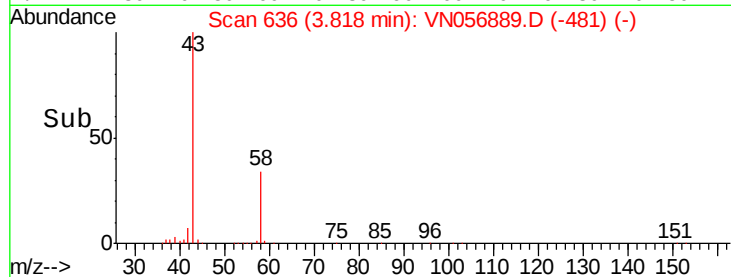
50000

0

3.82

3.70 3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 97.172 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056889.D

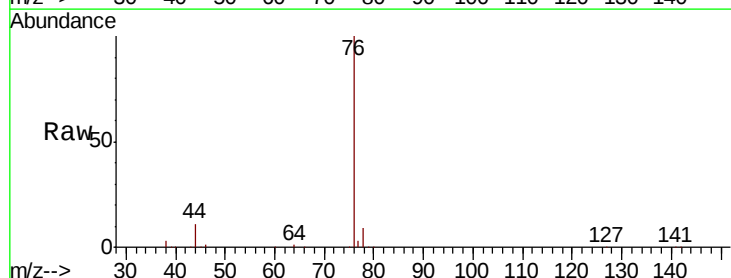
Acq: 23 Jul 2019 20:16

Tgt Ion: 76 Resp: 903502

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN056889.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN056889.D (-551) (-)

400000

300000

200000

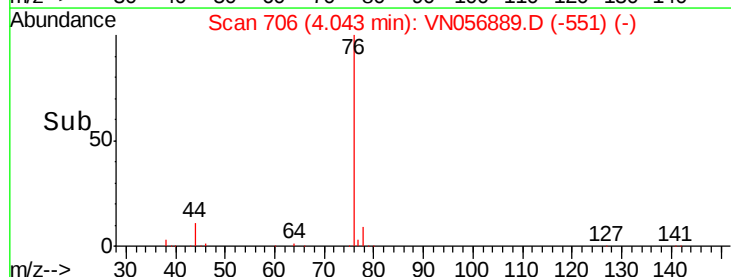
100000

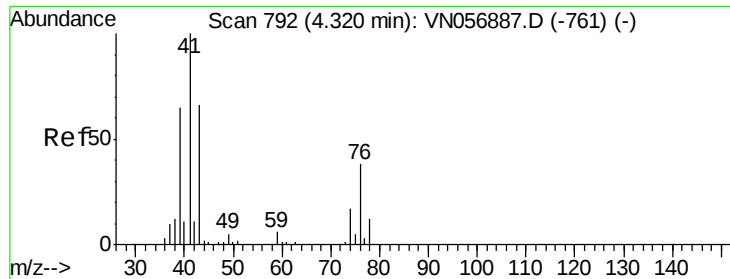
0

4.04

3.90 4.00 4.10 4.20

Time-->

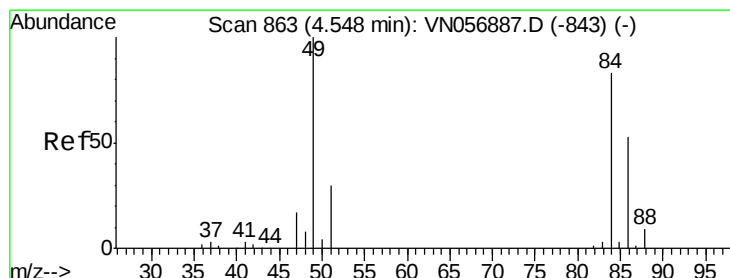
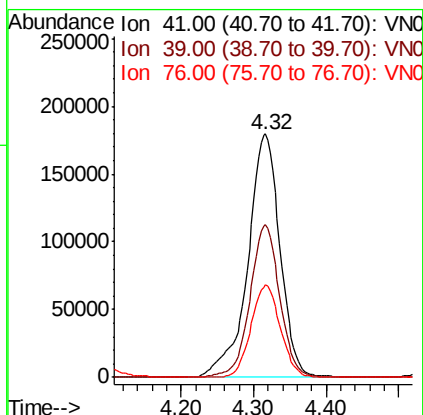
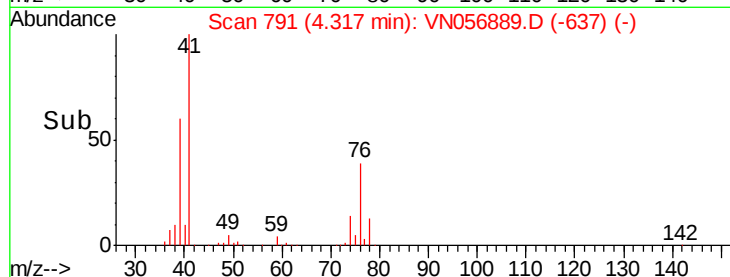
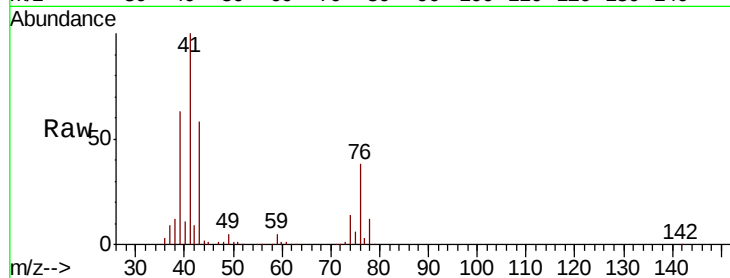




#17
Allvl chloride
Concen: 90.708 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

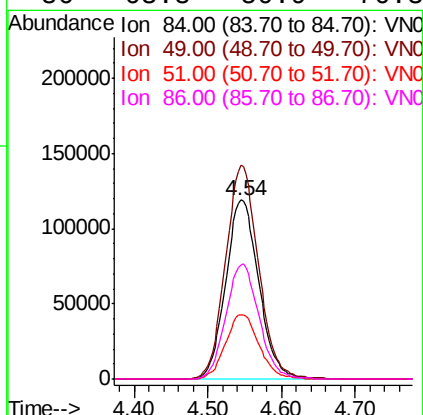
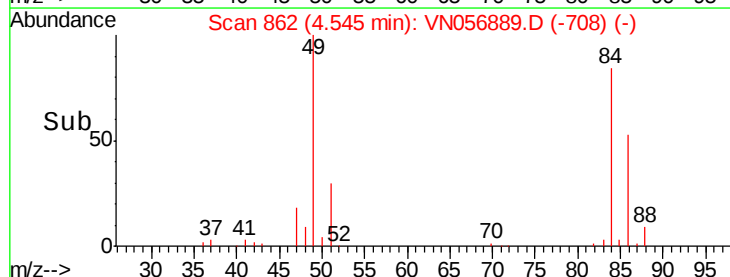
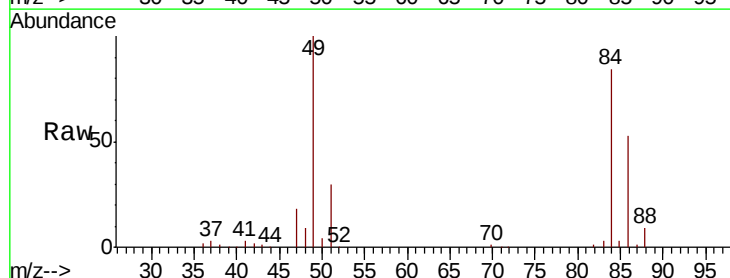
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

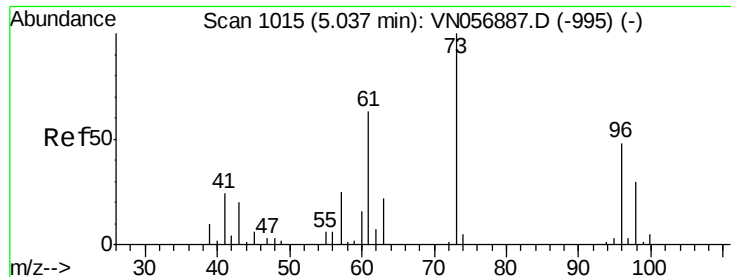
Tot Ion: 41 Resp: 552855
Ion Ratio Lower Upper
41 100
39 62.7 32.4 97.0
76 38.0 19.0 57.0



#18
Methylene Chloride
Concen: 90.314 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 84 Resp: 372112
Ion Ratio Lower Upper
84 100
49 119.2 96.3 144.5
51 35.9 28.8 43.2
86 63.8 50.9 76.3

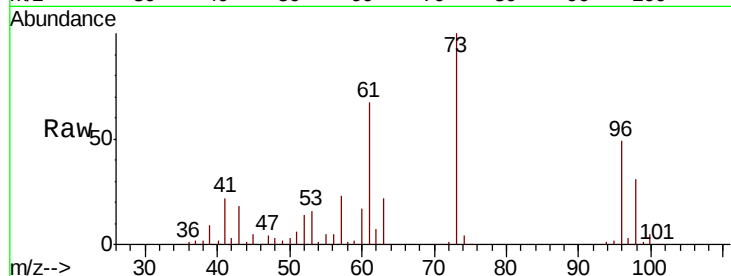




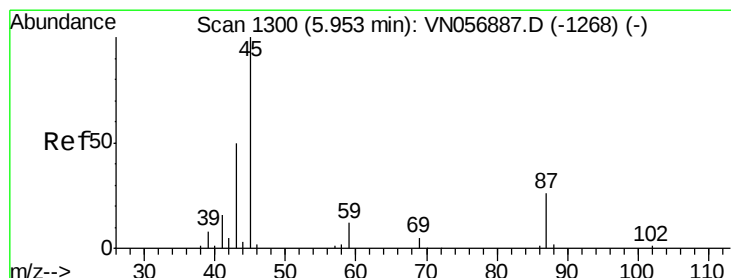
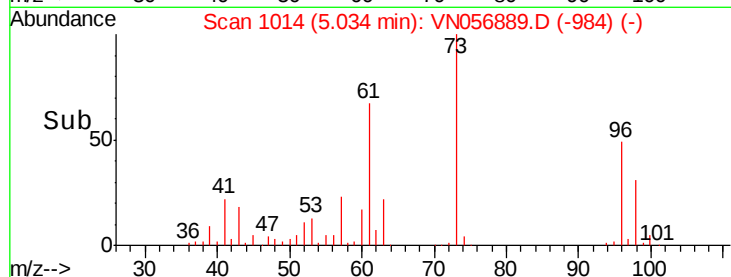
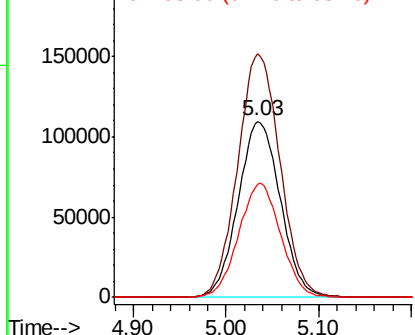
#19
trans-1,2-Dichloroethene
Concen: 92.505 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 345747
Ion Ratio Lower Upper
96 100
61 138.2 105.4 158.0
98 64.2 50.8 76.2

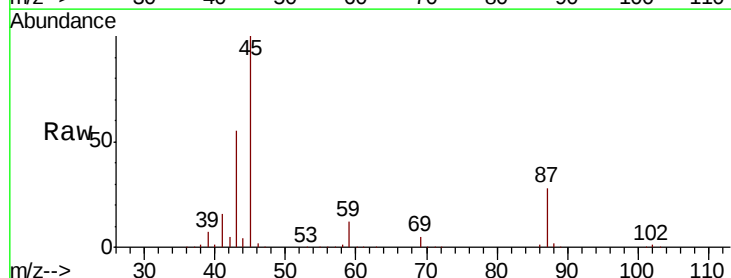


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

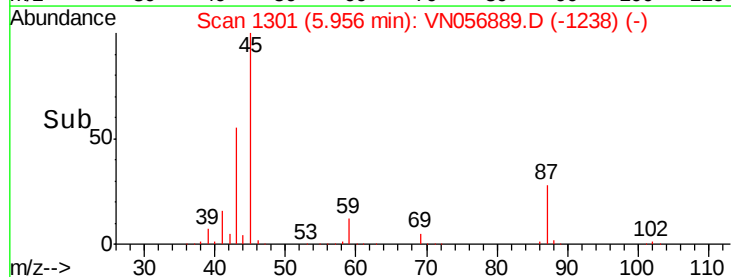
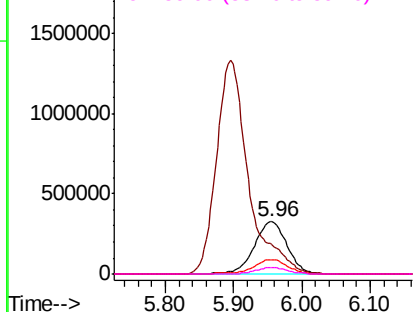


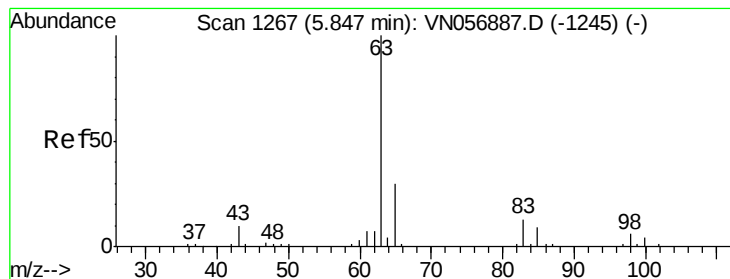
#20
Diisopropyl ether
Concen: 89.688 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 45 Resp: 1095826
Ion Ratio Lower Upper
45 100
43 54.6 47.4 71.0
87 28.2 21.7 32.5
59 11.7 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 90.901 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

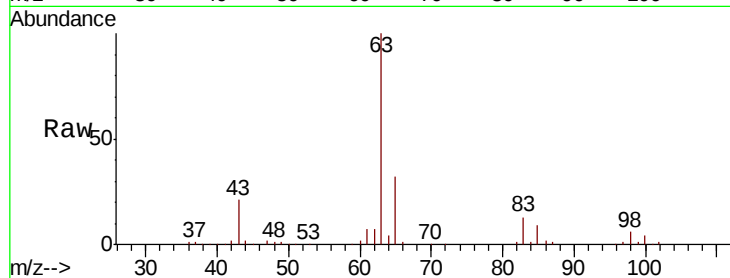
Tot Ion: 63 Resp: 636122

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

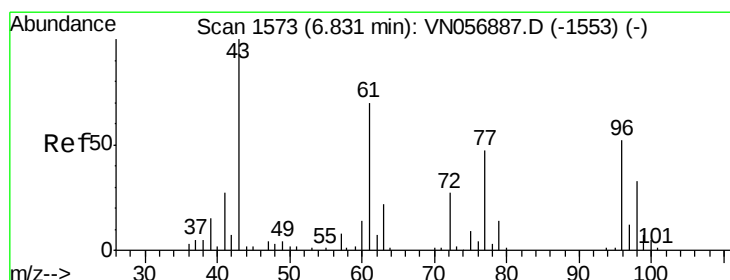
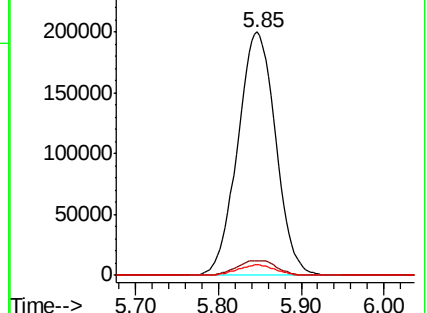
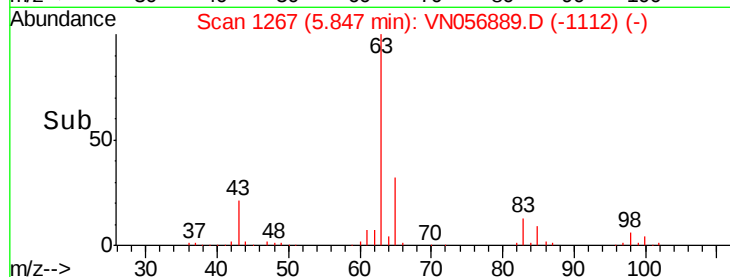
100 4.2 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056889.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN056889.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN056889.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 90.159 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

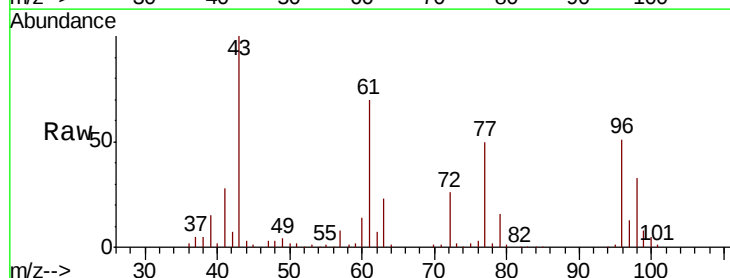
Tgt Ion: 96 Resp: 395686

Ion Ratio Lower Upper

96 100

61 140.8 111.6 167.4

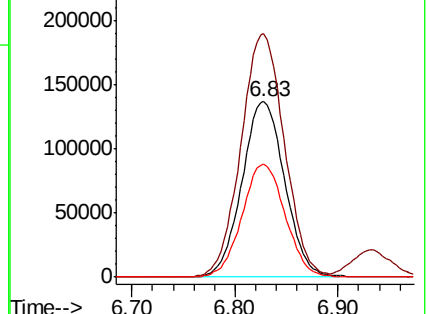
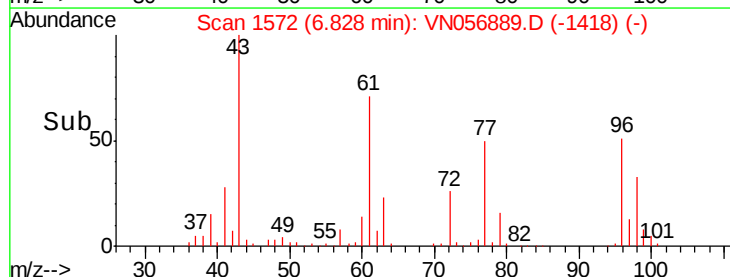
98 65.1 51.0 76.4

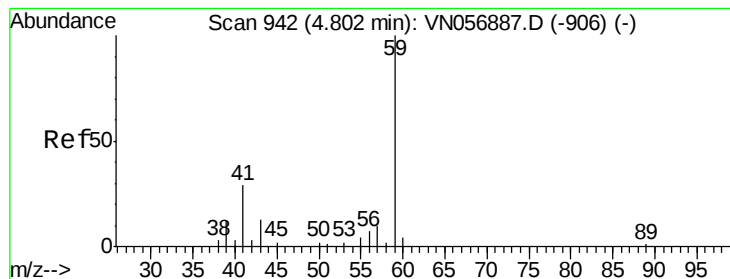


Abundance Ion 96.00 (95.70 to 96.70): VN056889.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN056889.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN056889.D (-1418) (-)





#23

tert-Butyl Alcohol

Concen: 362.901 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.01 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

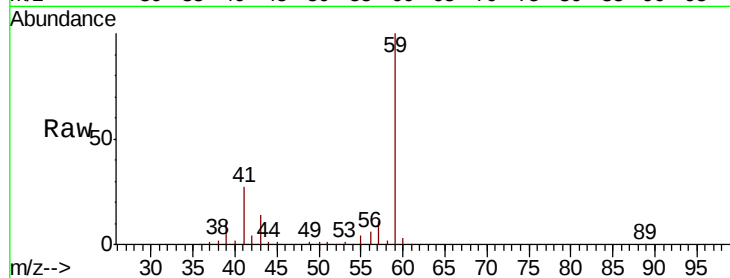
VSTDIC100

Tot Ion: 59 Resp: 256438

Ion Ratio Lower Upper

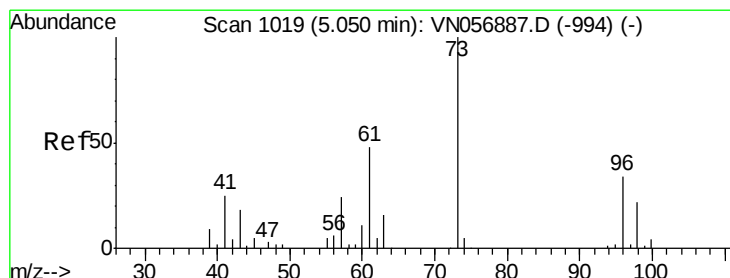
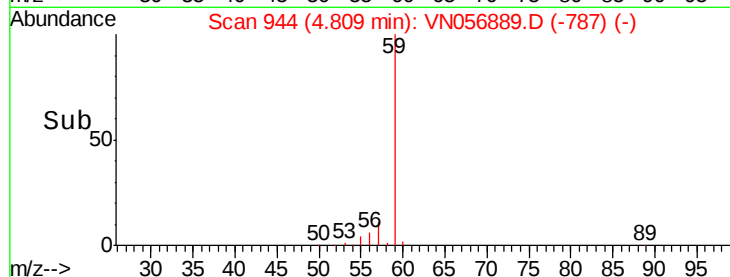
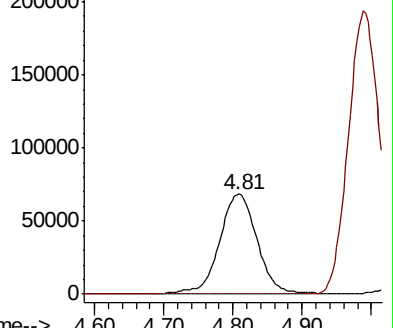
59 100

52 0.1 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: 89.679 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN056889.D

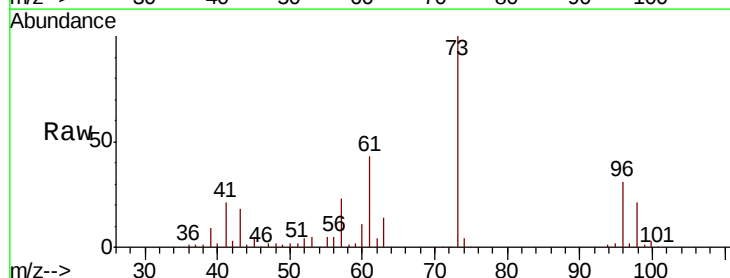
Acq: 23 Jul 2019 20:16

Tgt Ion: 73 Resp: 994516

Ion Ratio Lower Upper

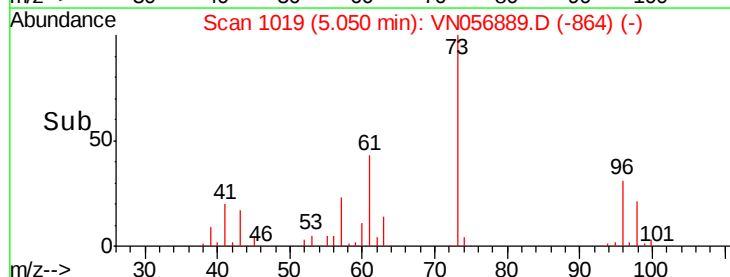
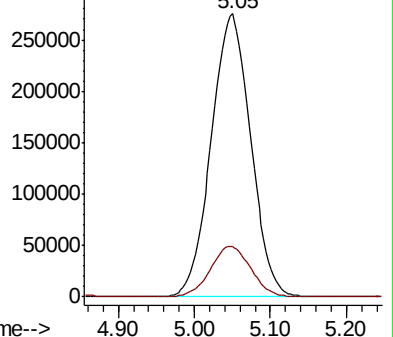
73 100

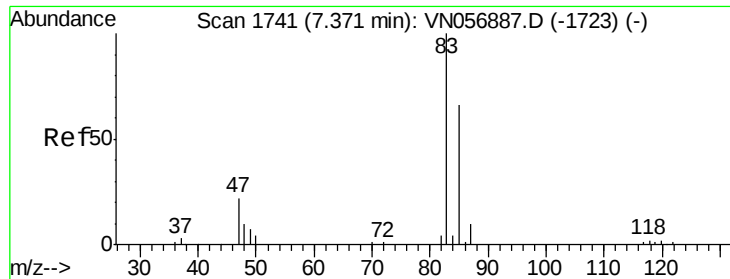
43 18.0 15.4 23.0



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

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

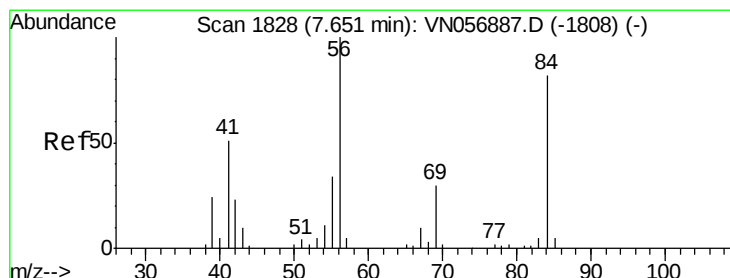
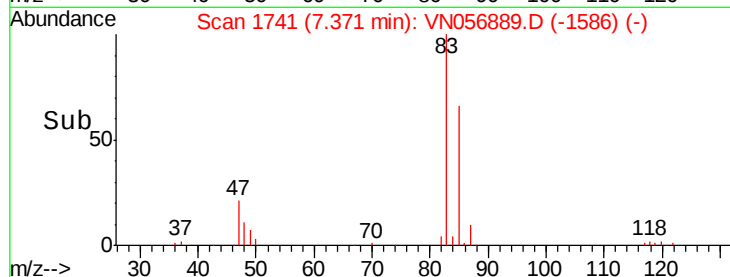
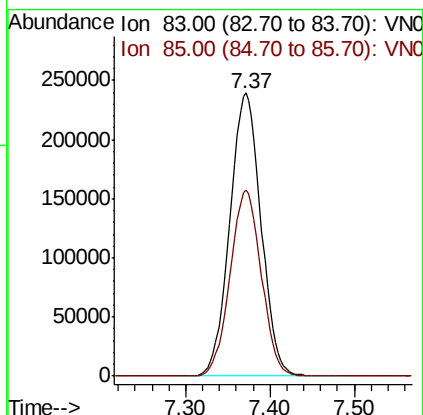
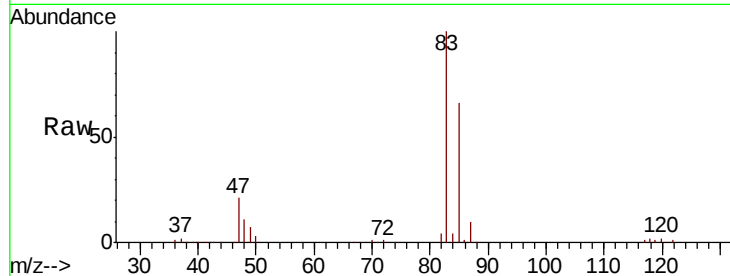




#25
Chloroform
Concen: 90.755 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

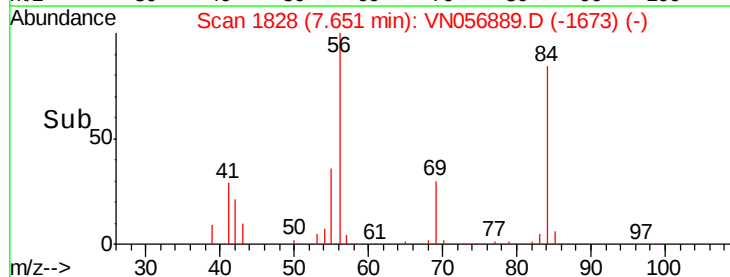
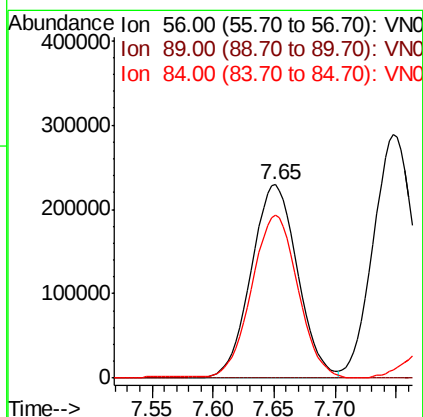
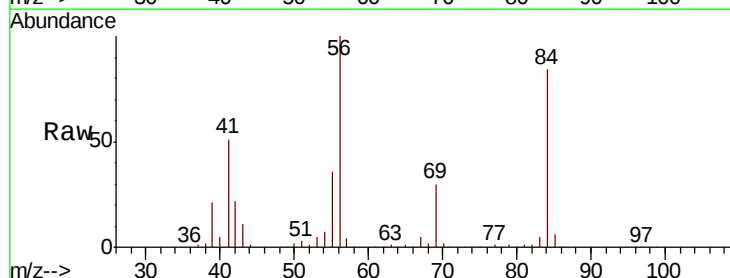
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

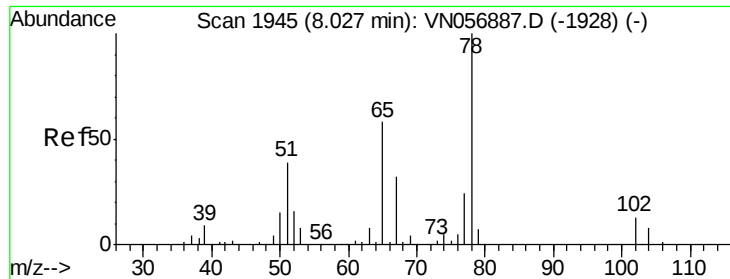
Tot Ion: 83 Resp: 616406
Ion Ratio Lower Upper
83 100
85 65.7 53.1 79.7



#26
Cyclohexane
Concen: 94.013 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 56 Resp: 605031
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.2 67.8 101.6





#27

1,2-Dichloroethane-d4

Concen: 29.113 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

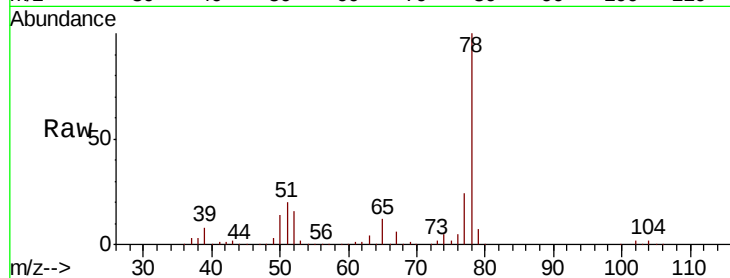
VSTDIC100

Tot Ion: 65 Resp: 119338

Ion Ratio Lower Upper

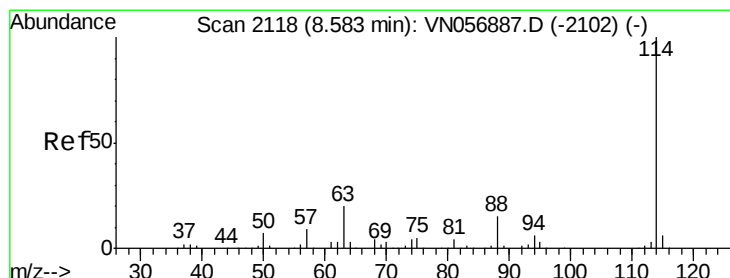
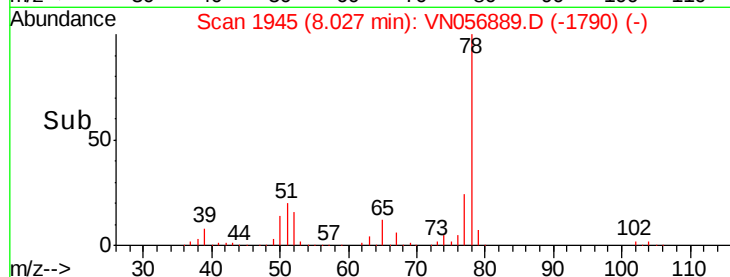
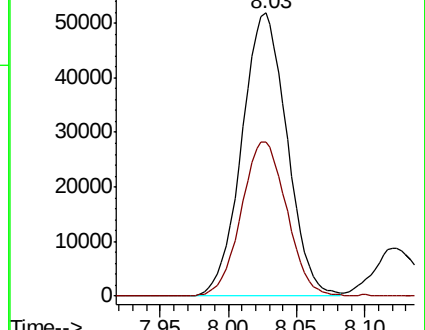
65 100

67 54.7 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN056889.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN056889.D (-1790) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

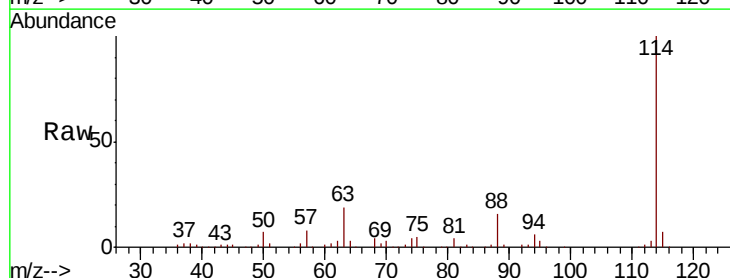
Tgt Ion: 114 Resp: 330583

Ion Ratio Lower Upper

114 100

63 19.4 15.8 23.6

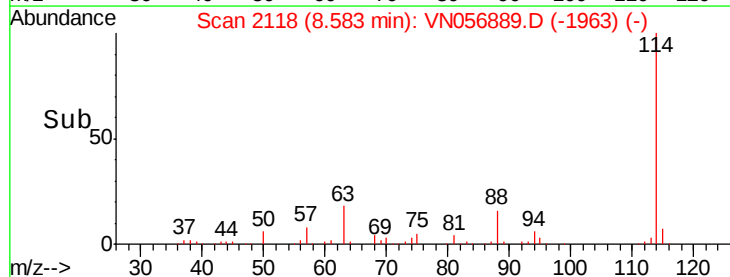
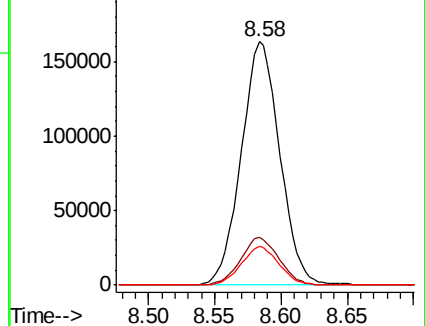
88 15.7 12.5 18.7

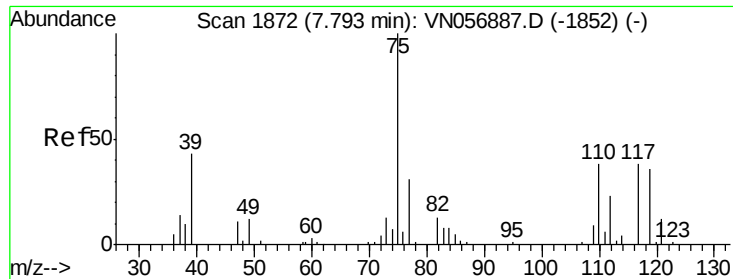


Abundance Ion 114.00 (113.70 to 114.70): VN056889.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN056889.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN056889.D (-1963) (-)





#29

1,1-Dichloropropene

Concen: 94.479 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

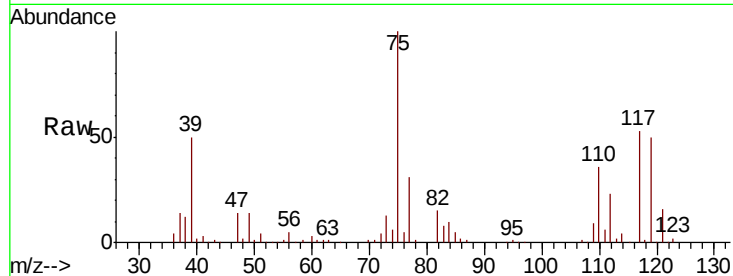
Tot Ion: 75 Resp: 480171

Ion Ratio Lower Upper

75 100

110 36.3 0.0 75.8

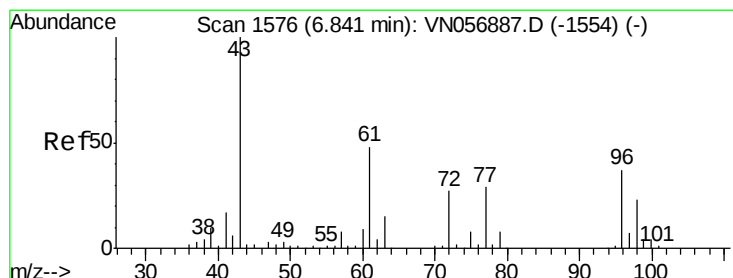
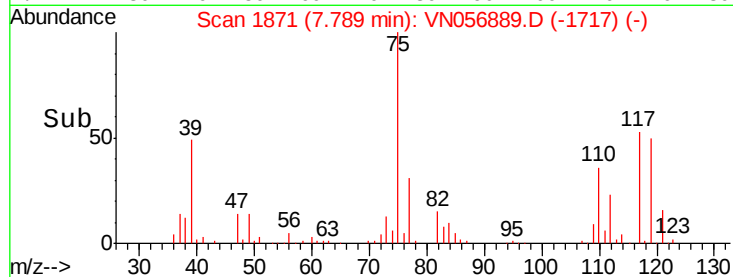
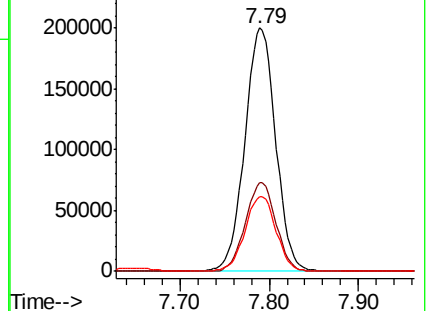
77 31.3 0.0 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN056889.D (-1852) (-)

Ion 110.00 (109.70 to 110.70): VN056889.D (-1852) (-)

Ion 77.00 (76.70 to 77.70): VN056889.D (-1852) (-)



#30

2-Butanone

Concen: 346.704 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

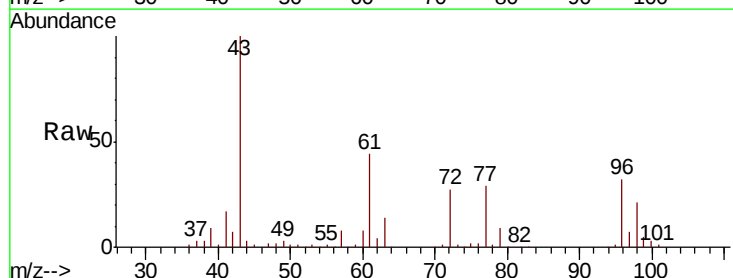
Tgt Ion: 43 Resp: 956703

Ion Ratio Lower Upper

43 100

57 8.2 6.5 9.7

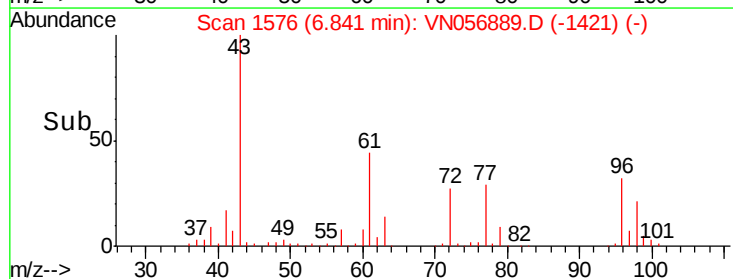
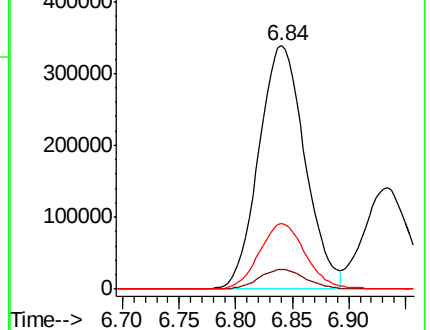
72 27.2 22.1 33.1

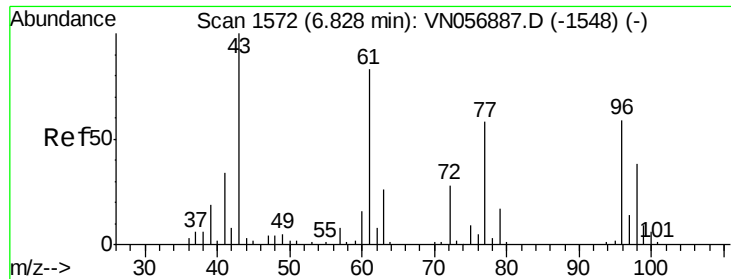


Abundance Ion 43.00 (42.70 to 43.70): VN056889.D (-1421) (-)

Ion 57.00 (56.70 to 57.70): VN056889.D (-1421) (-)

Ion 72.00 (71.70 to 72.70): VN056889.D (-1421) (-)





#31

2,2-Dichloropropane

Concen: 89.222 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

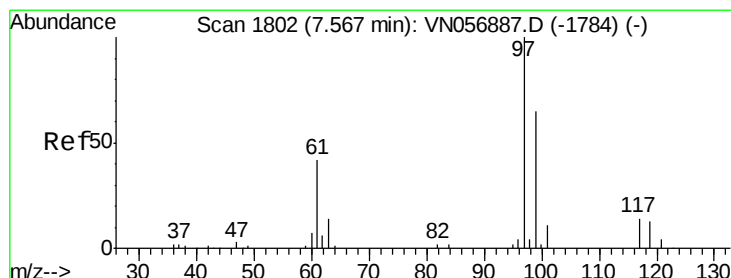
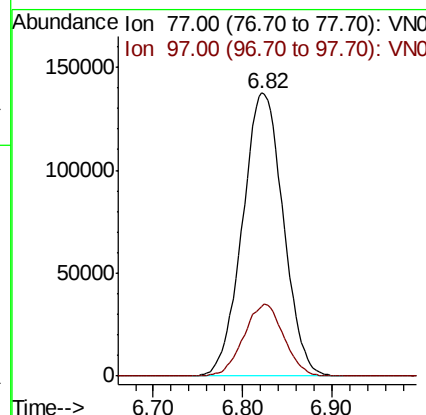
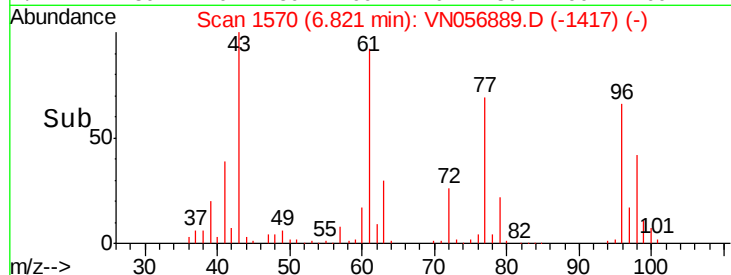
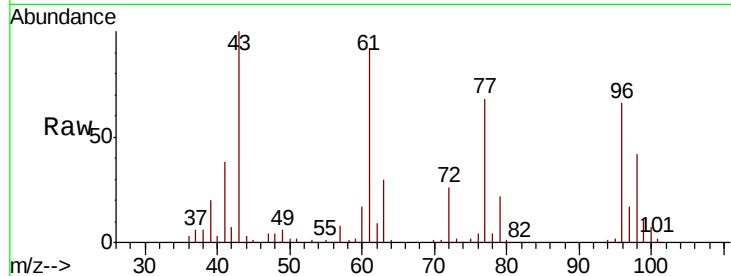
VSTDIC100

Tot Ion: 77 Resp: 437671

Ion Ratio Lower Upper

77 100

97 24.9 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 95.328 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

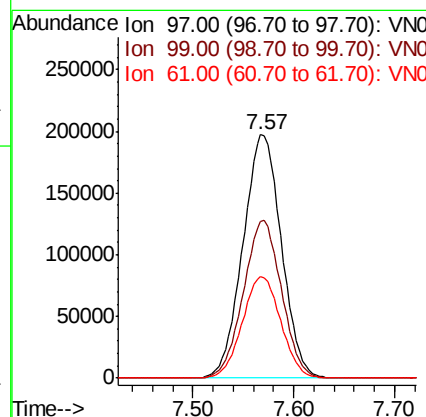
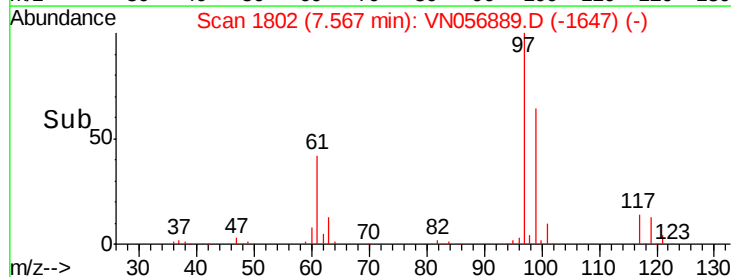
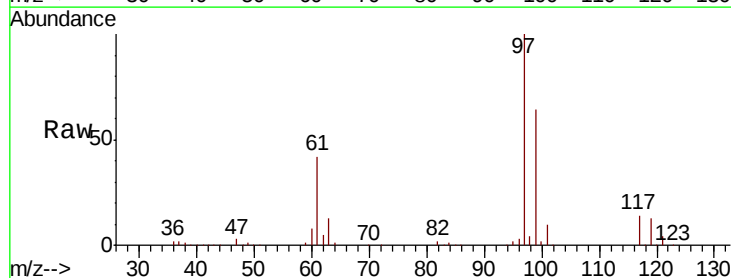
Tgt Ion: 97 Resp: 521342

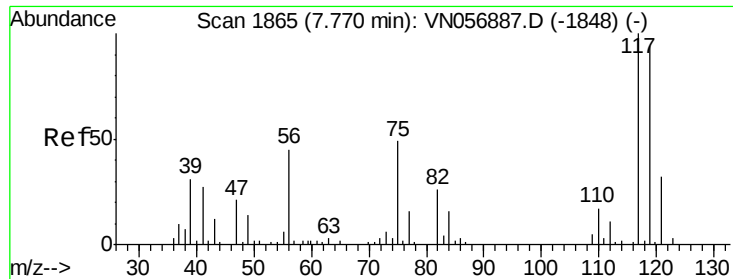
Ion Ratio Lower Upper

97 100

99 64.2 52.3 78.5

61 41.9 34.4 51.6

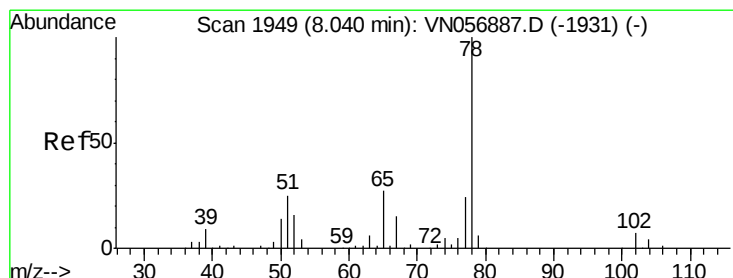
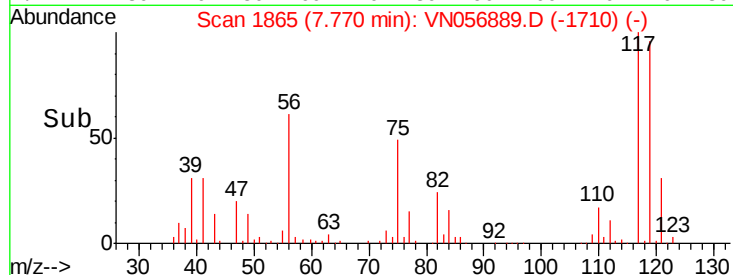
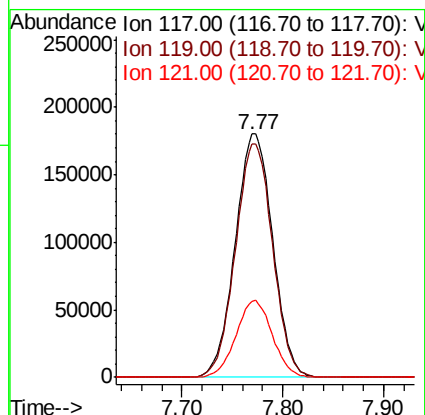
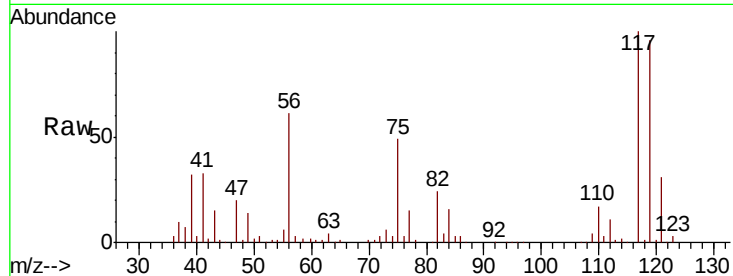




#33
Carbon Tetrachloride
Concen: 98.733 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

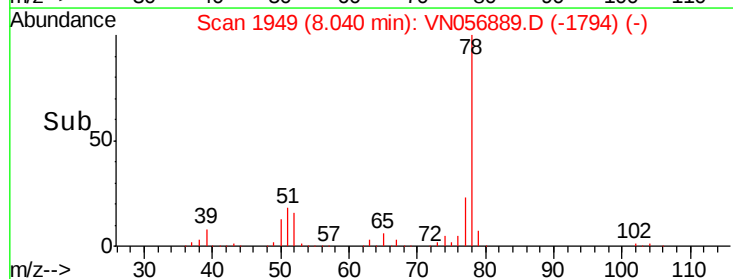
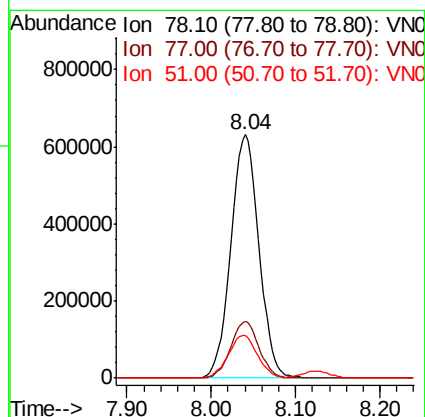
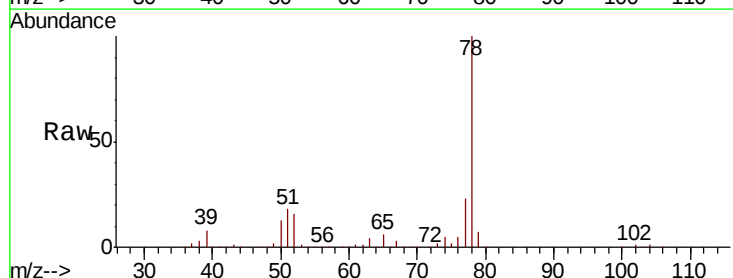
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

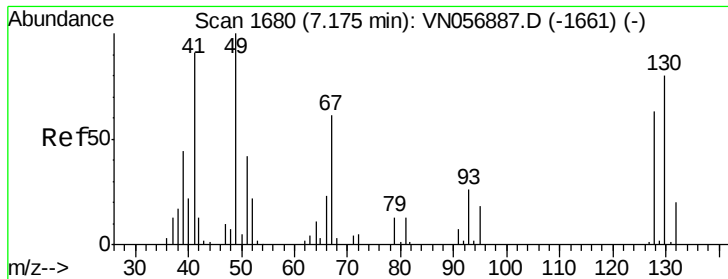
Tot Ion:117 Resp: 464376
Ion Ratio Lower Upper
117 100
119 95.8 75.1 112.7
121 31.4 25.8 38.8



#34
Benzene
Concen: 92.799 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 78 Resp: 1461105
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.2
51 17.7 20.4 30.6#

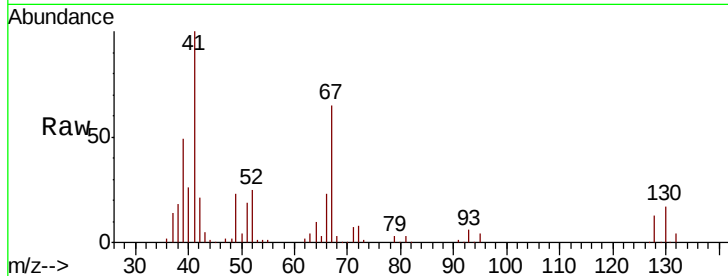




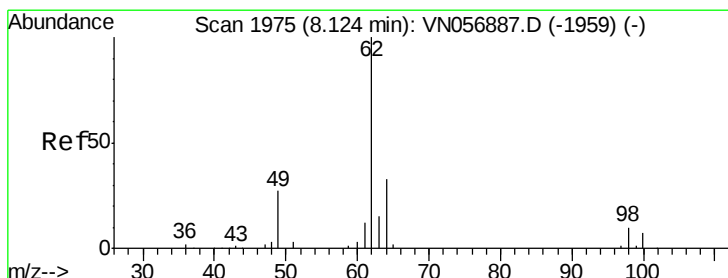
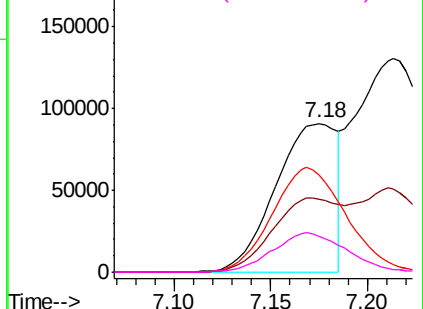
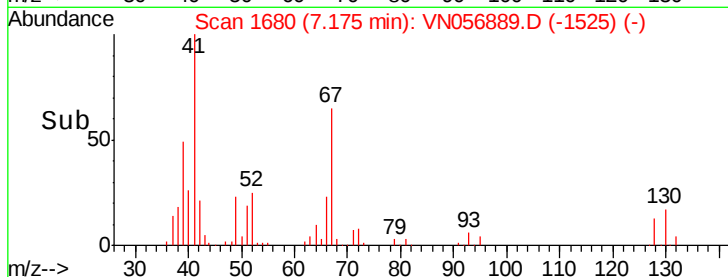
#35
Methacrylonitrile
Concen: 86.859 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 200633
Ion Ratio Lower Upper
41 100
39 48.7 24.4 73.2
67 65.2 33.4 100.1
52 24.3 12.1 36.3

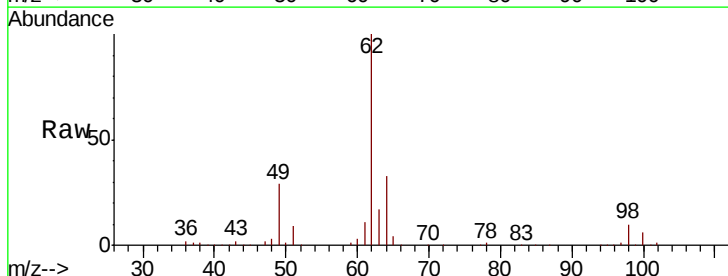


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

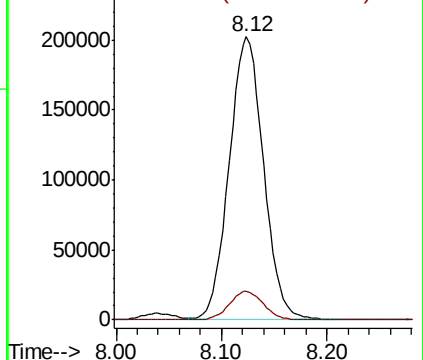
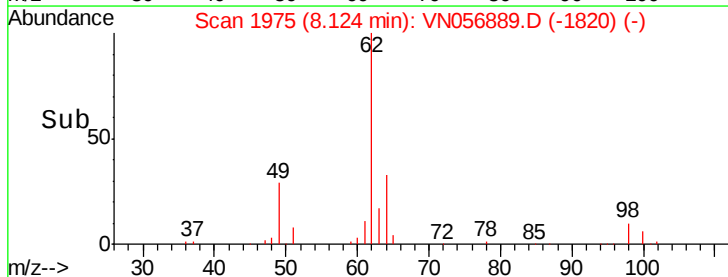


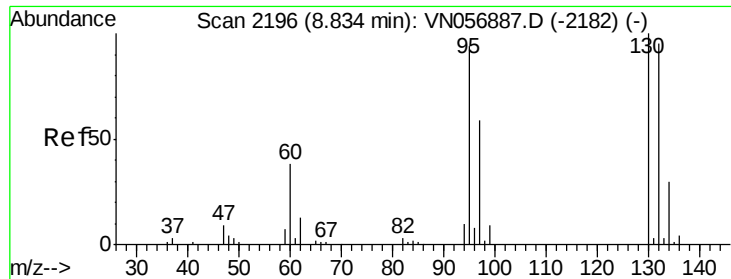
#36
1,2-Dichloroethane
Concen: 90.753 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 62 Resp: 456099
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

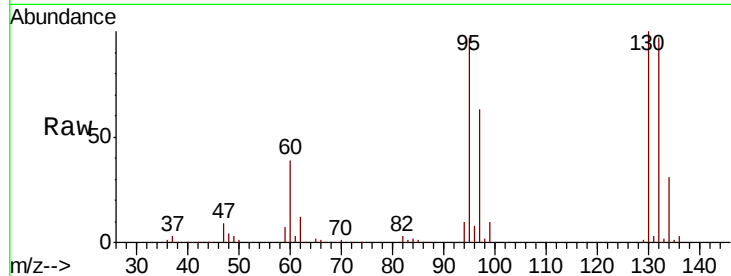




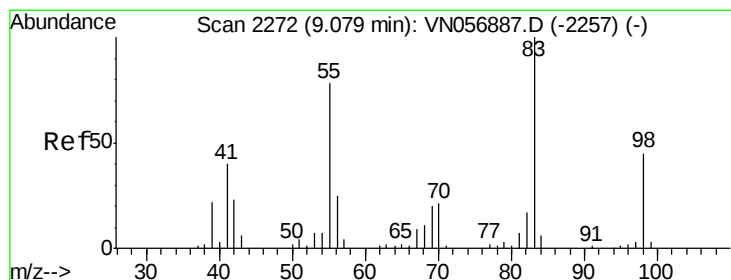
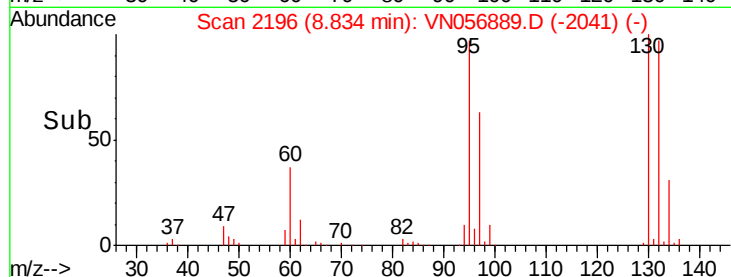
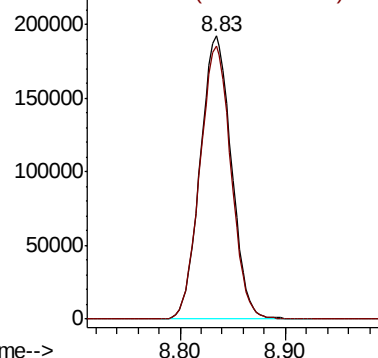
#37
 Trichloroethene
 Concen: 92.529 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 393769
 Ion Ratio Lower Upper
 130 100
 95 96.6 74.9 112.3

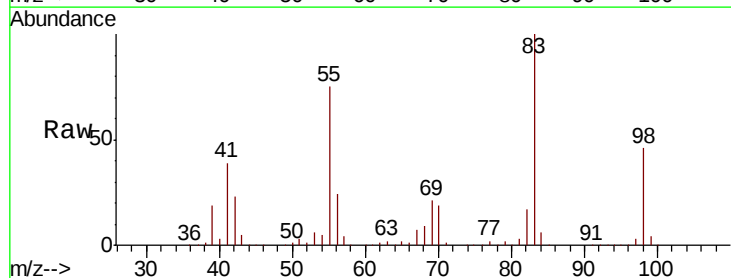


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

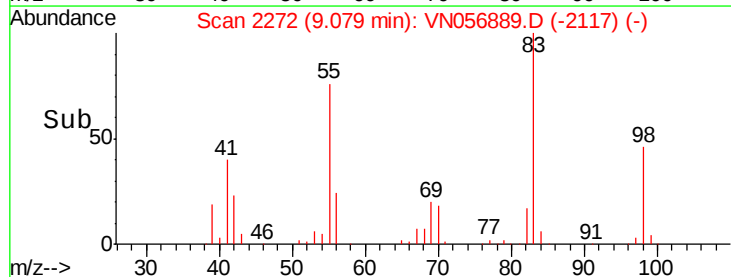
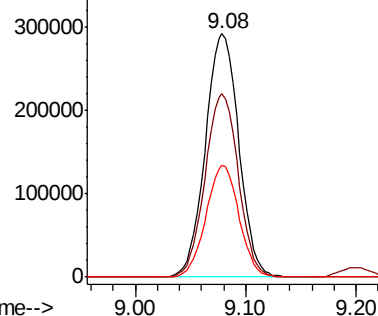


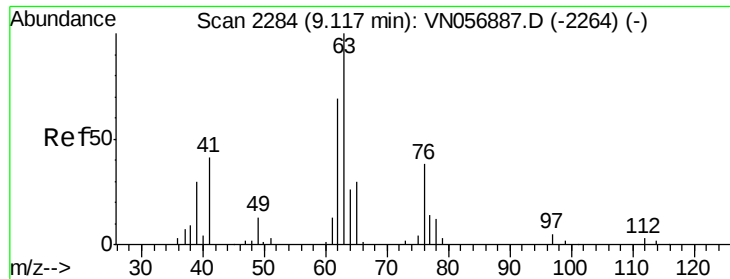
#38
 Methylcyclohexane
 Concen: 96.135 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 83 Resp: 615574
 Ion Ratio Lower Upper
 83 100
 55 74.8 38.4 115.1
 98 45.3 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: 92.578 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

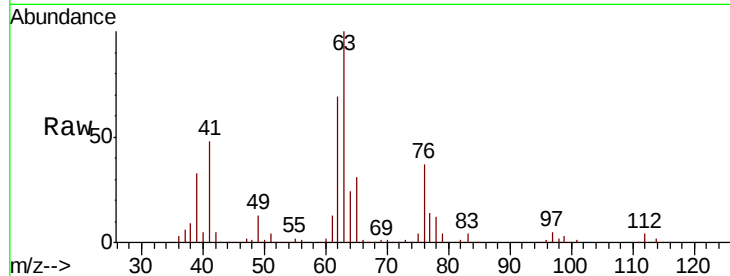
VSTDIC100

Tot Ion: 63 Resp: 390342

Ion Ratio Lower Upper

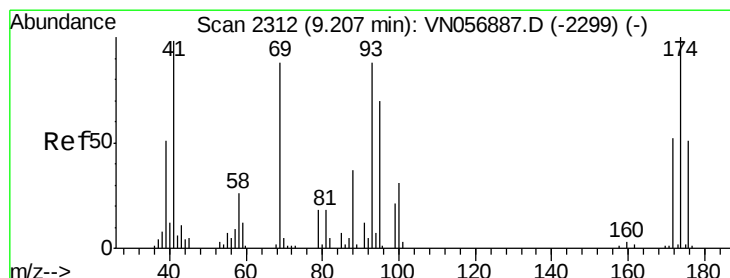
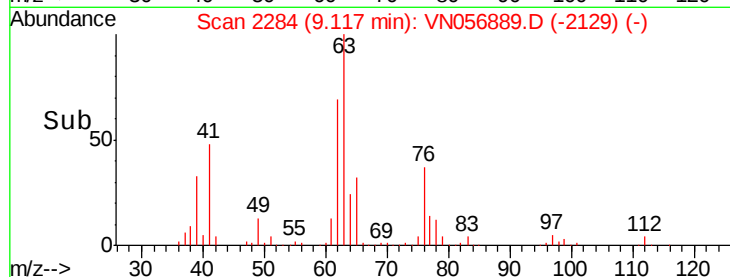
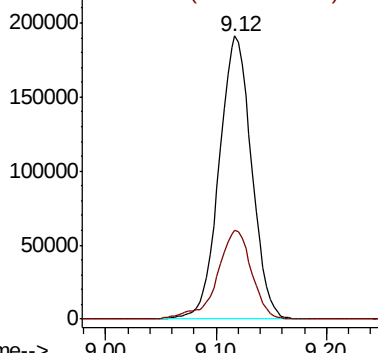
63 100

65 31.4 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 90.320 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

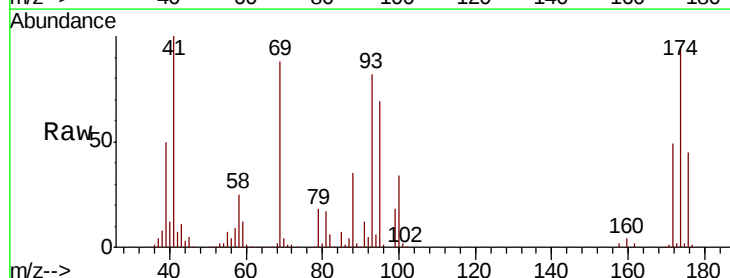
Tgt Ion: 93 Resp: 241453

Ion Ratio Lower Upper

93 100

95 83.0 0.0 165.8

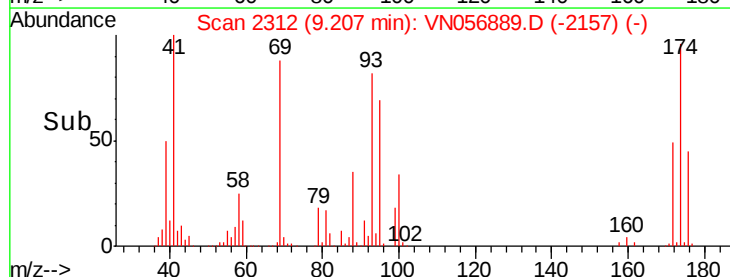
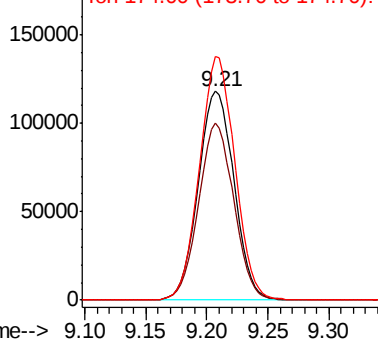
174 114.9 0.0 232.4

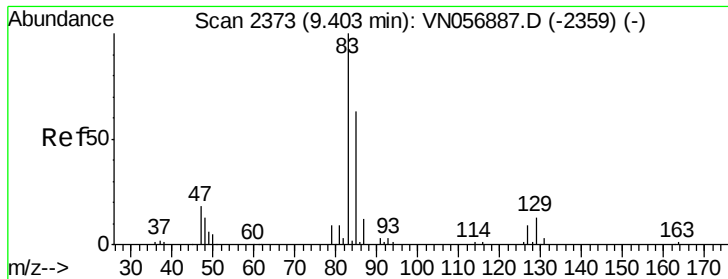


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 95.579 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

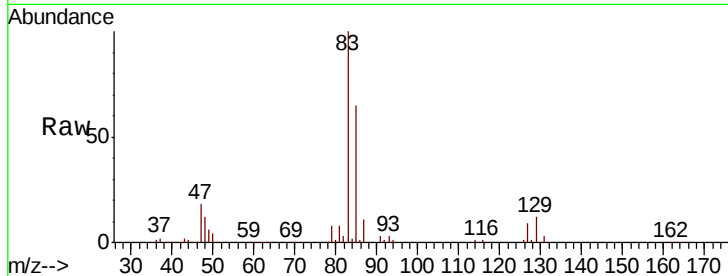
Tot Ion: 83 Resp: 473669

Ion Ratio Lower Upper

83 100

85 64.9 50.6 75.8

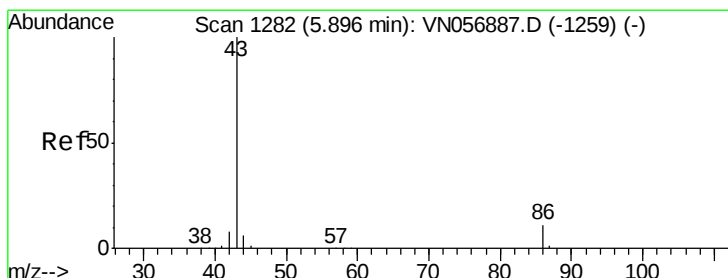
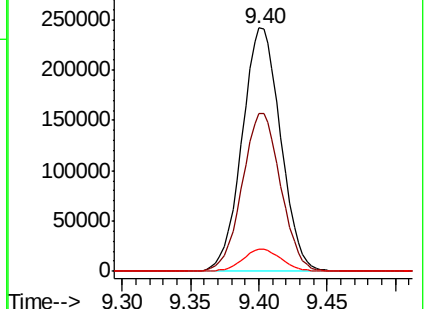
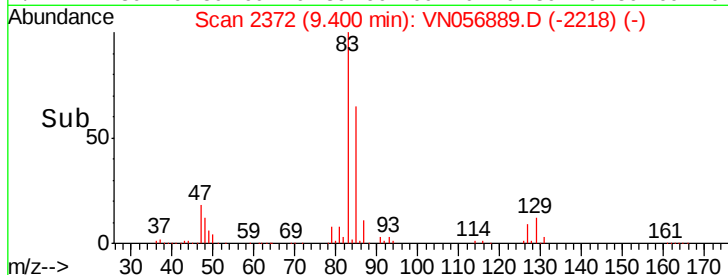
127 9.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN056889.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN056889.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN056889.D (-2218) (-)



#42

Vinyl Acetate

Concen: 449.793 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056889.D

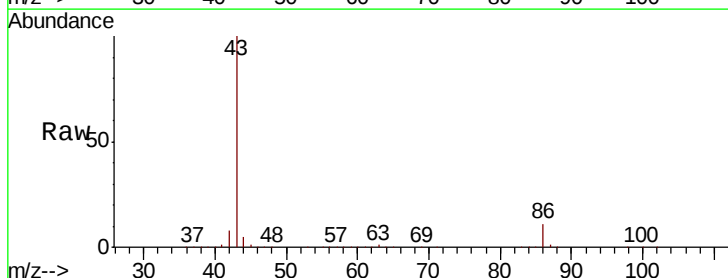
Acq: 23 Jul 2019 20:16

Tgt Ion: 43 Resp: 4358575

Ion Ratio Lower Upper

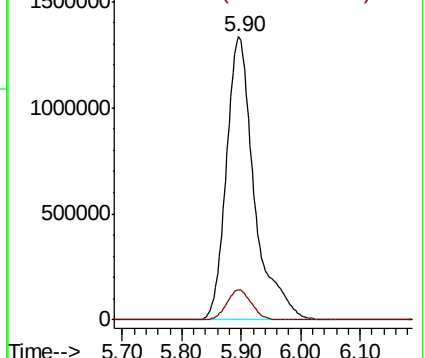
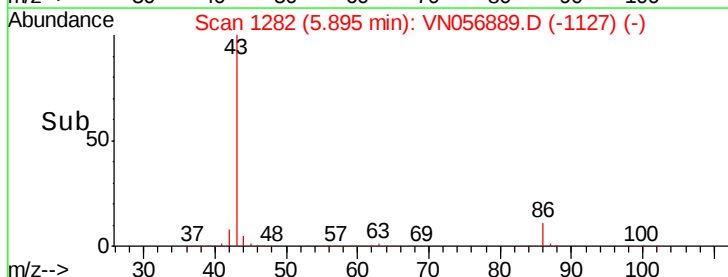
43 100

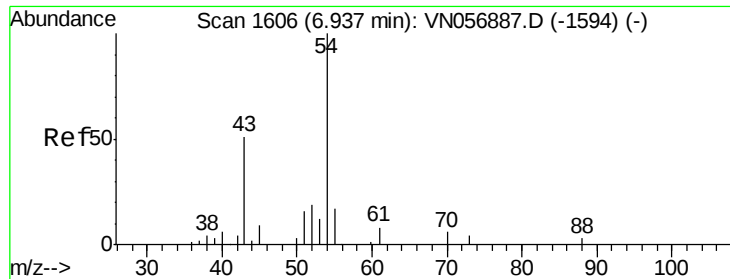
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056889.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN056889.D (-1127) (-)





#43

Ethyl Acetate

Concen: 76.507 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

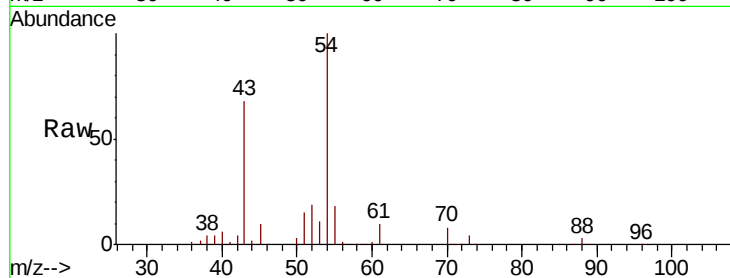
VSTDIC100

Tot Ion: 43 Resp: 391418

Ion Ratio Lower Upper

43 100

45 15.0 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN056889.D (-1451) (-)

Ion 45.00 (44.70 to 45.70): VN056889.D (-1451) (-)

400000

300000

200000

100000

0

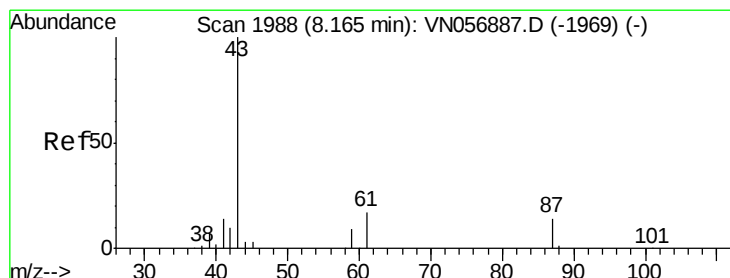
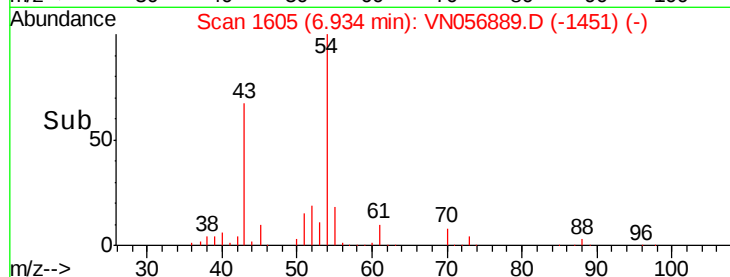
6.93

6.90

7.00

7.10

Time-->



#44

Isopropyl Acetate

Concen: 80.430 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056889.D

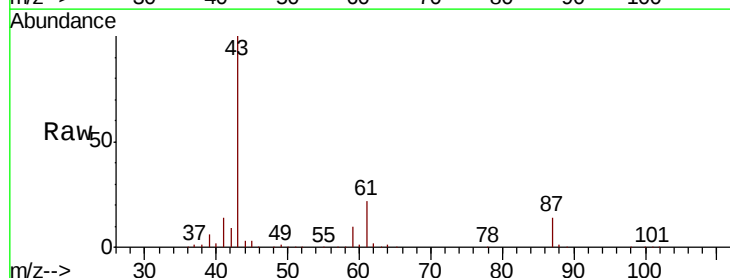
Acq: 23 Jul 2019 20:16

Tgt Ion: 43 Resp: 655623

Ion Ratio Lower Upper

43 100

61 22.5 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056889.D (-1833) (-)

Ion 61.00 (60.70 to 61.70): VN056889.D (-1833) (-)

300000

200000

100000

0

8.17

8.05

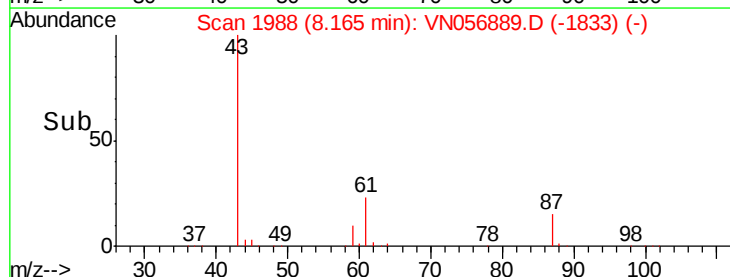
8.10

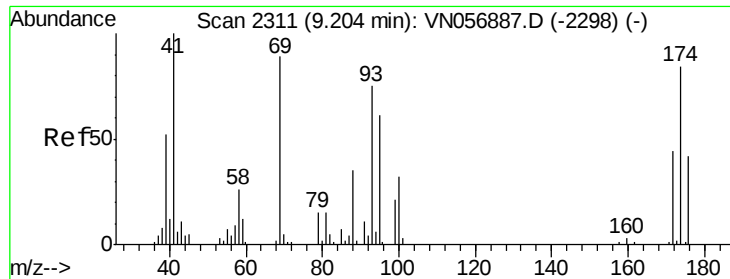
8.15

8.20

8.25

Time-->

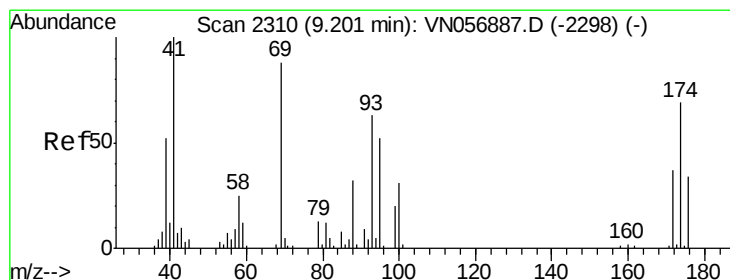
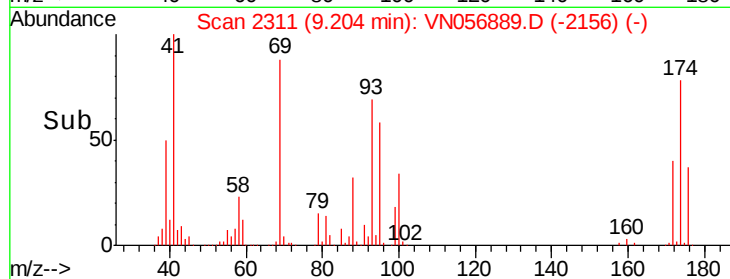
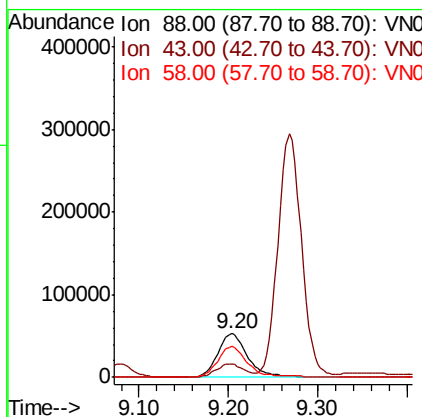
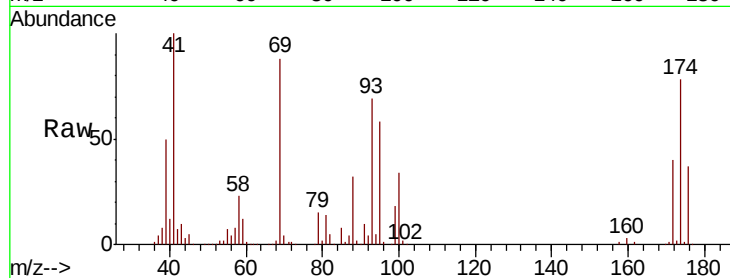




#45
 1,4-Dioxane
 Concen: 1542.988 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

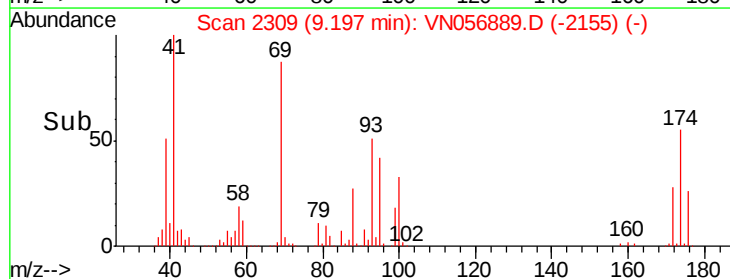
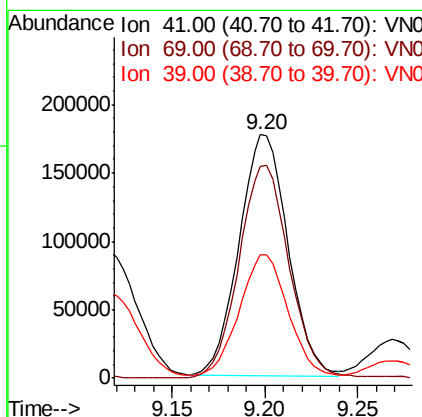
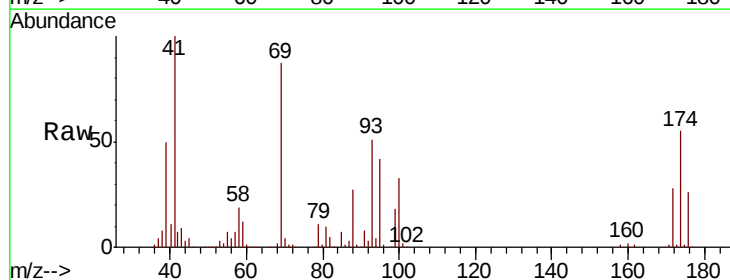
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

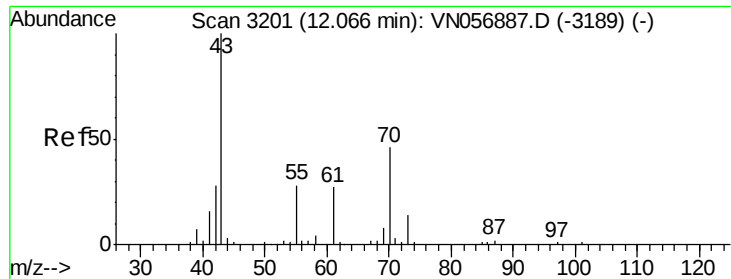
Tot Ion: 88 Resp: 124217
 Ion Ratio Lower Upper
 88 100
 43 27.1 23.4 35.0
 58 67.5 58.5 87.7



#46
 Methyl methacrylate
 Concen: 83.092 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 41 Resp: 324568
 Ion Ratio Lower Upper
 41 100
 69 87.8 44.0 132.0
 39 49.9 25.8 77.4

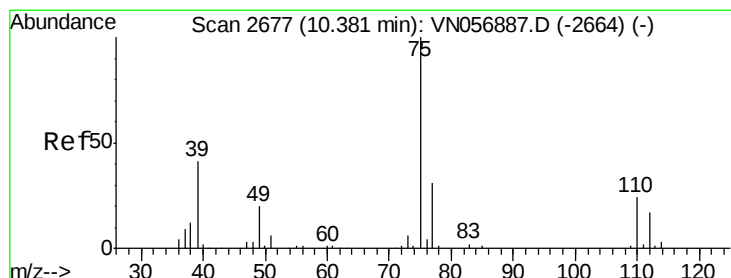
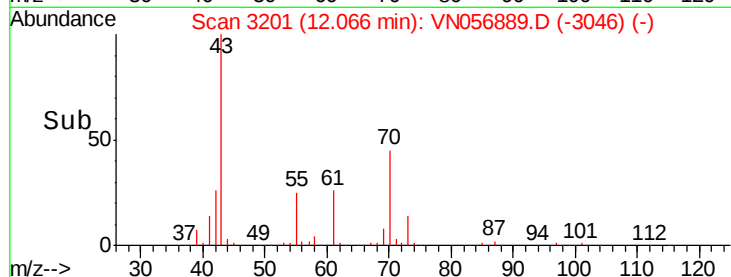
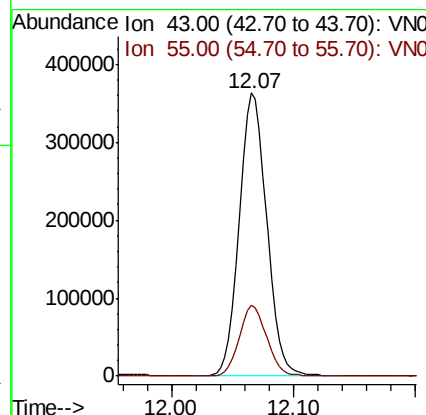
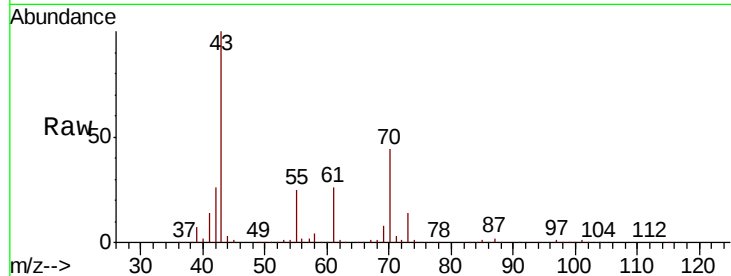




#47
n-amvl Acetate
Concen: 85.848 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

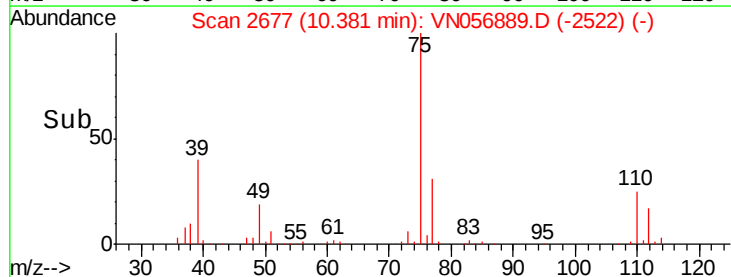
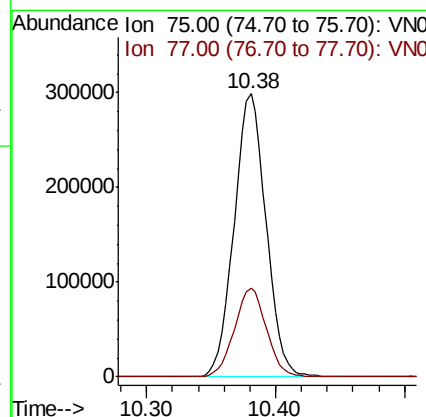
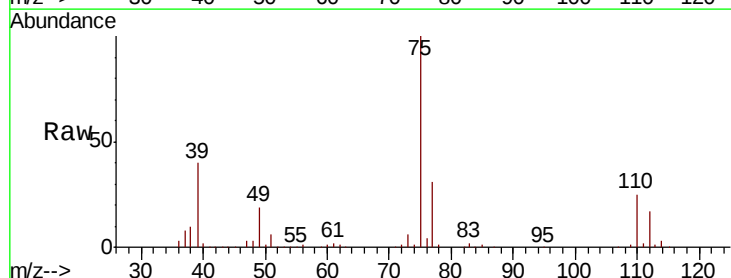
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

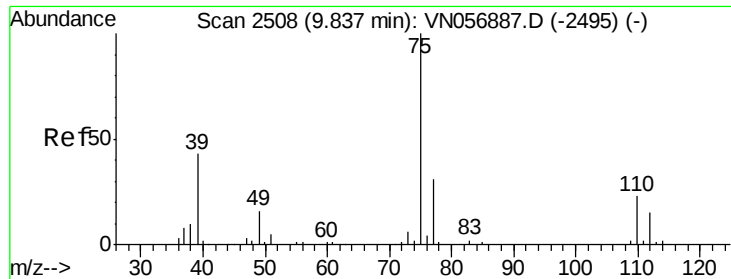
Tot Ion: 43 Resp: 567569
Ion Ratio Lower Upper
43 100
55 25.2 21.3 31.9



#48
t-1,3-Dichloropropene
Concen: 95.107 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 75 Resp: 514132
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0

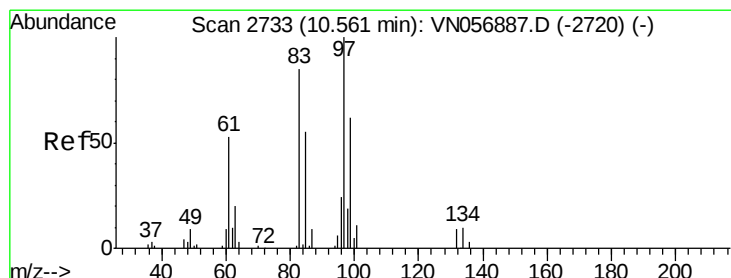
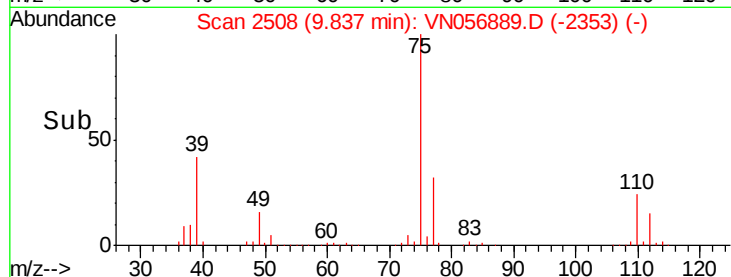
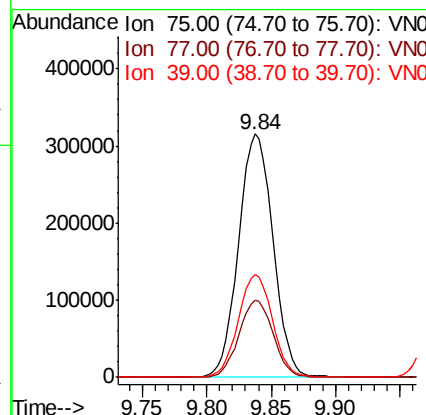
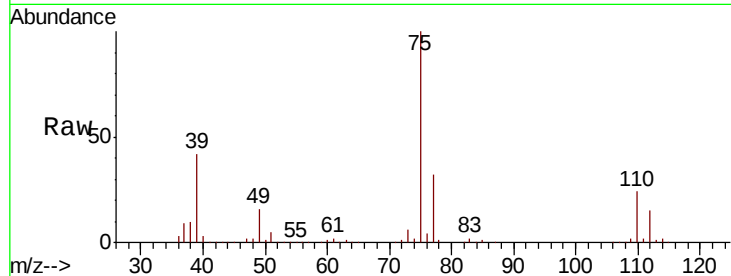




#49
 cis-1,3-Dichloropropene
 Concen: 95.958 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

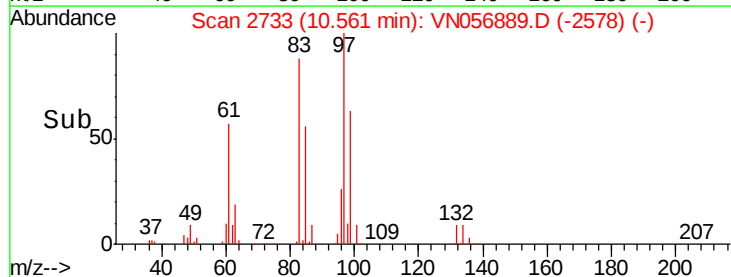
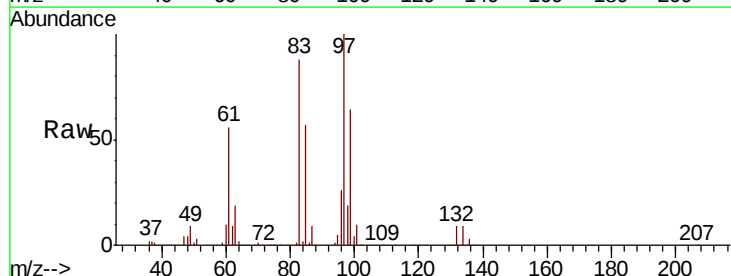
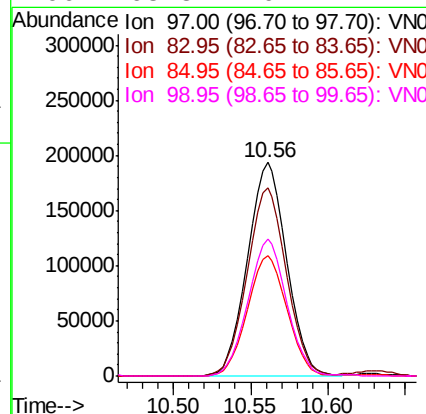
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

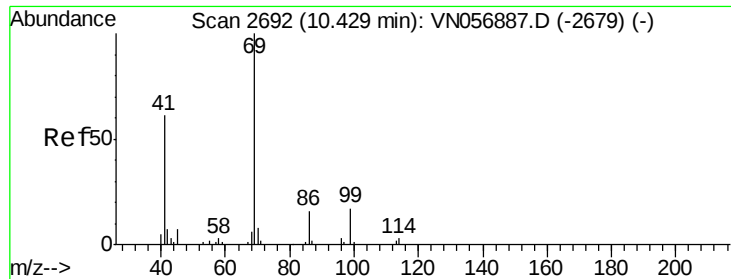
Tot Ion: 75 Resp: 588720
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.4 36.6
 39 42.1 34.2 51.4



#50
 1,1,2-Trichloroethane
 Concen: 87.090 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 97 Resp: 340729
 Ion Ratio Lower Upper
 97 100
 83 87.9 68.4 102.6
 85 56.6 44.3 66.5
 99 63.8 49.4 74.2





#51

Ethyl methacrylate

Concen: 89.426 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

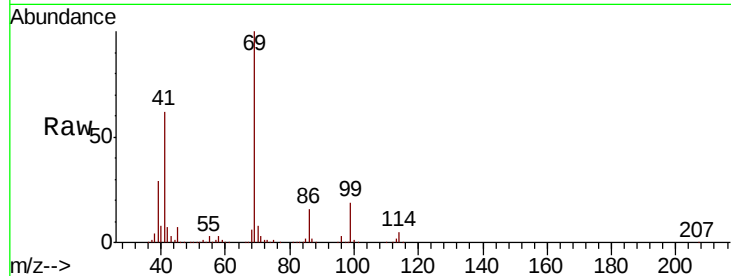
Tot Ion: 69 Resp: 530195

Ion Ratio Lower Upper

69 100

41 61.9 30.4 91.3

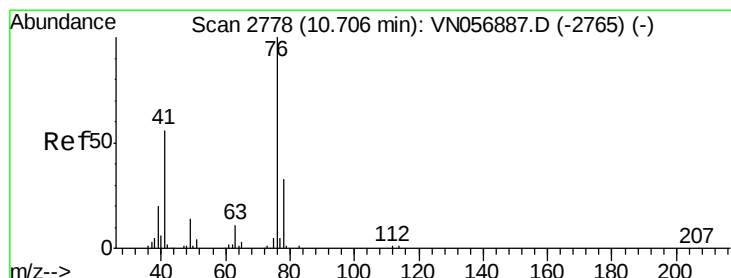
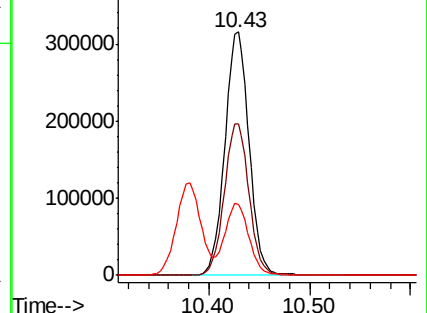
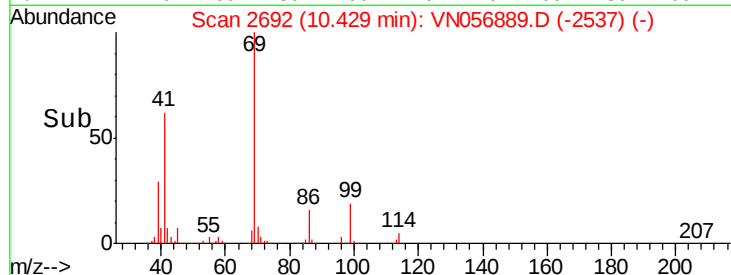
39 29.1 14.2 42.6



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: 90.548 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056889.D

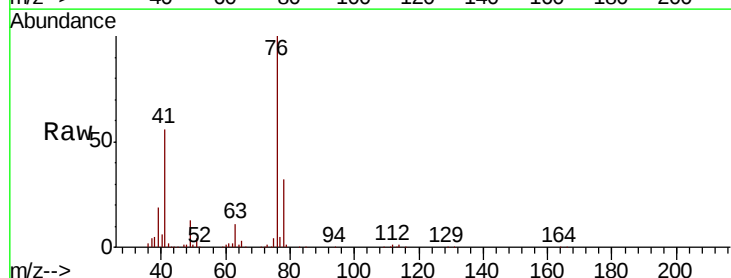
Acq: 23 Jul 2019 20:16

Tgt Ion: 76 Resp: 588077

Ion Ratio Lower Upper

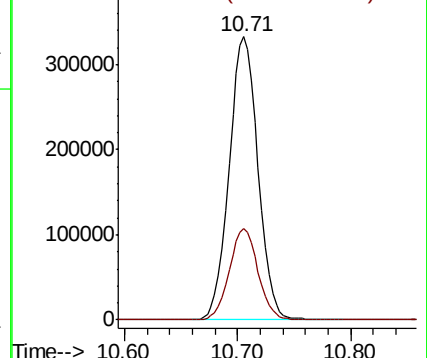
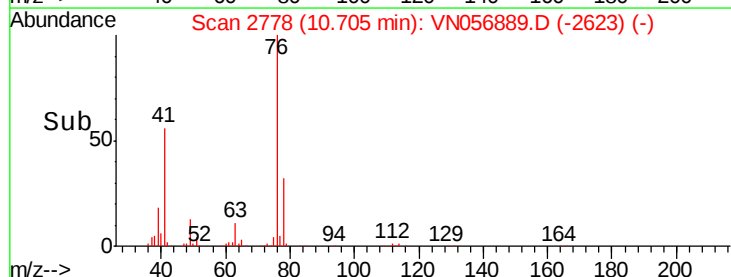
76 100

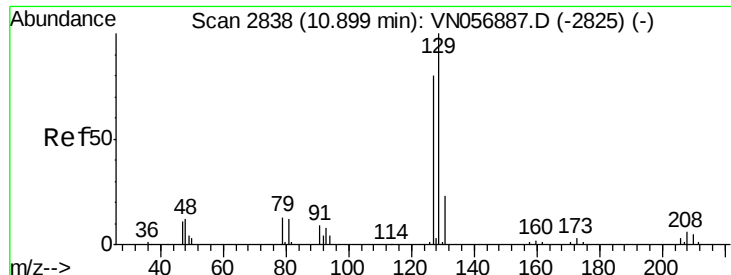
78 32.2 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 96.494 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

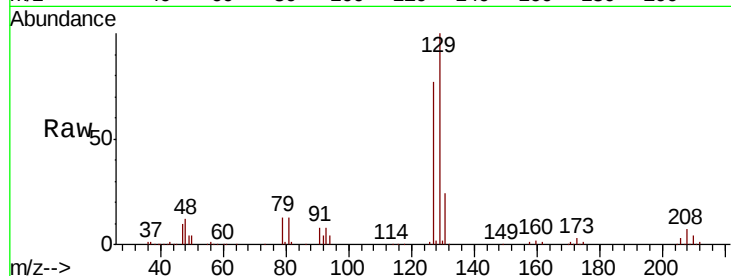
VSTDIC100

Tot Ion:129 Resp: 381978

Ion Ratio Lower Upper

129 100

127 77.0 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

100000

50000

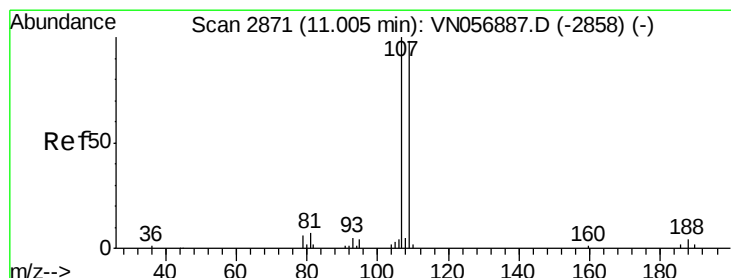
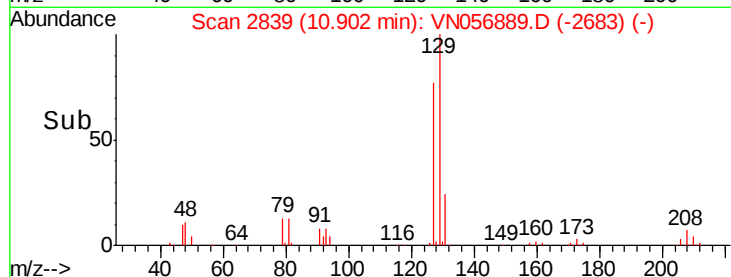
0

10.80

10.90

11.00

Time-->



#54

1,2-Dibromoethane

Concen: 90.251 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056889.D

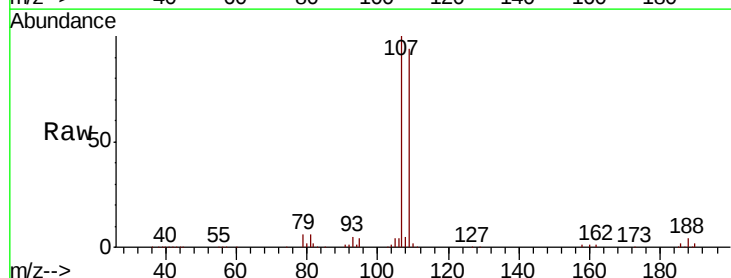
Acq: 23 Jul 2019 20:16

Tgt Ion:107 Resp: 363997

Ion Ratio Lower Upper

107 100

109 93.6 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

100000

50000

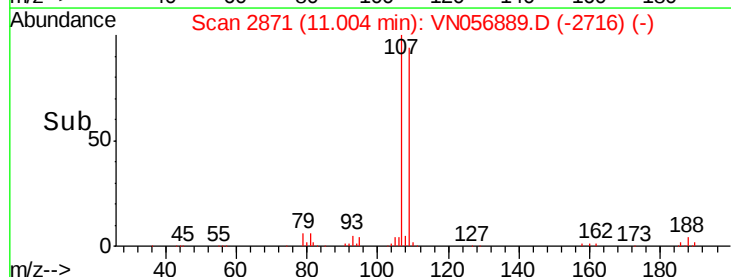
0

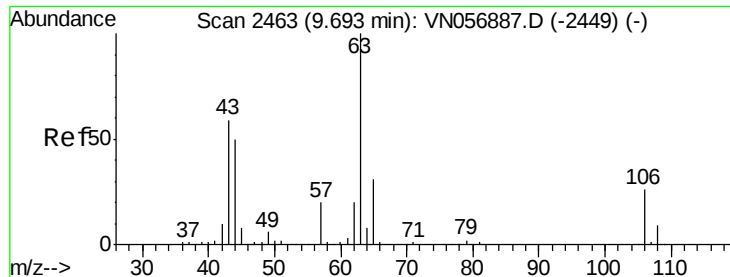
10.90

11.00

11.10

Time-->

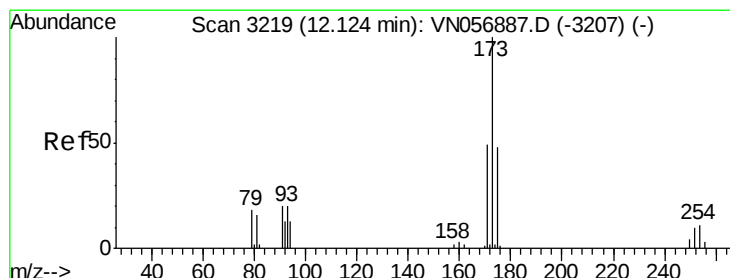
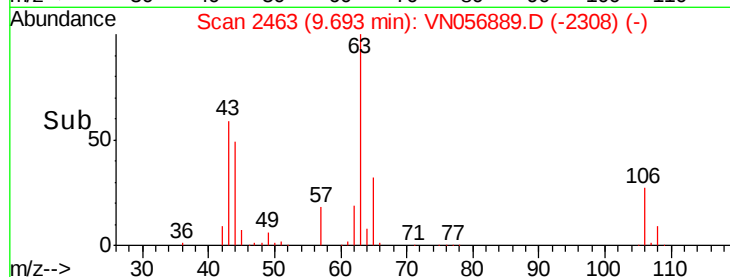
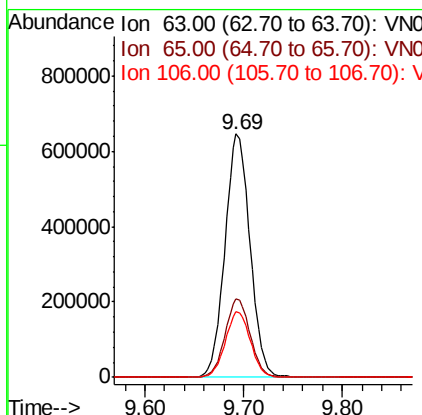
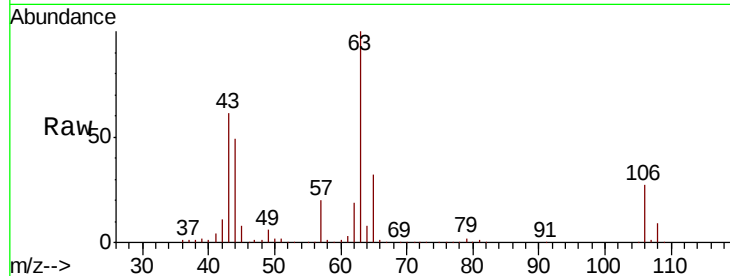




#55
2-Chloroethyl vinyl ether
Concen: 409.131 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

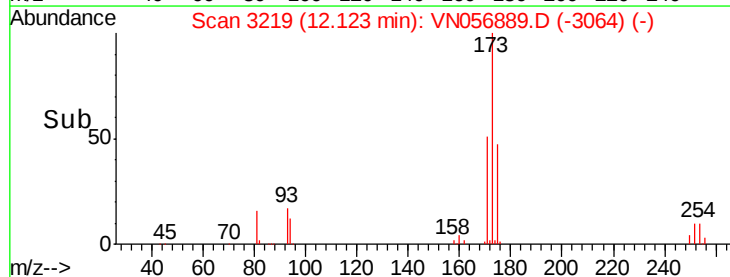
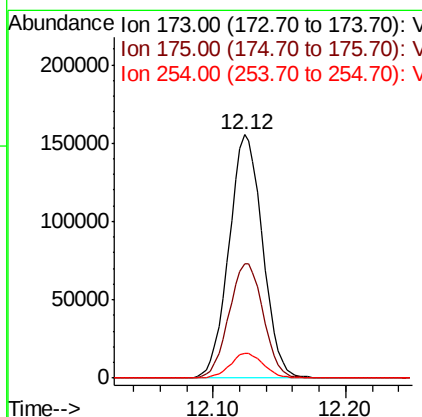
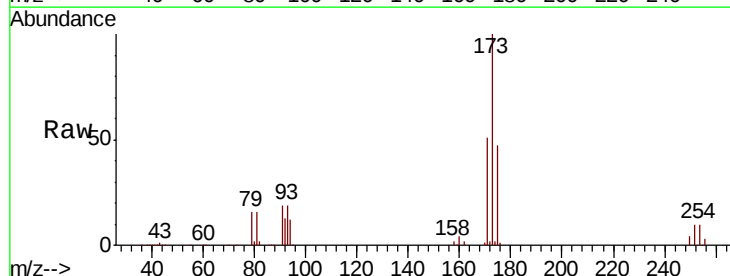
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

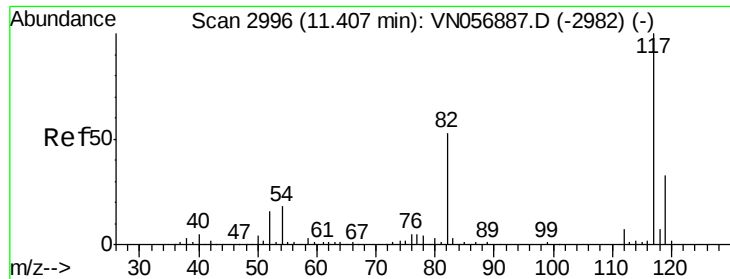
Tot Ion: 63 Resp: 1154207
Ion Ratio Lower Upper
63 100
65 32.2 25.1 37.7
106 27.0 21.5 32.3



#56
Bromoform
Concen: 94.364 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 173 Resp: 273593
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 10.1 8.1 12.1

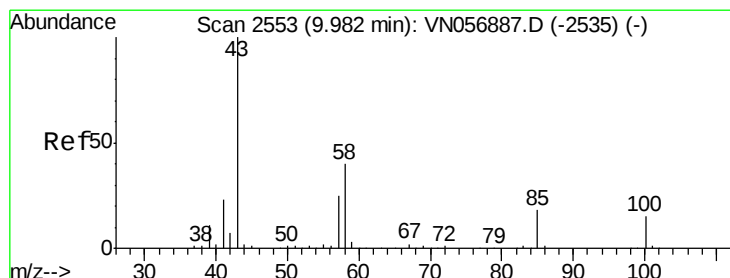
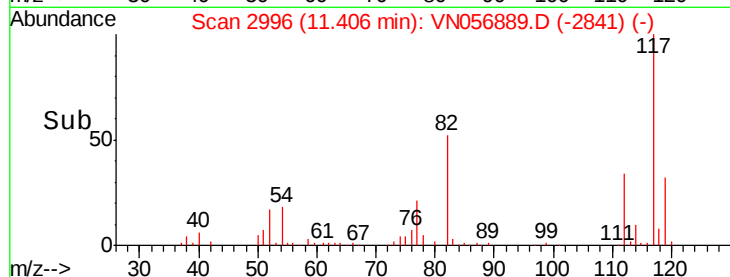
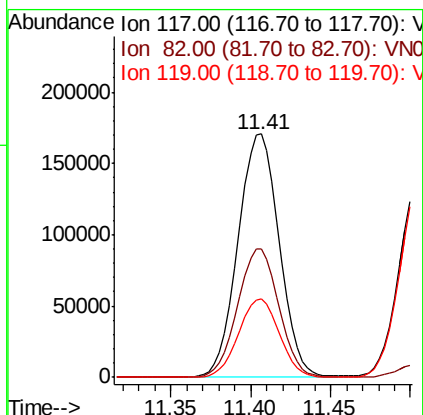
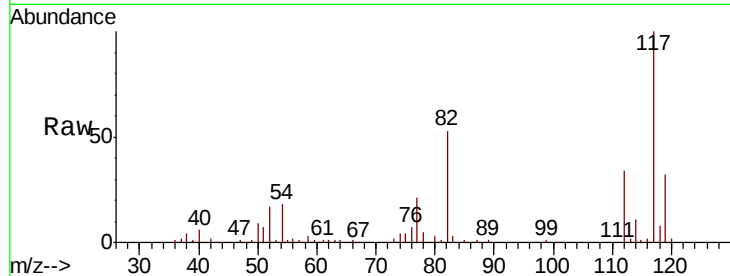




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

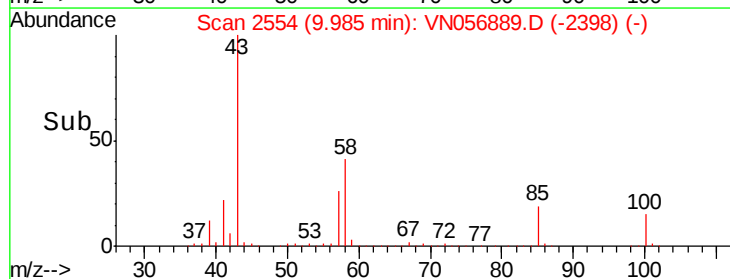
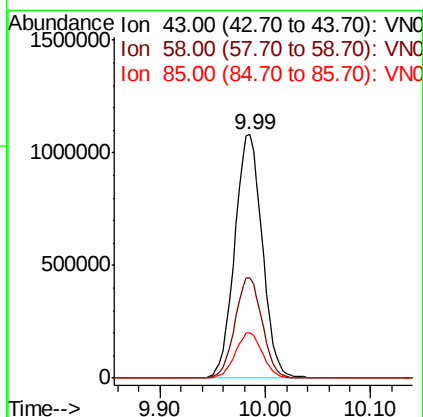
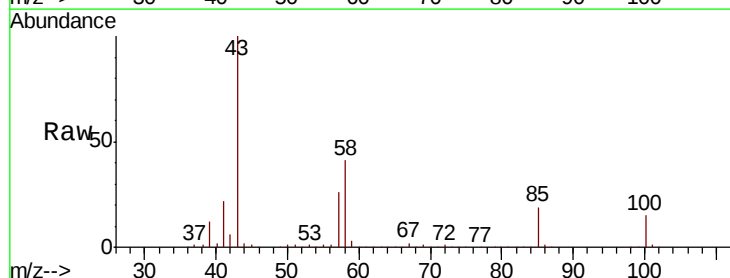
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

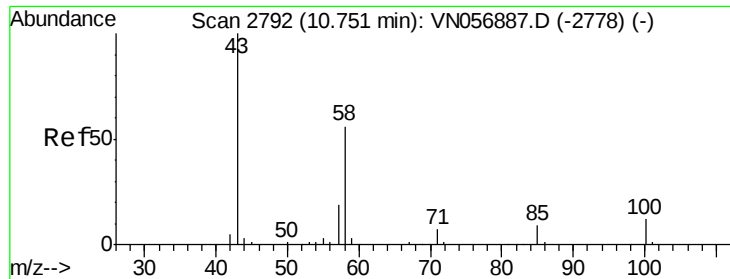
Tot Ion:117 Resp: 299821
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.8 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 366.622 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 43 Resp: 1953103
Ion Ratio Lower Upper
43 100
58 40.8 31.7 47.5
85 18.4 14.5 21.7

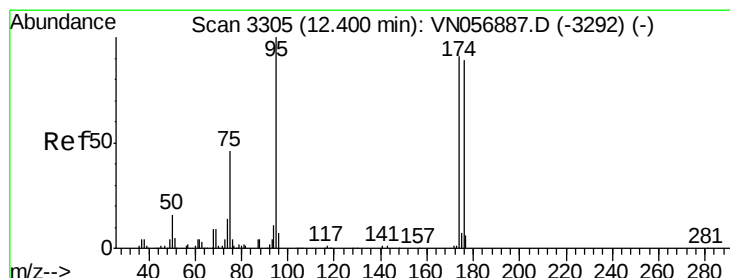
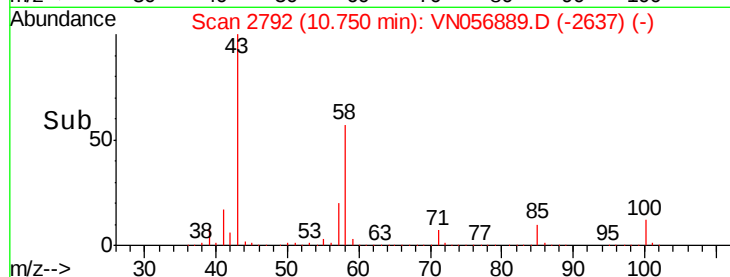
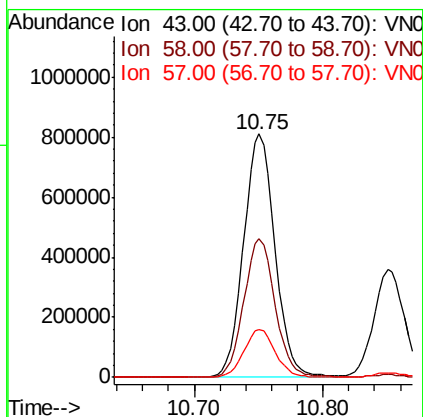
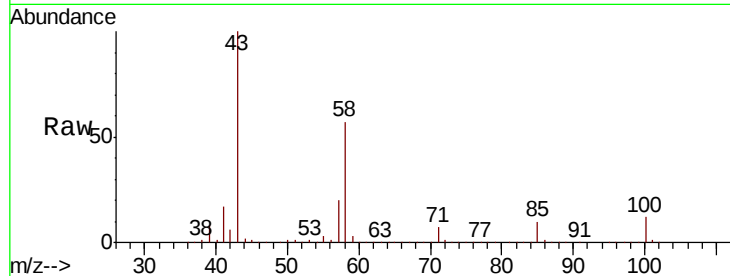




#59
2-Hexanone
Concen: 348.629 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

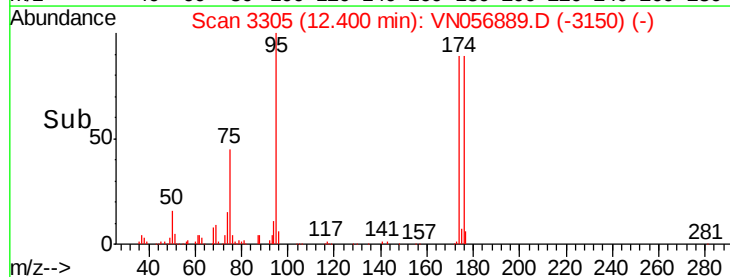
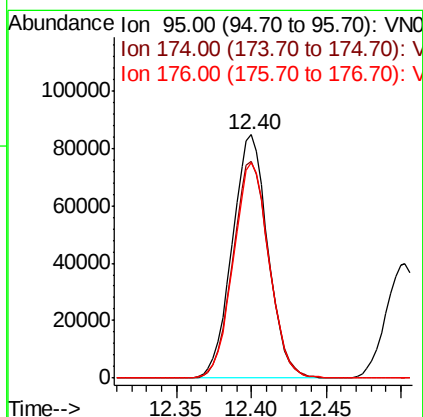
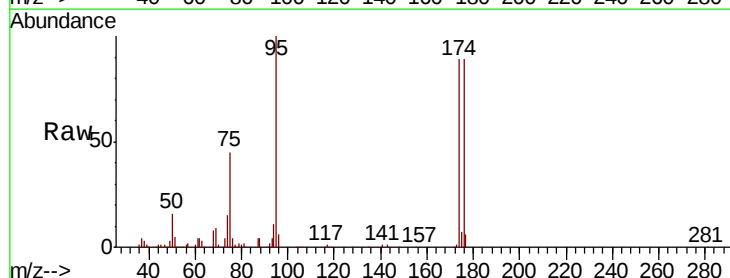
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

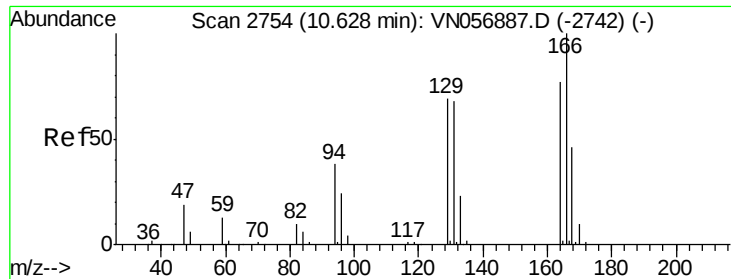
Tot Ion: 43 Resp: 1371342
Ion Ratio Lower Upper
43 100
58 57.0 45.0 67.4
57 19.8 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 30.894 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 95 Resp: 140703
Ion Ratio Lower Upper
95 100
174 90.3 71.9 107.9
176 88.8 69.8 104.8





#61

Tetrachloroethene

Concen: 92.552 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 395950

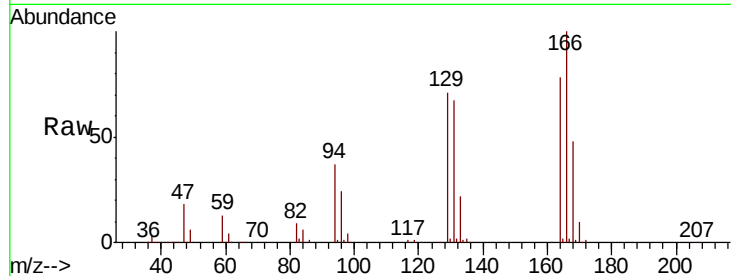
Ion Ratio Lower Upper

164 100

166 127.4 103.9 155.9

129 90.0 72.4 108.6

131 85.8 70.3 105.5

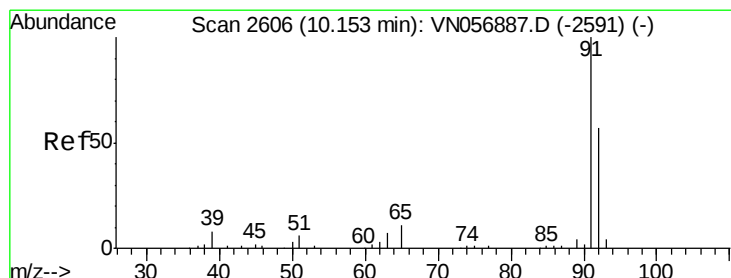
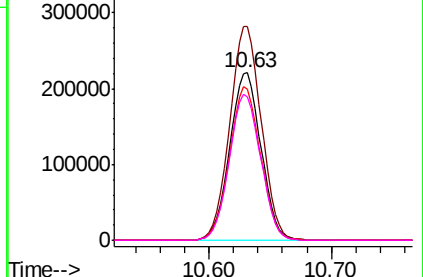
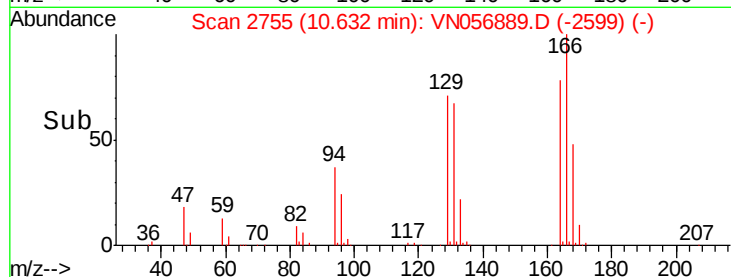


Abundance Ion 163.85 (163.55 to 164.55): V

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: 91.535 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056889.D

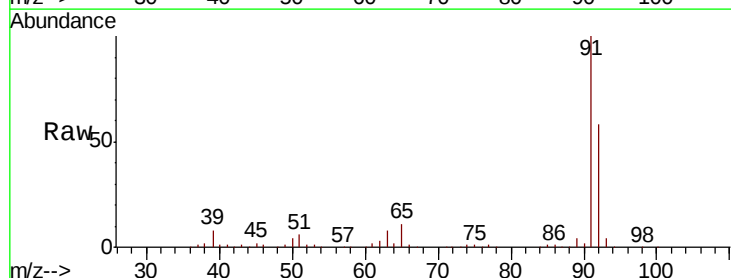
Acq: 23 Jul 2019 20:16

Tgt Ion: 91 Resp: 1578920

Ion Ratio Lower Upper

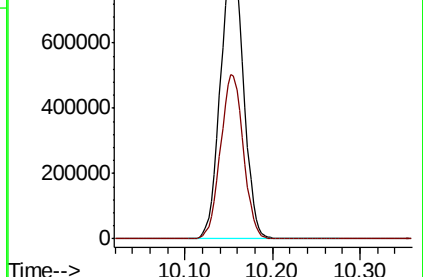
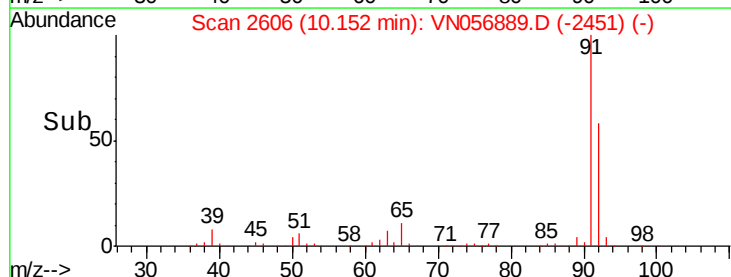
91 100

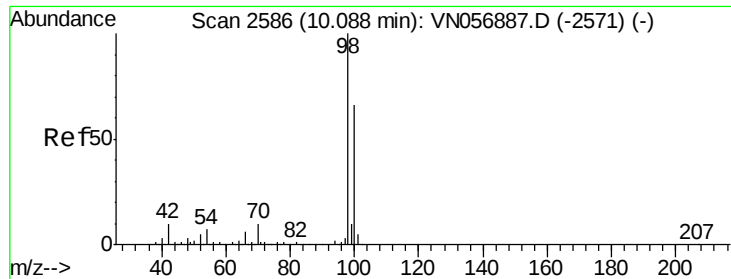
92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.815 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

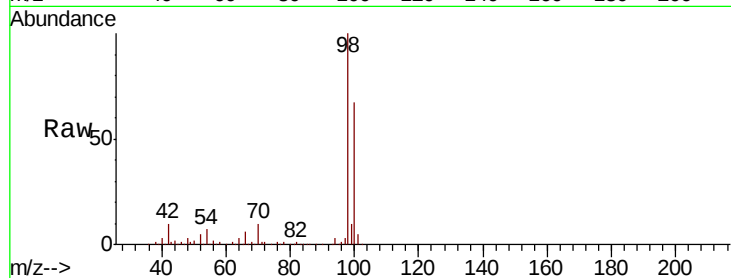
VSTDIC100

Tot Ion: 98 Resp: 411349

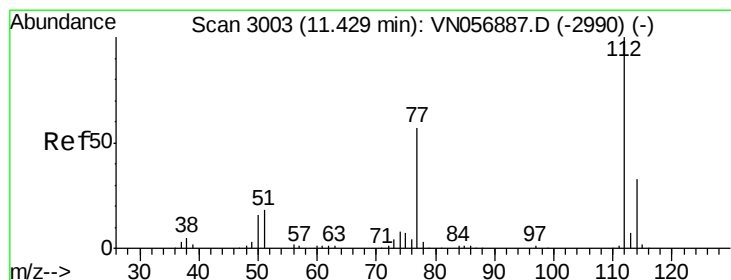
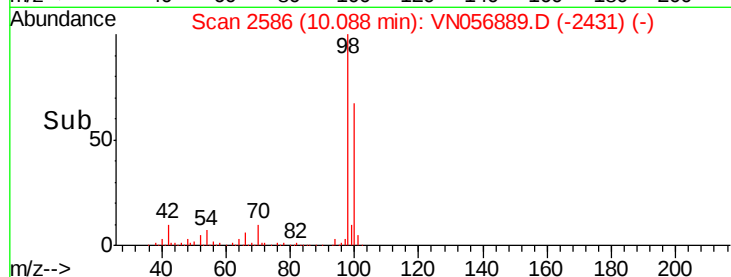
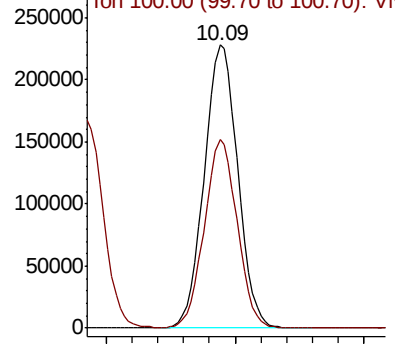
Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056887.D (-2571) (-)



#64

Chlorobenzene

Concen: 92.198 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN056889.D

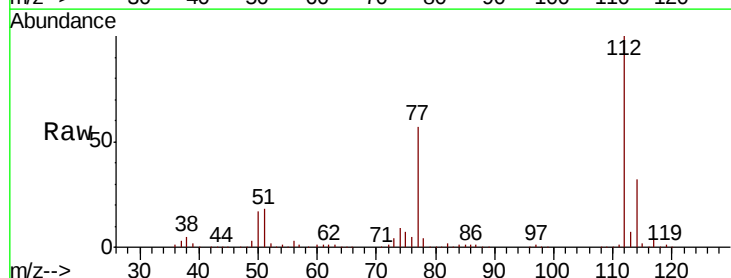
Acq: 23 Jul 2019 20:16

Tgt Ion: 112 Resp: 968904

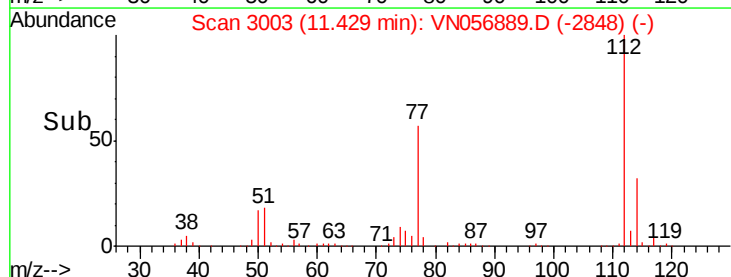
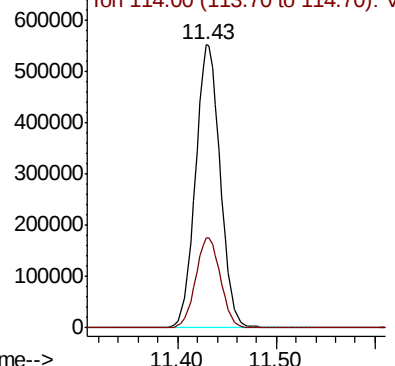
Ion Ratio Lower Upper

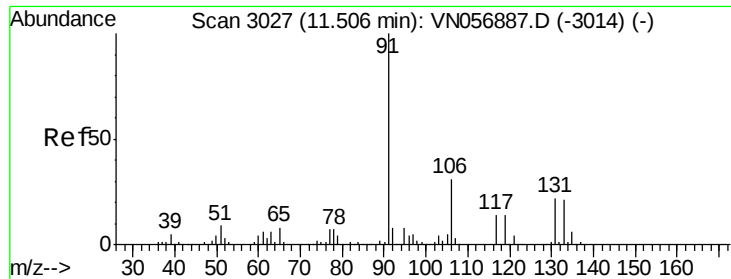
112 100

114 31.7 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): VN056887.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 93.522 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

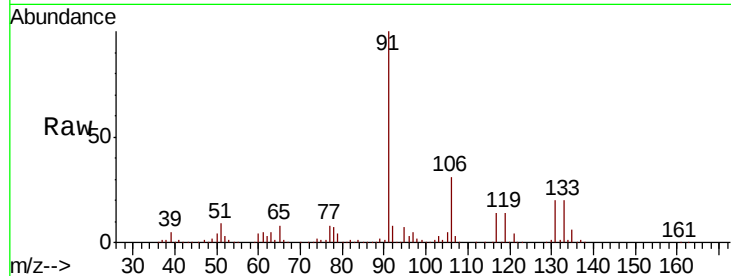
Tot Ion:131 Resp: 363485

Ion Ratio Lower Upper

131 100

133 95.9 0.0 189.6

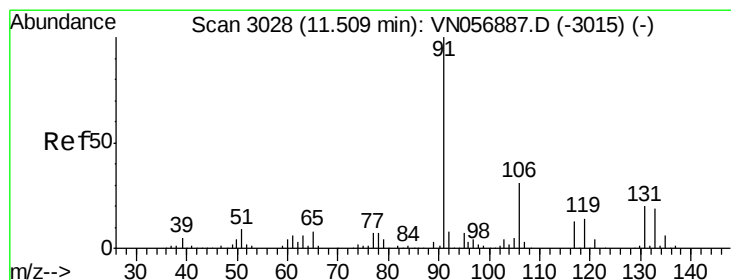
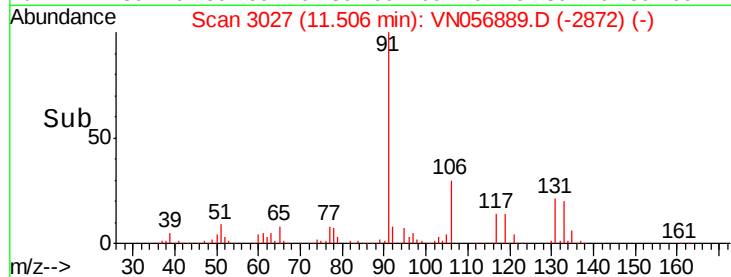
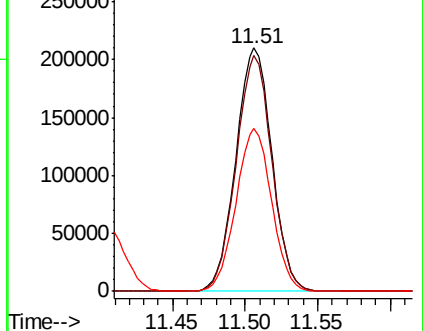
119 65.8 0.0 133.6



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: 93.290 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056889.D

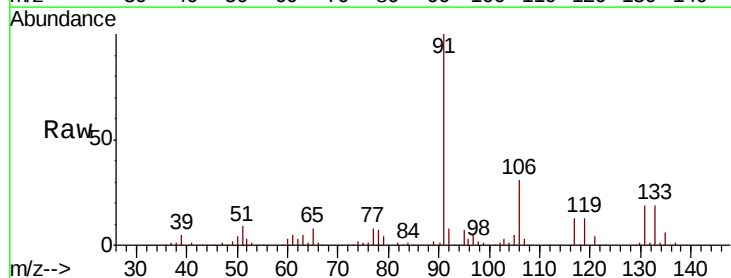
Acq: 23 Jul 2019 20:16

Tgt Ion: 91 Resp: 1728845

Ion Ratio Lower Upper

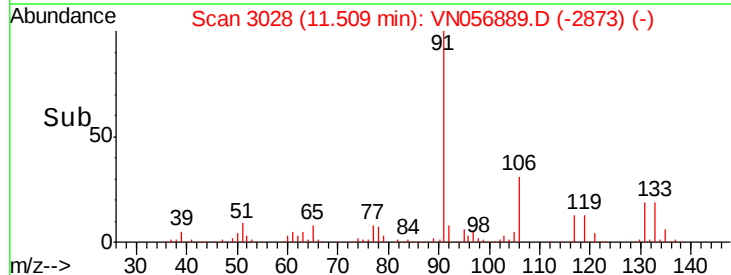
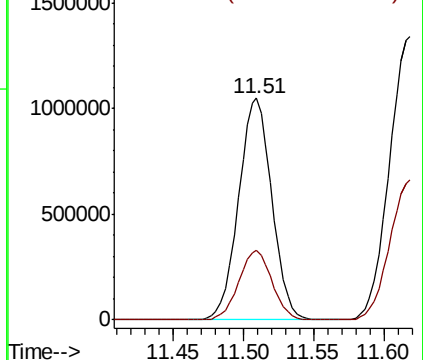
91 100

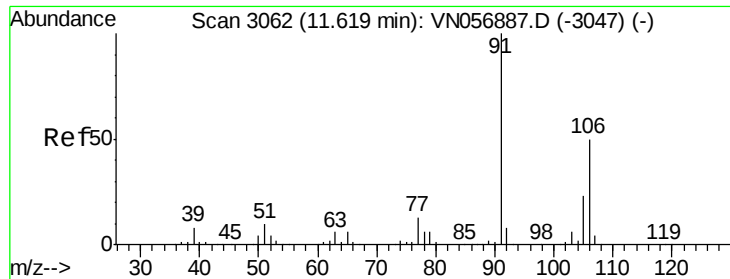
106 31.2 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 184.961 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

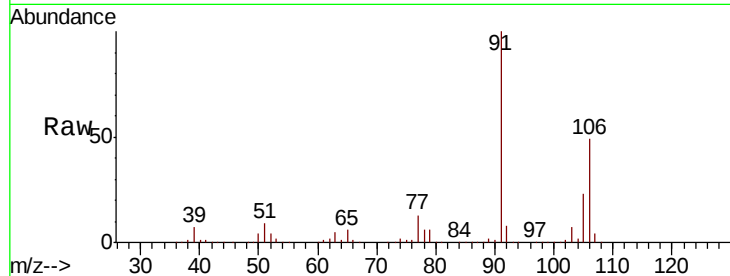
VSTDIC100

Tot Ion:106 Resp: 1289918

Ion Ratio Lower Upper

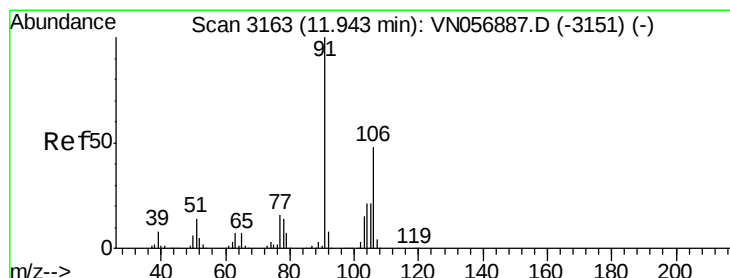
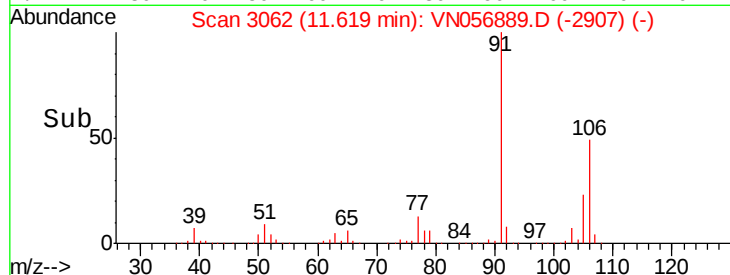
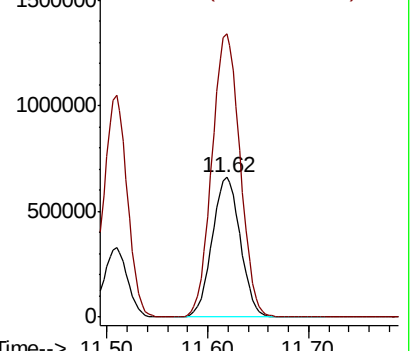
106 100

91 202.8 160.6 240.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 91.487 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056889.D

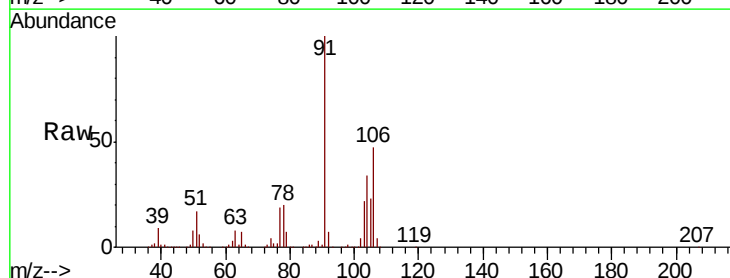
Acq: 23 Jul 2019 20:16

Tgt Ion:106 Resp: 626143

Ion Ratio Lower Upper

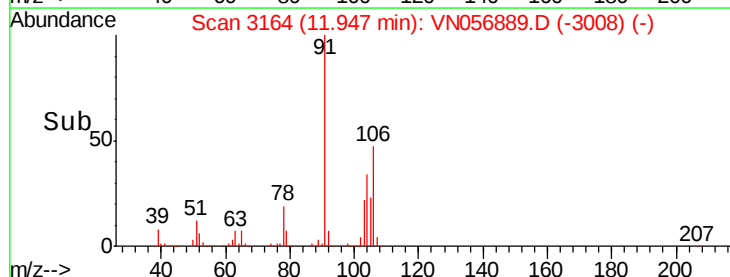
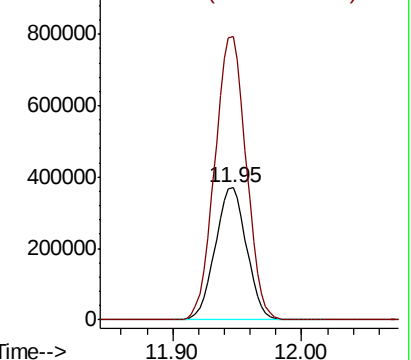
106 100

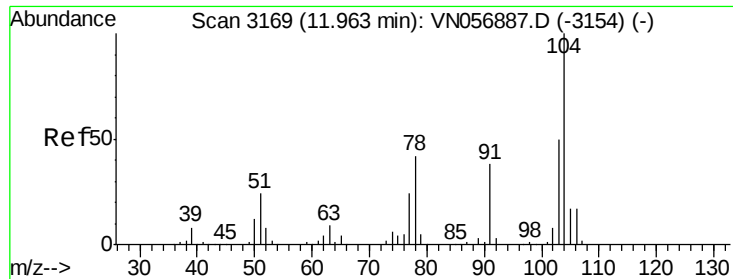
91 214.3 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

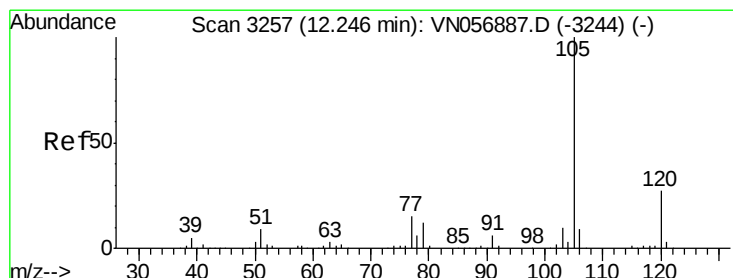
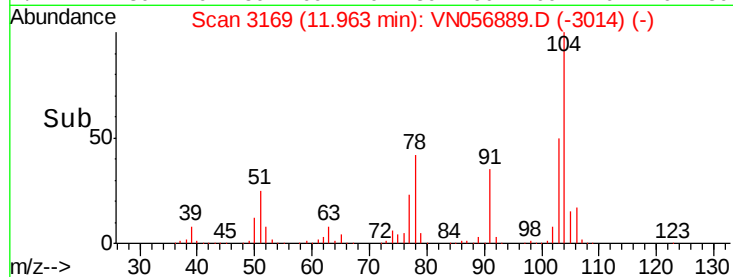
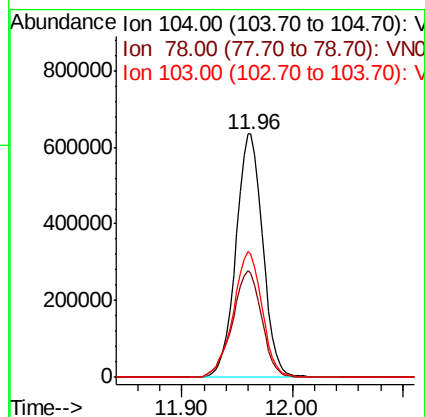
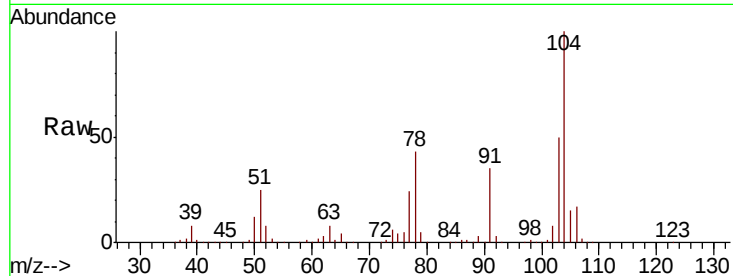




#69
Stvrene
Concen: 94.796 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

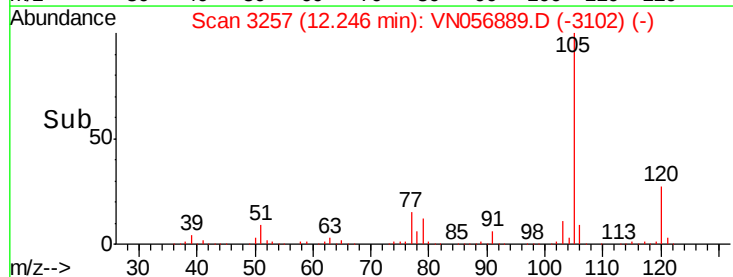
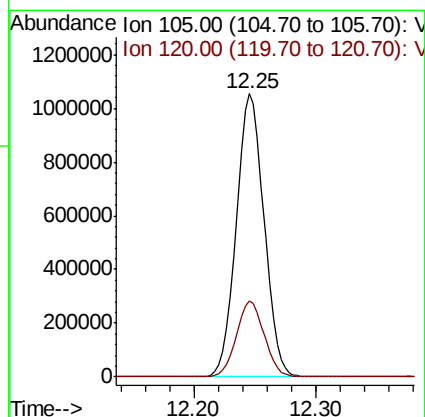
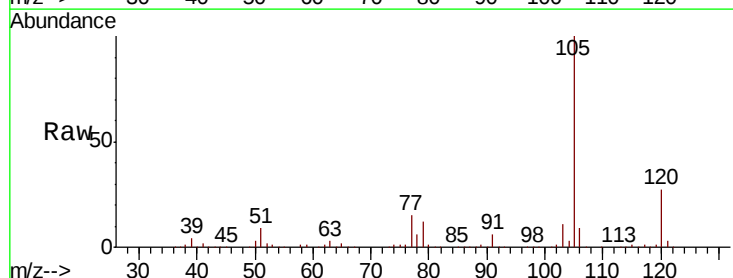
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

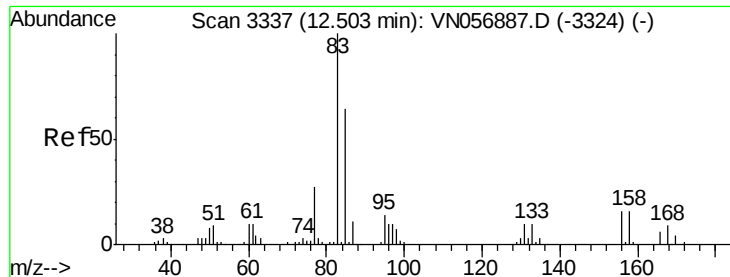
Tot Ion:104 Resp: 1068853
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.5 44.7 67.1



#70
Isopropylbenzene
Concen: 92.861 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion:105 Resp: 1662233
Ion Ratio Lower Upper
105 100
120 26.9 18.7 34.7

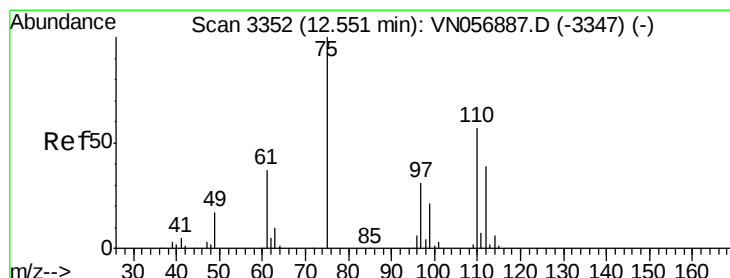
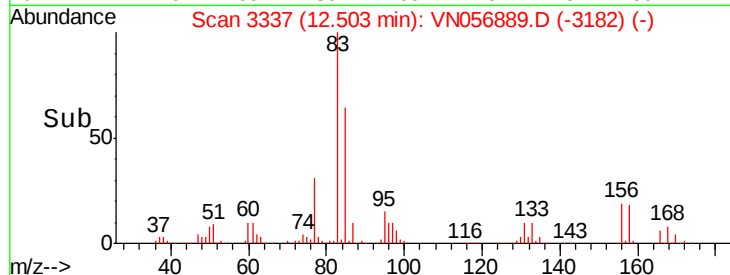
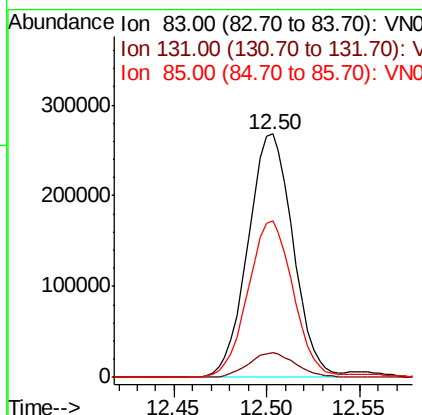
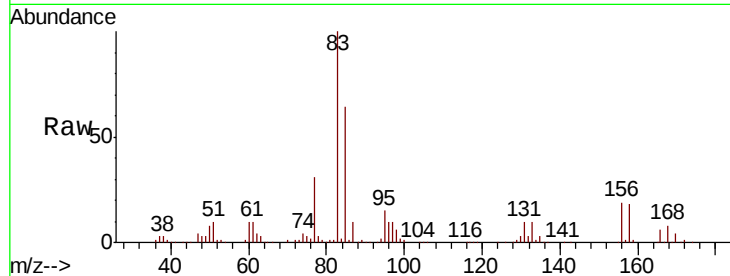




#71
 1,1,2,2-Tetrachloroethane
 Concen: 79.416 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

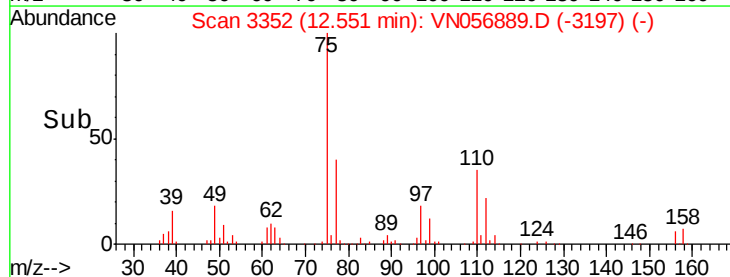
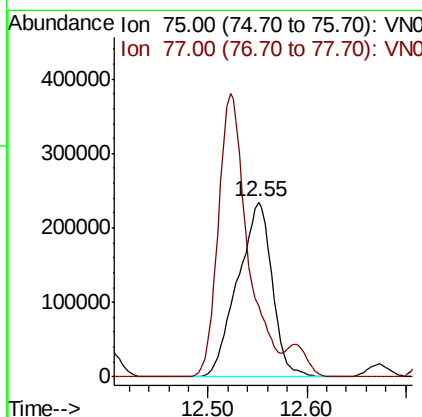
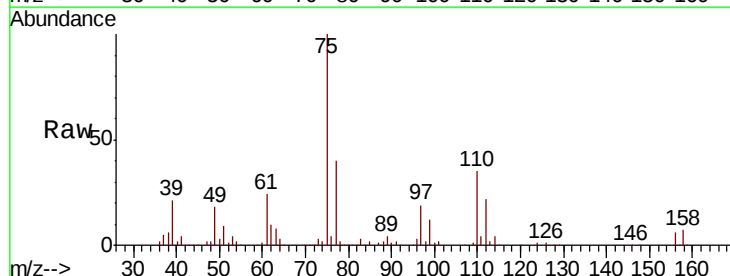
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

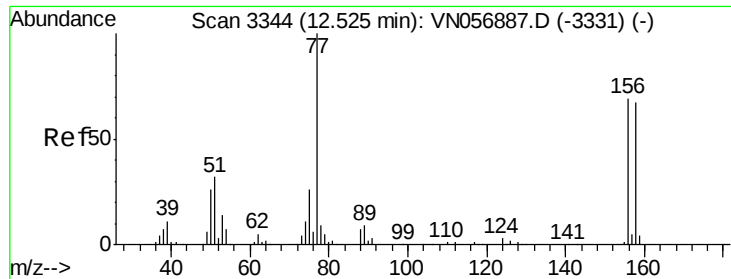
Tot Ion	83	Resp	453196
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.2
85	64.5	31.8	95.4



#72
 1,2,3-Trichloropropane
 Concen: 117.197 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion	75	Resp	568988
Ion Ratio	Lower	Upper	
75	100		
77	139.9	0.0	378.6

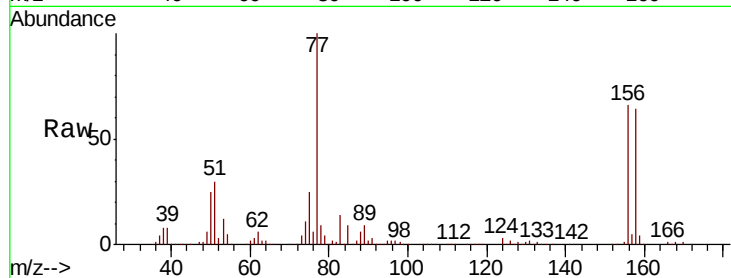




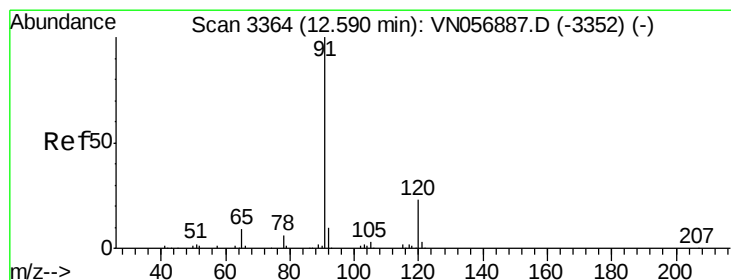
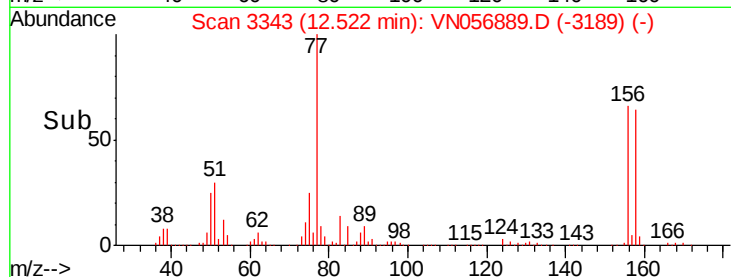
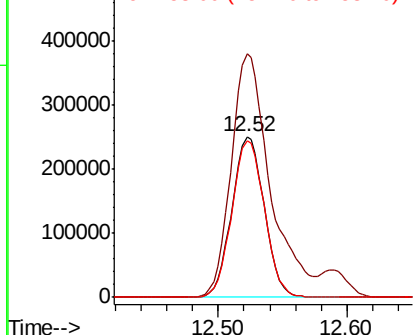
#73
Bromobenzene
Concen: 93.668 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:156 Resp: 436939
Ion Ratio Lower Upper
156 100
77 182.2 0.0 364.6
158 98.4 0.0 196.2

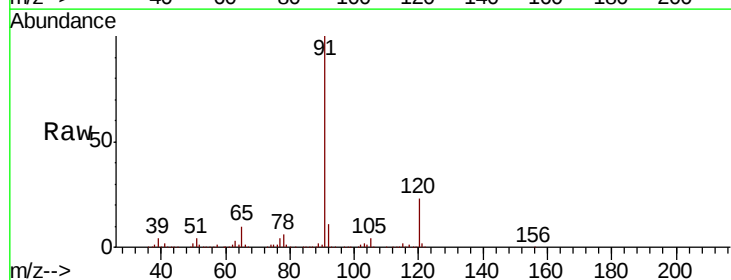


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

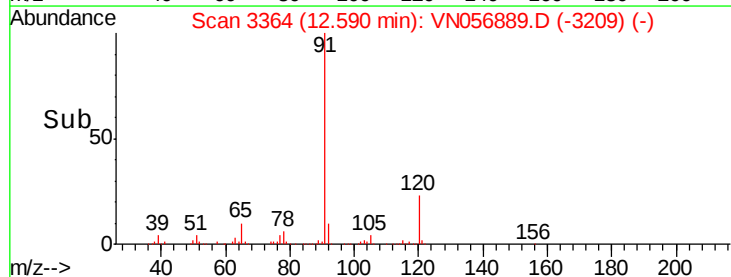
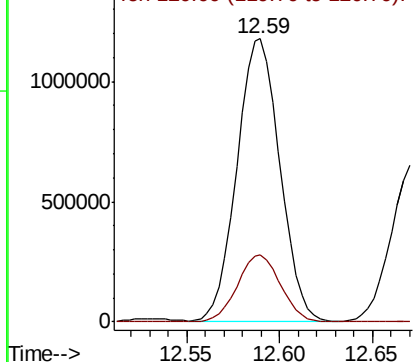


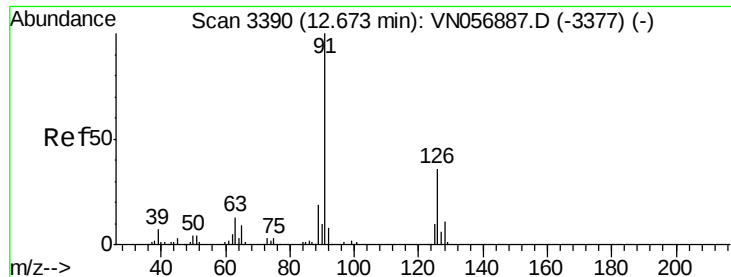
#74
n-propylbenzene
Concen: 95.158 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 91 Resp: 1897286
Ion Ratio Lower Upper
91 100
120 23.5 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: 91.858 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

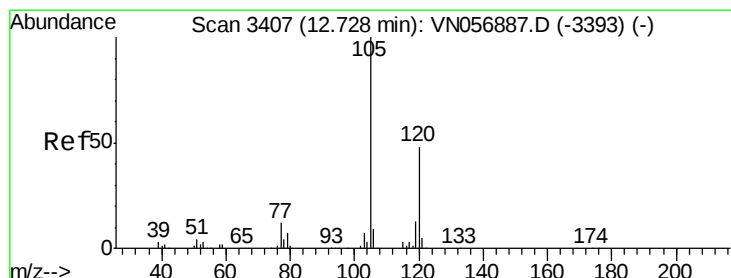
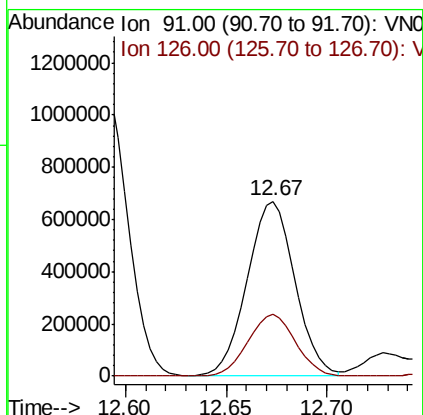
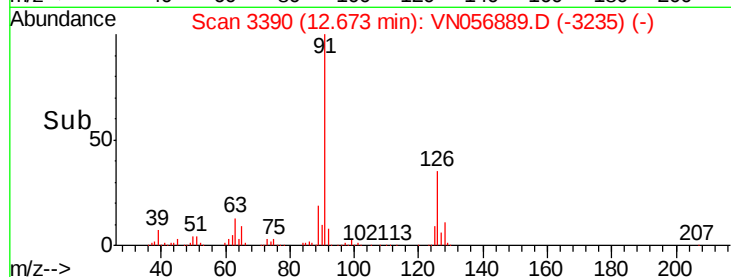
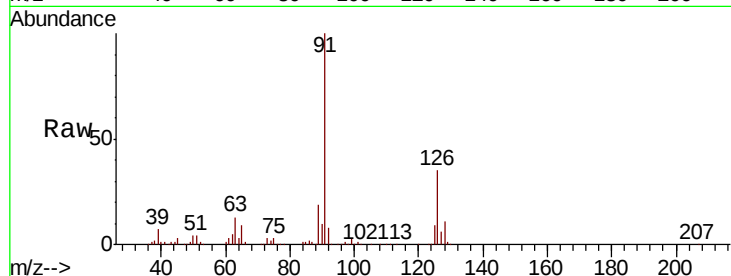
VSTDIC100

Tot Ion: 91 Resp: 1111012

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 92.431 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056889.D

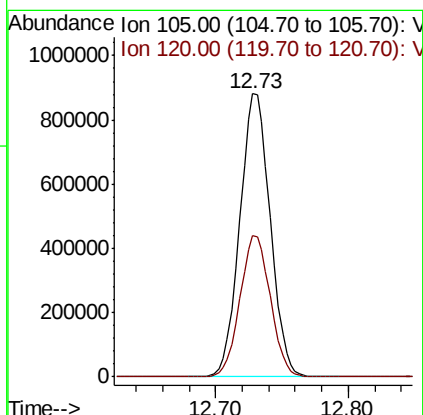
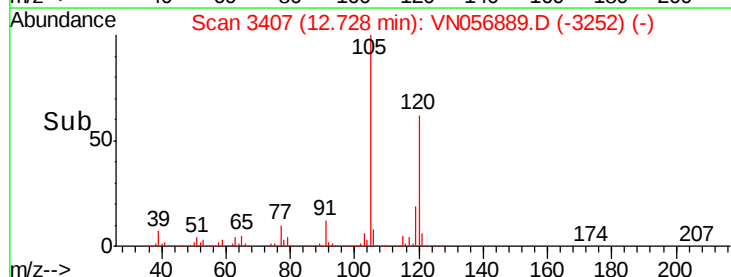
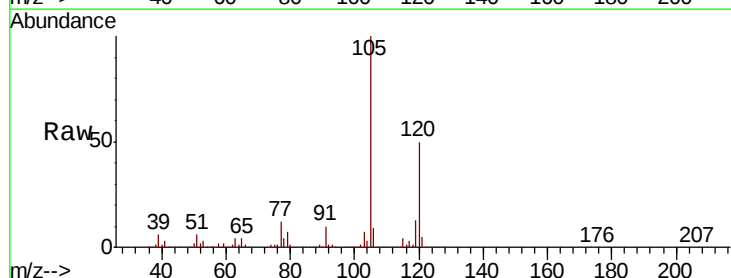
Acq: 23 Jul 2019 20:16

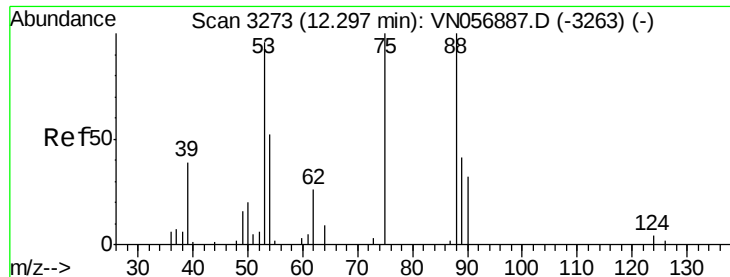
Tgt Ion: 105 Resp: 1401846

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 87.457 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

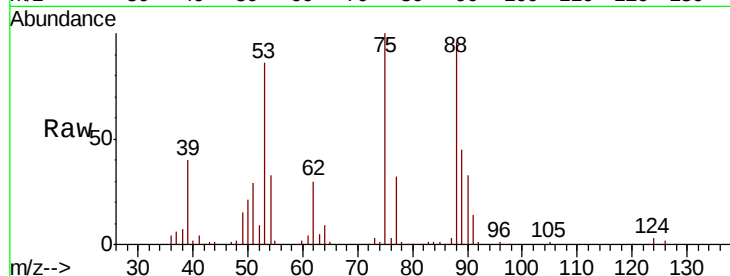
Tot Ion: 75 Resp: 141135

Ion Ratio Lower Upper

75 100

53 86.4 48.0 144.0

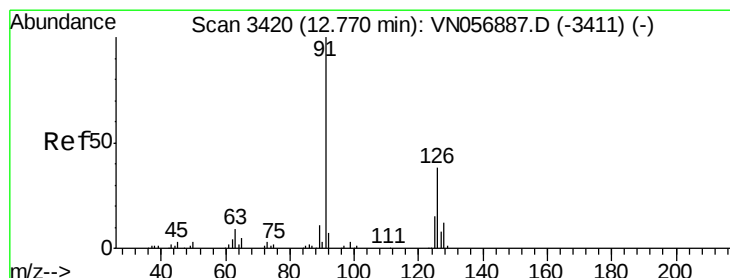
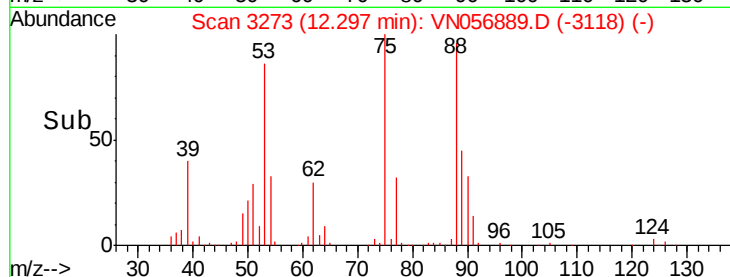
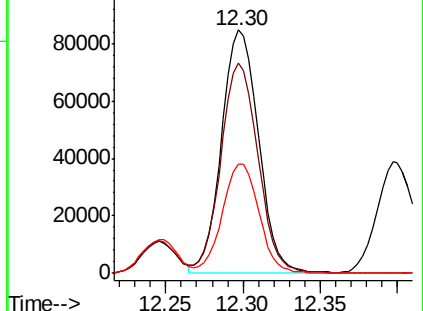
89 45.2 21.4 64.3



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: 95.525 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056889.D

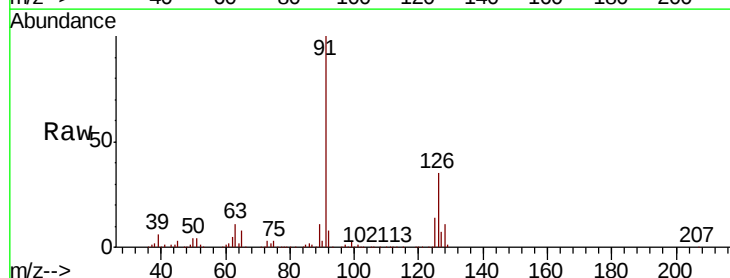
Acq: 23 Jul 2019 20:16

Tgt Ion: 91 Resp: 1114255

Ion Ratio Lower Upper

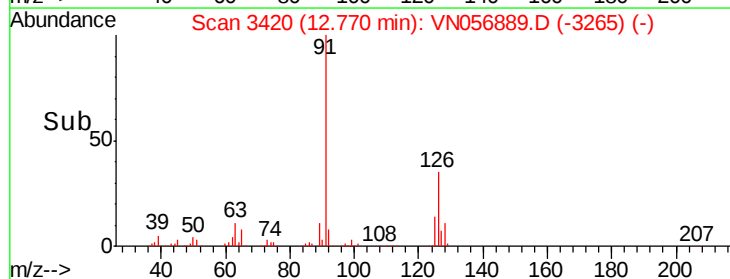
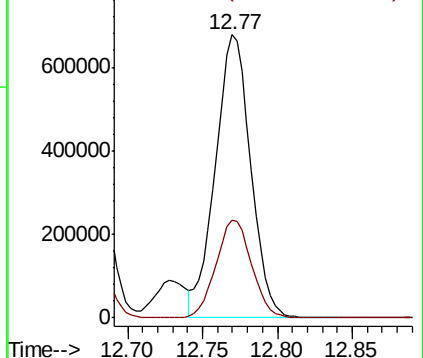
91 100

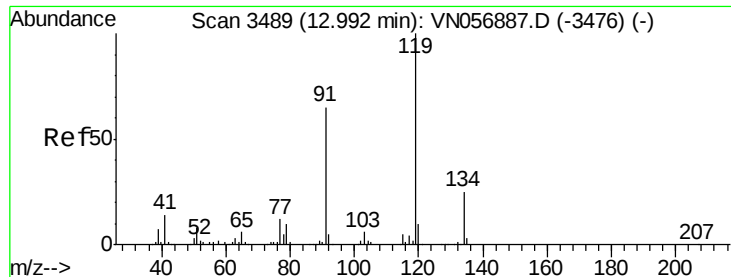
126 34.7 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

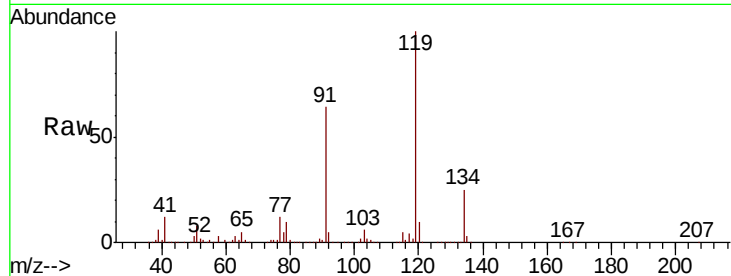




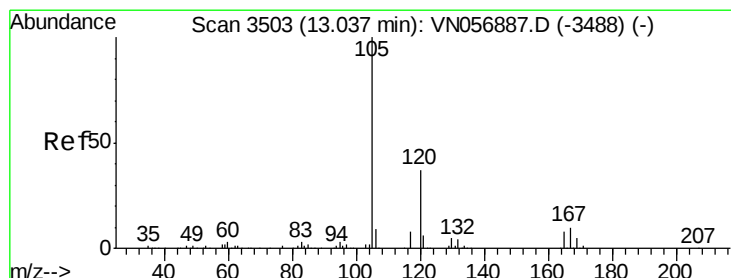
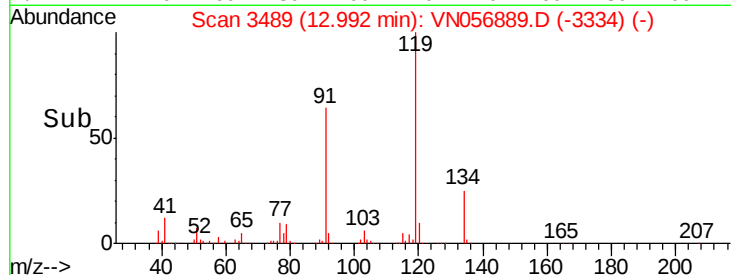
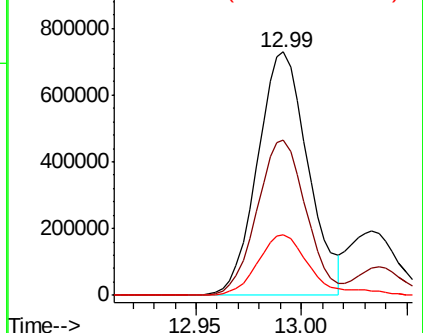
#79
tert-butylbenzene
Concen: 93.684 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1214265
Ion Ratio Lower Upper
119 100
91 62.5 0.0 126.8
134 24.6 0.0 48.8

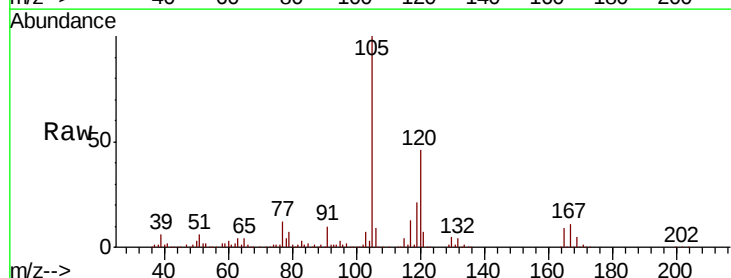


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

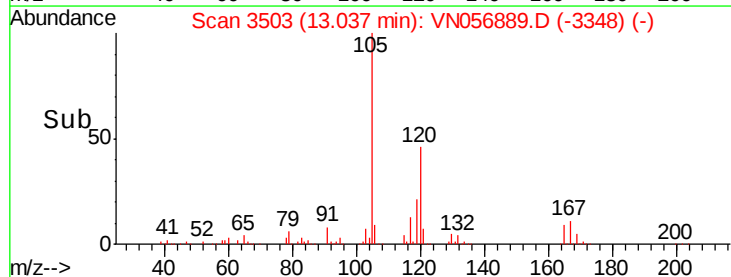
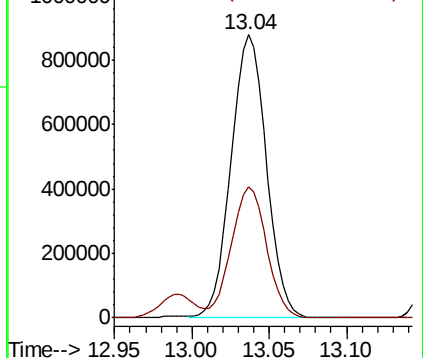


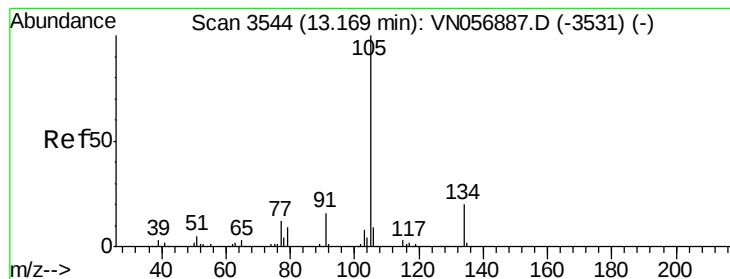
#80
1,2,4-Trimethylbenzene
Concen: 92.272 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion:105 Resp: 1390229
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: 94.152 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

Instrument :

MSVOA_N

ClientSampleId :

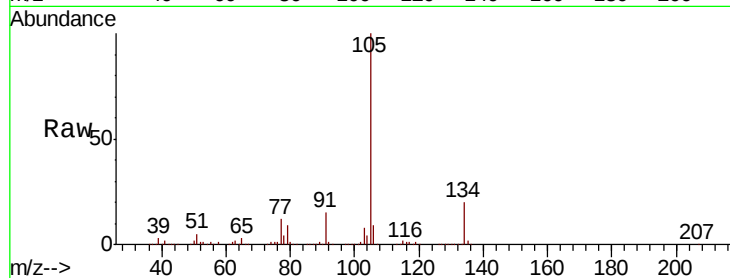
VSTDIC100

Tot Ion:105 Resp: 1607828

Ion Ratio Lower Upper

105 100

134 20.7 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

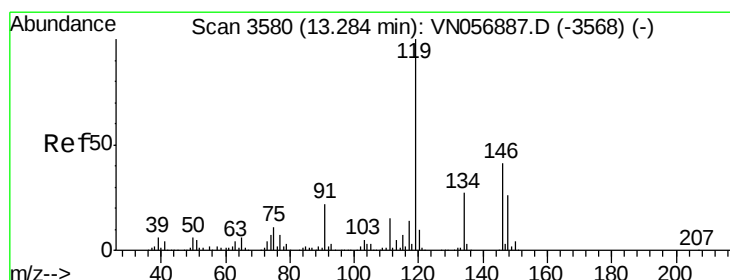
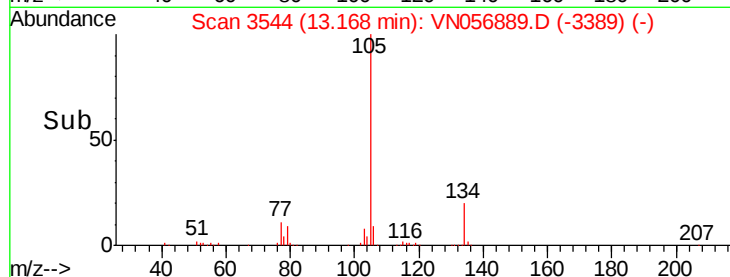
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 94.973 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056889.D

Acq: 23 Jul 2019 20:16

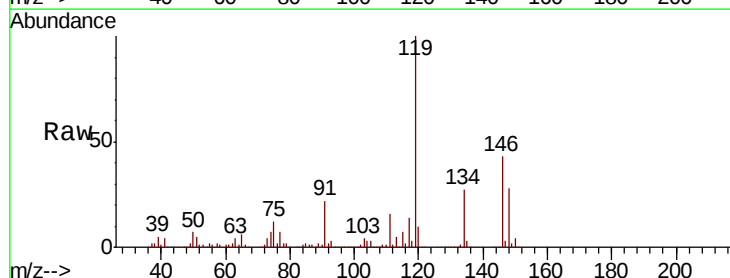
Tgt Ion:119 Resp: 1470194

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.3 0.0 44.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

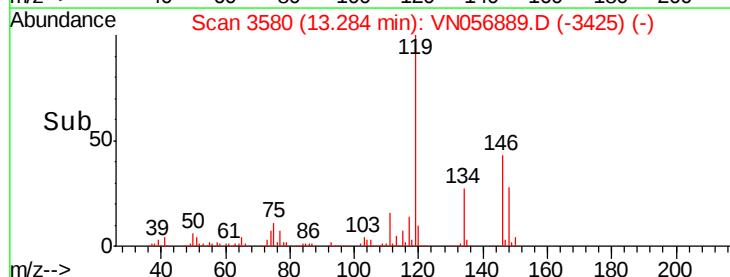
400000

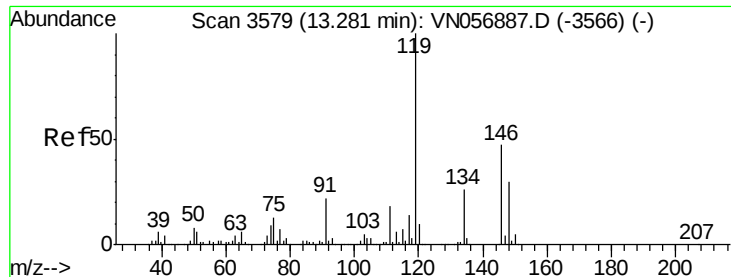
200000

0

13.20 13.25 13.30 13.35

Time-->

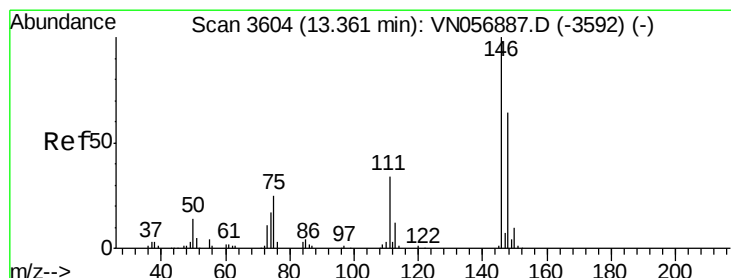
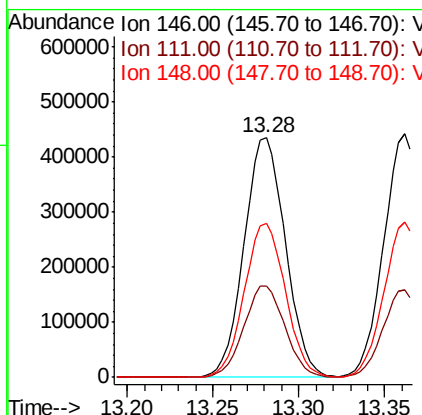
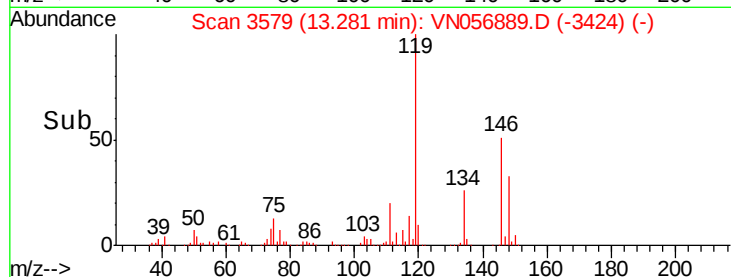
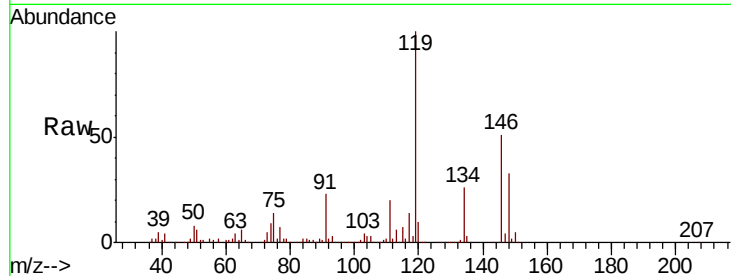




#83
 1,3-Dichlorobenzene
 Concen: 94.961 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

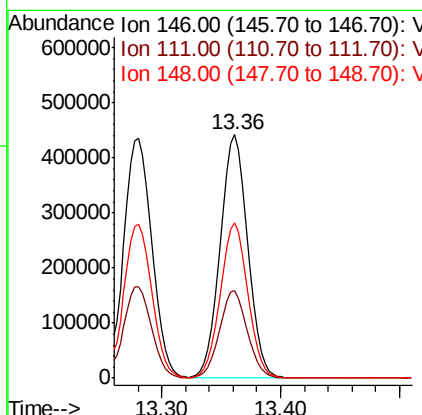
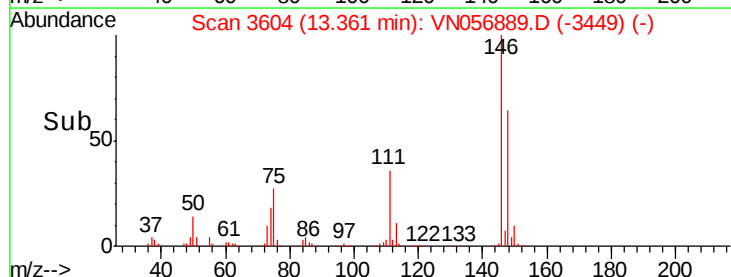
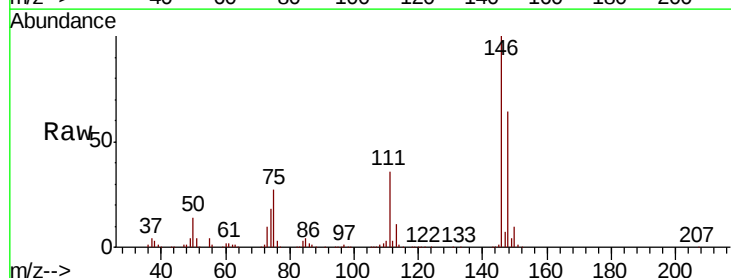
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

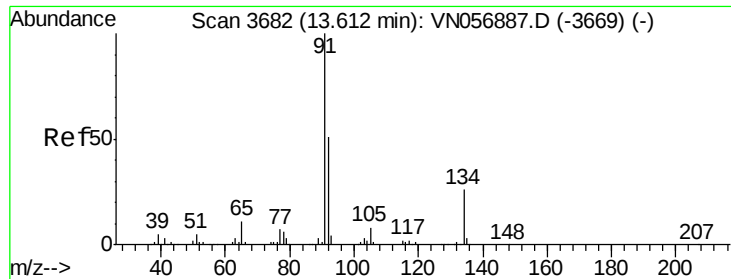
Tot Ion:146 Resp: 729265
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 63.8 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 96.754 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion:146 Resp: 708858
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.8 53.5
 148 63.6 32.6 97.7

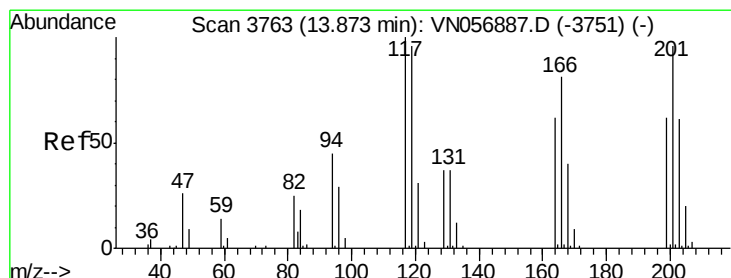
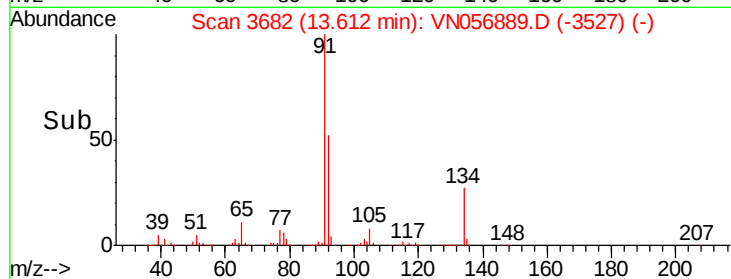
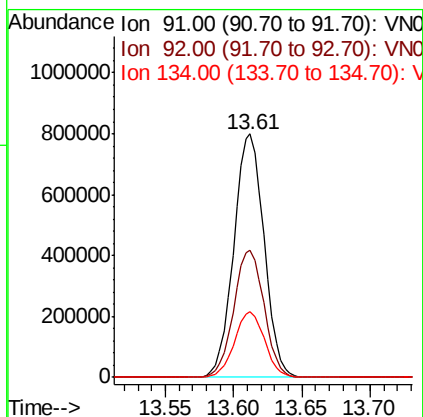
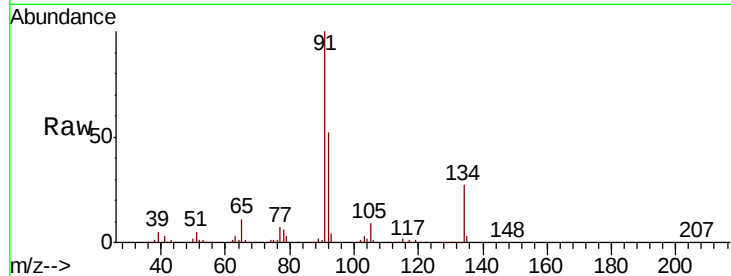




#85
n-Butylbenzene
Concen: 97.252 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

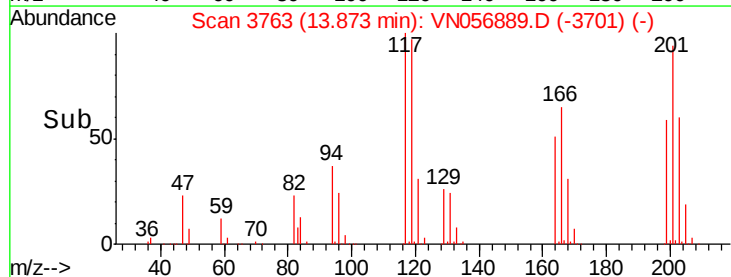
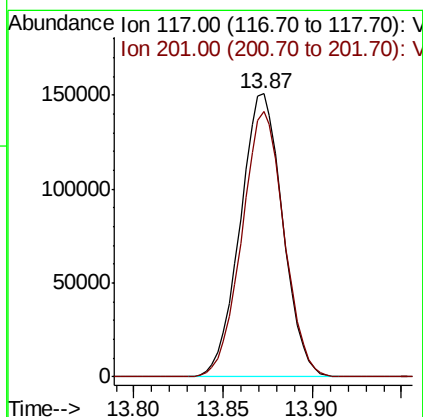
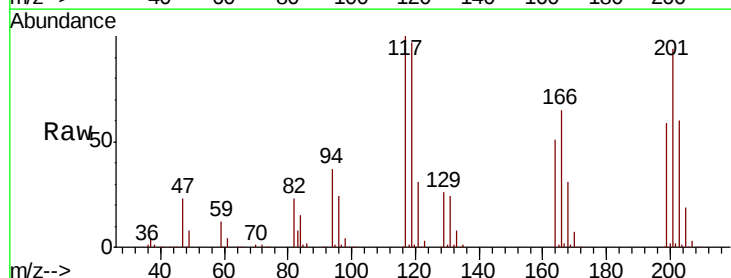
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

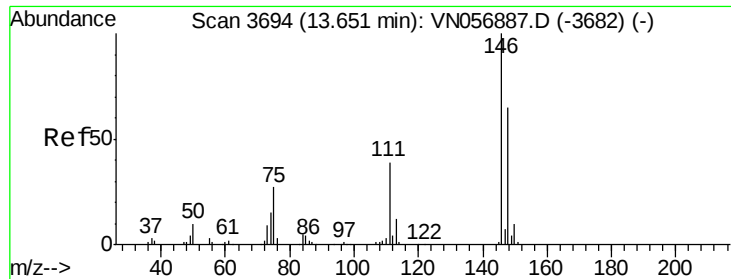
Tot Ion: 91 Resp: 1229896
Ion Ratio Lower Upper
91 100
92 52.2 0.0 101.8
134 26.8 0.0 52.4



#86
Hexachloroethane
Concen: 101.496 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion: 117 Resp: 250917
Ion Ratio Lower Upper
117 100
201 92.8 47.8 143.3

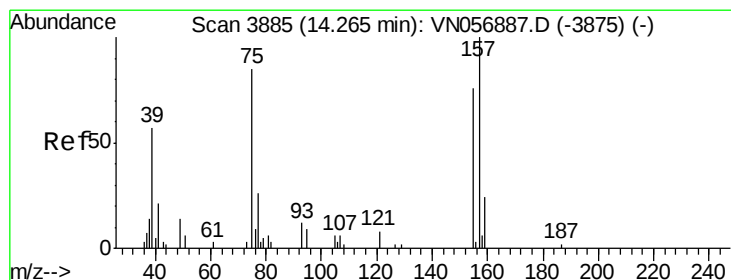
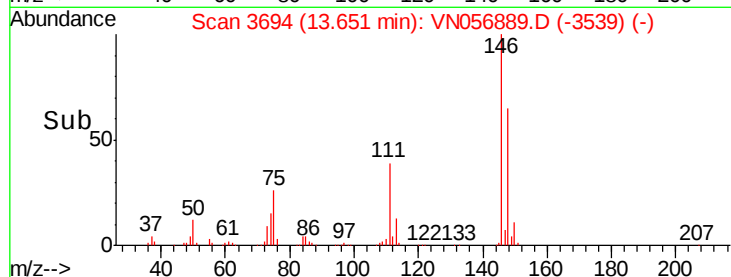
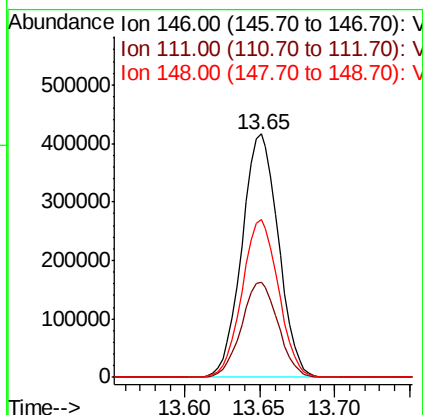
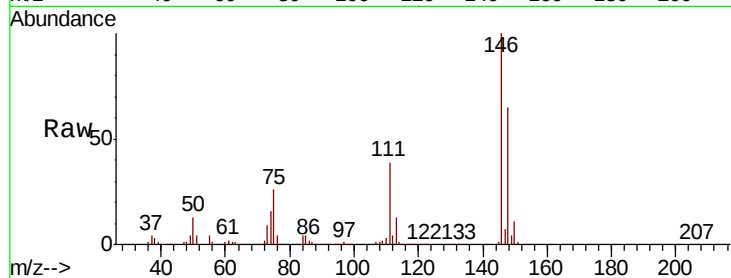




#87
 1,2-Dichlorobenzene
 Concen: 91.225 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

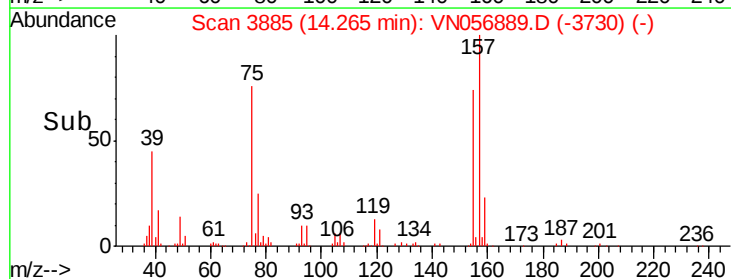
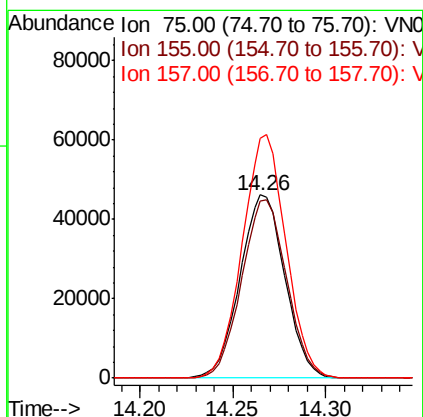
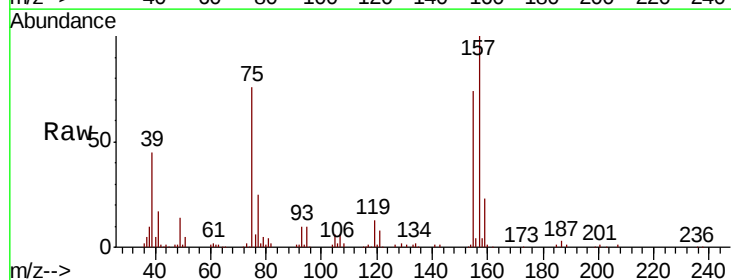
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

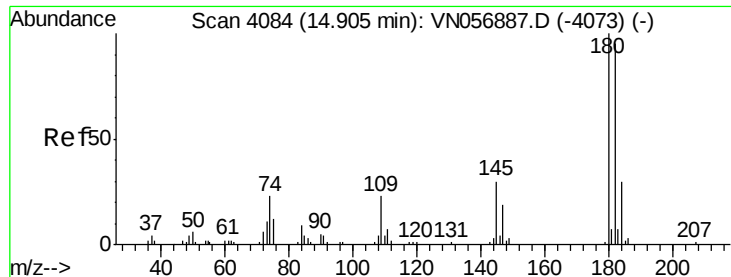
Tot Ion:146 Resp: 706411
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 64.6 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 79.830 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion: 75 Resp: 77691
 Ion Ratio Lower Upper
 75 100
 155 97.1 73.4 110.2
 157 129.0 95.0 142.6

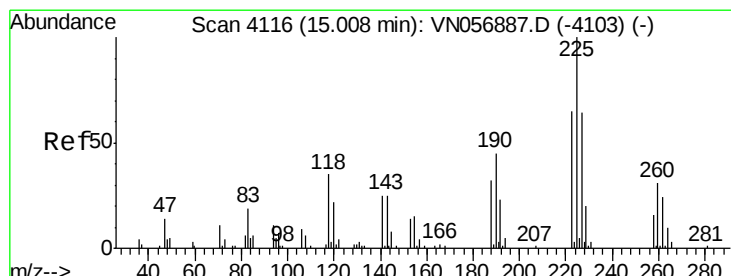
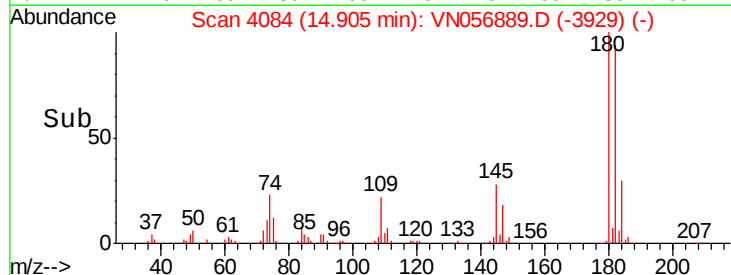
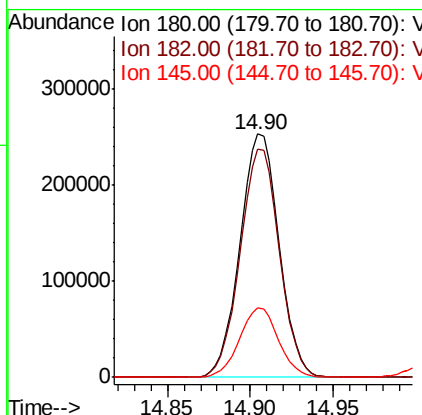
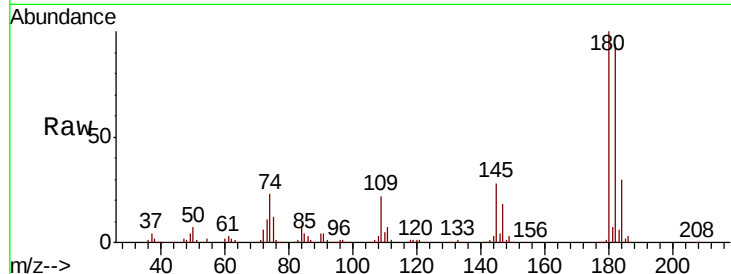




#89
 1,2,4-Trichlorobenzene
 Concen: 102.234 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

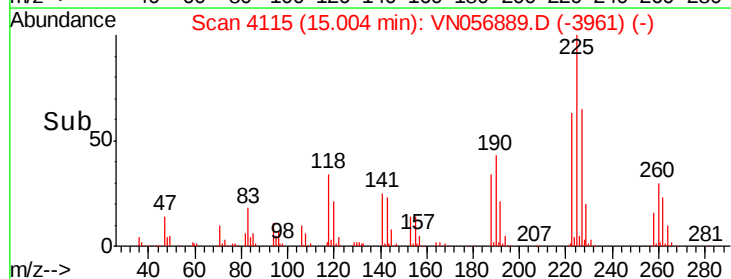
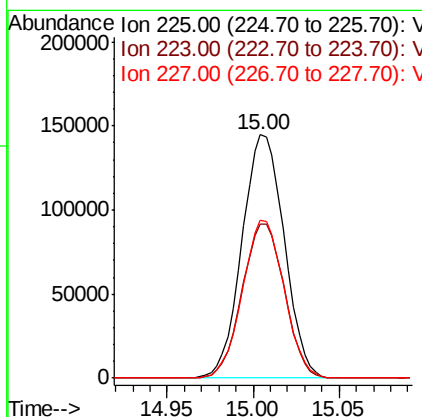
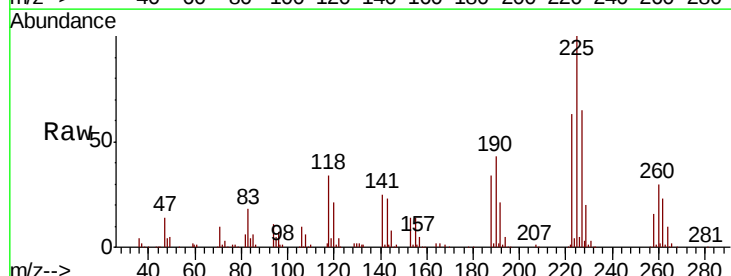
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

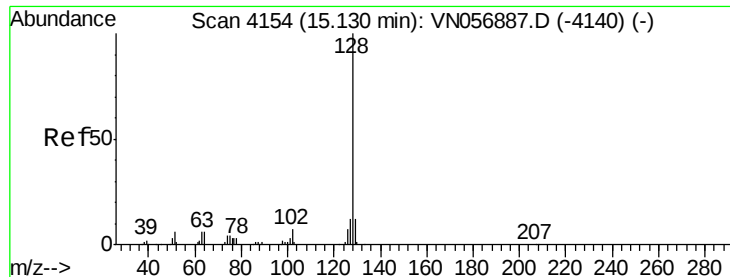
Tot Ion:180 Resp: 413762
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.4
 145 28.4 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 90.975 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056889.D
 Acq: 23 Jul 2019 20:16

Tgt Ion:225 Resp: 246855
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 130.0
 227 63.8 0.0 127.2

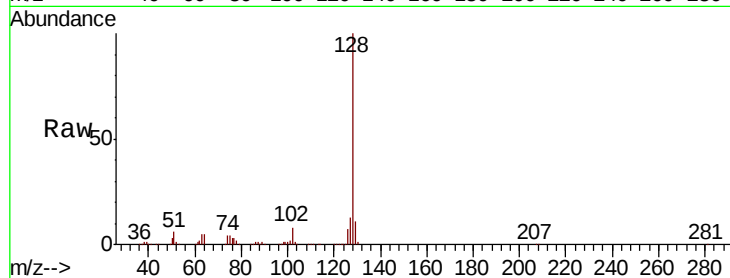




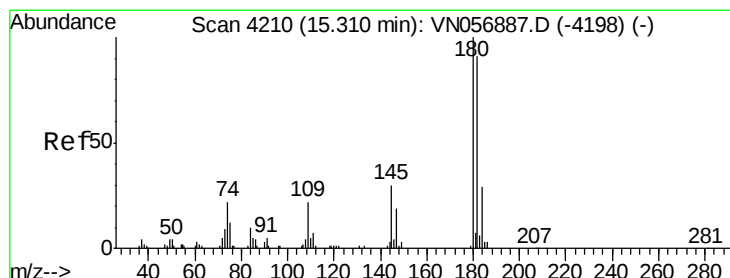
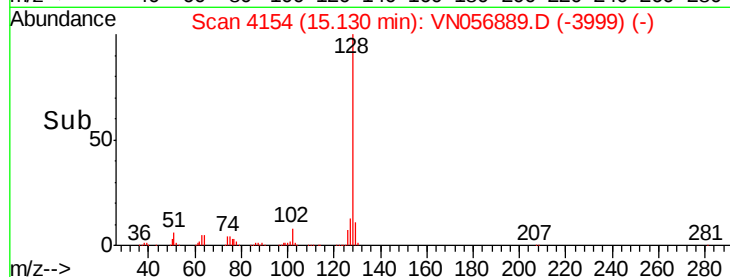
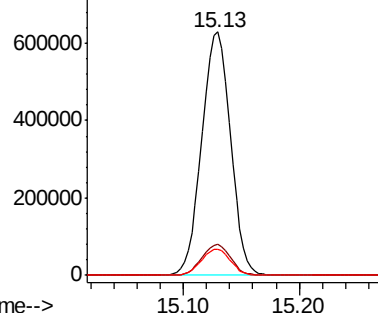
#91
Naphthalene
Concen: 98.176 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1076007
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.9 8.9 13.3

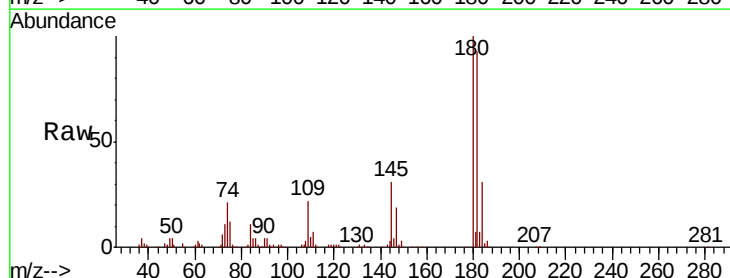


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 98.764 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056889.D
Acq: 23 Jul 2019 20:16

Tgt Ion:180 Resp: 424151
Ion Ratio Lower Upper
180 100
182 95.3 0.0 188.0
145 30.3 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

