

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053396.D
 Acq On : 15 Jan 2019 9:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 16 02:49:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	934378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1399593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1257362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	570772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	9240	1.00	ug/l	0.00
Spiked Amount			Recovery	=	2.00%	
35) Dibromofluoromethane	7.58	113	7444	0.93	ug/l	0.00
Spiked Amount			Recovery	=	1.86%	
50) Toluene-d8	10.09	98	30940	0.92	ug/l	0.00
Spiked Amount			Recovery	=	1.84%	
62) 4-Bromofluorobenzene	12.40	95	11153	0.94	ug/l	0.00
Spiked Amount			Recovery	=	1.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	6987	0.930	ug/l	93
3) Chloromethane	2.06	50	10953	1.020	ug/l	95
4) Vinyl Chloride	2.19	62	10168	0.982	ug/l	100
5) Bromomethane	2.57	94	7470	1.052	ug/l	100
6) Chloroethane	2.71	64	6204	0.991	ug/l #	87
7) Trichlorofluoromethane	3.03	101	13255	0.979	ug/l	99
8) Diethyl Ether	3.42	74	4309	0.847	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.77	101	8419	0.982	ug/l	95
10) Methyl Iodide	3.96	142	10804	0.824	ug/l #	94
11) Tert butyl alcohol	4.76	59	982	2.173	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	8074	0.971	ug/l	93
13) Acrolein	3.60	56	1025	23.794	ug/l #	14
14) Allyl chloride	4.33	41	12175	0.901	ug/l	97
15) Acrylonitrile	4.99	53	12135	4.080	ug/l #	93
16) Acetone	3.82	43	11738	5.417	ug/l #	87
17) Carbon Disulfide	4.06	76	24595	0.978	ug/l	99
18) Methyl Acetate	4.33	43	7286	0.998	ug/l #	86
19) Methyl tert-butyl Ether	5.04	73	19159	0.867	ug/l	99
20) Methylene Chloride	4.55	84	10006	1.011	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	8430	0.948	ug/l	96
22) Diisopropyl ether	5.95	45	25214	0.894	ug/l #	88
23) Vinyl Acetate	5.90	43	69263	3.994	ug/l	97
24) 1,1-Dichloroethane	5.85	63	15898	0.953	ug/l	99
25) 2-Butanone	6.84	43	14415	4.317	ug/l	99
26) 2,2-Dichloropropane	6.83	77	11649	0.925	ug/l #	75
27) cis-1,2-Dichloroethene	6.82	96	5076	0.499	ug/l	4
28) Bromochloromethane	7.20	49	7727	1.052	ug/l #	96
29) Tetrahydrofuran	7.21	42	9581	4.408	ug/l	90
30) Chloroform	7.37	83	15154	0.933	ug/l	98
31) Cyclohexane	7.66	56	27858	1.500	ug/l #	23
32) 1,1,1-Trichloroethane	7.57	97	13011	0.944	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	11685	0.917	ug/l	97
37) Ethyl Acetate	6.92	43	1613	0.218	ug/l #	72
38) Carbon Tetrachloride	7.77	117	11690	0.969	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	14808	0.940	ug/l	93
40) Benzene	8.04	78	36365	0.939	ug/l	99
41) Methacrylonitrile	7.17	41	2763	0.604	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	10560	0.936	ug/l	99
43) Isopropyl Acetate	8.16	43	9732	0.707	ug/l #	91
44) Trichloroethene	8.84	130	10246	0.954	ug/l	99
45) 1,2-Dichloropropane	9.12	63	9939	0.969	ug/l	95
46) Dibromomethane	9.21	93	5805	0.985	ug/l	93
47) Bromodichloromethane	9.40	83	11773	0.950	ug/l	92
48) Methyl methacrylate	9.20	41	5901	0.867	ug/l	96
49) 1,4-Dioxane	9.19	88	1339	20.138	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	29204	4.057	ug/l	94
52) Toluene	10.15	92	21821	0.907	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	10443	0.831	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	12972	0.881	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	7268	0.877	ug/l	91
56) Ethyl methacrylate	10.43	69	7944	2.705	ug/l #	96
57) 1,3-Dichloropropane	10.71	76	12618	0.880	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	24322	4.194	ug/l	99
59) 2-Hexanone	10.75	43	22170	4.387	ug/l	90
60) Dibromochloromethane	10.90	129	8469	0.901	ug/l	99
61) 1,2-Dibromoethane	11.01	107	7120	0.849	ug/l	94
64) Tetrachloroethene	10.63	164	12543	1.059	ug/l	92
65) Chlorobenzene	11.43	112	24941	0.937	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	8806	0.951	ug/l #	65
67) Ethyl Benzene	11.51	91	41433	0.913	ug/l	94
68) m/p-Xylenes	11.62	106	29603	1.729	ug/l	94
69) o-Xylene	11.95	106	14466	0.869	ug/l	98
70) Styrene	11.96	104	21500	0.796	ug/l	97
71) Bromoform	12.13	173	5092	0.799	ug/l #	96
73) Isopropylbenzene	12.25	105	37462	0.896	ug/l	97
74) N-amyl acetate	12.07	43	9628	0.864	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	8173	0.932	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	10058	1.400	ug/l #	100
77) Bromobenzene	12.53	156	10091	0.916	ug/l	97
78) n-propylbenzene	12.59	91	42449	0.885	ug/l	100
79) 2-Chlorotoluene	12.67	91	26810	0.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	29093	0.855	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	1936	3.152	ug/l #	77
82) 4-Chlorotoluene	12.77	91	25653	0.885	ug/l	98
83) tert-Butylbenzene	12.99	119	25784	0.858	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	28672	0.836	ug/l	96
85) sec-Butylbenzene	13.17	105	35305	0.857	ug/l	99
86) p-Isopropyltoluene	13.29	119	30152	0.843	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	17728	0.915	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	17728	0.912	ug/l	96
89) n-Butylbenzene	13.61	91	26434	0.867	ug/l	98
90) Hexachloroethane	13.88	117	4863	0.867	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	16658	0.935	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	972	0.874	ug/l	88

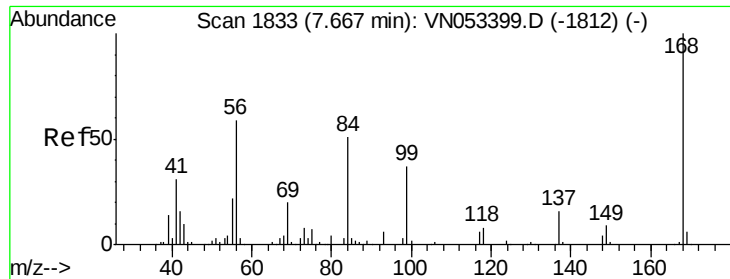
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5289	3.402	ug/l	98
94) Hexachlorobutadiene	15.01	225	5368	0.965	ug/l	92
95) Naphthalene	15.13	128	7167	4.417	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	3533	4.470	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

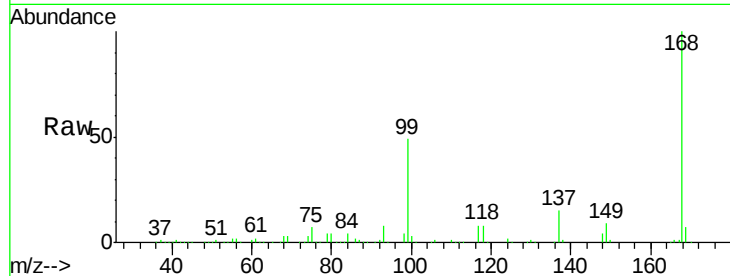
VSTDIC001

Tot Ion:168 Resp: 934378

Ion Ratio Lower Upper

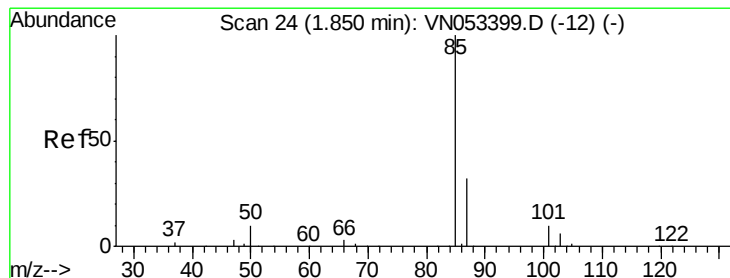
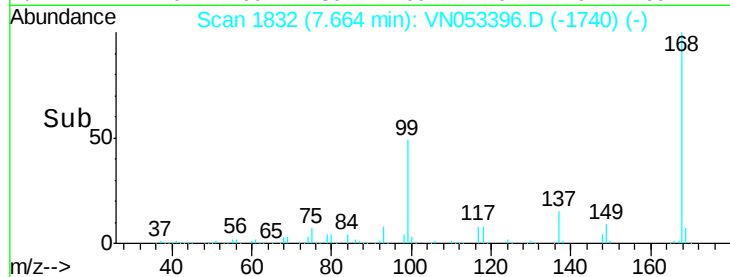
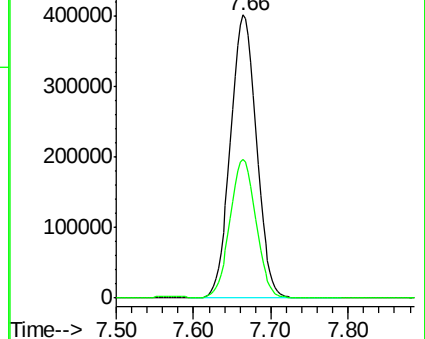
168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.930 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053396.D

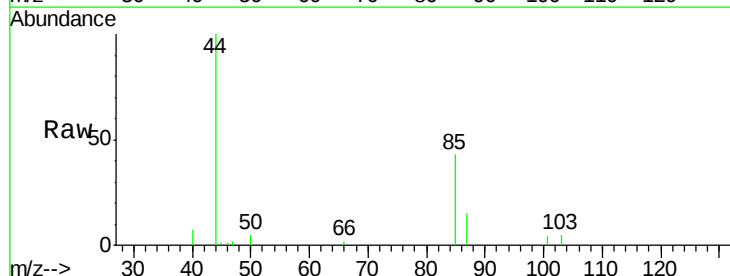
Acq: 15 Jan 2019 9:16

Tgt Ion: 85 Resp: 6987

Ion Ratio Lower Upper

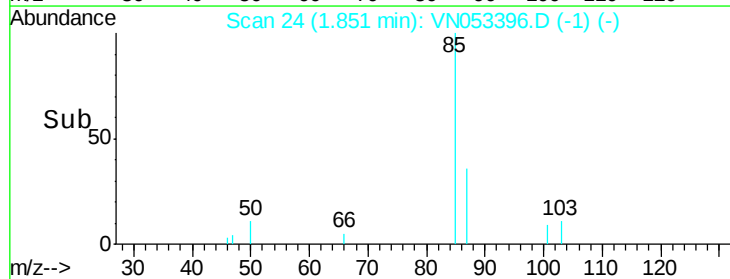
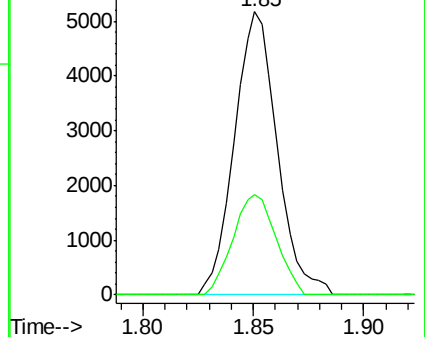
85 100

87 35.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.020 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

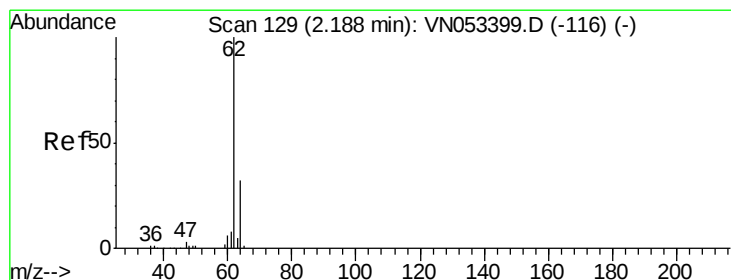
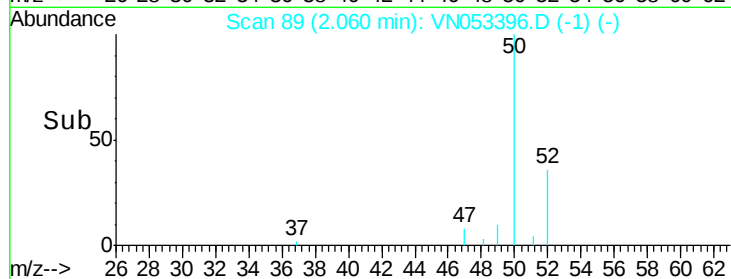
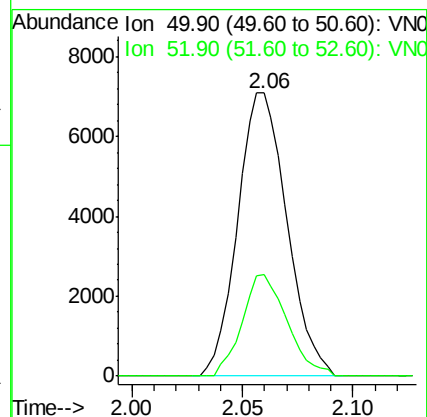
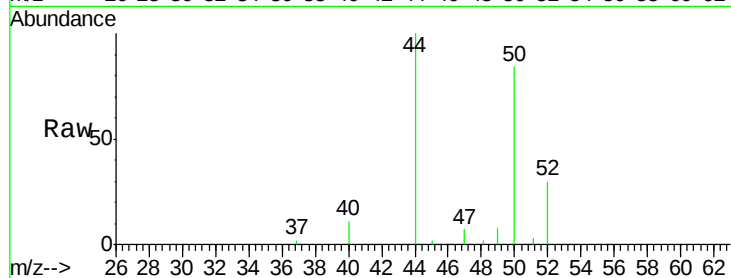
VSTDIC001

Tot Ion: 50 Resp: 10953

Ion Ratio Lower Upper

50 100

52 35.9 26.6 40.0



#4

Vinyl Chloride

Concen: 0.982 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053396.D

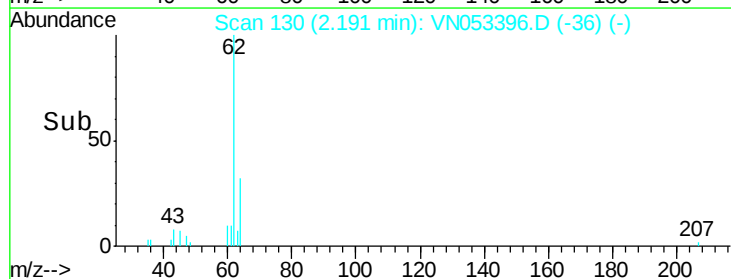
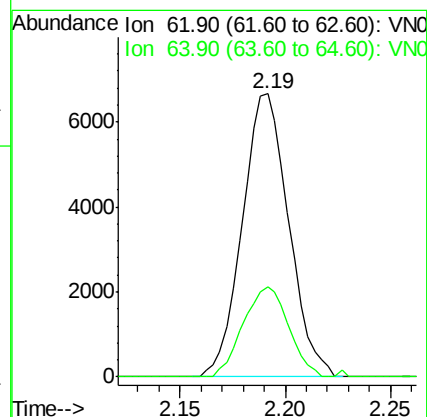
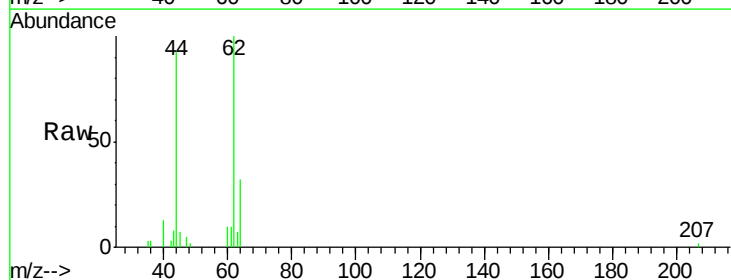
Acq: 15 Jan 2019 9:16

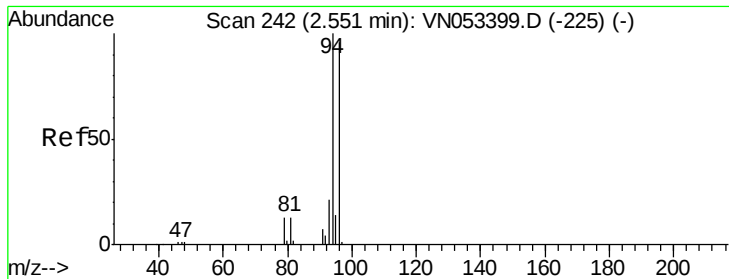
Tgt Ion: 62 Resp: 10168

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 1.052 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

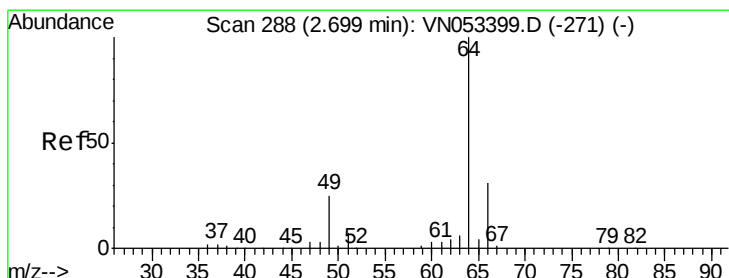
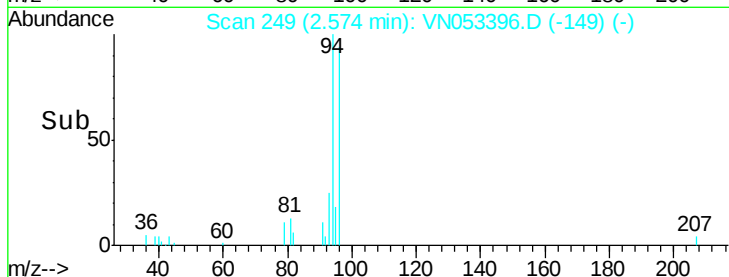
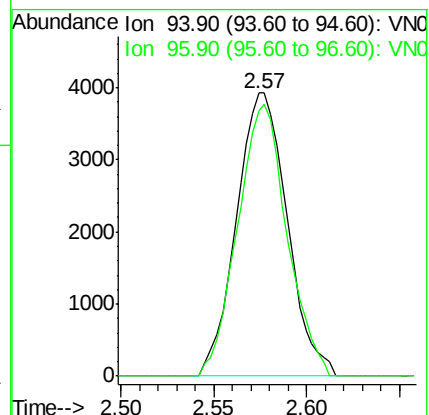
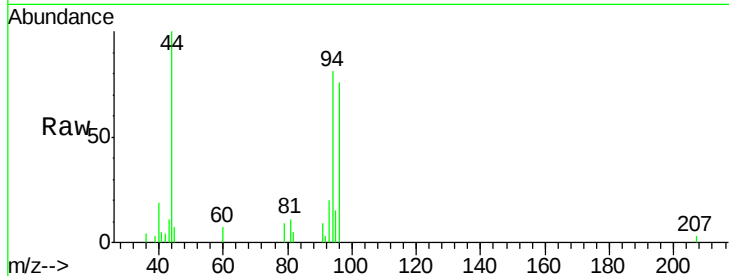
VSTDIC001

Tot Ion: 94 Resp: 7470

Ion Ratio Lower Upper

94 100

96 93.9 74.9 112.3



#6

Chloroethane

Concen: 0.991 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053396.D

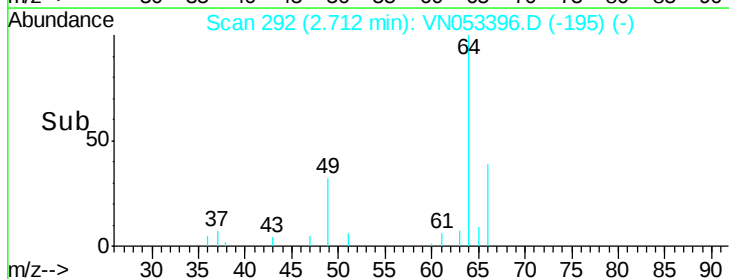
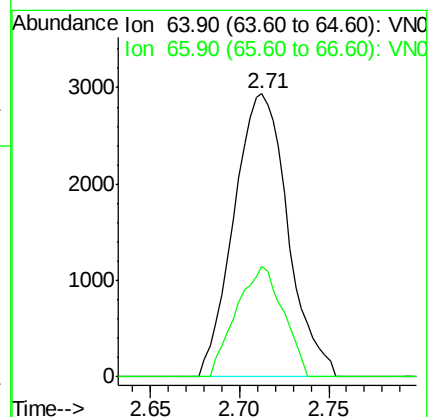
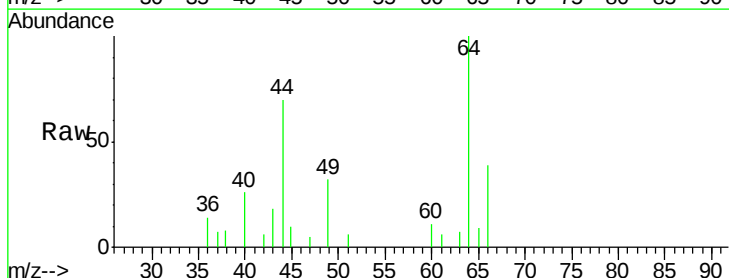
Acq: 15 Jan 2019 9:16

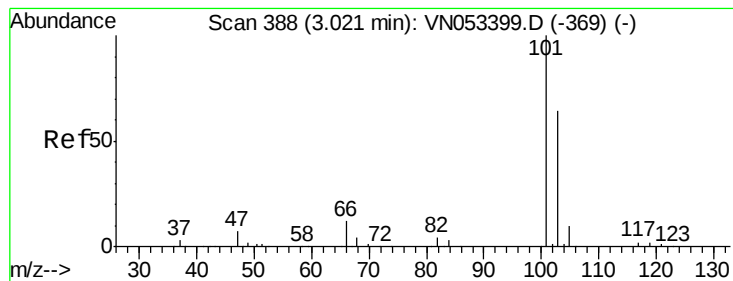
Tgt Ion: 64 Resp: 6204

Ion Ratio Lower Upper

64 100

66 39.2 25.6 38.4#





#7

Trichlorofluoromethane

Concen: 0.979 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

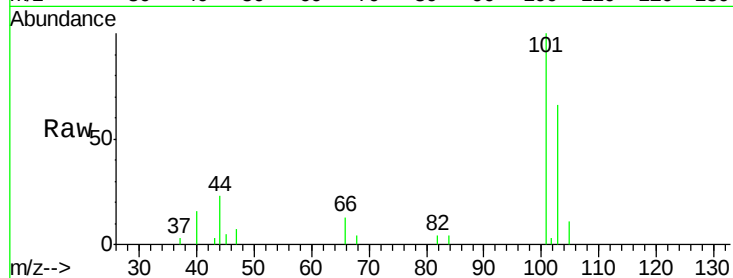
VSTDIC001

Tot Ion:101 Resp: 13255

Ion Ratio Lower Upper

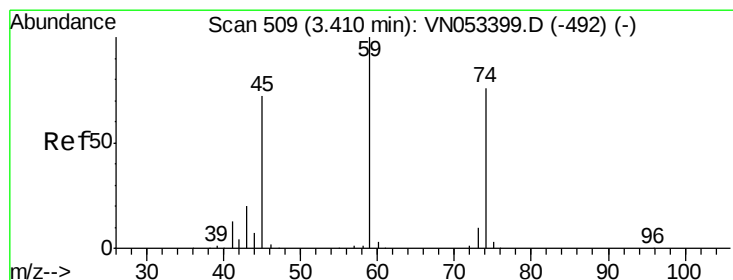
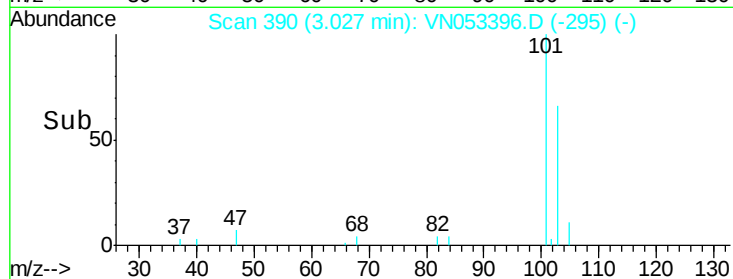
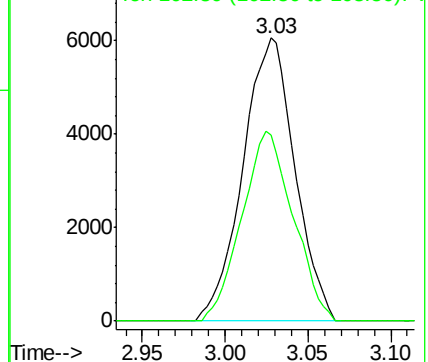
101 100

103 65.8 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.847 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN053396.D

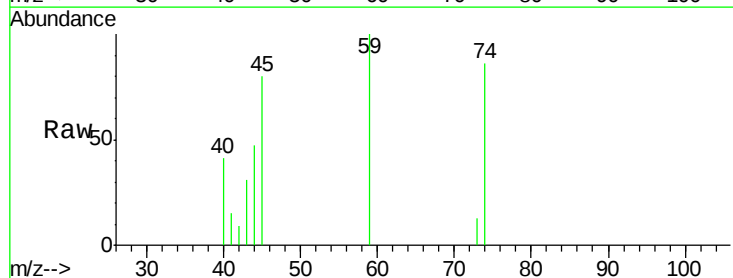
Acq: 15 Jan 2019 9:16

Tgt Ion: 74 Resp: 4309

Ion Ratio Lower Upper

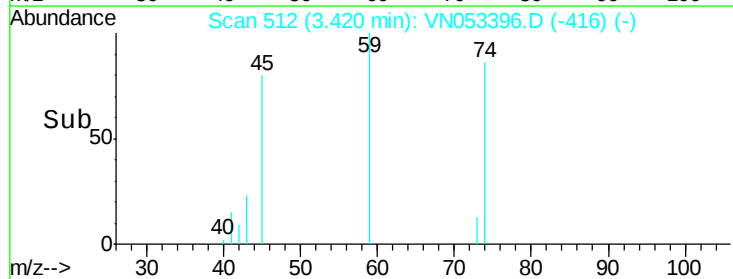
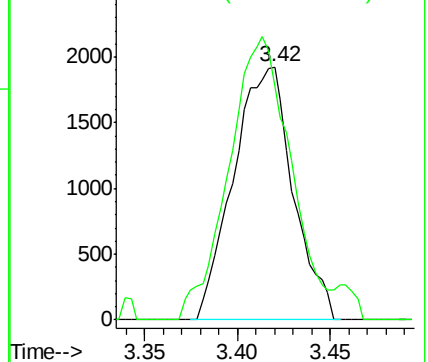
74 100

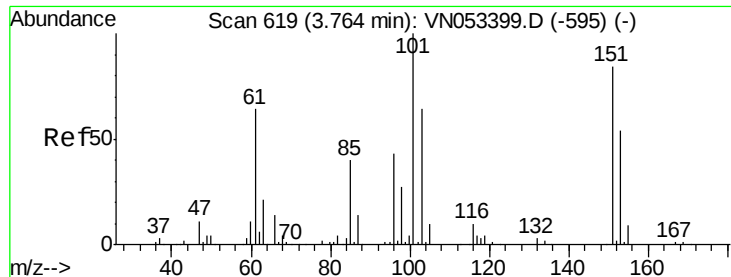
45 115.5 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.982 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

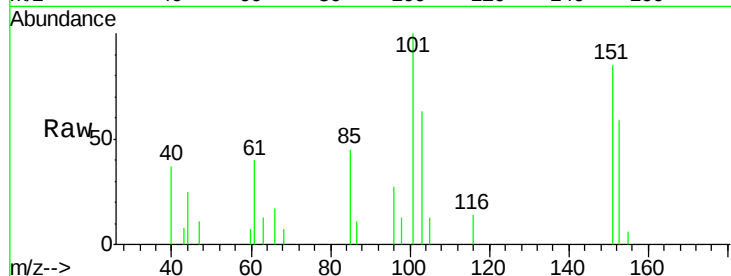
Tot Ion:101 Resp: 8419

Ion Ratio Lower Upper

101 100

85 46.1 33.3 49.9

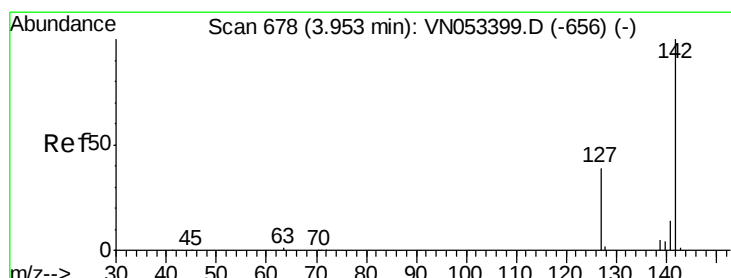
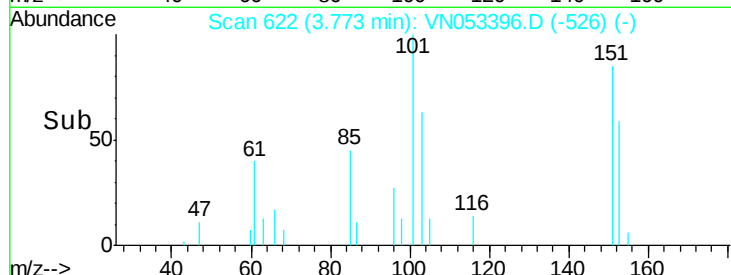
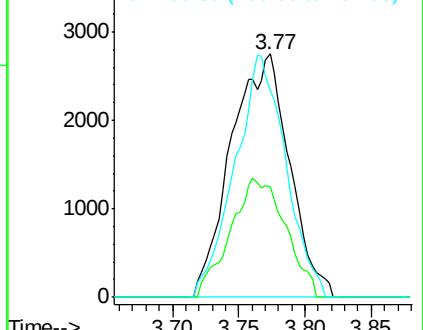
151 87.0 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.824 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

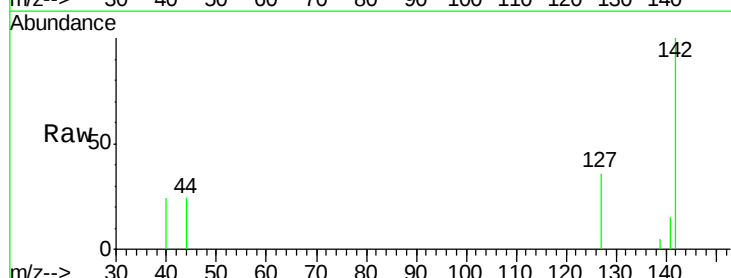
Tgt Ion:142 Resp: 10804

Ion Ratio Lower Upper

142 100

127 38.0 30.9 46.3

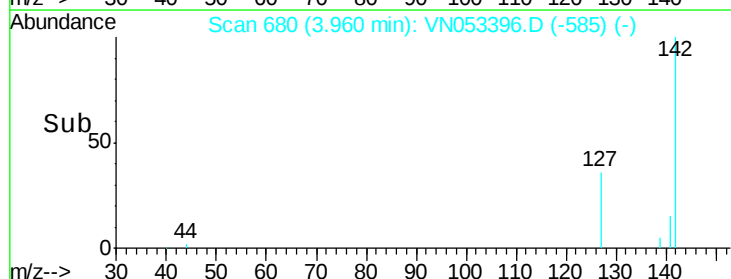
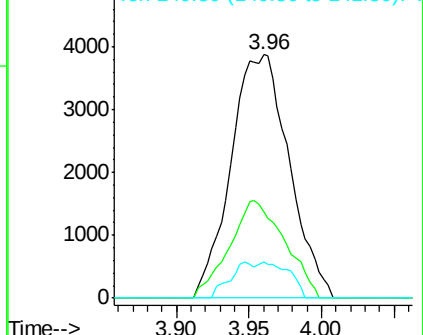
141 6.2 11.2 16.8#

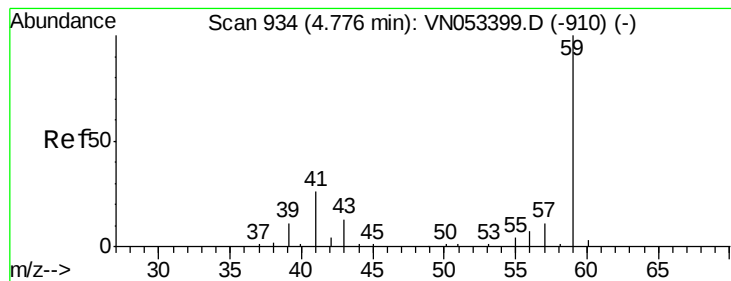


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



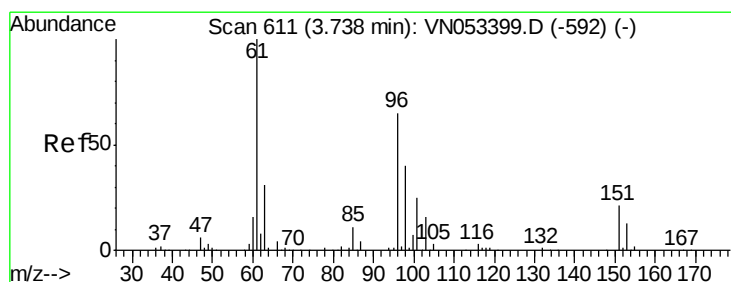
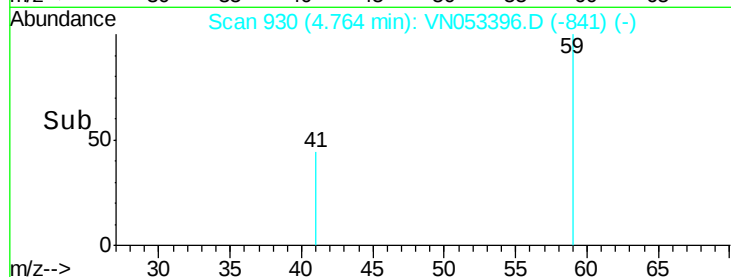
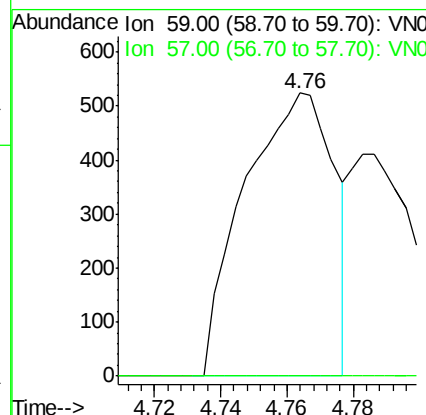
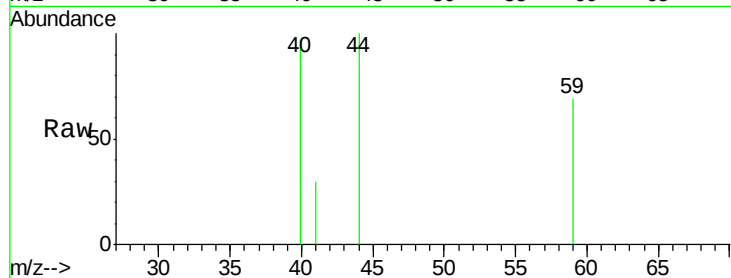


#11

Tert butyl alcohol
Concen: 2.173 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.01 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

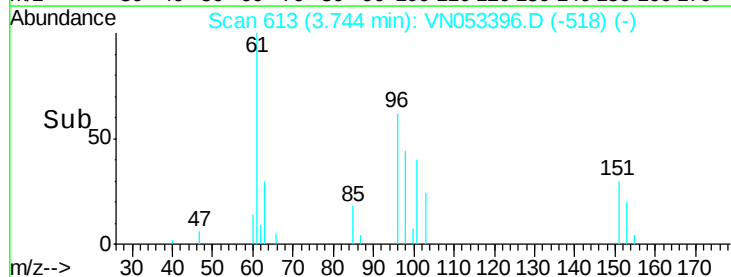
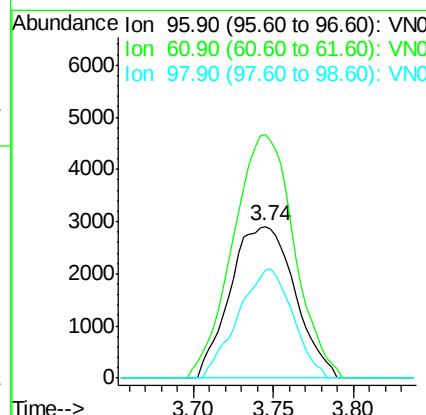
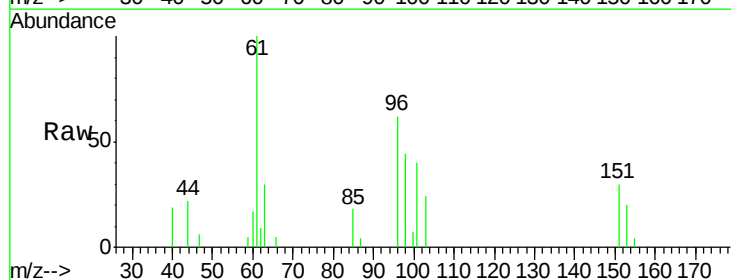
Tot Ion: 59 Resp: 982
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

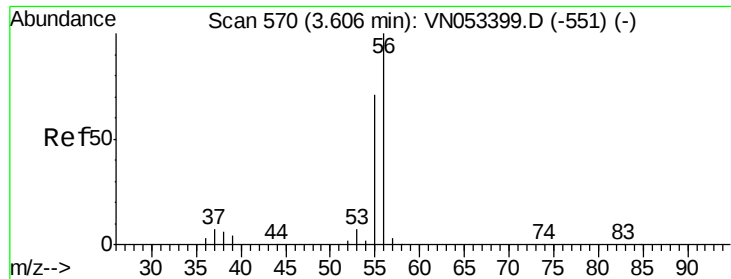


#12

1,1-Dichloroethene
Concen: 0.971 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 96 Resp: 8074
Ion Ratio Lower Upper
96 100
61 160.7 123.2 184.8
98 71.0 50.5 75.7





#13

Acrolein

Concen: 23.794 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

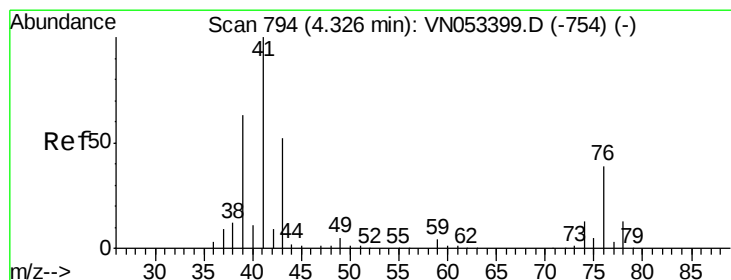
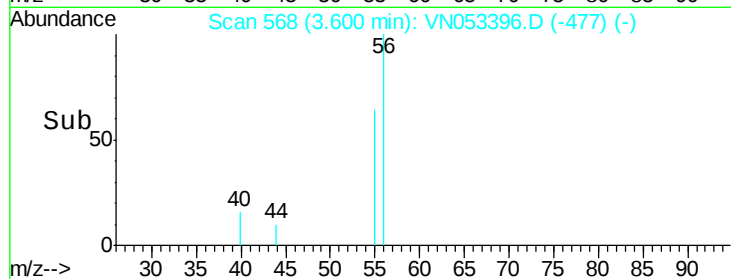
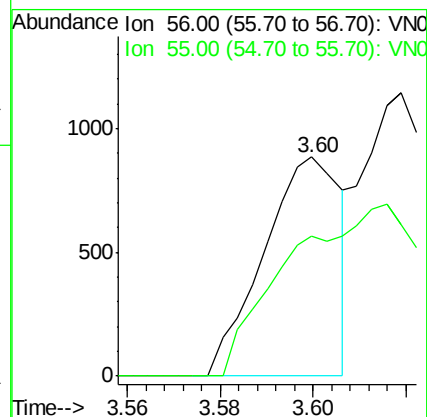
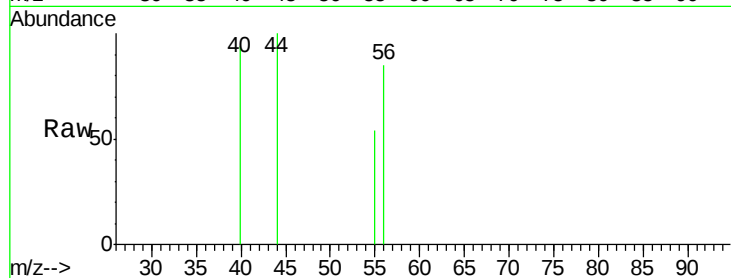
VSTDIC001

Tot Ion: 56 Resp: 1025

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



#14

Allyl chloride

Concen: 0.901 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

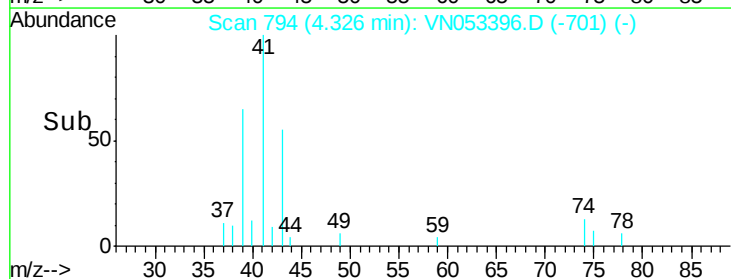
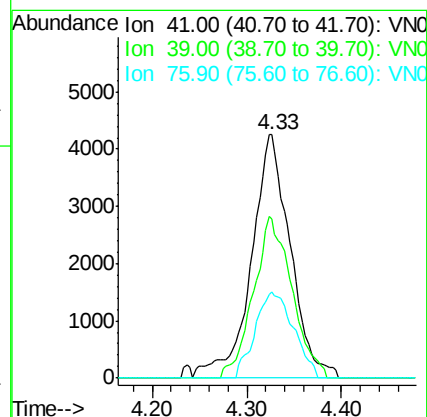
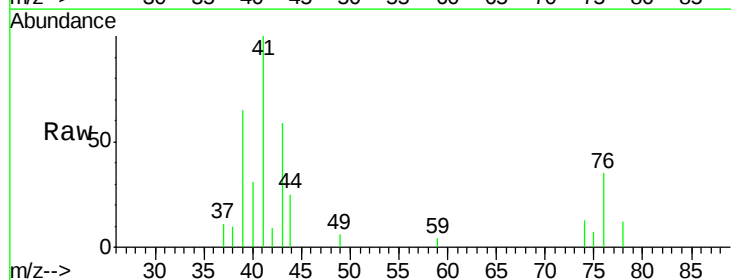
Tgt Ion: 41 Resp: 12175

Ion Ratio Lower Upper

41 100

39 65.3 51.9 77.9

76 34.8 31.2 46.8





#15

Acrylonitrile

Concen: 4.080 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

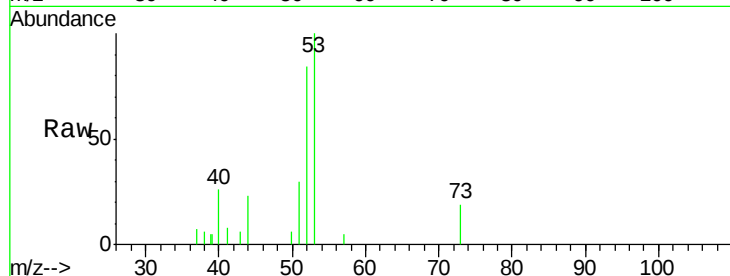
Tot Ion: 53 Resp: 12135

Ion Ratio Lower Upper

53 100

52 79.0 65.2 97.8

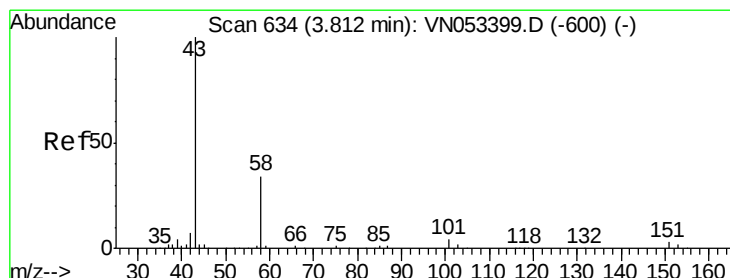
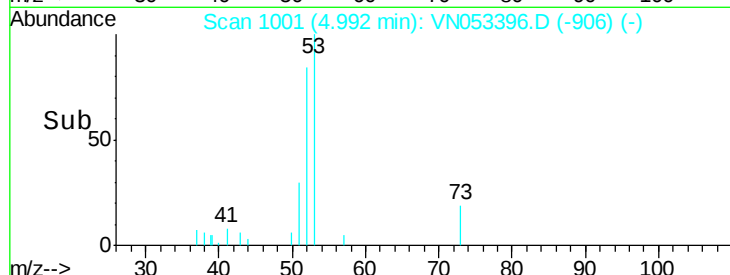
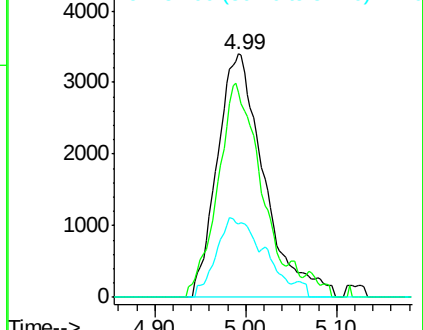
51 25.4 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 5.417 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053396.D

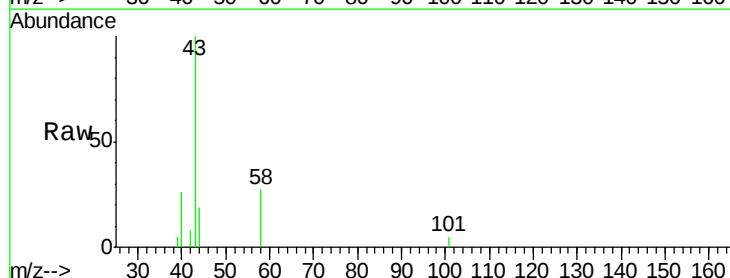
Acq: 15 Jan 2019 9:16

Tgt Ion: 43 Resp: 11738

Ion Ratio Lower Upper

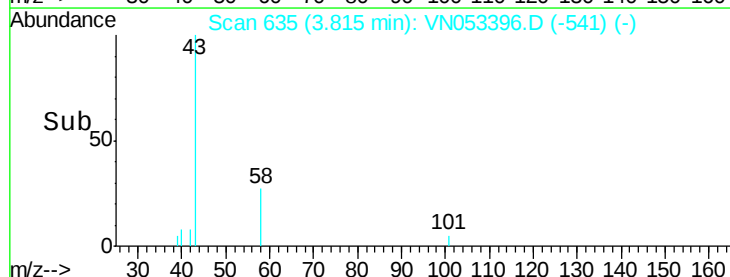
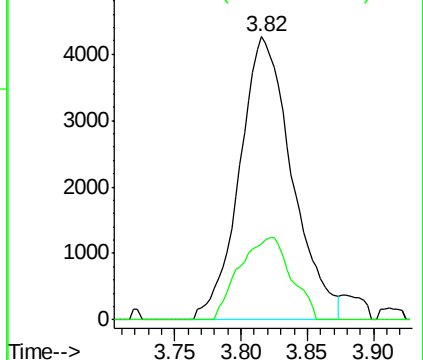
43 100

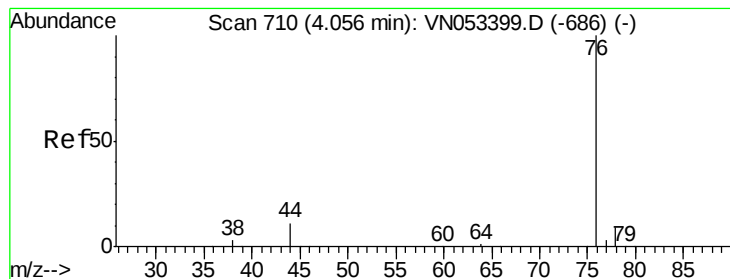
58 26.9 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.978 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

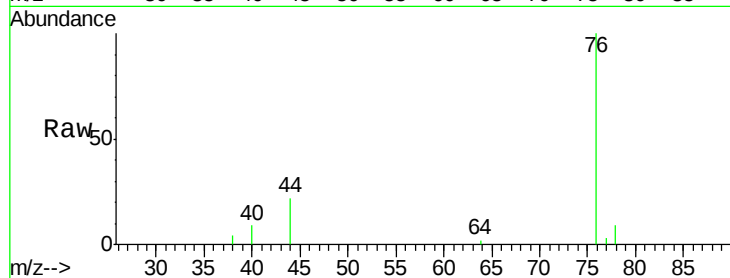
VSTDIC001

Tot Ion: 76 Resp: 24595

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

10000

8000

6000

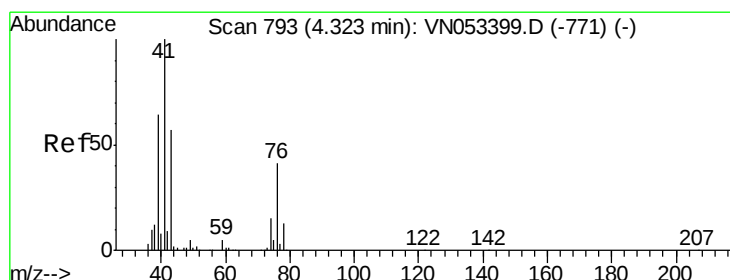
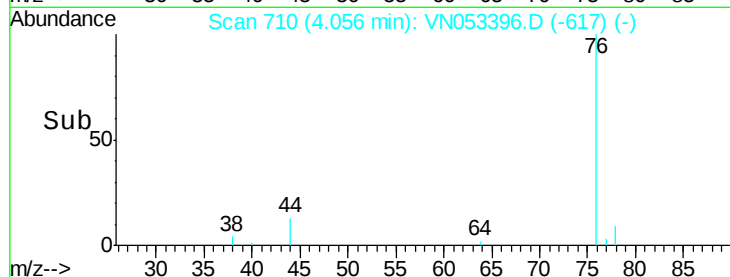
4000

2000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#18

Methyl Acetate

Concen: 0.998 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053396.D

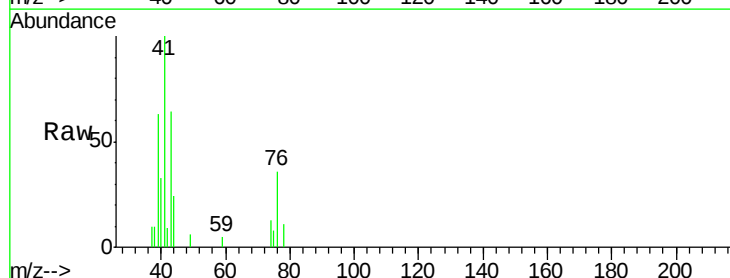
Acq: 15 Jan 2019 9:16

Tgt Ion: 43 Resp: 7286

Ion Ratio Lower Upper

43 100

74 17.7 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

3000

2500

2000

1500

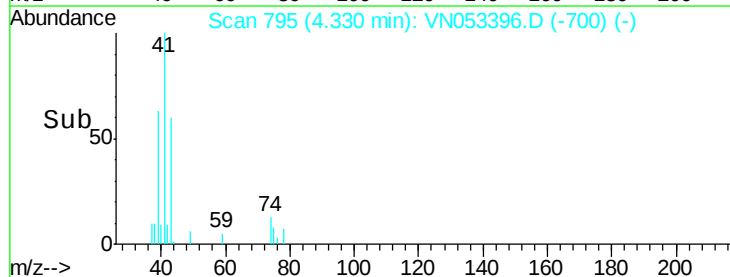
1000

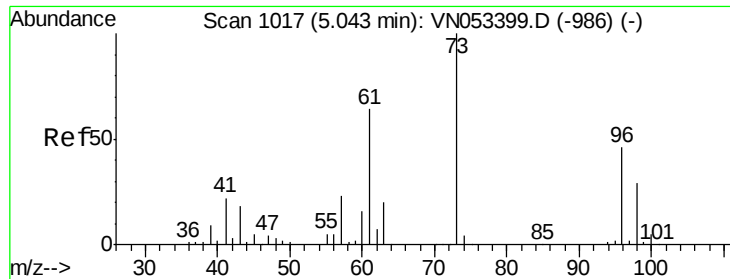
500

0

Time-->

4.25 4.30 4.35 4.40

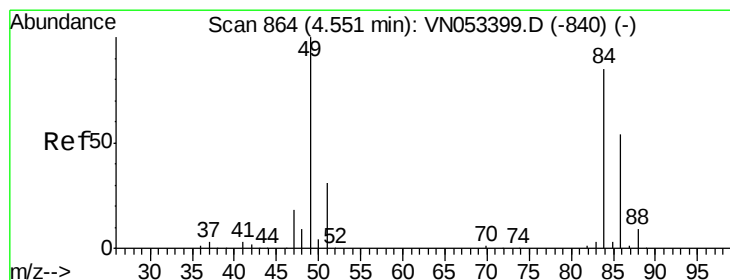
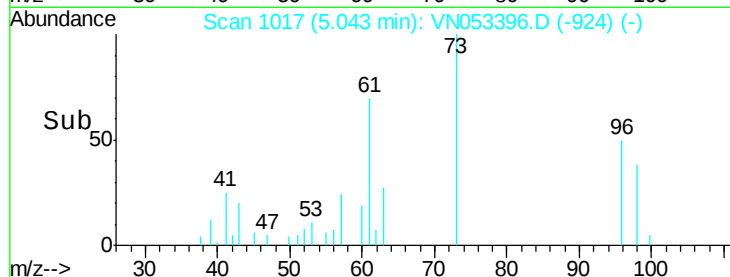
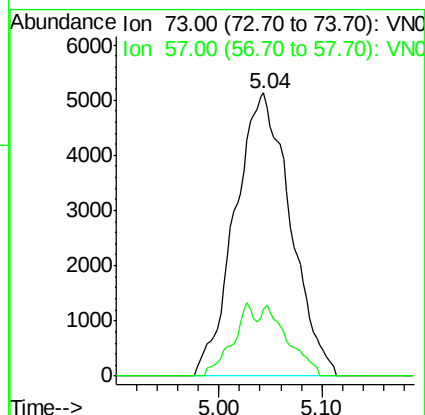
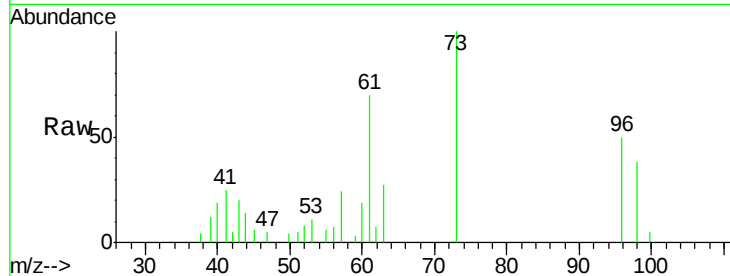




#19
Methyl tert-butyl Ether
Concen: 0.867 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

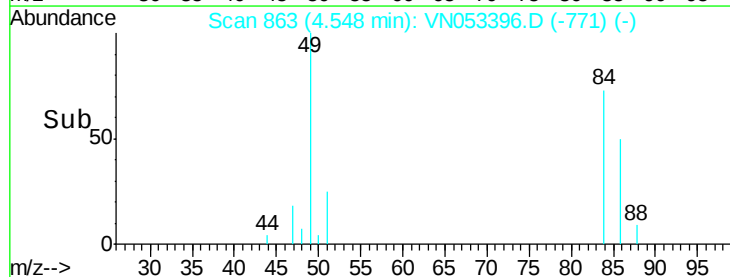
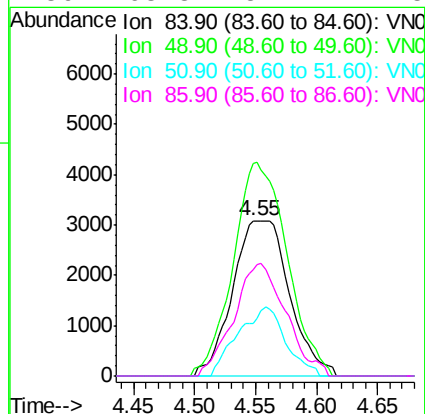
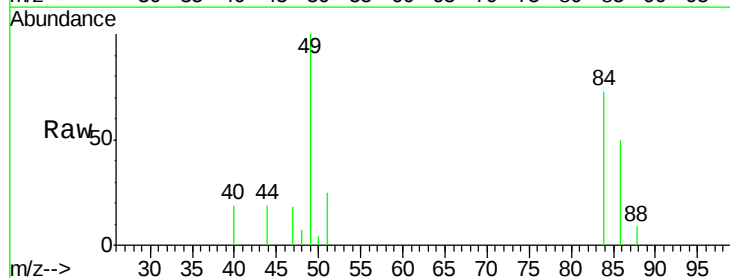
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

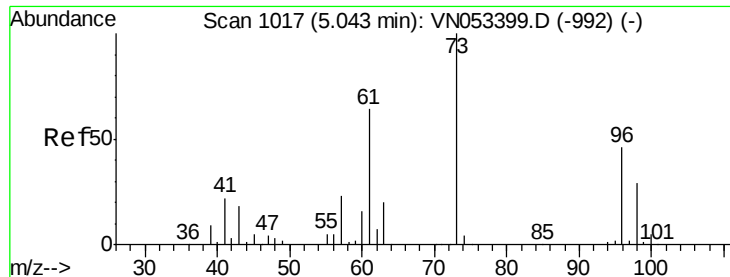
Tot Ion: 73 Resp: 19159
Ion Ratio Lower Upper
73 100
57 23.5 18.5 27.7



#20
Methylene Chloride
Concen: 1.011 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 84 Resp: 10006
Ion Ratio Lower Upper
84 100
49 137.1 95.3 142.9
51 33.7 29.0 43.6
86 68.8 51.7 77.5

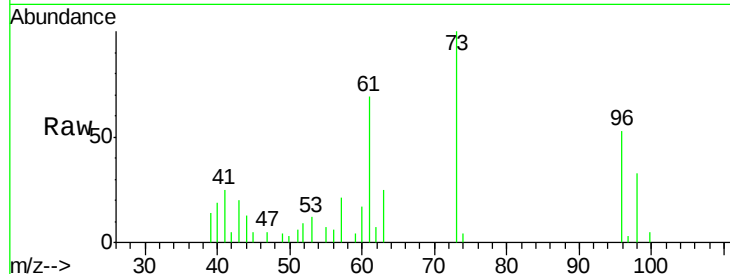




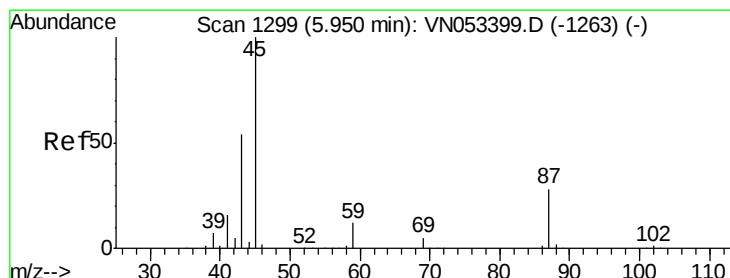
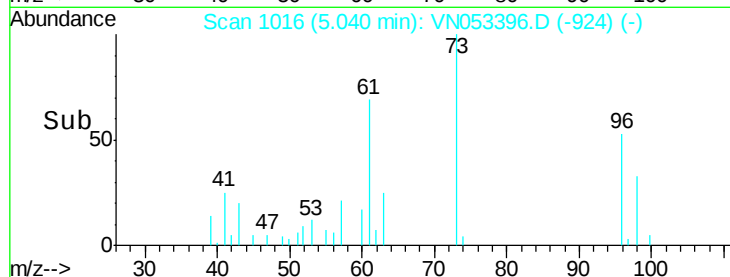
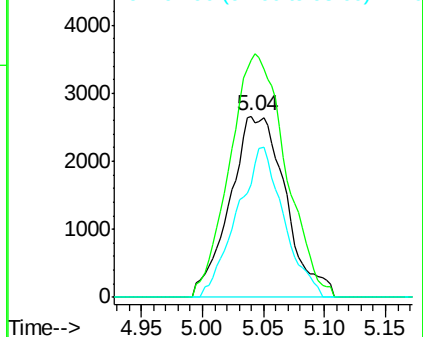
#21
trans-1,2-Dichloroethene
Concen: 0.948 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 8430
Ion Ratio Lower Upper
96 100
61 130.8 110.2 165.4
98 62.3 50.7 76.1

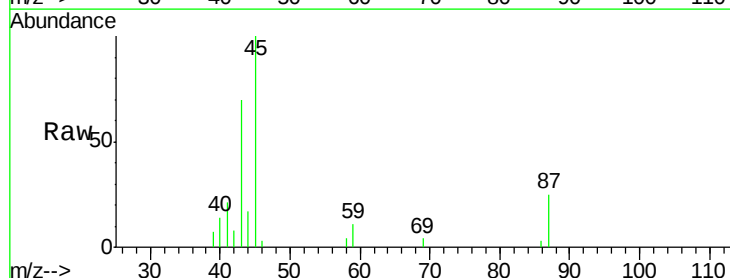


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

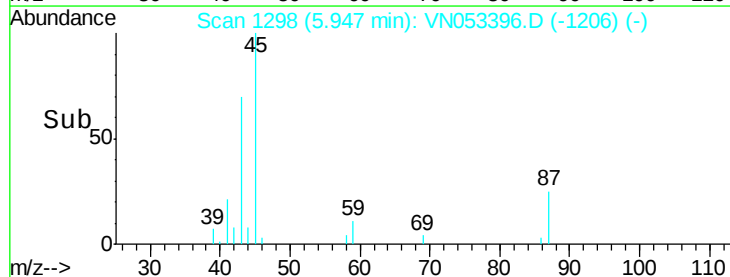
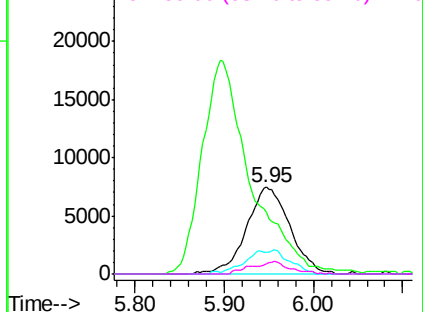


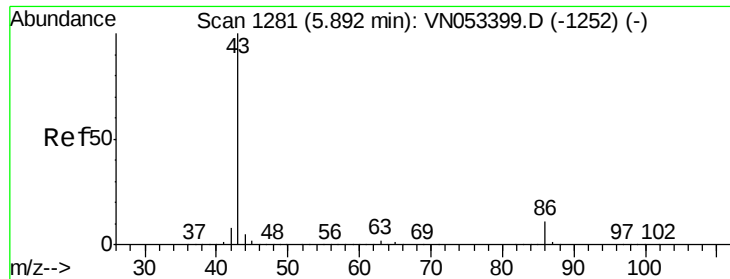
#22
Diisopropyl ether
Concen: 0.894 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 45 Resp: 25214
Ion Ratio Lower Upper
45 100
43 66.3 43.0 64.6#
87 24.6 22.1 33.1
59 11.5 9.0 13.4



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





#23

Vinyl Acetate

Concen: 3.994 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

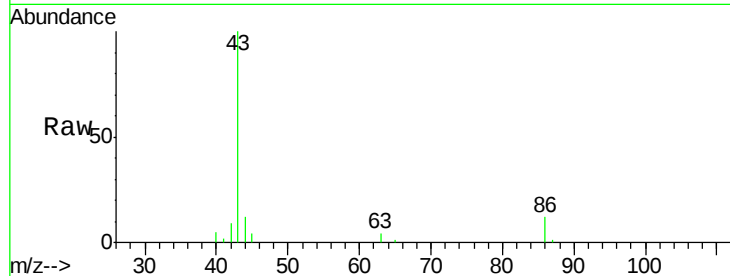
VSTDIC001

Tot Ion: 43 Resp: 69263

Ion Ratio Lower Upper

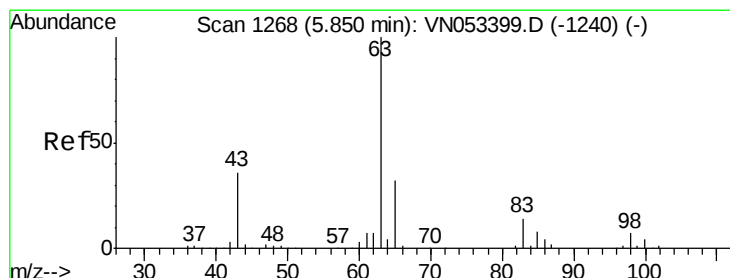
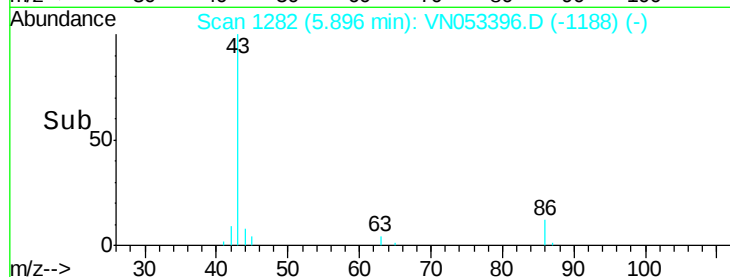
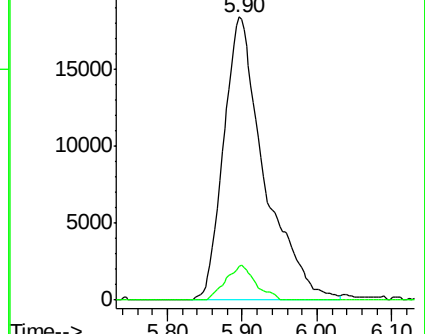
43 100

86 11.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN053399.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 0.953 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

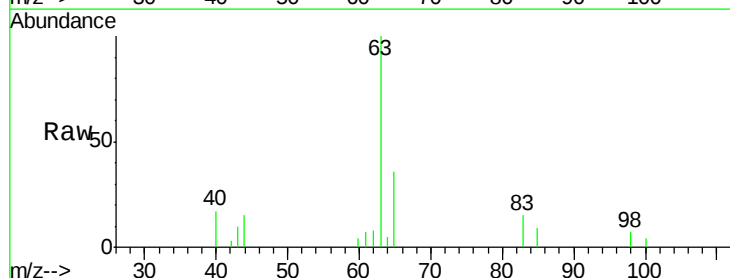
Tgt Ion: 63 Resp: 15898

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

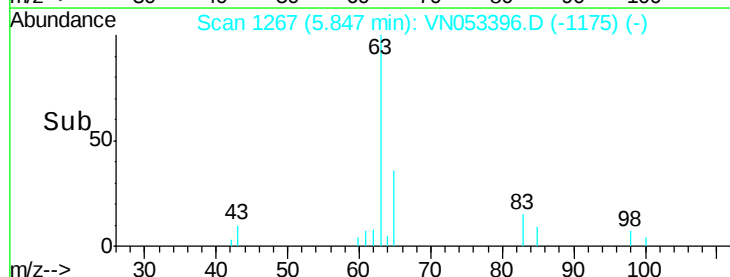
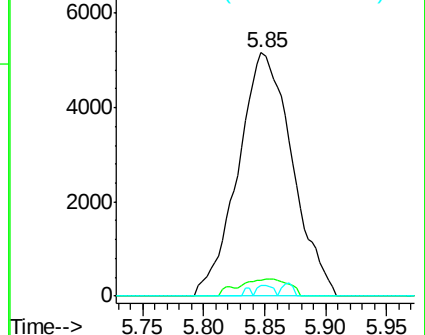
100 4.1 2.1 6.5

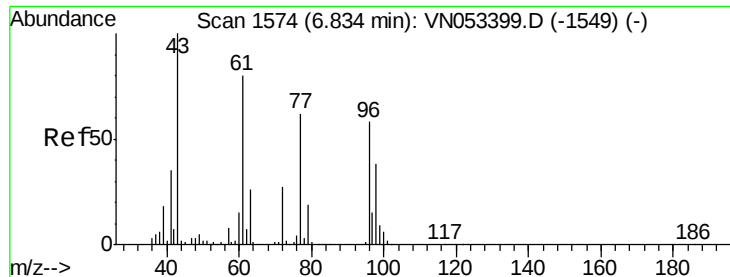


Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN053399.D (-1240) (-)

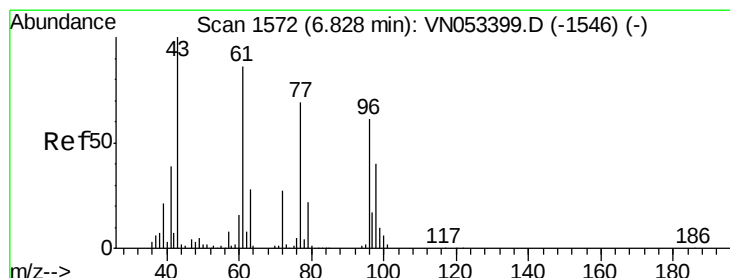
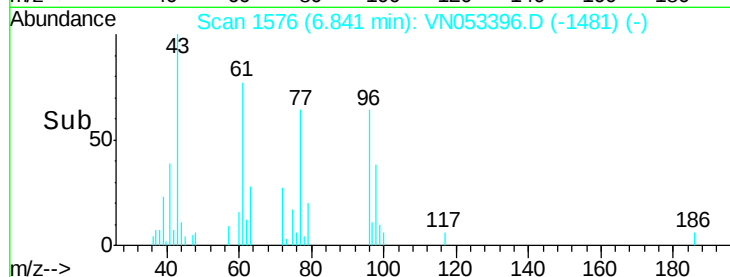
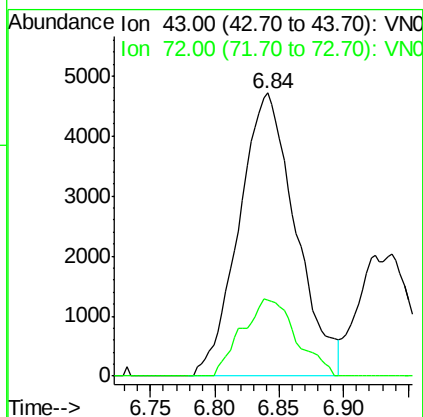
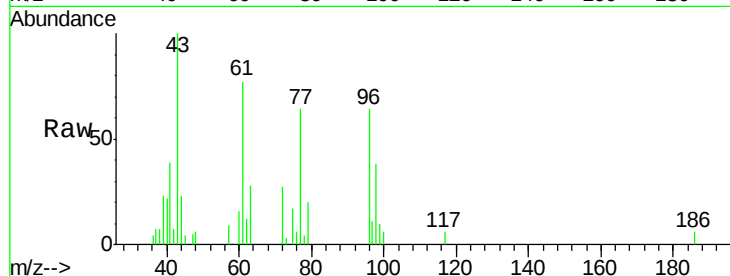




#25
2-Butanone
Concen: 4.317 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

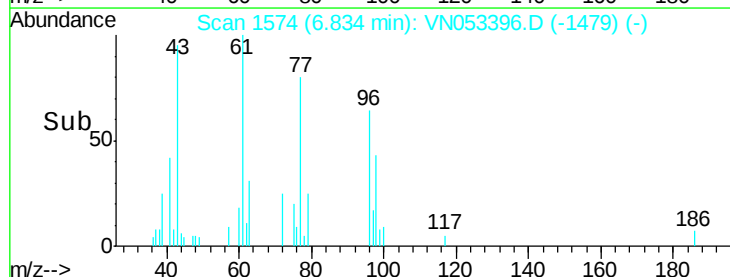
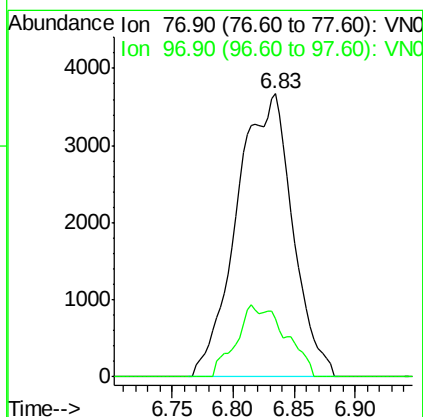
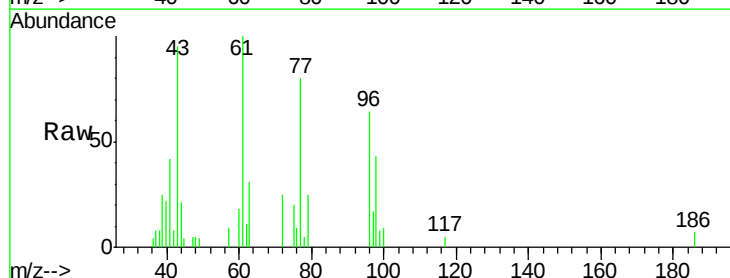
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

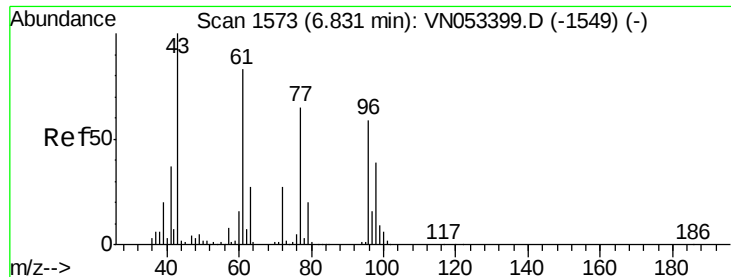
Tot Ion: 43 Resp: 14415
Ion Ratio Lower Upper
43 100
72 26.9 22.0 33.0



#26
2,2-Dichloropropane
Concen: 0.925 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 77 Resp: 11649
Ion Ratio Lower Upper
77 100
97 12.2 12.3 36.9#





#27

cis-1,2-Dichloroethene

Concen: 0.499 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

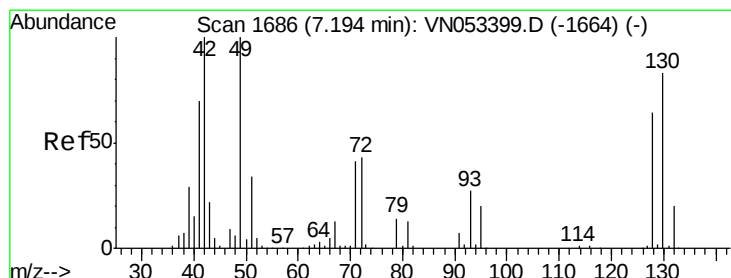
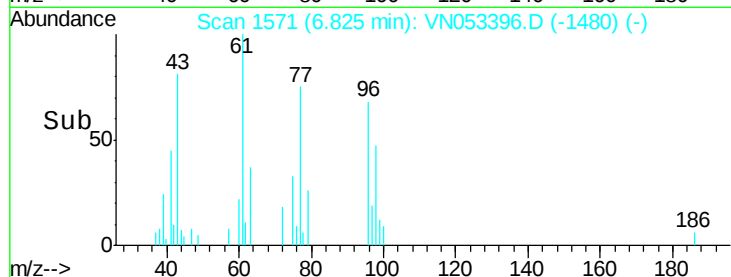
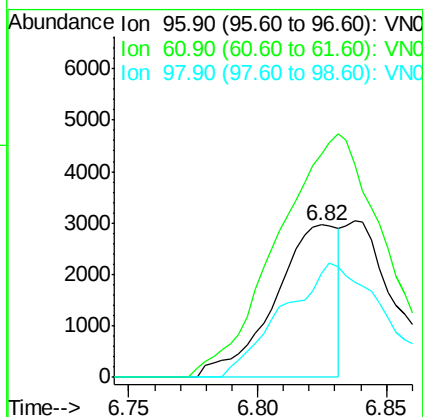
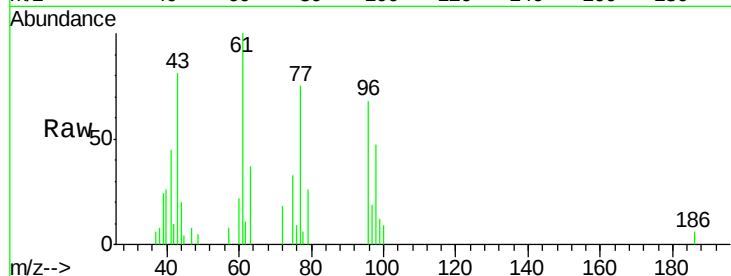
Tot Ion: 96 Resp: 5076

Ion Ratio Lower Upper

96 100

61 271.1 0.0 280.6

98 119.7 0.0 127.6



#28

Bromochloromethane

Concen: 1.052 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

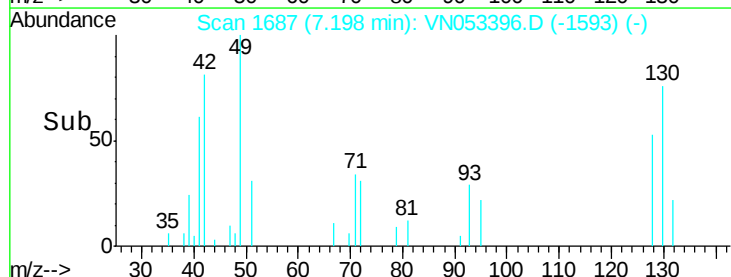
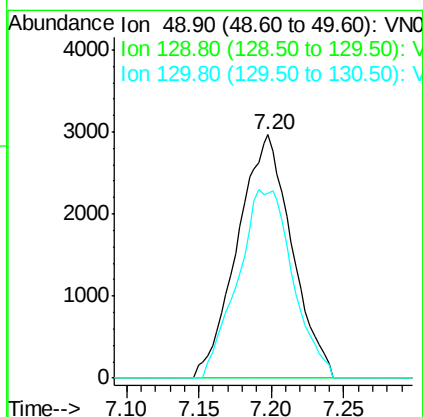
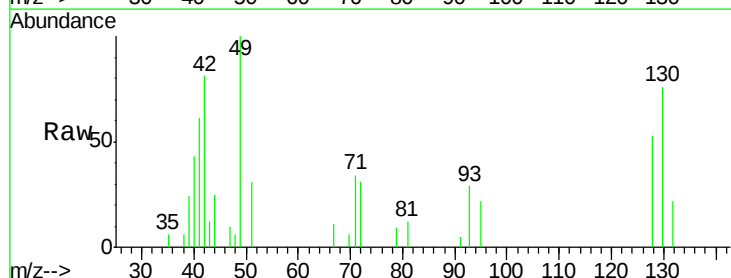
Tgt Ion: 49 Resp: 7727

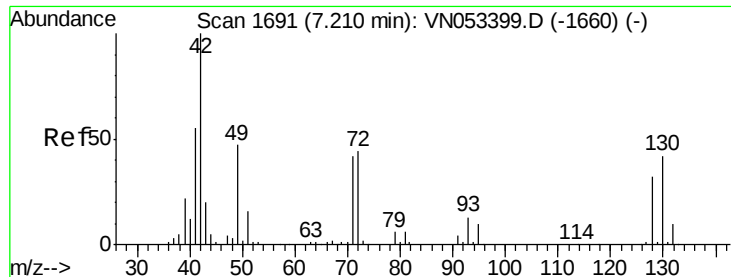
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 78.4 65.4 98.0

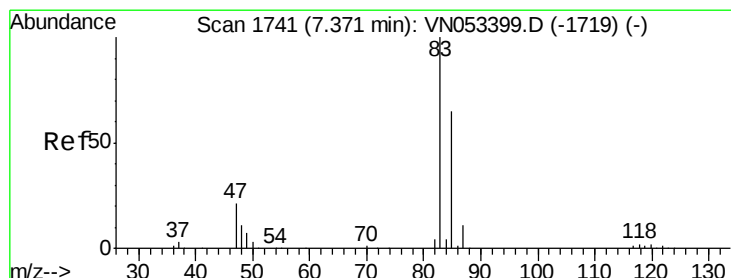
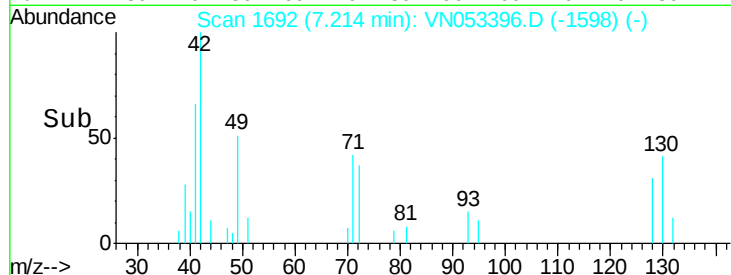
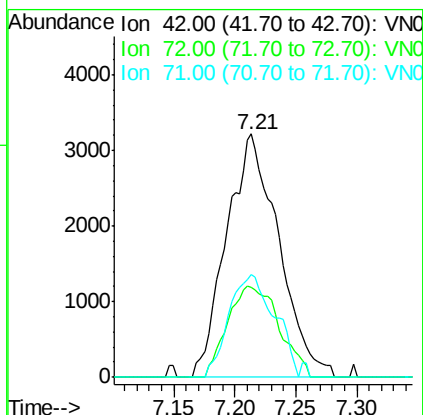
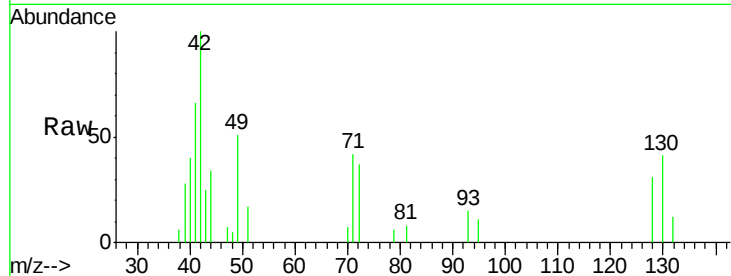




#29
Tetrahydrofuran
Concen: 4.408 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

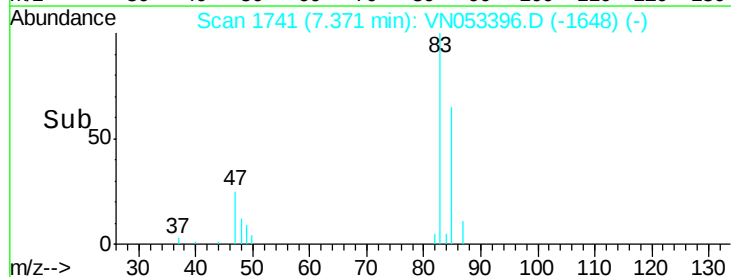
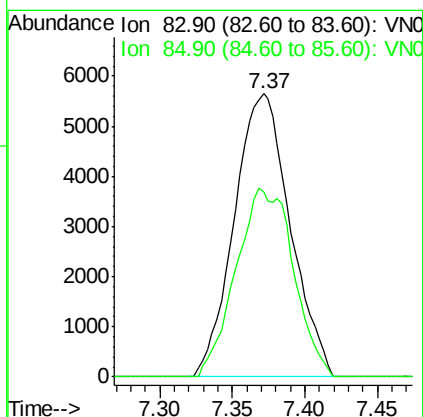
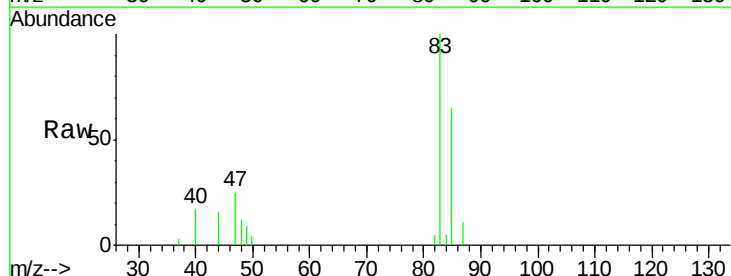
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

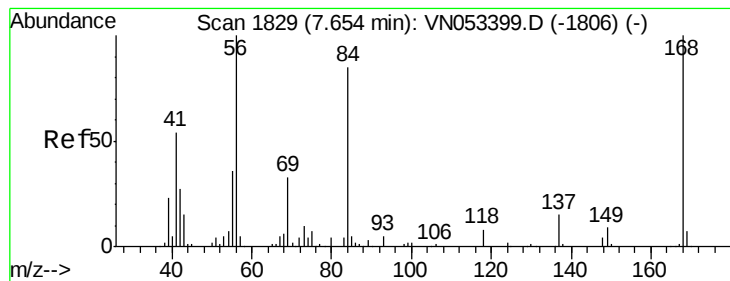
Tot Ion: 42 Resp: 9581
Ion Ratio Lower Upper
42 100
72 37.1 35.6 53.4
71 36.9 33.8 50.8



#30
Chloroform
Concen: 0.933 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 83 Resp: 15154
Ion Ratio Lower Upper
83 100
85 65.5 51.3 76.9





#31

Cyclohexane

Concen: 1.500 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

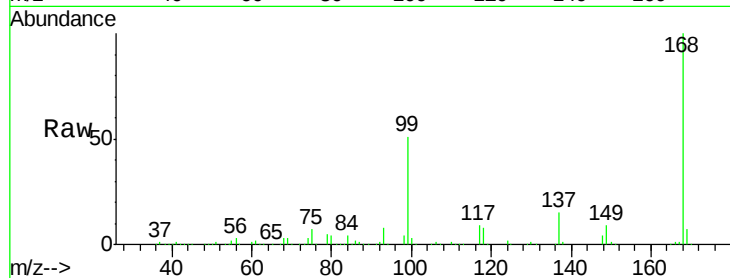
Tot Ion: 56 Resp: 27858

Ion Ratio Lower Upper

56 100

69 113.3 26.7 40.1#

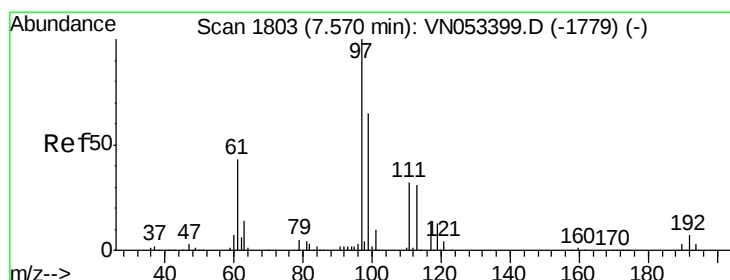
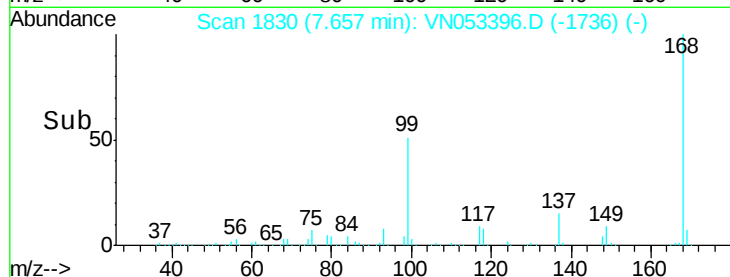
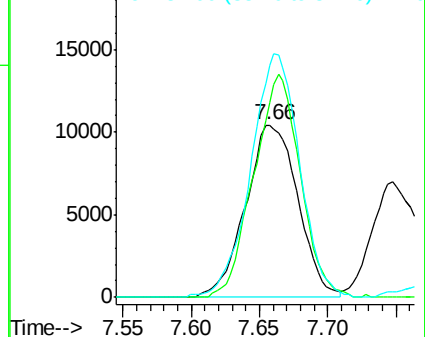
84 132.9 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.944 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

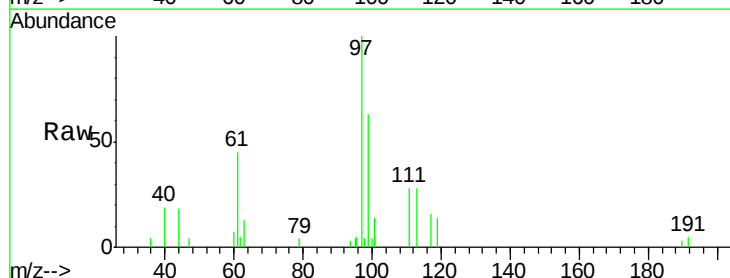
Tgt Ion: 97 Resp: 13011

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

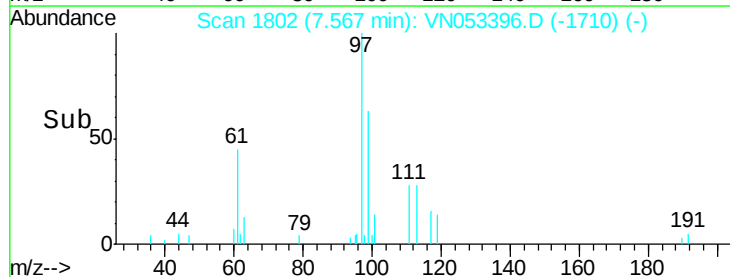
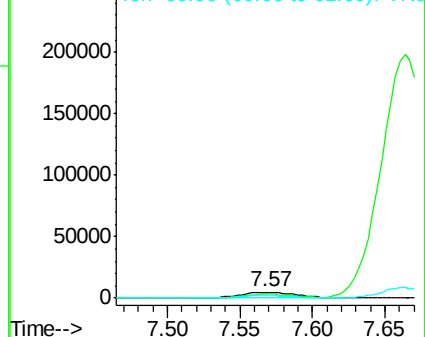
61 43.1 34.6 52.0

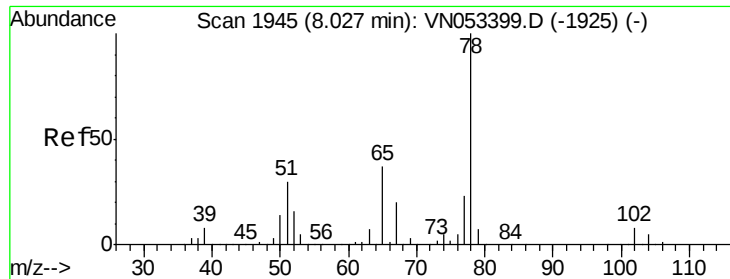


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 0.944 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

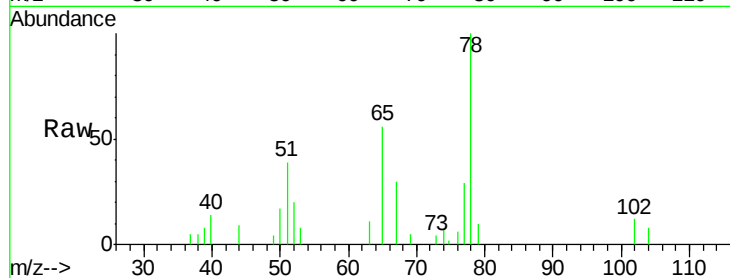
VSTDIC001

Tot Ion: 65 Resp: 9240

Ion Ratio Lower Upper

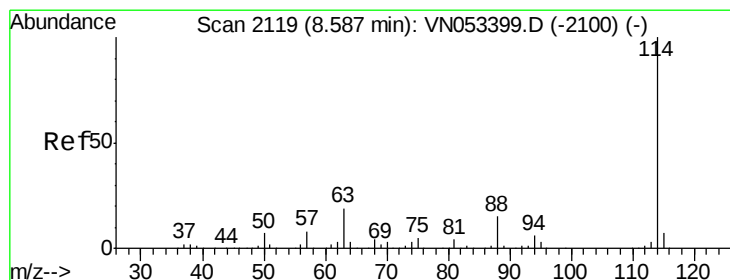
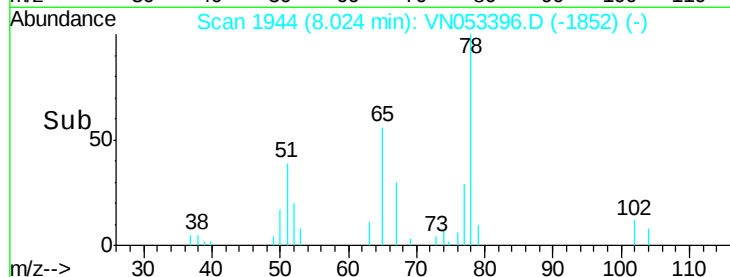
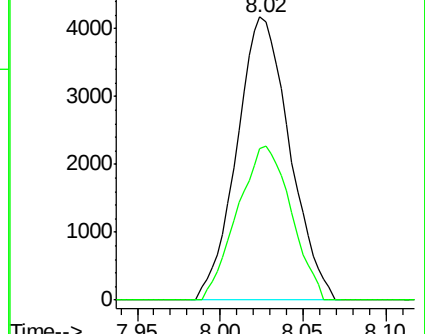
65 100

67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

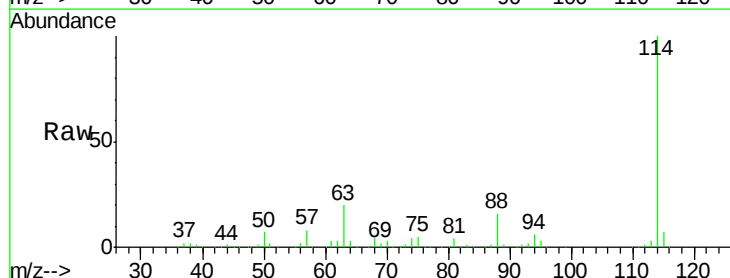
Tgt Ion: 114 Resp: 1399593

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

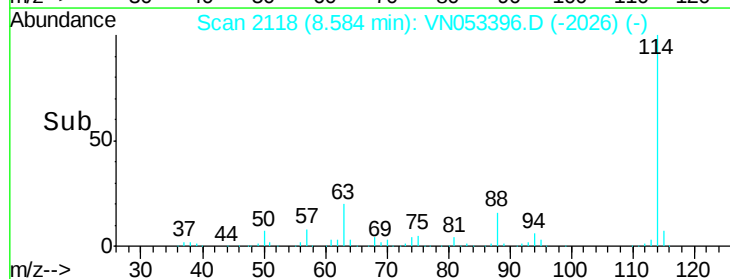
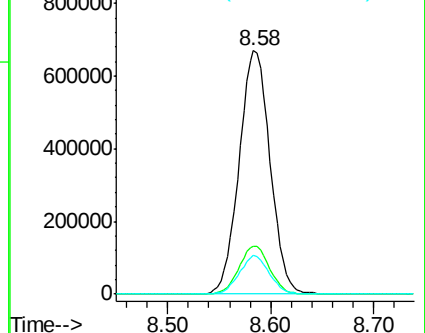
88 15.7 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

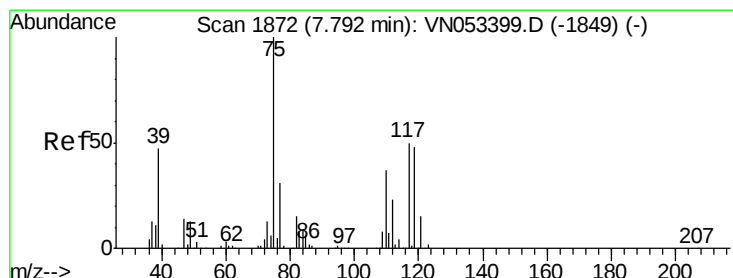
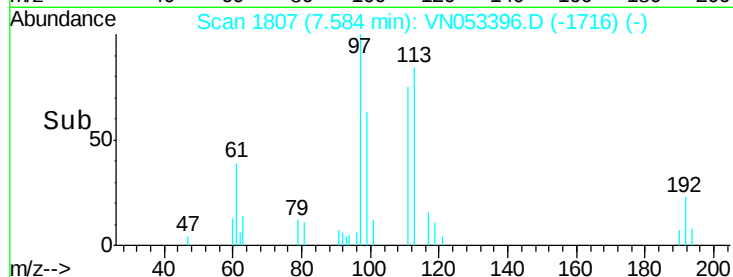
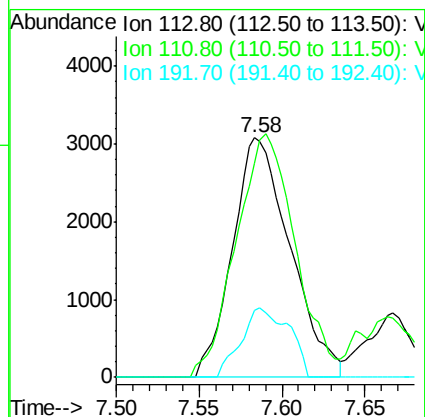
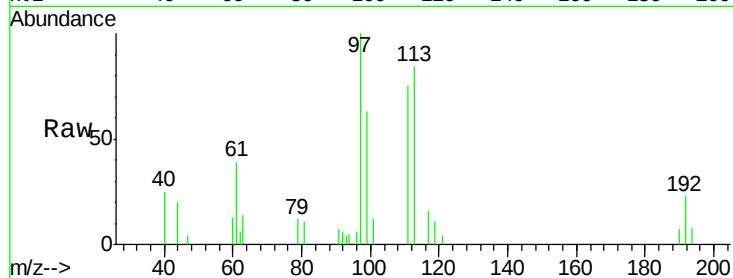




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

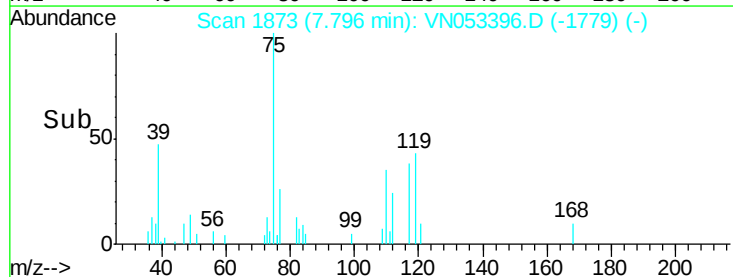
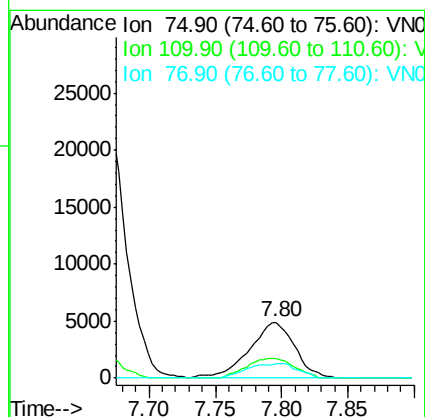
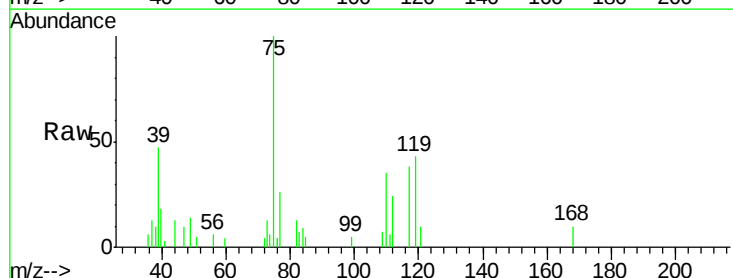
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

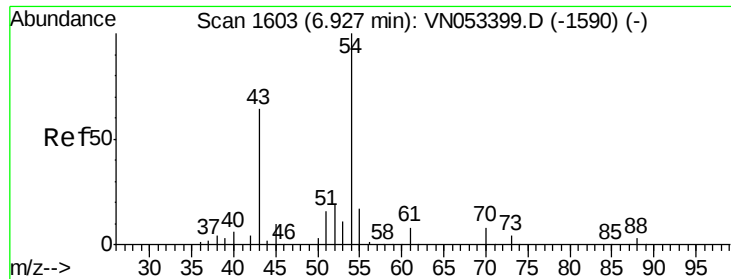
Tot Ion:113 Resp: 7444
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.4 122.2
 192 23.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 0.917 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion: 75 Resp: 11685
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.4 55.0
 77 28.9 25.3 37.9





#37

Ethyl Acetate

Concen: 0.218 ug/l

RT: 6.92 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

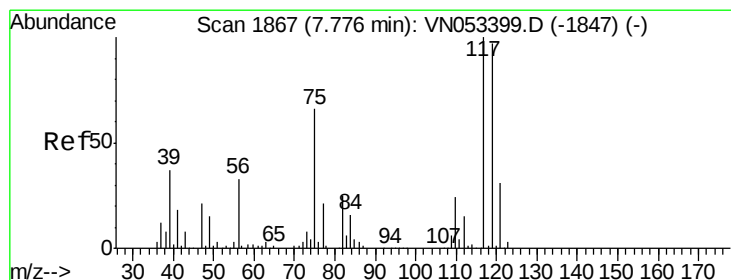
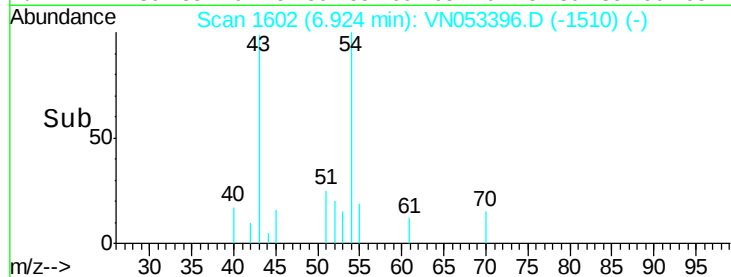
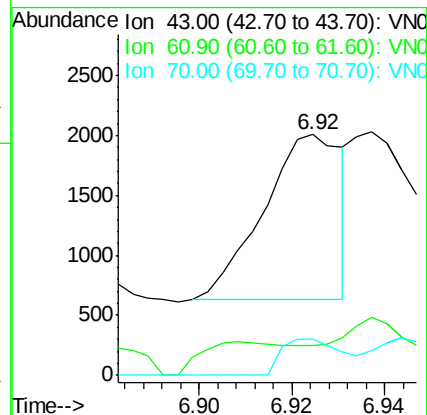
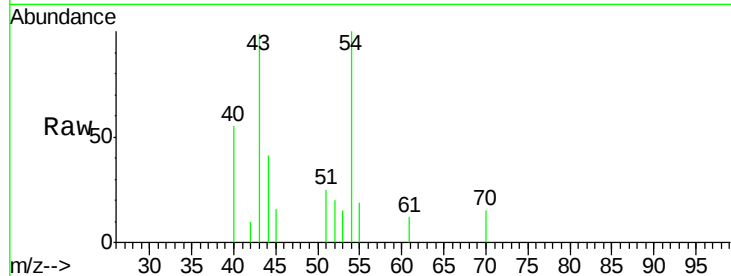
Tot Ion: 43 Resp: 1613

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 17.5 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 0.969 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

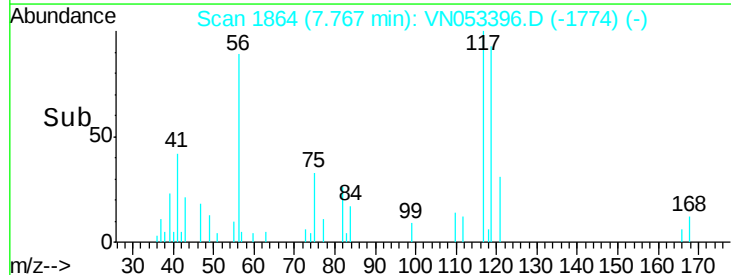
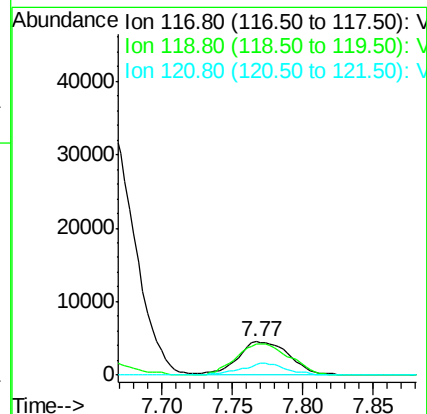
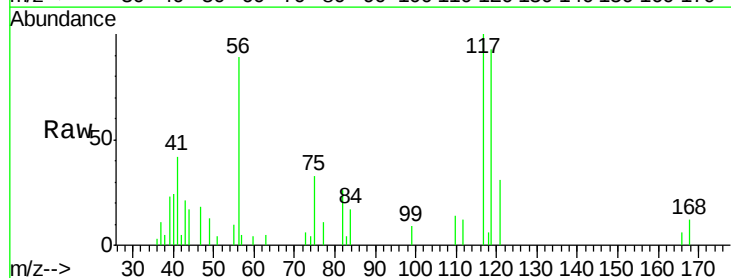
Tgt Ion: 117 Resp: 11690

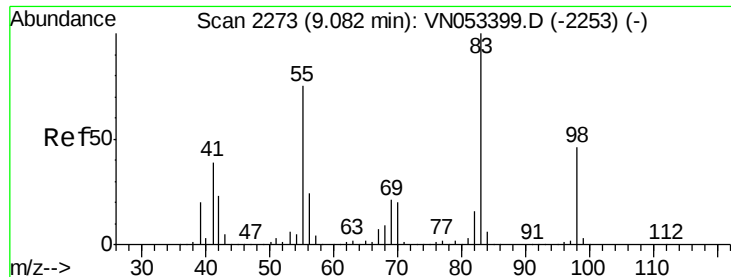
Ion Ratio Lower Upper

117 100

119 93.2 76.6 115.0

121 31.5 25.0 37.4

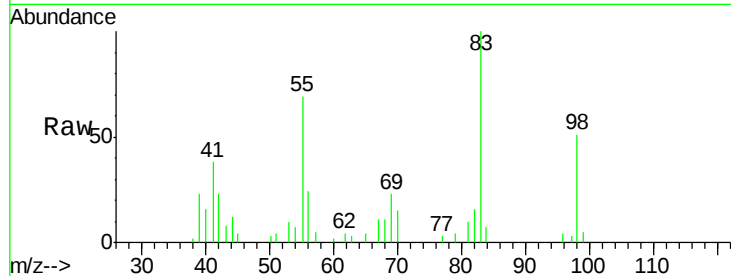




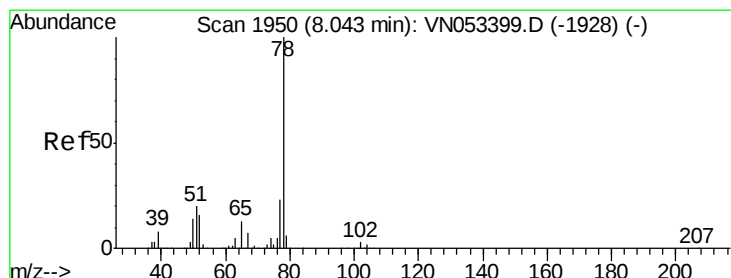
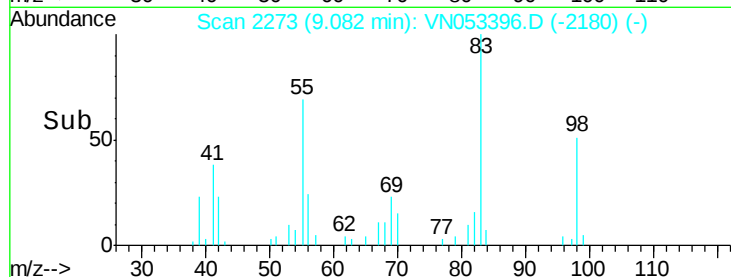
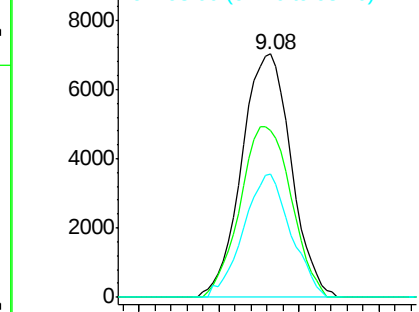
#39
Methvlcvclohexane
Concen: 0.940 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 14808
Ion Ratio Lower Upper
83 100
55 68.6 60.1 90.1
98 50.6 36.7 55.1

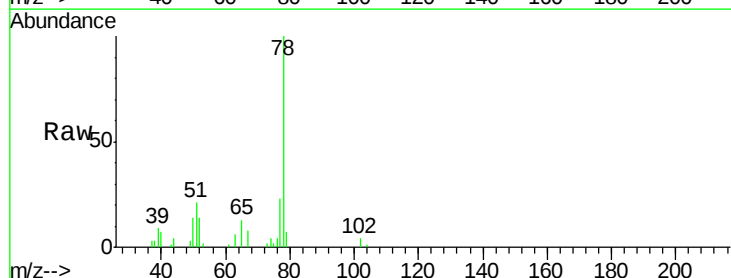


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

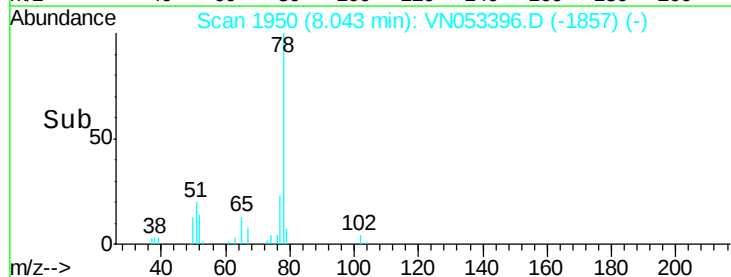
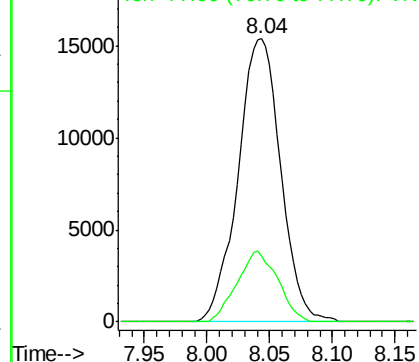


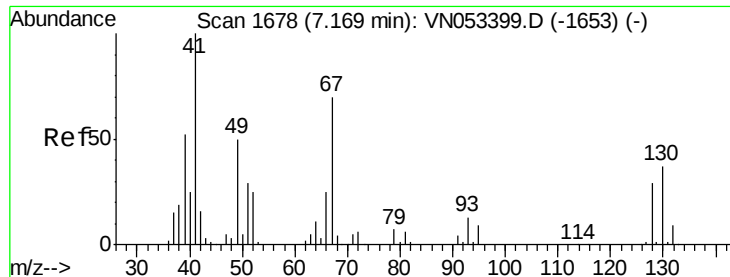
#40
Benzene
Concen: 0.939 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 78 Resp: 36365
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

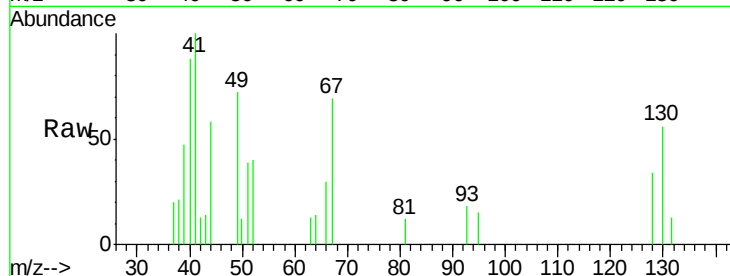




#41
Methacrylonitrile
Concen: 0.604 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	2763
Ion	Ratio	Lower	Upper
41	100		
39	33.9	0.0	0.0#
67	92.6	0.0	0.0#
52	14.2	0.0	0.0#



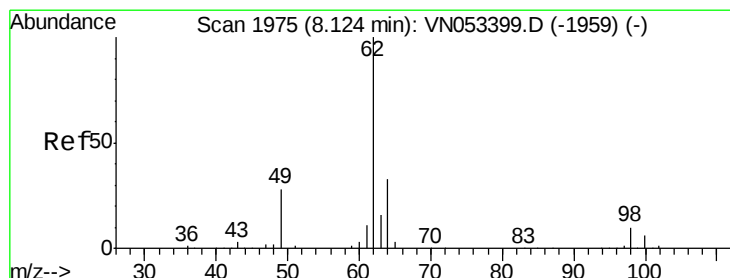
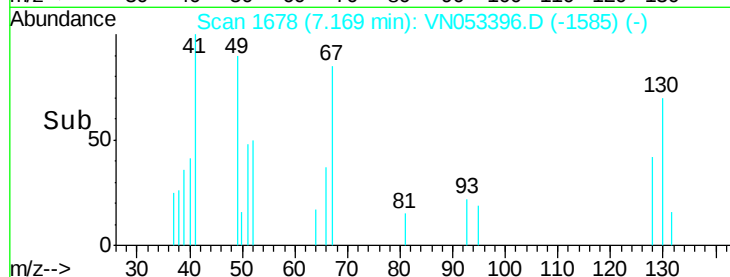
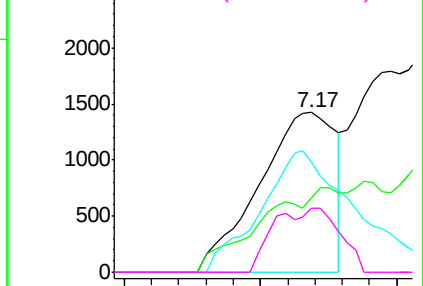
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

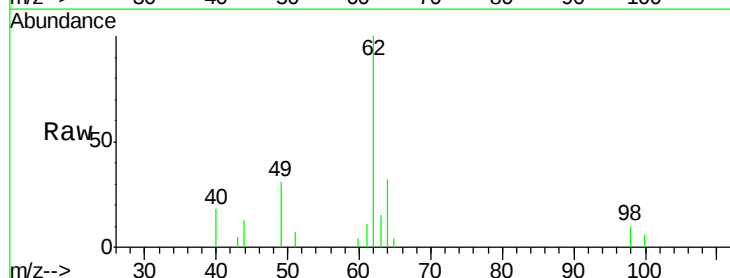
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 0.936 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

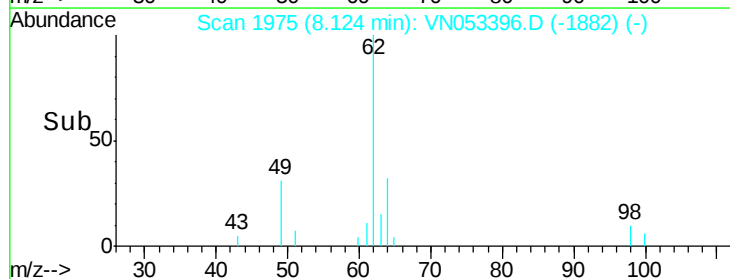
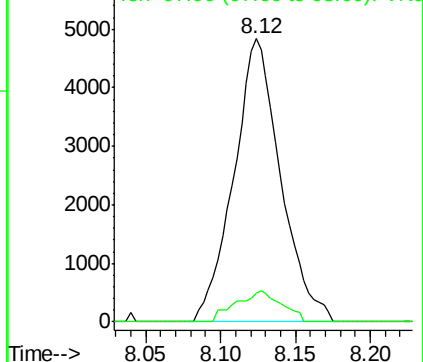
Tgt Ion:	62	Resp:	10560
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2

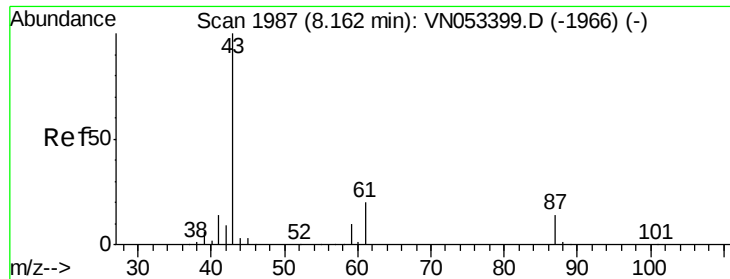


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 0.707 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

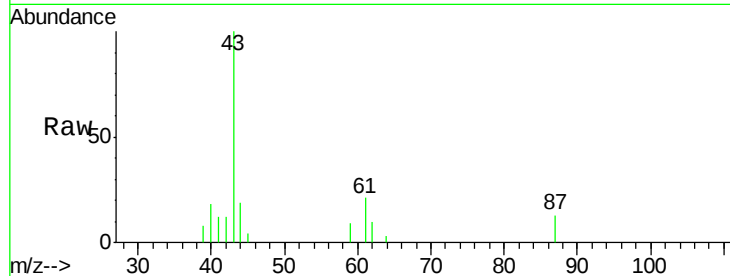
MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 9732

Ion	Ratio	Lower	Upper
43	100		
61	36.1	23.3	34.9#
87	13.6	10.8	16.2

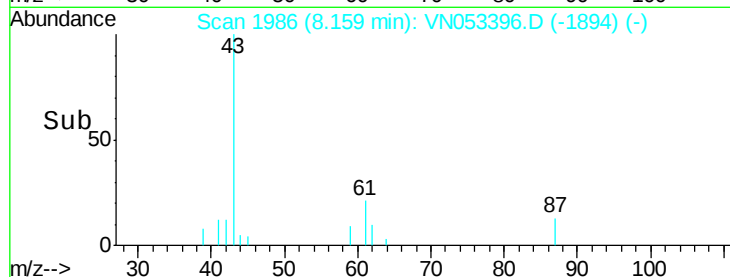


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)

Time-->



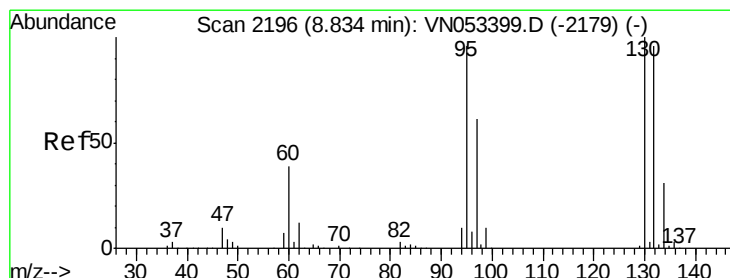
Abundance

Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 0.954 ug/l

RT: 8.84 min Scan# 2197

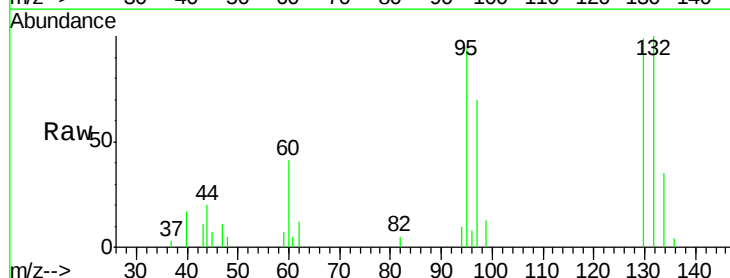
Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Tgt Ion: 130 Resp: 10246

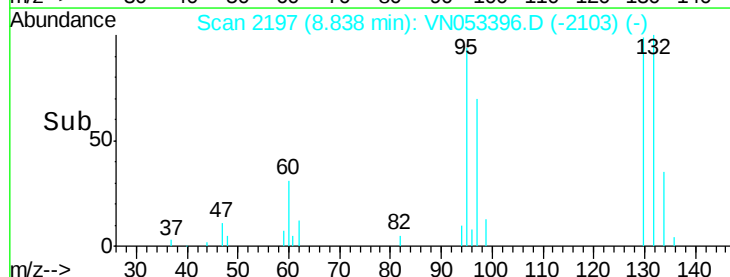
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

Time-->

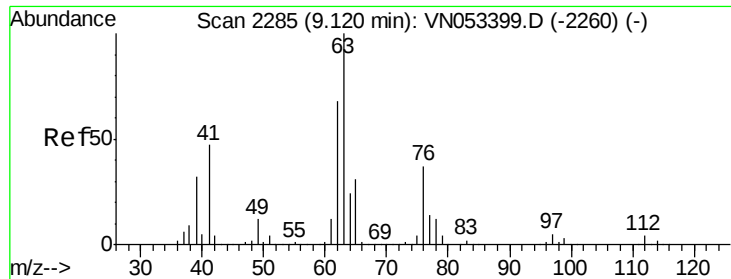


Abundance

Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

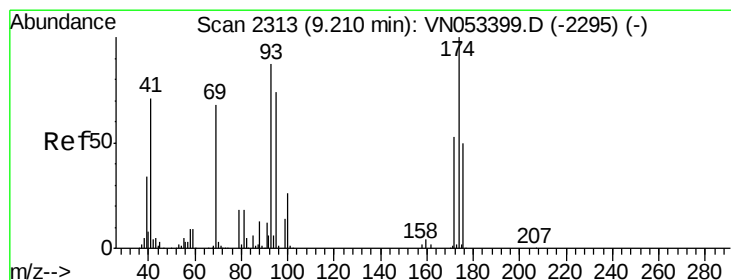
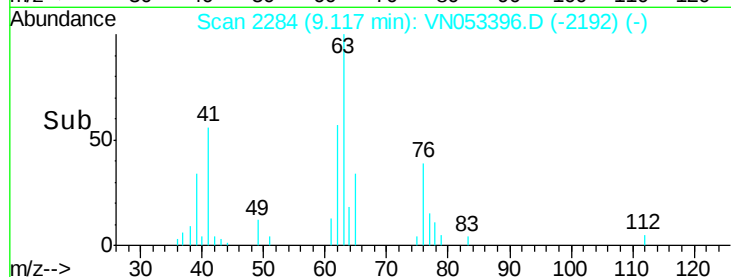
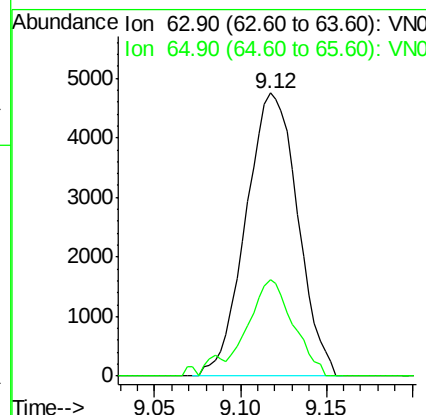
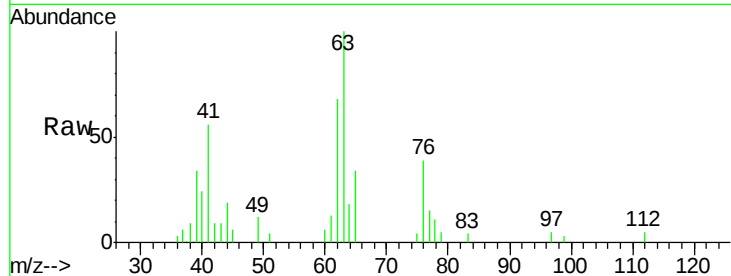
Time-->



#45
 1,2-Dichloropropane
 Concen: 0.969 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

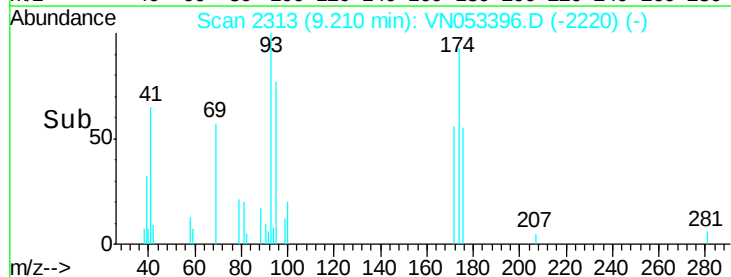
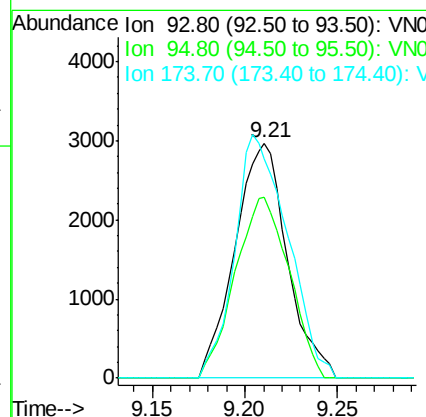
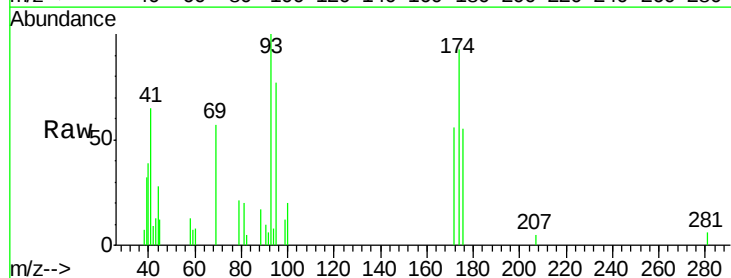
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

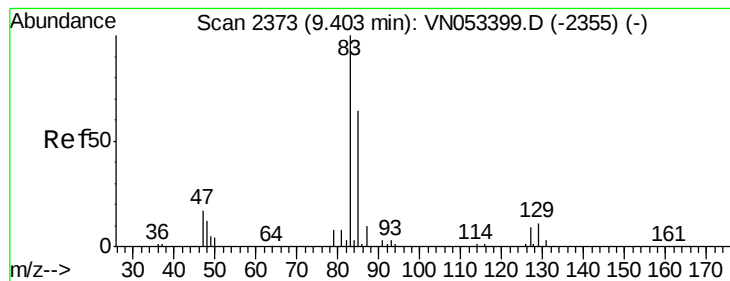
Tot Ion: 63 Resp: 9939
 Ion Ratio Lower Upper
 63 100
 65 33.9 25.0 37.6



#46
 Dibromomethane
 Concen: 0.985 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion: 93 Resp: 5805
 Ion Ratio Lower Upper
 93 100
 95 79.2 66.6 100.0
 174 104.7 91.4 137.0





#47

Bromodichloromethane

Concen: 0.950 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

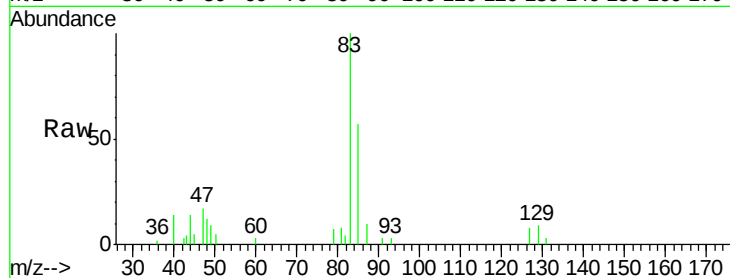
Tot Ion: 83 Resp: 11773

Ion Ratio Lower Upper

83 100

85 57.4 51.7 77.5

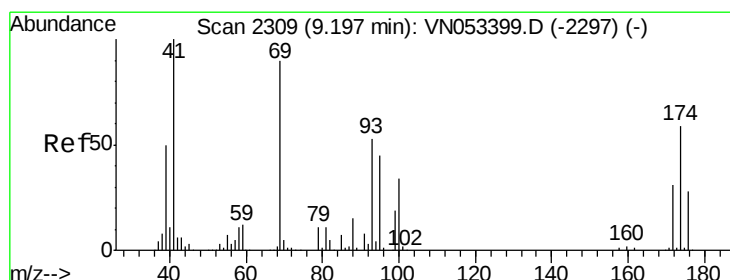
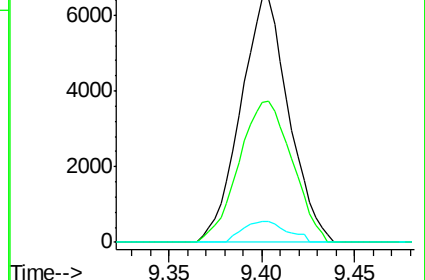
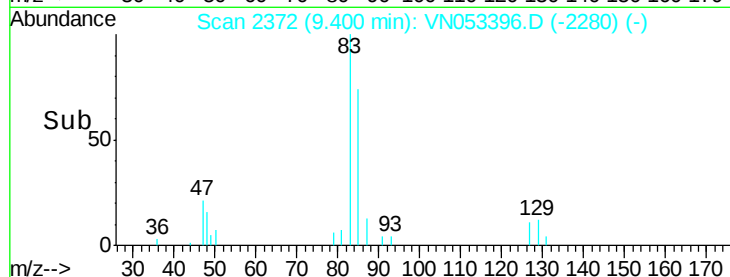
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053396.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053396.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053396.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.867 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

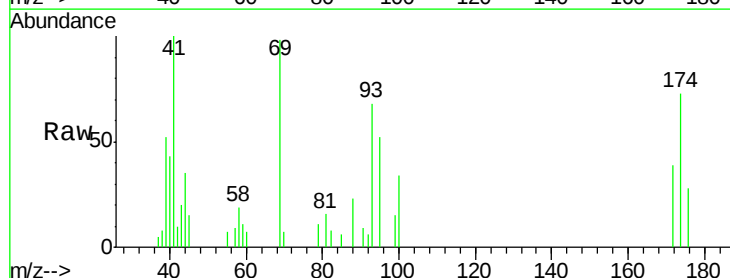
Tgt Ion: 41 Resp: 5901

Ion Ratio Lower Upper

41 100

69 86.7 73.5 110.3

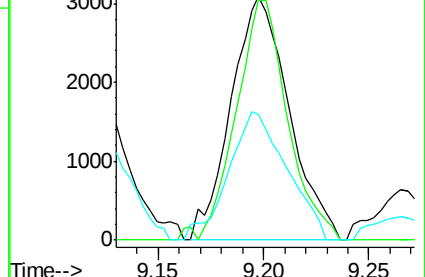
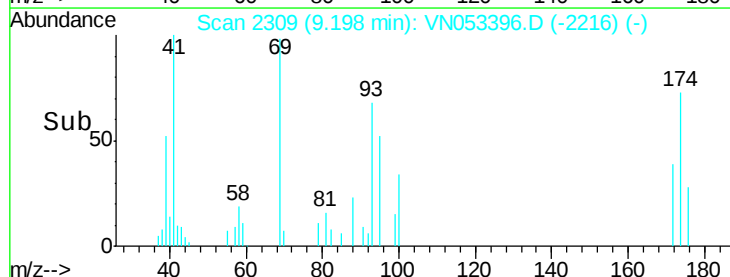
39 52.9 41.6 62.4

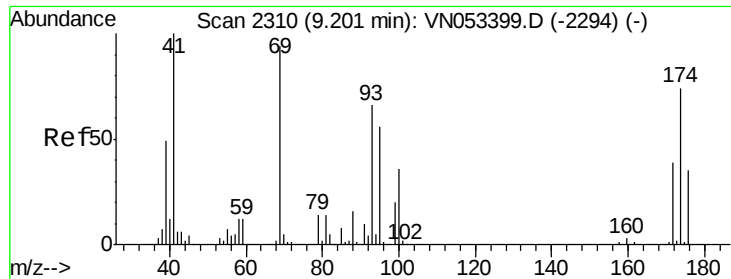


Abundance Ion 41.00 (40.70 to 41.70): VN053396.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053396.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053396.D (-2216) (-)





#49

1,4-Dioxane

Concen: 20.138 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

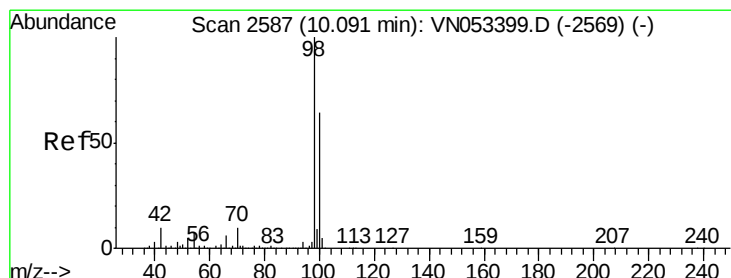
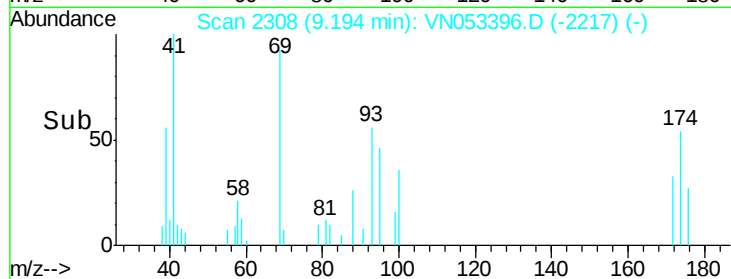
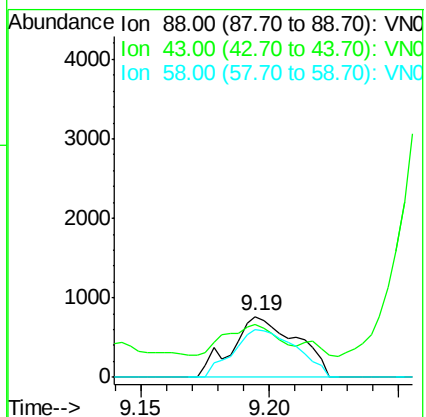
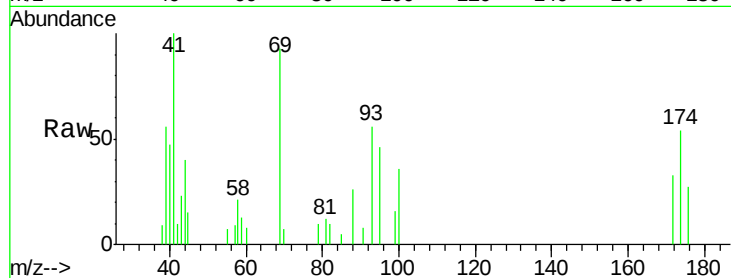
Tot Ion: 88 Resp: 1339

Ion Ratio Lower Upper

88 100

43 41.2 26.2 39.4#

58 76.6 55.5 83.3



#50

Toluene-d8

Concen: 20.138 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053396.D

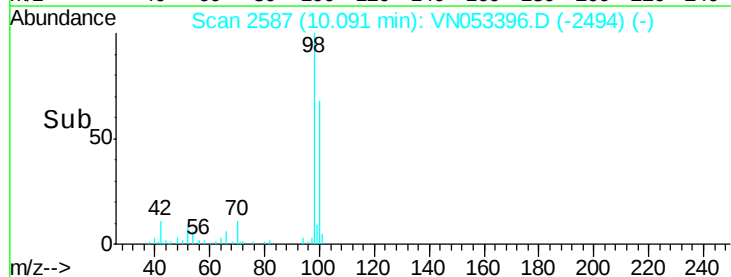
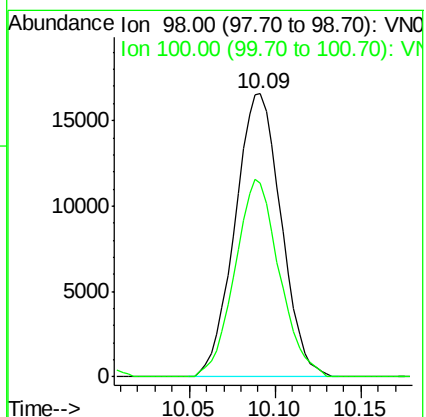
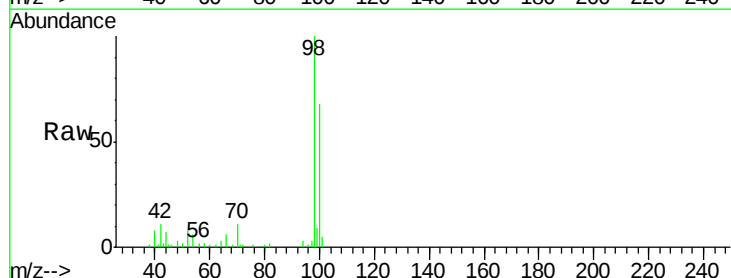
Acq: 15 Jan 2019 9:16

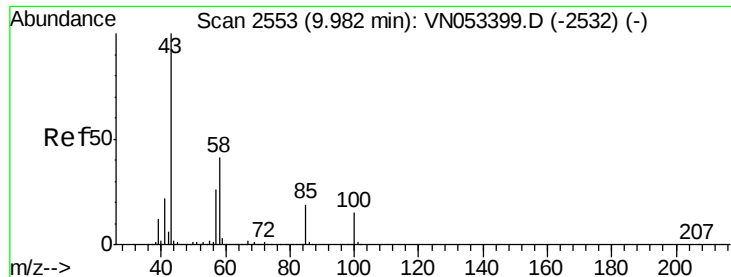
Tgt Ion: 98 Resp: 30940

Ion Ratio Lower Upper

98 100

100 67.3 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 4.057 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

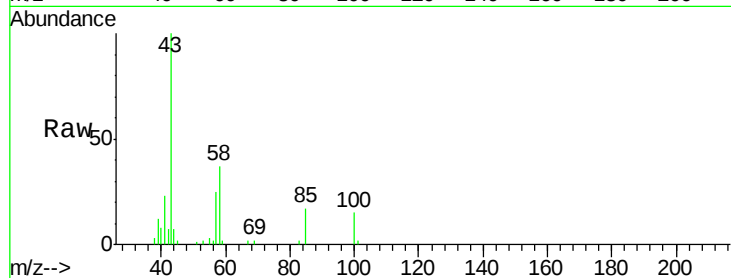
VSTDIC001

Tot Ion: 43 Resp: 29204

Ion Ratio Lower Upper

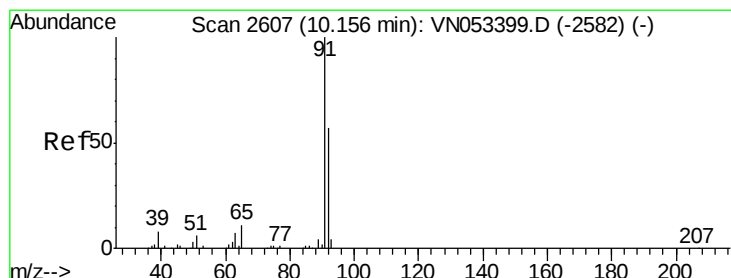
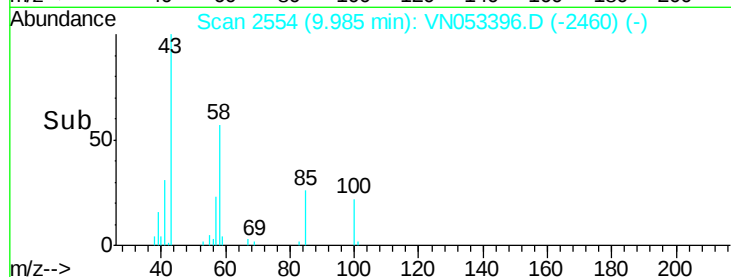
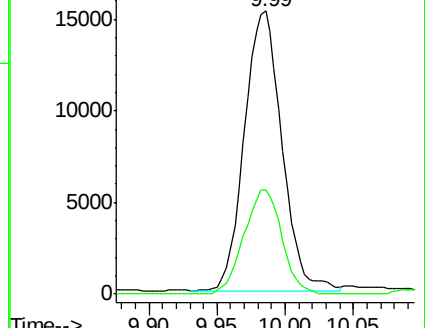
43 100

58 37.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2532) (-)



#52

Toluene

Concen: 0.907 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053396.D

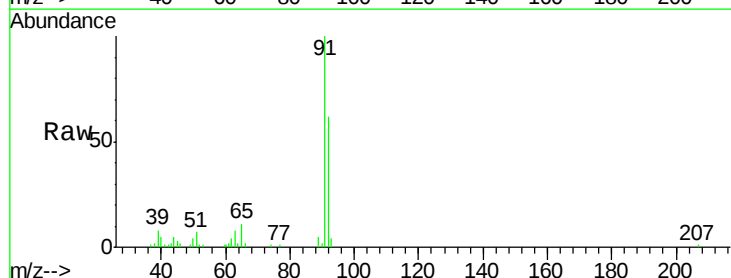
Acq: 15 Jan 2019 9:16

Tgt Ion: 92 Resp: 21821

Ion Ratio Lower Upper

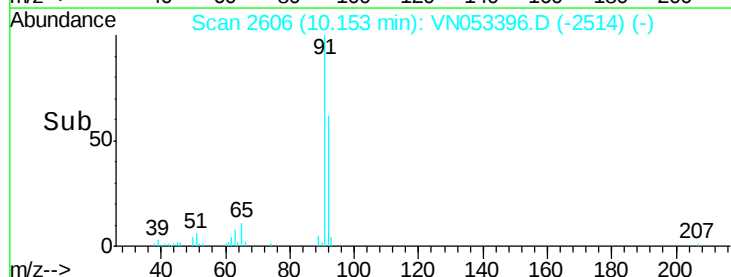
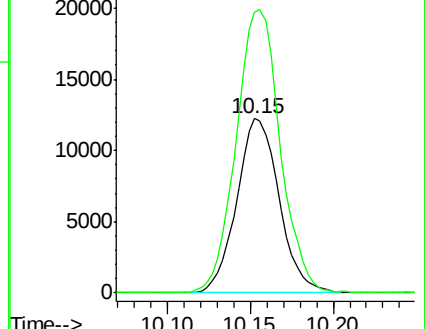
92 100

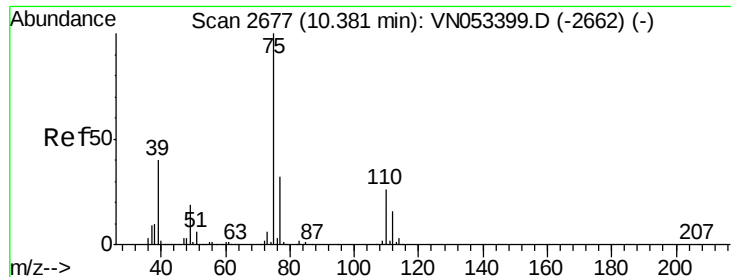
91 168.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053399.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN053399.D (-2582) (-)





#53

t-1,3-Dichloropropene

Concen: 0.831 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

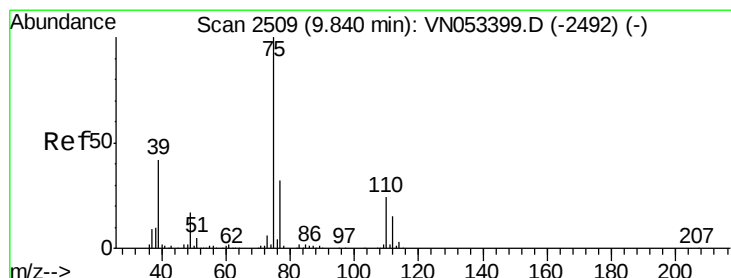
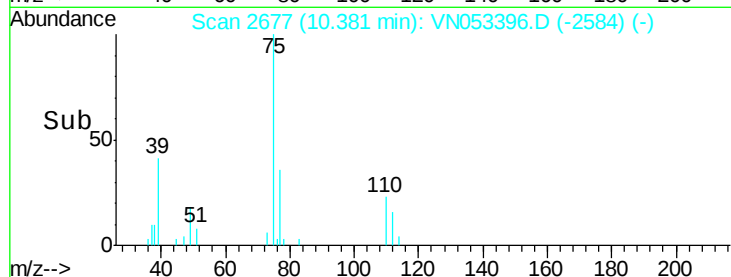
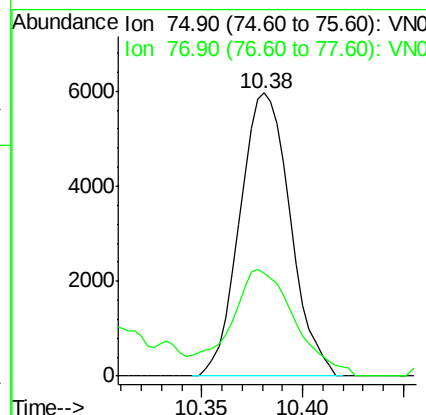
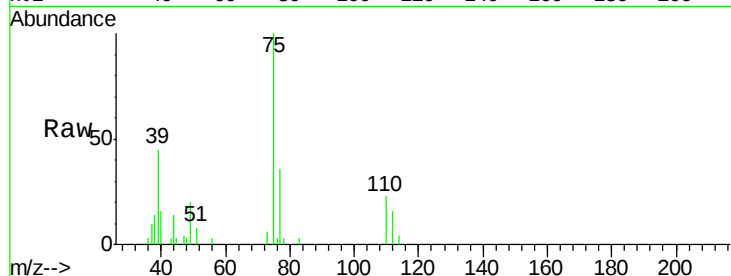
VSTDIC001

Tot Ion: 75 Resp: 10443

Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 0.881 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

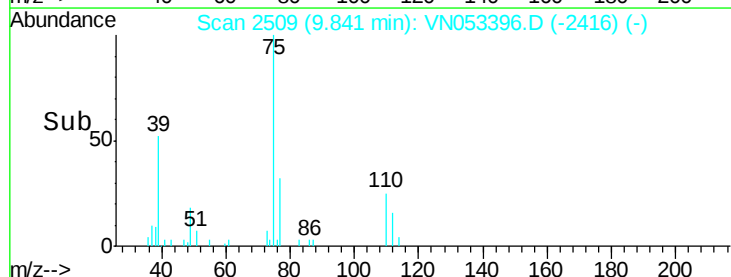
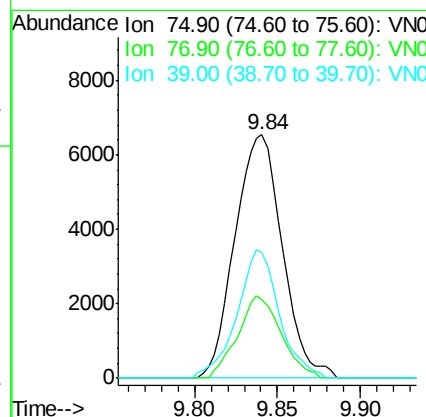
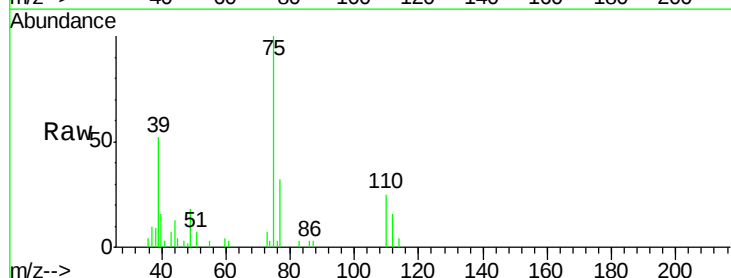
Tgt Ion: 75 Resp: 12972

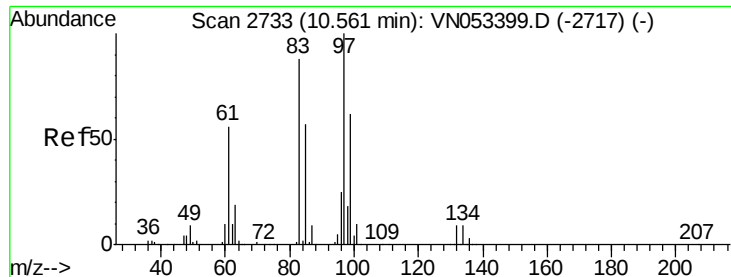
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 51.6 33.1 49.7#

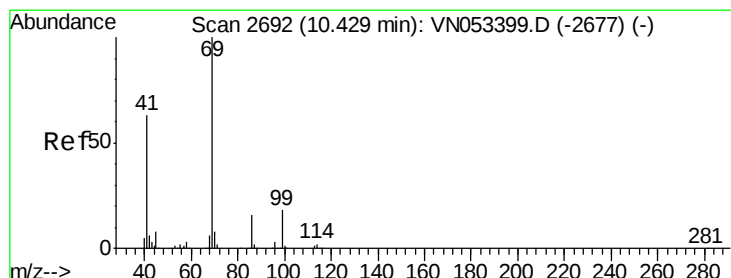
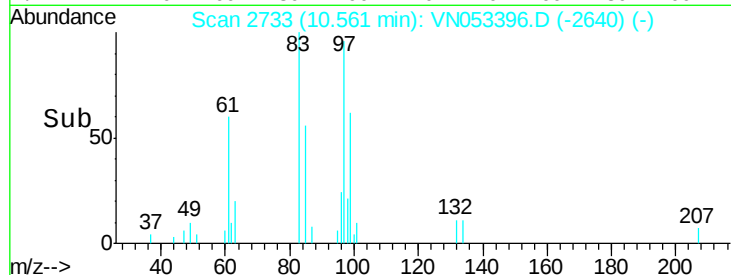
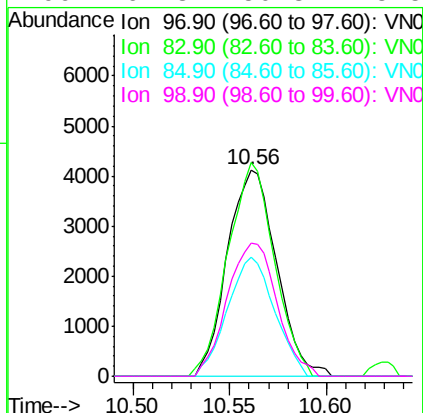
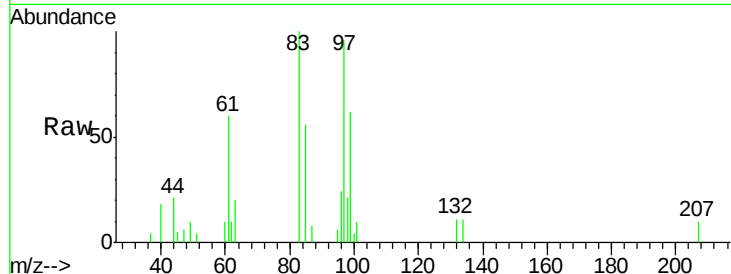




#55
1,1,2-Trichloroethane
Concen: 0.877 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

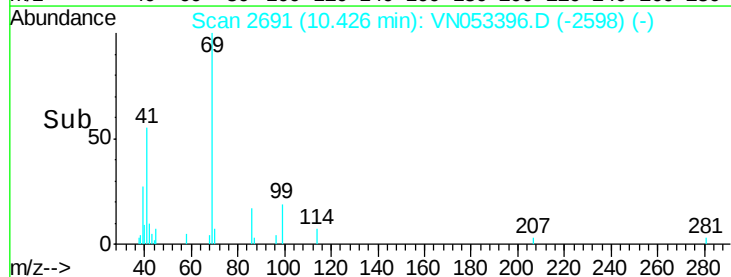
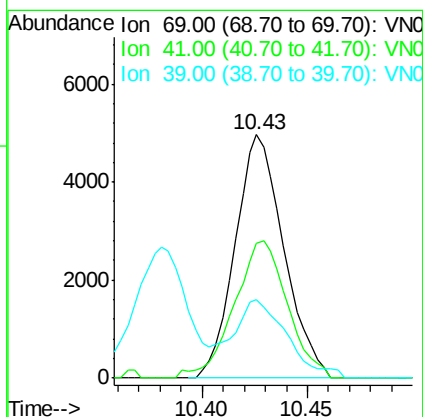
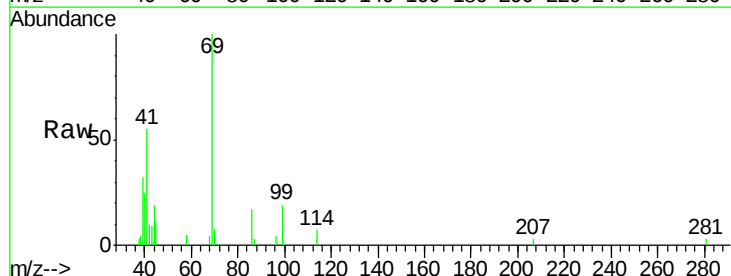
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

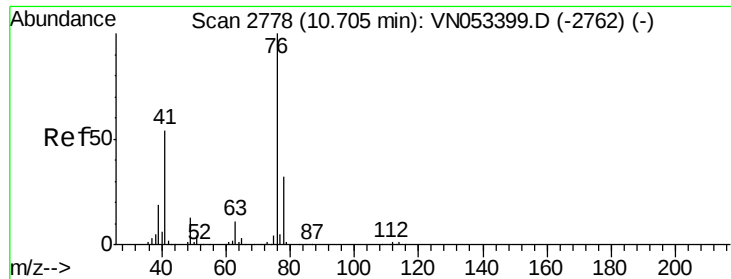
Tot Ion: 97 Resp: 7268
Ion Ratio Lower Upper
97 100
83 103.6 69.1 103.7
85 57.6 44.2 66.4
99 64.3 50.3 75.5



#56
Ethyl methacrylate
Concen: 2.705 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 69 Resp: 7944
Ion Ratio Lower Upper
69 100
41 61.9 49.2 73.8
39 35.1 23.4 35.0#

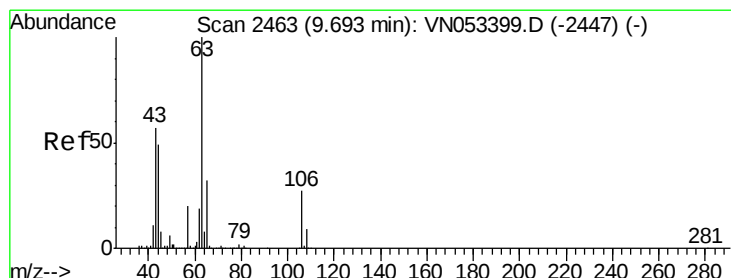
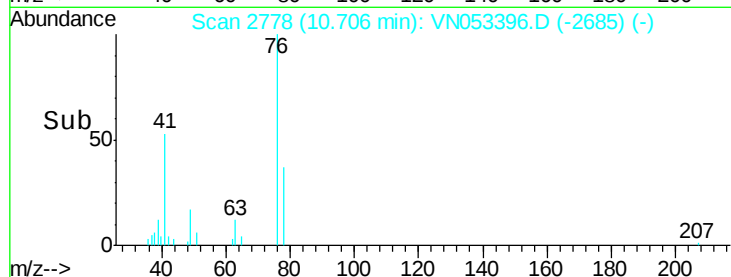
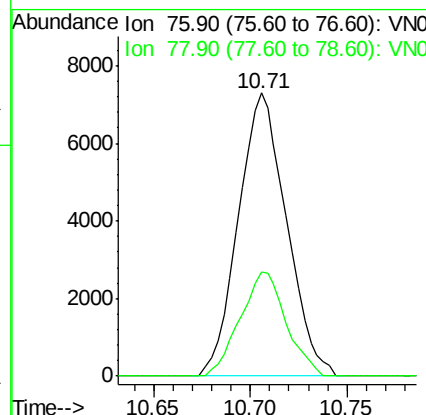
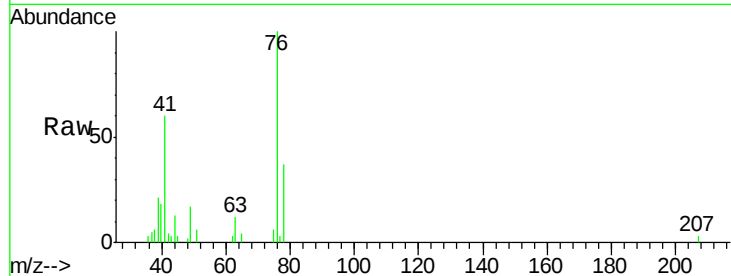




#57
 1,3-Dichloropropane
 Concen: 0.880 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

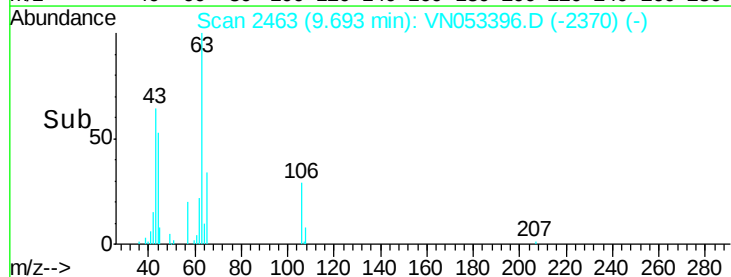
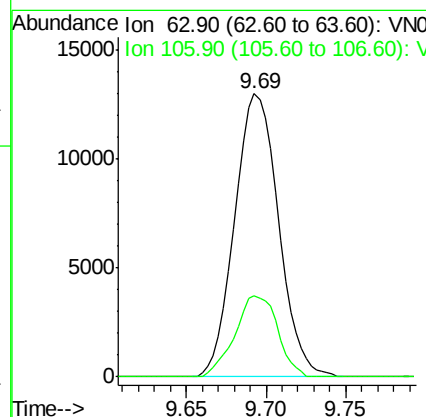
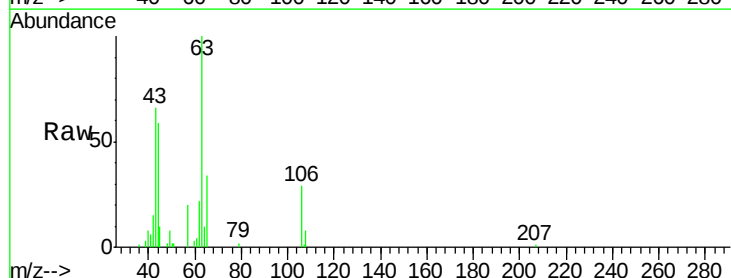
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

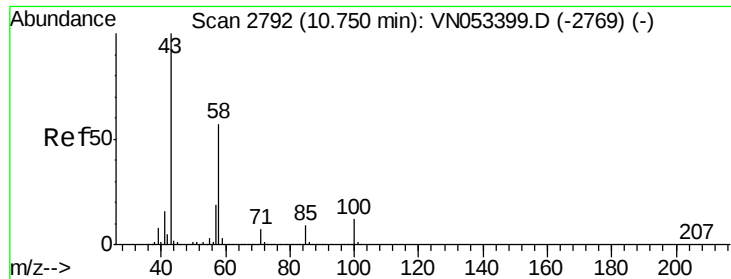
Tot Ion: 76 Resp: 12618
 Ion Ratio Lower Upper
 76 100
 78 35.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.194 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion: 63 Resp: 24322
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.7 32.5

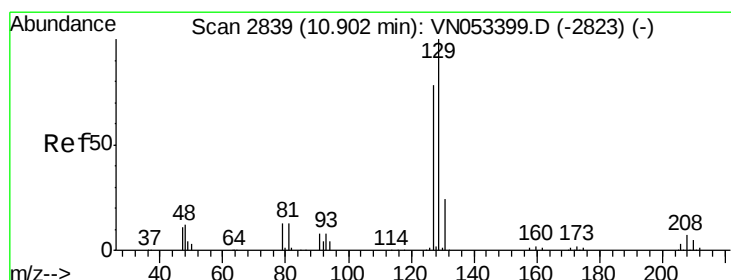
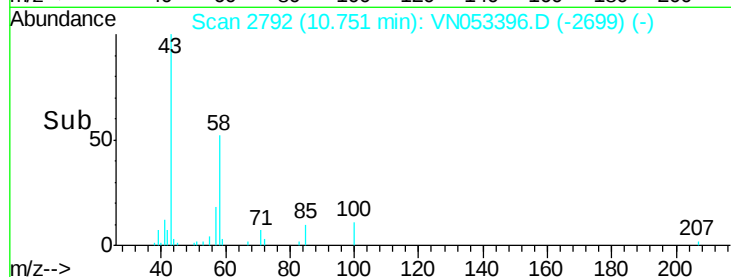
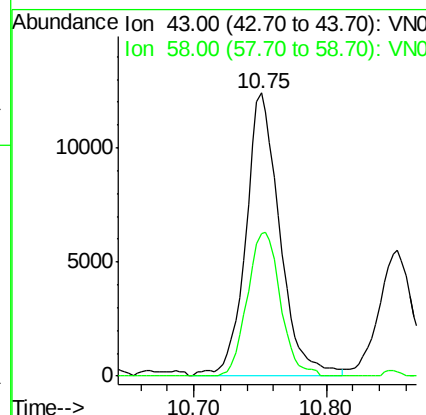
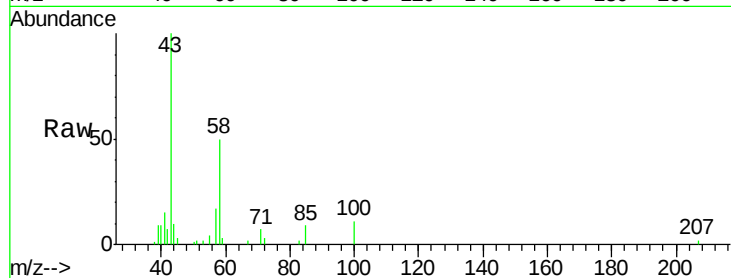




#59
2-Hexanone
Concen: 4.387 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

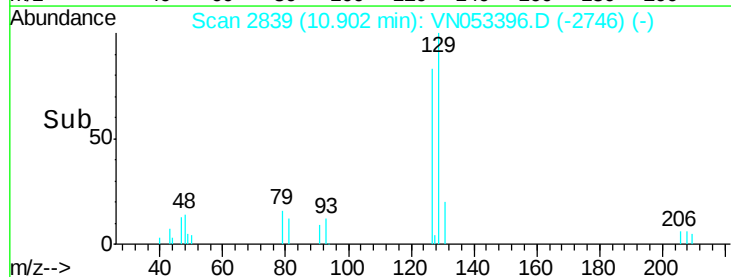
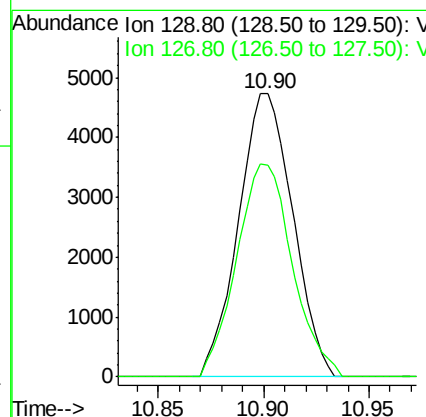
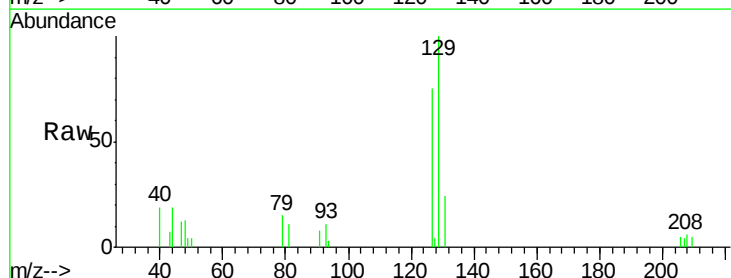
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

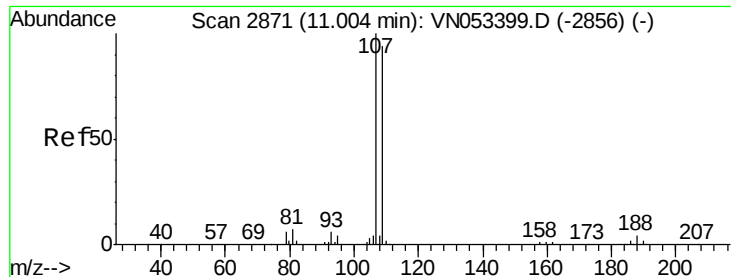
Tot Ion: 43.00 Resp: 22170
Ion Ratio Lower Upper
43 100
58 49.3 28.3 85.0



#60
Dibromochloromethane
Concen: 0.901 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 129 Resp: 8469
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2

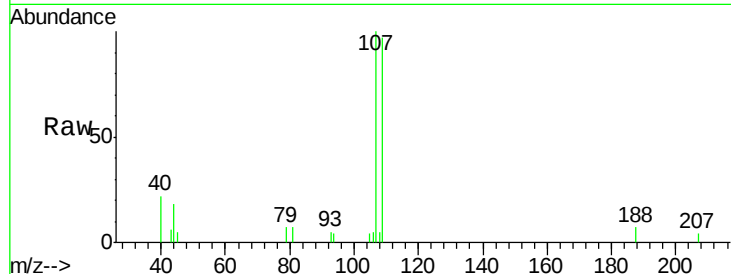




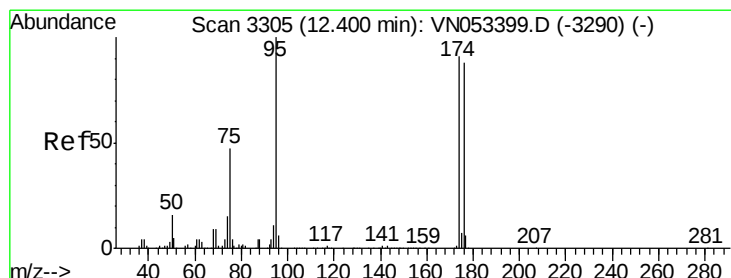
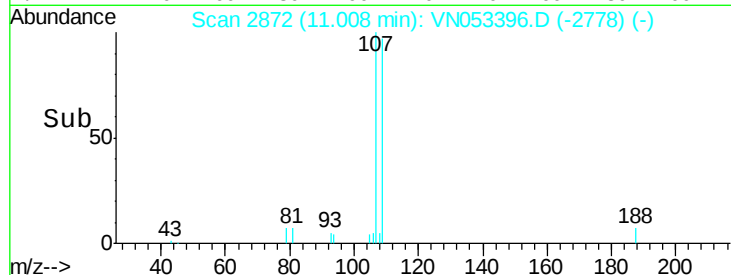
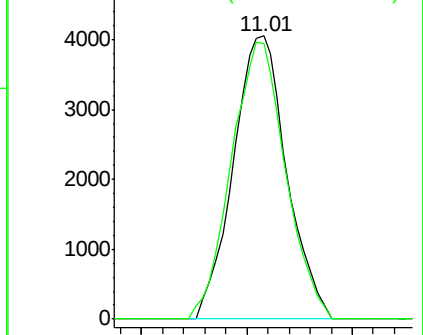
#61
 1,2-Dibromoethane
 Concen: 0.849 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 107 Resp: 7120
 Ion Ratio Lower Upper
 107 100
 109 99.4 75.0 112.6

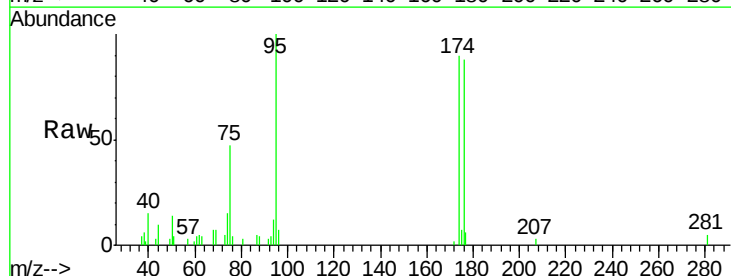


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

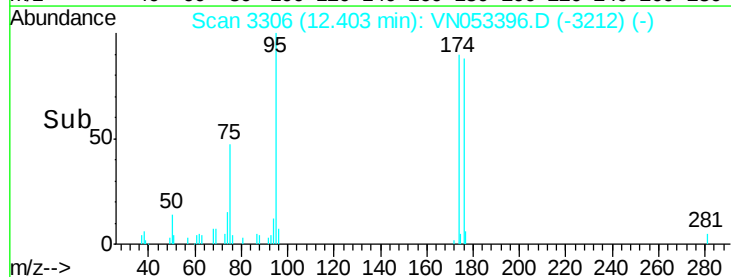
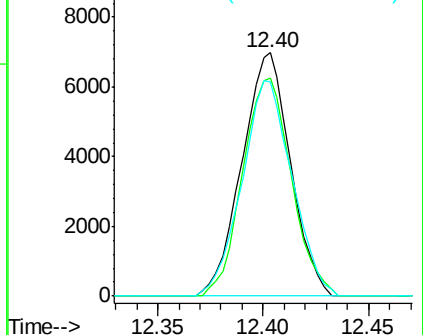


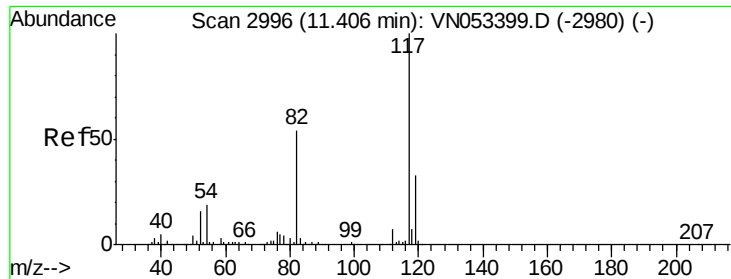
#62
 4-Bromofluorobenzene
 Concen: 0.849 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion: 95 Resp: 11153
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 180.4
 176 91.4 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

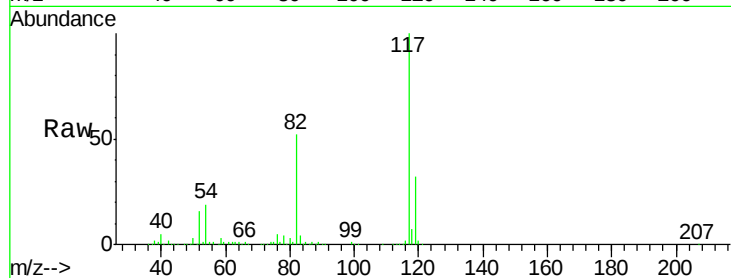




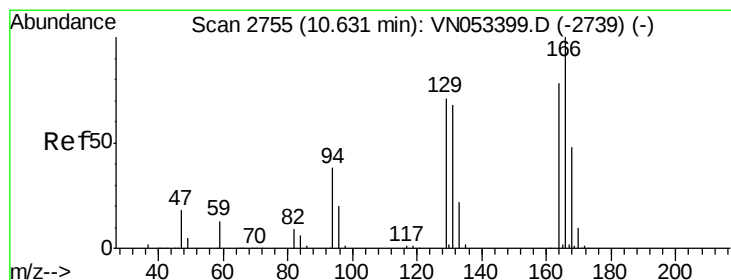
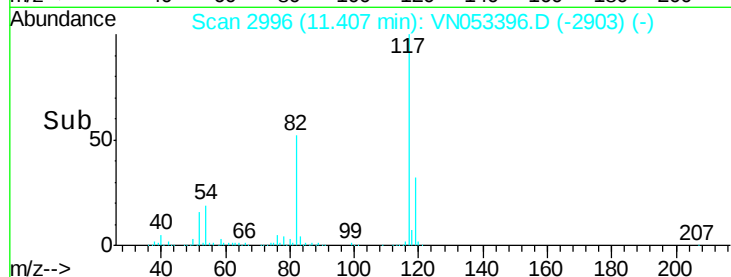
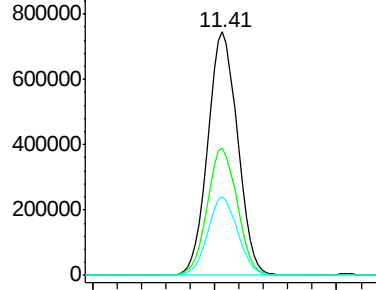
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 1257362
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 32.3 25.6 38.4

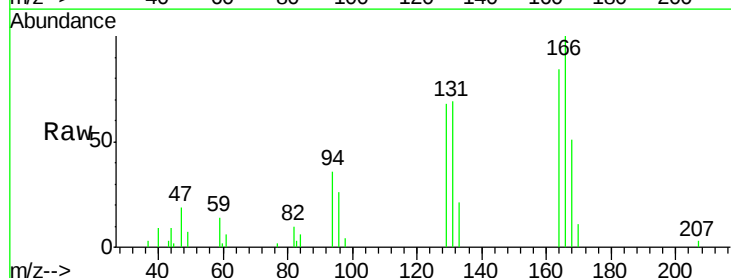


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

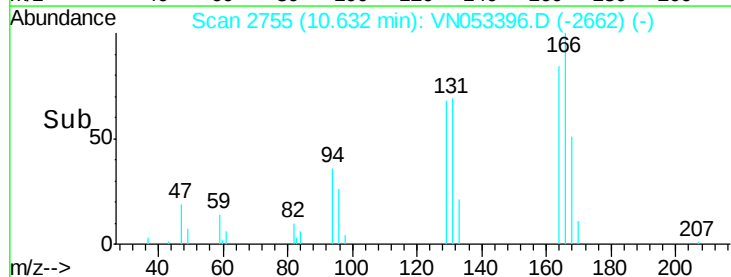
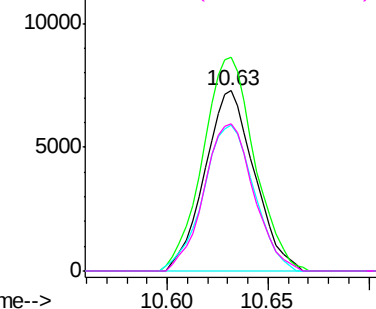


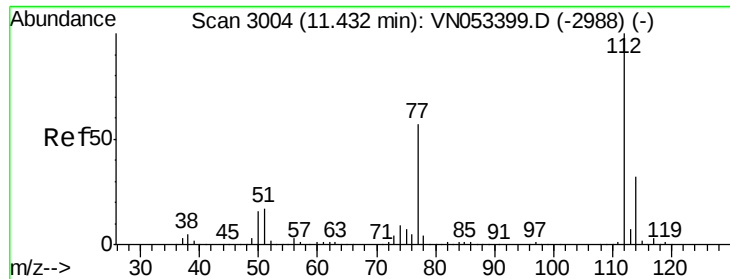
#64
Tetrachloroethene
Concen: 1.059 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion:164 Resp: 12543
Ion Ratio Lower Upper
164 100
166 118.4 101.7 152.5
129 80.7 72.1 108.1
131 81.3 69.9 104.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

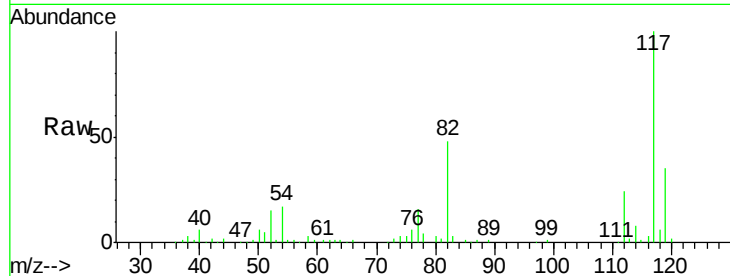




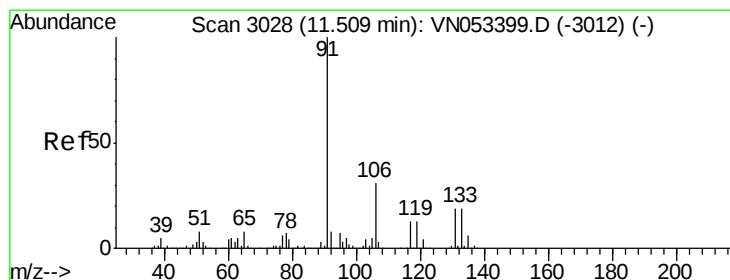
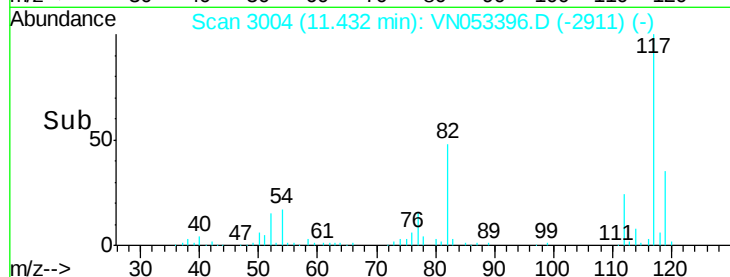
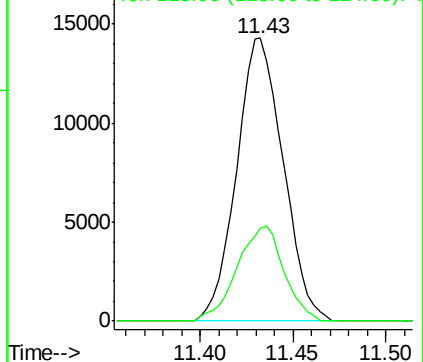
#65
Chlorobenzene
Concen: 0.937 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:112 Resp: 24941
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

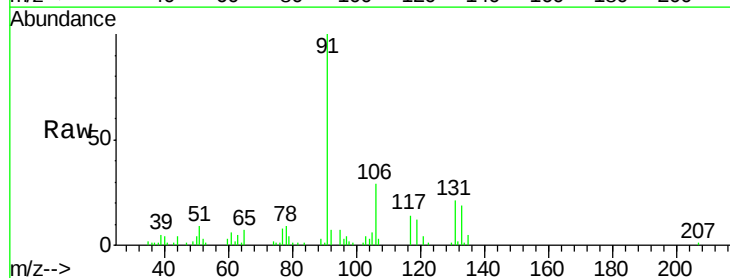


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

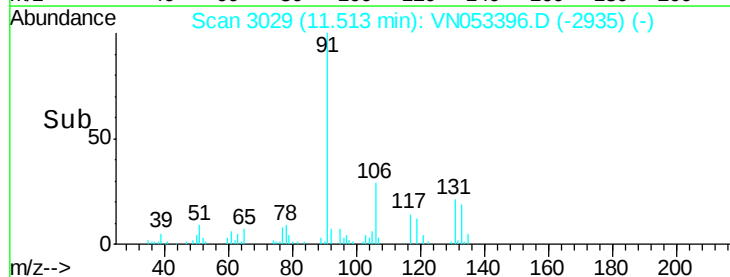
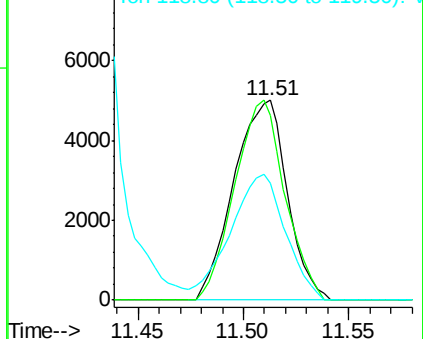


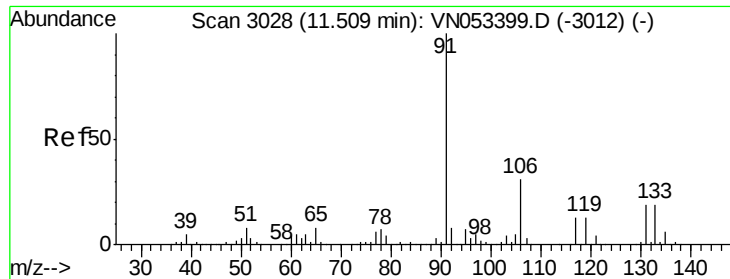
#66
1,1,1,2-Tetrachloroethane
Concen: 0.951 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion:131 Resp: 8806
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.0
119 0.0 33.3 99.9#



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

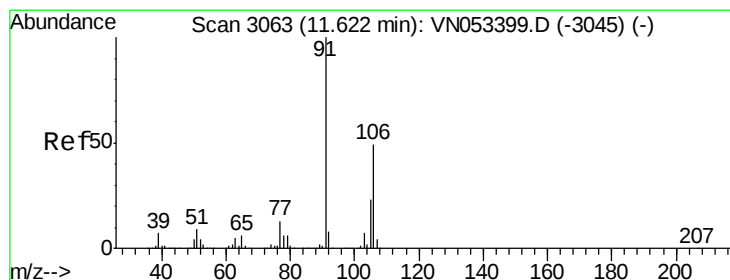
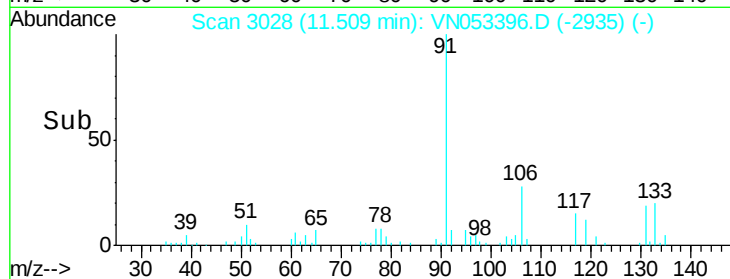
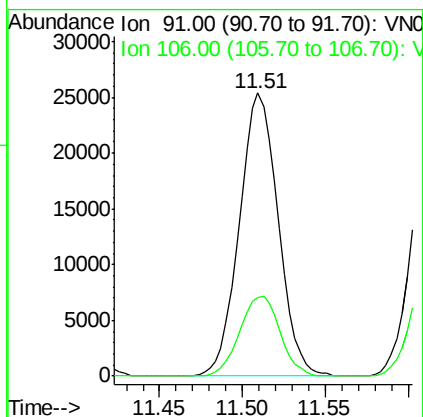
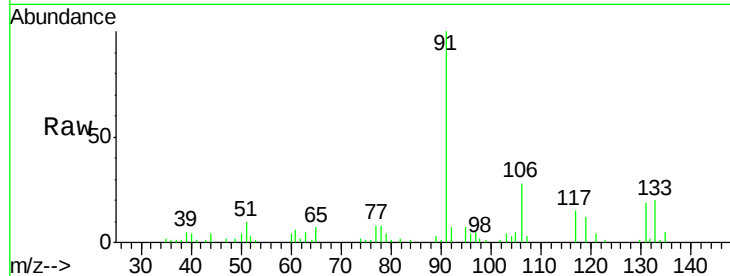




#67
Ethyl Benzene
Concen: 0.913 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

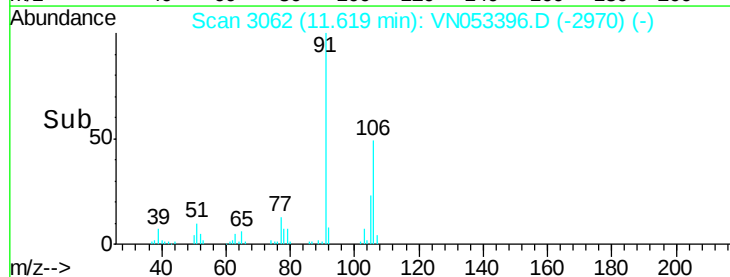
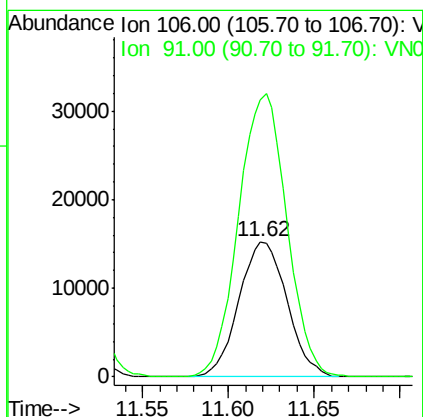
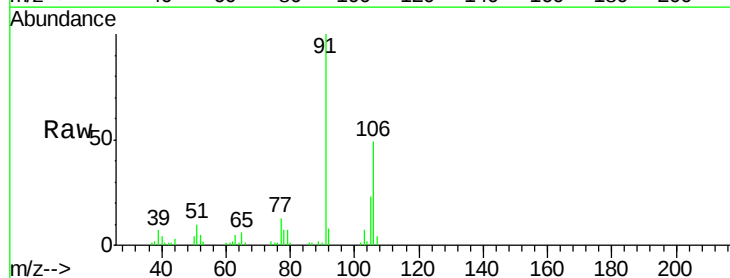
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

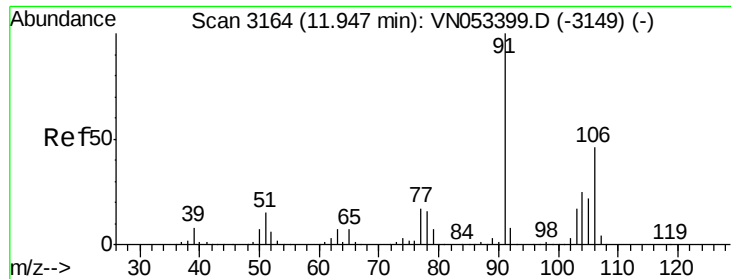
Tot Ion: 91 Resp: 41433
Ion Ratio Lower Upper
91 100
106 27.8 25.0 37.4



#68
m/p-Xylenes
Concen: 1.729 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 106 Resp: 29603
Ion Ratio Lower Upper
106 100
91 210.4 161.4 242.2

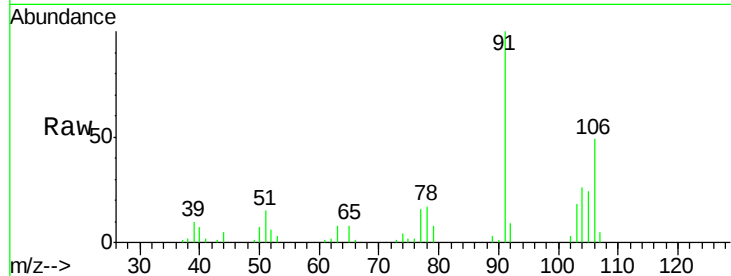




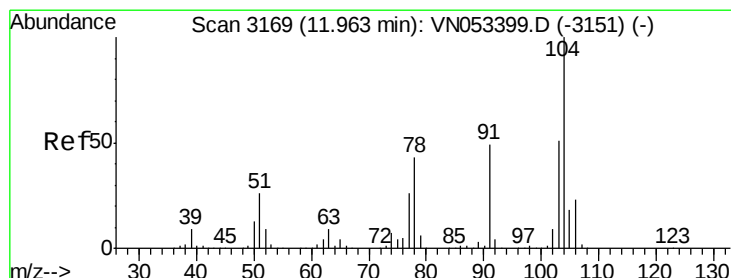
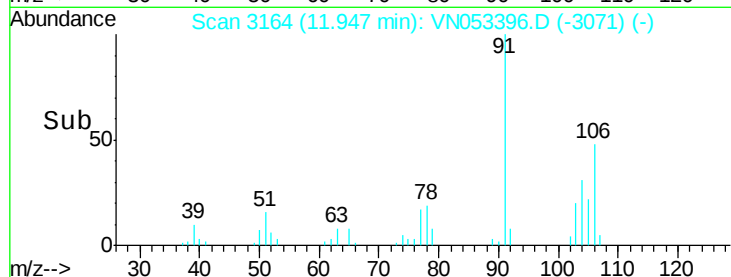
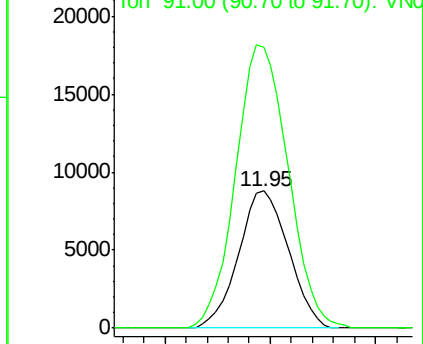
#69
o-Xylene
Concen: 0.869 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 14466
Ion Ratio Lower Upper
106 100
91 216.7 106.8 320.4

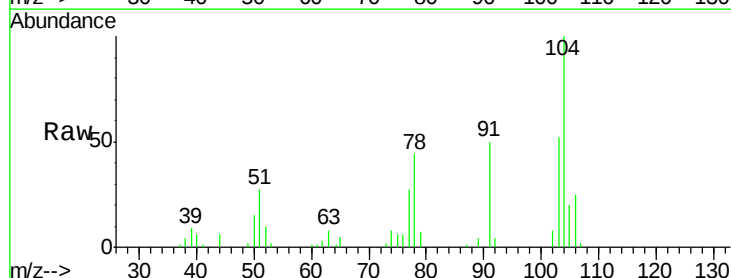


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

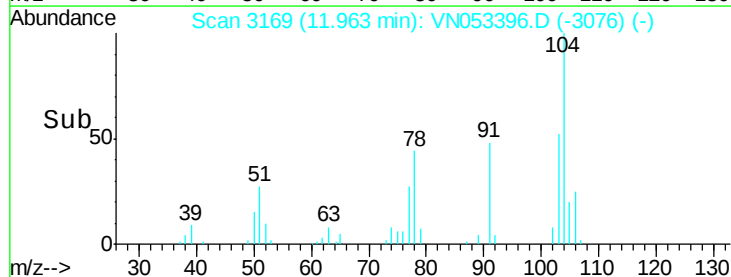
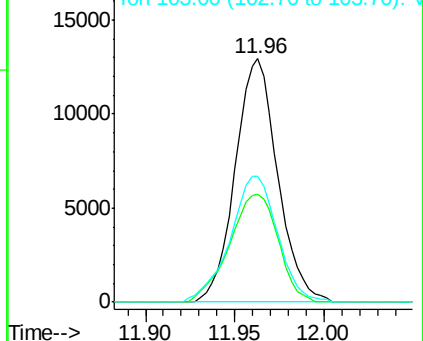


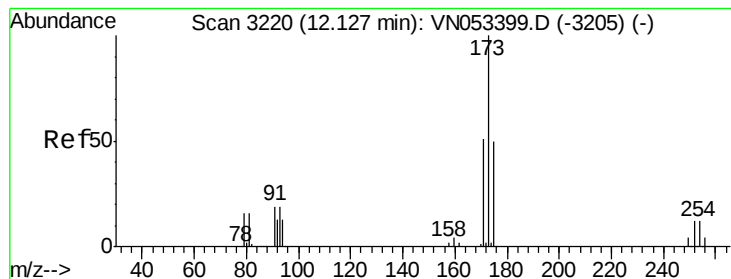
#70
Styrene
Concen: 0.796 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion:104 Resp: 21500
Ion Ratio Lower Upper
104 100
78 50.7 38.5 57.7
103 57.7 44.5 66.7



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





#71

Bromoform

Concen: 0.799 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

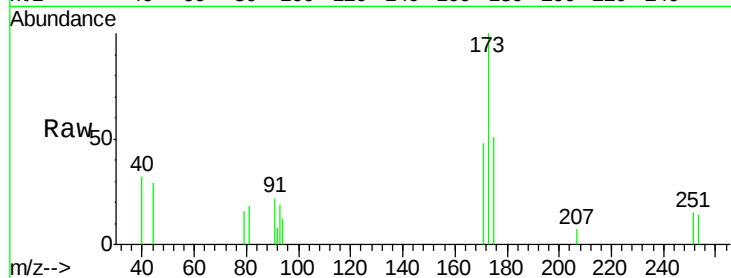
Tot Ion:173 Resp: 5092

Ion Ratio Lower Upper

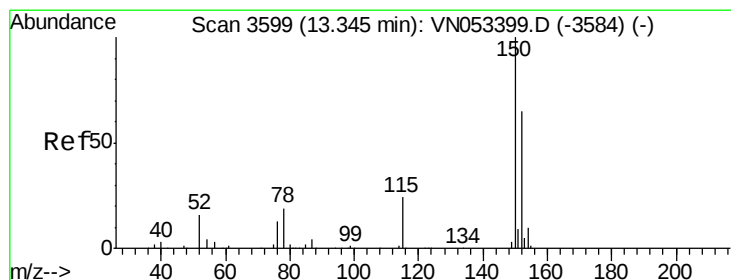
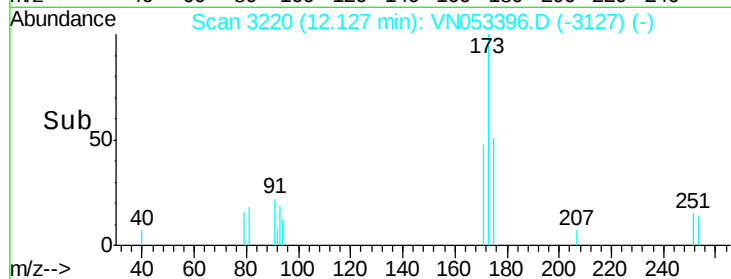
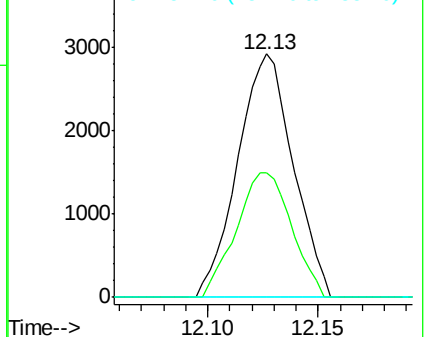
173 100

175 50.9 24.3 72.8

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

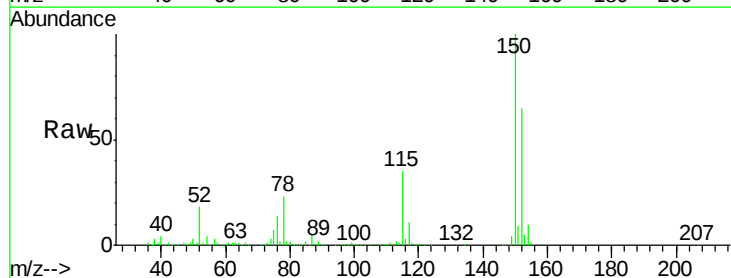
Tgt Ion:152 Resp: 570772

Ion Ratio Lower Upper

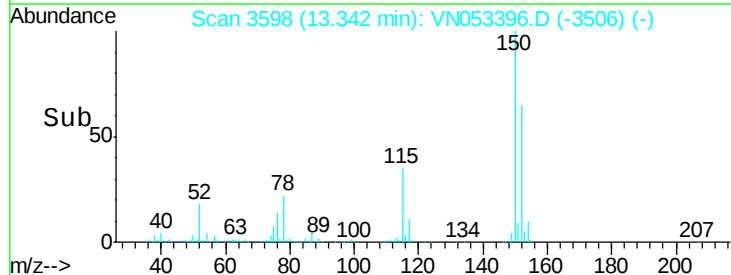
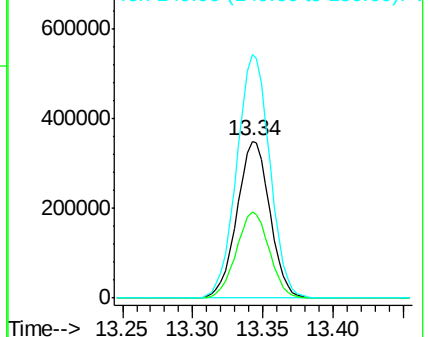
152 100

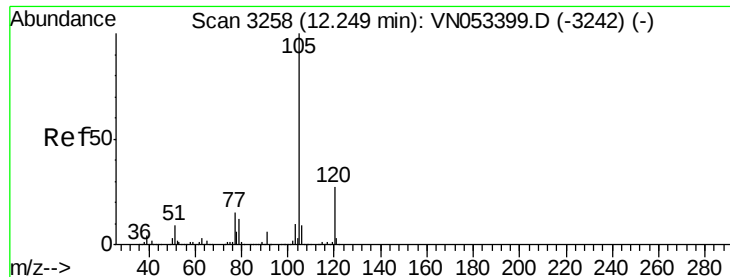
115 55.0 28.0 84.0

150 156.9 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.896 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

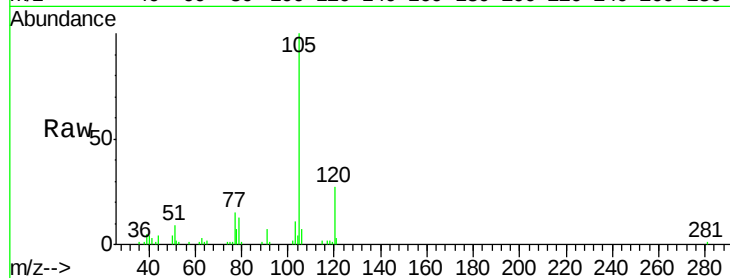
VSTDIC001

Tot Ion:105 Resp: 37462

Ion Ratio Lower Upper

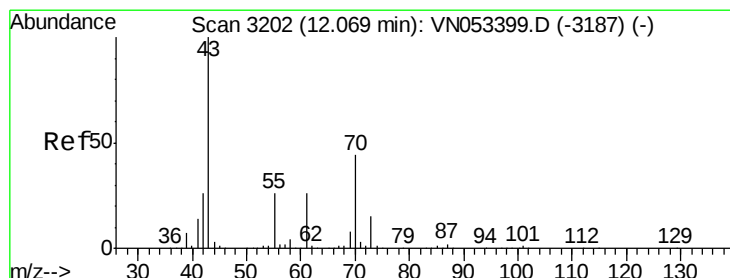
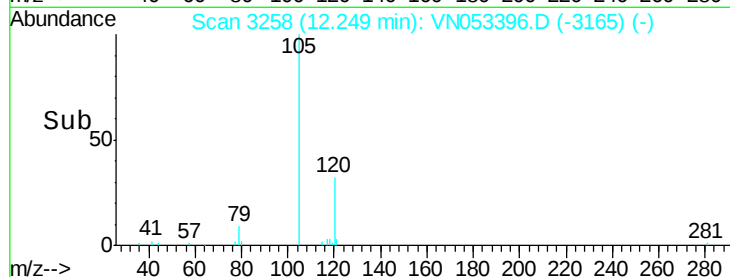
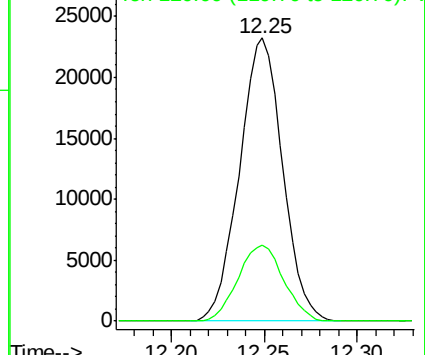
105 100

120 28.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.864 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Tgt Ion: 43 Resp: 9628

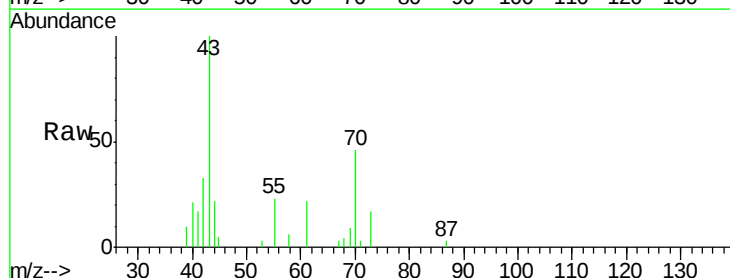
Ion Ratio Lower Upper

43 100

70 41.3 35.0 52.6

55 24.3 20.0 30.0

61 20.8 20.3 30.5

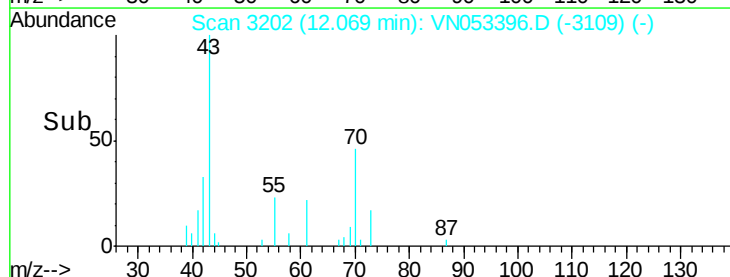
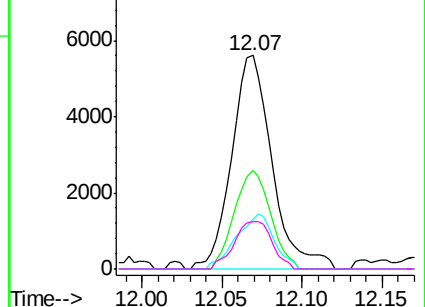


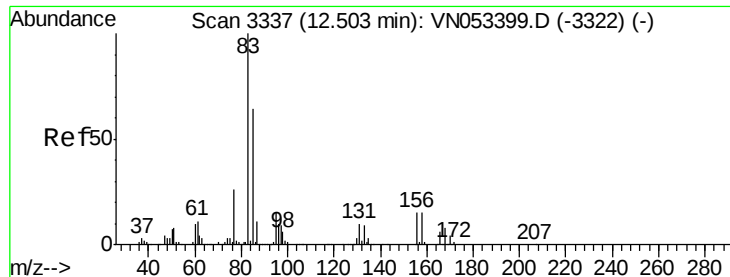
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.932 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

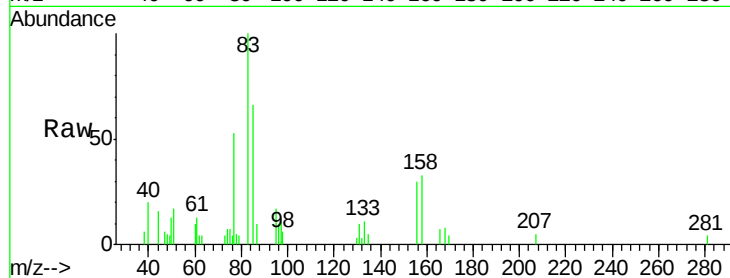
Tot Ion: 83 Resp: 8173

Ion Ratio Lower Upper

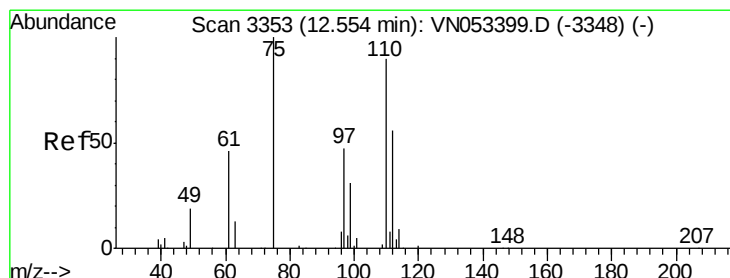
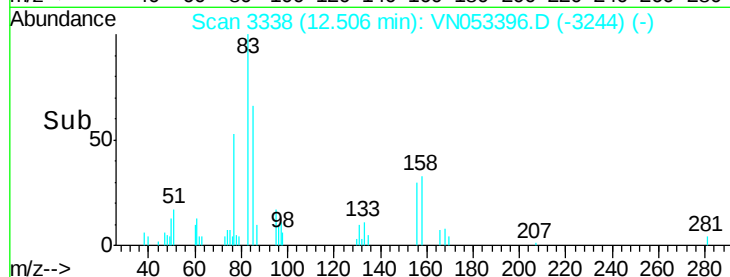
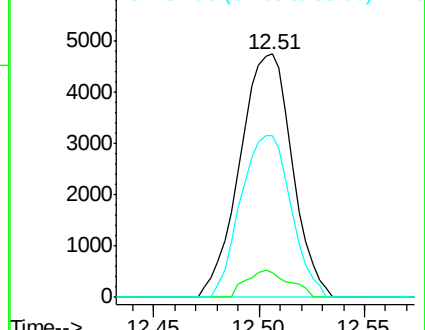
83 100

131 9.1 5.3 15.9

85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 1.400 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053396.D

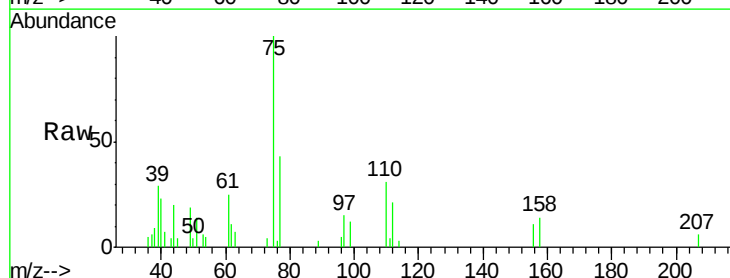
Acq: 15 Jan 2019 9:16

Tgt Ion: 75 Resp: 10058

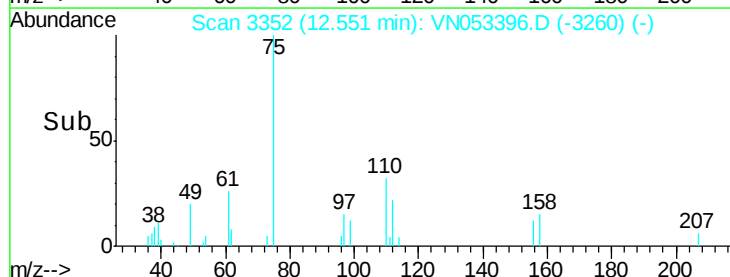
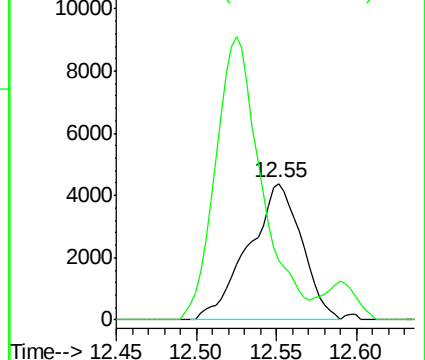
Ion Ratio Lower Upper

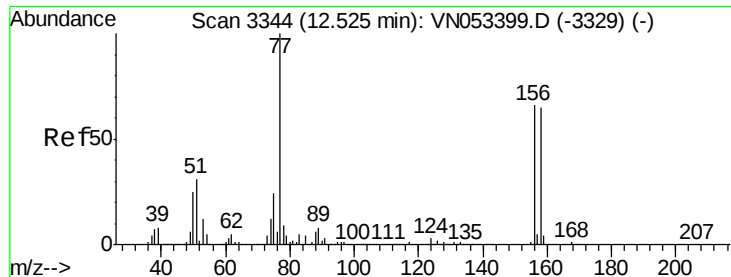
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.916 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

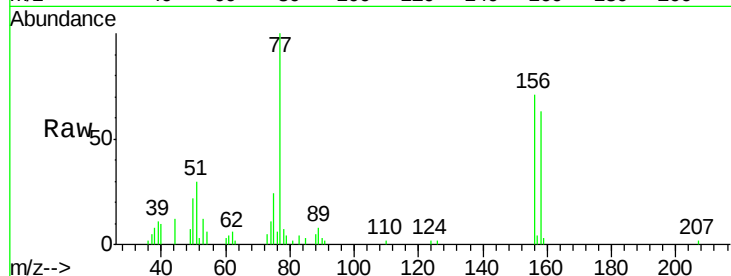
Tot Ion:156 Resp: 10091

Ion Ratio Lower Upper

156 100

77 177.6 89.3 268.1

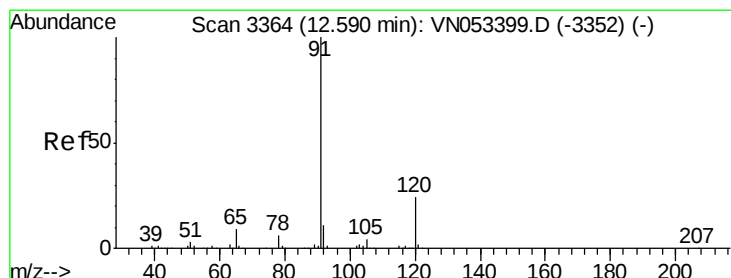
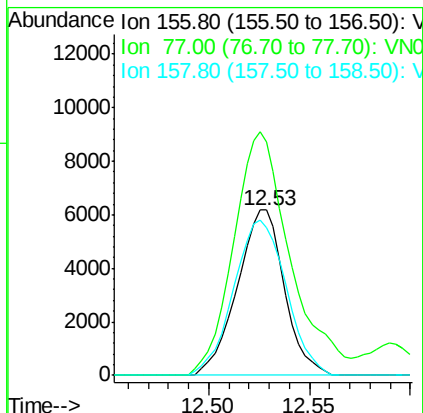
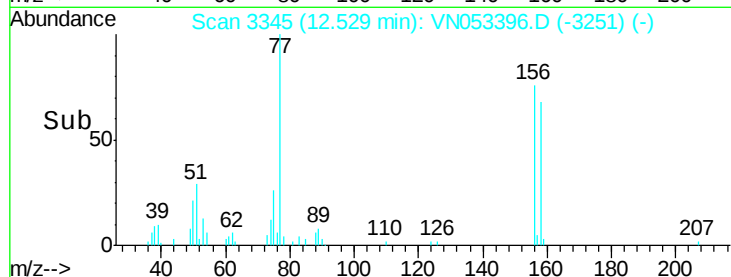
158 104.7 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.885 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053396.D

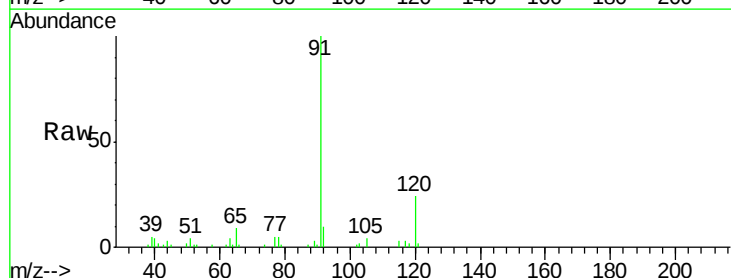
Acq: 15 Jan 2019 9:16

Tgt Ion: 91 Resp: 42449

Ion Ratio Lower Upper

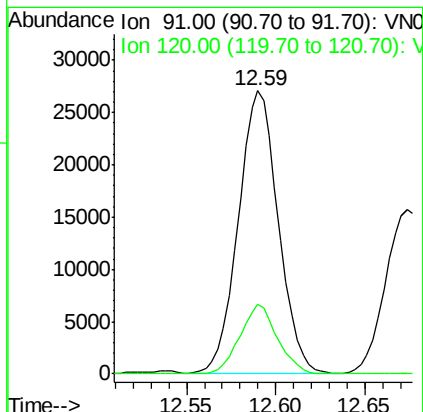
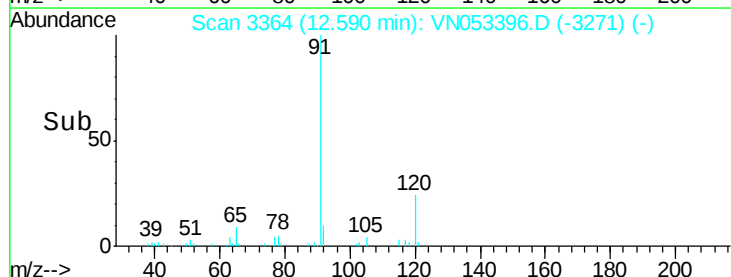
91 100

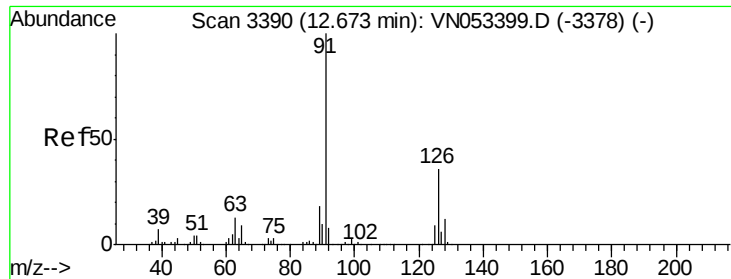
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.943 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

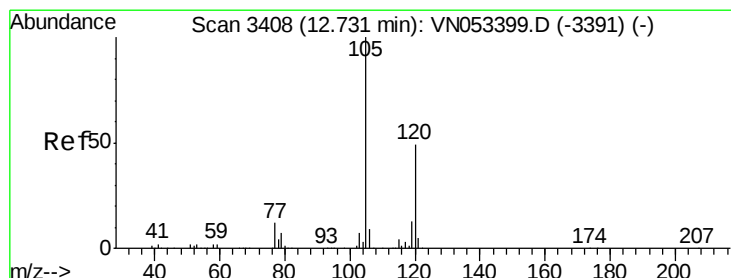
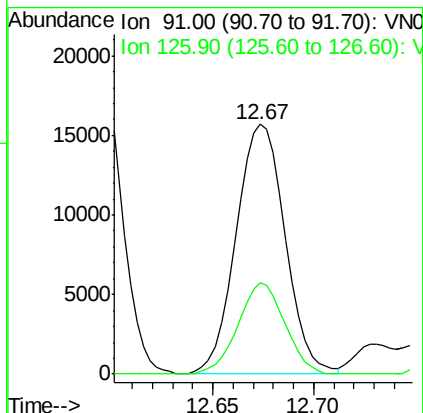
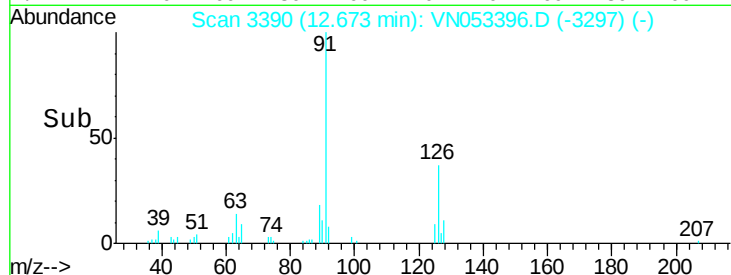
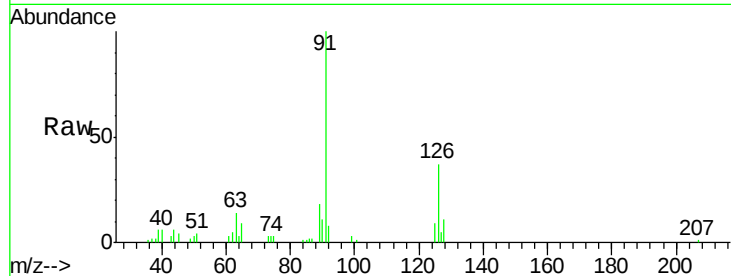
VSTDIC001

Tot Ion: 91 Resp: 26810

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053396.D

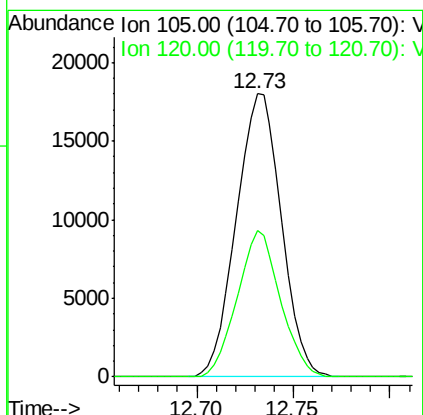
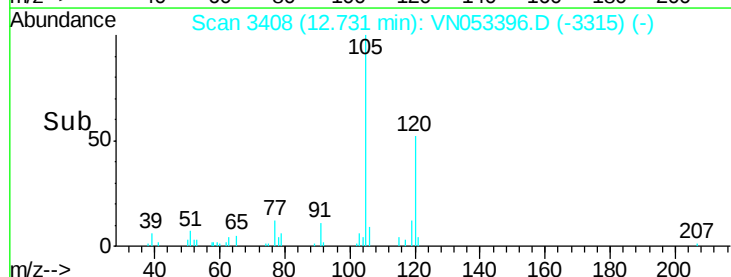
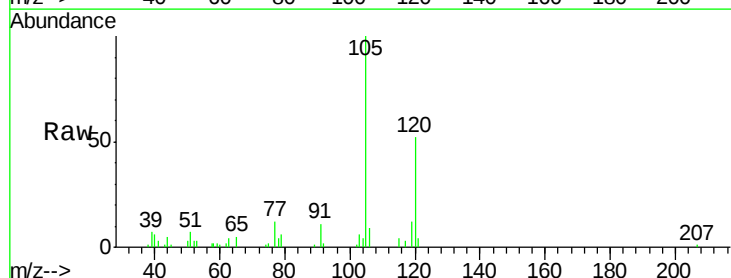
Acq: 15 Jan 2019 9:16

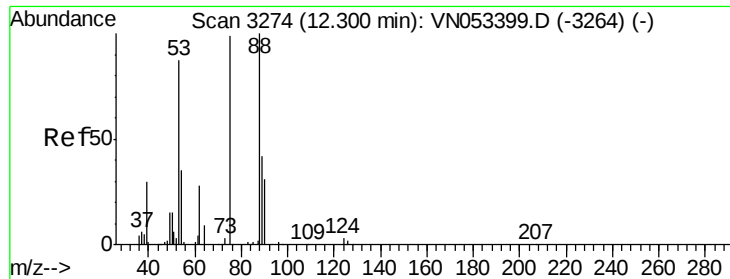
Tgt Ion: 105 Resp: 29093

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1

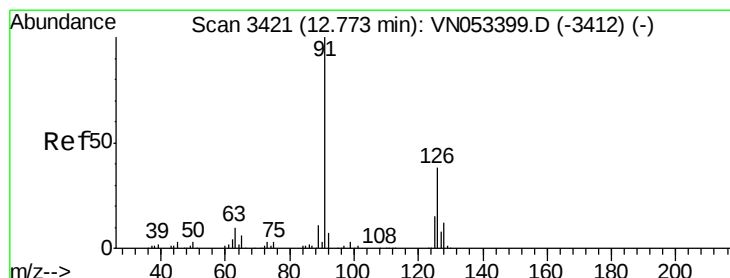
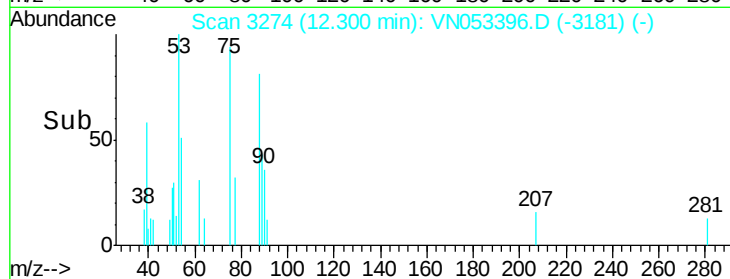
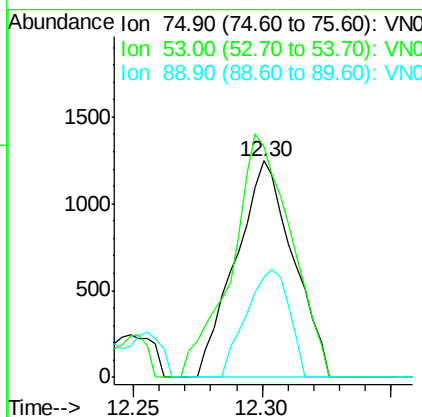
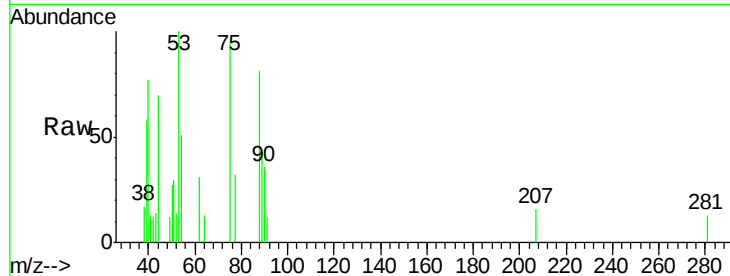




#81
trans-1,4-Dichloro-2-butene
Concen: 3.152 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

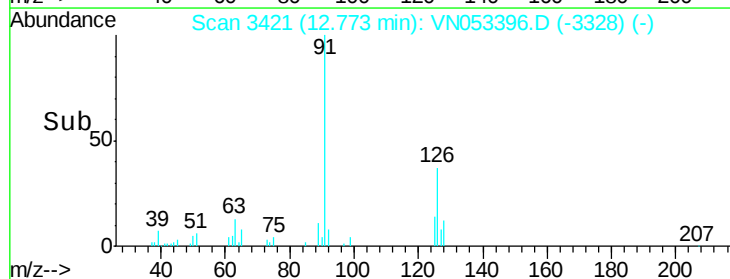
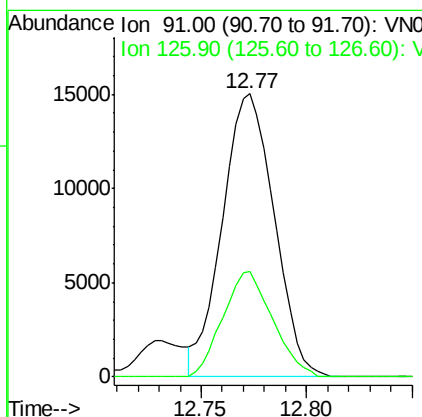
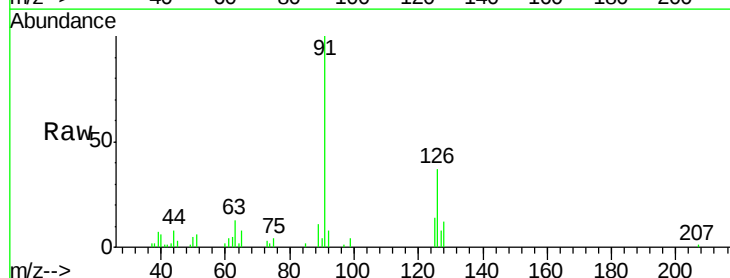
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

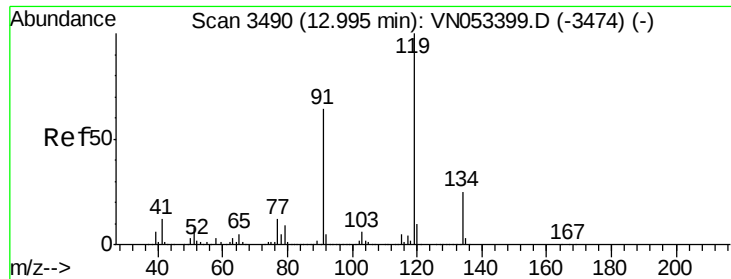
Tot Ion: 75 Resp: 1936
Ion Ratio Lower Upper
75 100
53 115.9 70.5 105.7#
89 37.2 35.4 53.0



#82
4-Chlorotoluene
Concen: 0.885 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 91 Resp: 25653
Ion Ratio Lower Upper
91 100
126 35.7 17.4 52.2

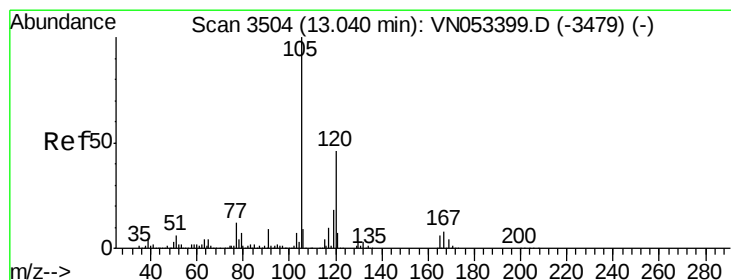
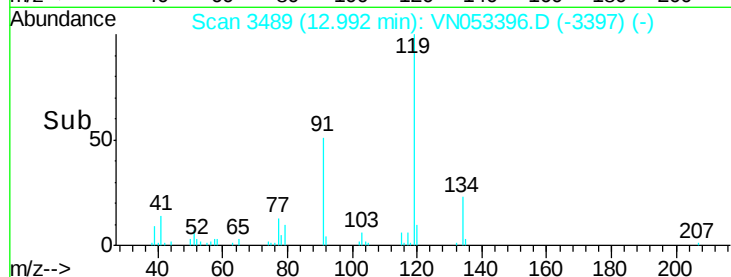
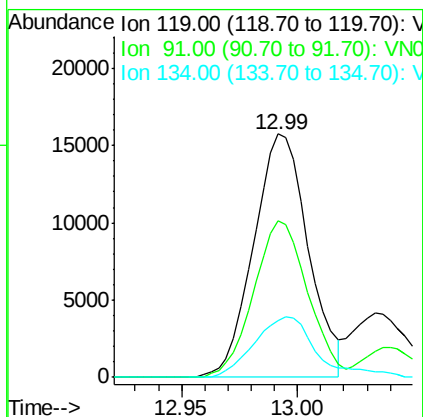
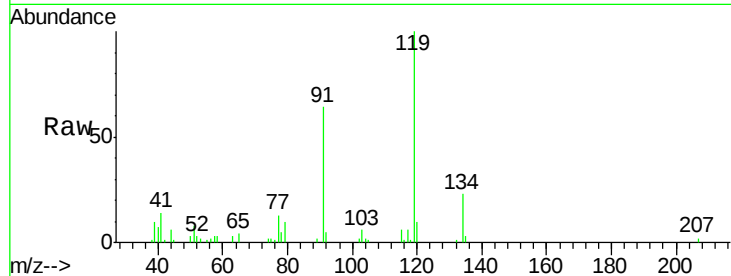




#83
 tert-Butylbenzene
 Concen: 0.858 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

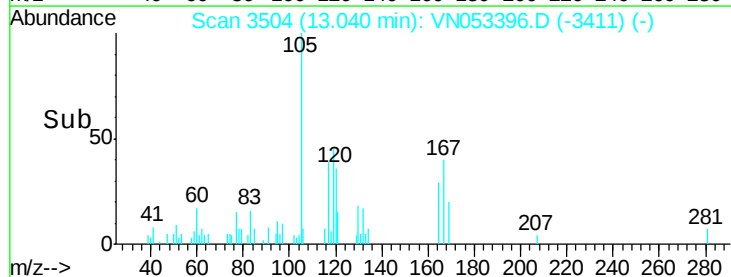
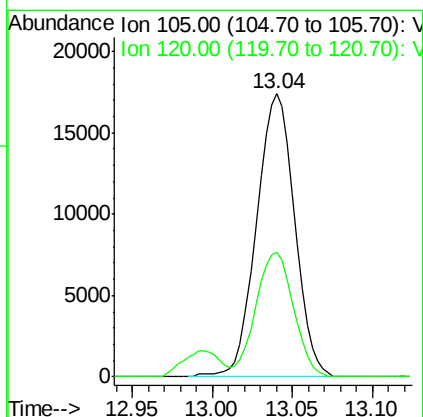
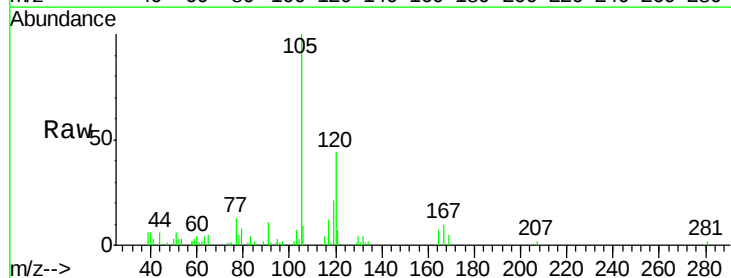
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

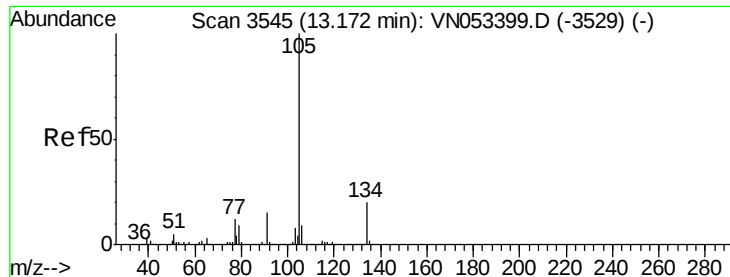
Tot Ion:119 Resp: 25784
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.6 95.0
 134 28.5 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 0.836 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion:105 Resp: 28672
 Ion Ratio Lower Upper
 105 100
 120 43.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.857 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

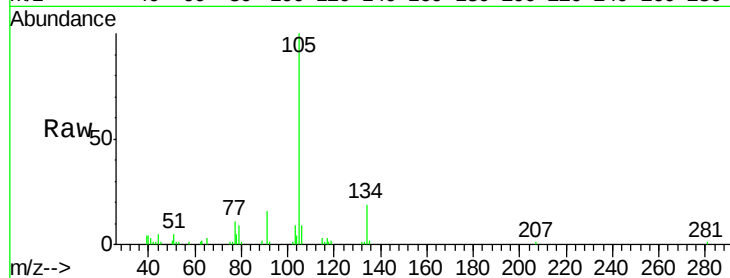
VSTDIC001

Tot Ion:105 Resp: 35305

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

25000

20000

15000

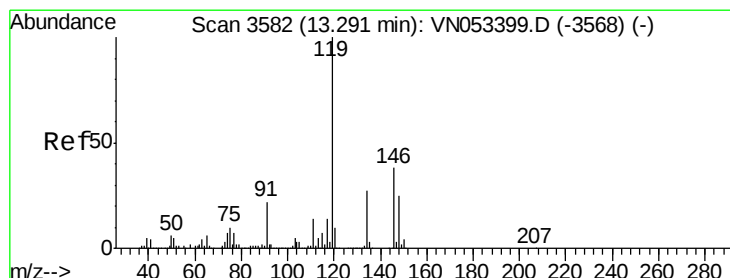
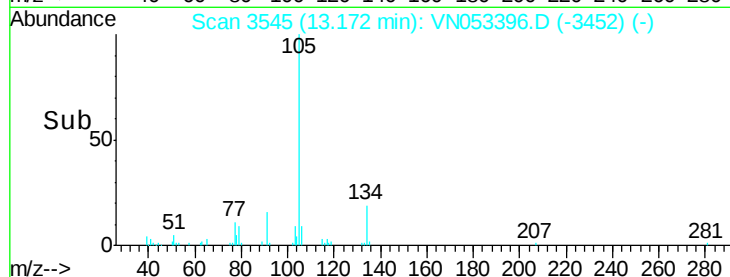
10000

5000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 0.843 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

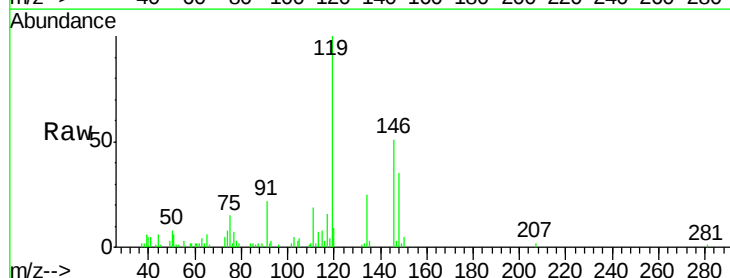
Tgt Ion:119 Resp: 30152

Ion Ratio Lower Upper

119 100

134 25.0 13.4 40.1

91 22.8 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

25000

20000

15000

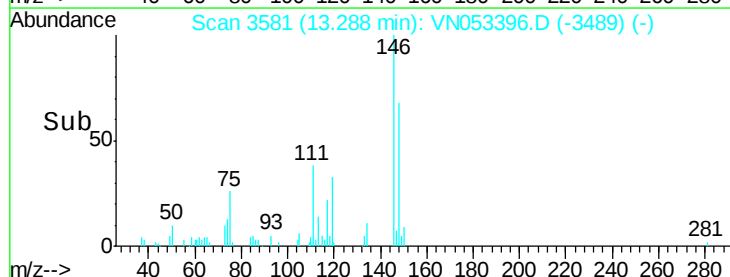
10000

5000

0

13.25 13.30 13.35

Time-->

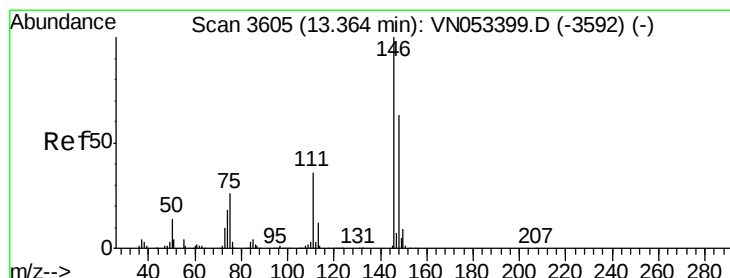
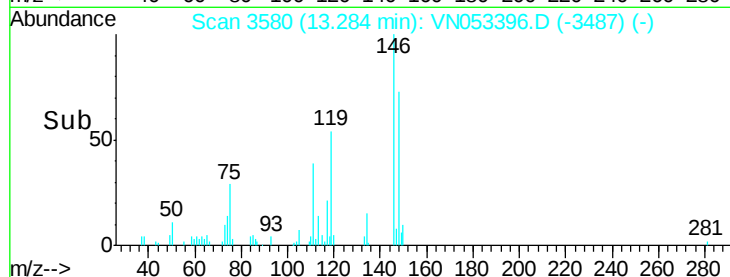
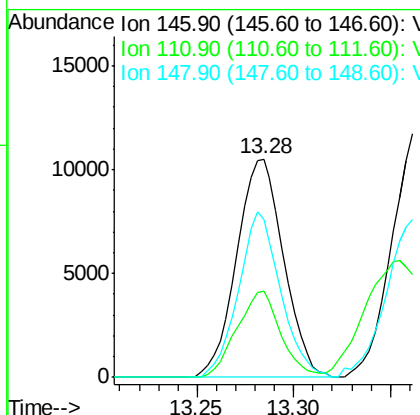
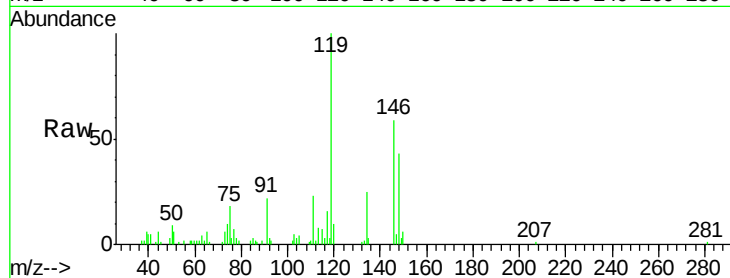




#87
 1,3-Dichlorobenzene
 Concen: 0.915 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

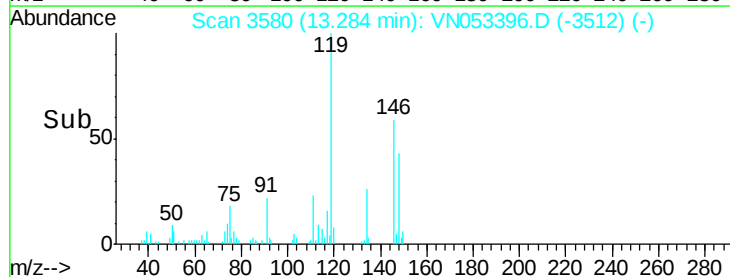
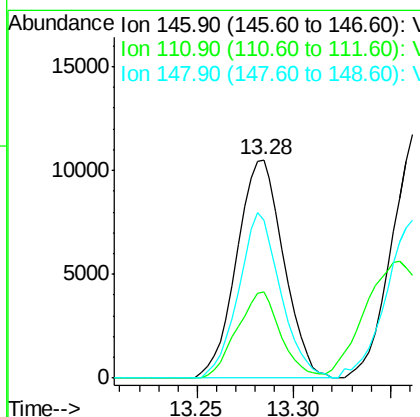
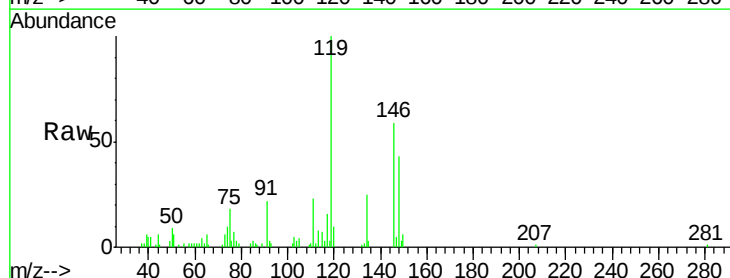
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

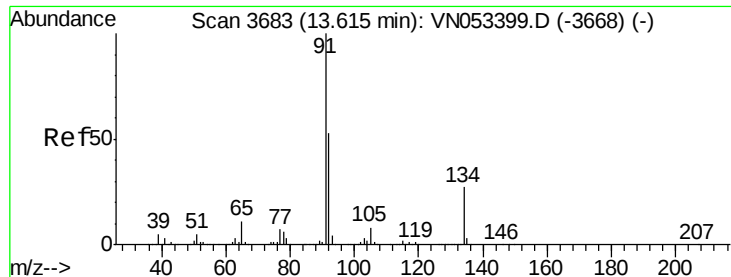
Tot Ion:146 Resp: 17728
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.5
 148 67.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.912 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion:146 Resp: 17728
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.8
 148 67.9 32.0 96.0

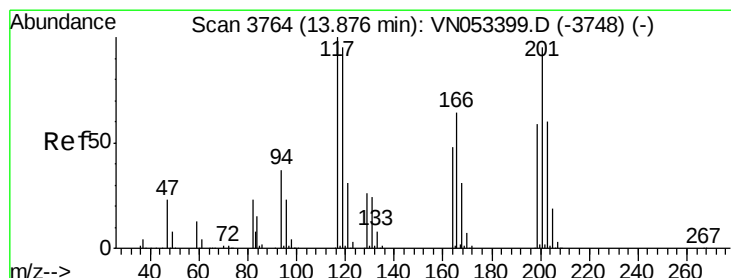
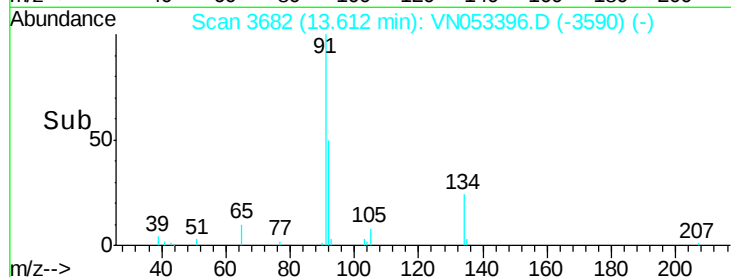
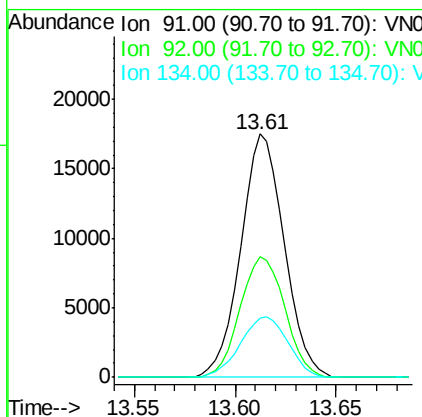
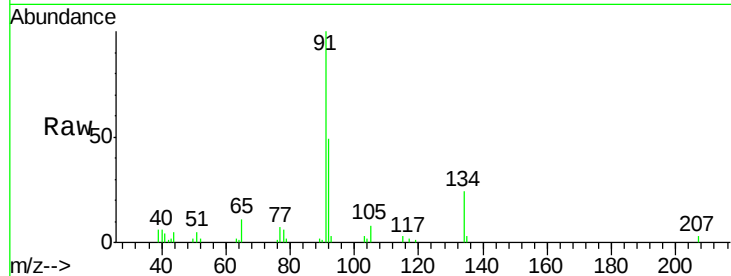




#89
n-Butylbenzene
Concen: 0.867 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

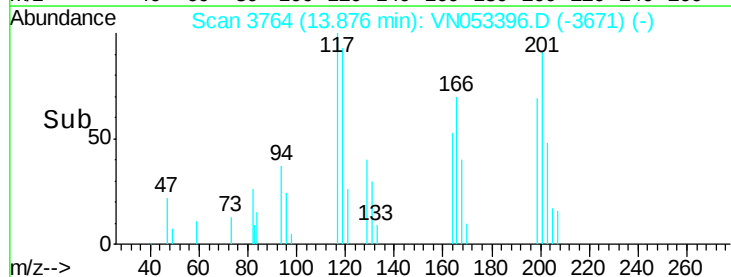
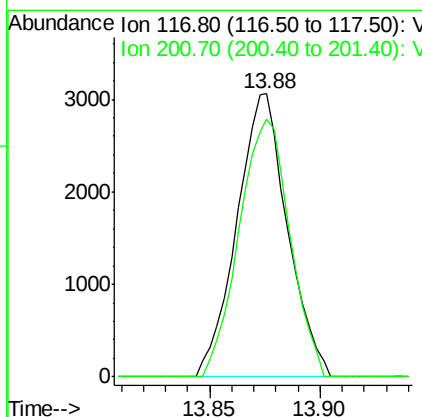
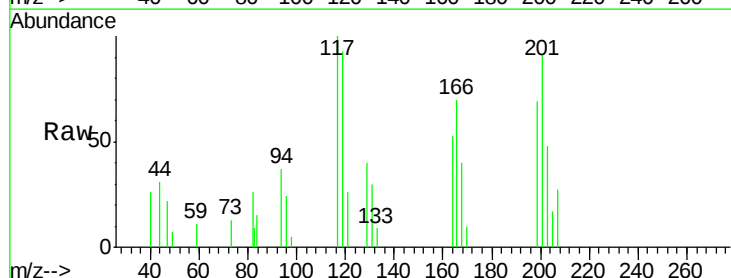
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

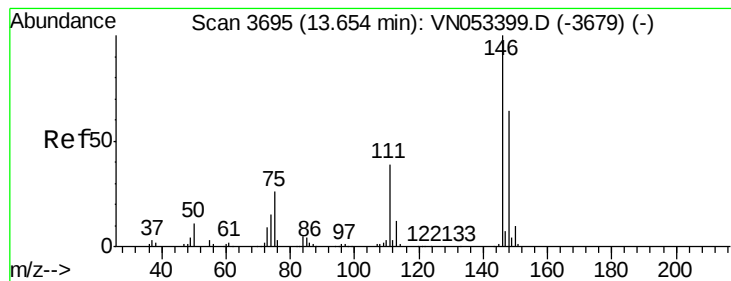
Tot Ion: 91 Resp: 26434
Ion Ratio Lower Upper
91 100
92 50.9 26.3 78.8
134 27.2 13.5 40.5



#90
Hexachloroethane
Concen: 0.867 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053396.D
Acq: 15 Jan 2019 9:16

Tgt Ion: 117 Resp: 4863
Ion Ratio Lower Upper
117 100
201 91.1 46.1 138.3





#91

1,2-Dichlorobenzene

Concen: 0.935 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

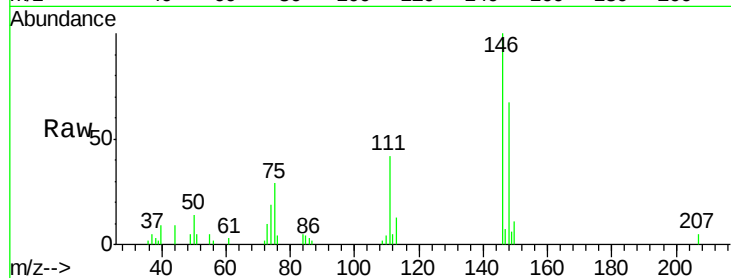
Tot Ion:146 Resp: 16658

Ion Ratio Lower Upper

146 100

111 40.4 19.4 58.2

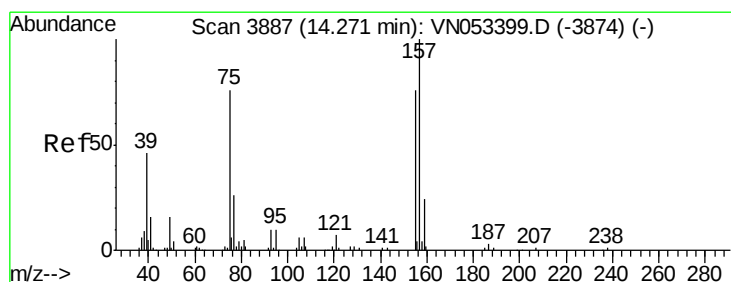
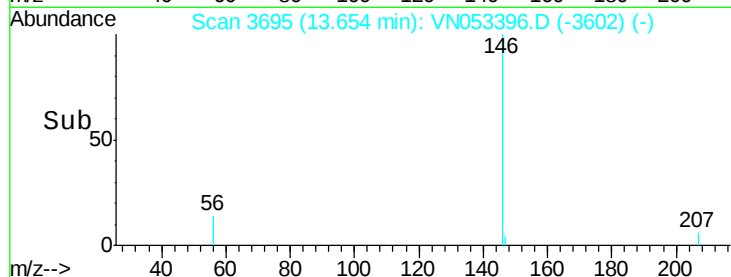
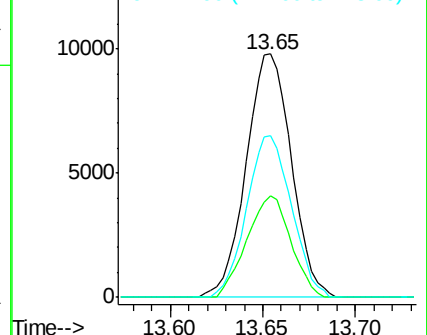
148 65.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.874 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

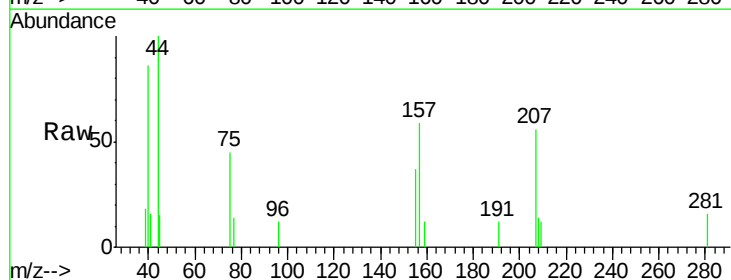
Tgt Ion: 75 Resp: 972

Ion Ratio Lower Upper

75 100

155 71.1 48.1 144.3

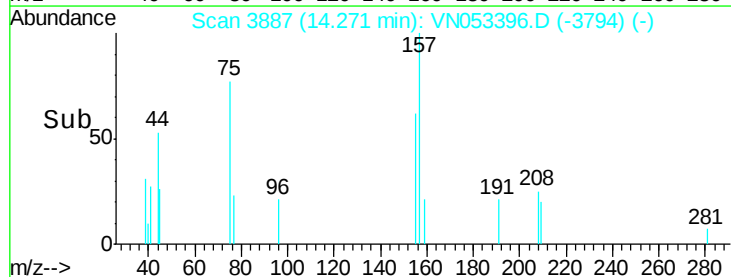
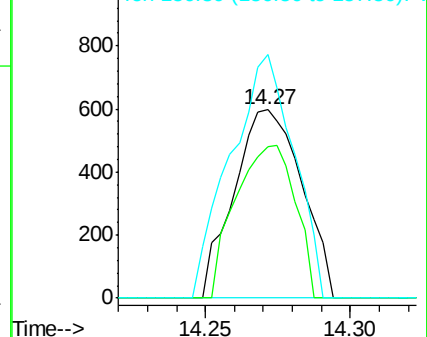
157 120.7 61.5 184.4

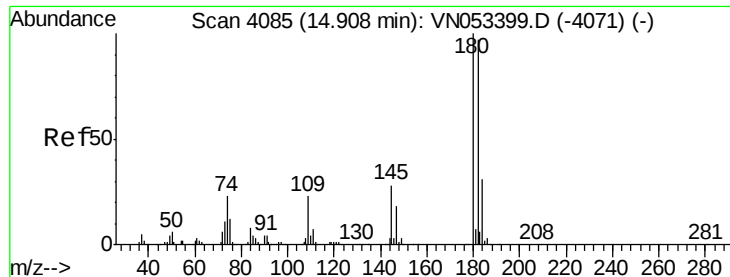


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

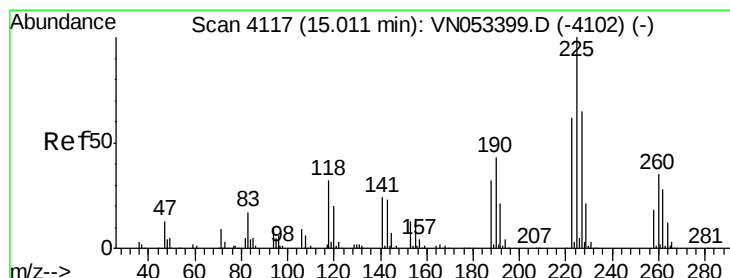
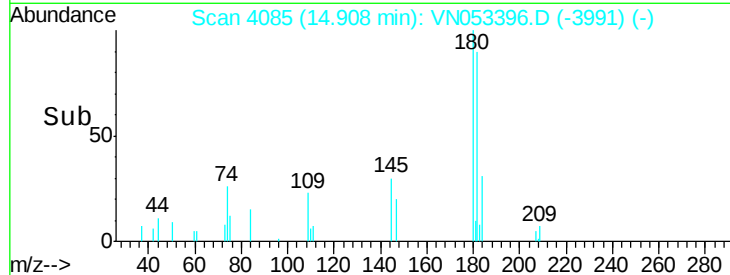
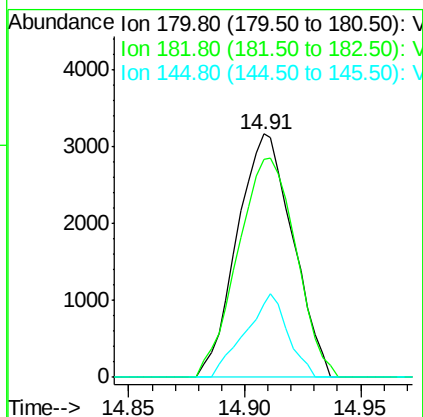
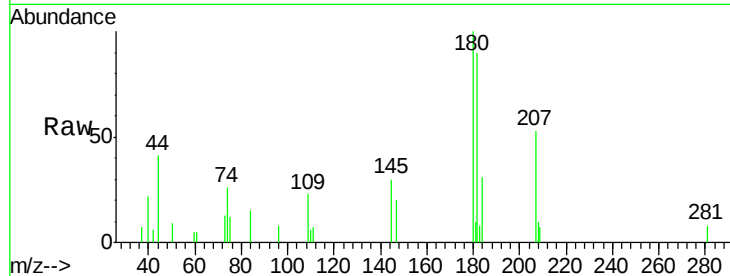




#93
 1,2,4-Trichlorobenzene
 Concen: 3.402 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

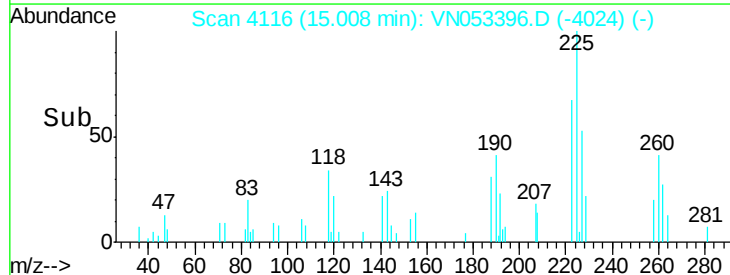
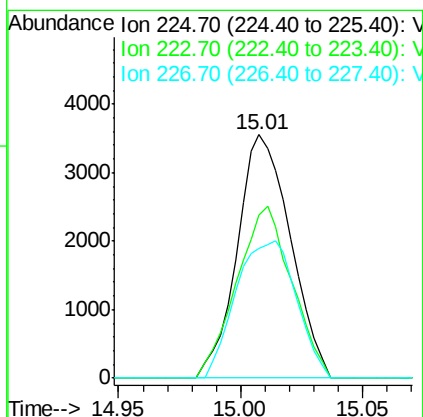
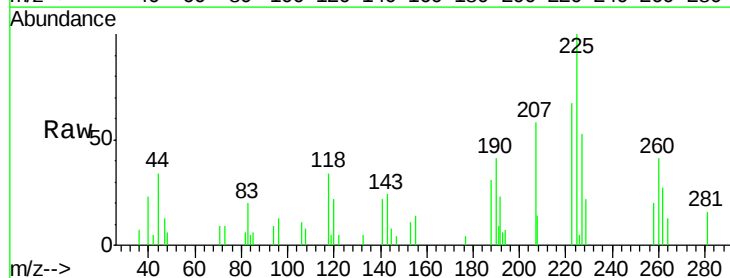
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

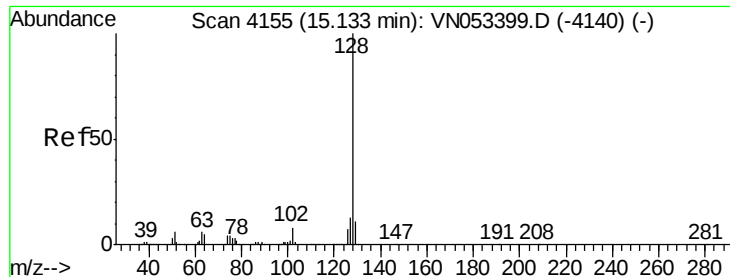
Tot Ion:180 Resp: 5289
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.8 143.4
 145 26.3 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 0.965 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053396.D
 Acq: 15 Jan 2019 9:16

Tgt Ion:225 Resp: 5368
 Ion Ratio Lower Upper
 225 100
 223 73.0 30.9 92.8
 227 64.0 31.4 94.2





#95

Naphthalene

Concen: 4.417 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

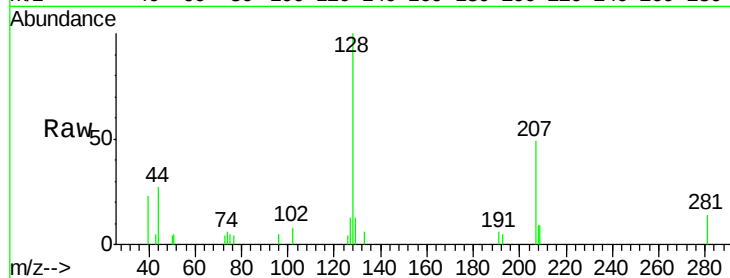
Tot Ion:128 Resp: 7167

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

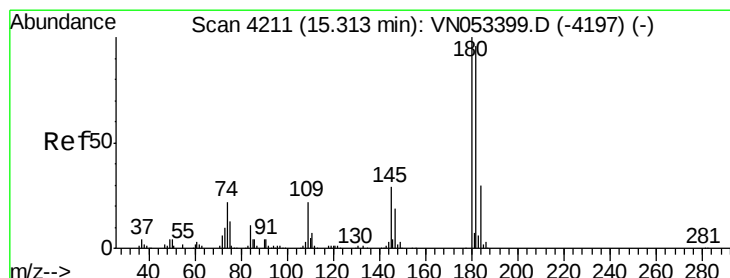
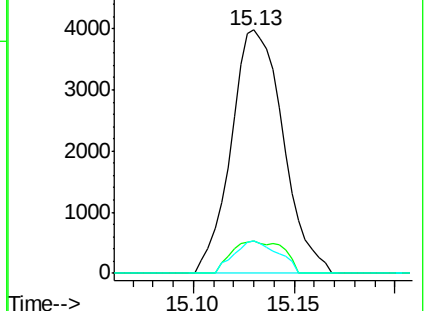
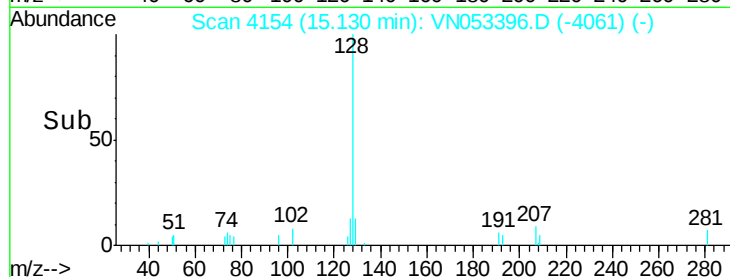
129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.470 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053396.D

Acq: 15 Jan 2019 9:16

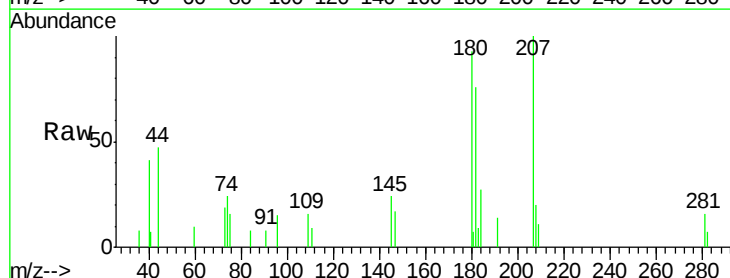
Tgt Ion:180 Resp: 3533

Ion Ratio Lower Upper

180 100

182 94.6 48.4 145.0

145 25.6 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

