

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055253.D
 Acq On : 25 Apr 2019 19:15
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 26 04:38:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69956	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	387581	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345555	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164912	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.40	95	164659	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.09	98	476671	29.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	358859	89.372	ug/l 97
3) Chloromethane	2.06	50	497361	90.536	ug/l 94
4) Vinyl Chloride	2.18	62	411522	87.295	ug/l 99
5) Bromomethane	2.55	94	218260	80.204	ug/l 100
6) Chloroethane	2.69	64	226521	85.958	ug/l 99
7) Trichlorofluoromethane	3.01	101	604022	98.182	ug/l 95
8) Diethyl Ether	3.41	74	256995	123.798	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389640	111.945	ug/l 99
10) 1,1-Dichloroethene	3.73	96	363719	112.656	ug/l 100
11) Methyl Iodide	3.95	142	587375	118.961	ug/l 98
12) Methyl Acetate	4.33	43	532275	127.139	ug/l 96
13) Acrolein	3.61	56	111378	353.276	ug/l 94
14) Acrylonitrile	4.99	53	976388	586.554	ug/l 100
15) Acetone	3.82	58	225140	566.985	ug/l 98
16) Carbon Disulfide	4.05	76	1013602	97.399	ug/l 98
17) Allyl chloride	4.32	41	817309	106.331	ug/l 99
18) Methylene Chloride	4.55	84	439487	94.799	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	390644	96.102	ug/l 95
20) Diisopropyl ether	5.96	45	1619623	102.243	ug/l 99
21) 1,1-Dichloroethane	5.85	63	832075	99.418	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	460347	97.952	ug/l 97
23) tert-Butyl Alcohol	4.79	59	201192	721.637	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1211039	111.780	ug/l 100
25) Chloroform	7.37	83	788942	98.898	ug/l 98
26) Cyclohexane	7.65	56	730843	95.883	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	595485	97.866	ug/l 99
30) 2-Butanone	6.84	43	1231408	581.248	ug/l 100
31) 2,2-Dichloropropane	6.83	77	557818	98.361	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	654658	100.283	ug/l 100
33) Carbon Tetrachloride	7.78	117	553134	98.861	ug/l 98
34) Benzene	8.04	78	1766181	97.416	ug/l # 90
35) Methacrylonitrile	7.17	41	272640	106.814	ug/l 98
36) 1,2-Dichloroethane	8.13	62	616040	98.493	ug/l 100
37) Trichloroethene	8.84	130	437183	95.159	ug/l 97
38) Methylcyclohexane	9.08	83	636754	91.903	ug/l 97
39) 1,2-Dichloropropane	9.12	63	501230	99.093	ug/l 99
40) Dibromomethane	9.21	93	286703	99.716	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	603185	102.298	ug/l	95
42) Vinyl Acetate	5.90	43	5914068	557.185	ug/l	99
43) Ethyl Acetate	6.93	43	512440	115.549	ug/l	94
44) Isopropyl Acetate	8.17	43	920287	120.662	ug/l	95
45) 1,4-Dioxane	9.20	88	100627	2441.729	ug/l	98
46) Methyl methacrylate	9.20	41	455855	118.302	ug/l	99
47) n-amyl Acetate	12.07	43	737204	134.859	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	630269	113.722	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	710767	105.800	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	396861	101.357	ug/l	98
51) Ethyl methacrylate	10.43	69	571762	119.151	ug/l	99
52) 1,3-Dichloropropane	10.71	76	709475	103.658	ug/l	99
53) Dibromochloromethane	10.90	129	436898	108.338	ug/l	99
54) 1,2-Dibromoethane	11.01	107	395209	106.677	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	959017	517.970	ug/l	99
56) Bromoform	12.13	173	293057	113.508	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	2642806	610.142	ug/l	99
59) 2-Hexanone	10.75	43	1696572	620.679	ug/l	98
61) Tetrachloroethene	10.63	164	410390	90.469	ug/l	98
62) Toluene	10.16	91	1822994	94.715	ug/l	97
64) Chlorobenzene	11.43	112	1121881	97.111	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	414006	99.363	ug/l	98
66) Ethyl Benzene	11.51	91	2008267	97.650	ug/l	100
67) m/p-Xylenes	11.62	106	1476846	193.572	ug/l	98
68) o-Xylene	11.95	106	734470	96.698	ug/l	95
69) Styrene	11.96	104	1180768	100.889	ug/l	100
70) Isopropylbenzene	12.25	105	1940950	96.258	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	530454	110.569	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	657569	166.204	ug/l	62
73) Bromobenzene	12.53	156	470957	98.947	ug/l	99
74) n-propylbenzene	12.59	91	2226055	99.104	ug/l	100
75) 2-Chlorotoluene	12.67	91	1344584	98.753	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1608271	98.911	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	137098	134.202	ug/l	89
78) 4-Chlorotoluene	12.77	91	1340768	103.233	ug/l	99
79) tert-butylbenzene	12.99	119	1375006	97.497	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1612668	100.544	ug/l	100
81) sec-Butylbenzene	13.17	105	1846258	98.448	ug/l	99
82) p-Isopropyltoluene	13.29	119	1569582	99.746	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	812749	103.041	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	801637	106.913	ug/l	100
85) n-Butylbenzene	13.61	91	1342774	108.359	ug/l	100
86) Hexachloroethane	13.87	117	271395	106.078	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	800683	103.059	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	84180	130.491	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	382157	112.671	ug/l	99
90) Hexachlorobutadiene	15.01	225	256300	101.785	ug/l	99
91) Naphthalene	15.13	128	880526	121.652	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	376426	110.248	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 04:33:00 2019
Response via : Initial Calibration

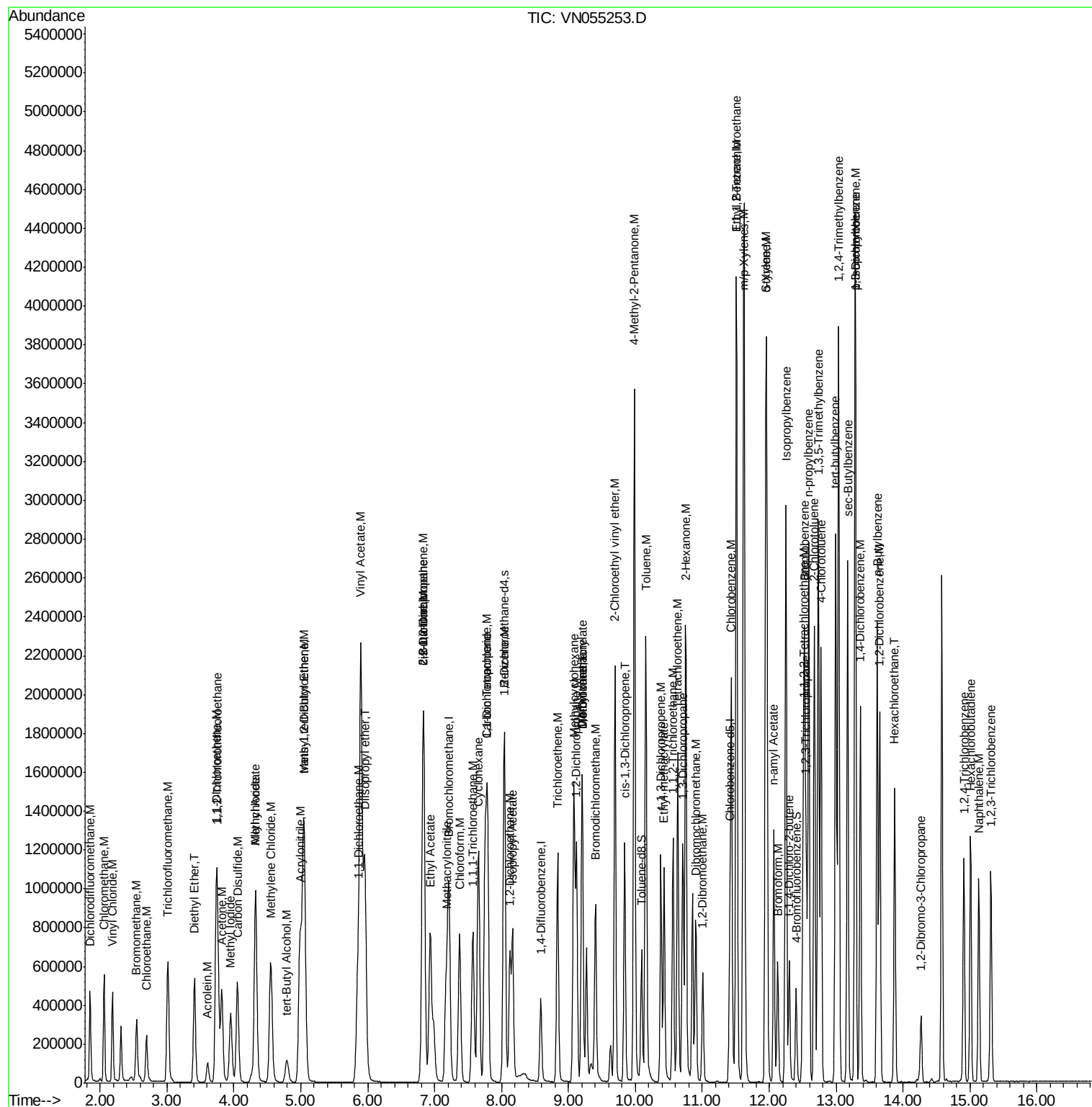
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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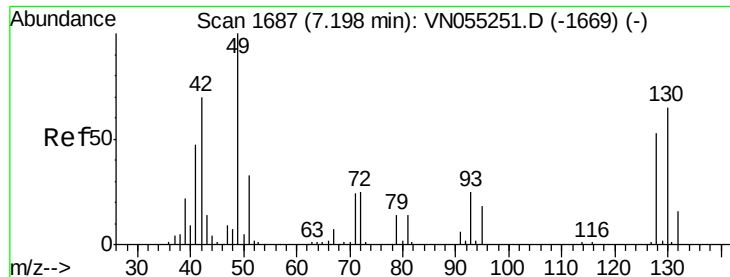
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 25 Apr 2019 19:15
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Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Apr 26 04:38:39 2019
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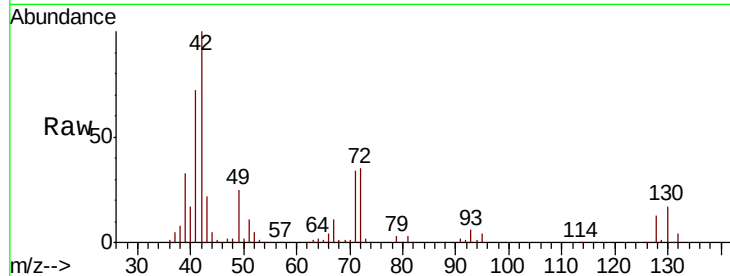




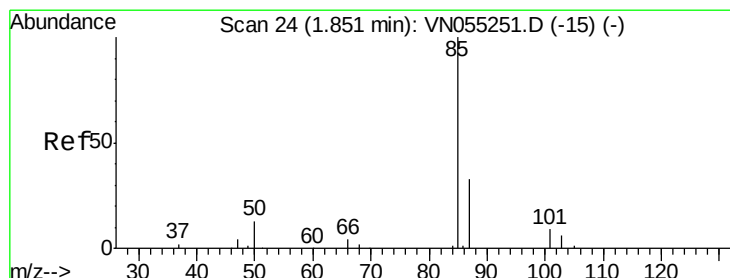
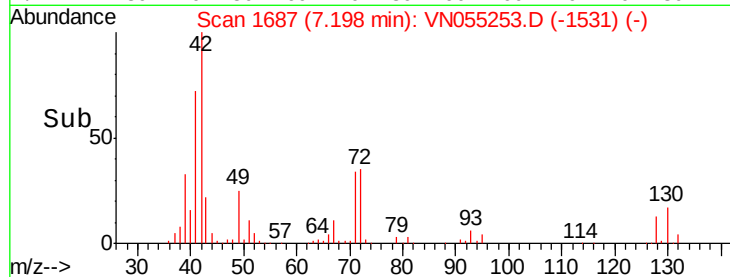
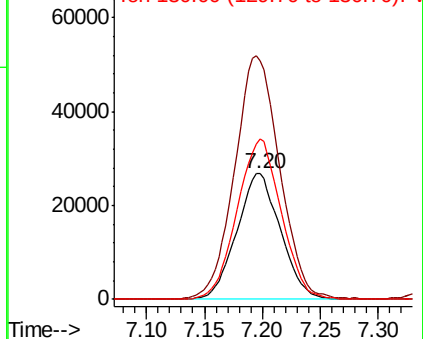
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

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 ClientSampleId :
 VSTDIC100

Tot Ion:128 Resp: 69956
 Ion Ratio Lower Upper
 128 100
 49 200.2 0.0 485.0
 130 129.2 0.0 324.7

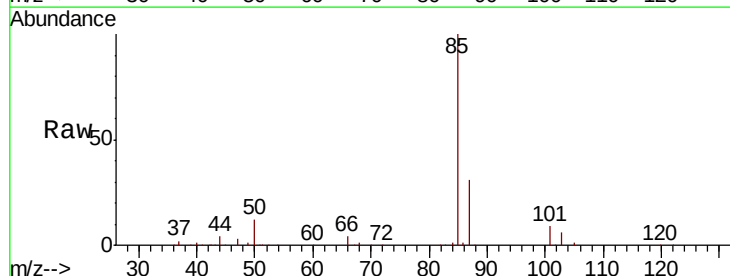


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

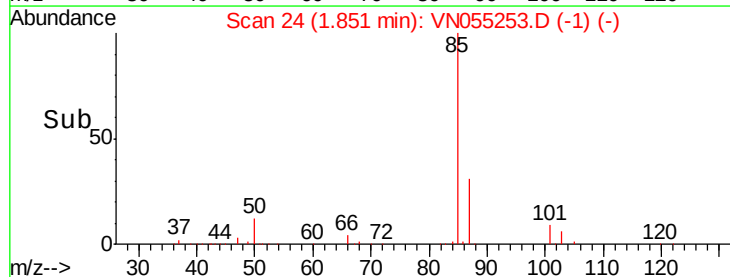
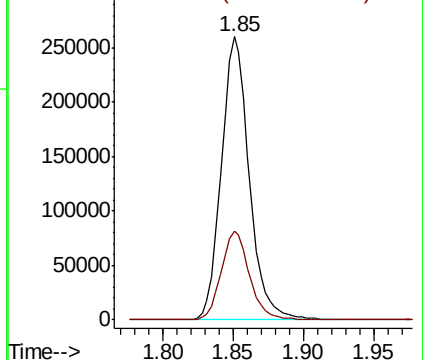


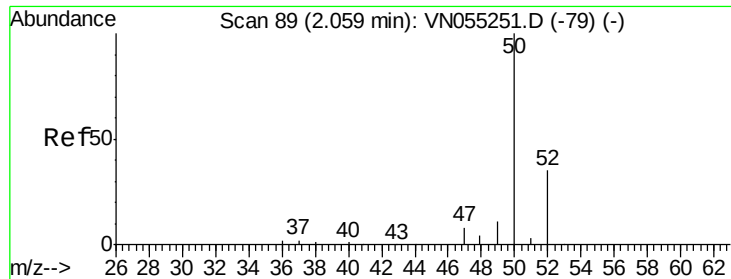
#2
 Dichlorodifluoromethane
 Concen: 89.372 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 85 Resp: 358859
 Ion Ratio Lower Upper
 85 100
 87 31.3 16.6 49.7



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

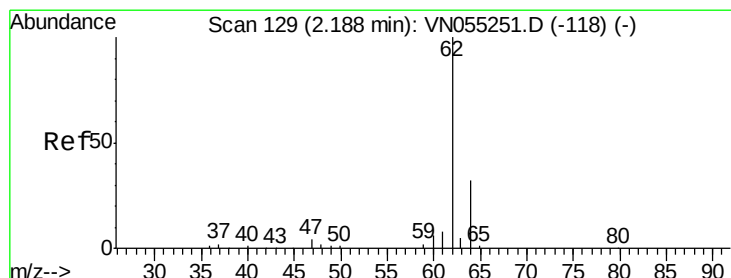
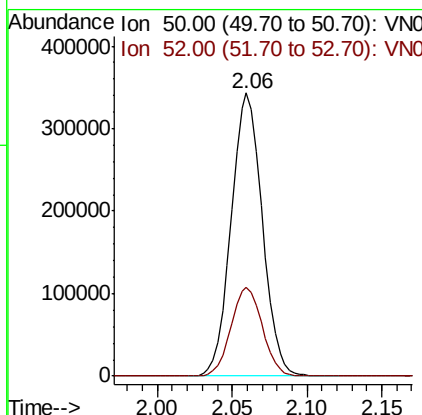
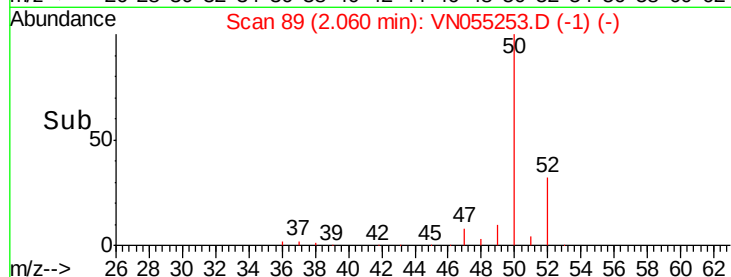
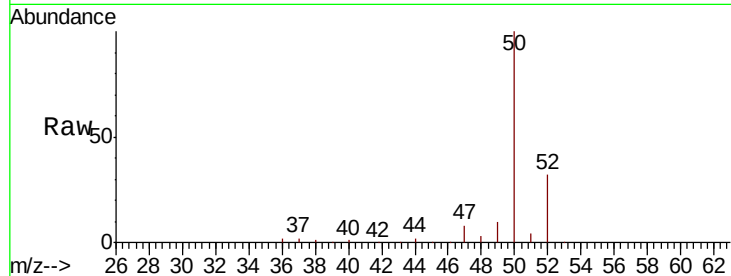




#3
Chloromethane
Concen: 90.536 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

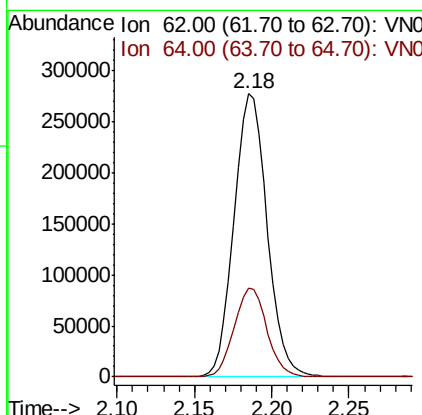
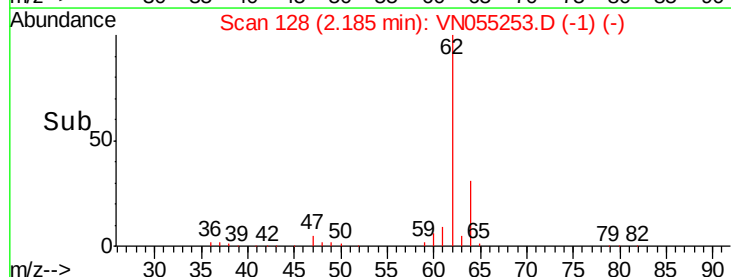
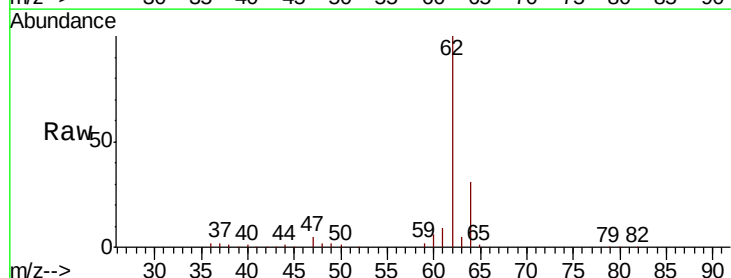
Instrument :
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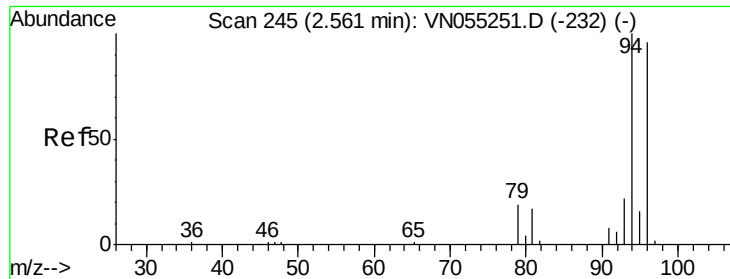
Tot Ion: 50 Resp: 497361
Ion Ratio Lower Upper
50 100
52 31.5 27.9 41.9



#4
Vinyl Chloride
Concen: 87.295 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 62 Resp: 411522
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4

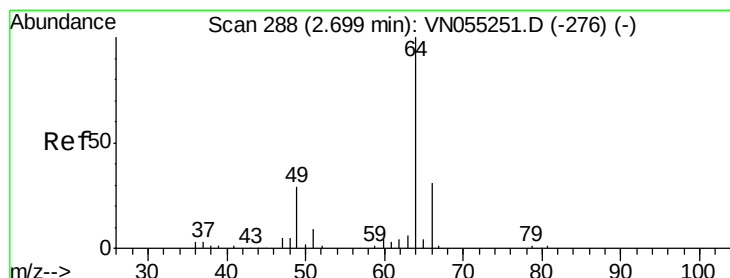
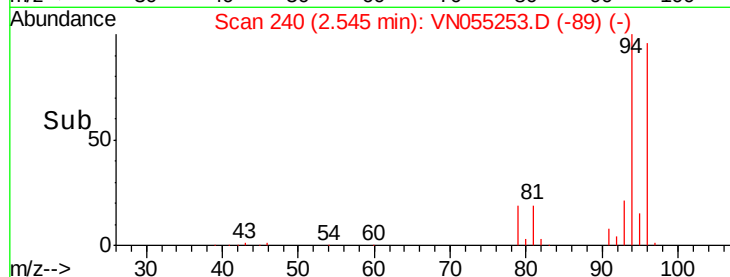
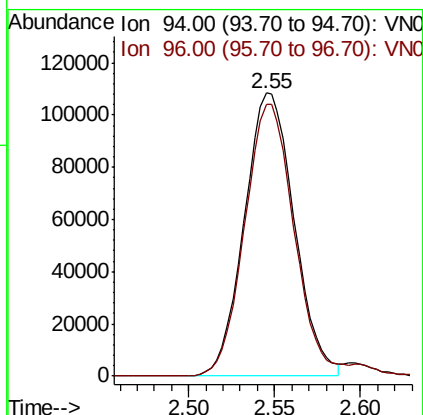
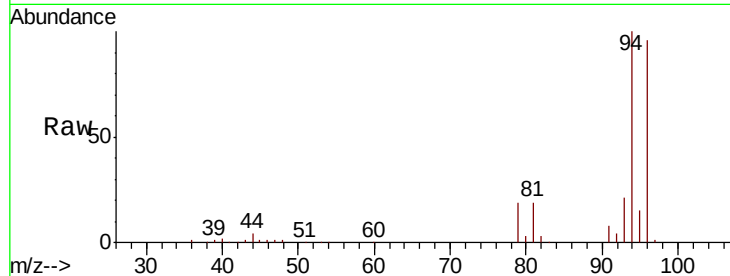




#5
Bromomethane
Concen: 80.204 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.02 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

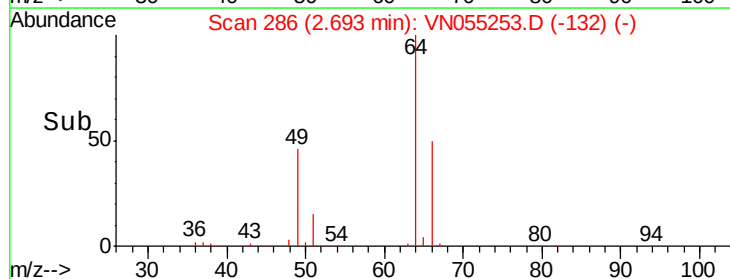
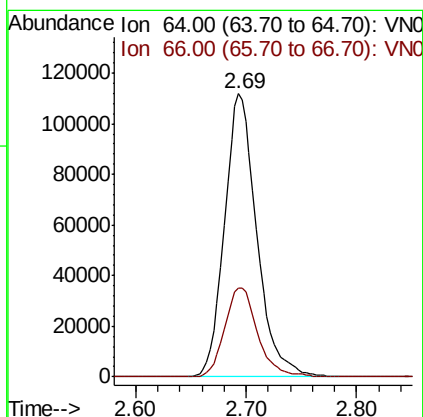
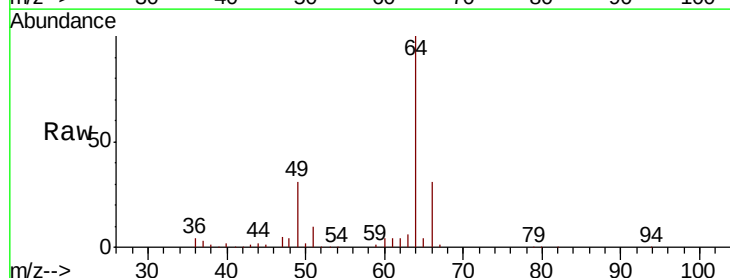
Instrument :
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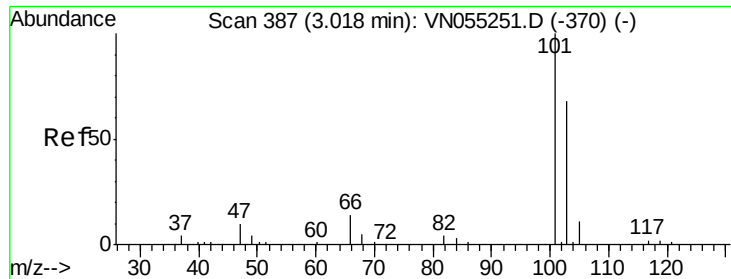
Tot Ion: 94 Resp: 218260
Ion Ratio Lower Upper
94 100
96 96.0 77.0 115.6



#6
Chloroethane
Concen: 85.958 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 64 Resp: 226521
Ion Ratio Lower Upper
64 100
66 31.3 24.6 36.8



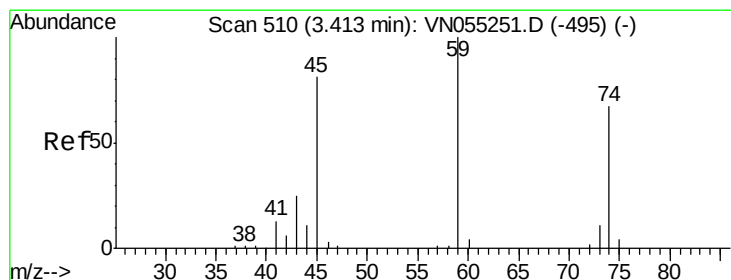
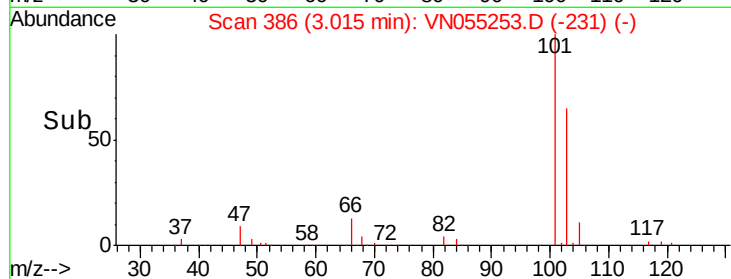
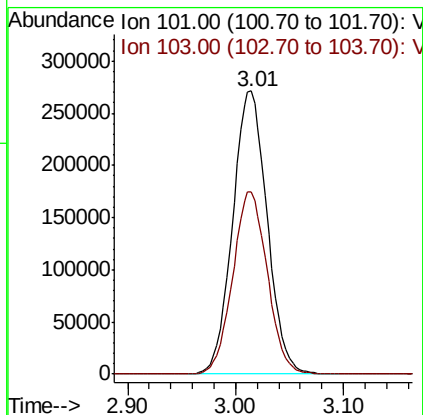
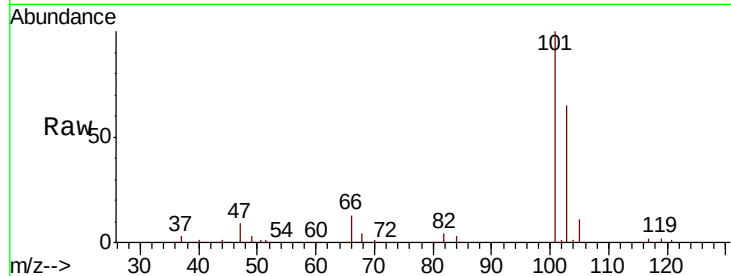


#7

Trichlorofluoromethane
Concen: 98.182 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
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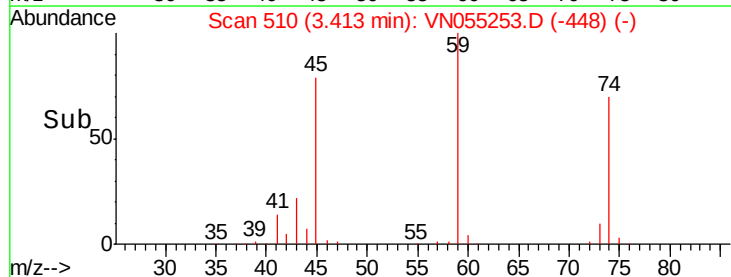
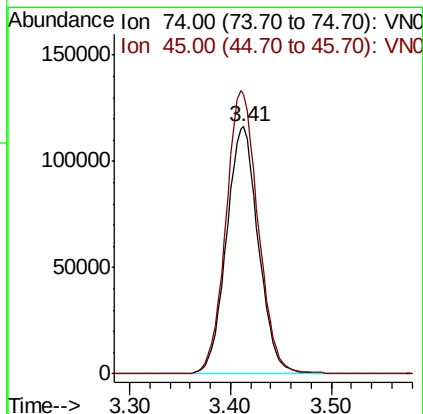
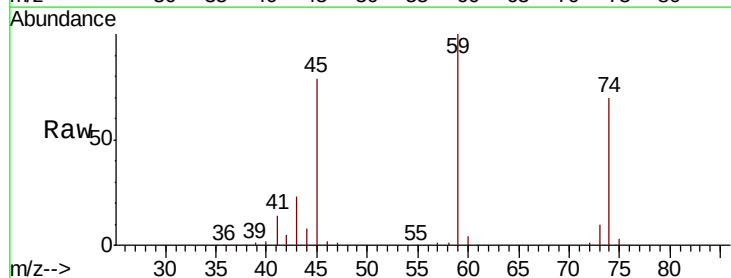
Tot Ion:101 Resp: 604022
Ion Ratio Lower Upper
101 100
103 64.5 54.6 81.8

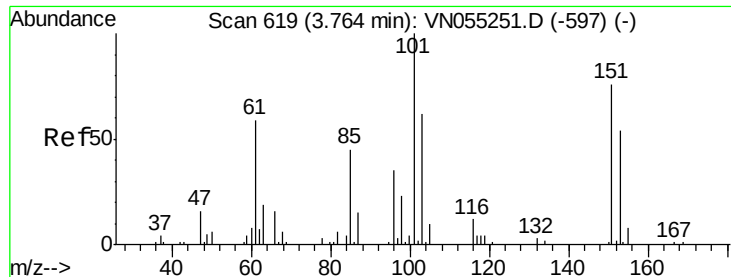


#8

Diethyl Ether
Concen: 123.798 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 74 Resp: 256995
Ion Ratio Lower Upper
74 100
45 114.7 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 111.945 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

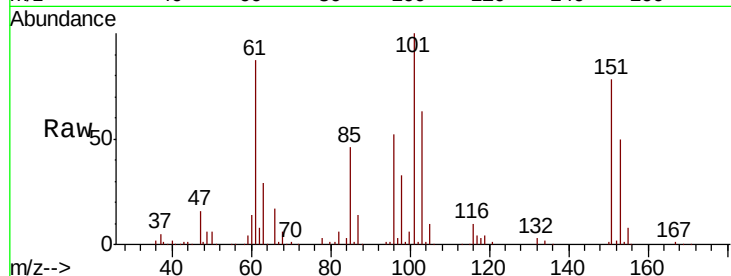
Tot Ion:101 Resp: 389640

Ion Ratio Lower Upper

101 100

85 44.6 0.0 89.0

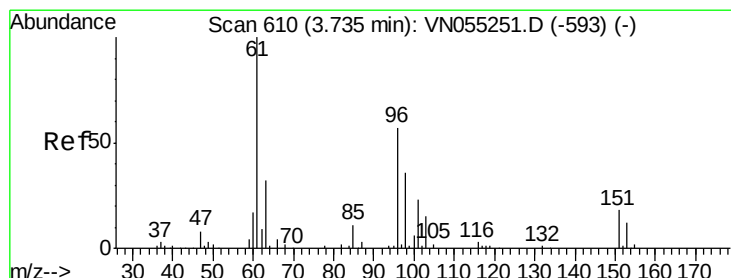
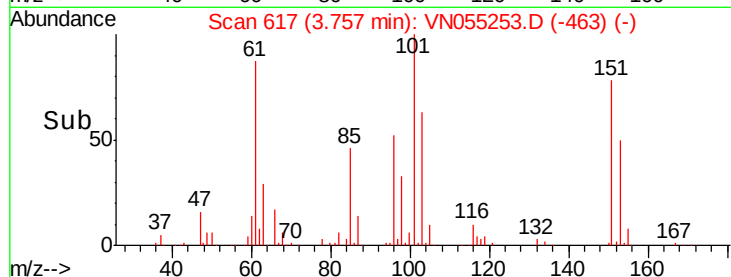
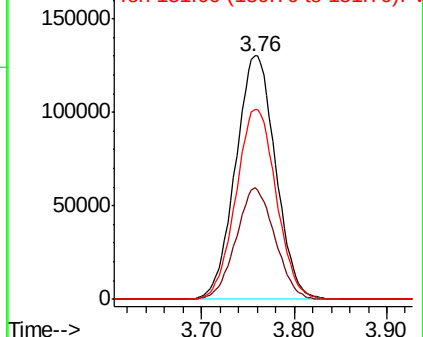
151 78.6 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 112.656 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

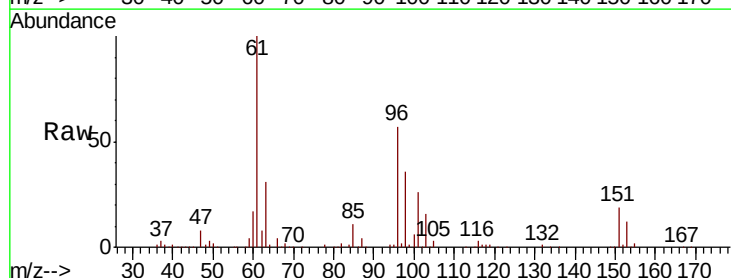
Tgt Ion: 96 Resp: 363719

Ion Ratio Lower Upper

96 100

61 174.3 139.9 209.9

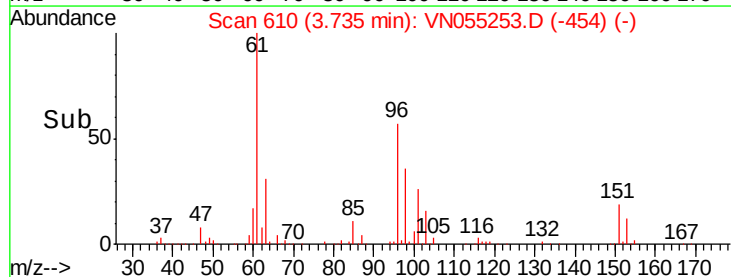
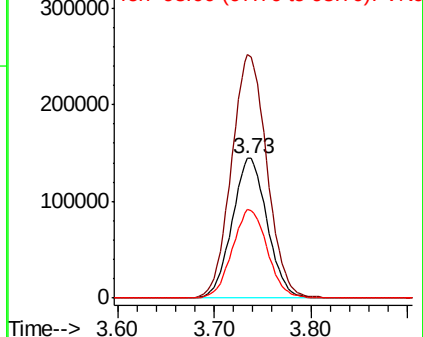
98 63.5 50.8 76.2

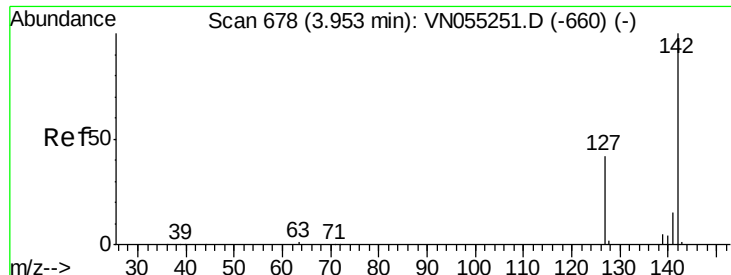


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

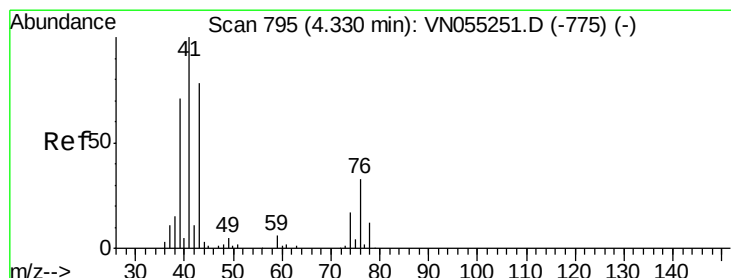
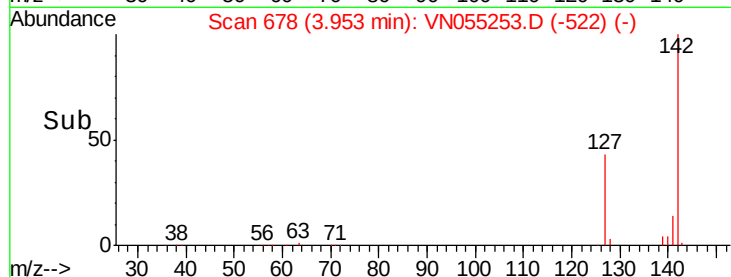
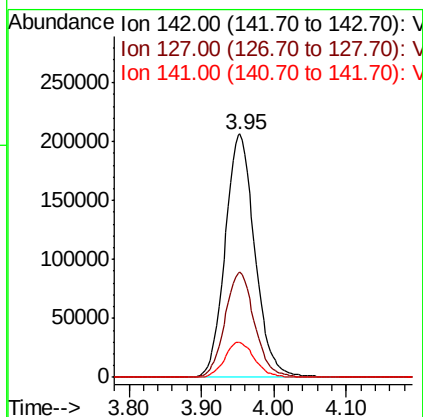
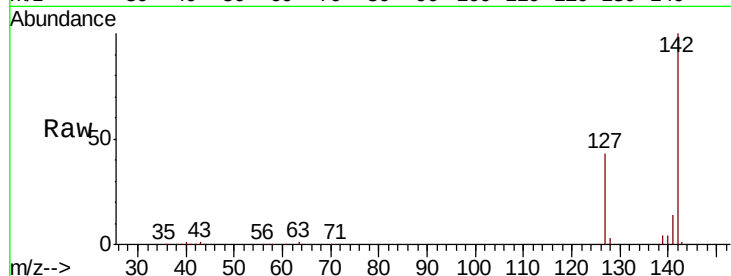




#11
Methyl Iodide
Concen: 118.961 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

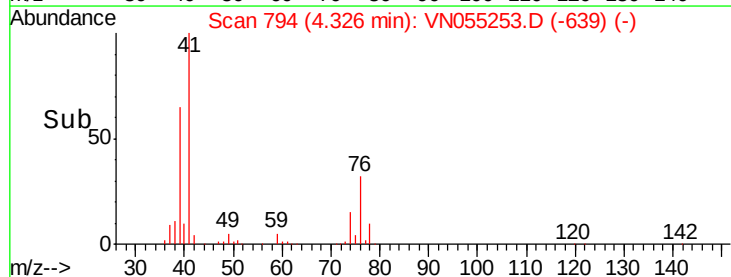
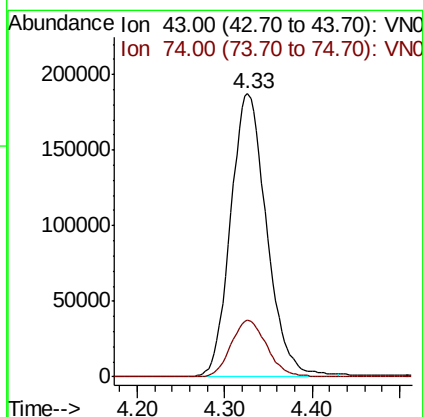
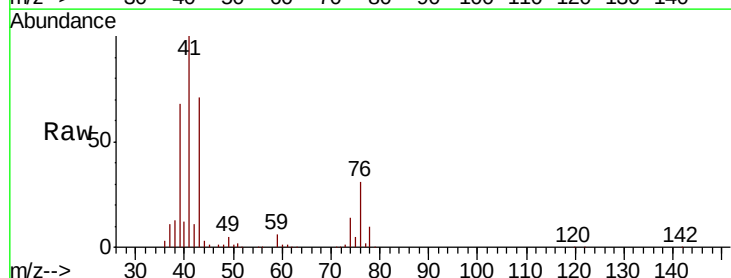
Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

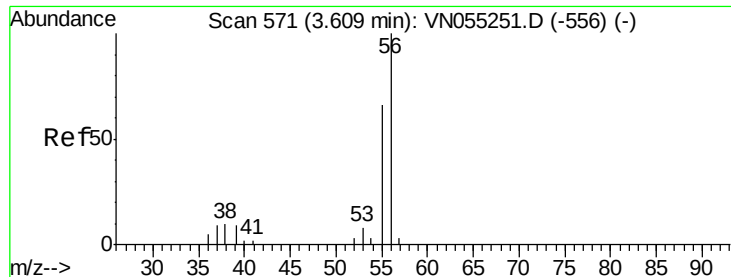
Tot Ion:142 Resp: 587375
Ion Ratio Lower Upper
142 100
127 43.2 20.9 62.7
141 14.1 7.6 22.8



#12
Methyl Acetate
Concen: 127.139 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 43 Resp: 532275
Ion Ratio Lower Upper
43 100
74 20.2 17.7 26.5





#13

Acrolein

Concen: 353.276 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

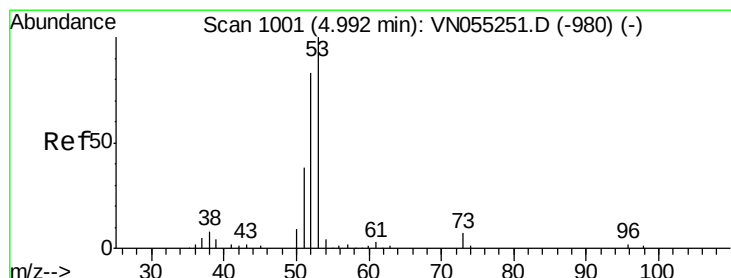
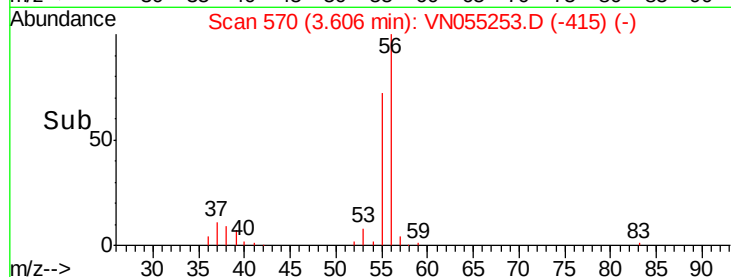
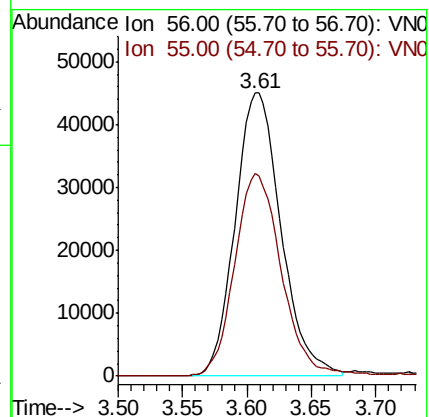
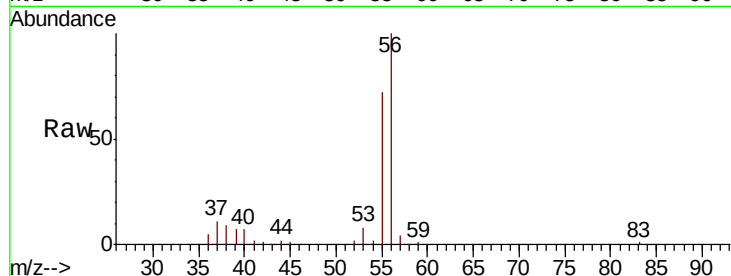
VSTDIC100

Tot Ion: 56 Resp: 111378

Ion Ratio Lower Upper

56 100

55 73.1 54.9 82.3



#14

Acrylonitrile

Concen: 586.554 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

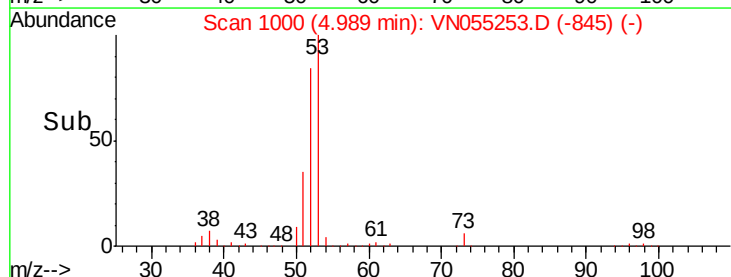
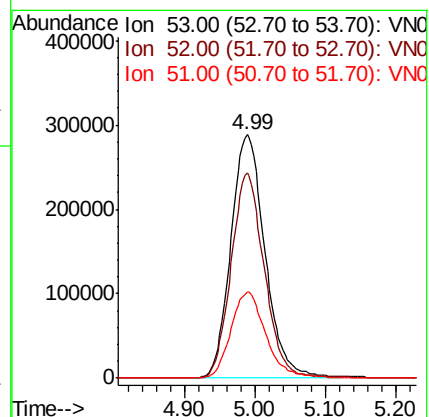
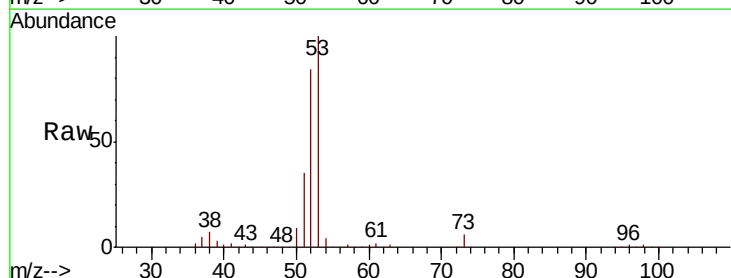
Tgt Ion: 53 Resp: 976388

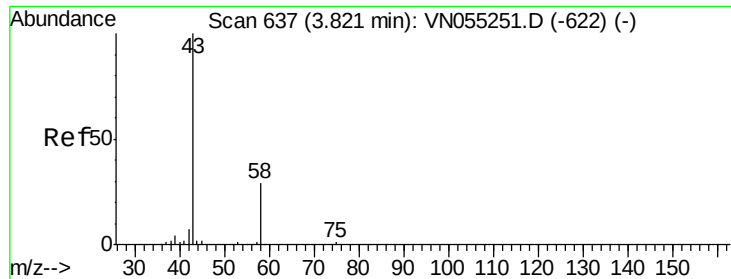
Ion Ratio Lower Upper

53 100

52 81.6 41.0 123.2

51 36.3 18.1 54.4





#15

Acetone

Concen: 566.985 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

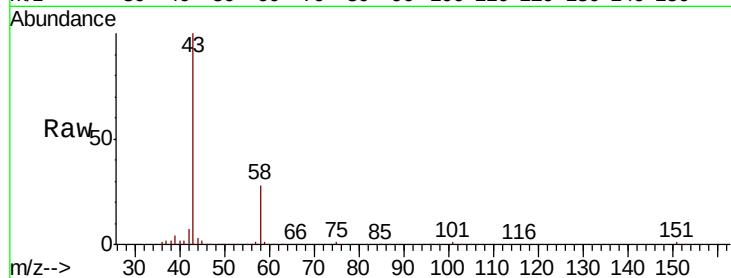
VSTDIC100

Tot Ion: 58 Resp: 225140

Ion Ratio Lower Upper

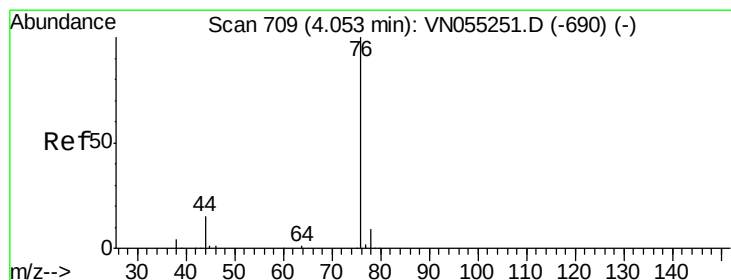
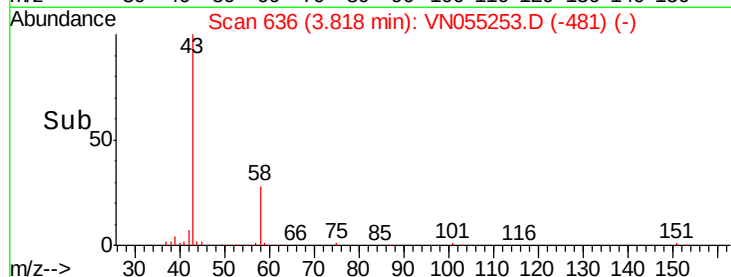
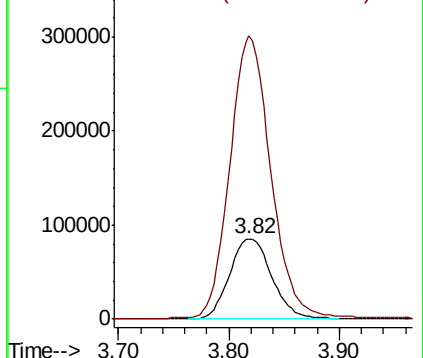
58 100

43 352.8 278.2 417.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 97.399 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055253.D

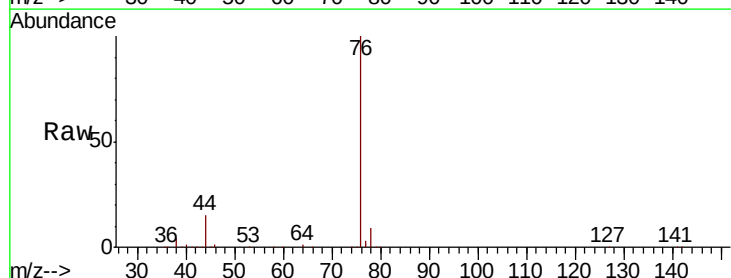
Acq: 25 Apr 2019 19:15

Tgt Ion: 76 Resp: 1013602

Ion Ratio Lower Upper

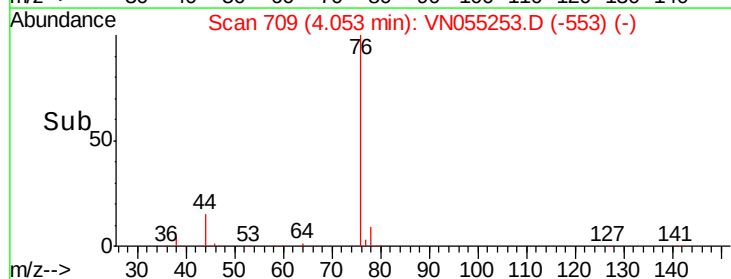
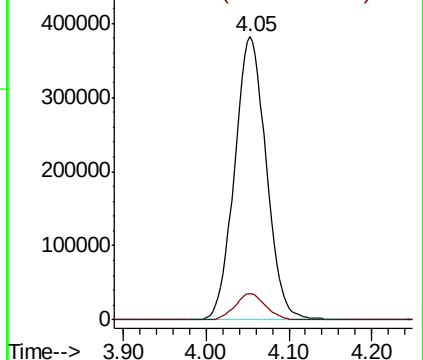
76 100

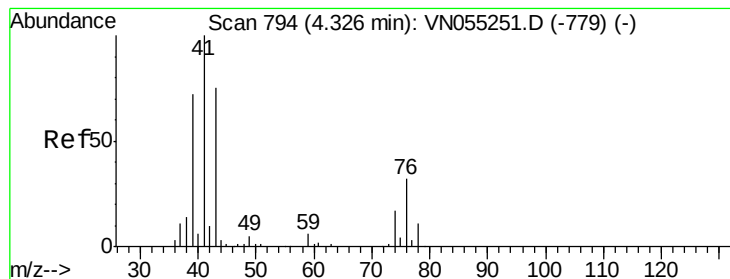
78 9.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 106.331 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

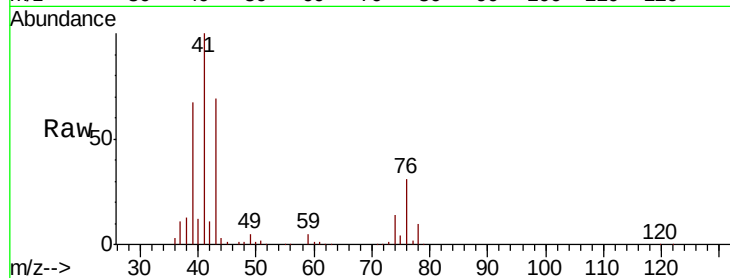
Tot Ion: 41 Resp: 817309

Ion Ratio Lower Upper

41 100

39 67.4 34.4 103.2

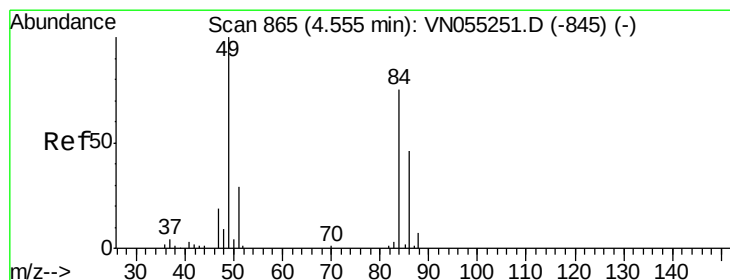
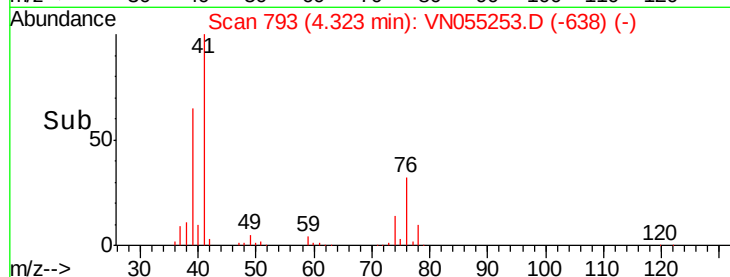
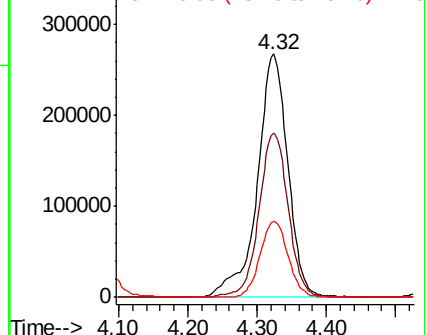
76 31.2 15.3 45.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 94.799 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion: 84 Resp: 439487

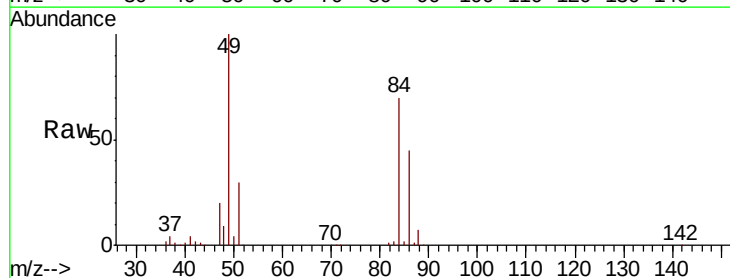
Ion Ratio Lower Upper

84 100

49 142.1 107.2 160.8

51 43.3 31.4 47.2

86 64.7 49.4 74.0

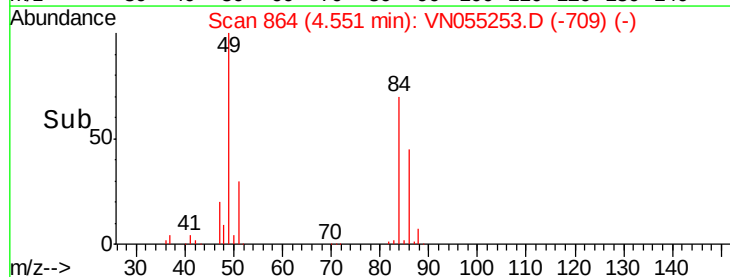
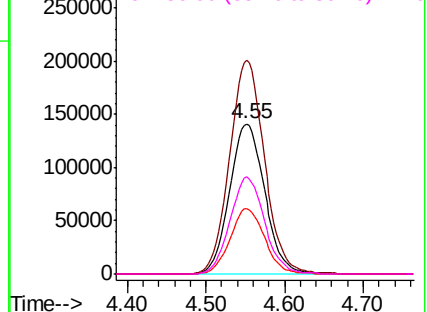


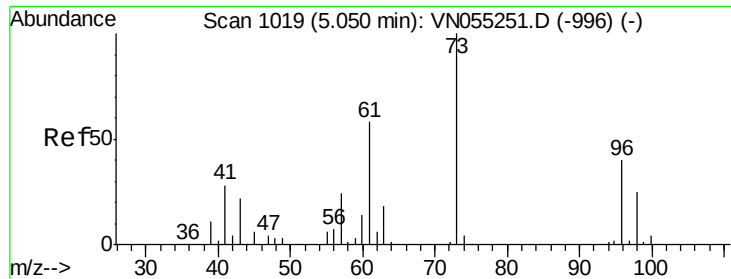
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

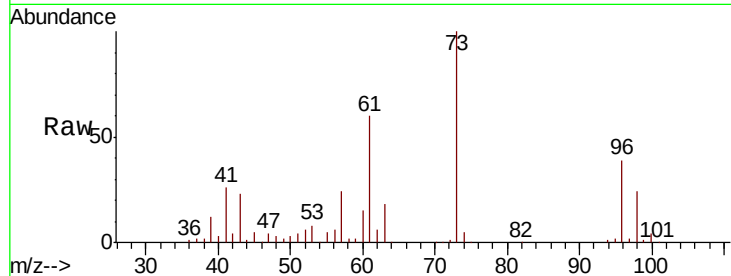




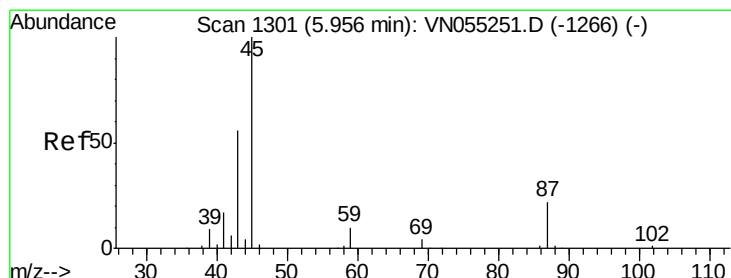
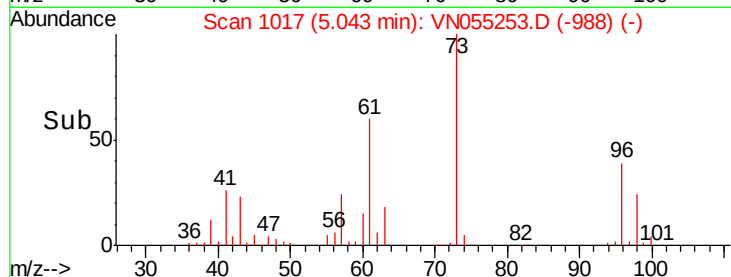
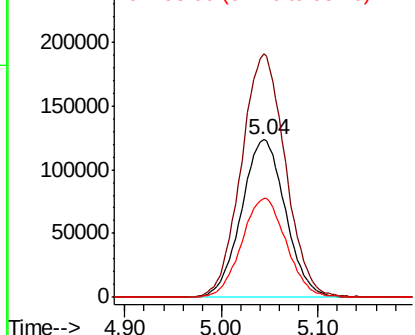
#19
trans-1,2-Dichloroethene
Concen: 96.102 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 390644
Ion Ratio Lower Upper
96 100
61 154.2 116.3 174.5
98 62.5 49.4 74.2

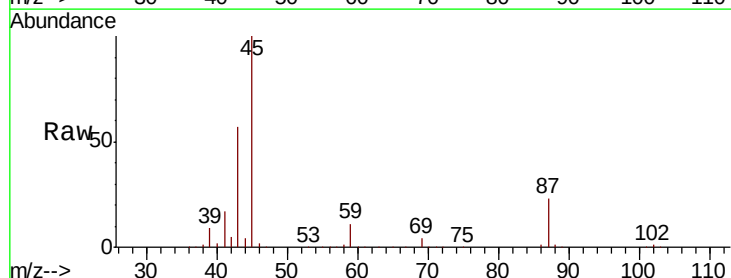


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

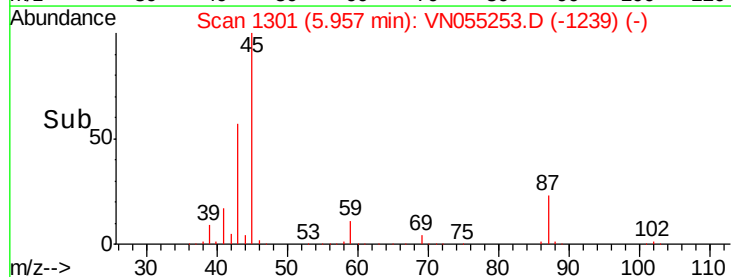
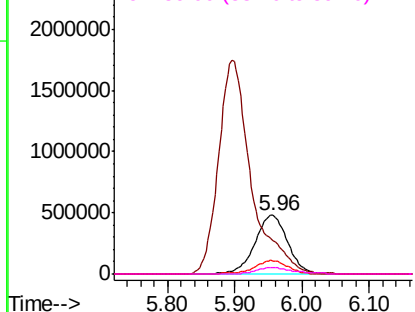


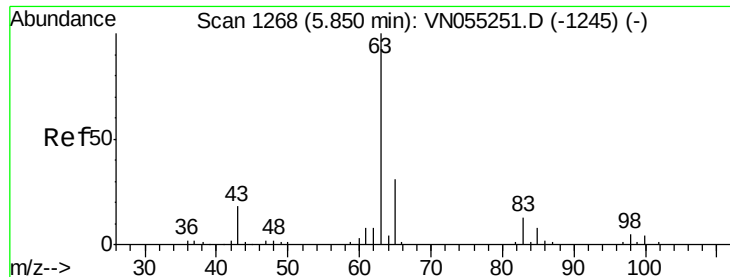
#20
Diisopropyl ether
Concen: 102.243 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 45 Resp: 1619623
Ion Ratio Lower Upper
45 100
43 56.9 46.1 69.1
87 22.8 18.3 27.5
59 10.6 8.0 12.0



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

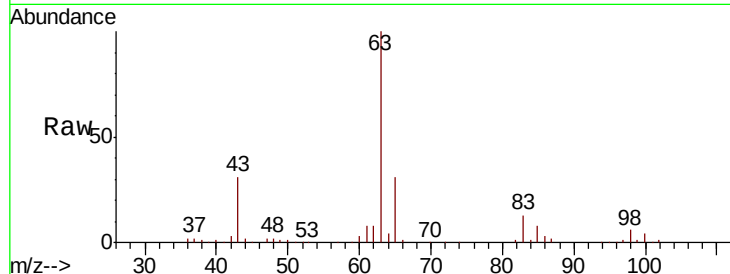




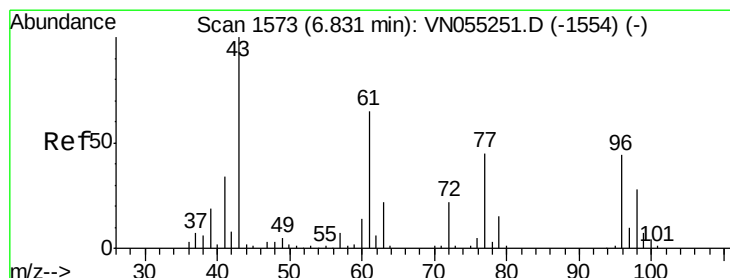
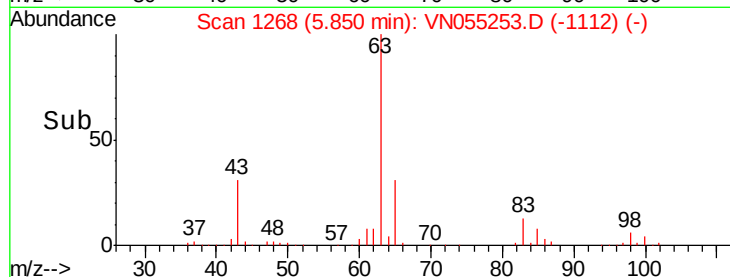
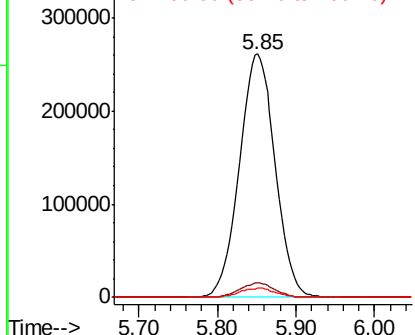
#21
 1,1-Dichloroethane
 Concen: 99.418 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.8	8.3
100	3.6	2.0	5.8

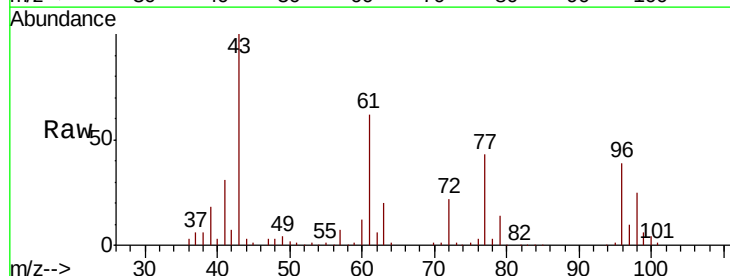


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

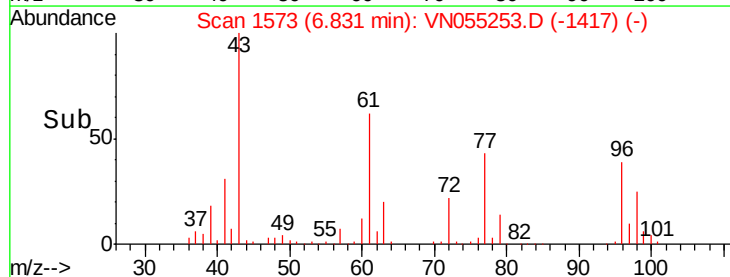
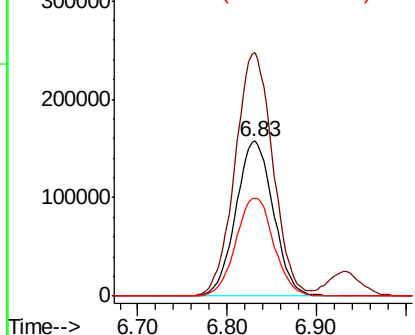


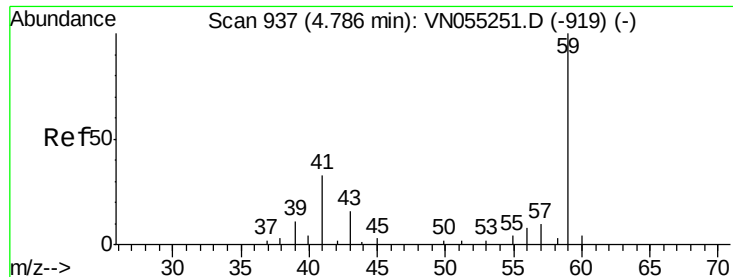
#22
 cis-1,2-Dichloroethene
 Concen: 97.952 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	129.1	193.7
98	63.9	53.2	79.8



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



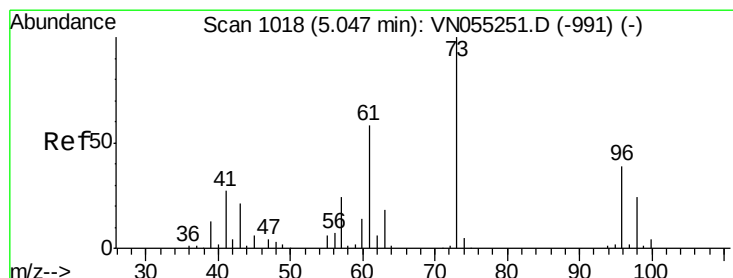
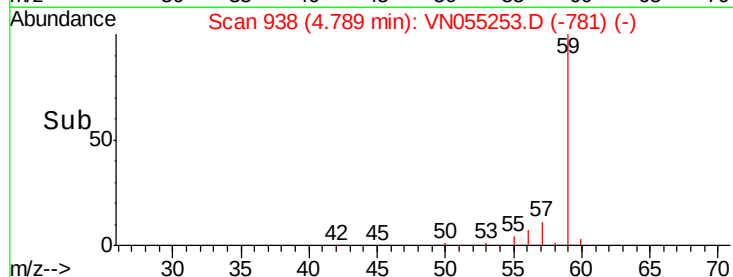
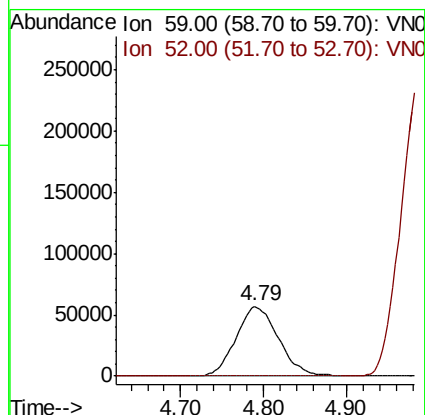
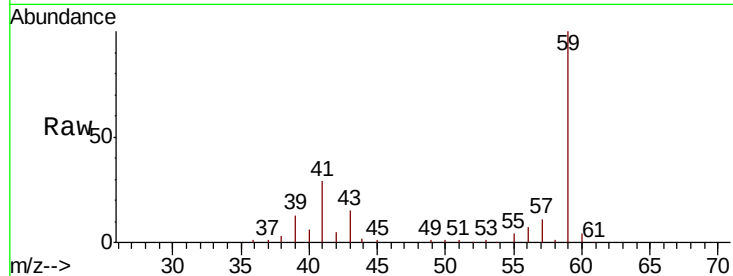


#23

tert-Butyl Alcohol
Concen: 721.637 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

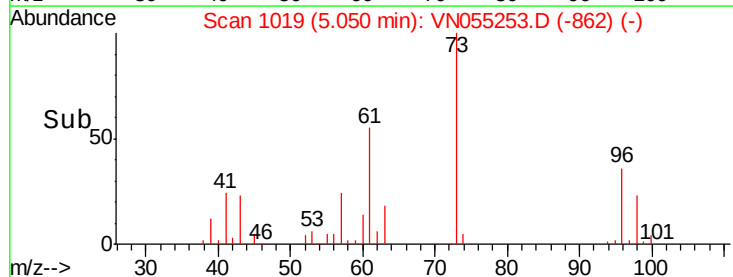
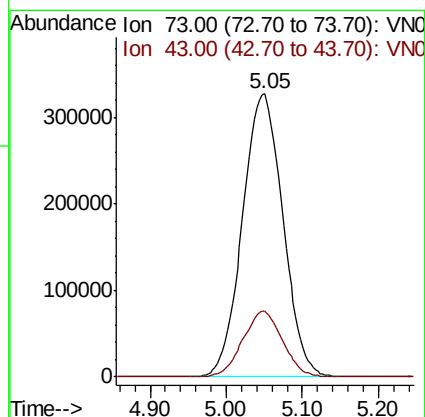
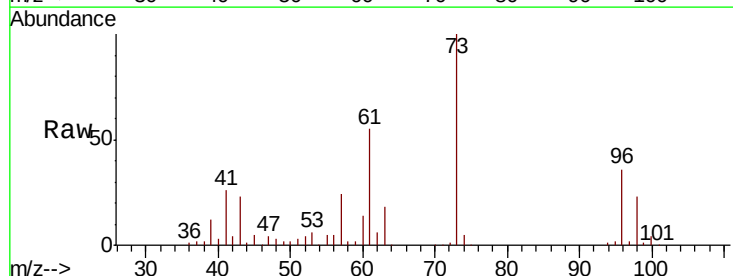
Tot Ion: 59 Resp: 201192
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

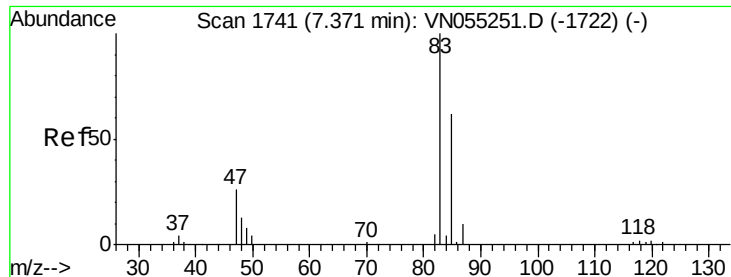


#24

Methyl tert-Butyl Ether
Concen: 111.780 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 73 Resp: 1211039
Ion Ratio Lower Upper
73 100
43 22.6 17.9 26.9





#25

Chloroform

Concen: 98.898 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

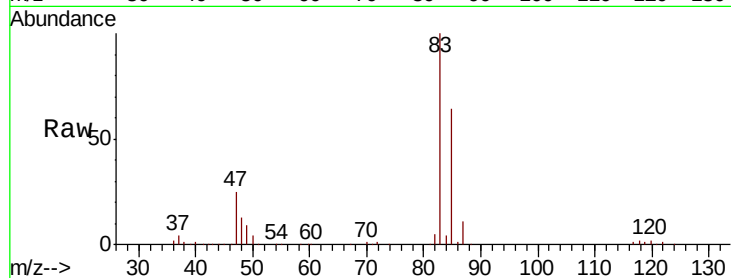
VSTDIC100

Tot Ion: 83 Resp: 788942

Ion Ratio Lower Upper

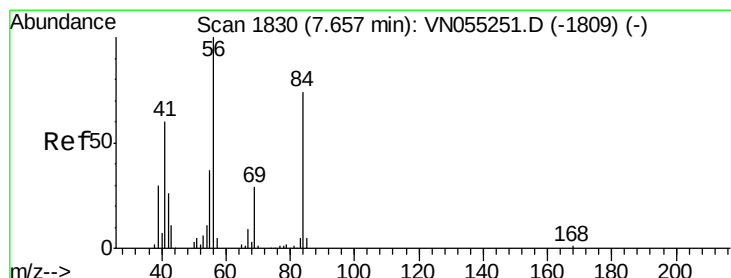
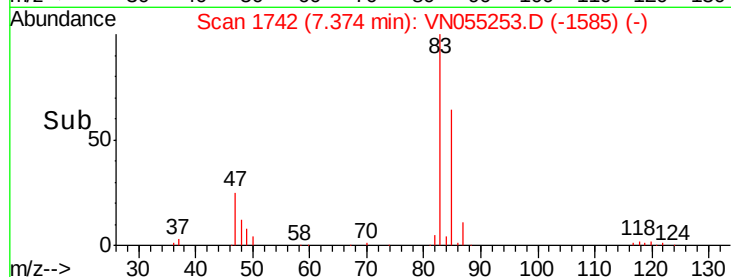
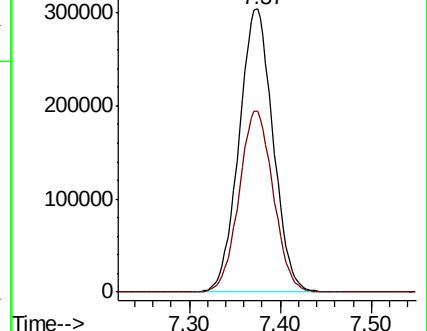
83 100

85 63.9 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 95.883 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

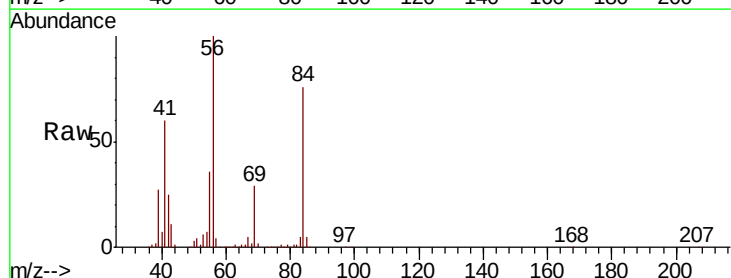
Tgt Ion: 56 Resp: 730843

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

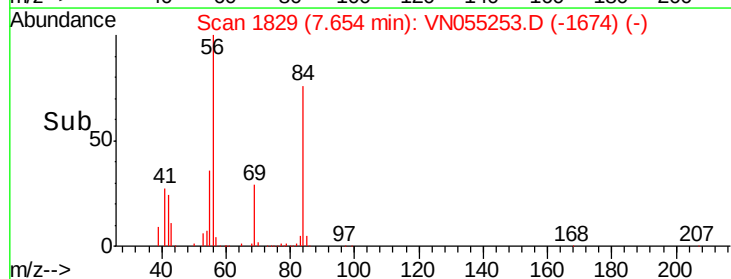
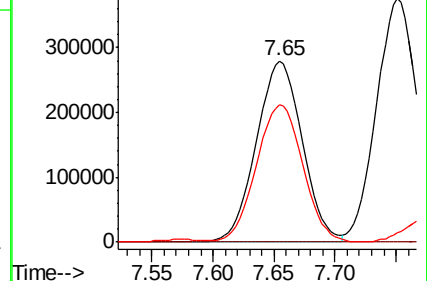
84 77.0 63.5 95.3

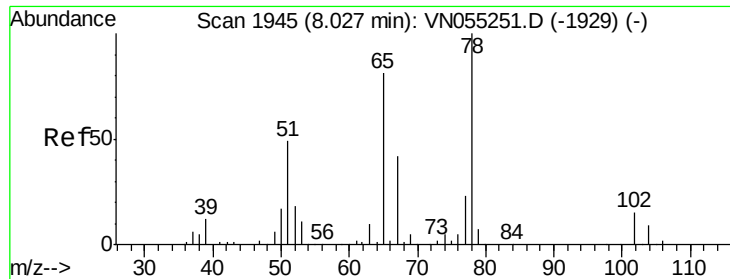


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

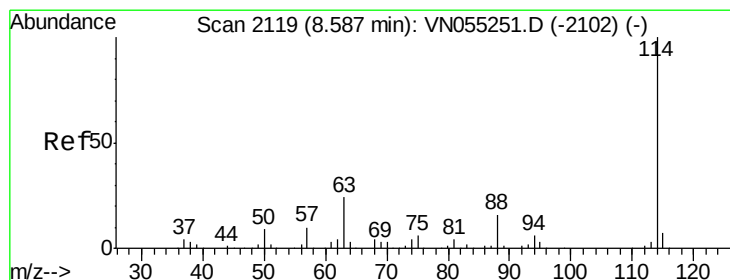
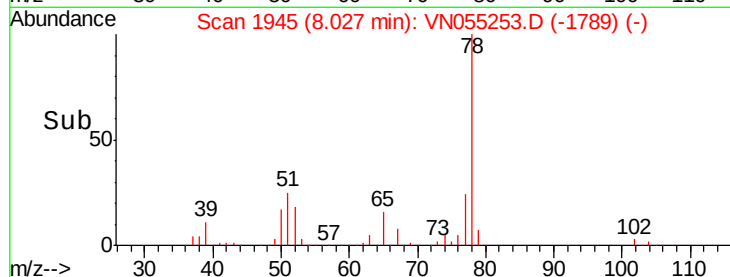
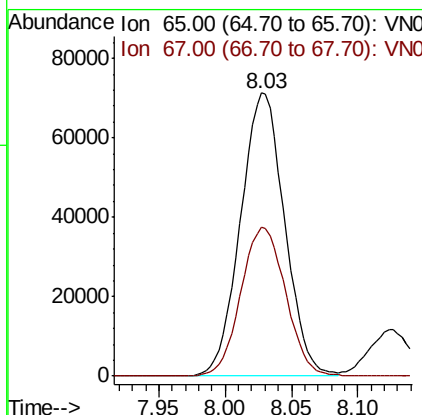
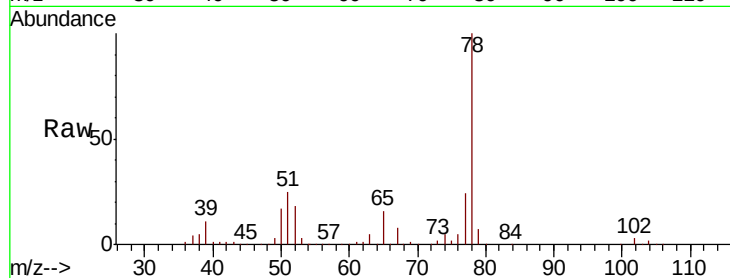




#27
 1,2-Dichloroethane-d4
 Concen: 95.883 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

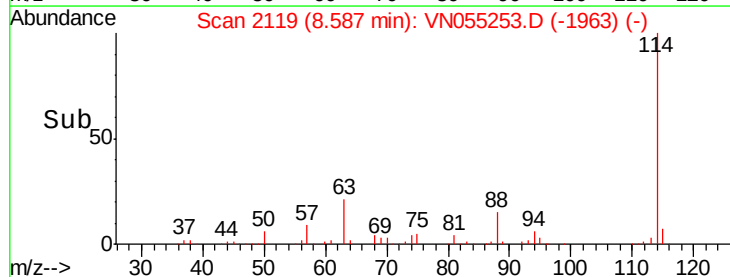
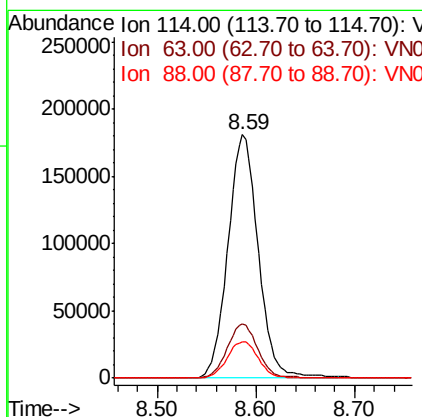
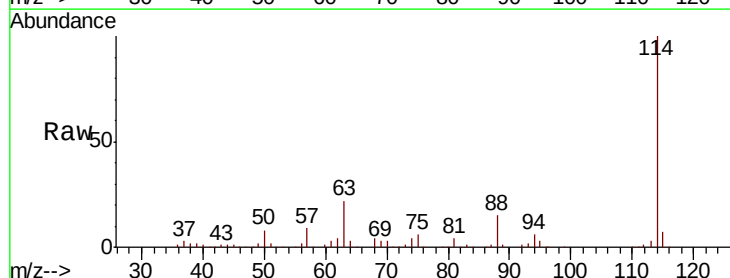
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

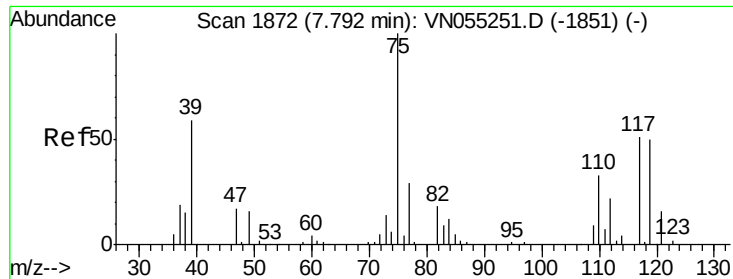
Tot Ion: 65 Resp: 164912
 Ion Ratio Lower Upper
 65 100
 67 53.4 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 114 Resp: 387581
 Ion Ratio Lower Upper
 114 100
 63 22.4 18.2 27.2
 88 15.4 12.6 18.8

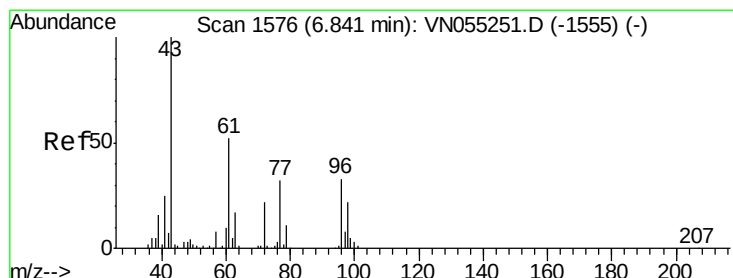
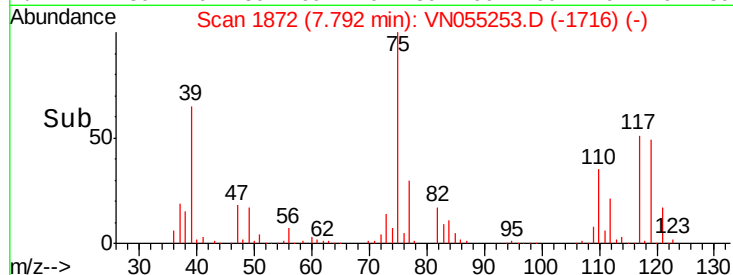
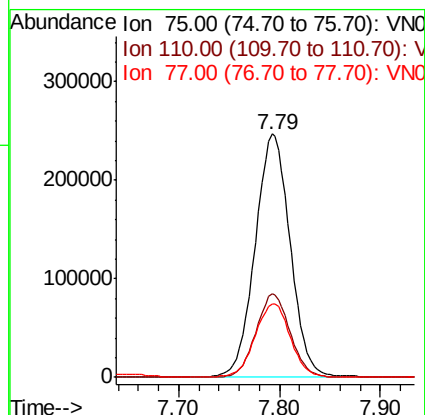
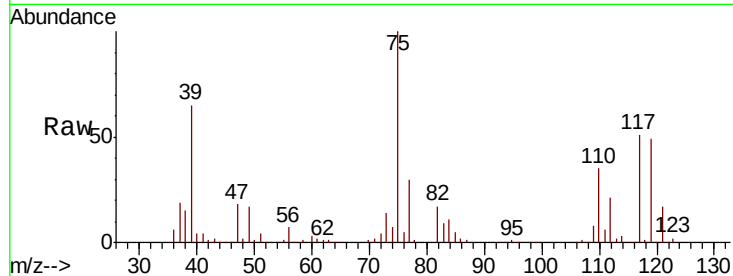




#29
 1,1-Dichloropropene
 Concen: 97.866 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

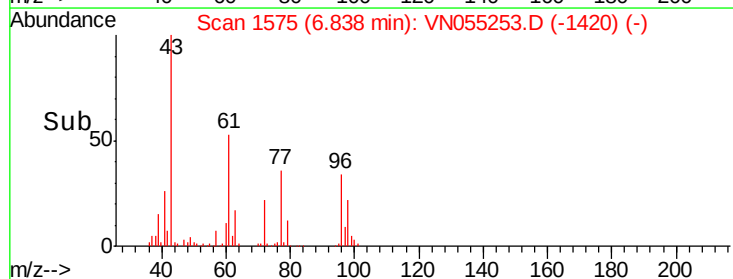
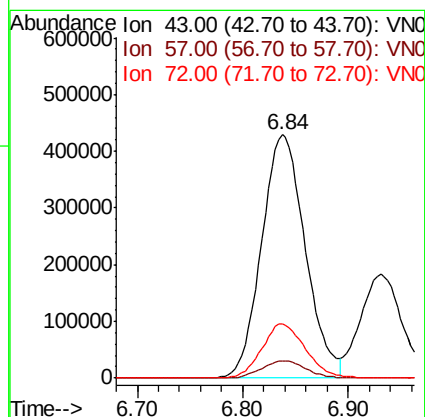
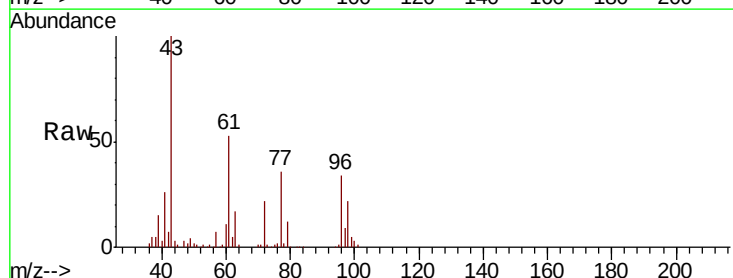
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

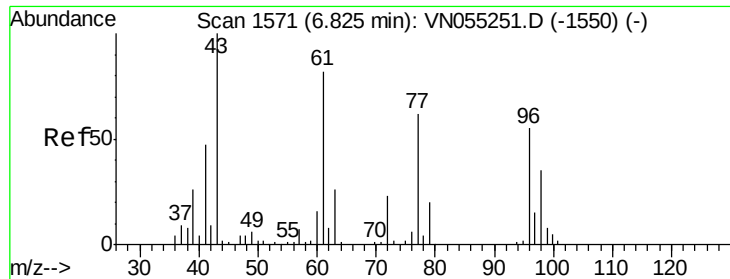
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.5	0.0	68.6
77	30.7	0.0	61.6



#30
 2-Butanone
 Concen: 581.248 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.2	6.0	9.0
72	22.3	17.9	26.9

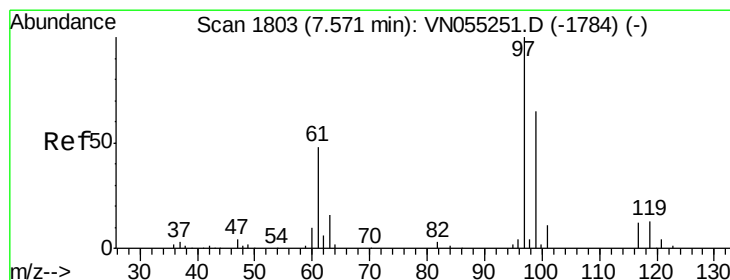
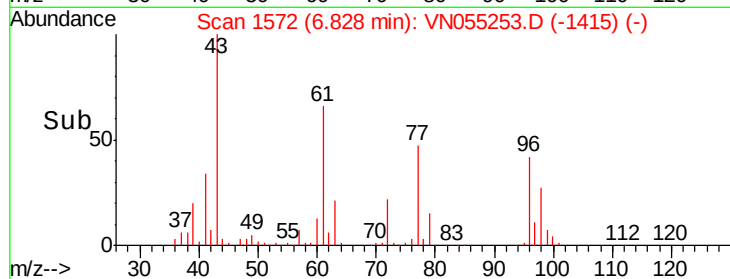
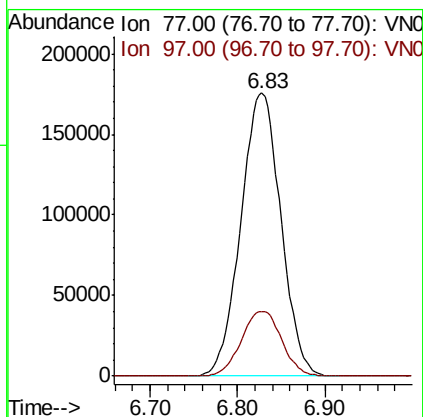
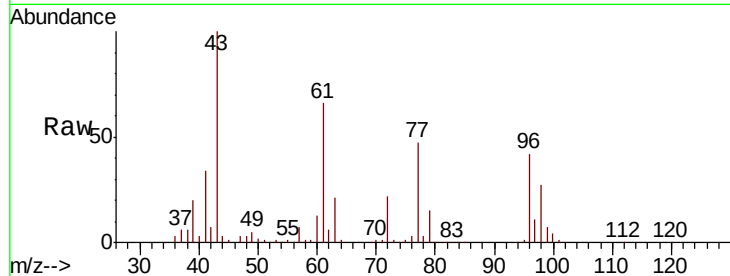




#31
 2,2-Dichloropropane
 Concen: 98.361 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

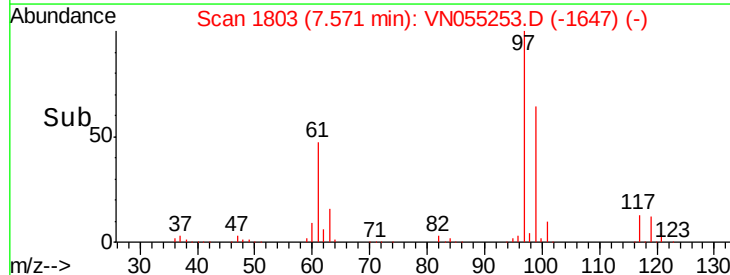
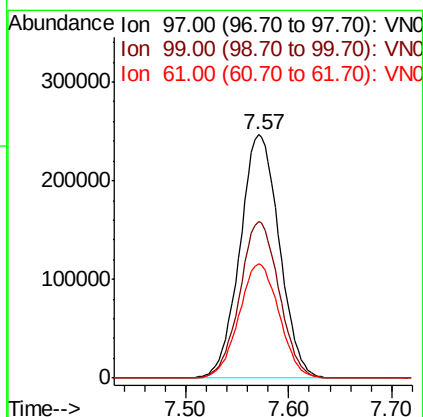
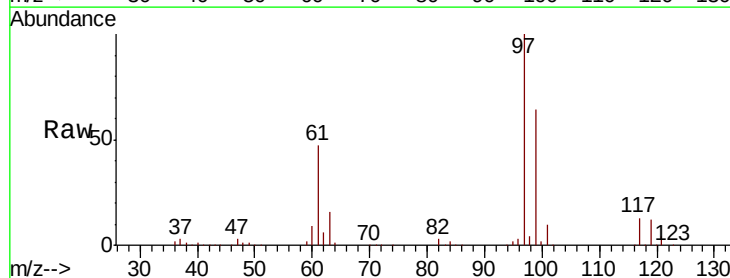
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

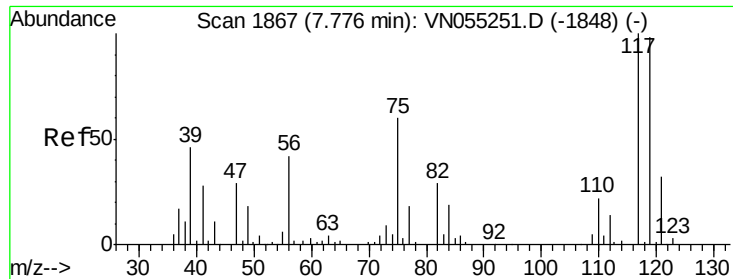
Tot Ion: 77 Resp: 557818
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.6 28.0



#32
 1,1,1-Trichloroethane
 Concen: 100.283 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 97 Resp: 654658
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 47.7 38.3 57.5





#33

Carbon Tetrachloride

Concen: 98.861 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

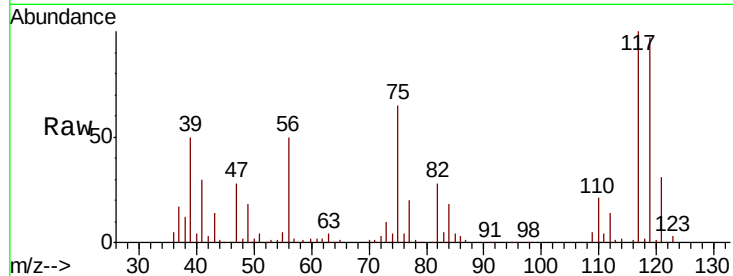
Tot Ion:117 Resp: 553134

Ion Ratio Lower Upper

117 100

119 97.0 78.7 118.1

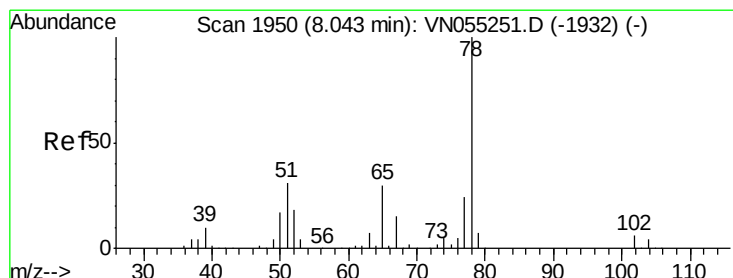
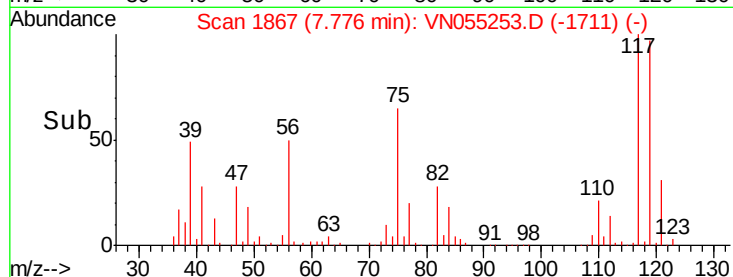
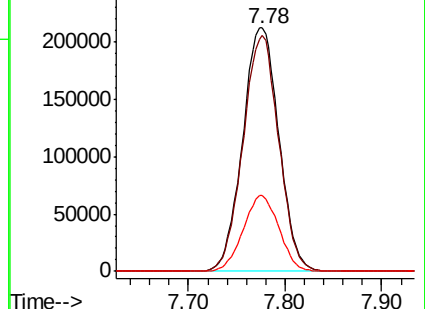
121 31.1 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 97.416 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

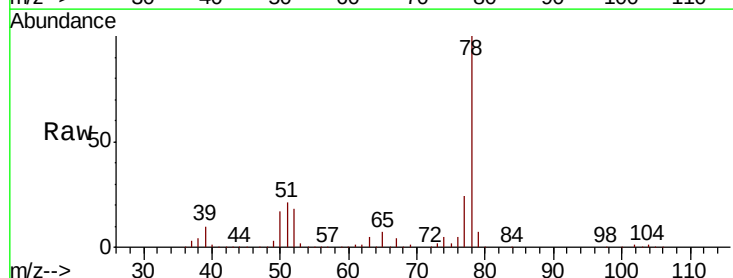
Tgt Ion: 78 Resp: 1766181

Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7

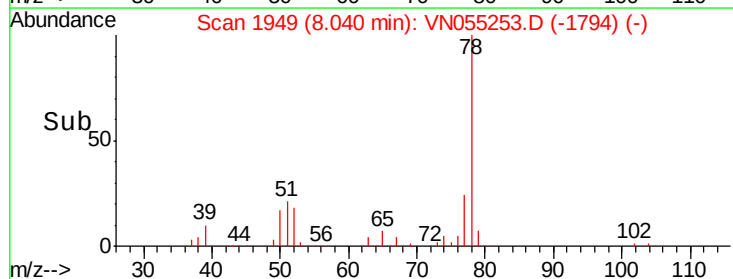
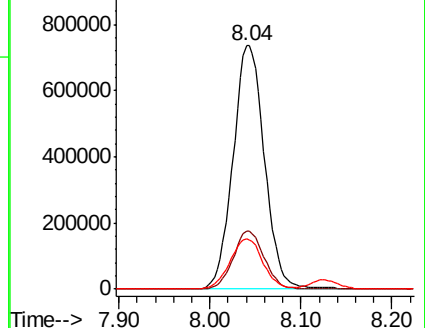
51 20.6 24.5 36.7#

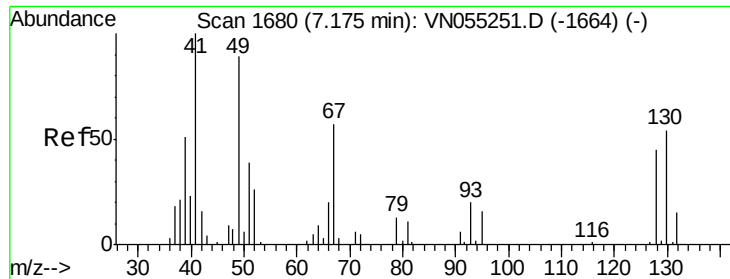


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

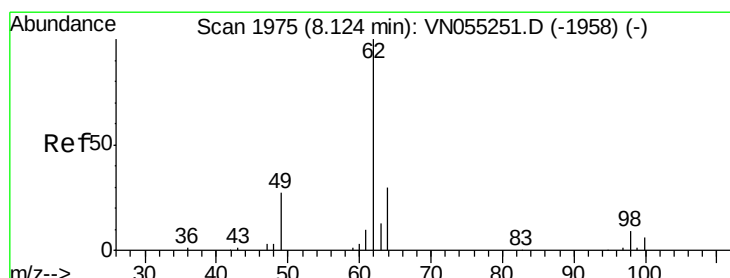
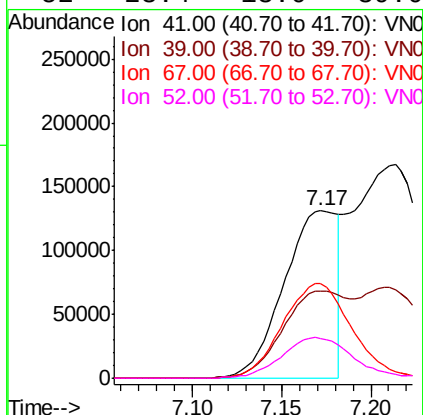
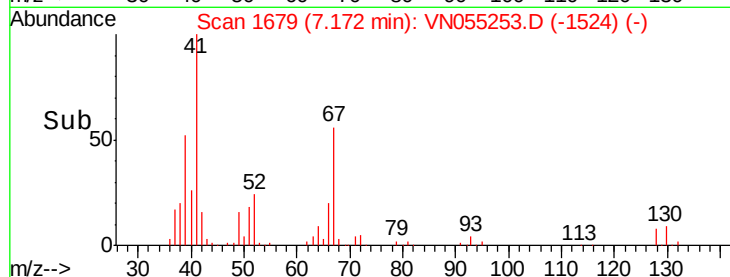
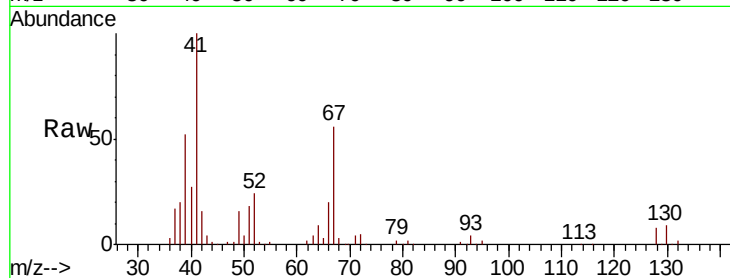




#35
Methacrylonitrile
Concen: 106.814 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

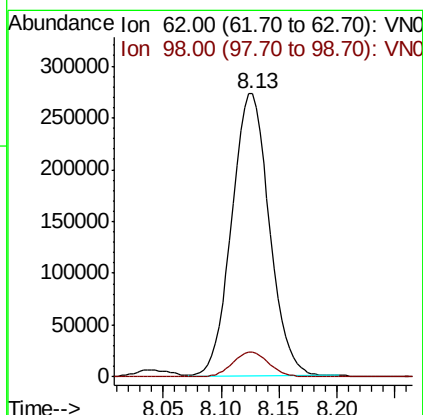
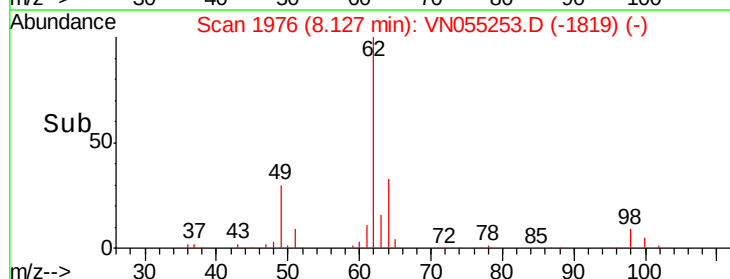
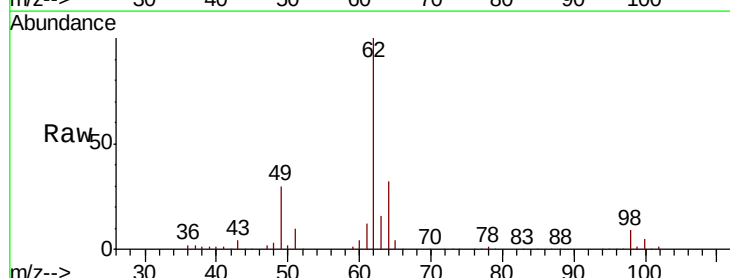
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

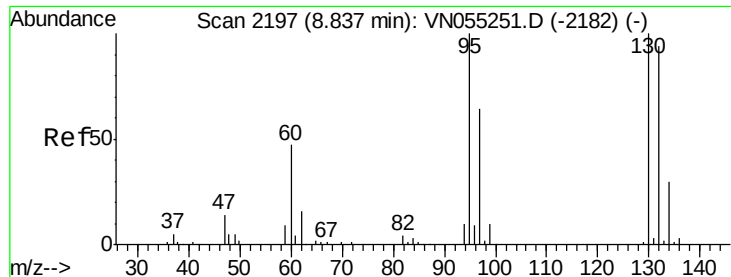
Tot Ion:	41	Resp:	272640
Ion	Ratio	Lower	Upper
41	100		
39	51.9	25.3	75.8
67	56.4	28.7	86.1
52	23.4	13.0	39.0



#36
1,2-Dichloroethane
Concen: 98.493 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion:	62	Resp:	616040
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.8	10.2

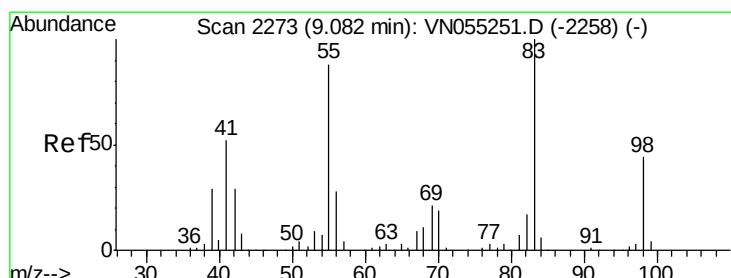
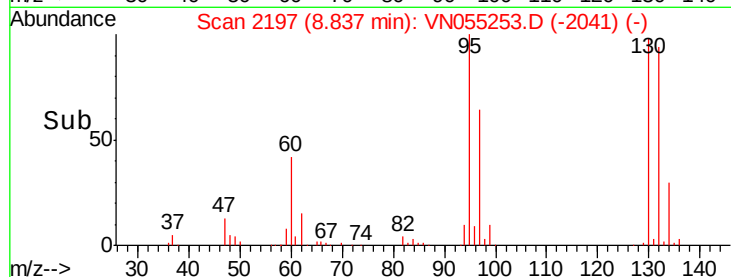
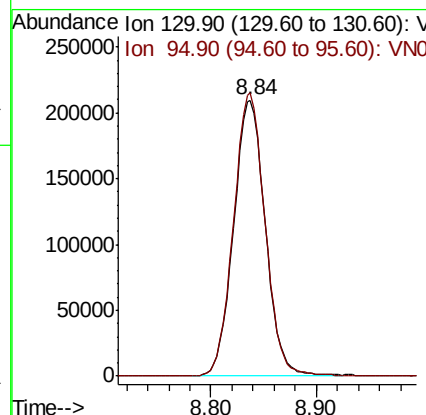
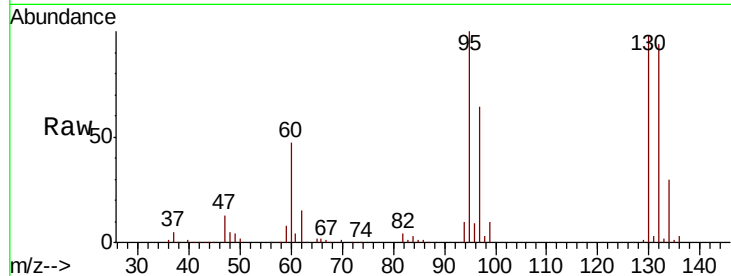




#37
 Trichloroethene
 Concen: 95.159 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

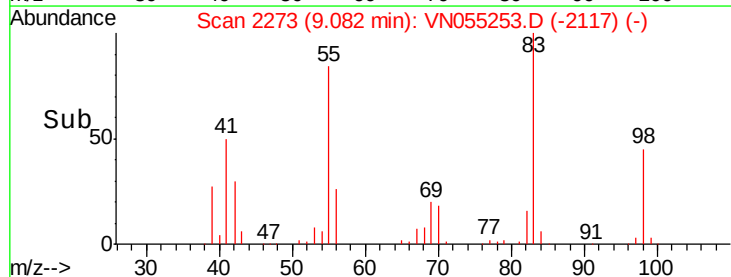
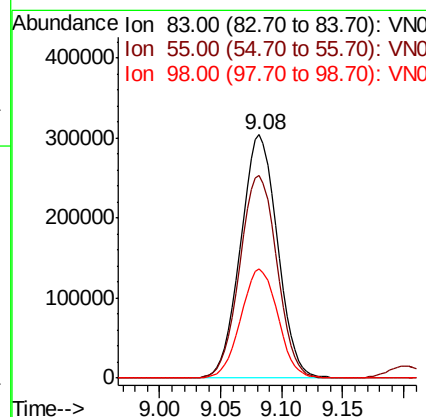
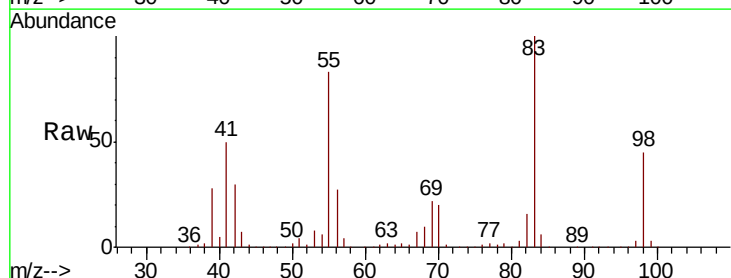
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

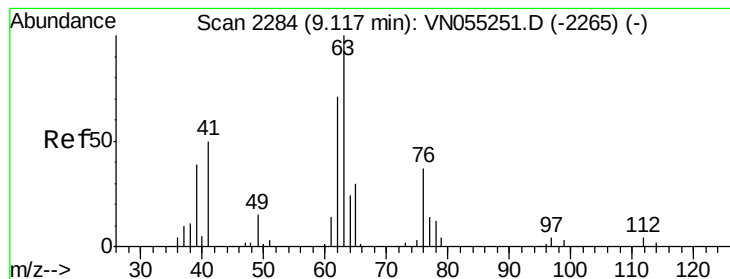
Tot Ion:130 Resp: 437183
 Ion Ratio Lower Upper
 130 100
 95 102.5 79.9 119.9



#38
 Methylcyclohexane
 Concen: 91.903 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 83 Resp: 636754
 Ion Ratio Lower Upper
 83 100
 55 84.2 43.8 131.4
 98 45.1 22.4 67.2

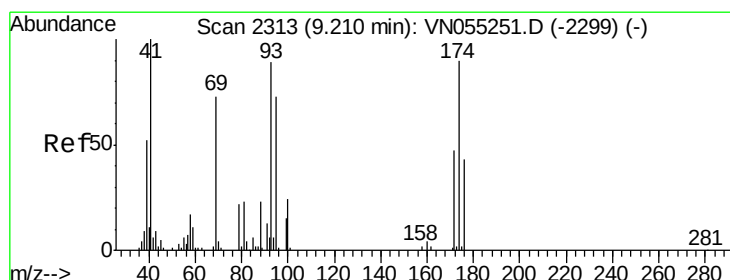
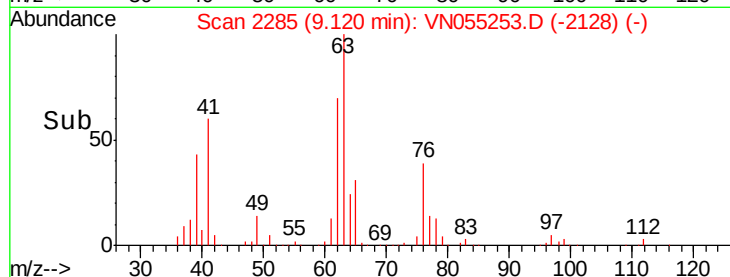
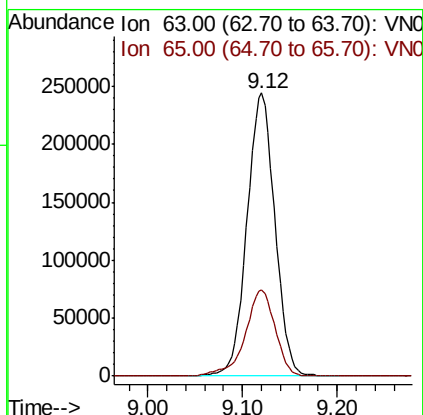
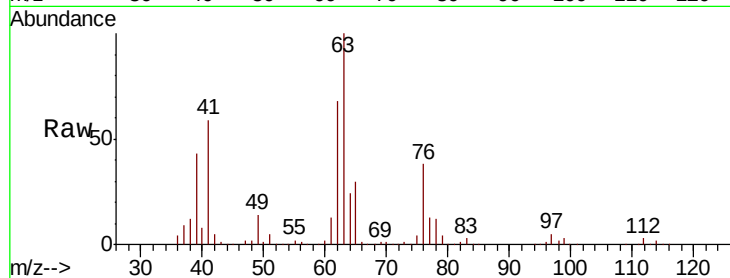




#39
 1,2-Dichloropropane
 Concen: 99.093 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

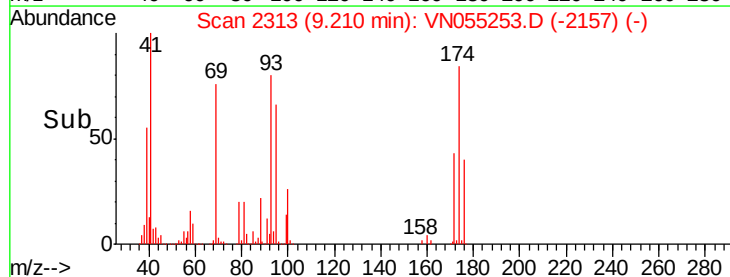
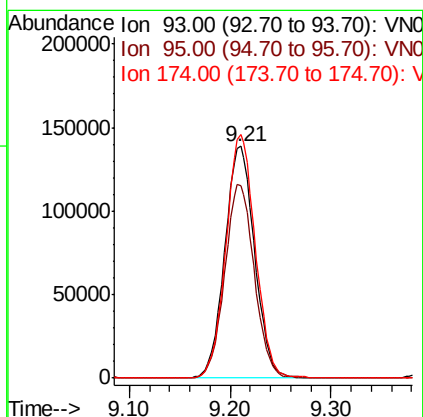
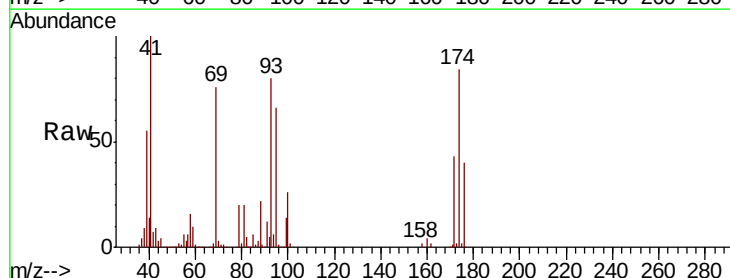
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

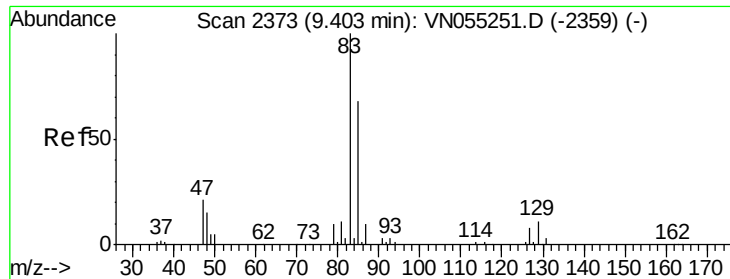
Tot Ion: 63 Resp: 501230
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 36.8



#40
 Dibromomethane
 Concen: 99.716 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 93 Resp: 286703
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 164.8
 174 103.0 0.0 203.4





#41

Bromodichloromethane

Concen: 102.298 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

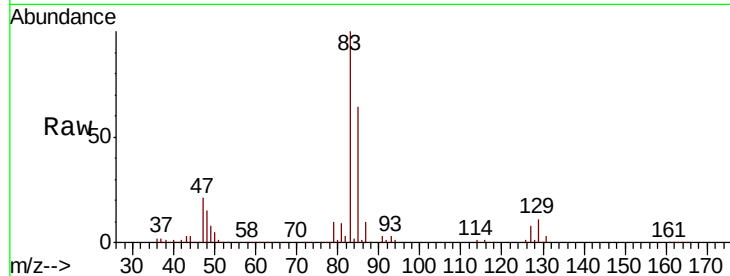
Tot Ion: 83 Resp: 603185

Ion Ratio Lower Upper

83 100

85 63.6 54.5 81.7

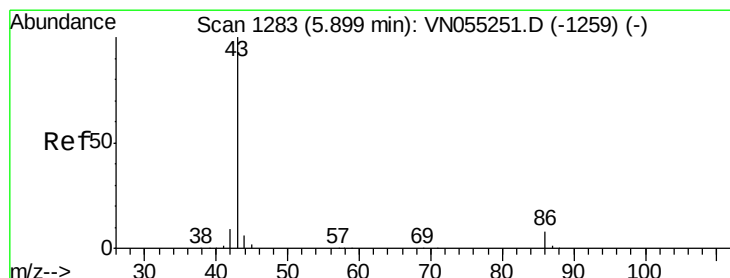
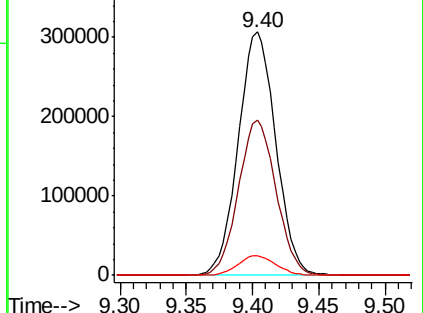
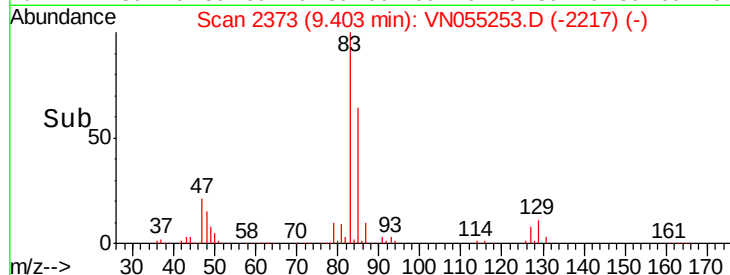
127 8.0 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 557.185 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055253.D

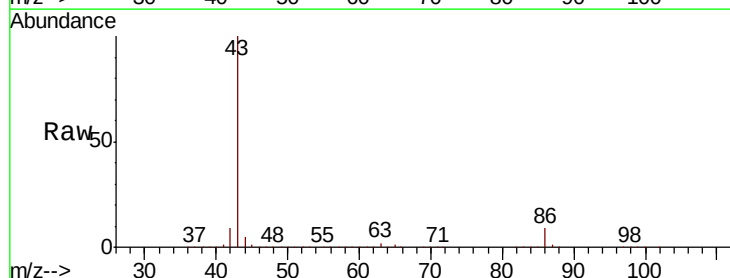
Acq: 25 Apr 2019 19:15

Tgt Ion: 43 Resp: 5914068

Ion Ratio Lower Upper

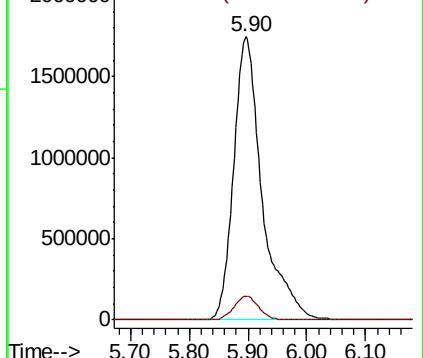
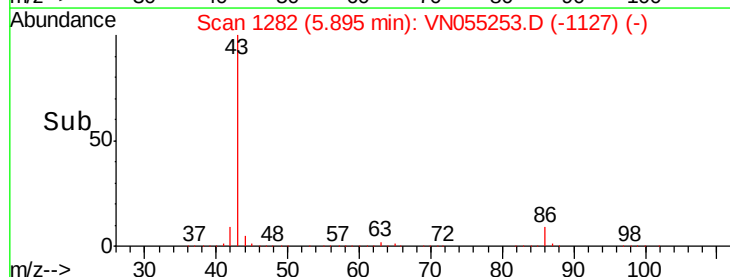
43 100

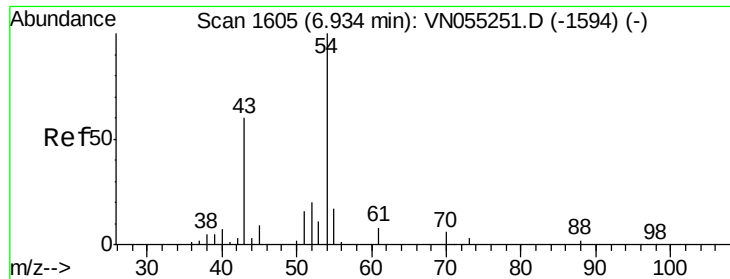
86 7.3 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 115.549 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

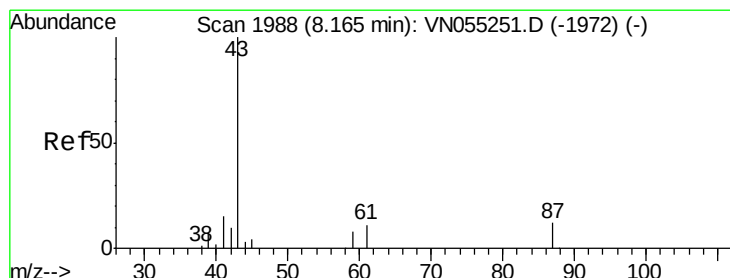
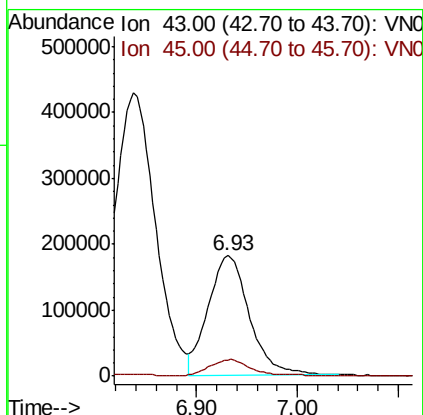
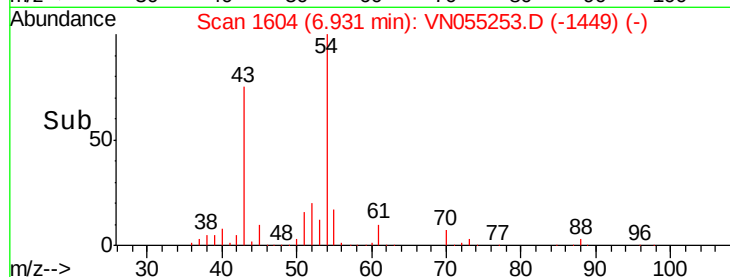
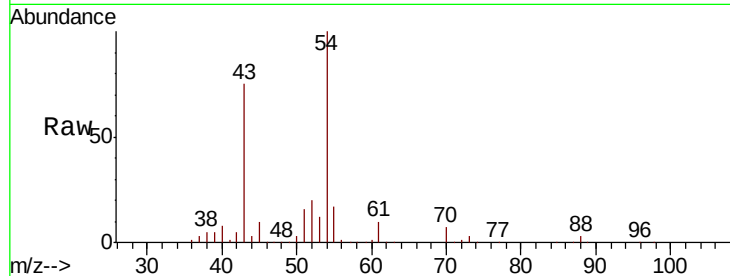
VSTDIC100

Tot Ion: 43 Resp: 512440

Ion Ratio Lower Upper

43 100

45 14.3 9.6 14.4



#44

Isopropyl Acetate

Concen: 120.662 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055253.D

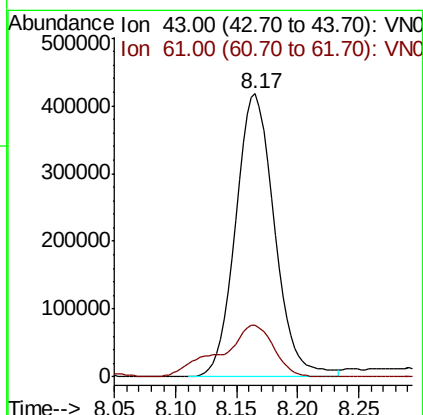
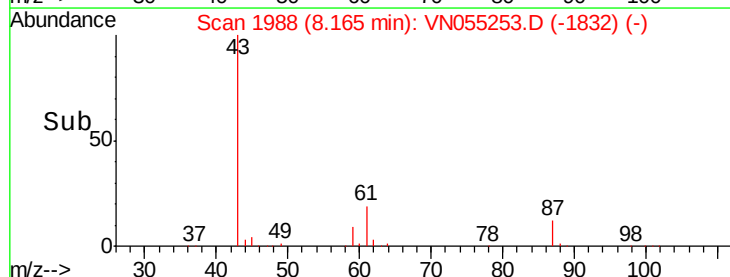
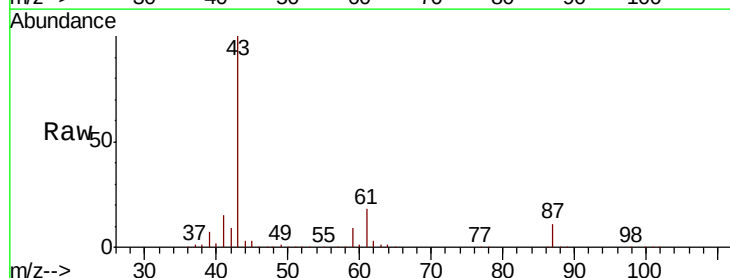
Acq: 25 Apr 2019 19:15

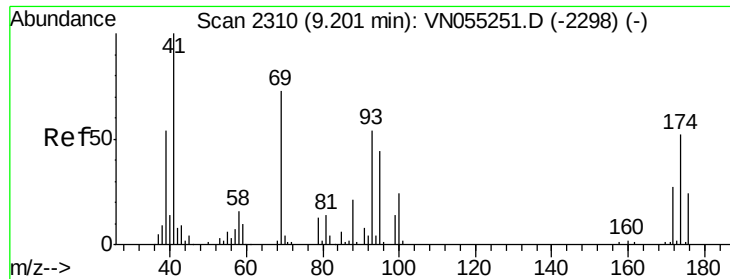
Tgt Ion: 43 Resp: 920287

Ion Ratio Lower Upper

43 100

61 17.9 12.6 18.8





#45

1,4-Dioxane

Concen: 2441.729 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

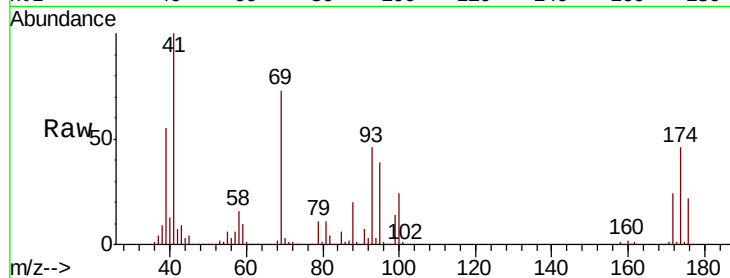
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 100627

Ion	Ratio	Lower	Upper
88	100		
43	40.4	29.4	44.0
58	78.0	62.4	93.6

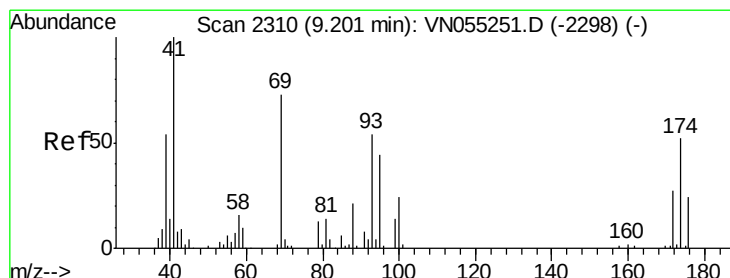
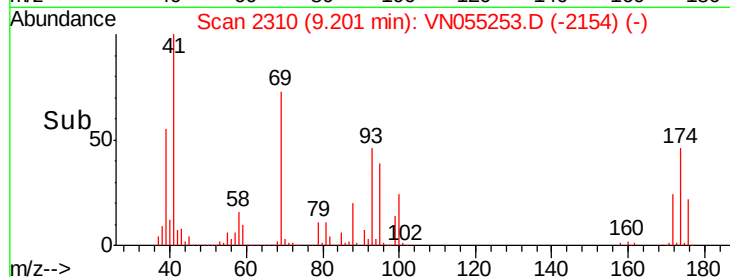
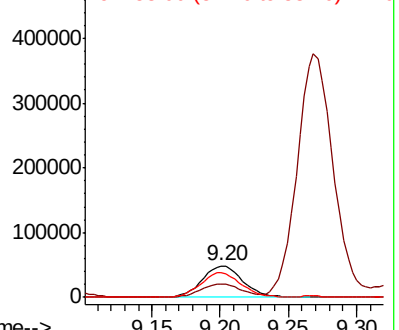


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 118.302 ug/l

RT: 9.20 min Scan# 2310

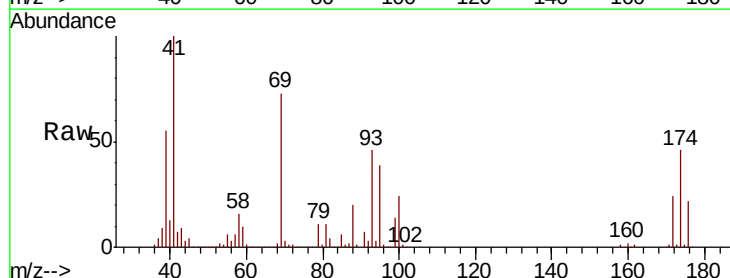
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion: 41 Resp: 455855

Ion	Ratio	Lower	Upper
41	100		
69	73.5	36.4	109.3
39	54.8	26.9	80.7

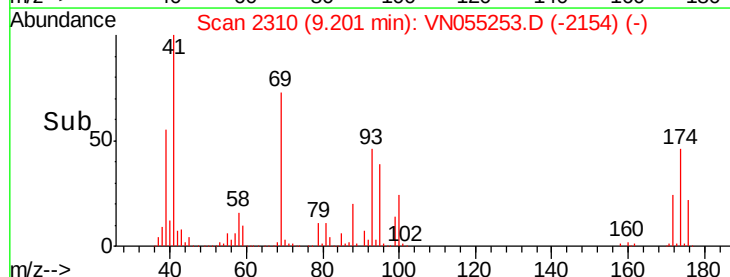
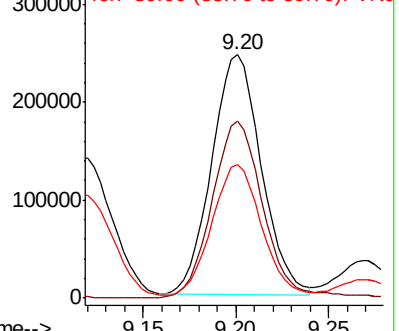


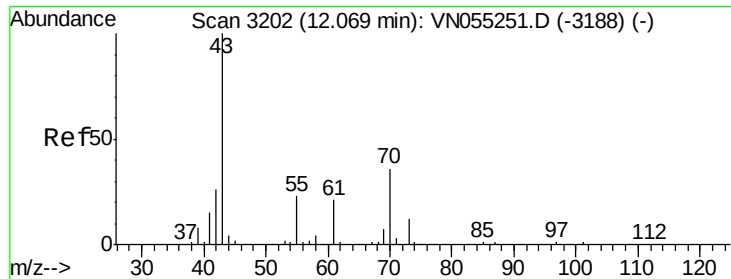
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 134.859 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

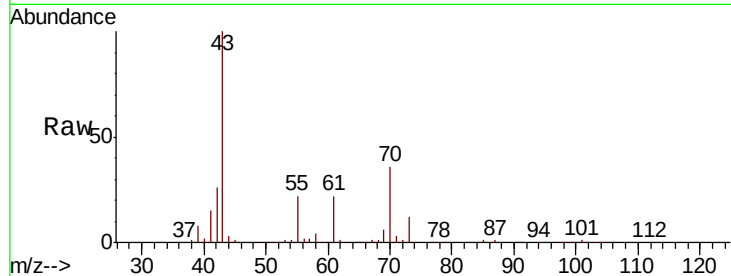
VSTDIC100

Tot Ion: 43 Resp: 737204

Ion Ratio Lower Upper

43 100

55 22.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

500000

400000

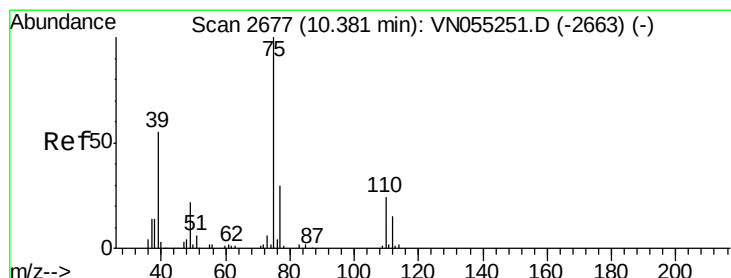
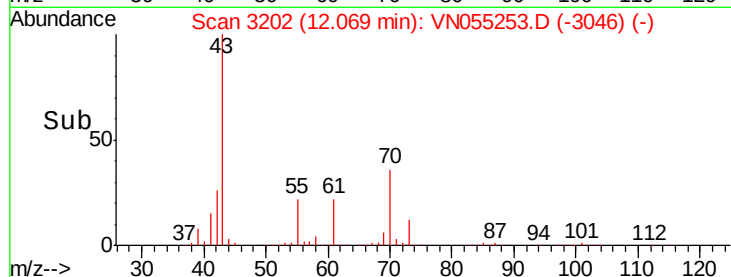
300000

200000

100000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 113.722 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055253.D

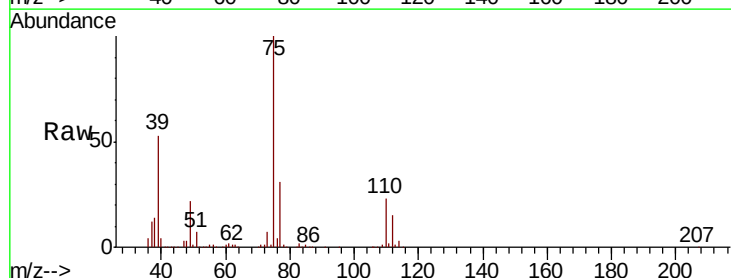
Acq: 25 Apr 2019 19:15

Tgt Ion: 75 Resp: 630269

Ion Ratio Lower Upper

75 100

77 31.2 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

400000

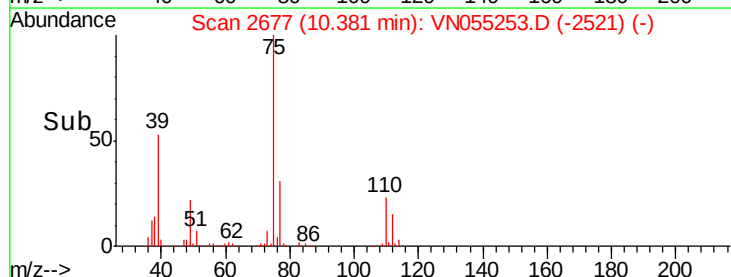
300000

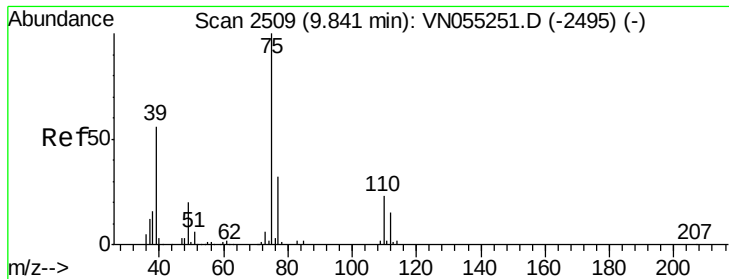
200000

100000

0

Time-->



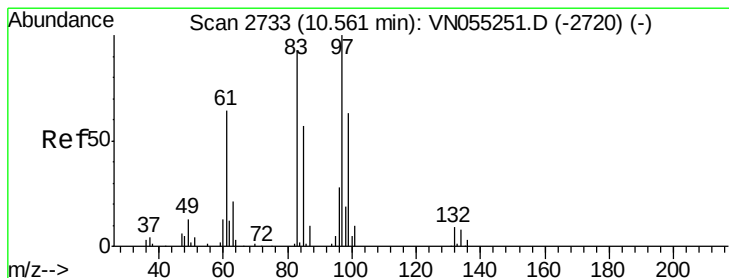
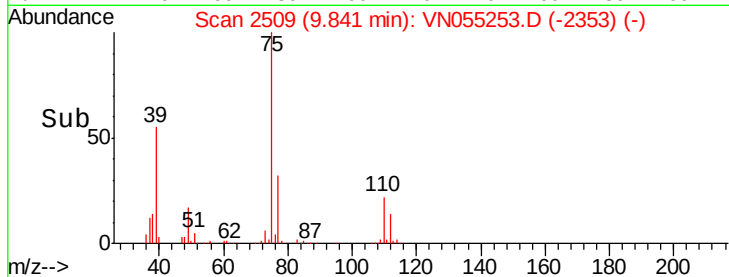
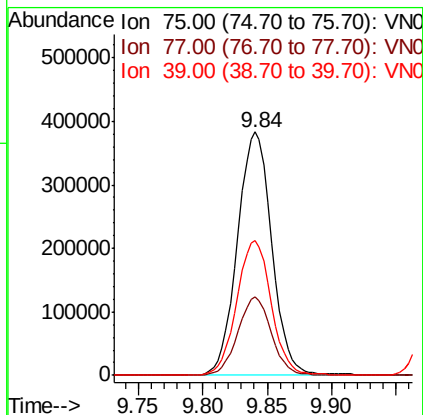
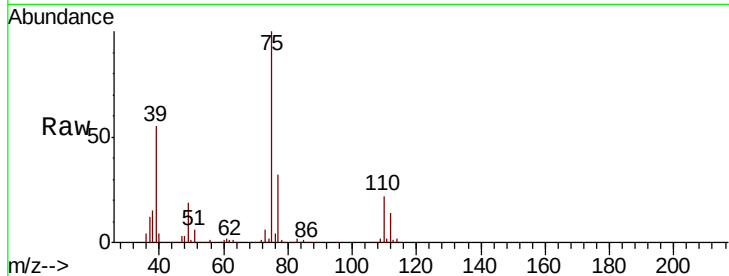


#49

cis-1,3-Dichloropropene
 Concen: 105.800 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

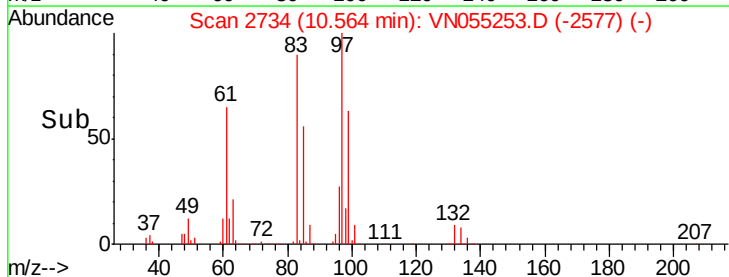
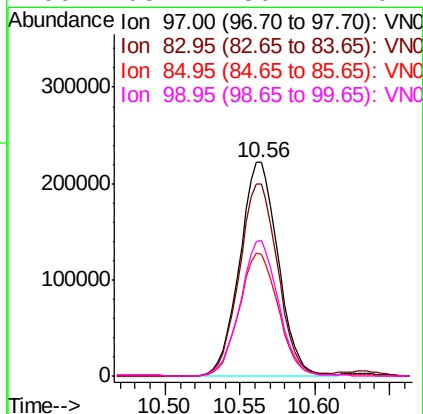
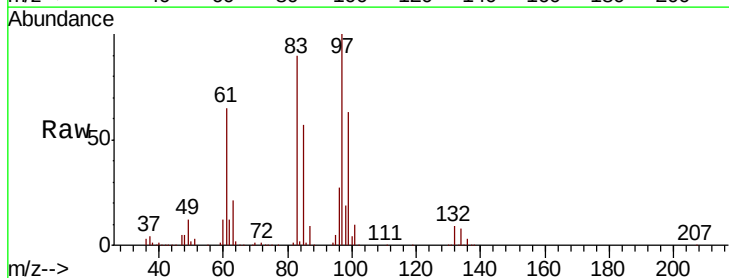
Tot Ion:	75	Resp:	710767
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.9	38.9
39	55.2	45.0	67.6

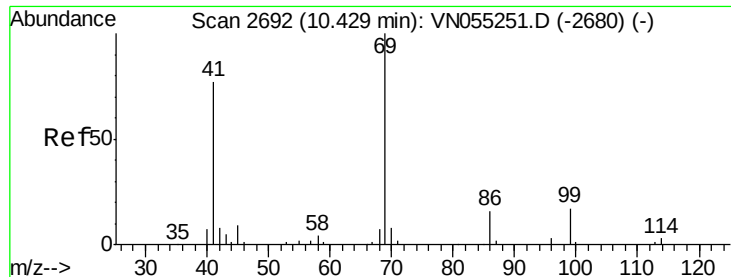


#50

1,1,2-Trichloroethane
 Concen: 101.357 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion:	97	Resp:	396861
Ion	Ratio	Lower	Upper
97	100		
83	89.9	74.6	111.8
85	56.8	45.4	68.2
99	63.2	50.7	76.1





#51

Ethyl methacrylate

Concen: 119.151 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

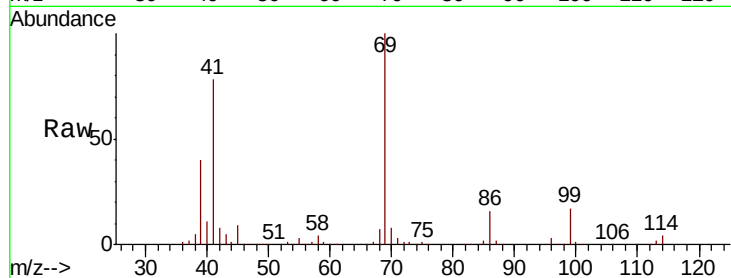
Tot Ion: 69 Resp: 571762

Ion Ratio Lower Upper

69 100

41 78.2 38.7 116.1

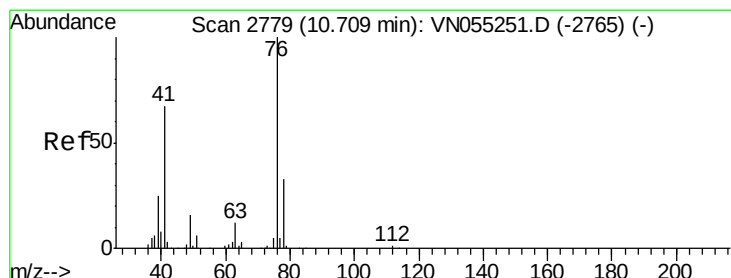
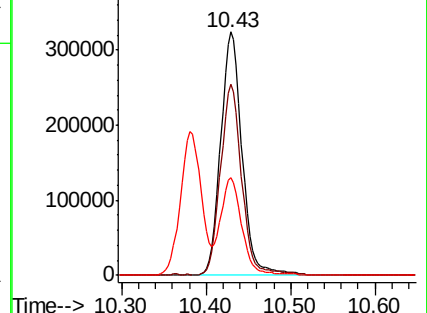
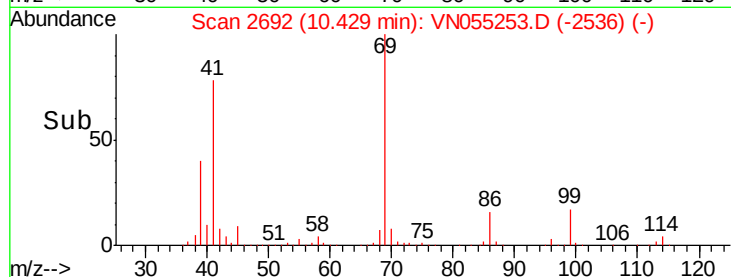
39 39.7 19.9 59.6



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: 103.658 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055253.D

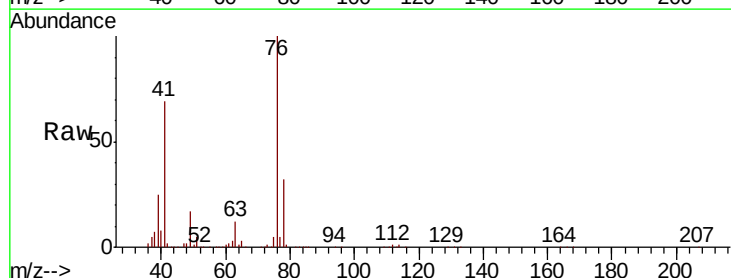
Acq: 25 Apr 2019 19:15

Tgt Ion: 76 Resp: 709475

Ion Ratio Lower Upper

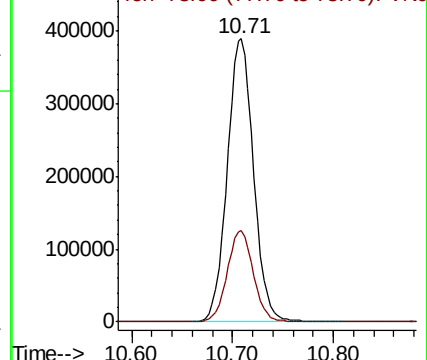
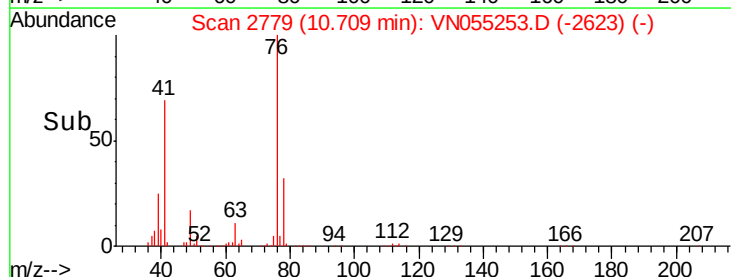
76 100

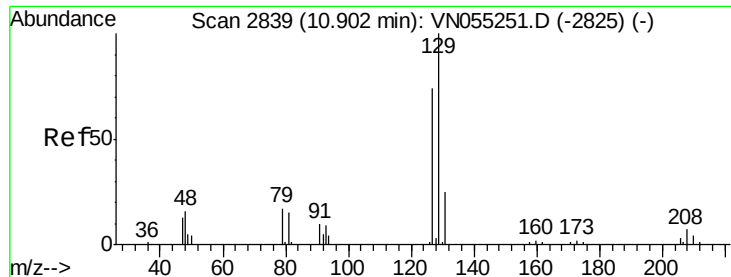
78 32.1 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 108.338 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

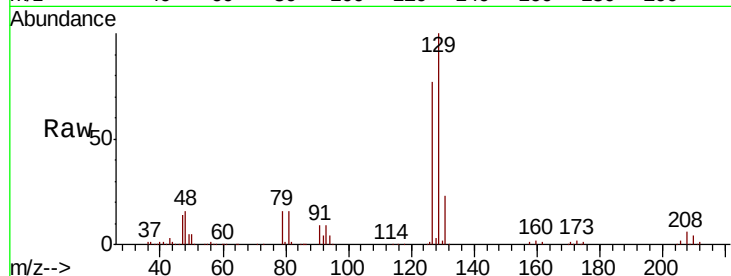
VSTDIC100

Tot Ion:129 Resp: 436898

Ion Ratio Lower Upper

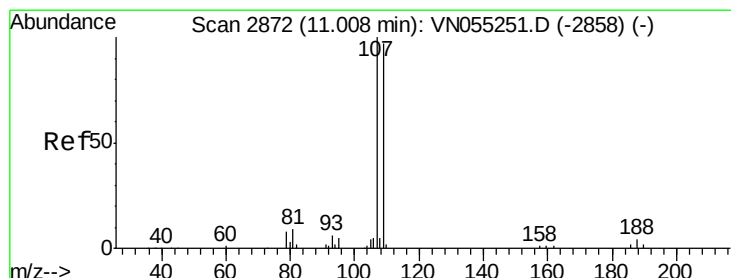
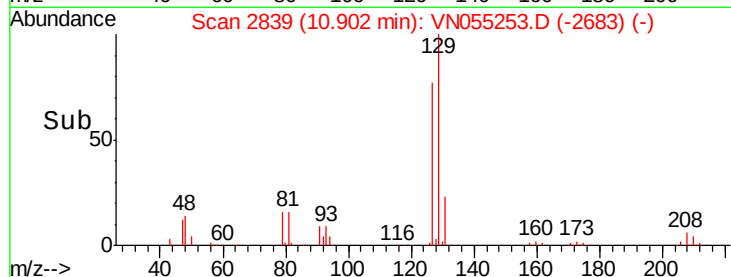
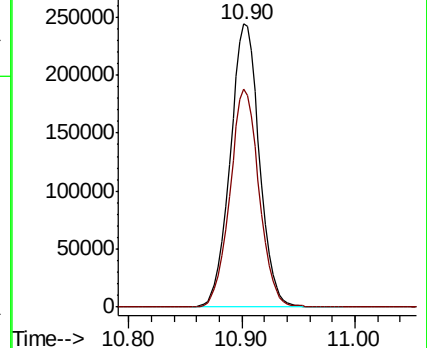
129 100

127 76.7 38.8 116.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 106.677 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055253.D

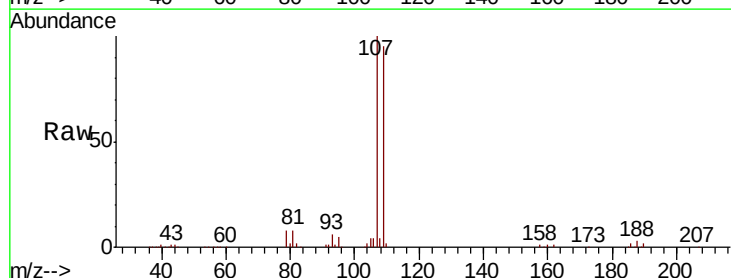
Acq: 25 Apr 2019 19:15

Tgt Ion:107 Resp: 395209

Ion Ratio Lower Upper

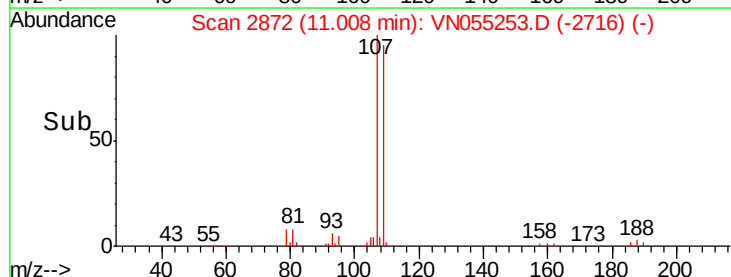
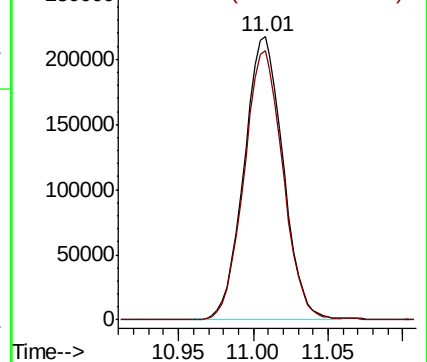
107 100

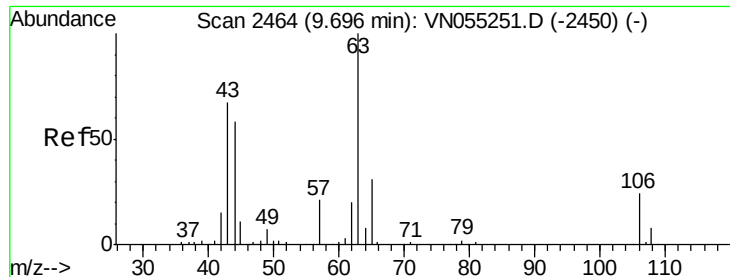
109 95.0 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

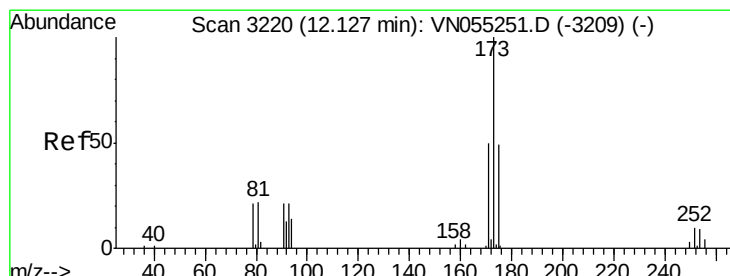
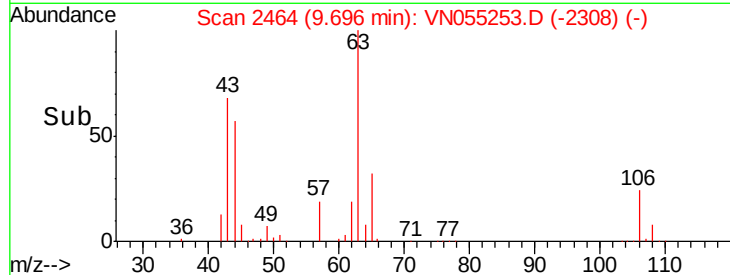
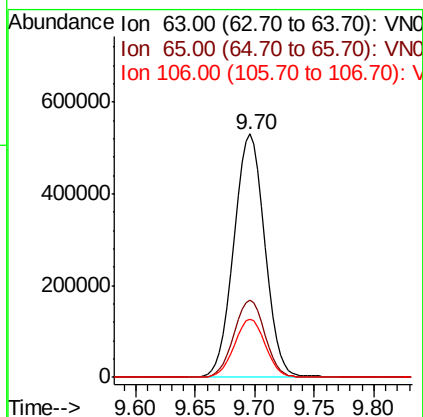
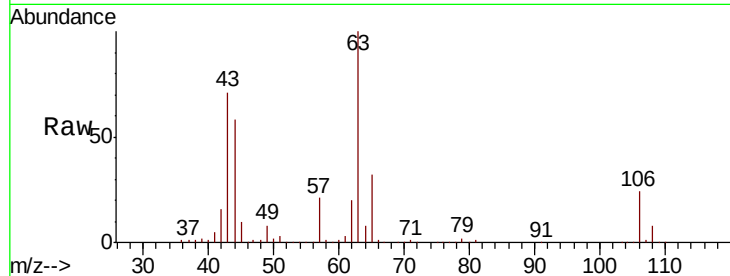




#55
2-Chloroethyl vinyl ether
Concen: 517.970 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

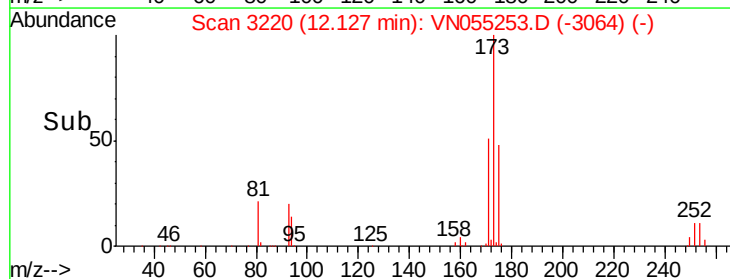
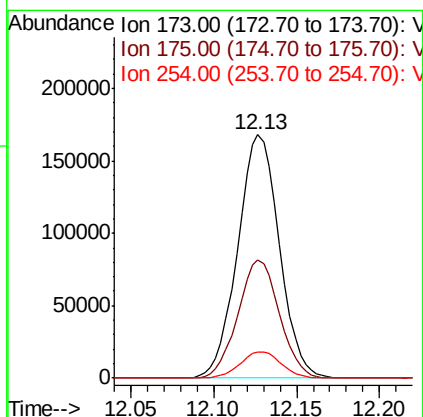
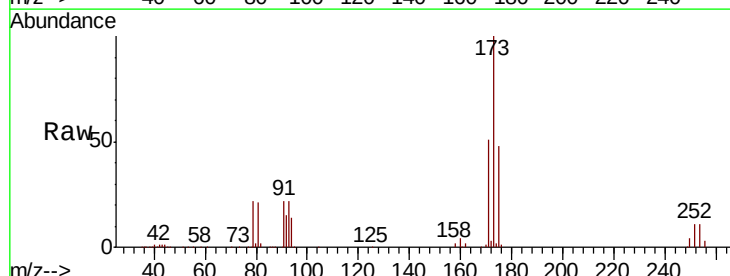
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

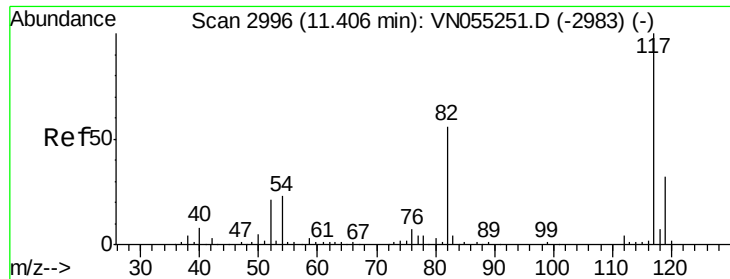
Tot Ion: 63 Resp: 959017
Ion Ratio Lower Upper
63 100
65 31.8 25.1 37.7
106 23.9 19.4 29.0



#56
Bromoform
Concen: 113.508 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 173 Resp: 293057
Ion Ratio Lower Upper
173 100
175 48.5 37.7 56.5
254 10.7 7.8 11.6

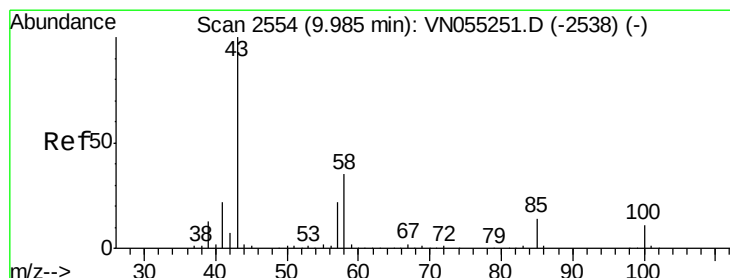
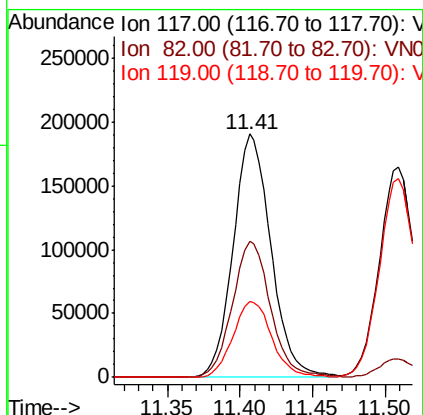
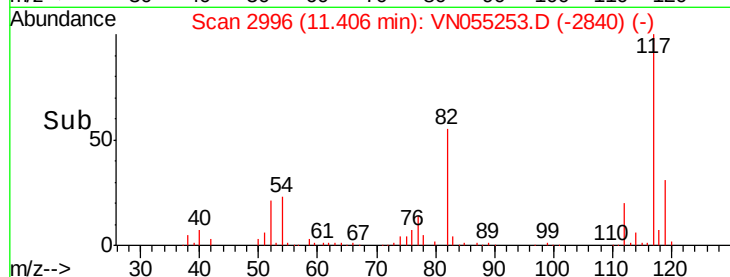
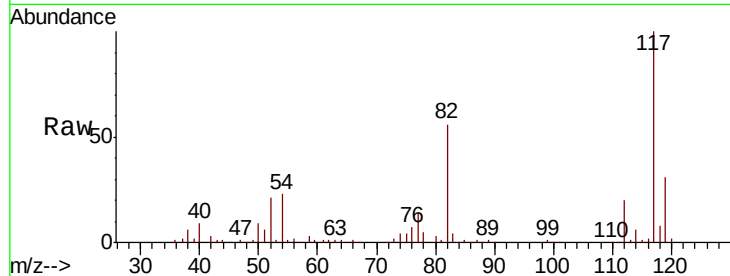




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

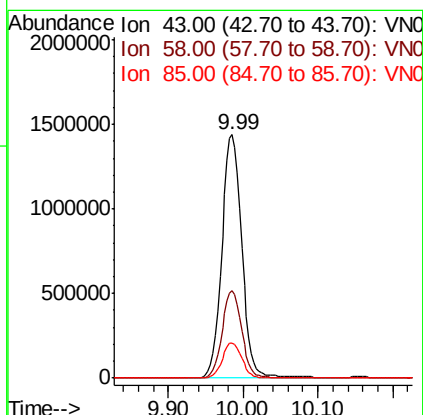
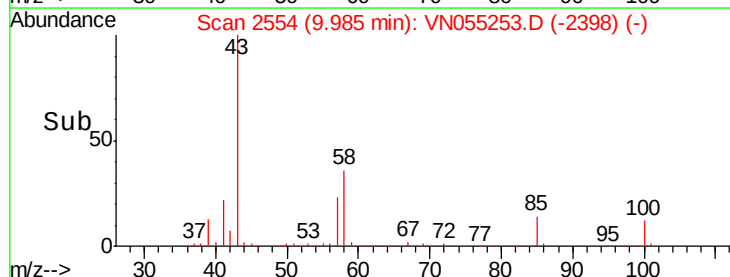
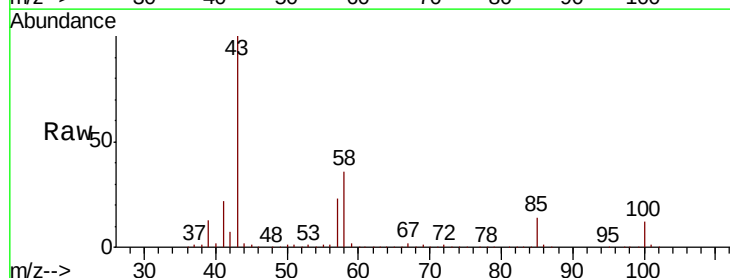
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

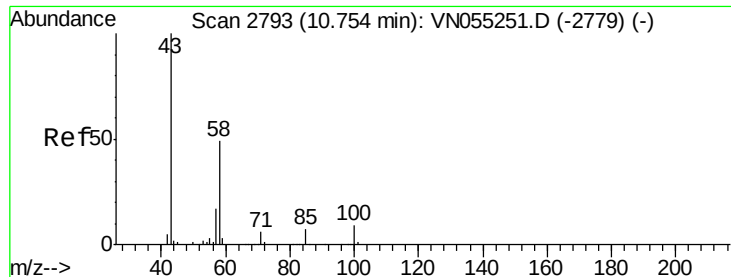
Tot Ion:117 Resp: 345555
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.0 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 610.142 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 43 Resp: 2642806
Ion Ratio Lower Upper
43 100
58 35.4 28.6 43.0
85 14.2 11.4 17.2

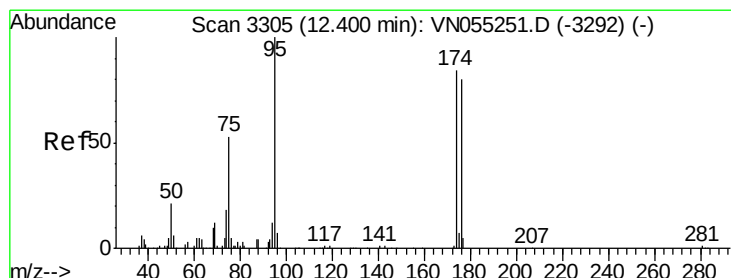
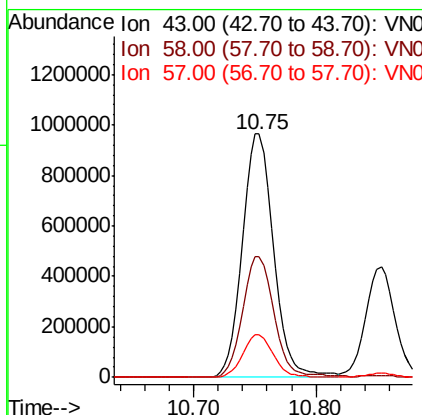
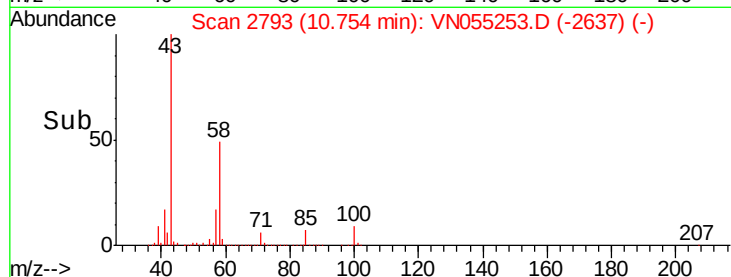
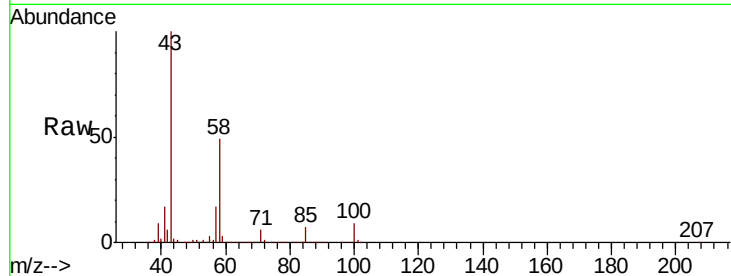




#59
2-Hexanone
Concen: 620.679 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

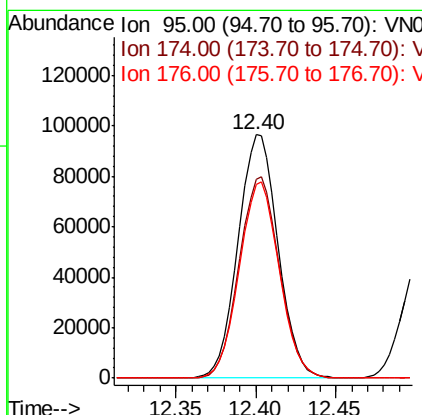
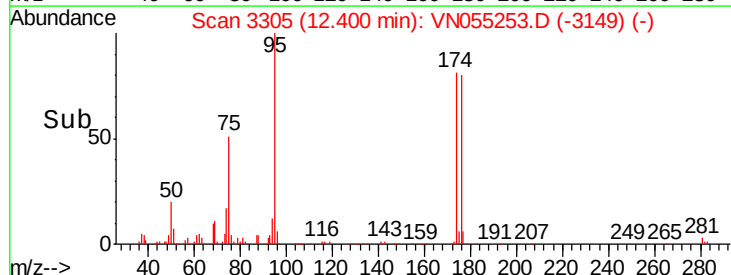
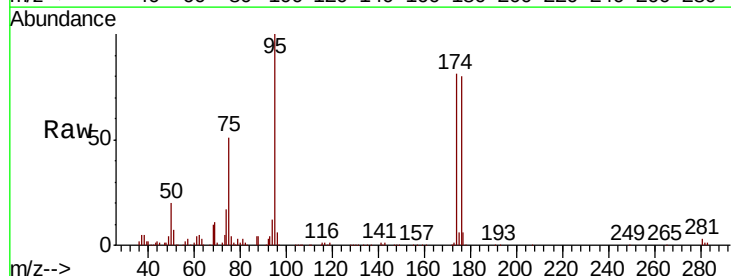
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

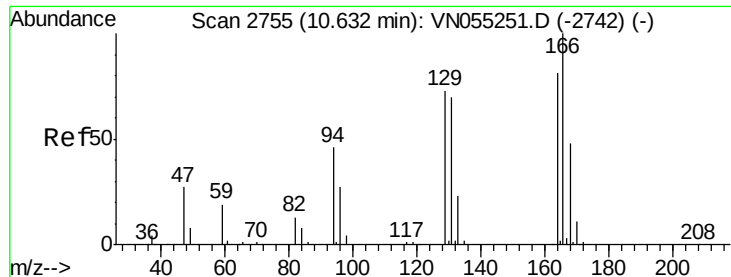
Tot Ion: 43 Resp: 1696572
Ion Ratio Lower Upper
43 100
58 49.9 39.0 58.6
57 17.4 13.4 20.2



#60
4-Bromofluorobenzene
Concen: 620.679 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 95 Resp: 164659
Ion Ratio Lower Upper
95 100
174 83.4 68.1 102.1
176 80.8 65.8 98.6





#61

Tetrachloroethene

Concen: 90.469 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 410390

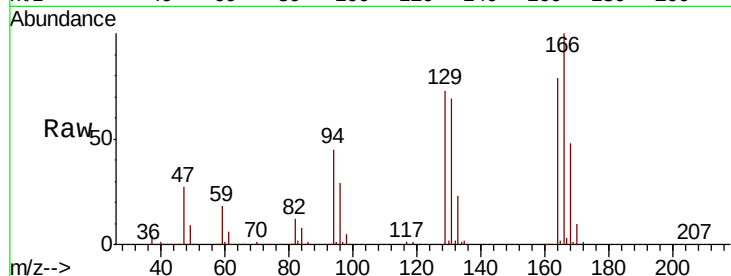
Ion Ratio Lower Upper

164 100

166 126.2 98.6 147.8

129 91.5 72.4 108.6

131 87.3 69.2 103.8

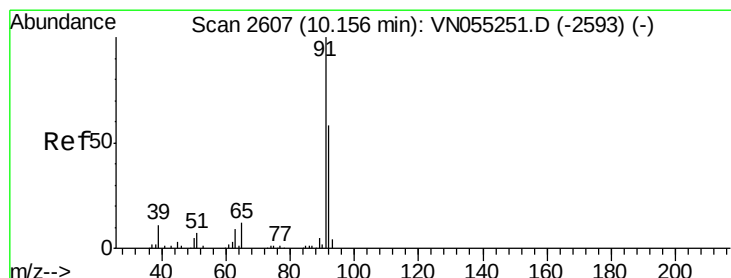
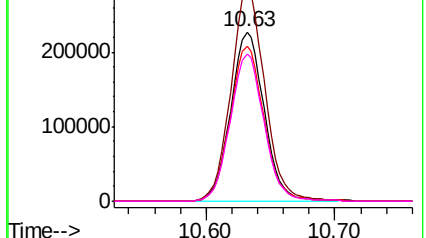
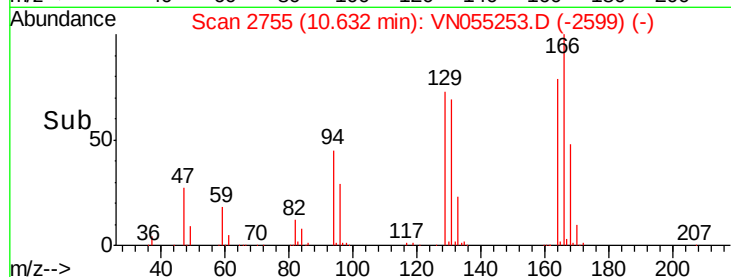


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 94.715 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055253.D

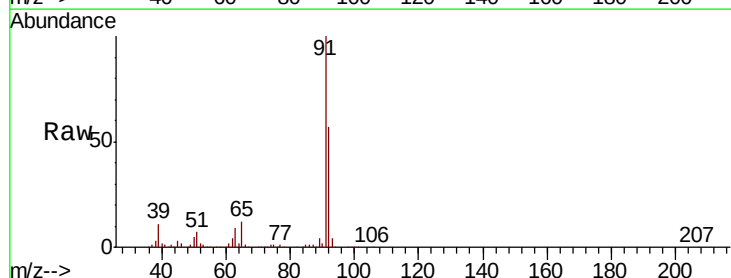
Acq: 25 Apr 2019 19:15

Tgt Ion: 91 Resp: 1822994

Ion Ratio Lower Upper

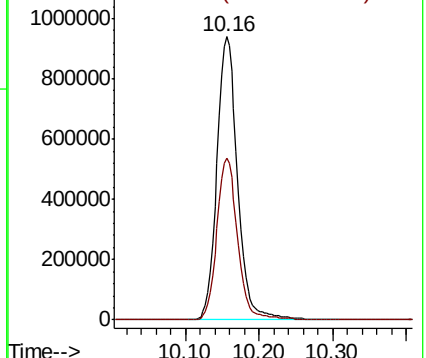
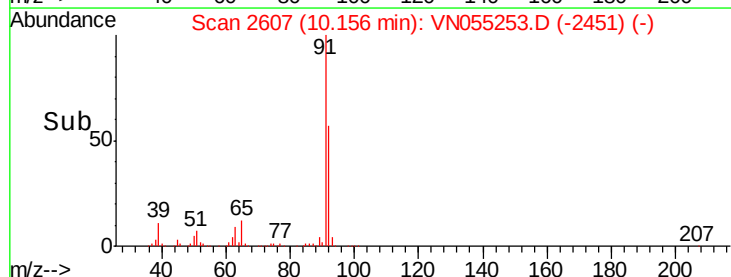
91 100

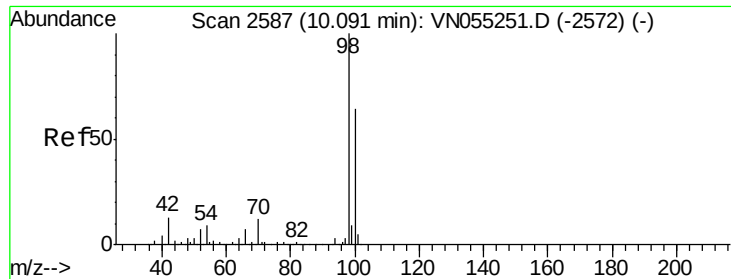
92 57.5 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 94.715 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

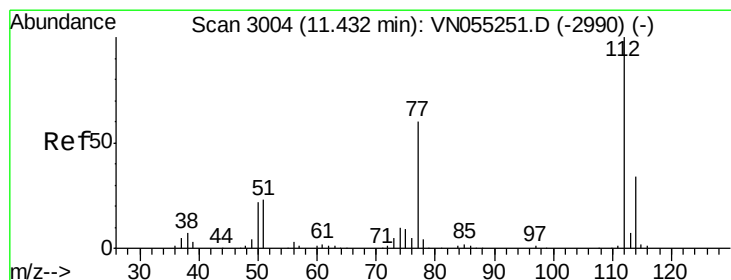
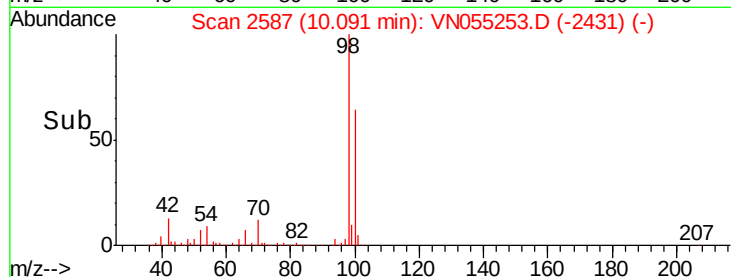
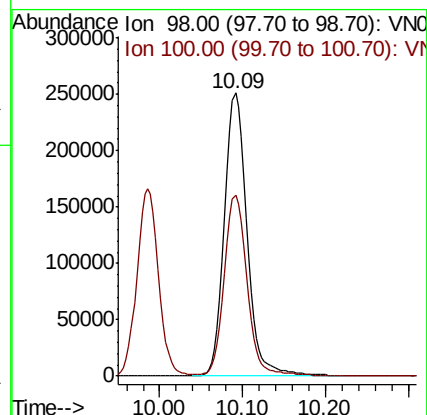
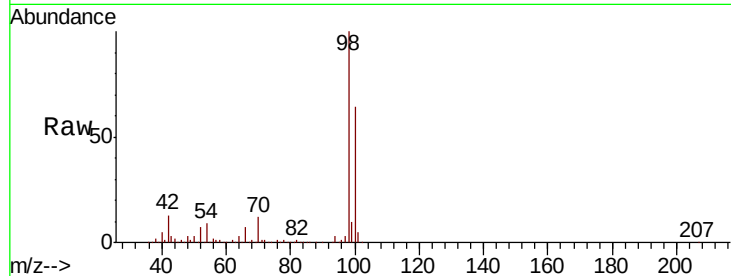
VSTDIC100

Tot Ion: 98 Resp: 476671

Ion Ratio Lower Upper

98 100

100 62.3 50.0 75.0



#64

Chlorobenzene

Concen: 97.111 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055253.D

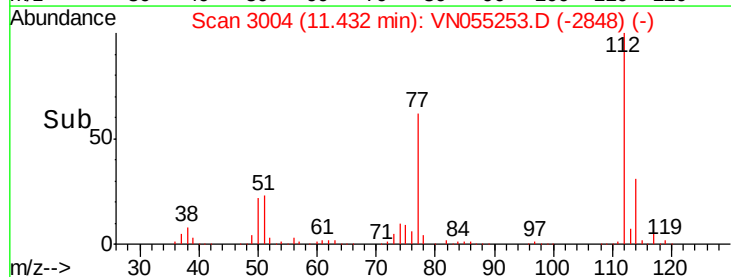
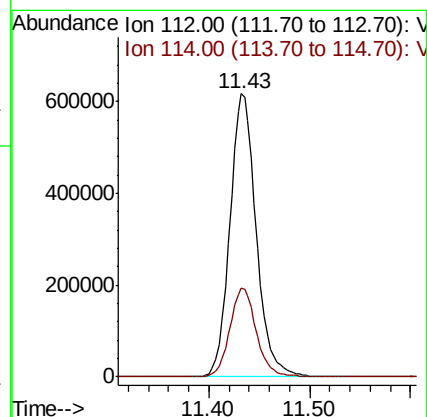
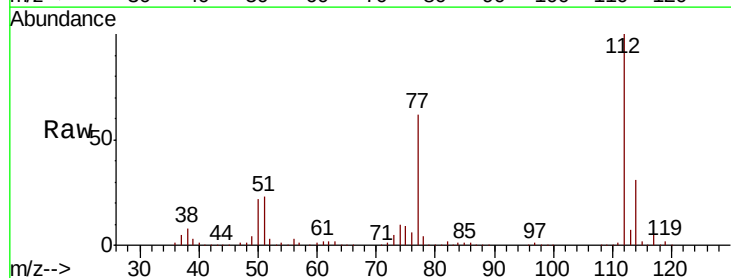
Acq: 25 Apr 2019 19:15

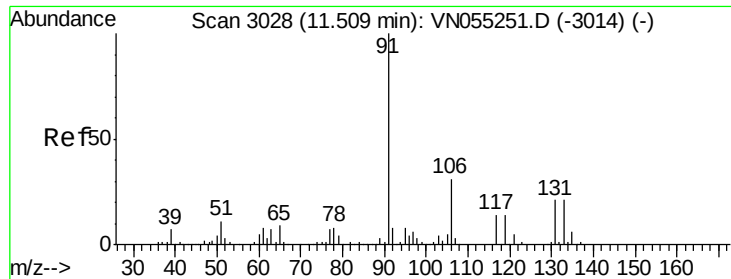
Tgt Ion: 112 Resp: 1121881

Ion Ratio Lower Upper

112 100

114 31.2 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 99.363 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

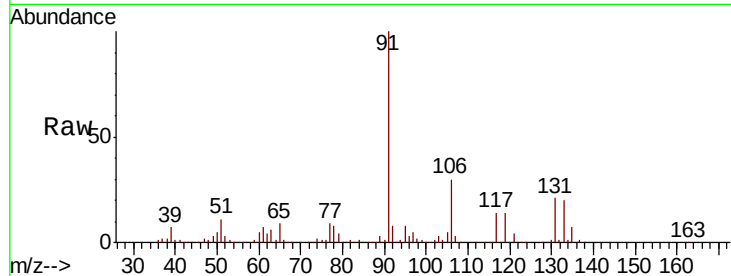
Tot Ion:131 Resp: 414006

Ion Ratio Lower Upper

131 100

133 96.3 0.0 195.6

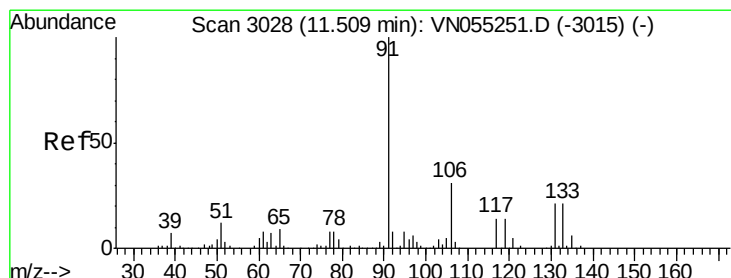
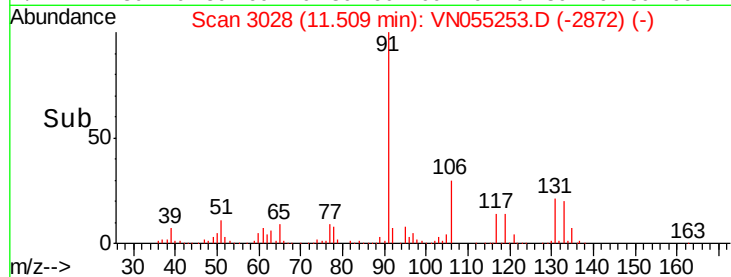
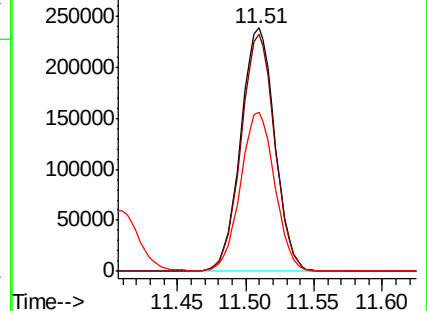
119 65.7 0.0 135.0



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: 97.650 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055253.D

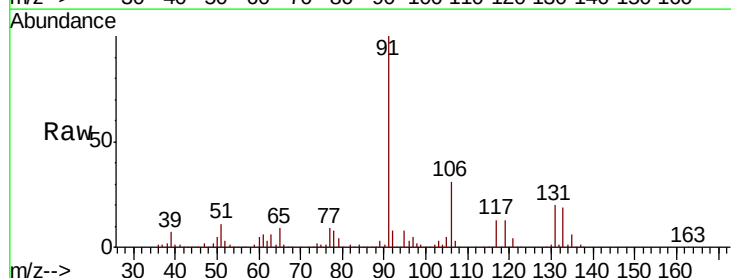
Acq: 25 Apr 2019 19:15

Tgt Ion: 91 Resp: 2008267

Ion Ratio Lower Upper

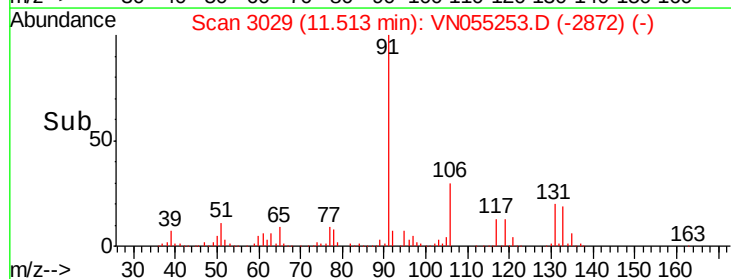
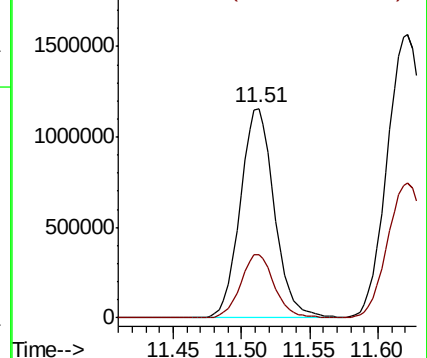
91 100

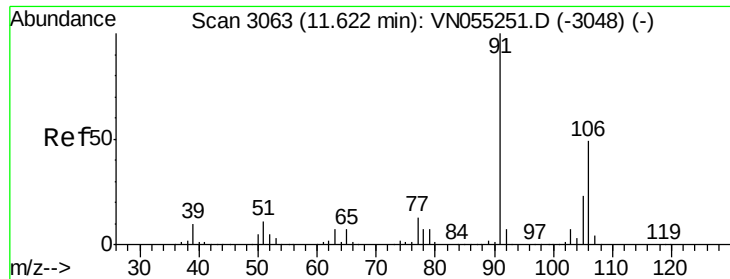
106 30.5 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

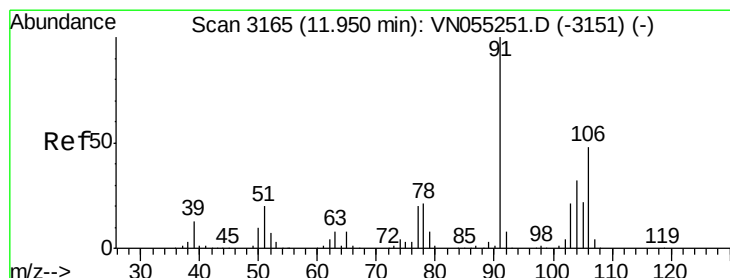
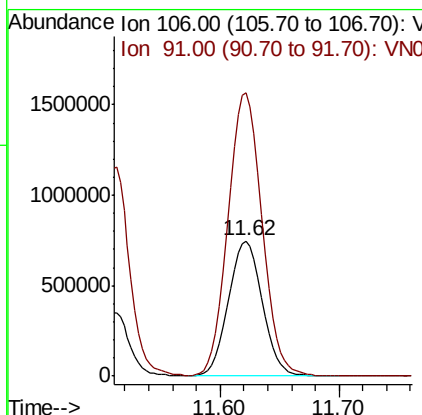
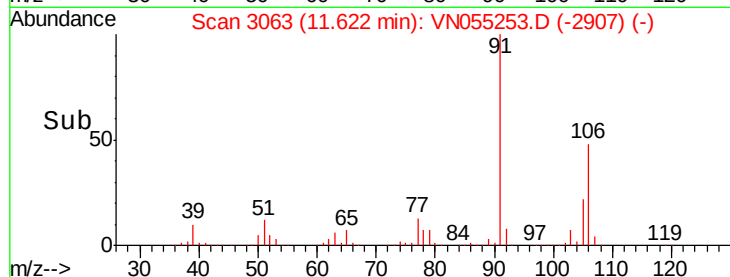
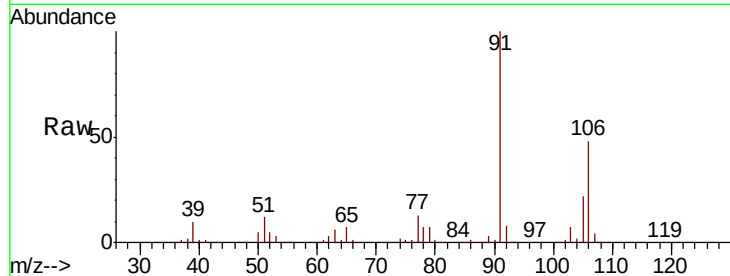




#67
m/p-Xylenes
Concen: 193.572 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

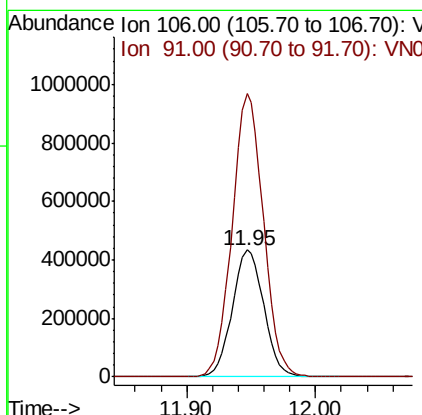
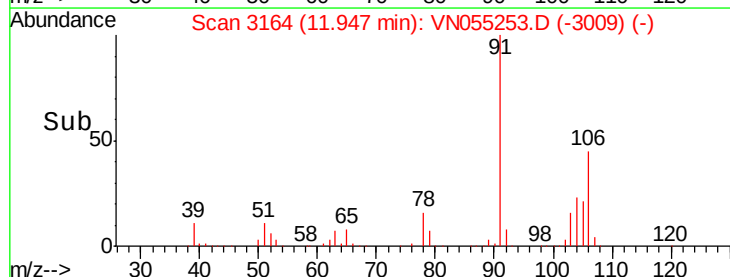
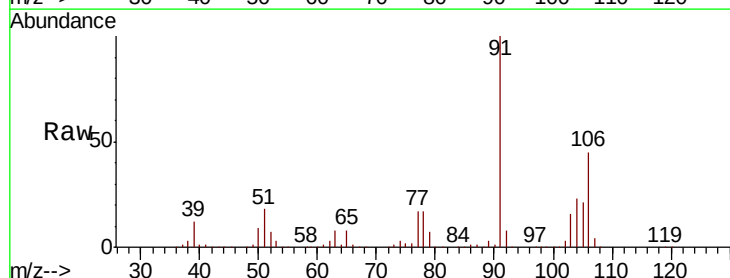
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

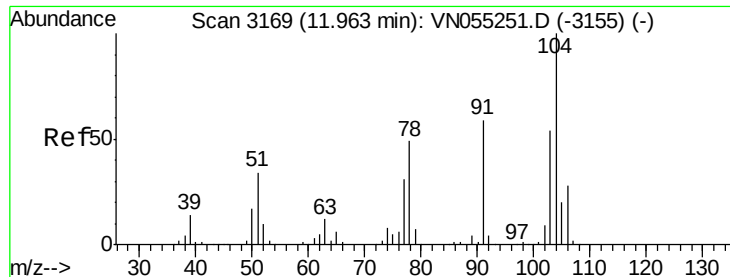
Tot Ion:106 Resp: 1476846
Ion Ratio Lower Upper
106 100
91 210.1 165.4 248.2



#68
o-Xylene
Concen: 96.698 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion:106 Resp: 734470
Ion Ratio Lower Upper
106 100
91 221.3 106.8 320.4

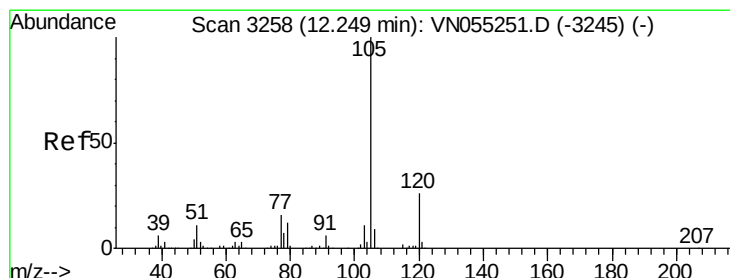
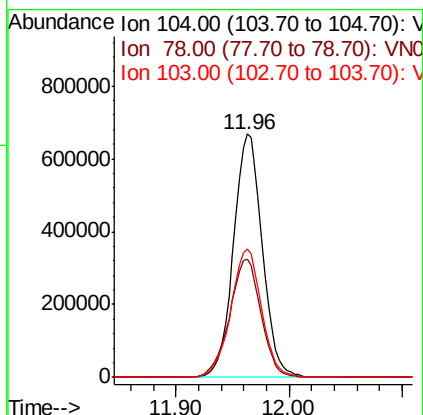
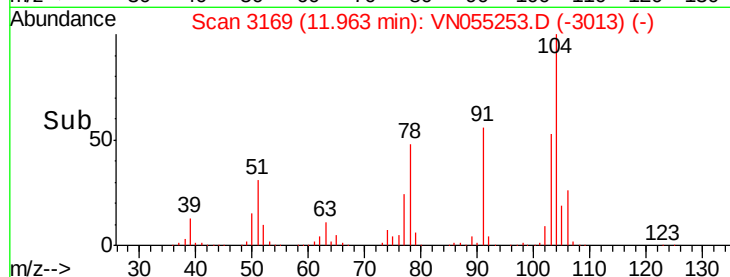
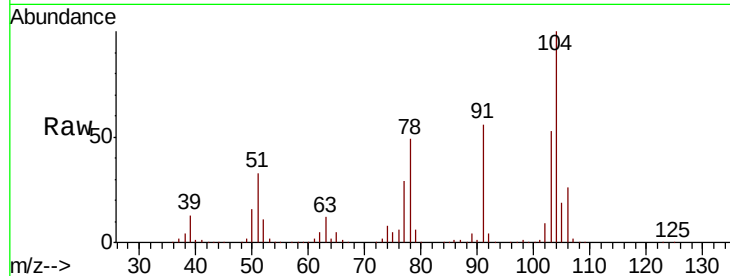




#69
Stvrene
Concen: 100.889 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

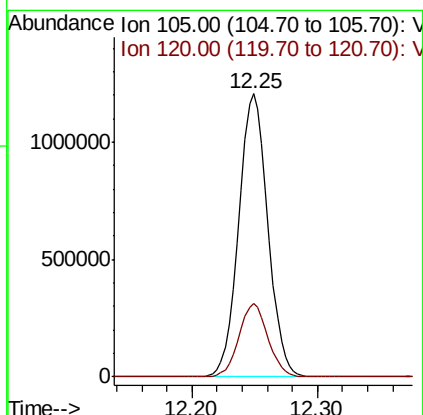
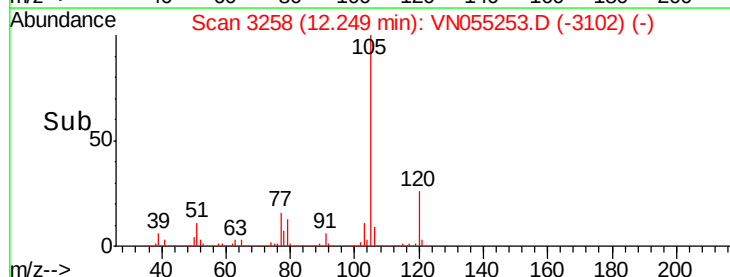
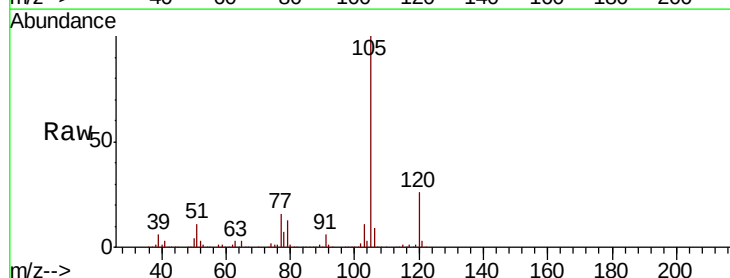
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

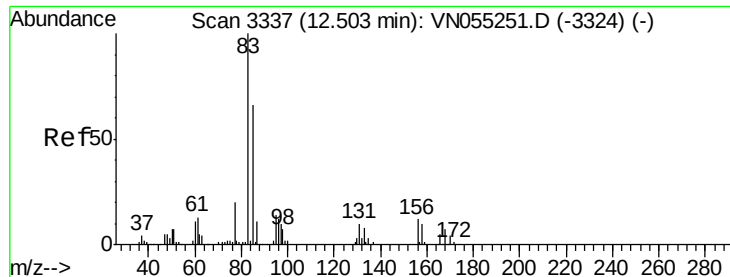
Tot Ion:104 Resp: 1180768
Ion Ratio Lower Upper
104 100
78 52.9 42.4 63.6
103 56.3 45.3 67.9



#70
Isopropylbenzene
Concen: 96.258 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion:105 Resp: 1940950
Ion Ratio Lower Upper
105 100
120 25.8 18.1 33.7

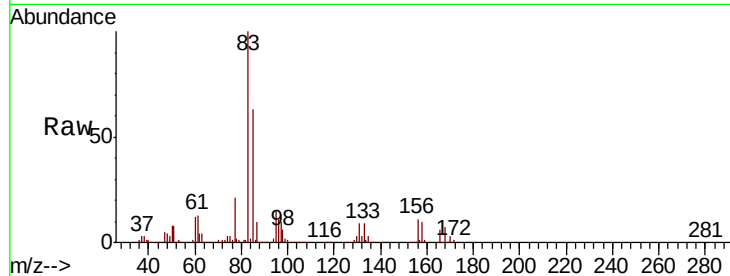




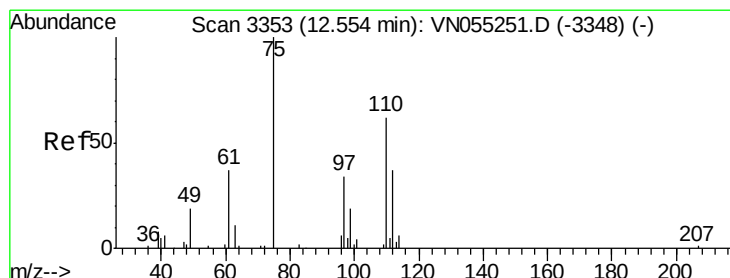
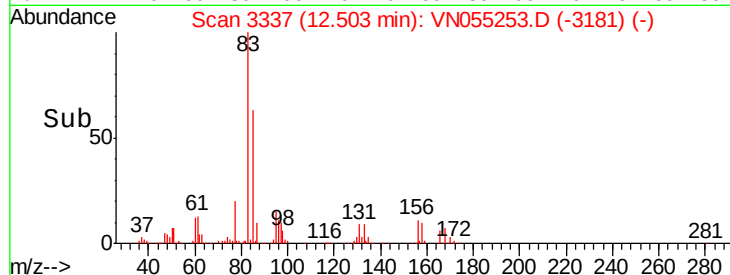
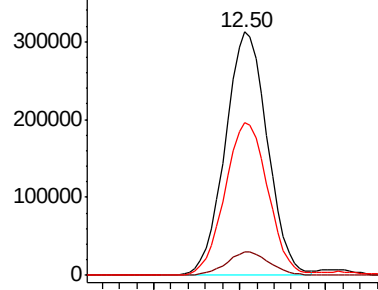
#71
 1,1,2,2-Tetrachloroethane
 Concen: 110.569 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	530454
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	63.9	32.3	96.8

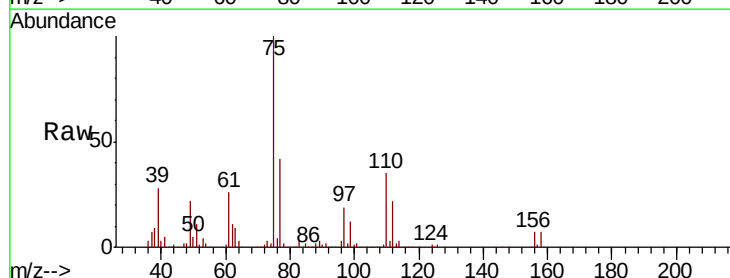


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

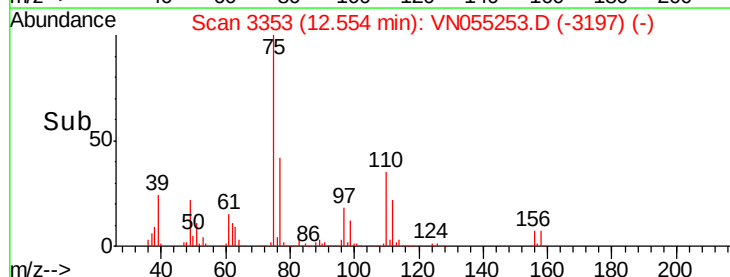
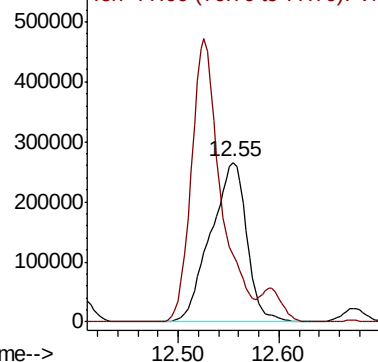


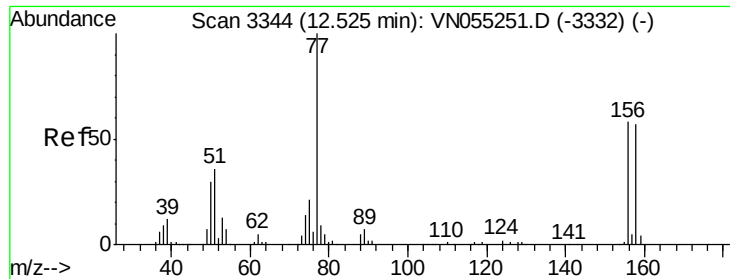
#72
 1,2,3-Trichloropropane
 Concen: 166.204 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	75	Resp	657569
Ion Ratio	Lower	Upper	
75	100		
77	146.5	0.0	410.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 98.947 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

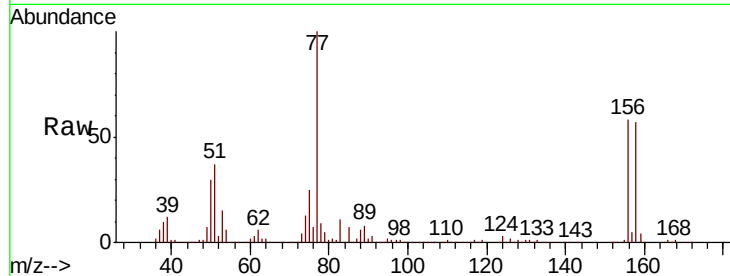
Tot Ion:156 Resp: 470957

Ion Ratio Lower Upper

156 100

77 204.5 0.0 403.2

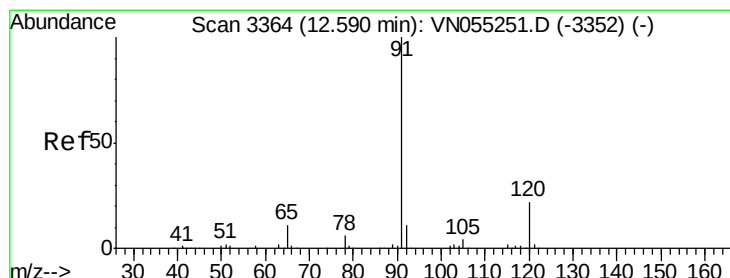
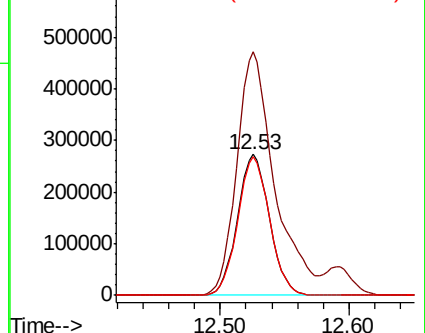
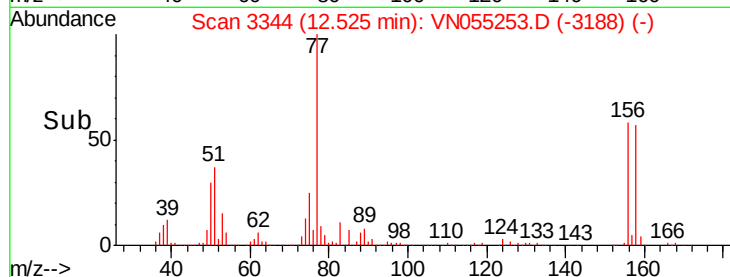
158 97.6 0.0 195.8



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: 99.104 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055253.D

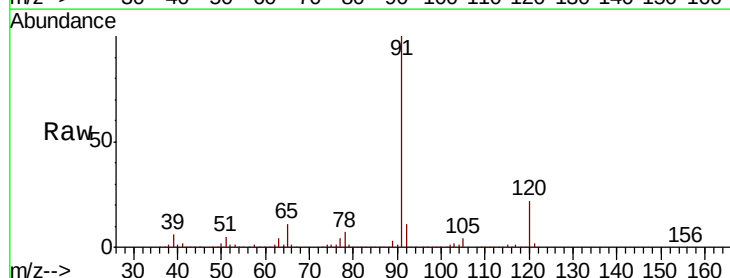
Acq: 25 Apr 2019 19:15

Tgt Ion: 91 Resp: 2226055

Ion Ratio Lower Upper

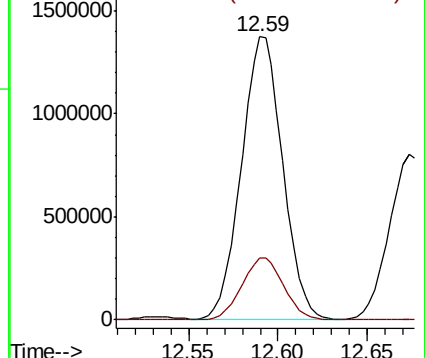
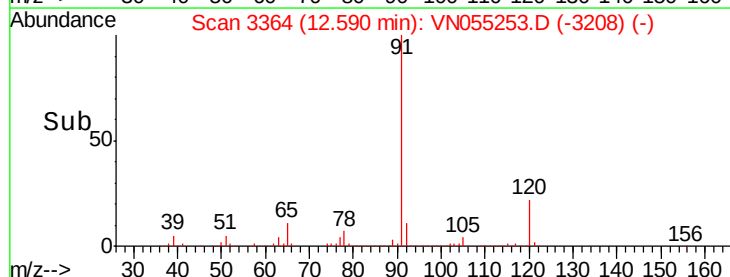
91 100

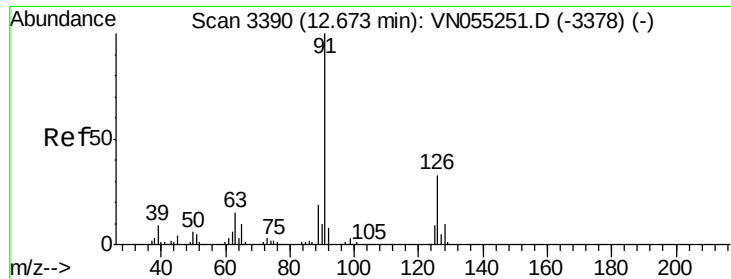
120 22.0 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 98.753 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

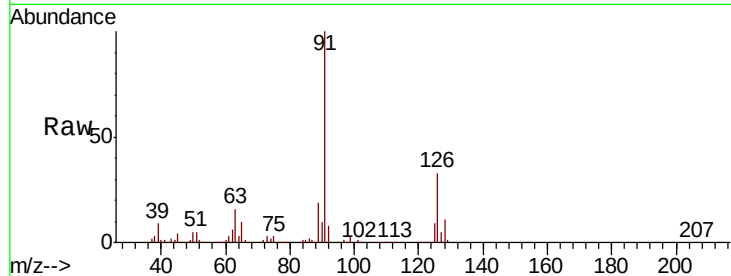
VSTDIC100

Tot Ion: 91 Resp: 1344584

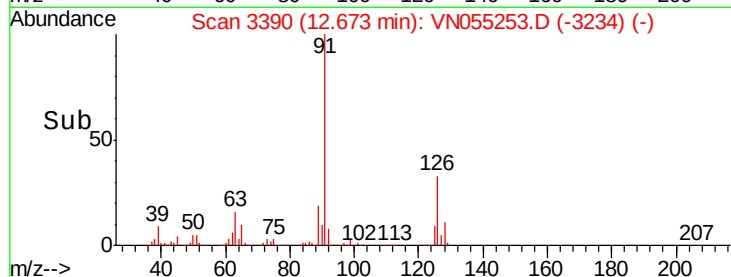
Ion Ratio Lower Upper

91 100

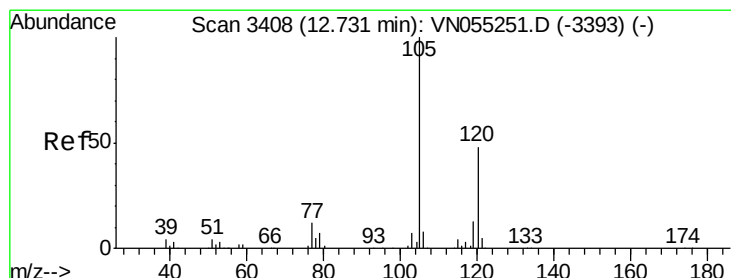
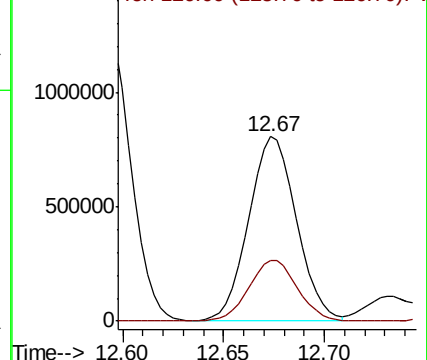
126 33.3 0.0 65.8



Abundance Ion 91.00 (90.70 to 91.70): VN055253.D (-3234) (-)



Ion 126.00 (125.70 to 126.70): VN055253.D (-3234) (-)



#76

1,3,5-Trimethylbenzene

Concen: 98.911 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055253.D

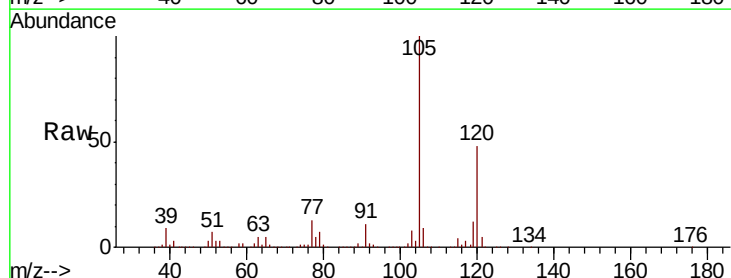
Acq: 25 Apr 2019 19:15

Tgt Ion: 105 Resp: 1608271

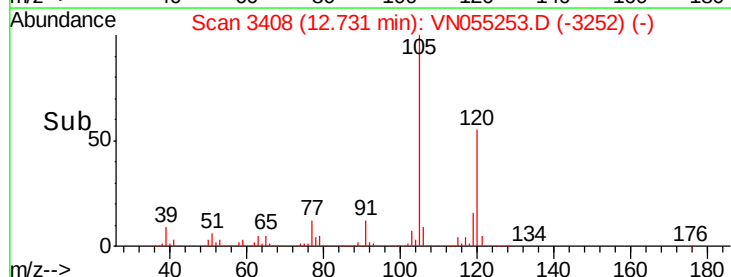
Ion Ratio Lower Upper

105 100

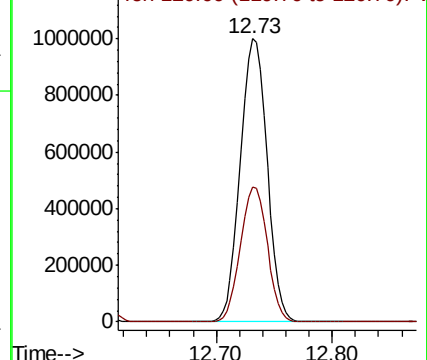
120 47.8 0.0 94.8

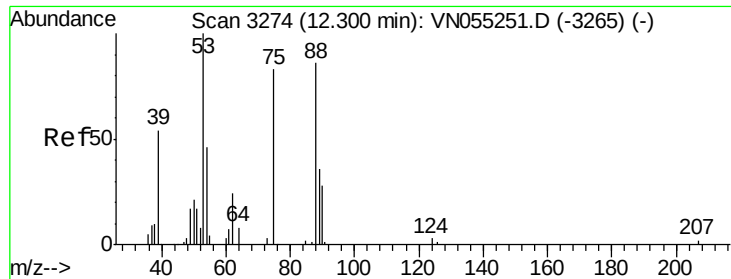


Abundance Ion 105.00 (104.70 to 105.70): VN055253.D (-3252) (-)



Ion 120.00 (119.70 to 120.70): VN055253.D (-3252) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 134.202 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

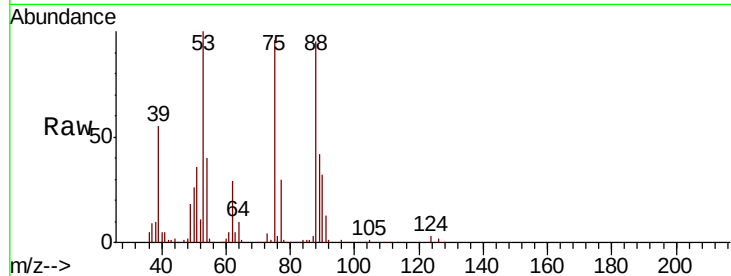
Tot Ion: 75 Resp: 137098

Ion Ratio Lower Upper

75 100

53 103.7 59.5 178.5

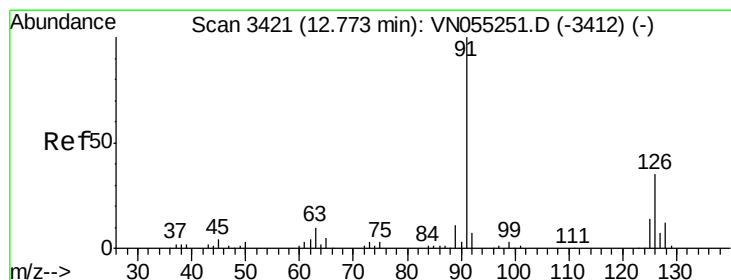
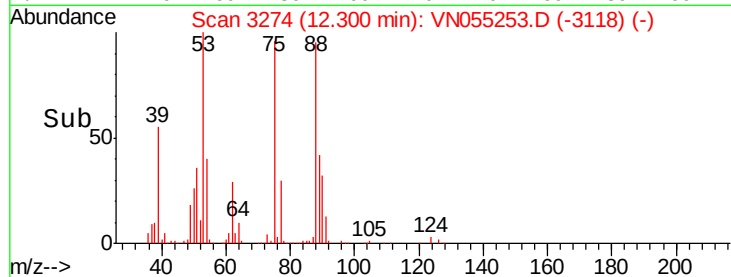
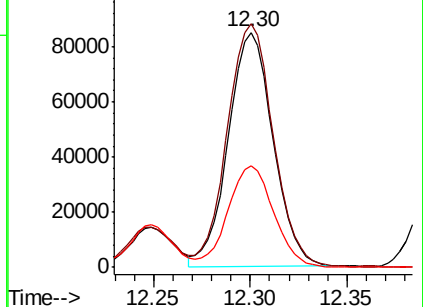
89 43.5 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN055253.D (-3118) (-)

Ion 53.00 (52.70 to 53.70): VN055253.D (-3118) (-)

Ion 89.00 (88.70 to 89.70): VN055253.D (-3118) (-)



#78

4-Chlorotoluene

Concen: 103.233 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055253.D

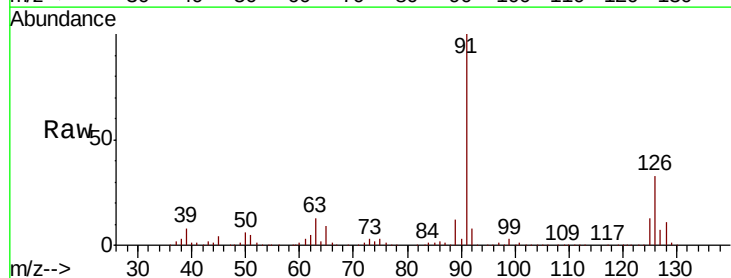
Acq: 25 Apr 2019 19:15

Tgt Ion: 91 Resp: 1340768

Ion Ratio Lower Upper

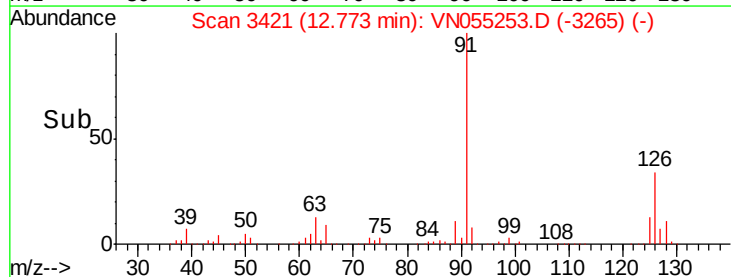
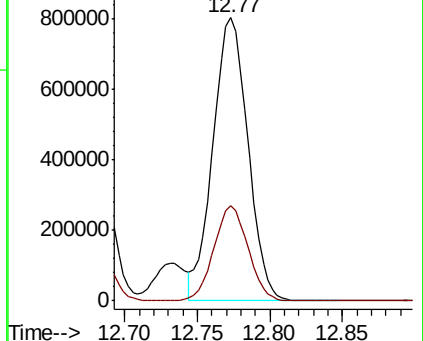
91 100

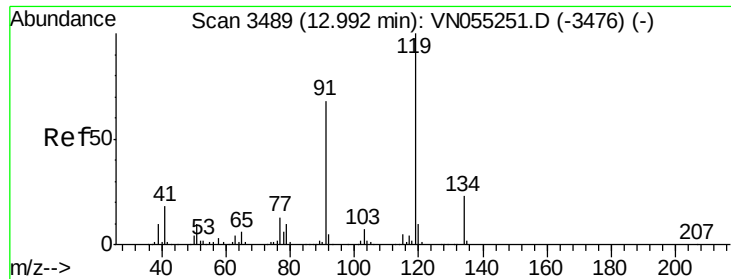
126 32.8 0.0 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN055253.D (-3265) (-)

Ion 126.00 (125.70 to 126.70): VN055253.D (-3265) (-)

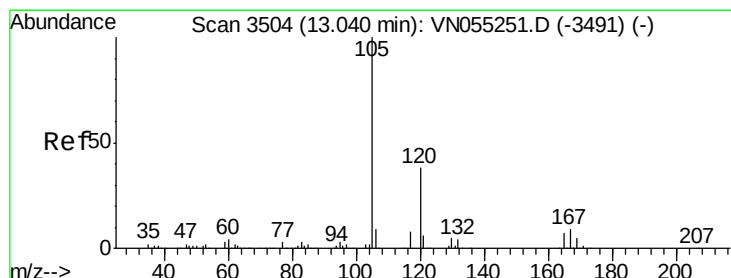
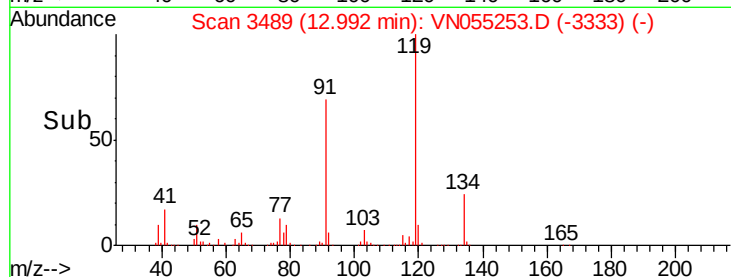
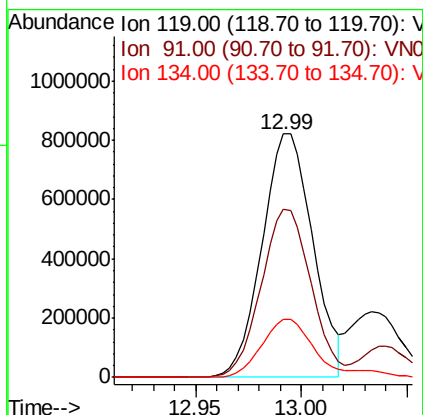
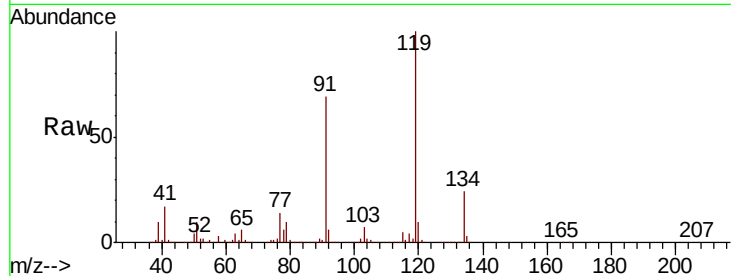




#79
tert-butylbenzene
Concen: 97.497 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

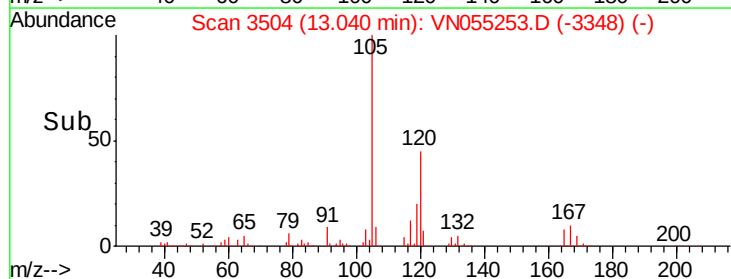
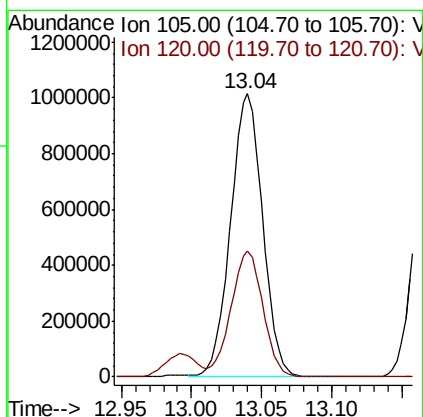
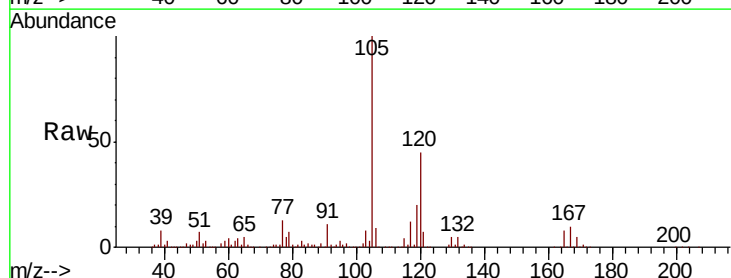
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

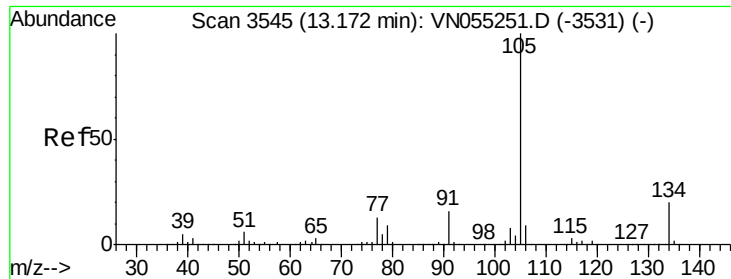
Tot Ion:119 Resp: 1375006
Ion Ratio Lower Upper
119 100
91 67.9 0.0 135.6
134 24.1 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 100.544 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion:105 Resp: 1612668
Ion Ratio Lower Upper
105 100
120 44.2 0.0 88.6

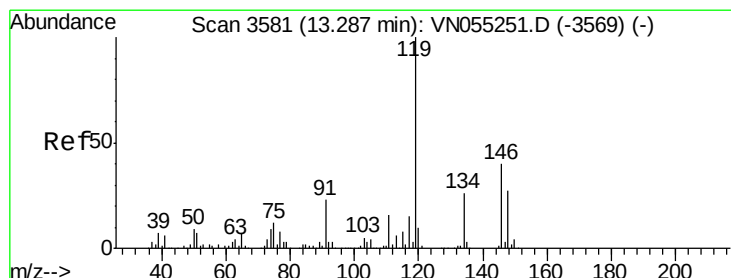
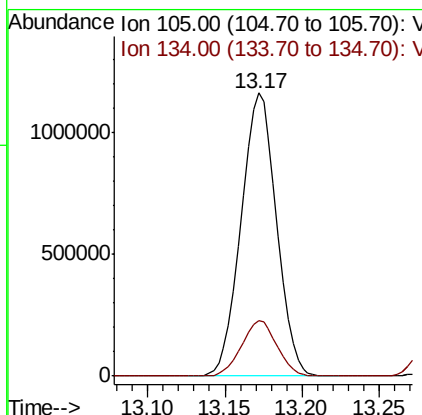
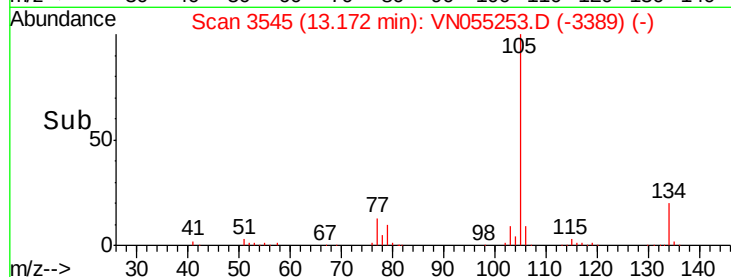
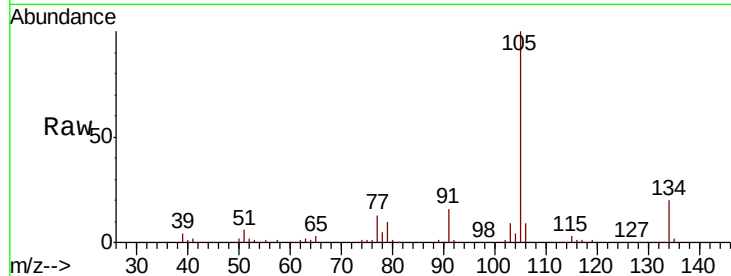




#81
 sec-Butylbenzene
 Concen: 98.448 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

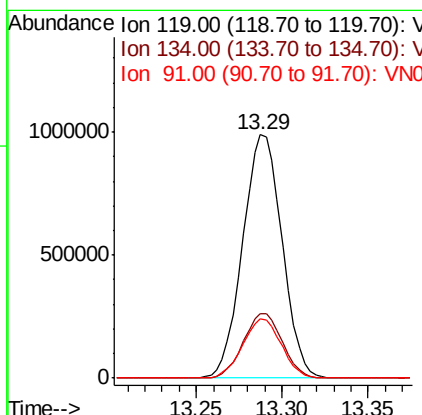
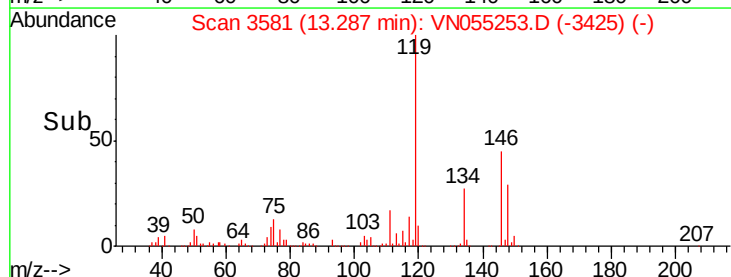
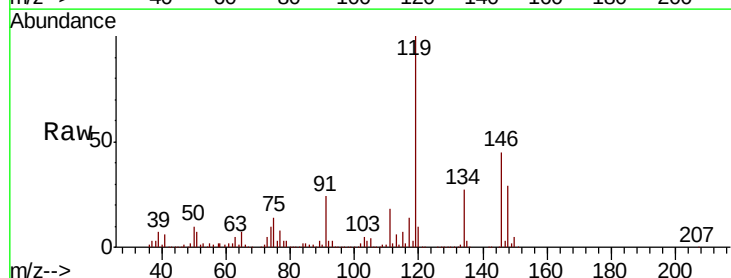
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

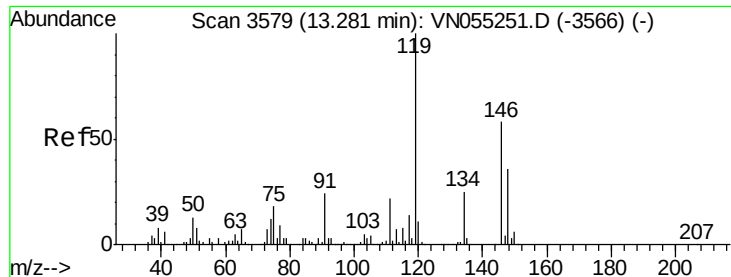
Tot Ion:105 Resp: 1846258
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 99.746 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion:119 Resp: 1569582
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.2
 91 24.0 0.0 47.6

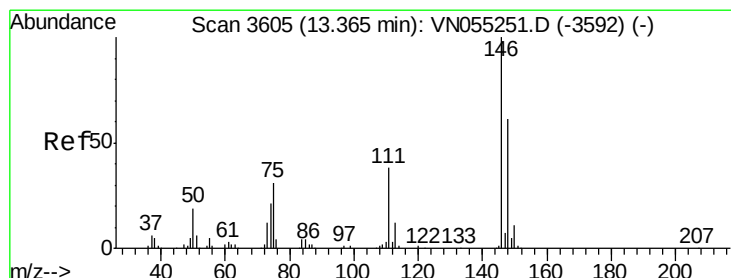
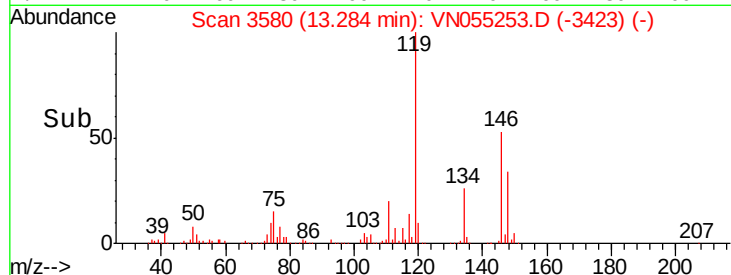
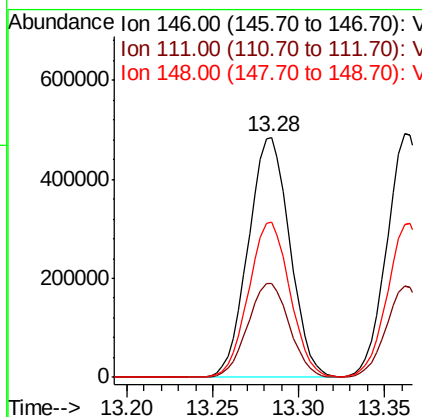
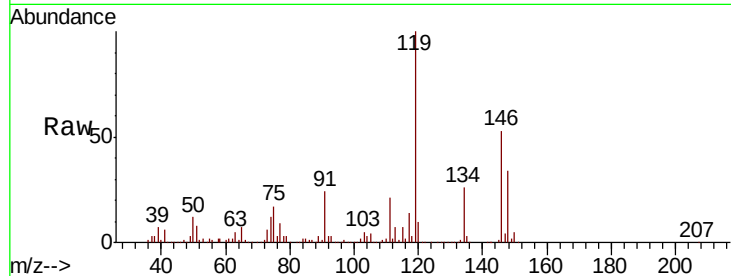




#83
 1,3-Dichlorobenzene
 Concen: 103.041 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

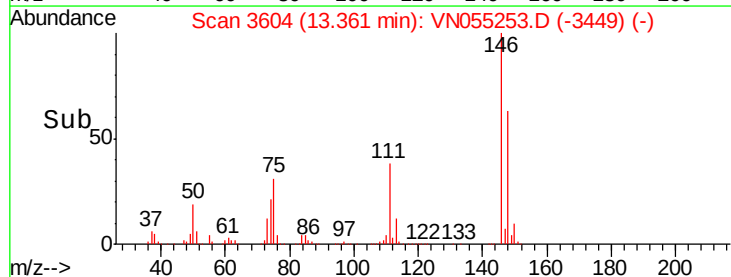
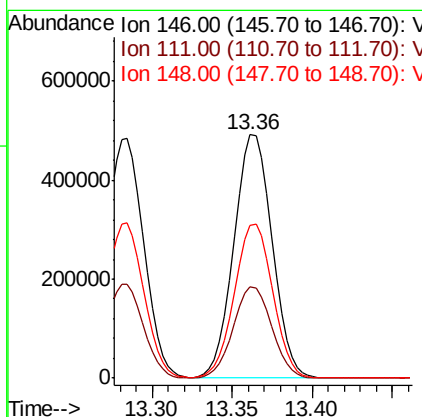
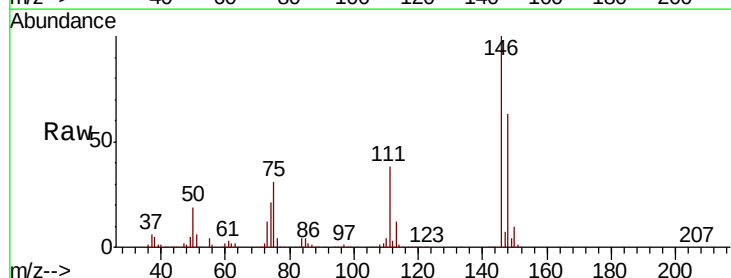
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

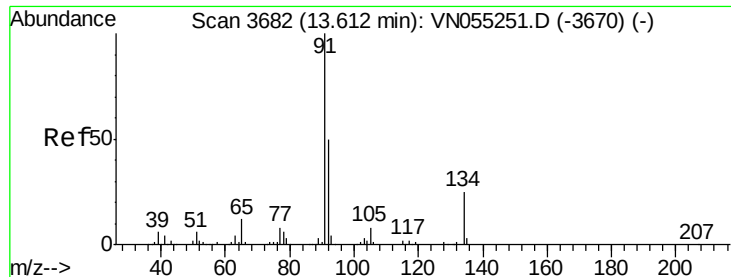
Tot Ion:146 Resp: 812749
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.9 59.7
 148 64.5 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 106.913 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion:146 Resp: 801637
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.5
 148 63.4 31.4 94.3





#85

n-Butylbenzene

Concen: 108.359 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

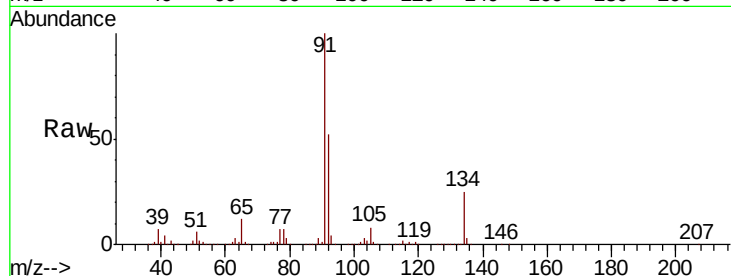
Tot Ion: 91 Resp: 1342774

Ion Ratio Lower Upper

91 100

92 51.8 0.0 102.8

134 24.9 0.0 50.0

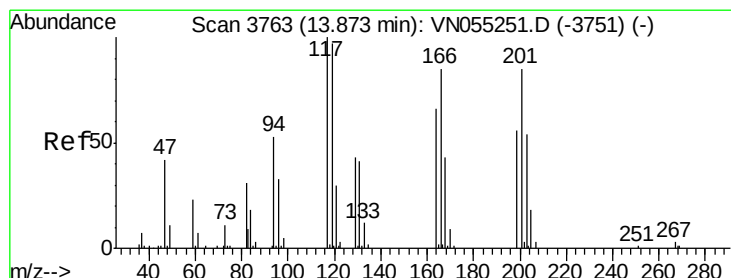
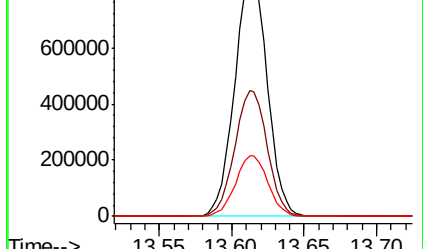
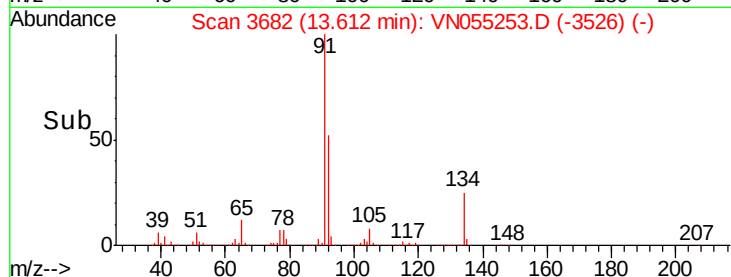


Abundance Ion 91.00 (90.70 to 91.70): VN055253.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN055253.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN055253.D (-3670) (-)

Time-->



#86

Hexachloroethane

Concen: 106.078 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055253.D

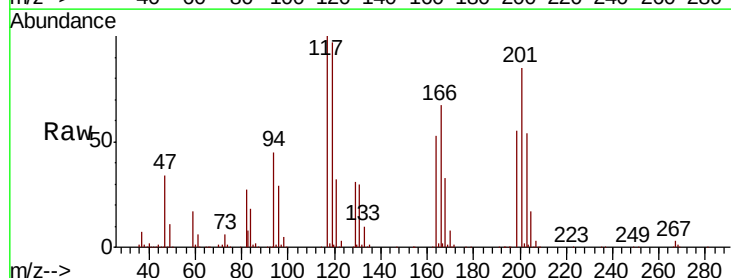
Acq: 25 Apr 2019 19:15

Tgt Ion: 117 Resp: 271395

Ion Ratio Lower Upper

117 100

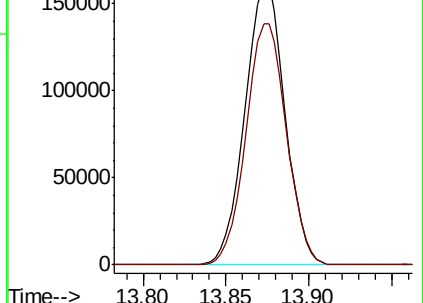
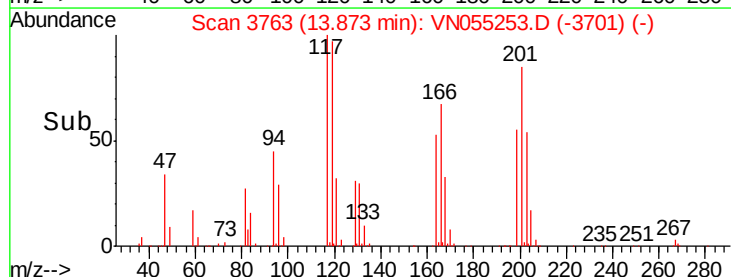
201 86.5 44.5 133.7

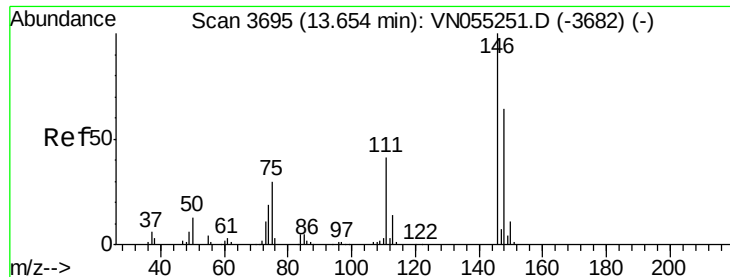


Abundance Ion 117.00 (116.70 to 117.70): VN055253.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN055253.D (-3751) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 103.059 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

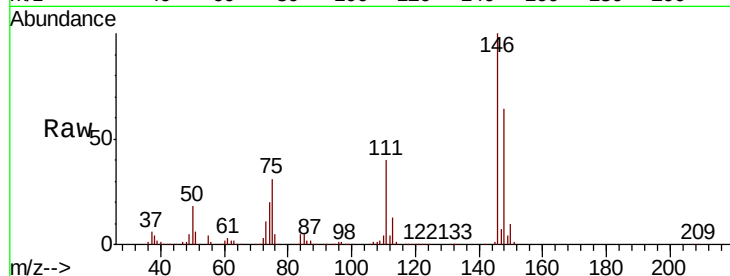
Tot Ion:146 Resp: 800683

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.2

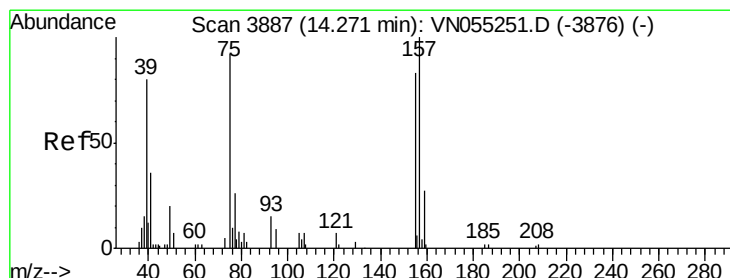
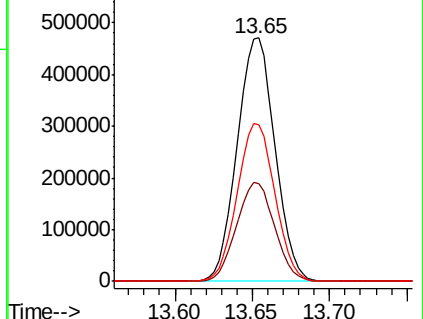
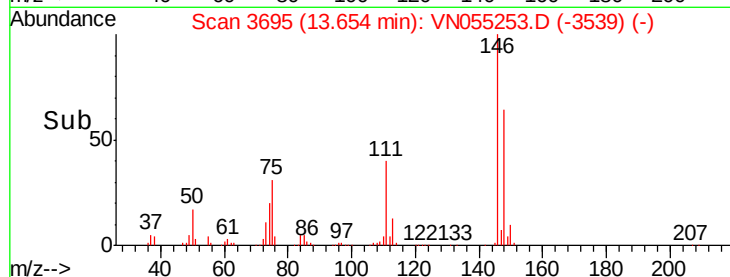
148 64.6 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 130.491 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

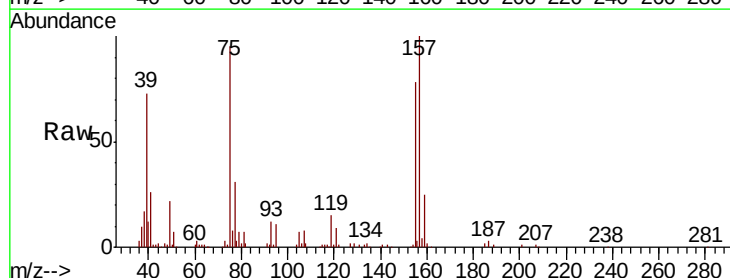
Tgt Ion: 75 Resp: 84180

Ion Ratio Lower Upper

75 100

155 83.3 70.4 105.6

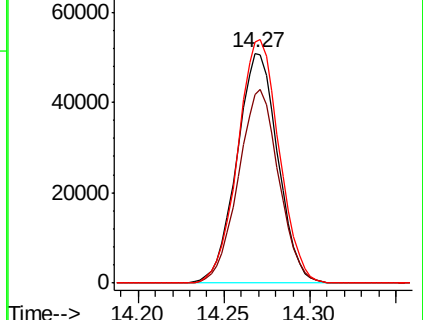
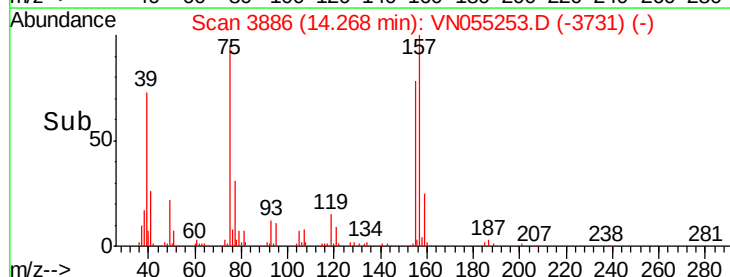
157 106.7 88.5 132.7

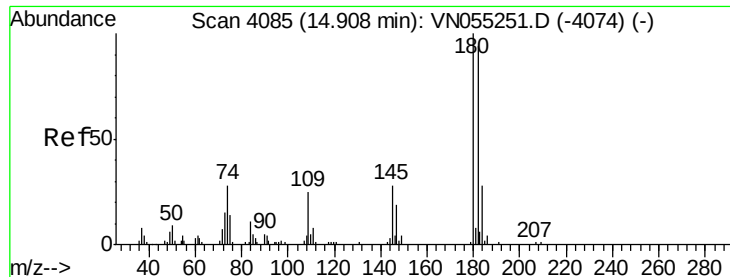


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

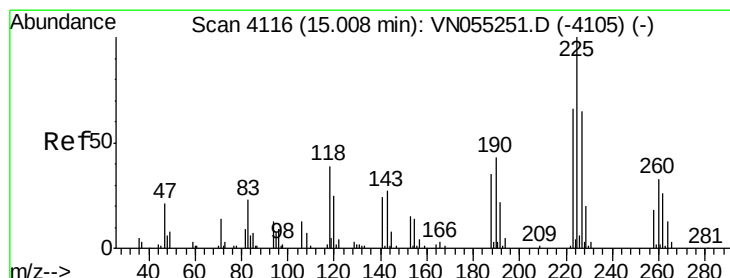
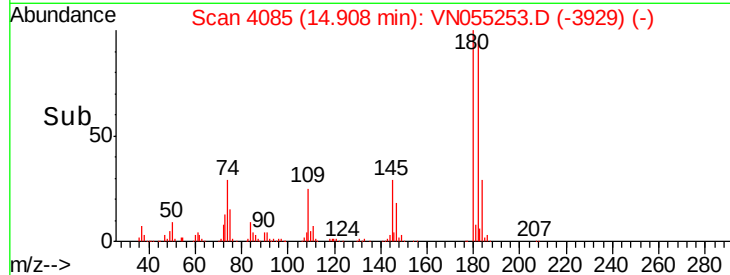
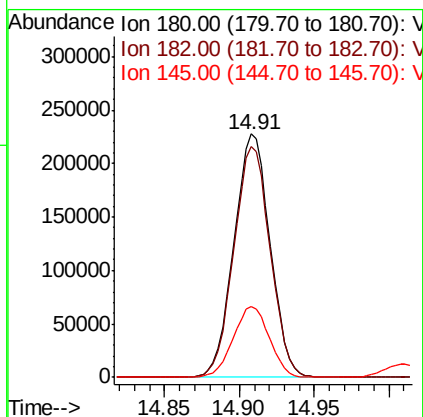
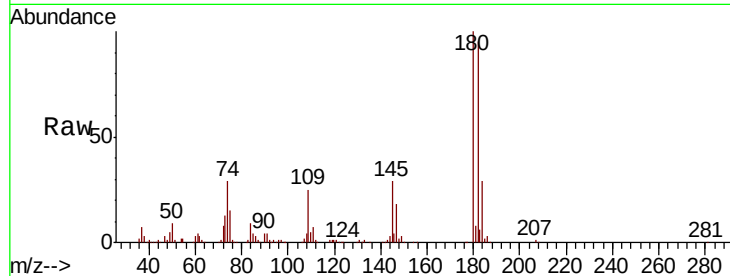




#89
 1,2,4-Trichlorobenzene
 Concen: 112.671 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

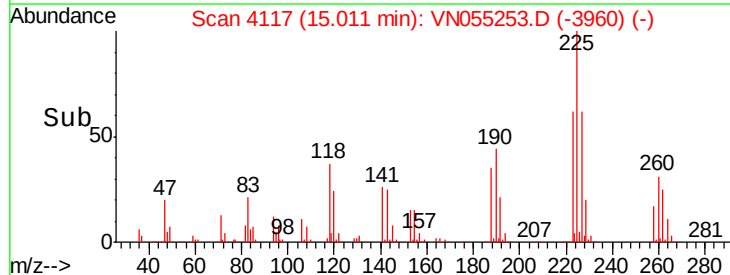
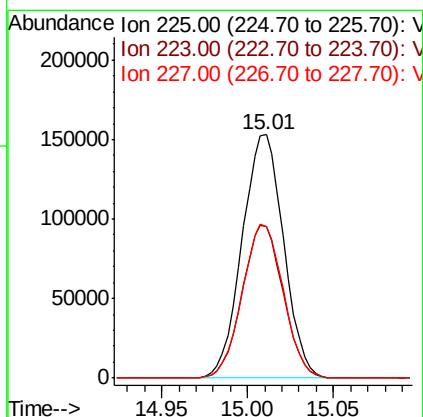
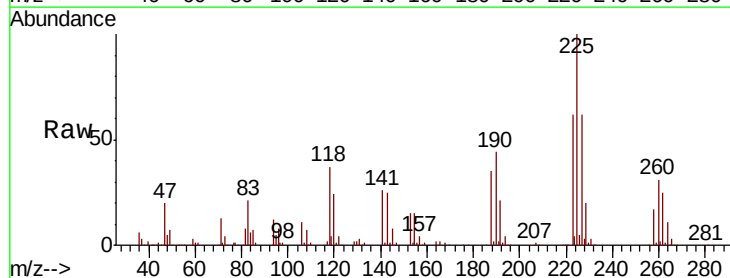
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

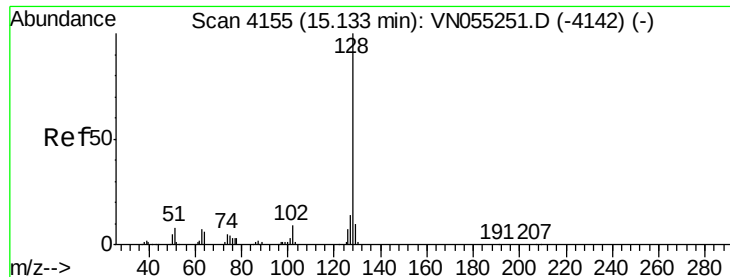
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.8	112.2
145	29.0	23.2	34.8



#90
 Hexachlorobutadiene
 Concen: 101.785 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	0.0	125.2
227	62.7	0.0	128.4





#91

Naphthalene

Concen: 121.652 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

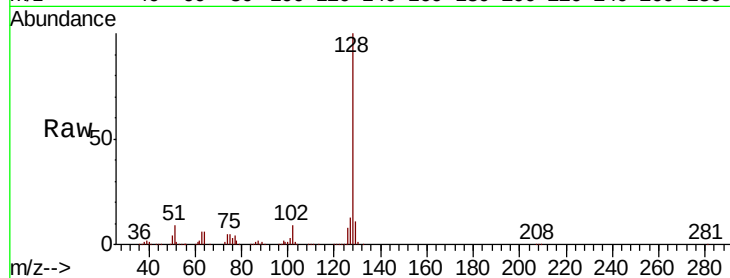
Tot Ion:128 Resp: 880526

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

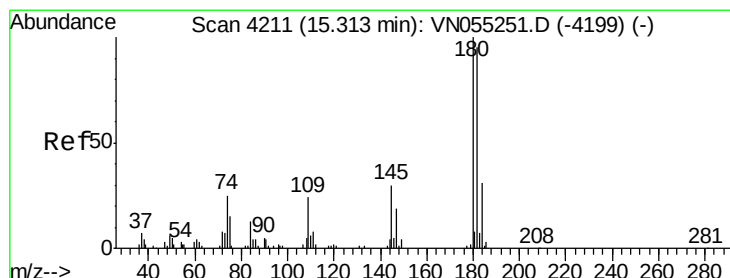
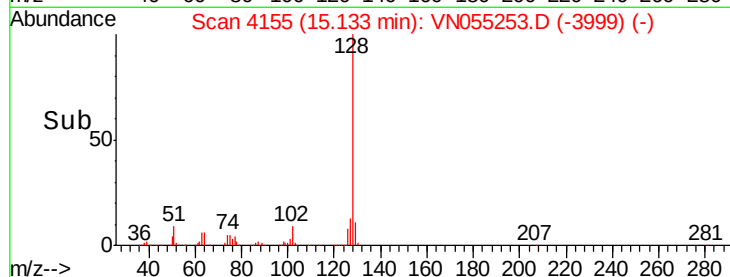
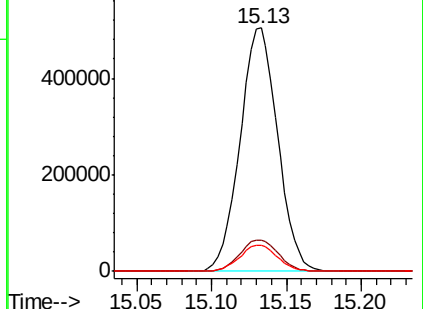
129 10.9 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 110.248 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

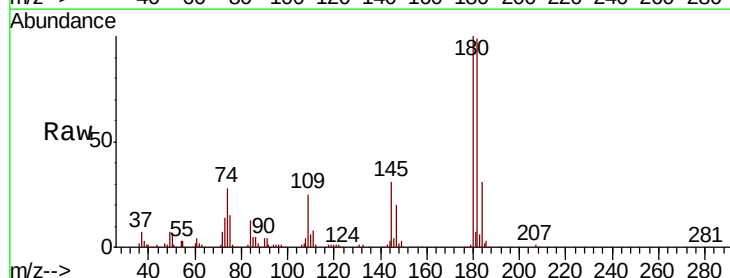
Tgt Ion:180 Resp: 376426

Ion Ratio Lower Upper

180 100

182 97.1 0.0 188.0

145 31.1 0.0 60.0



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

