

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN054998.D
 Acq On : 12 Apr 2019 14:39
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 13 02:24:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	424160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	5752	1.03	ug/l	0.00
Spiked Amount			Recovery	=	2.06%	
35) Dibromofluoromethane	7.59	113	4435	1.03	ug/l	0.00
Spiked Amount			Recovery	=	2.06%	
50) Toluene-d8	10.09	98	17029	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	
62) 4-Bromofluorobenzene	12.40	95	6474	1.20	ug/l	0.00
Spiked Amount			Recovery	=	2.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	4810	0.962	ug/l	87
3) Chloromethane	2.06	50	7287	1.106	ug/l	97
4) Vinyl Chloride	2.19	62	5237	0.916	ug/l	95
5) Bromomethane	2.56	94	3281	1.004	ug/l	95
6) Chloroethane	2.71	64	3066	0.959	ug/l	98
7) Trichlorofluoromethane	3.02	101	6382	0.916	ug/l	93
8) Diethyl Ether	3.41	74	2042	0.914	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3505	0.950	ug/l #	80
10) Methyl Iodide	3.95	142	4350	0.837	ug/l #	92
11) Tert butyl alcohol	4.82	59	77	0.259	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	3814	1.045	ug/l	88
13) Acrolein	3.60	56	2465	6.353	ug/l	87
14) Allyl chloride	4.32	41	8227	1.003	ug/l	98
15) Acrylonitrile	5.00	53	8773	5.011	ug/l #	87
16) Acetone	3.82	43	8682	5.533	ug/l	100
17) Carbon Disulfide	4.04	76	11936	1.027	ug/l	97
18) Methyl Acetate	4.32	43	2435	0.573	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	10967	0.908	ug/l #	90
20) Methylene Chloride	4.55	84	7501	1.449	ug/l #	81
21) trans-1,2-Dichloroethene	5.02	96	1821	0.395	ug/l #	86
22) Diisopropyl ether	5.96	45	15717	0.930	ug/l #	79
23) Vinyl Acetate	5.90	43	39560	3.360	ug/l	98
24) 1,1-Dichloroethane	5.84	63	9283	1.010	ug/l #	90
25) 2-Butanone	6.86	43	10101	4.772	ug/l #	85
26) 2,2-Dichloropropane	6.81	77	3117	0.487	ug/l	84
27) cis-1,2-Dichloroethene	6.83	96	5003	0.953	ug/l	98
28) Bromochloromethane	7.20	49	4427	1.020	ug/l #	99
29) Tetrahydrofuran	7.22	42	6806	4.863	ug/l	98
30) Chloroform	7.37	83	8840	1.014	ug/l #	82
31) Cyclohexane	7.66	56	15647	1.492	ug/l #	41
32) 1,1,1-Trichloroethane	7.56	97	6387	0.872	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	6122	0.949	ug/l	97
37) Ethyl Acetate	6.94	43	3644	0.804	ug/l #	74
38) Carbon Tetrachloride	7.77	117	6456	1.040	ug/l	85

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 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	7292	1.026	ug/l	95
40) Benzene	8.04	78	18637	0.999	ug/l	99
41) Methacrylonitrile	7.17	41	1492	0.577	ug/l #	64
42) 1,2-Dichloroethane	8.12	62	6797	1.034	ug/l	94
43) Isopropyl Acetate	8.17	43	6980	0.915	ug/l #	95
44) Trichloroethene	8.83	130	4790	1.003	ug/l	91
45) 1,2-Dichloropropane	9.12	63	5177	0.995	ug/l	90
46) Dibromomethane	9.21	93	3101	1.043	ug/l	96
47) Bromodichloromethane	9.40	83	5972	0.963	ug/l	89
48) Methyl methacrylate	9.20	41	4121	1.075	ug/l	95
49) 1,4-Dioxane	9.20	88	587	14.873	ug/l #	41
51) 4-Methyl-2-Pentanone	9.99	43	20831	4.869	ug/l	99
52) Toluene	10.16	92	10585	0.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	4616	0.811	ug/l #	73
54) cis-1,3-Dichloropropene	9.84	75	5862	0.842	ug/l #	93
55) 1,1,2-Trichloroethane	10.56	97	3882	0.966	ug/l #	84
56) Ethyl methacrylate	10.43	69	4416	0.843	ug/l	95
57) 1,3-Dichloropropane	10.71	76	6438	0.918	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	7912	3.845	ug/l	93
59) 2-Hexanone	10.76	43	12219	4.592	ug/l	98
60) Dibromochloromethane	10.90	129	3248	0.777	ug/l	92
61) 1,2-Dibromoethane	11.00	107	3738	0.992	ug/l	93
64) Tetrachloroethene	10.63	164	5053	1.114	ug/l	95
65) Chlorobenzene	11.43	112	10744	0.942	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.51	131	3861	0.924	ug/l #	64
67) Ethyl Benzene	11.51	91	20071	0.976	ug/l	99
68) m/p-Xylenes	11.62	106	13935	1.852	ug/l	100
69) o-Xylene	11.95	106	7639	1.043	ug/l	87
70) Styrene	11.97	104	9648	0.820	ug/l	95
71) Bromoform	12.13	173	1854	0.733	ug/l #	88
73) Isopropylbenzene	12.25	105	18076	1.290	ug/l	99
74) N-amyl acetate	12.07	43	4786	1.220	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	4669	1.337	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	5397	1.789	ug/l #	100
77) Bromobenzene	12.52	156	4522	1.331	ug/l	81
78) n-propylbenzene	12.59	91	18096	1.172	ug/l	95
79) 2-Chlorotoluene	12.67	91	12005	1.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	13708	1.192	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	751	1.044	ug/l #	86
82) 4-Chlorotoluene	12.77	91	10974	1.212	ug/l	97
83) tert-Butylbenzene	12.99	119	12009	1.224	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	12164	1.094	ug/l	93
85) sec-Butylbenzene	13.17	105	14471	1.141	ug/l	86
86) p-Isopropyltoluene	13.28	119	12297	1.126	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	6474	1.149	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	6474	1.206	ug/l	97
89) n-Butylbenzene	13.61	91	9325	1.076	ug/l	97
90) Hexachloroethane	13.87	117	2171	1.195	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	6031	1.087	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	476	0.979	ug/l #	63

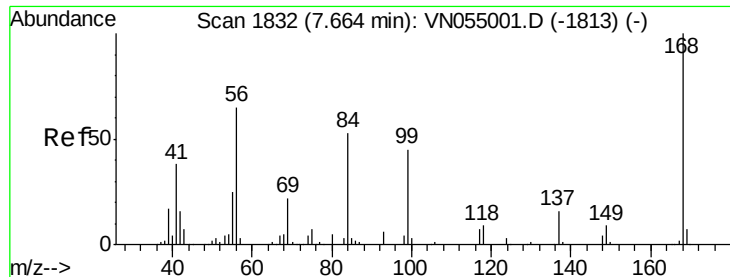
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
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Quant Title : SW846 8260
QLast Update : Sat Apr 13 02:20:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1823	0.747	ug/l	86
94) Hexachlorobutadiene	15.01	225	2671	1.437	ug/l	94
95) Naphthalene	15.14	128	5007	0.930	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.31	180	2426	0.957	ug/l	87

(#) = 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: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

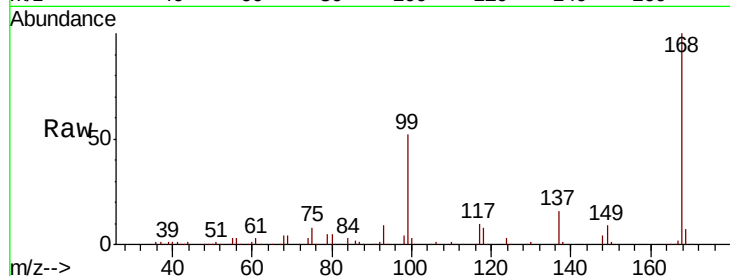
VSTDIC001

Tot Ion:168 Resp: 424160

Ion Ratio Lower Upper

168 100

99 52.2 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

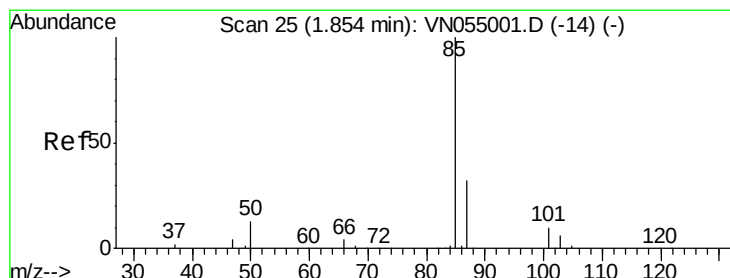
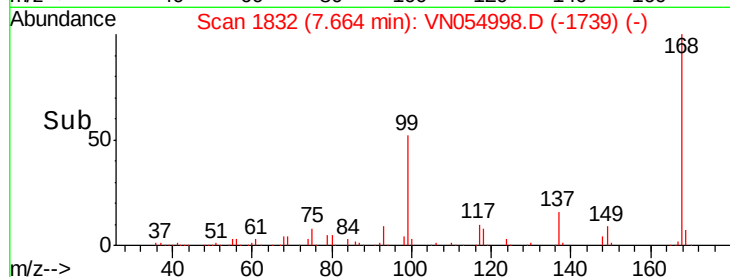
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.962 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054998.D

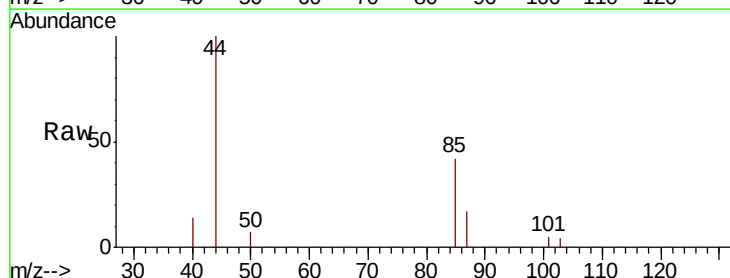
Acq: 12 Apr 2019 14:39

Tgt Ion: 85 Resp: 4810

Ion Ratio Lower Upper

85 100

87 39.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

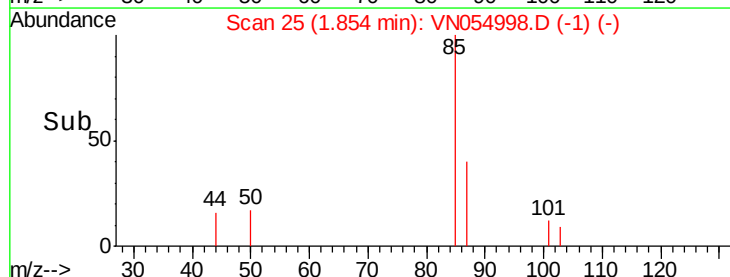
3000

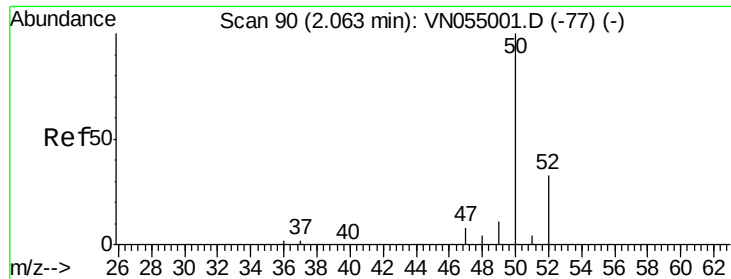
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1000

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Time-->

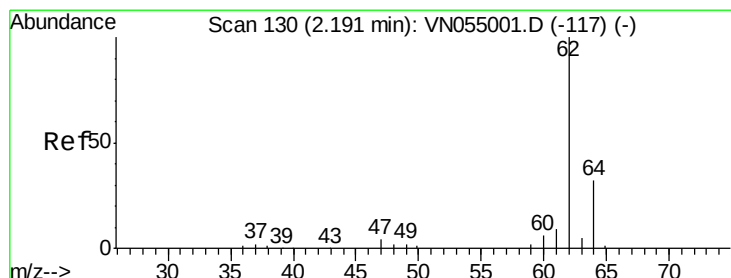
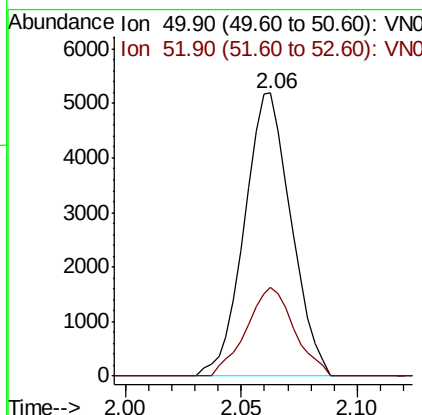
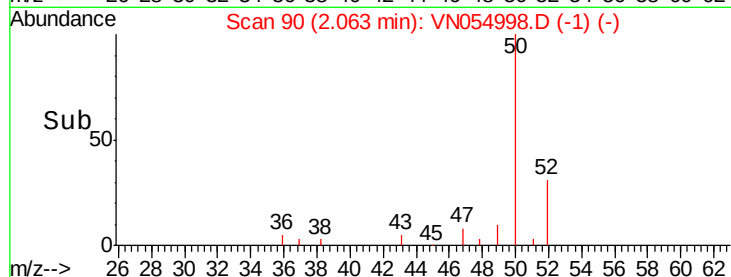
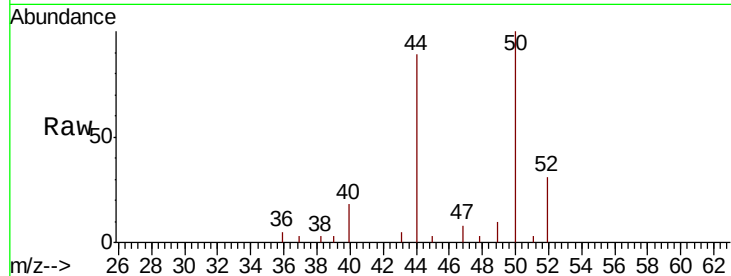




#3
 Chloromethane
 Concen: 1.106 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

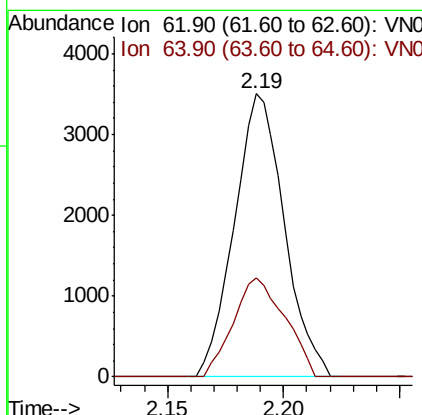
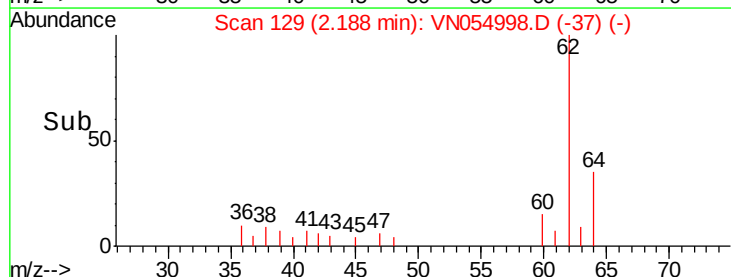
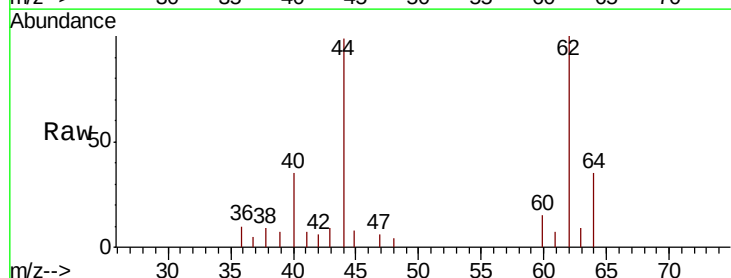
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

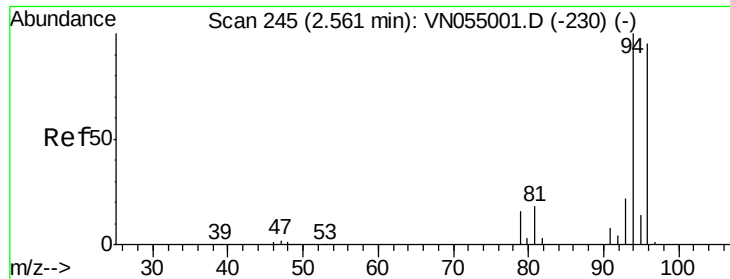
Tot Ion: 50 Resp: 7287
 Ion Ratio Lower Upper
 50 100
 52 31.3 26.6 40.0



#4
 Vinyl Chloride
 Concen: 0.916 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 62 Resp: 5237
 Ion Ratio Lower Upper
 62 100
 64 34.8 25.8 38.6





#5

Bromomethane

Concen: 1.004 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

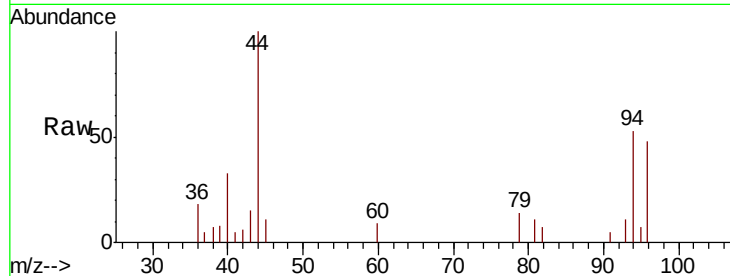
VSTDIC001

Tot Ion: 94 Resp: 3281

Ion Ratio Lower Upper

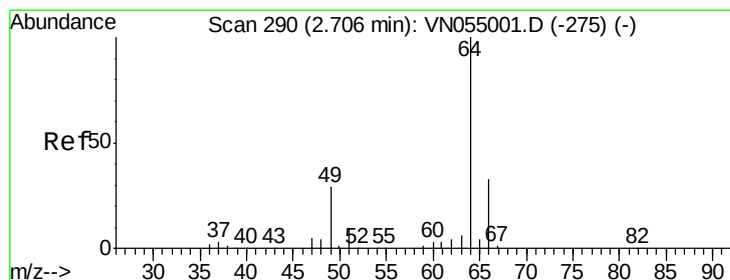
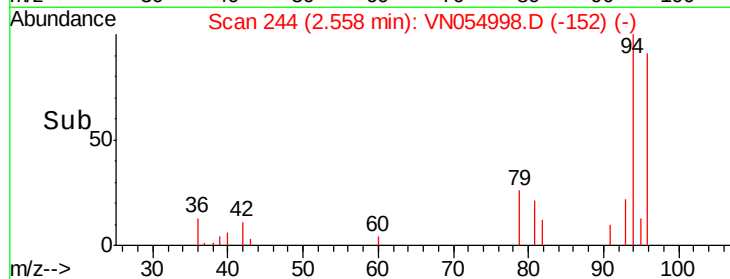
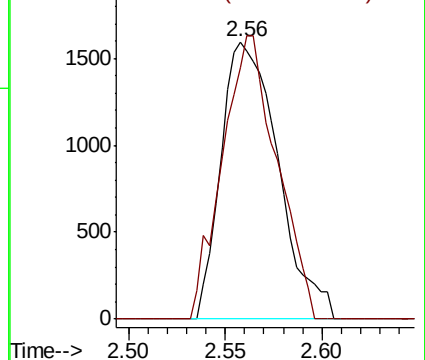
94 100

96 90.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.959 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054998.D

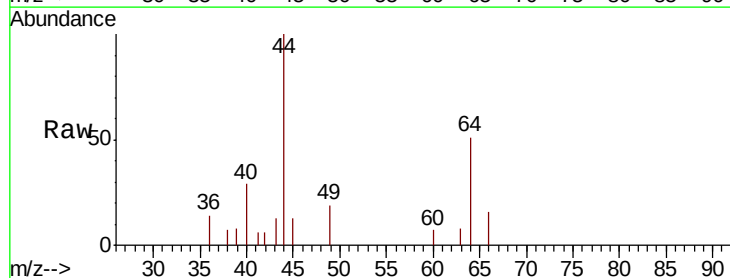
Acq: 12 Apr 2019 14:39

Tgt Ion: 64 Resp: 3066

Ion Ratio Lower Upper

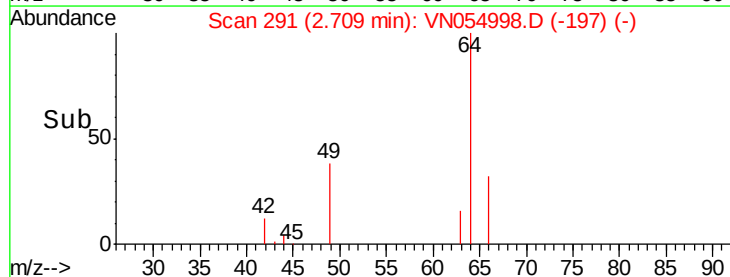
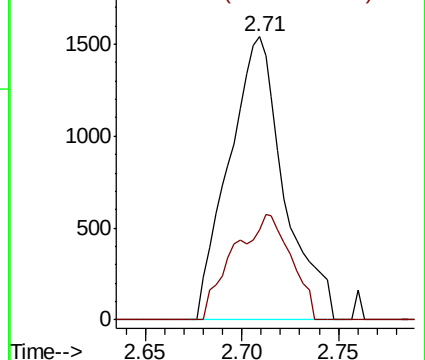
64 100

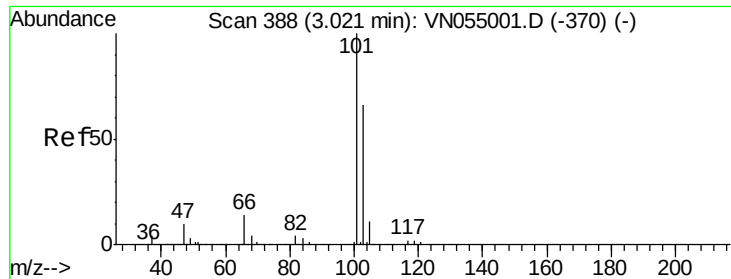
66 32.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



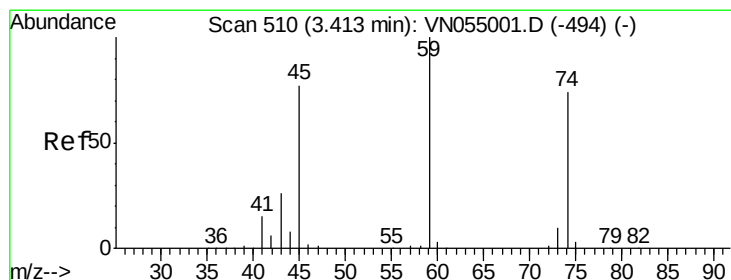
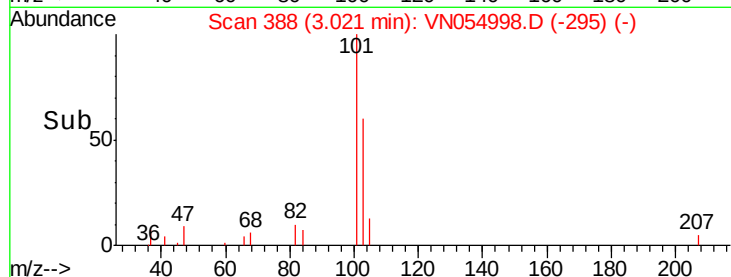
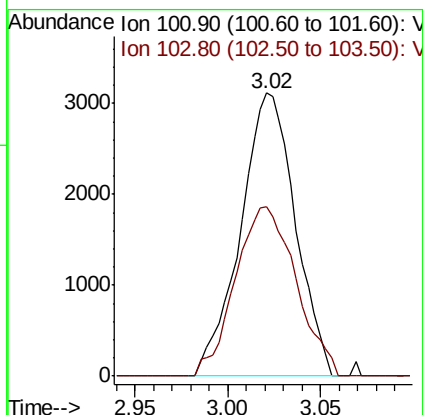
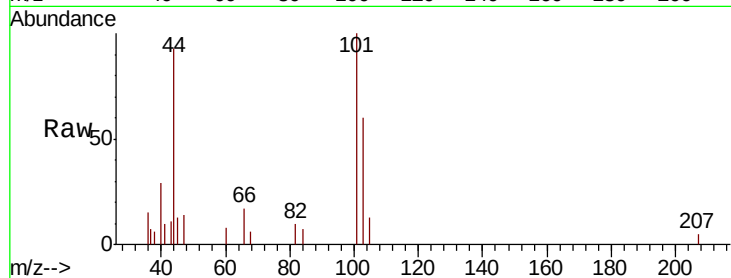


#7

Trichlorofluoromethane
 Concen: 0.916 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

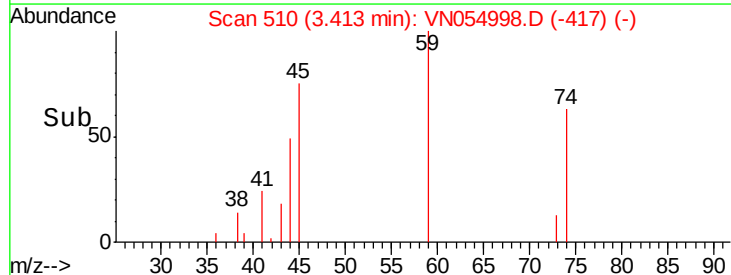
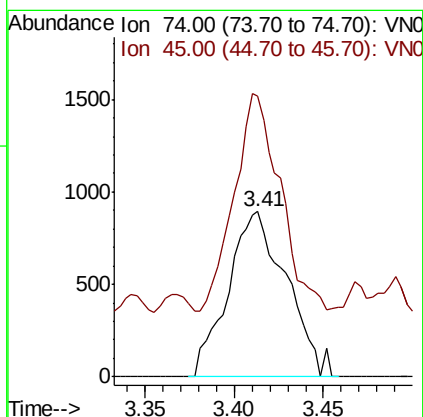
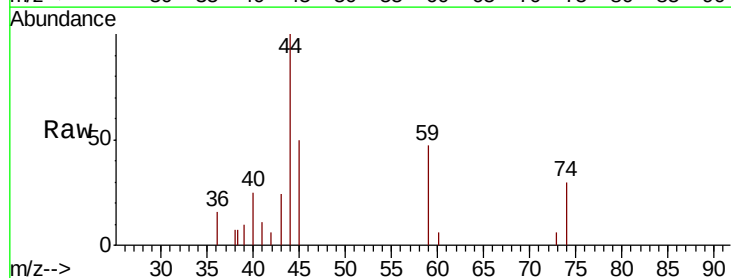
Tot Ion:101 Resp: 6382
 Ion Ratio Lower Upper
 101 100
 103 60.1 52.5 78.7

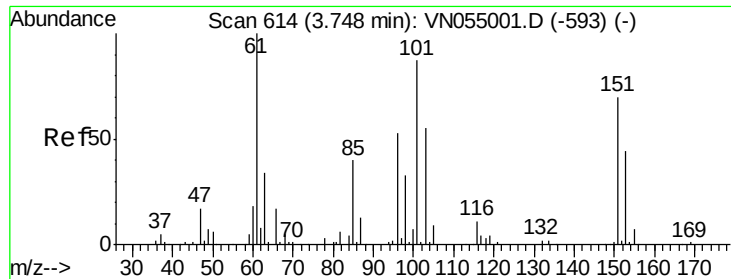


#8

Diethyl Ether
 Concen: 0.914 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 74 Resp: 2042
 Ion Ratio Lower Upper
 74 100
 45 115.8 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.950 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

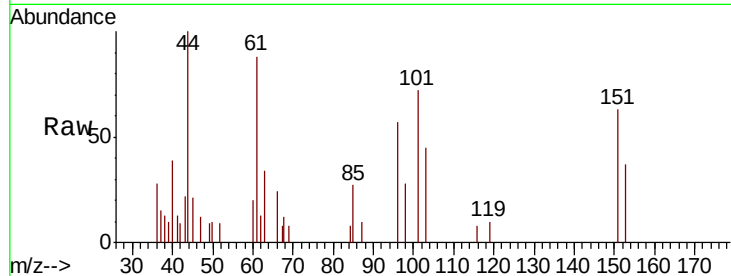
Tot Ion:101 Resp: 3505

Ion Ratio Lower Upper

101 100

85 24.7 36.9 55.3#

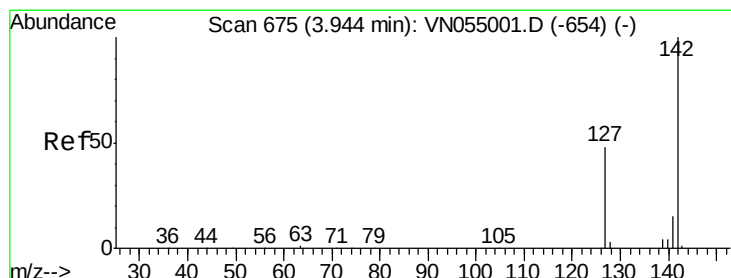
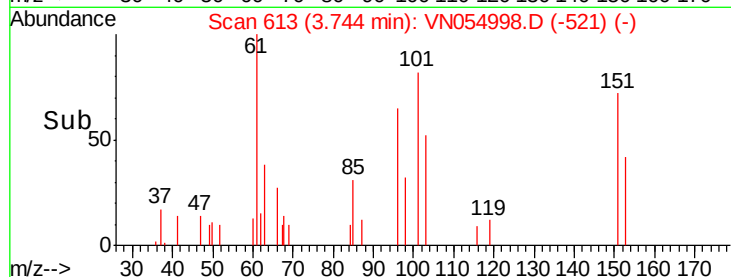
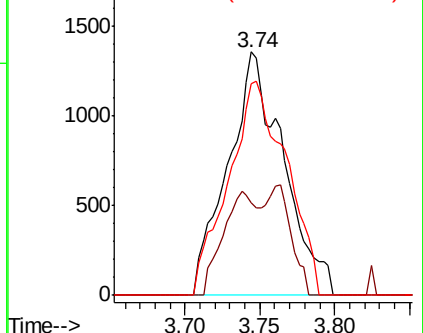
151 91.9 64.4 96.6



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: 0.837 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

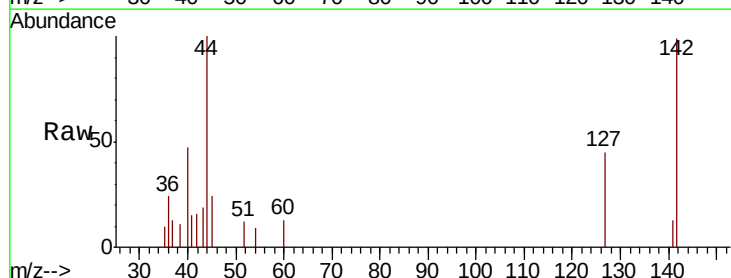
Tgt Ion:142 Resp: 4350

Ion Ratio Lower Upper

142 100

127 49.2 37.9 56.9

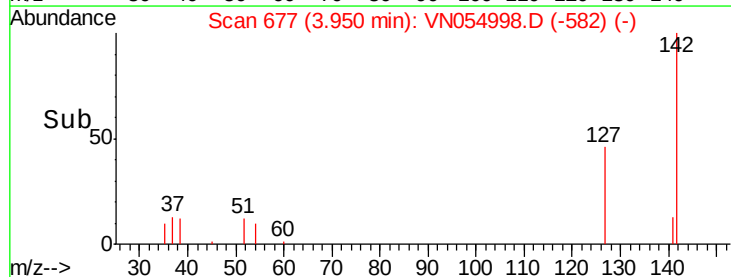
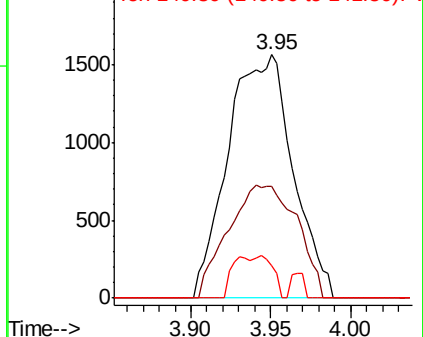
141 5.2 11.8 17.8#

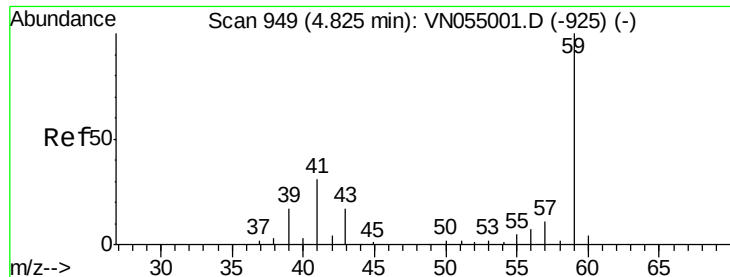


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

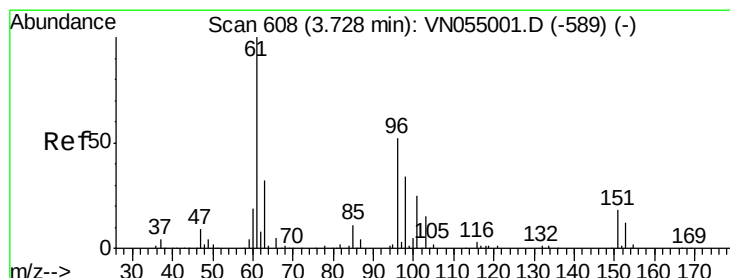
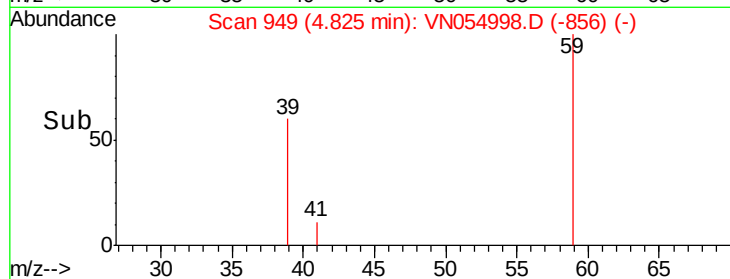
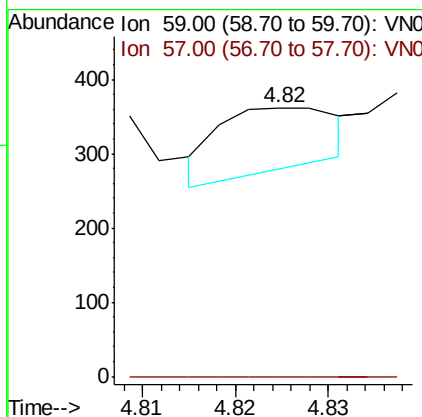
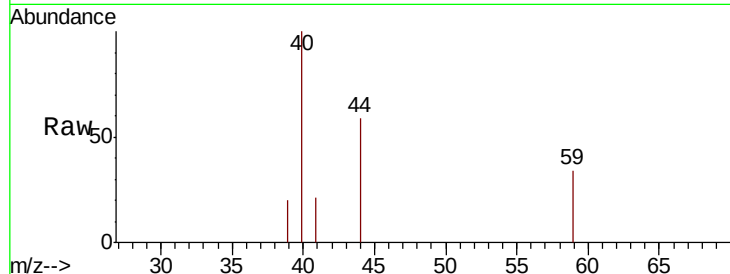




#11
Tert butyl alcohol
Concen: 0.259 ug/l
RT: 4.82 min Scan# 949
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

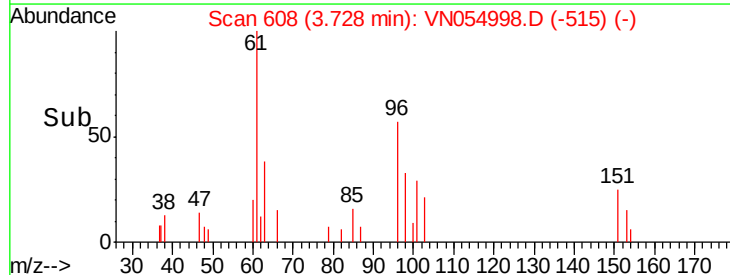
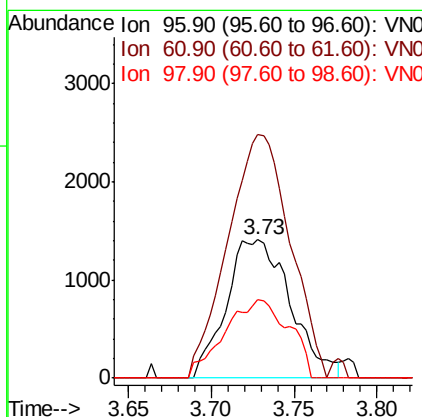
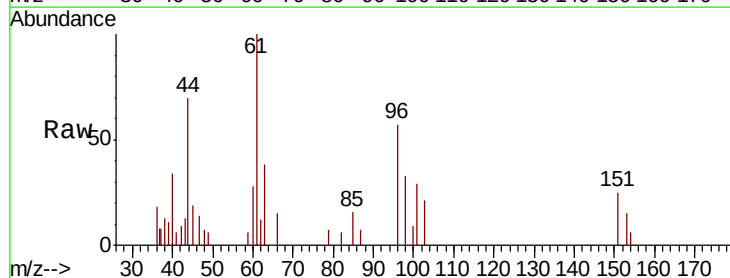
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

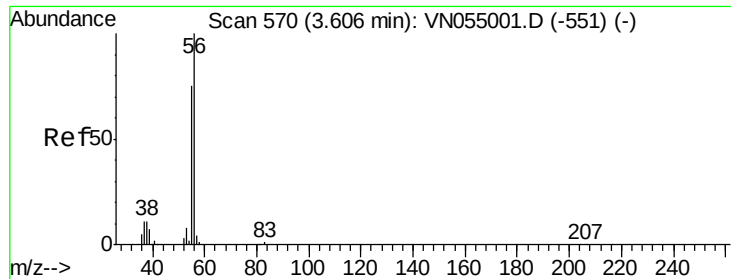
Tot Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 1.045 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 96 Resp: 3814
Ion Ratio Lower Upper
96 100
61 175.6 154.2 231.4
98 57.1 52.9 79.3





#13

Acrolein

Concen: 6.353 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

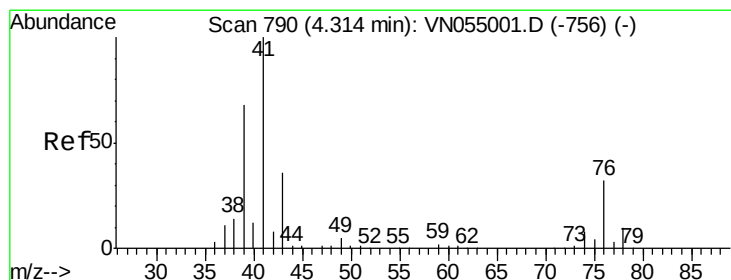
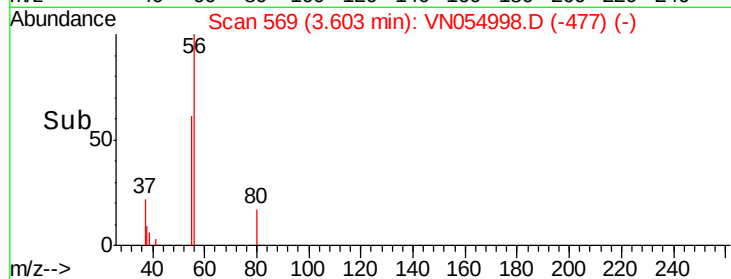
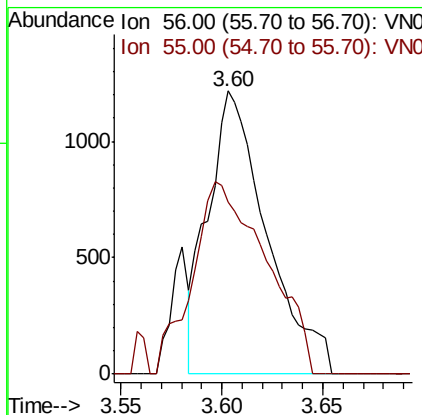
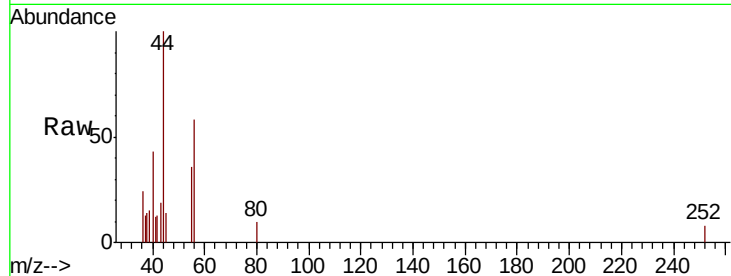
VSTDIC001

Tot Ion: 56 Resp: 2465

Ion Ratio Lower Upper

56 100

55 85.4 59.5 89.3



#14

Allyl chloride

Concen: 1.003 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

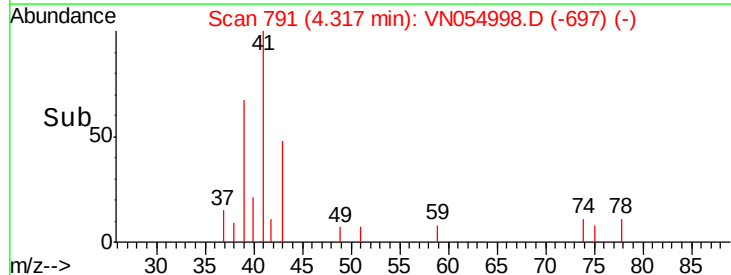
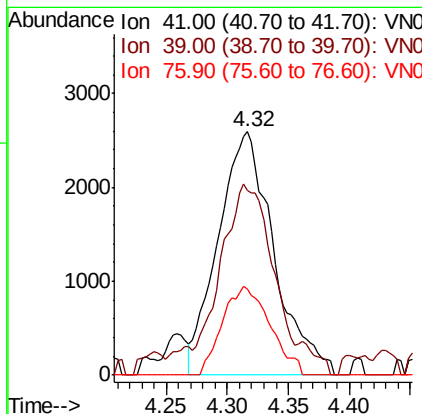
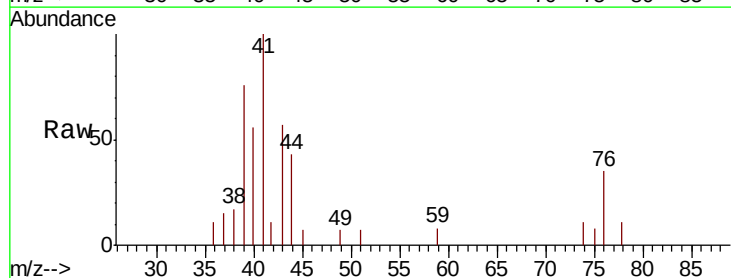
Tgt Ion: 41 Resp: 8227

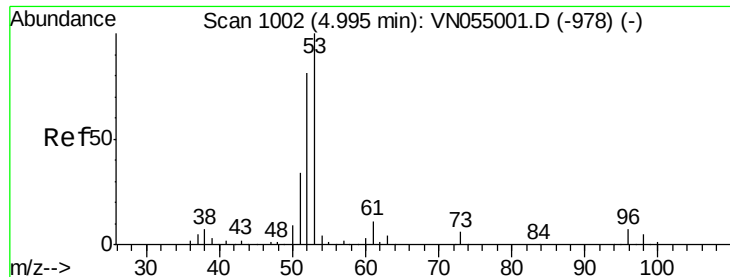
Ion Ratio Lower Upper

41 100

39 67.0 52.7 79.1

76 31.1 23.2 34.8





#15

Acrylonitrile

Concen: 5.011 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

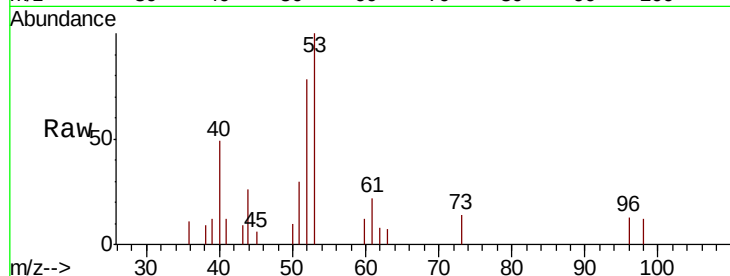
Tot Ion: 53 Resp: 8773

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

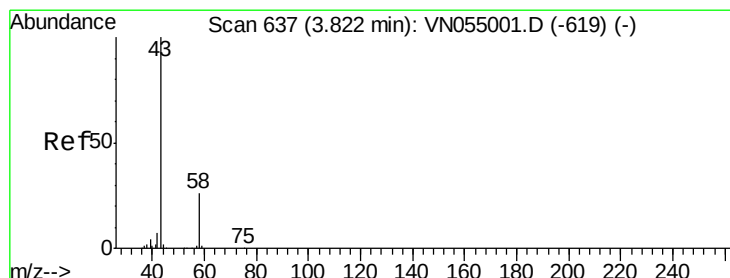
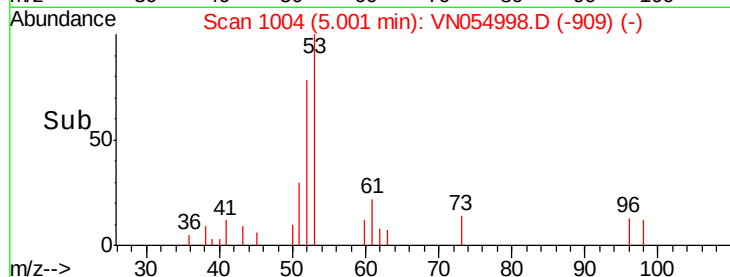
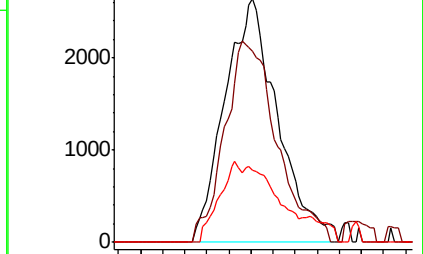
51 14.3 29.7 44.5#



Abundance Ion 53.00 (52.70 to 53.70): VN055001.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN055001.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN055001.D (-978) (-)



#16

Acetone

Concen: 5.533 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054998.D

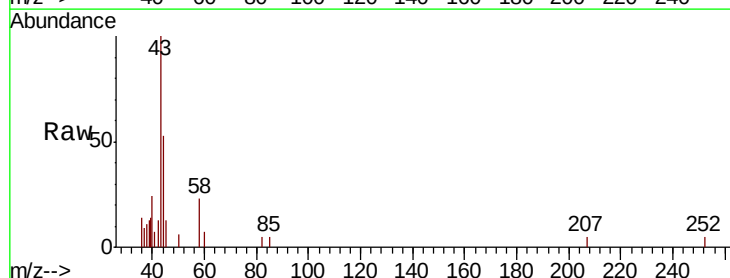
Acq: 12 Apr 2019 14:39

Tgt Ion: 43 Resp: 8682

Ion Ratio Lower Upper

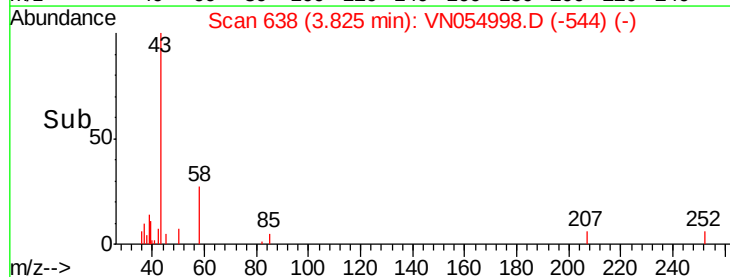
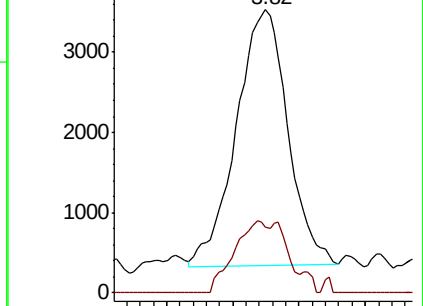
43 100

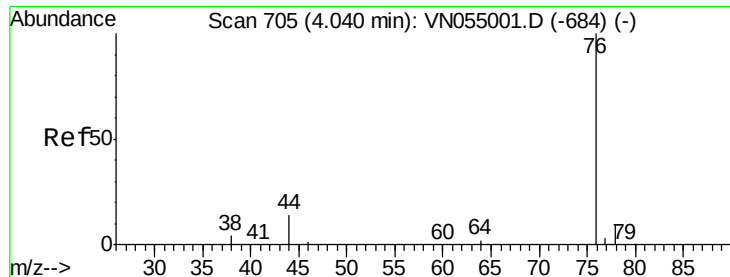
58 26.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-619) (-)





#17

Carbon Disulfide

Concen: 1.027 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

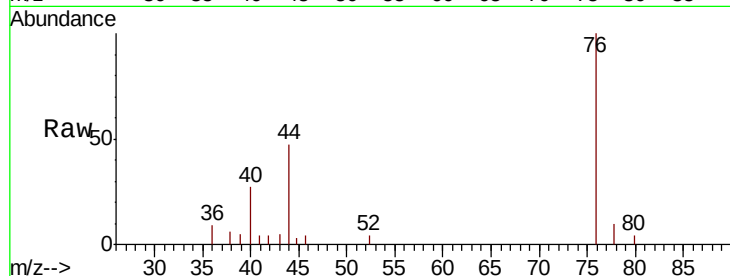
VSTDIC001

Tot Ion: 76 Resp: 11936

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN054998.D (-612) (-)

Ion 77.90 (77.60 to 78.60): VN054998.D (-612) (-)

4.04

4000

3000

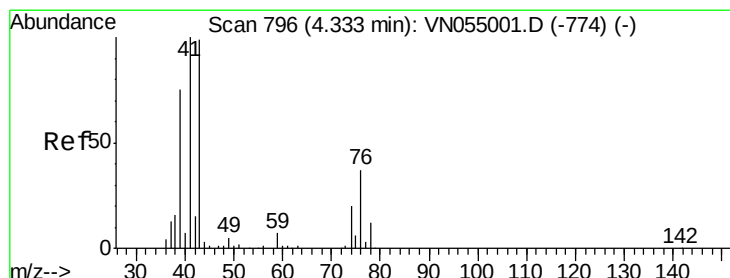
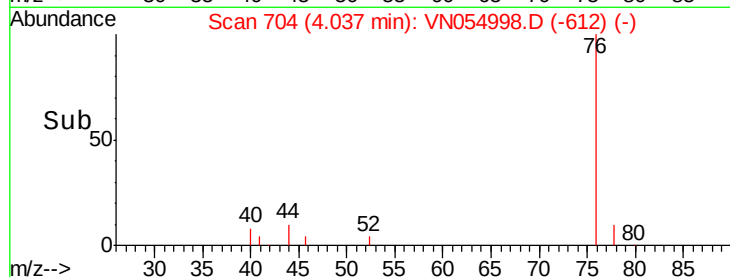
2000

1000

0

3.95 4.00 4.05 4.10

Time-->



#18

Methyl Acetate

Concen: 0.573 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN054998.D

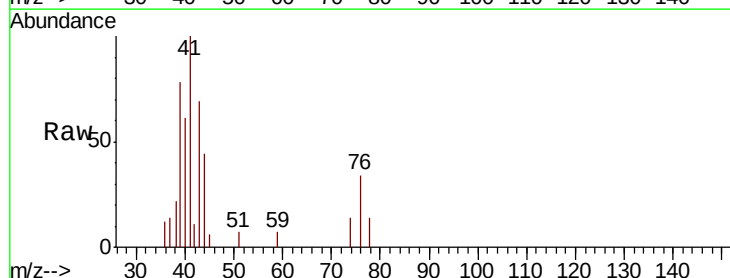
Acq: 12 Apr 2019 14:39

Tgt Ion: 43 Resp: 2435

Ion Ratio Lower Upper

43 100

74 25.6 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VN054998.D (-703) (-)

Ion 74.00 (73.70 to 74.70): VN054998.D (-703) (-)

4.32

2000

1500

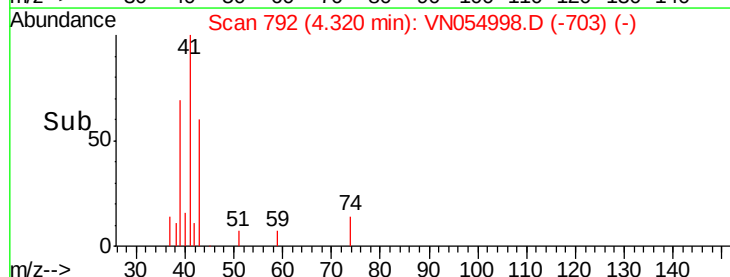
1000

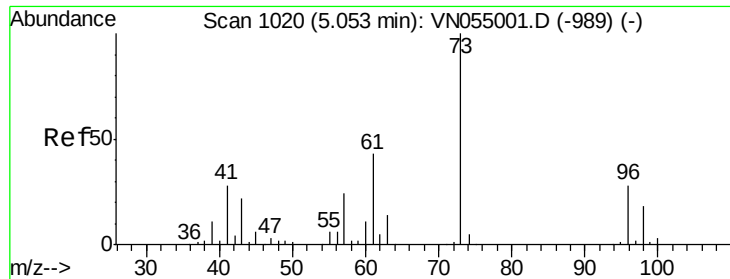
500

0

4.28 4.30 4.32 4.34

Time-->





#19

Methyl tert-butyl Ether

Concen: 0.908 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

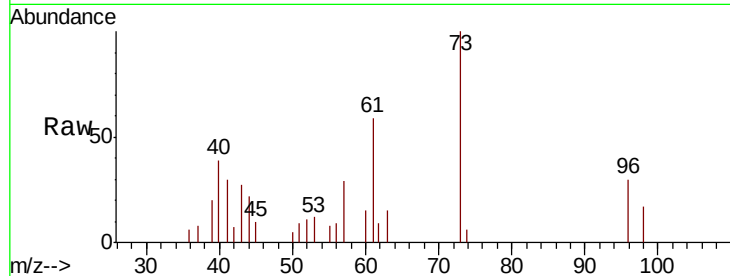
VSTDIC001

Tot Ion: 73 Resp: 10967

Ion Ratio Lower Upper

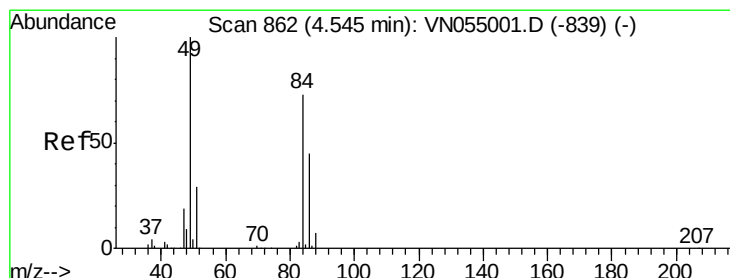
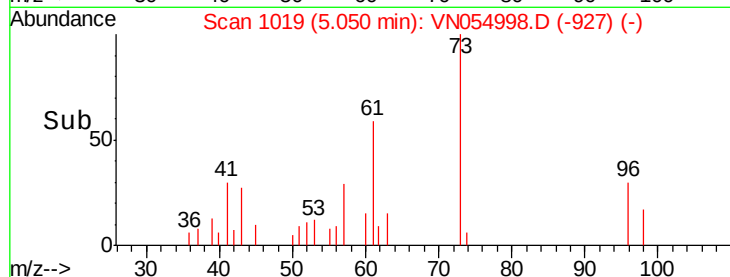
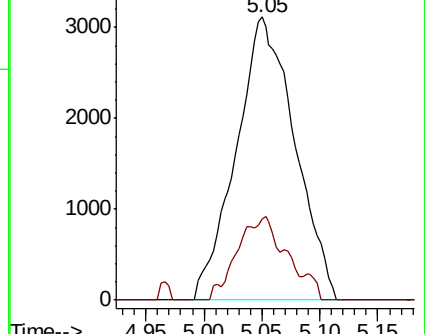
73 100

57 28.7 19.0 28.4#



Abundance Ion 73.00 (72.70 to 73.70): VN055001.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055001.D (-989) (-)



#20

Methylene Chloride

Concen: 1.449 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion: 84 Resp: 7501

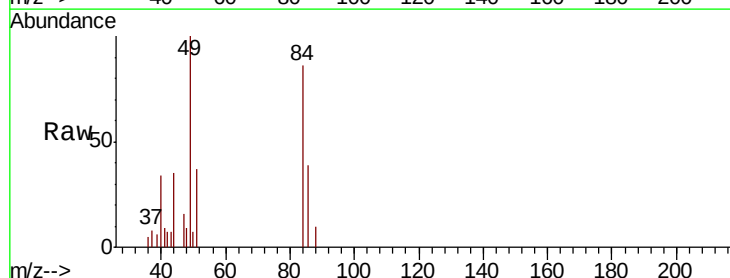
Ion Ratio Lower Upper

84 100

49 109.3 109.4 164.2#

51 43.5 32.2 48.4

86 45.7 49.3 73.9#

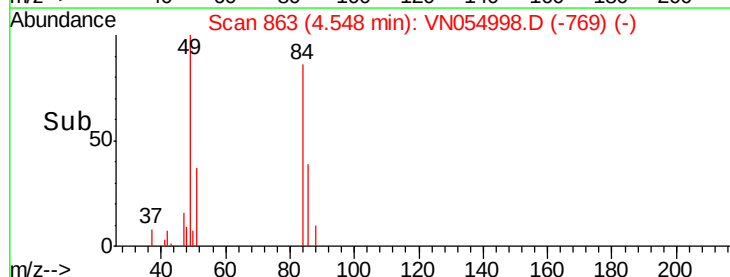
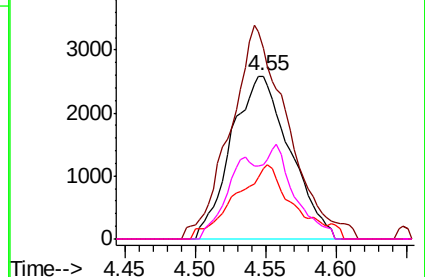


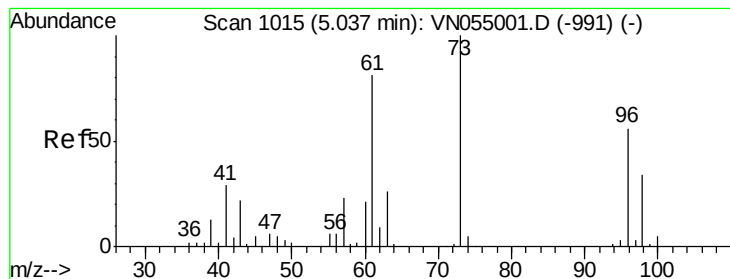
Abundance Ion 83.90 (83.60 to 84.60): VN055001.D (-839) (-)

Ion 48.90 (48.60 to 49.60): VN055001.D (-839) (-)

Ion 50.90 (50.60 to 51.60): VN055001.D (-839) (-)

Ion 85.90 (85.60 to 86.60): VN055001.D (-839) (-)





#21

trans-1,2-Dichloroethene

Concen: 0.395 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

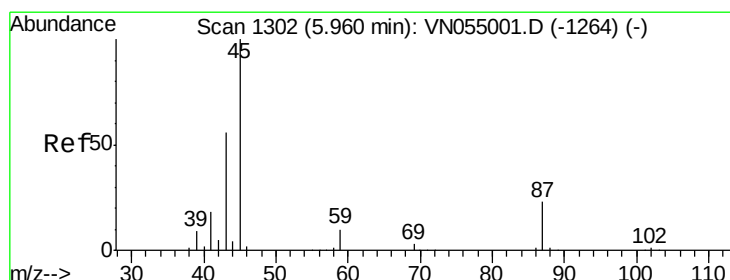
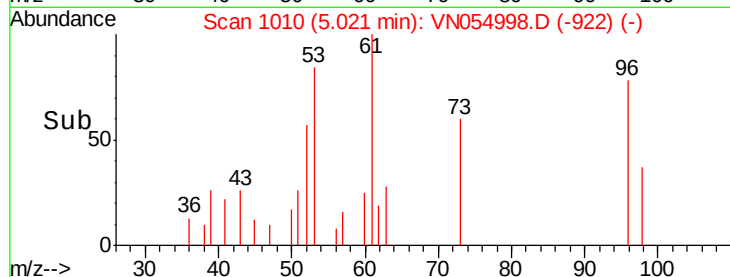
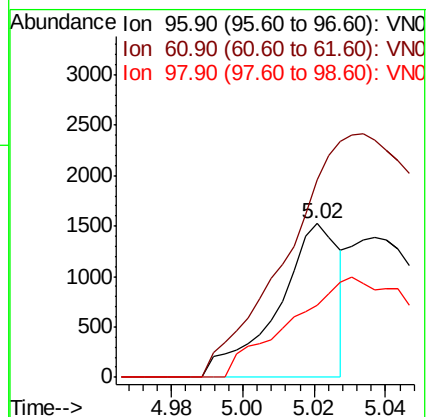
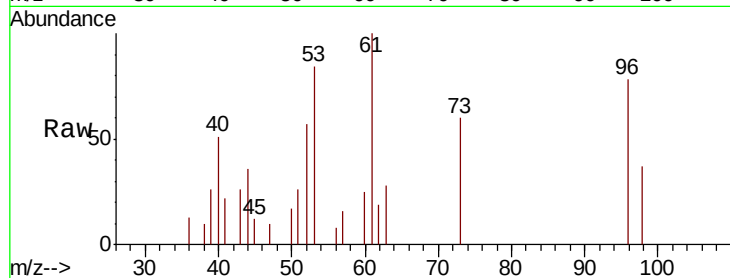
Tot Ion: 96 Resp: 1821

Ion Ratio Lower Upper

96 100

61 128.5 114.9 172.3

98 47.1 48.4 72.6#



#22

Diisopropyl ether

Concen: 0.930 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion: 45 Resp: 15717

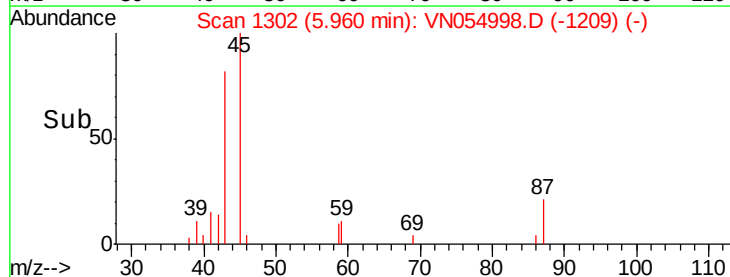
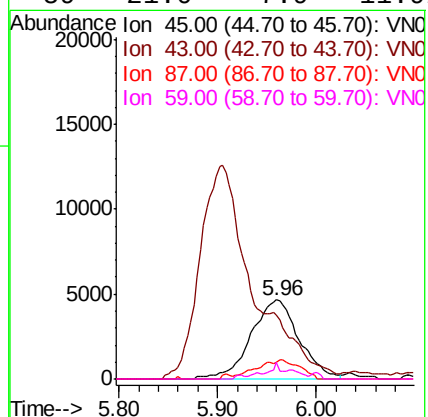
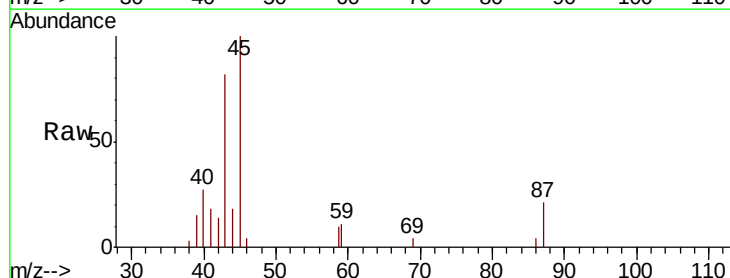
Ion Ratio Lower Upper

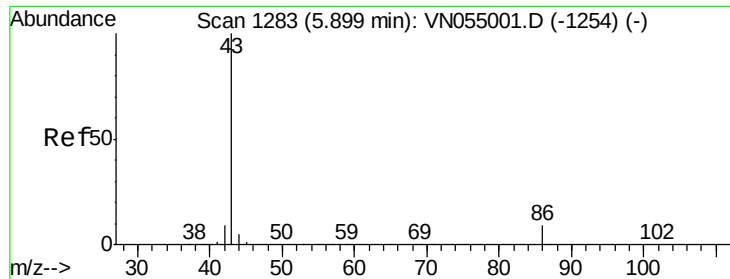
45 100

43 74.5 44.8 67.2#

87 21.0 18.9 28.3

59 21.0 7.9 11.9#





#23

Vinyl Acetate

Concen: 3.360 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

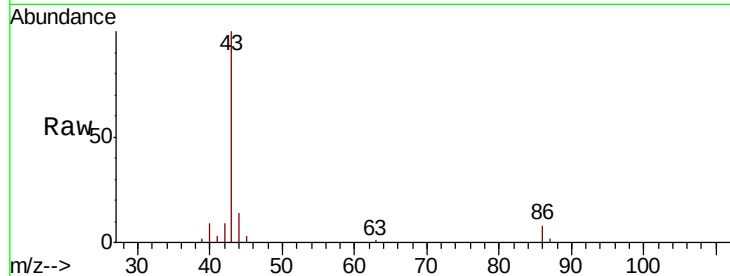
VSTDIC001

Tot Ion: 43 Resp: 39560

Ion Ratio Lower Upper

43 100

86 7.8 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055001.D (-1254) (-)

5.90

15000

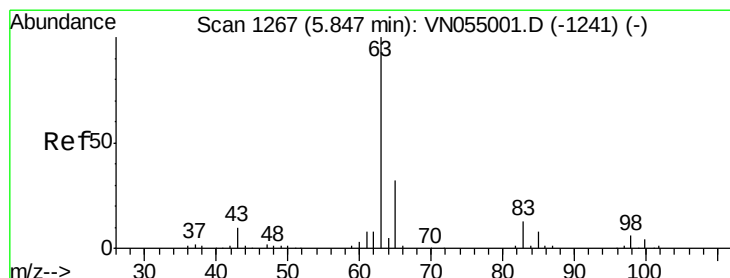
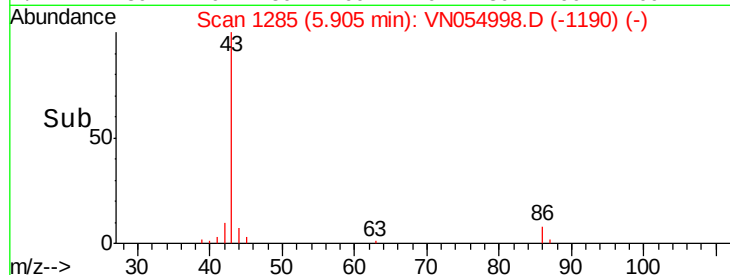
10000

5000

0

Time-->

5.80 5.85 5.90 5.95



#24

1,1-Dichloroethane

Concen: 1.010 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

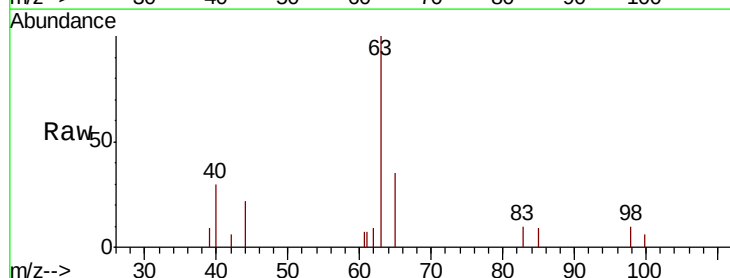
Tgt Ion: 63 Resp: 9283

Ion Ratio Lower Upper

63 100

98 9.8 2.8 8.4#

100 5.9 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055001.D (-1241) (-)

5.84

4000

3000

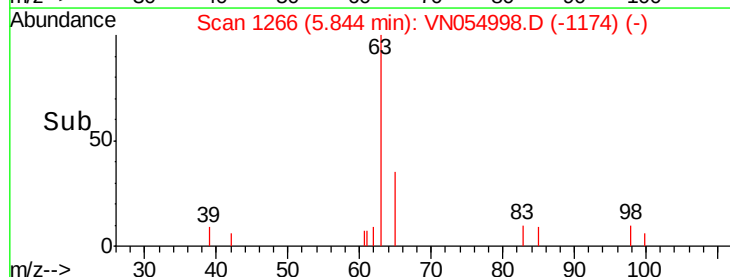
2000

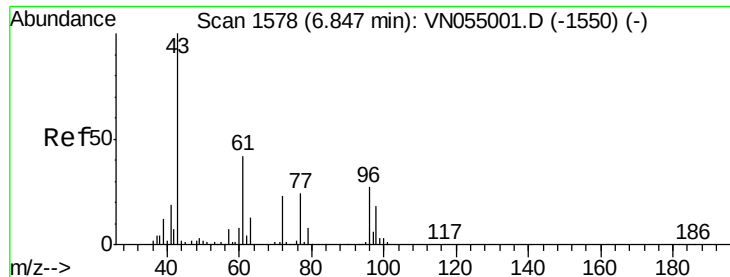
1000

0

Time-->

5.75 5.80 5.85 5.90 5.95

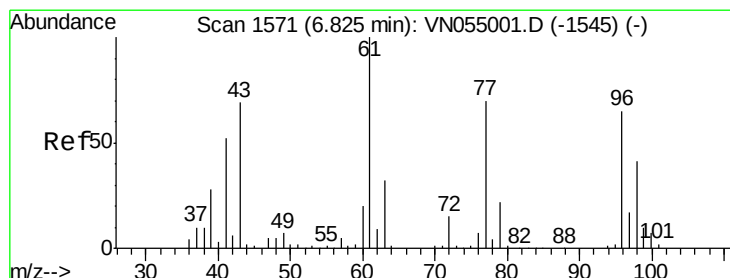
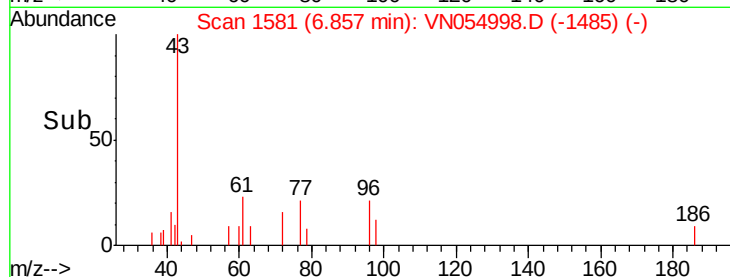
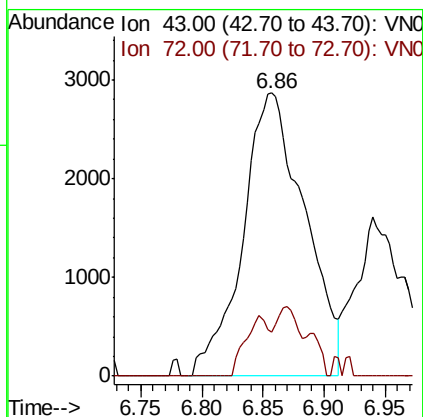
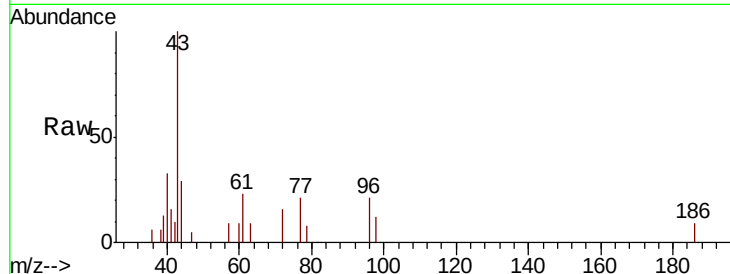




#25
2-Butanone
Concen: 4.772 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

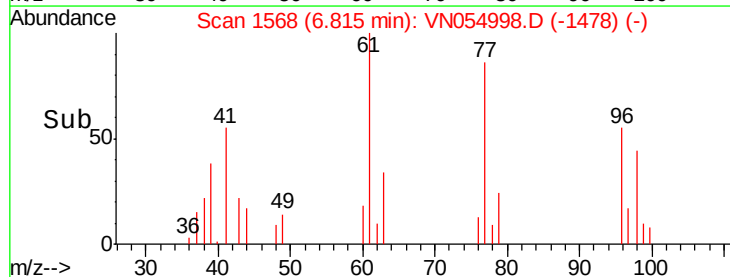
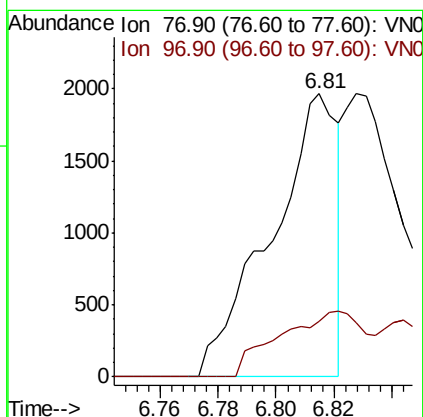
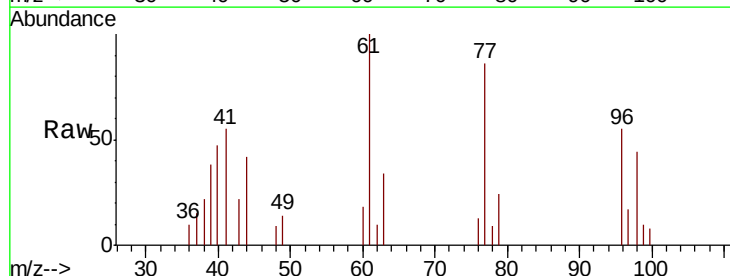
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

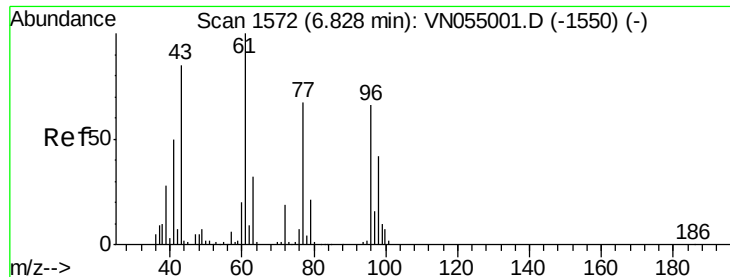
Tot Ion: 43 Resp: 10101
Ion Ratio Lower Upper
43 100
72 15.6 18.1 27.1#



#26
2,2-Dichloropropane
Concen: 0.487 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 77 Resp: 3117
Ion Ratio Lower Upper
77 100
97 30.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 0.953 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

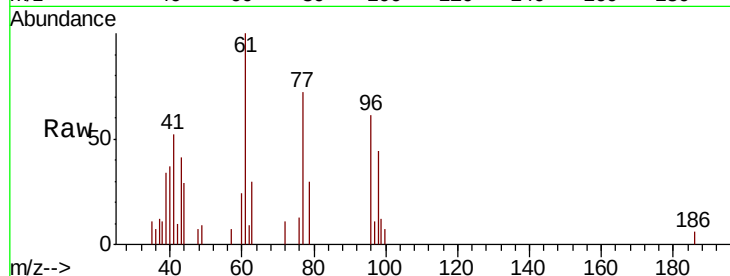
Tot Ion: 96 Resp: 5003

Ion Ratio Lower Upper

96 100

61 154.8 0.0 311.0

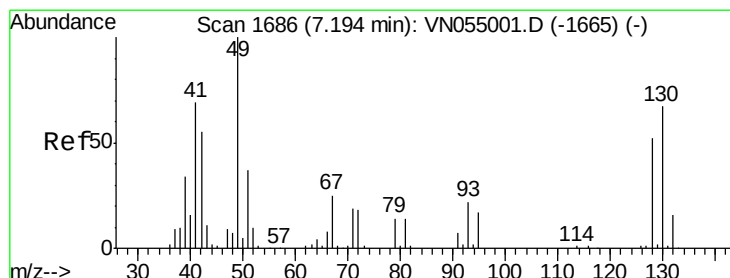
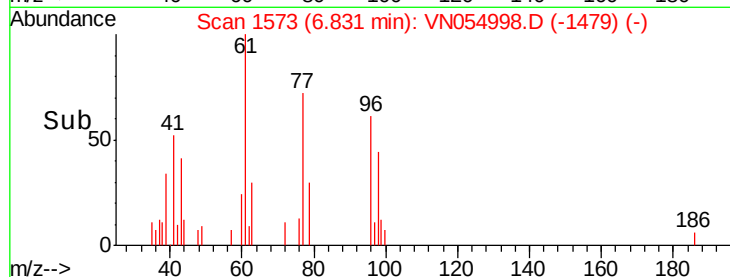
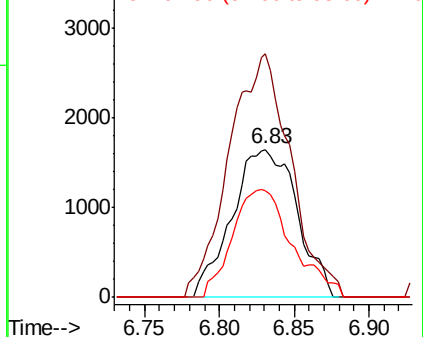
98 66.9 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN055001.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055001.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1550) (-)



#28

Bromochloromethane

Concen: 1.020 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

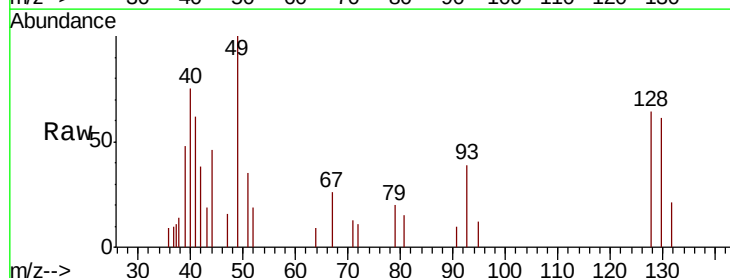
Tgt Ion: 49 Resp: 4427

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

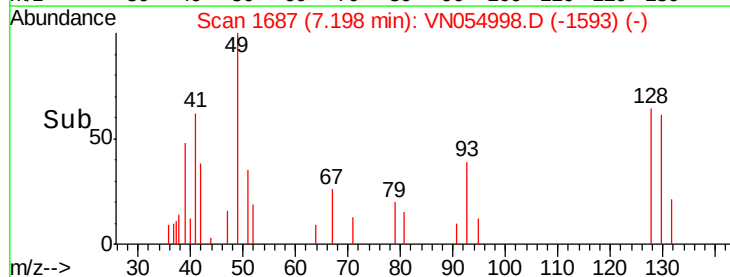
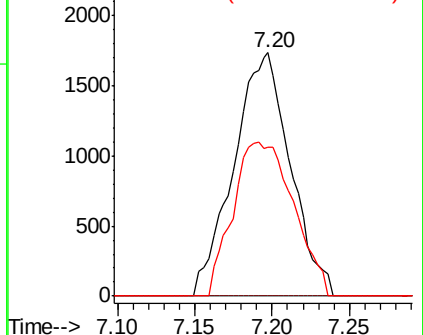
130 67.5 53.4 80.2

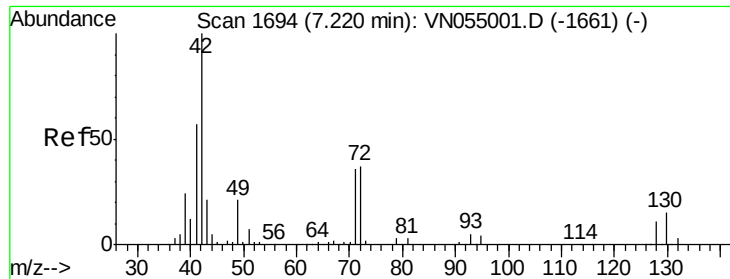


Abundance Ion 48.90 (48.60 to 49.60): VN055001.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055001.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055001.D (-1665) (-)

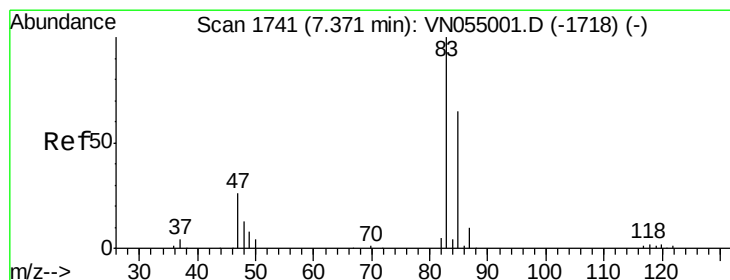
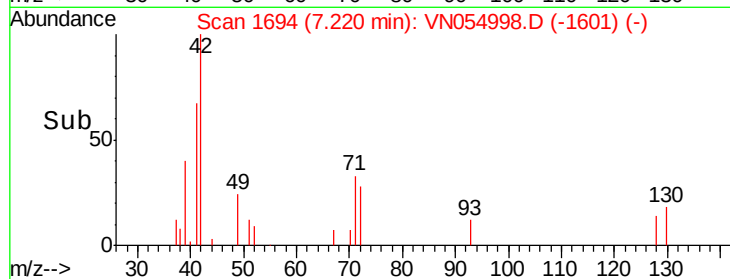
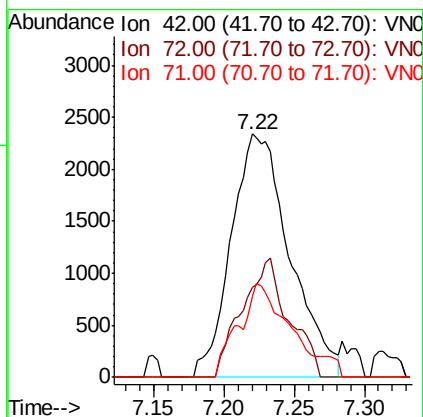
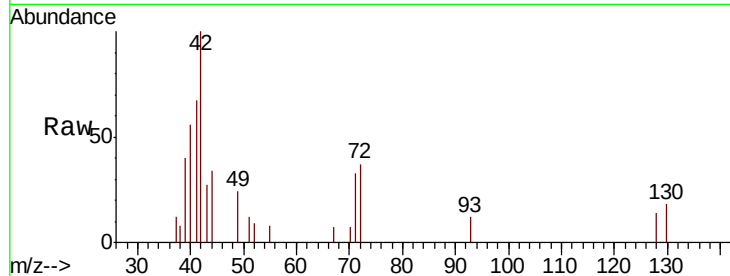




#29
Tetrahydrofuran
Concen: 4.863 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

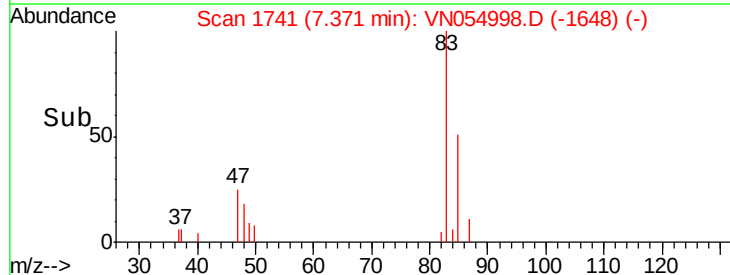
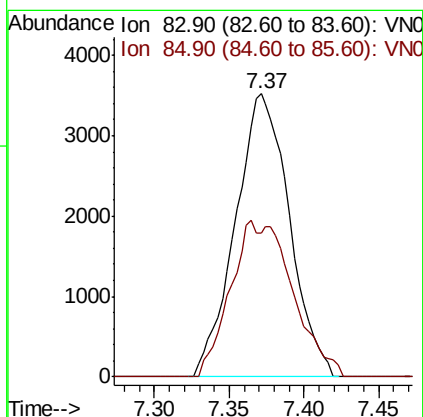
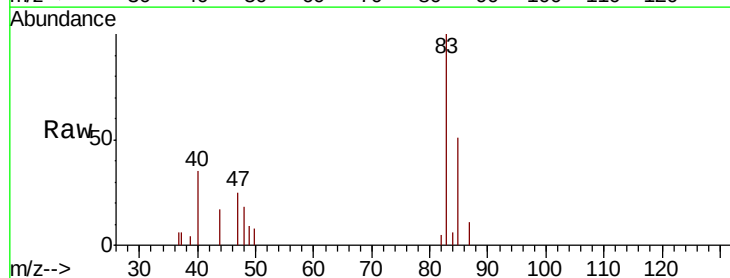
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

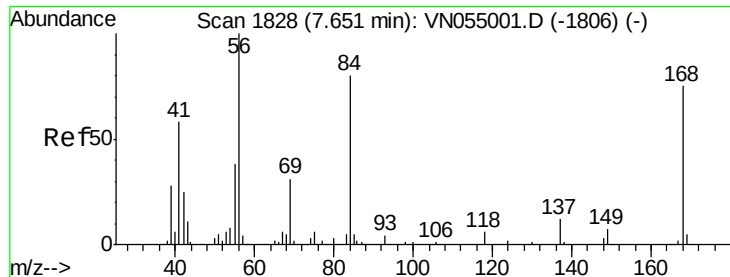
Tot Ion: 42 Resp: 6806
Ion Ratio Lower Upper
42 100
72 38.8 29.4 44.0
71 34.7 27.8 41.6



#30
Chloroform
Concen: 1.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 83 Resp: 8840
Ion Ratio Lower Upper
83 100
85 50.9 51.8 77.6#

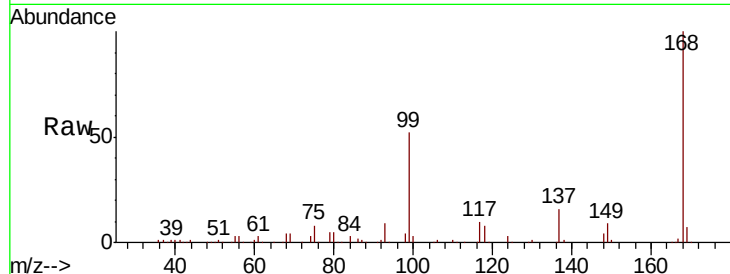




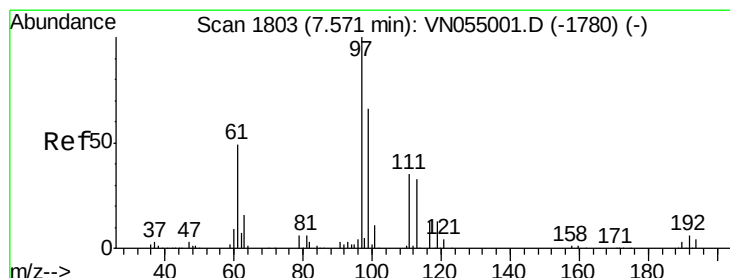
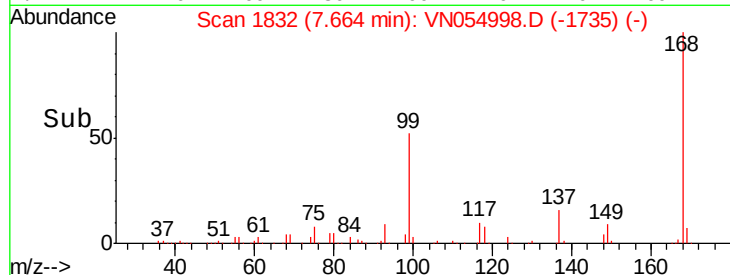
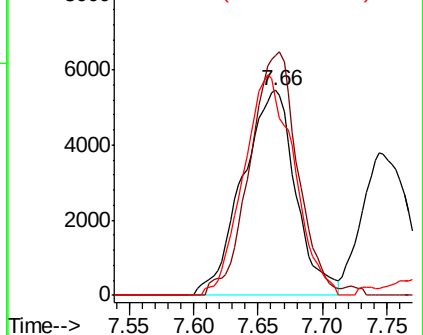
#31
Cyclohexane
Concen: 1.492 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 15647
Ion Ratio Lower Upper
56 100
69 117.2 24.5 36.7#
84 96.0 62.9 94.3#

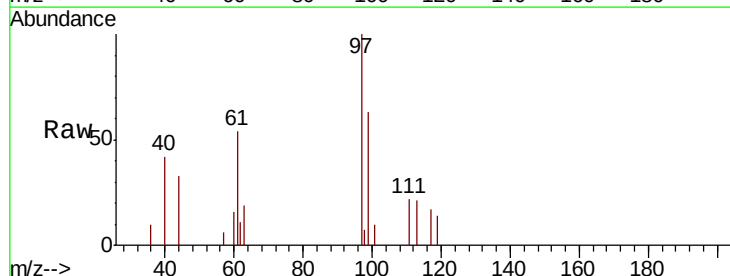


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

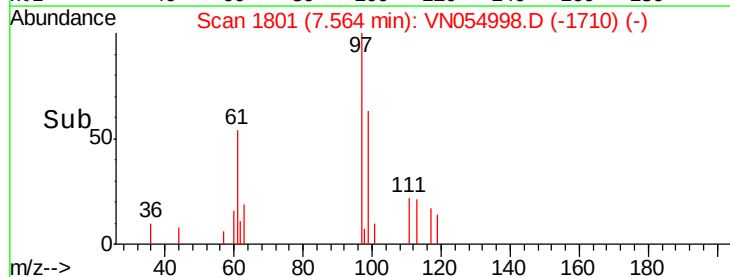
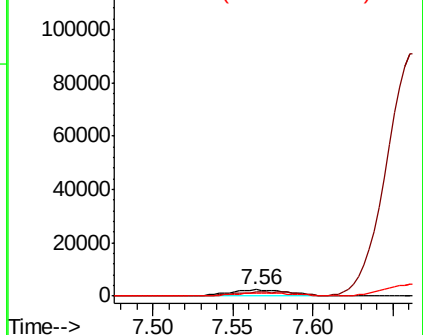


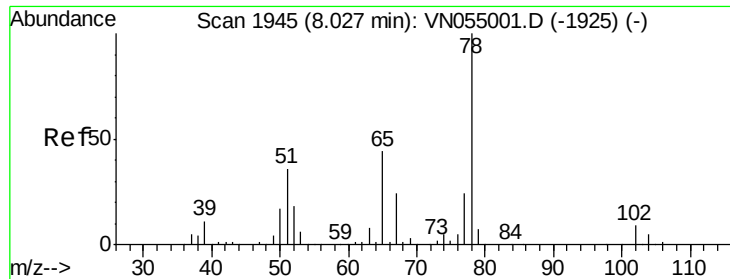
#32
1,1,1-Trichloroethane
Concen: 0.872 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 97 Resp: 6387
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 49.6 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

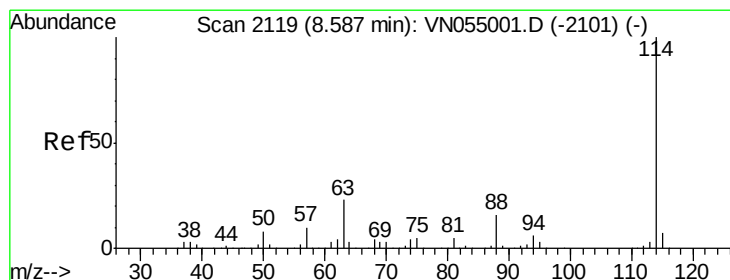
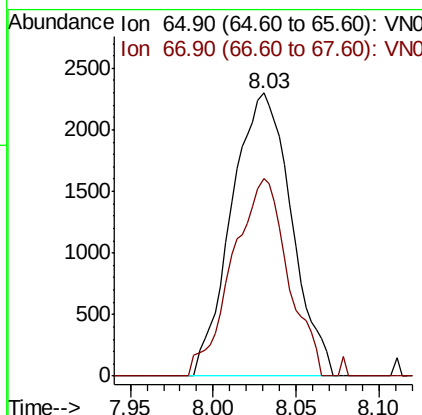
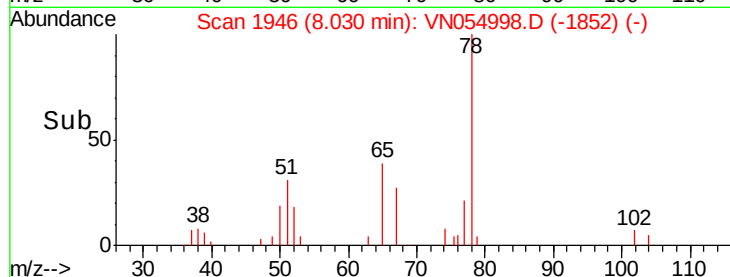
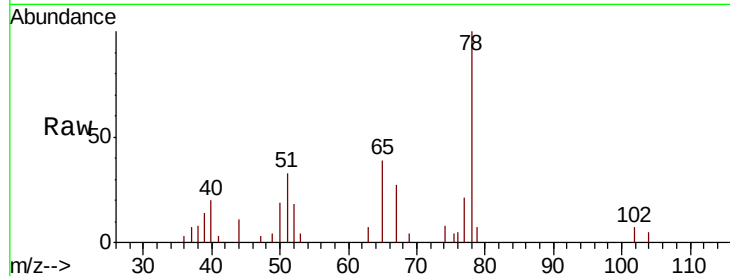




#33
 1,2-Dichloroethane-d4
 Concen: 1.032 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

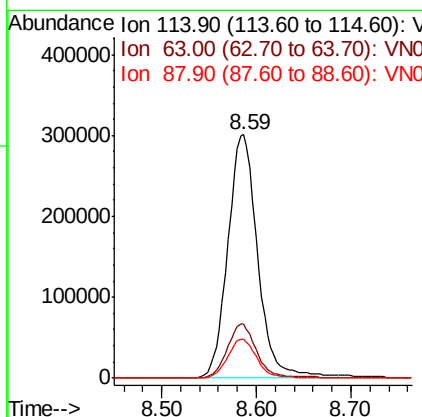
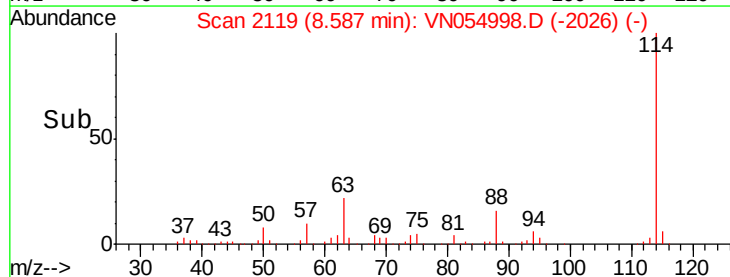
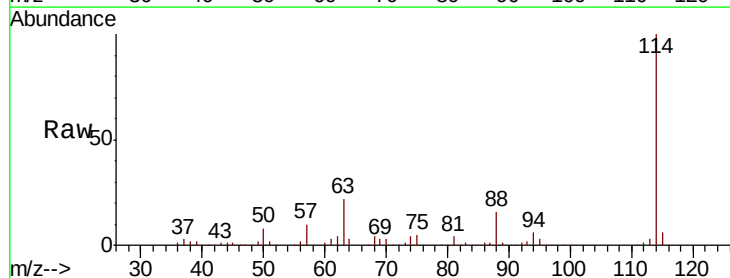
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

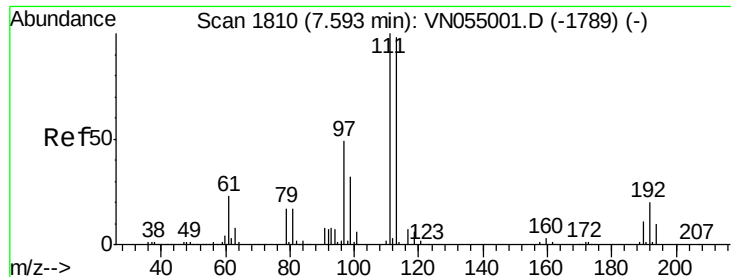
Tot Ion: 65 Resp: 5752
 Ion Ratio Lower Upper
 65 100
 67 64.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 114 Resp: 660260
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 15.9 0.0 31.8

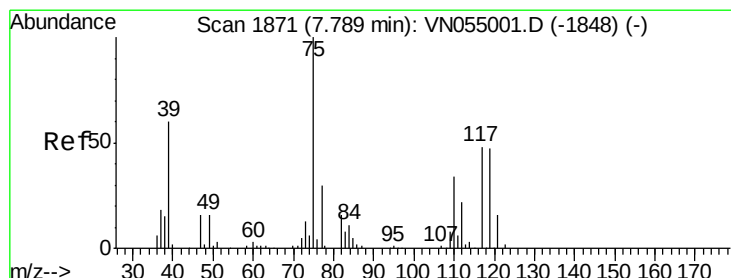
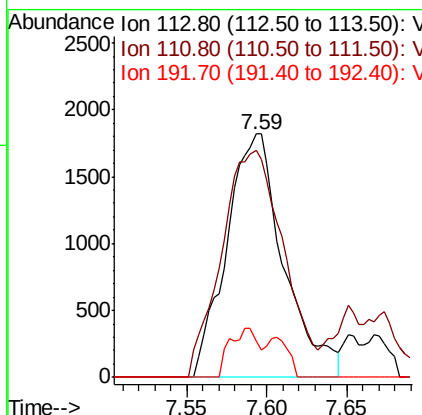
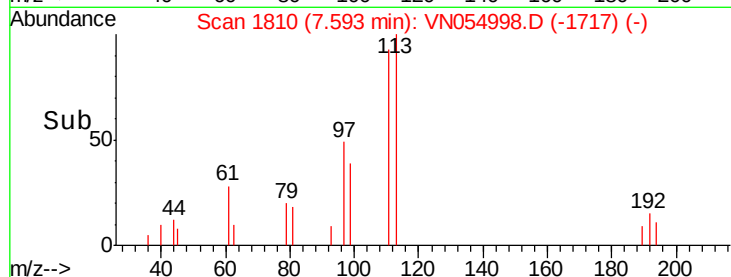
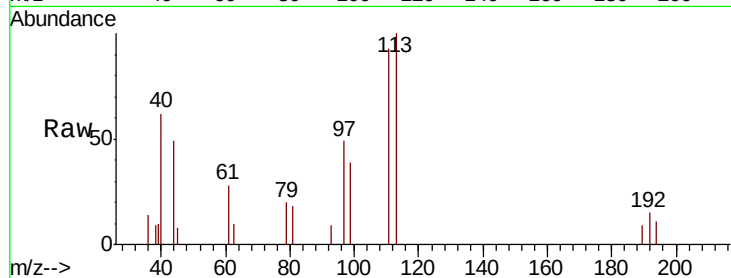




#35
 Dibromofluoromethane
 Concen: 1.032 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

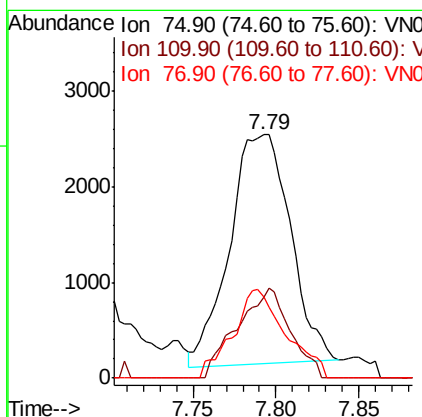
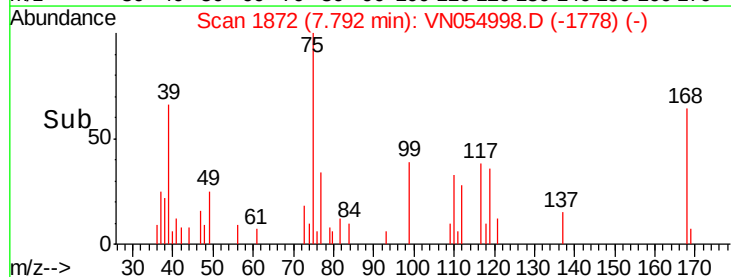
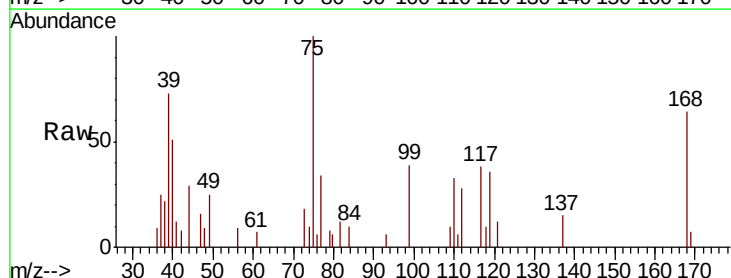
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

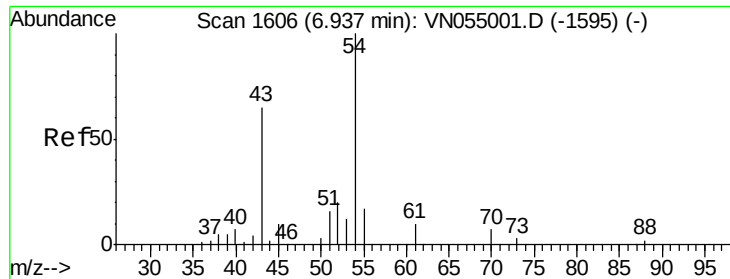
Tot Ion:113 Resp: 4435
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.1 123.1
 192 9.9 16.5 24.7#



#36
 1,1-Dichloropropene
 Concen: 0.949 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 75 Resp: 6122
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.5 52.5
 77 33.9 24.9 37.3

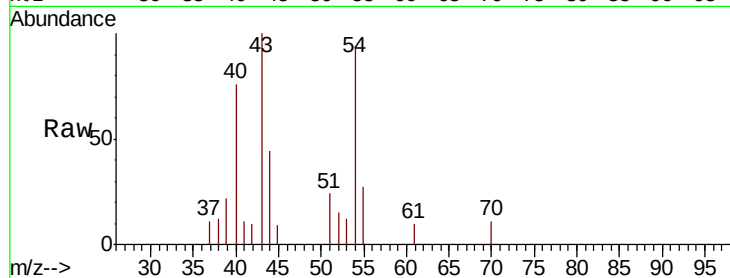




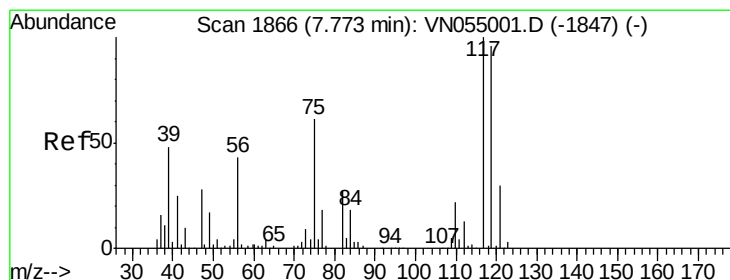
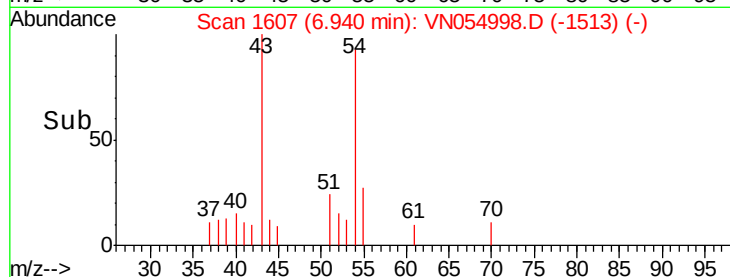
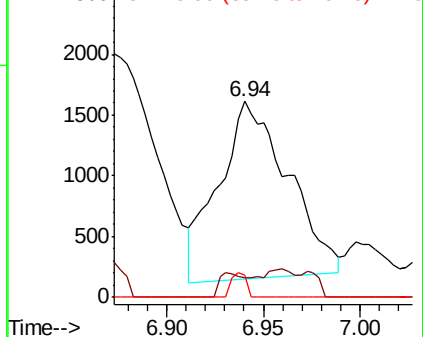
#37
Ethyl Acetate
Concen: 0.804 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 2.9 7.1 10.7#

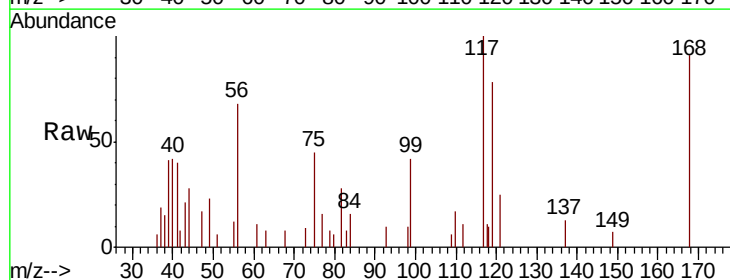


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

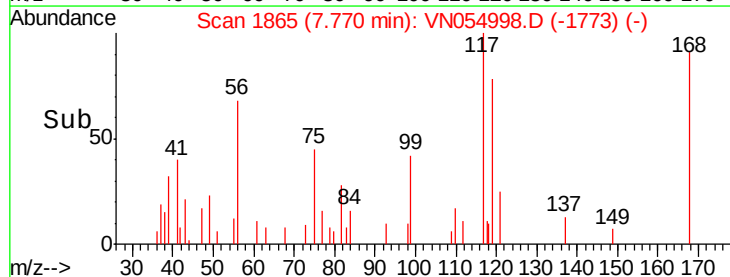
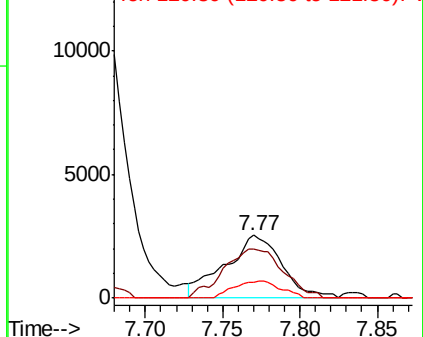


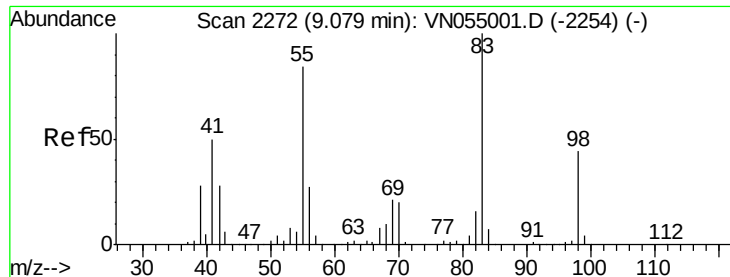
#38
Carbon Tetrachloride
Concen: 1.040 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 117 Resp: 6456
Ion Ratio Lower Upper
117 100
119 78.4 76.3 114.5
121 25.0 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

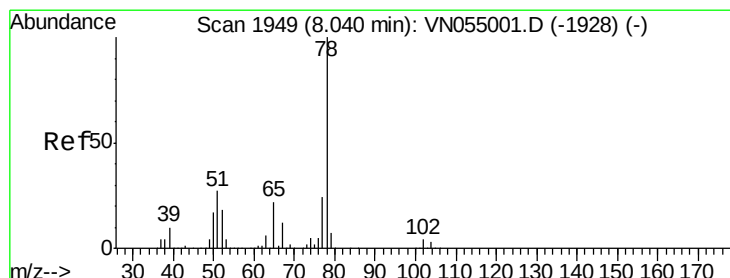
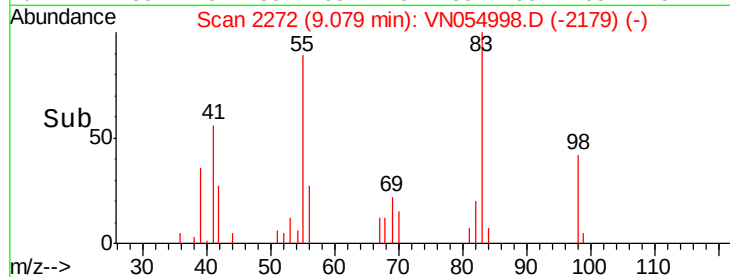
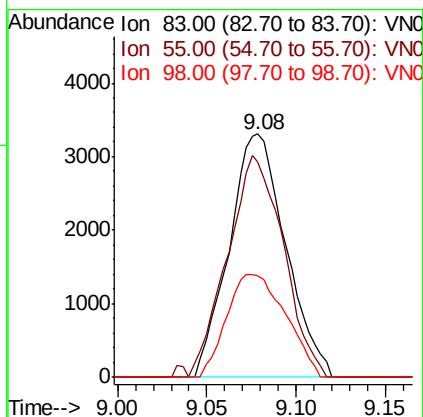
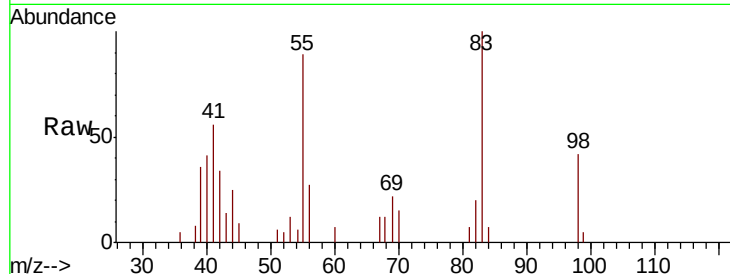




#39
Methylvlcyclohexane
Concen: 1.026 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

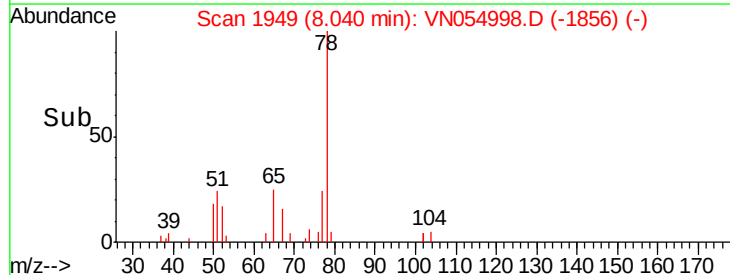
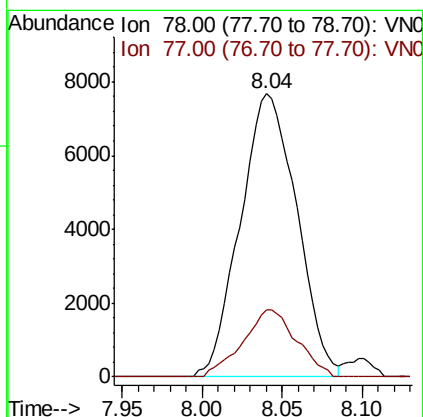
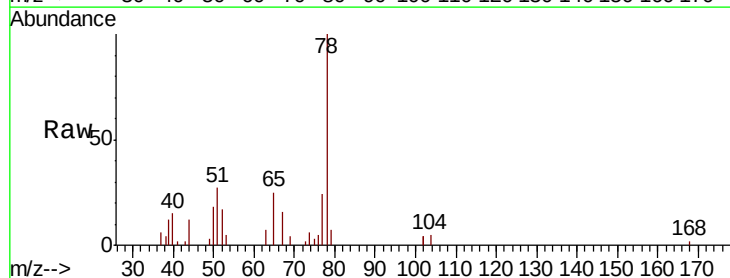
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

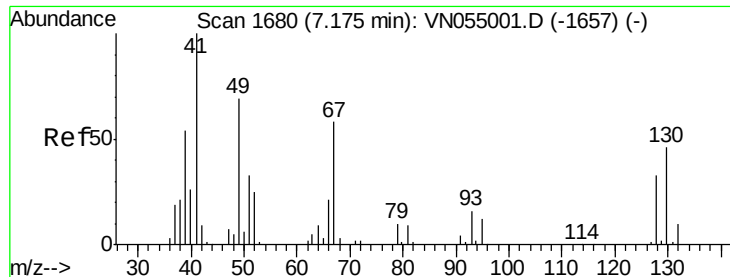
Tot Ion: 83 Resp: 7292
Ion Ratio Lower Upper
83 100
55 88.7 67.0 100.4
98 41.9 35.6 53.4



#40
Benzene
Concen: 0.999 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 78 Resp: 18637
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

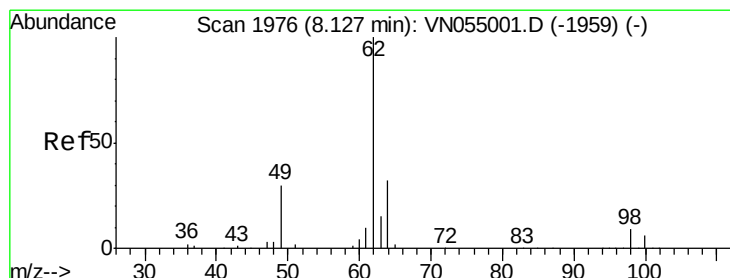
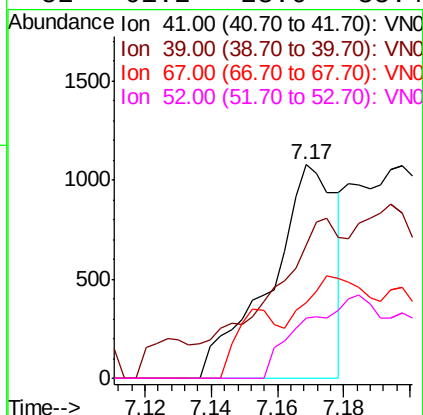
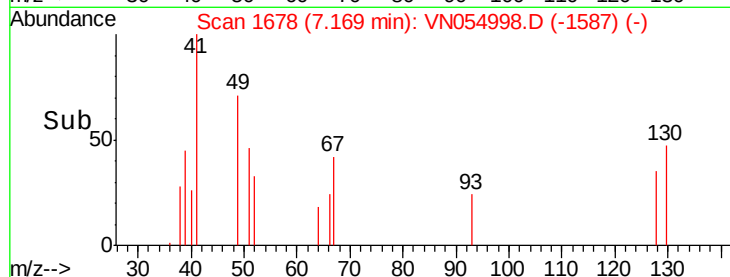
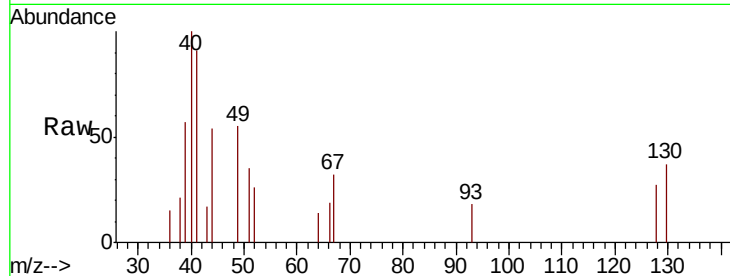




#41
Methacrylonitrile
Concen: 0.577 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

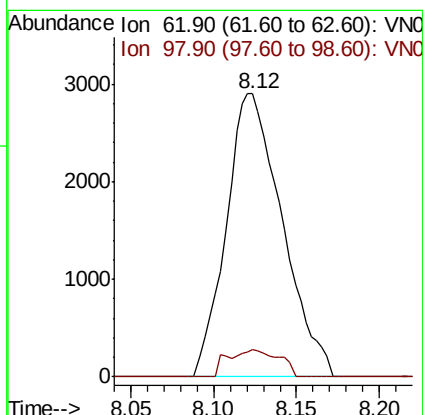
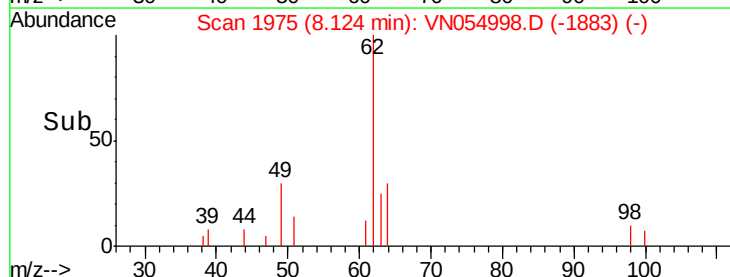
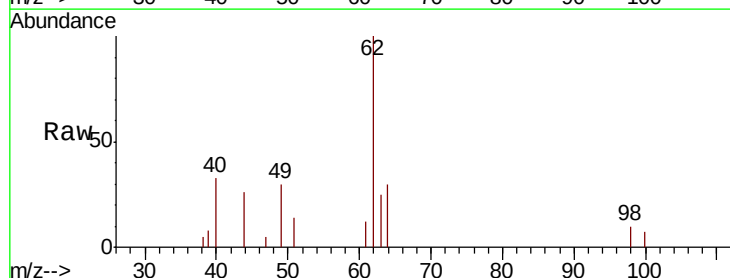
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

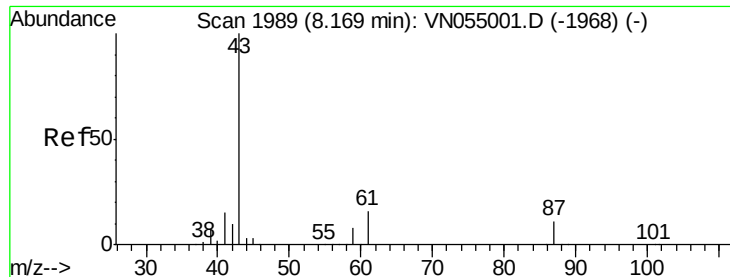
Tot Ion: 41 Resp: 1492
Ion Ratio Lower Upper
41 100
39 57.3 45.6 68.4
67 26.1 57.0 85.6#
52 61.2 23.6 35.4#



#42
1,2-Dichloroethane
Concen: 1.034 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 62 Resp: 6797
Ion Ratio Lower Upper
62 100
98 6.4 0.0 17.4





#43

Isopropyl Acetate

Concen: 0.915 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

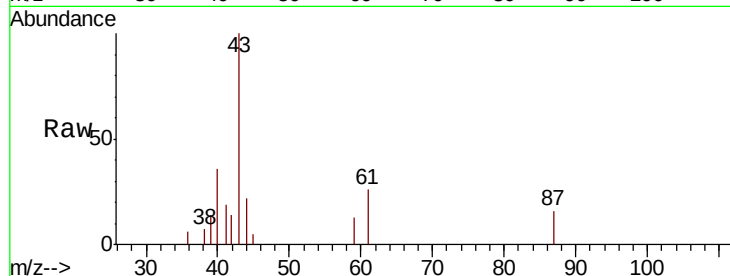
Tot Ion: 43 Resp: 6980

Ion Ratio Lower Upper

43 100

61 16.5 14.3 21.5

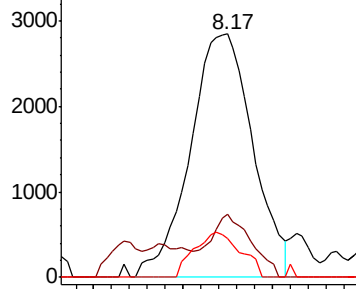
87 13.7 8.6 13.0#



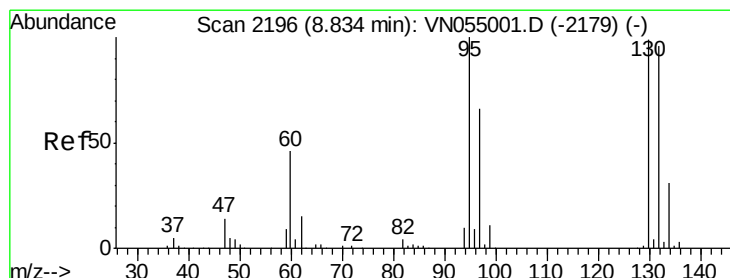
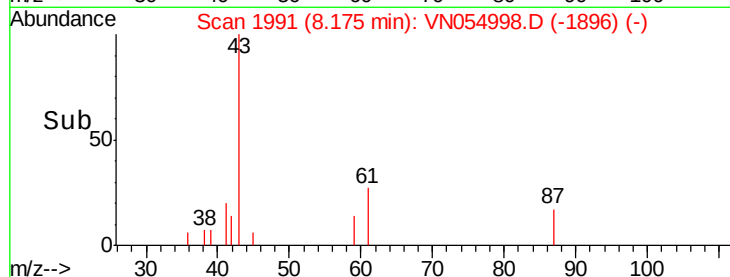
Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



Time-->



#44

Trichloroethene

Concen: 1.003 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054998.D

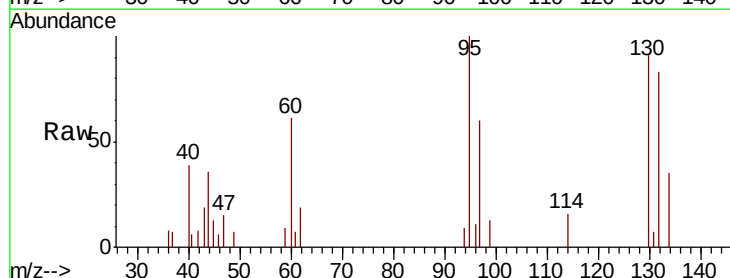
Acq: 12 Apr 2019 14:39

Tgt Ion: 130 Resp: 4790

Ion Ratio Lower Upper

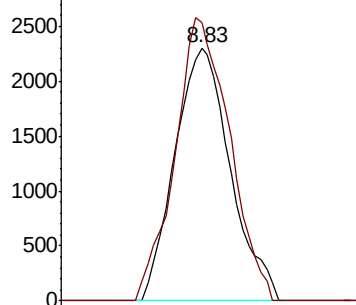
130 100

95 110.1 0.0 201.6

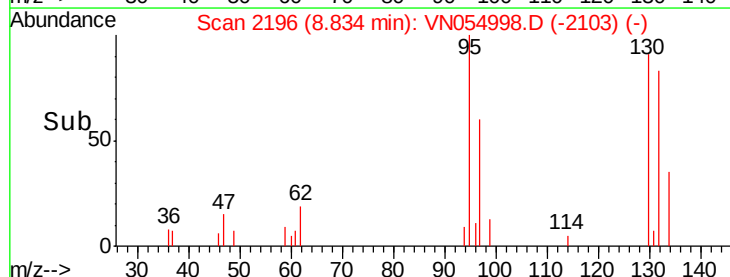


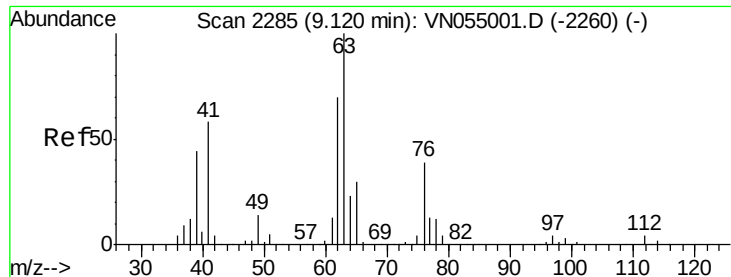
Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)



Time-->

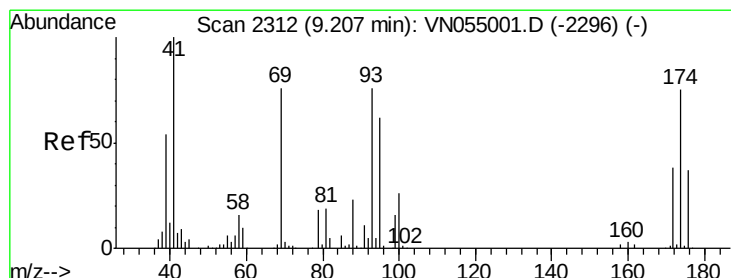
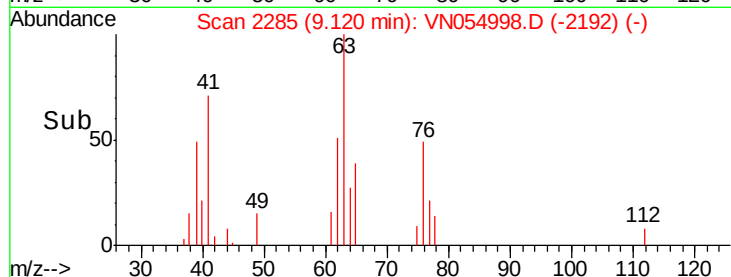
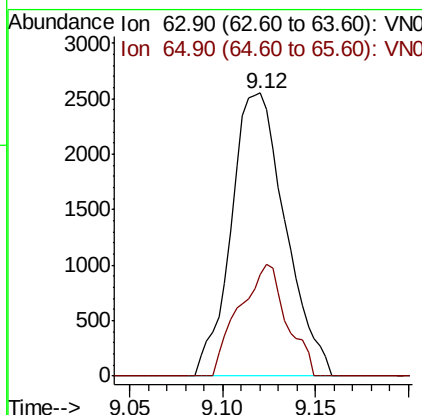
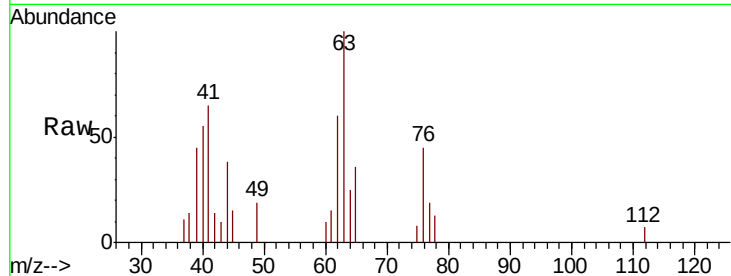




#45
 1,2-Dichloropropane
 Concen: 0.995 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

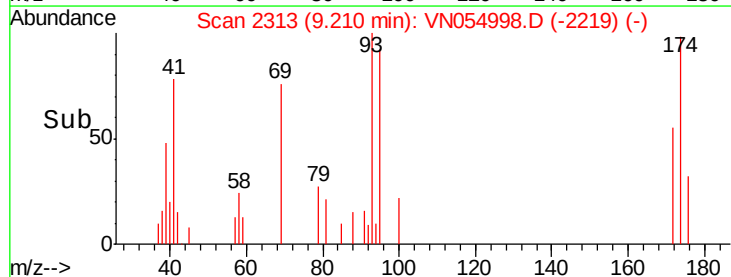
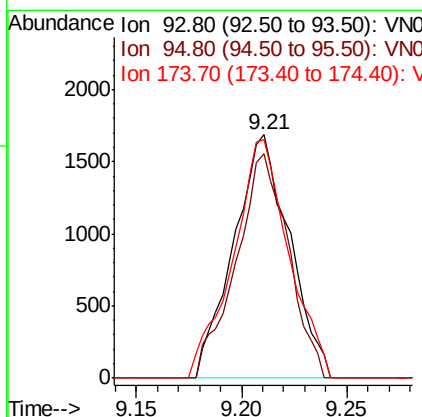
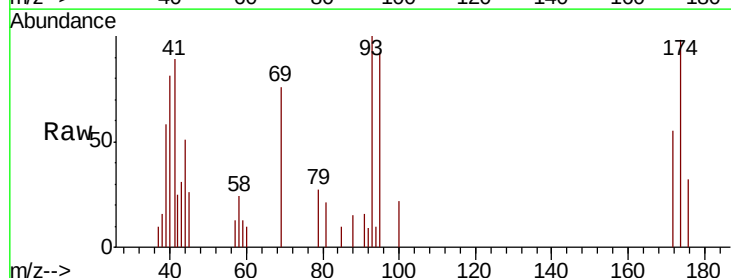
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

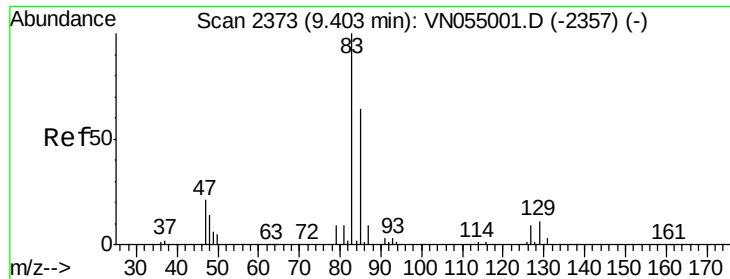
Tot Ion: 63 Resp: 5177
 Ion Ratio Lower Upper
 63 100
 65 35.9 24.4 36.6



#46
 Dibromomethane
 Concen: 1.043 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 93 Resp: 3101
 Ion Ratio Lower Upper
 93 100
 95 86.6 65.0 97.6
 174 98.1 81.0 121.6

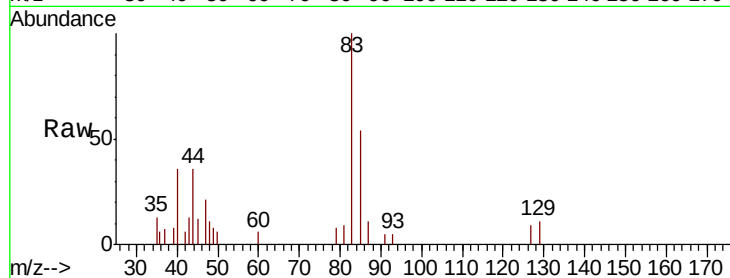




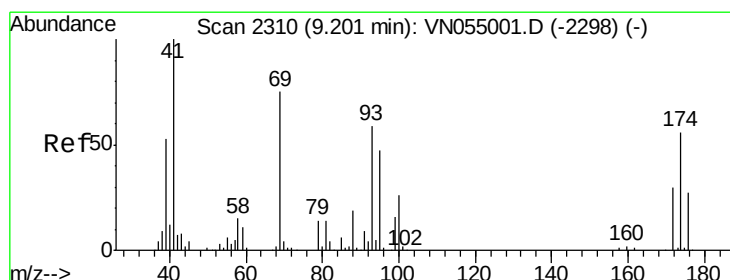
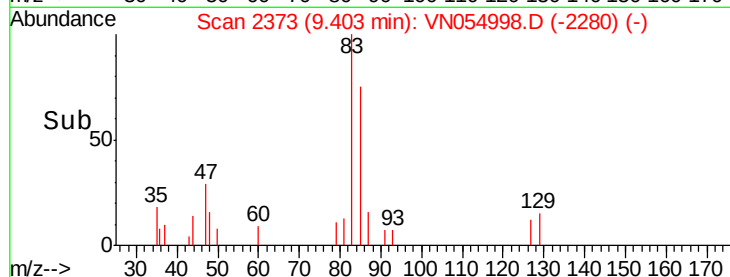
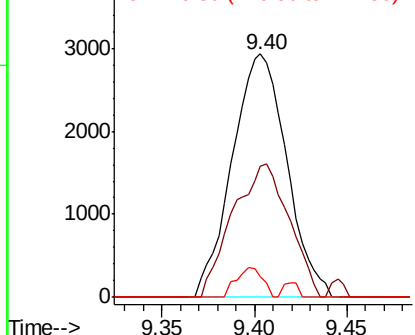
#47
 Bromodichloromethane
 Concen: 0.963 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 83 Resp: 5972
 Ion Ratio Lower Upper
 83 100
 85 54.0 51.2 76.8
 127 8.8 6.8 10.2

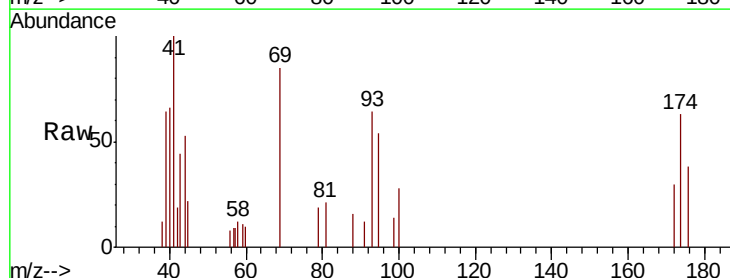


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

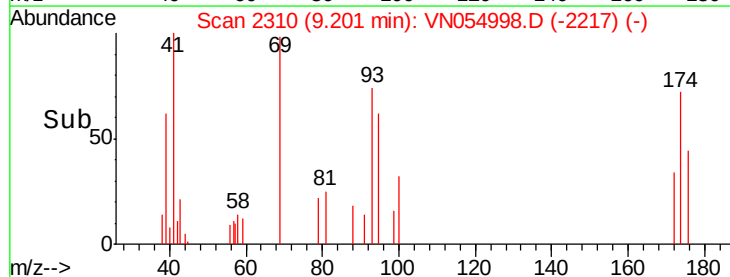
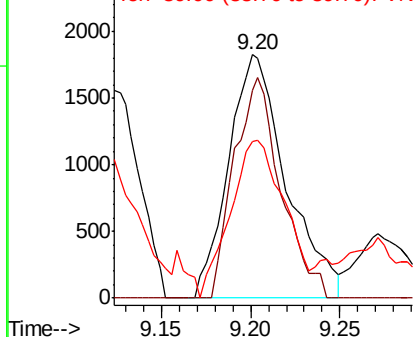


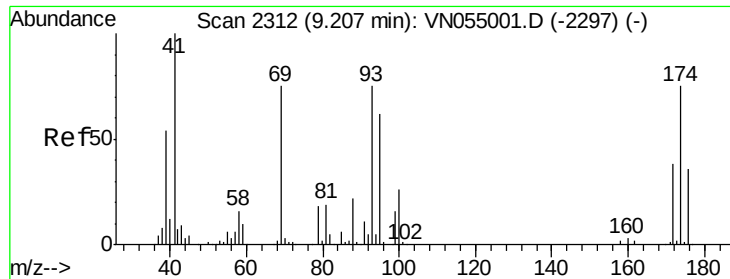
#48
 Methyl methacrylate
 Concen: 1.075 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 41 Resp: 4121
 Ion Ratio Lower Upper
 41 100
 69 73.3 60.5 90.7
 39 60.9 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 14.873 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

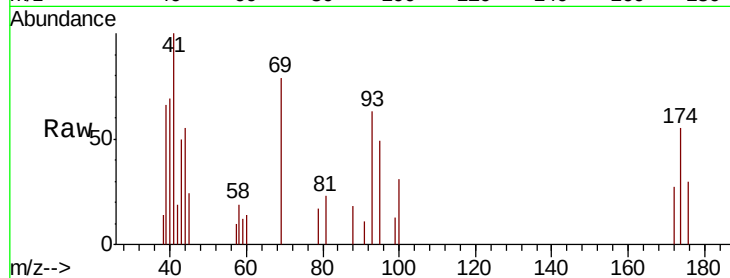
Tot Ion: 88 Resp: 587

Ion Ratio Lower Upper

88 100

43 110.4 31.8 47.8#

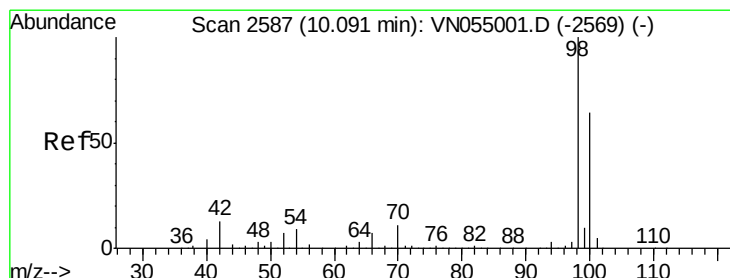
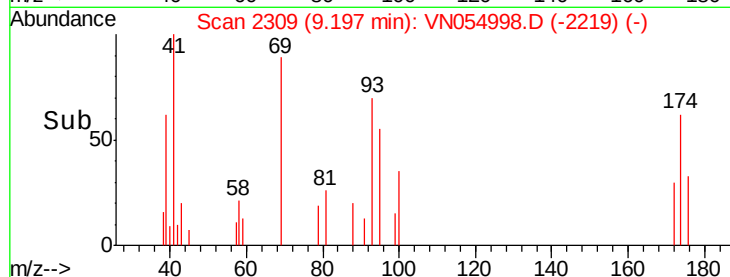
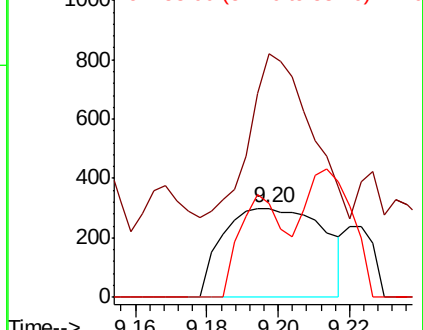
58 51.1 61.6 92.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 1.049 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054998.D

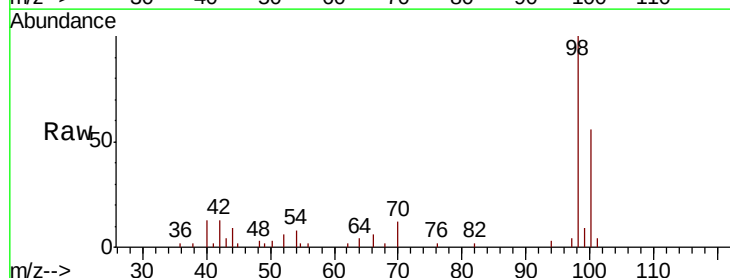
Acq: 12 Apr 2019 14:39

Tgt Ion: 98 Resp: 17029

Ion Ratio Lower Upper

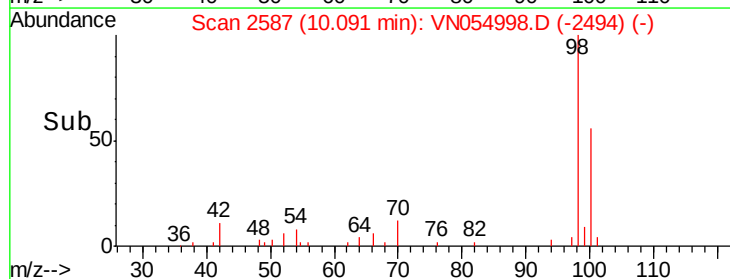
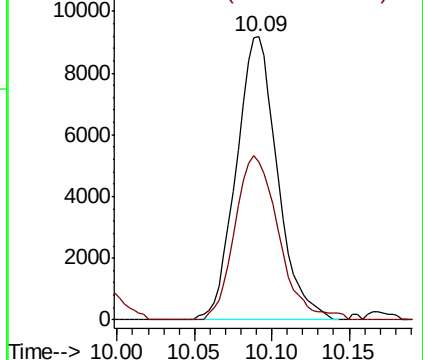
98 100

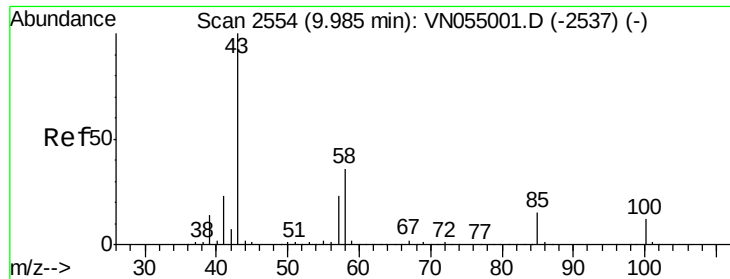
100 61.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 4.869 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

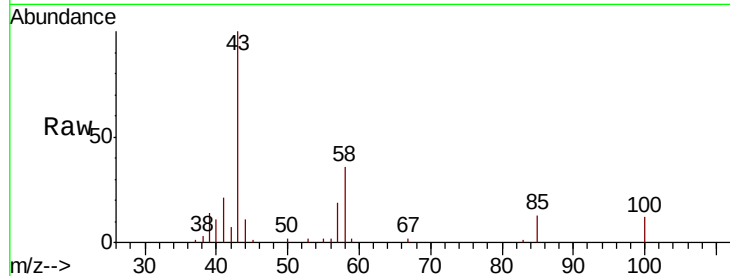
VSTDIC001

Tot Ion: 43 Resp: 20831

Ion Ratio Lower Upper

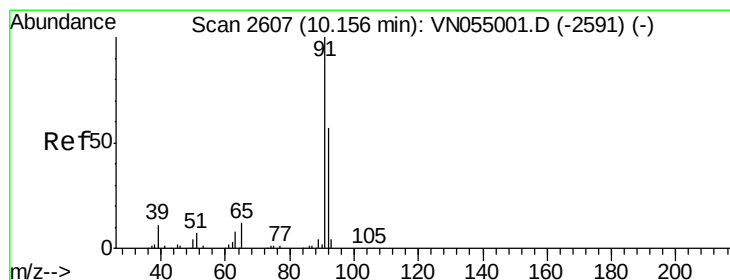
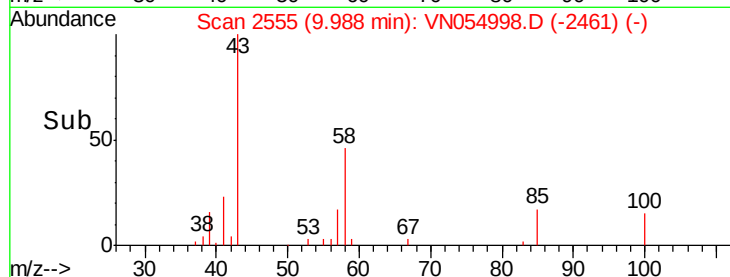
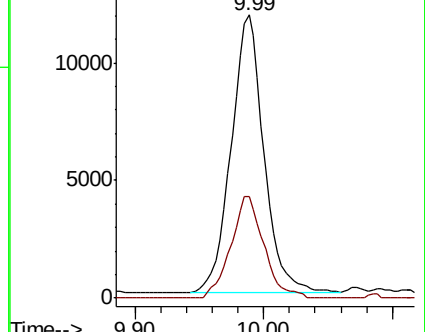
43 100

58 36.6 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2537) (-)



#52

Toluene

Concen: 0.964 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054998.D

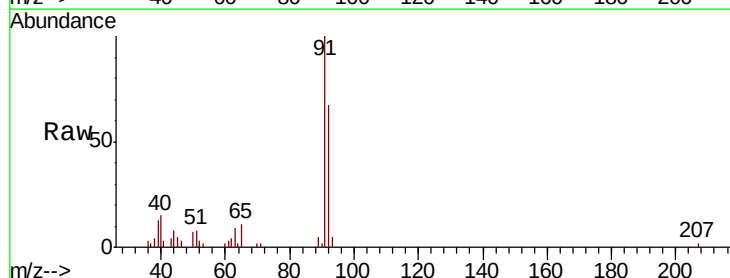
Acq: 12 Apr 2019 14:39

Tgt Ion: 92 Resp: 10585

Ion Ratio Lower Upper

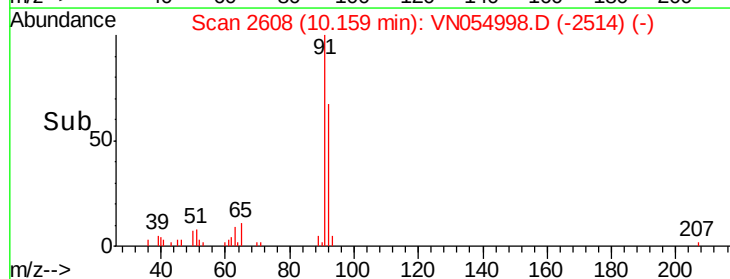
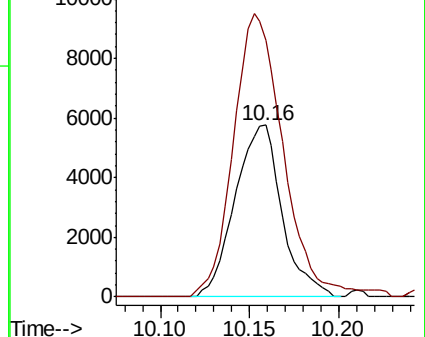
92 100

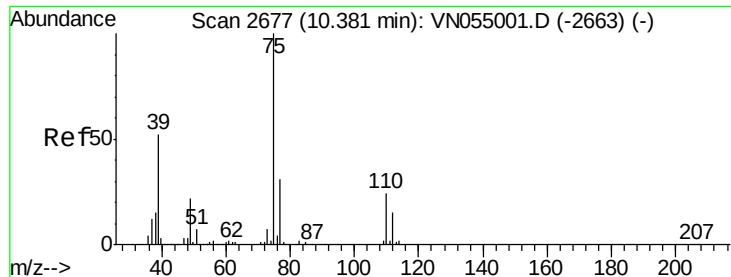
91 174.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055001.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 0.811 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

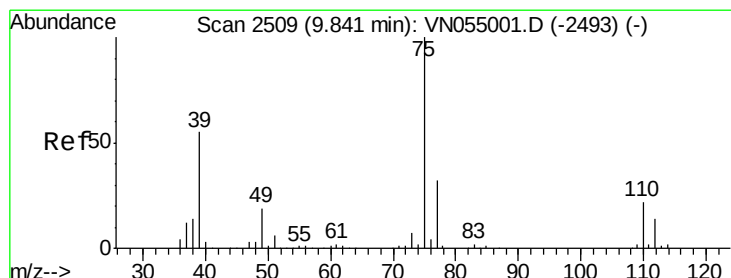
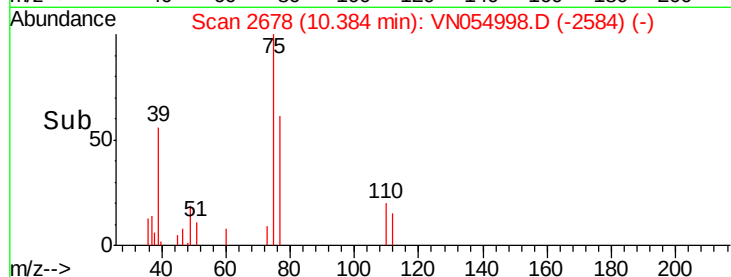
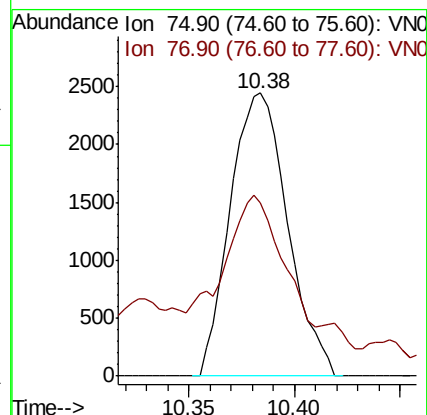
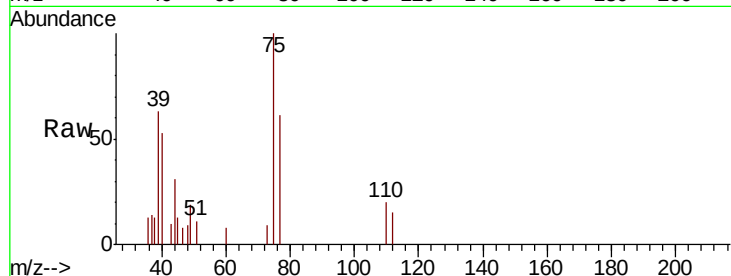
VSTDIC001

Tot Ion: 75 Resp: 4616

Ion Ratio Lower Upper

75 100

77 45.4 24.6 37.0#



#54

cis-1,3-Dichloropropene

Concen: 0.842 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

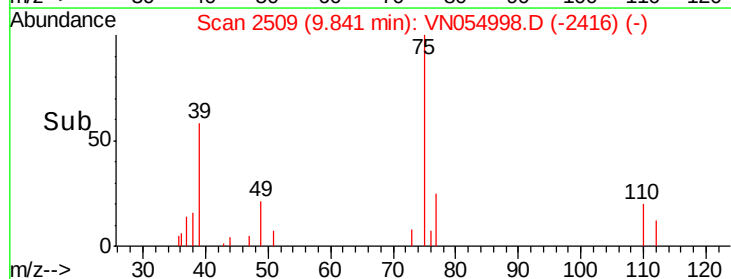
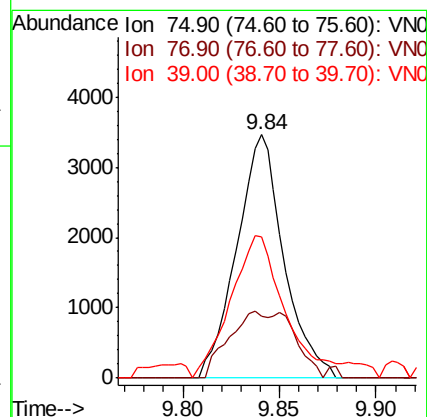
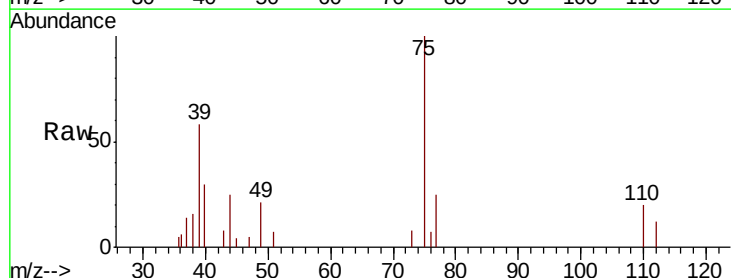
Tgt Ion: 75 Resp: 5862

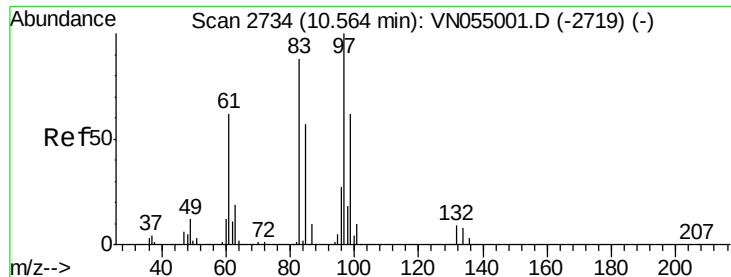
Ion Ratio Lower Upper

75 100

77 25.5 25.8 38.6#

39 57.9 43.8 65.8

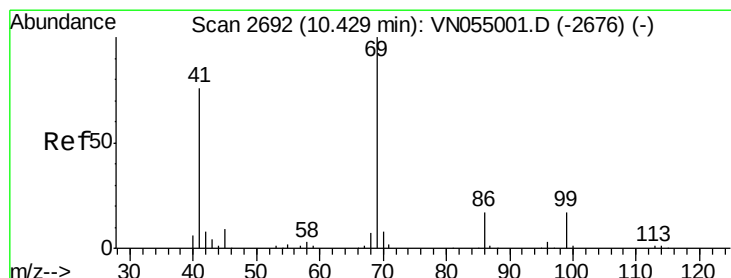
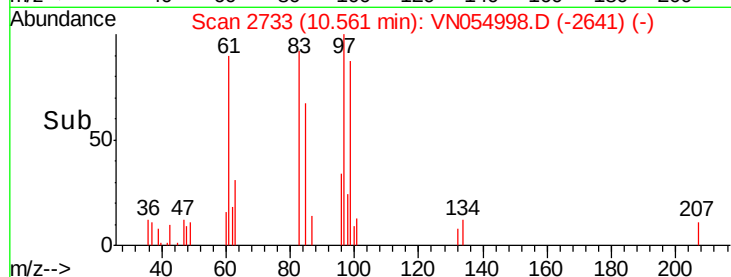
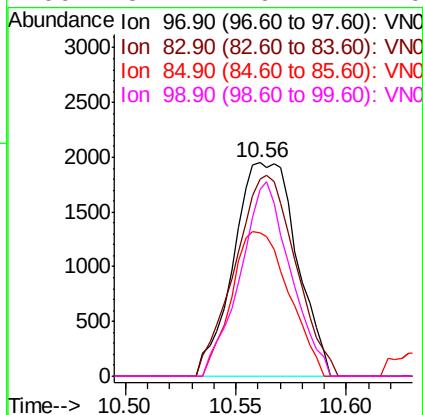
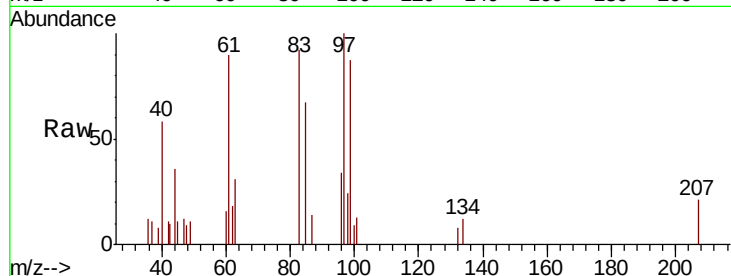




#55
 1,1,2-Trichloroethane
 Concen: 0.966 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

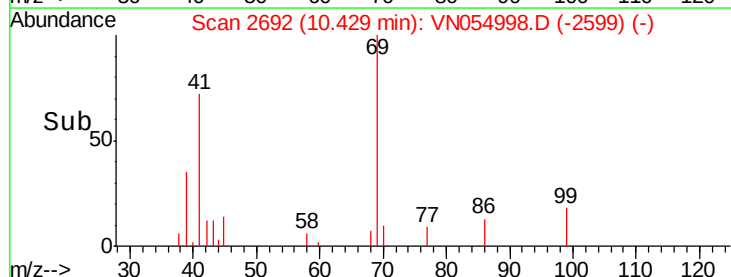
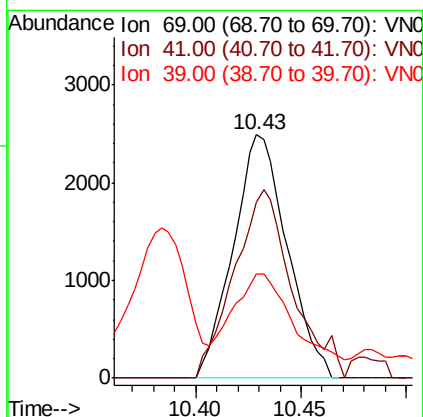
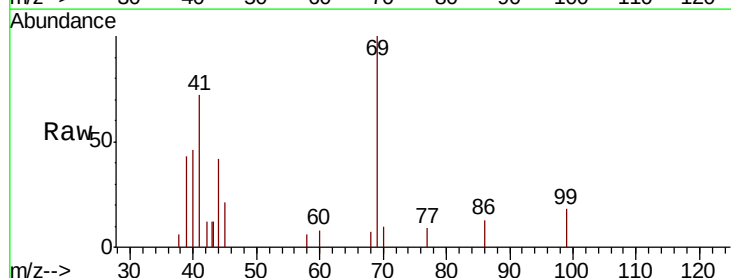
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

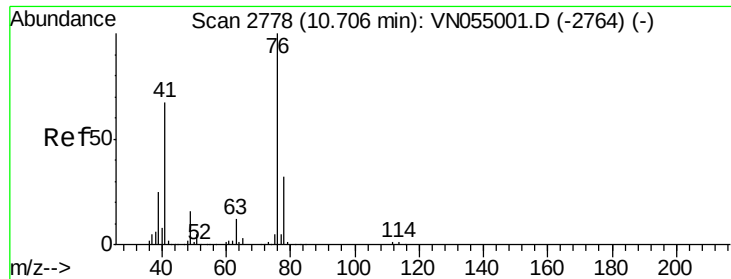
Tot Ion: 97 Resp: 3882
 Ion Ratio Lower Upper
 97 100
 83 92.2 70.5 105.7
 85 67.3 45.5 68.3
 99 87.4 49.4 74.0#



#56
 Ethyl methacrylate
 Concen: 0.843 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 69 Resp: 4416
 Ion Ratio Lower Upper
 69 100
 41 83.4 61.4 92.0
 39 38.7 30.8 46.2





#57

1,3-Dichloropropane

Concen: 0.918 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

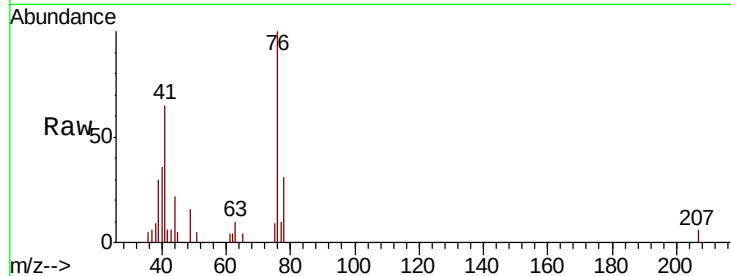
VSTDIC001

Tot Ion: 76 Resp: 6438

Ion Ratio Lower Upper

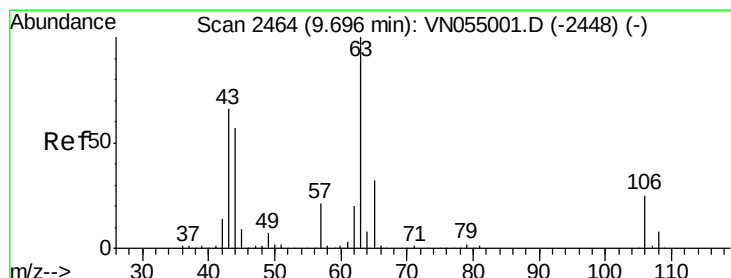
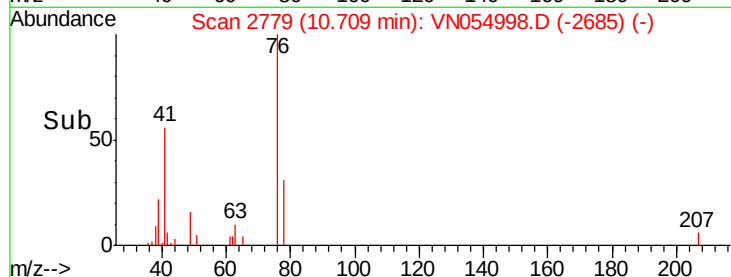
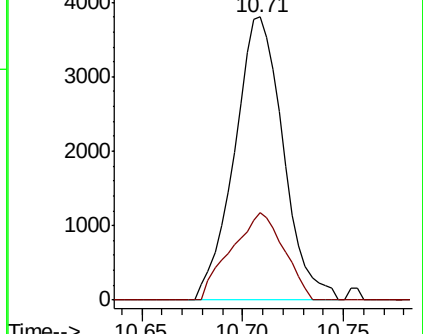
76 100

78 33.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.845 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054998.D

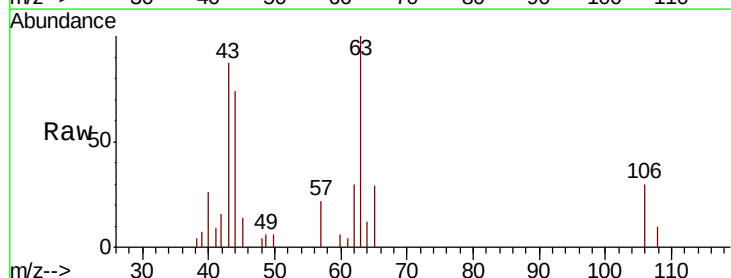
Acq: 12 Apr 2019 14:39

Tgt Ion: 63 Resp: 7912

Ion Ratio Lower Upper

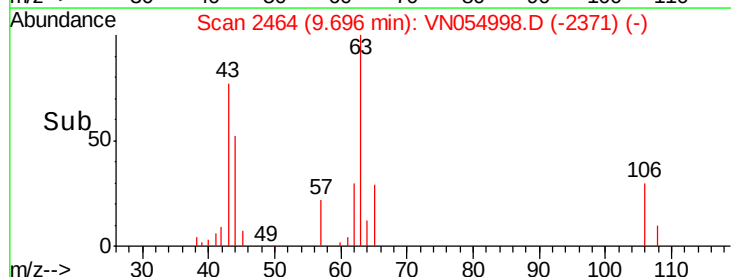
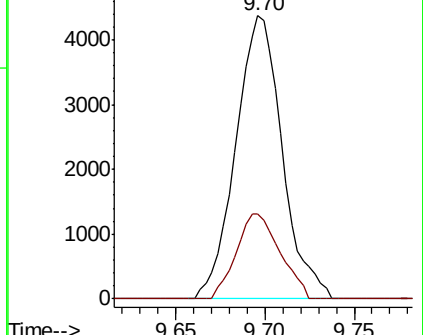
63 100

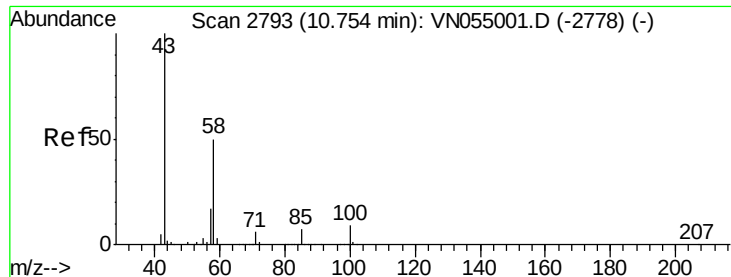
106 28.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

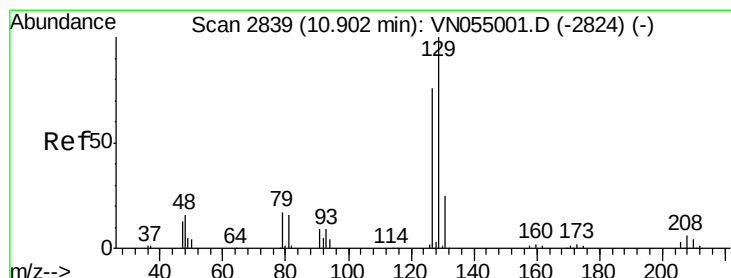
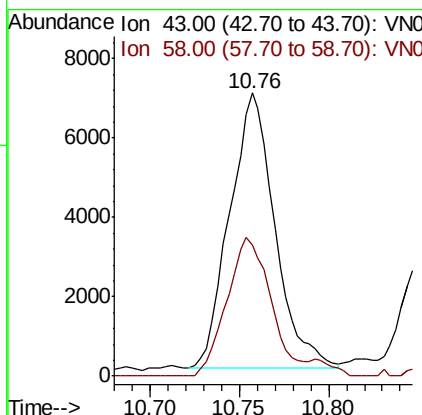
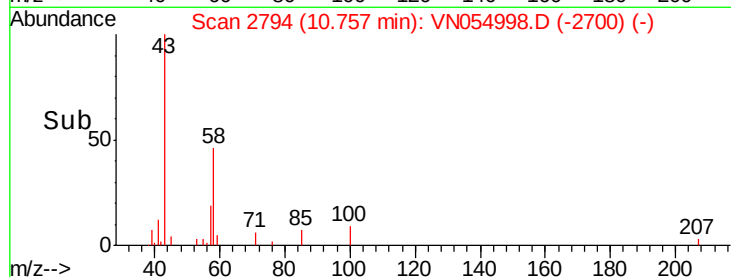
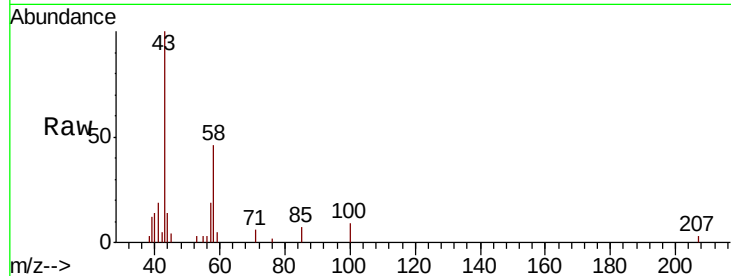




#59
2-Hexanone
Concen: 4.592 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

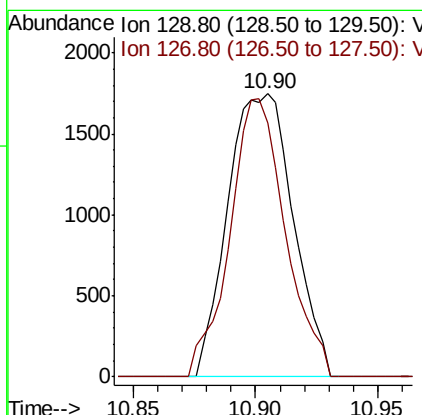
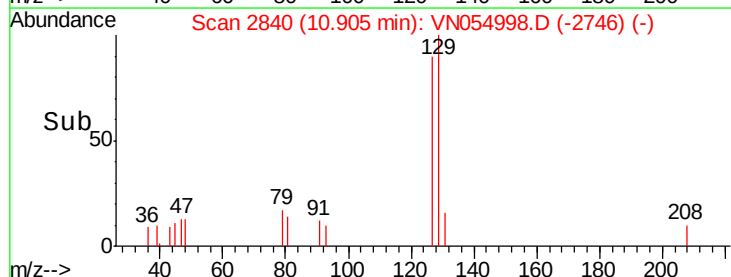
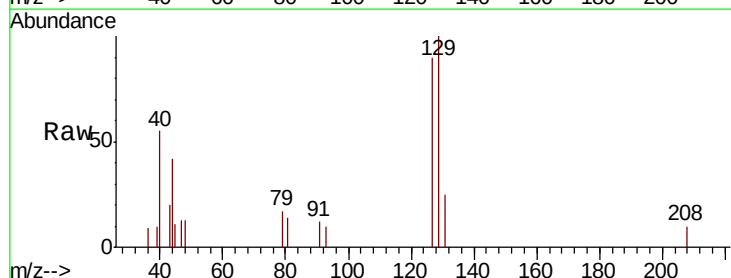
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

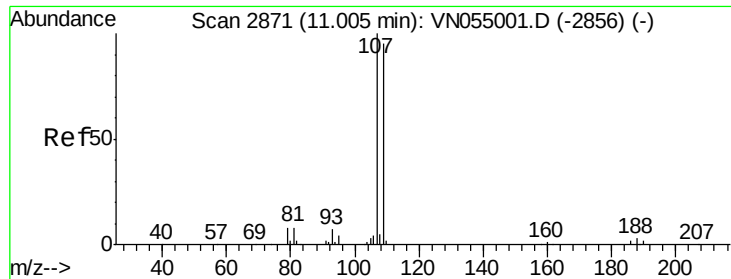
Tot Ion: 43.00 Resp: 12219
Ion Ratio Lower Upper
43 100
58 48.8 25.1 75.2



#60
Dibromochloromethane
Concen: 0.777 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 129 Resp: 3248
Ion Ratio Lower Upper
129 100
127 83.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 0.992 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

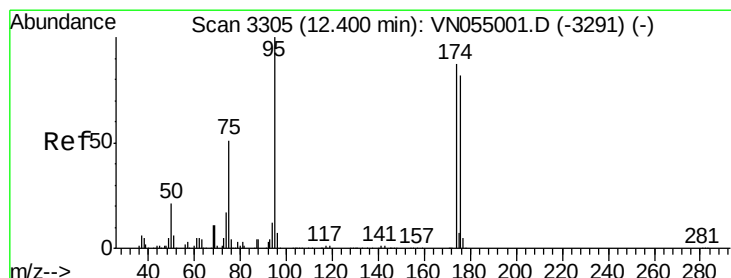
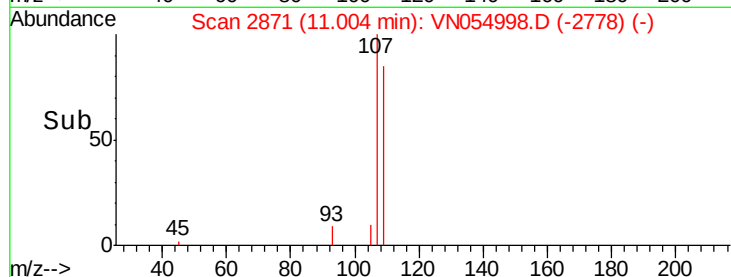
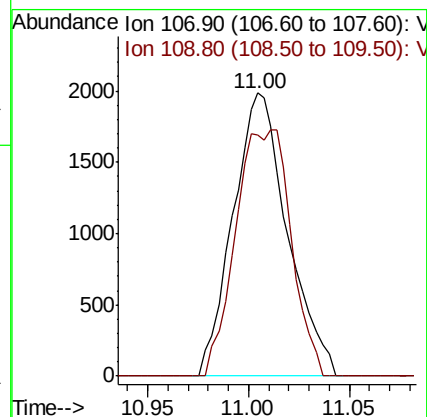
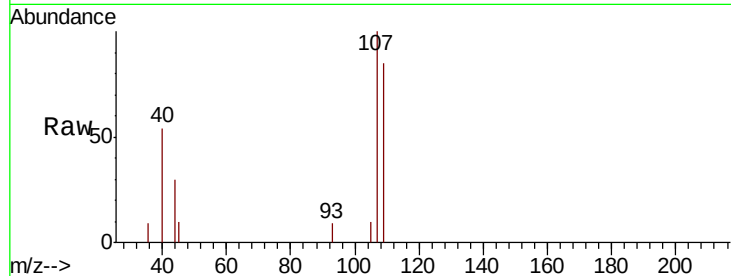
VSTDIC001

Tot Ion:107 Resp: 3738

Ion Ratio Lower Upper

107 100

109 88.7 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 1.198 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

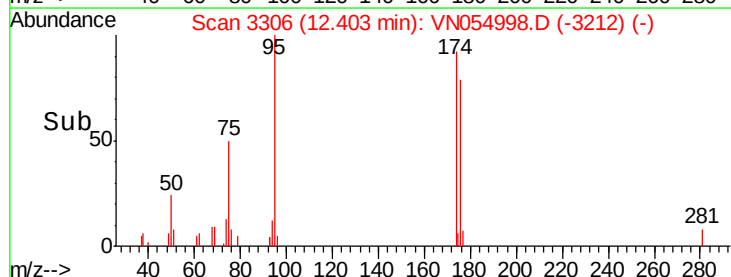
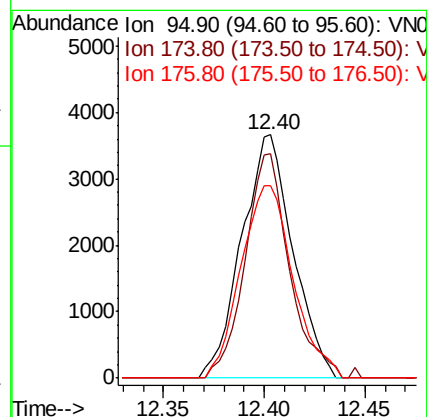
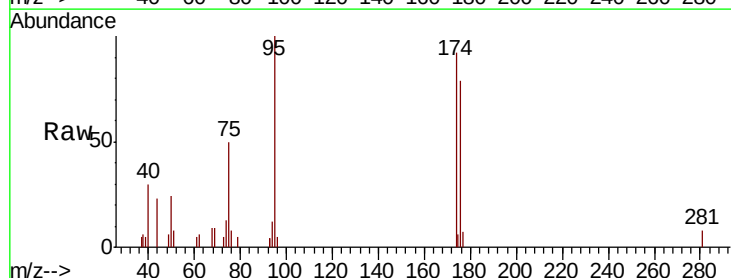
Tgt Ion: 95 Resp: 6474

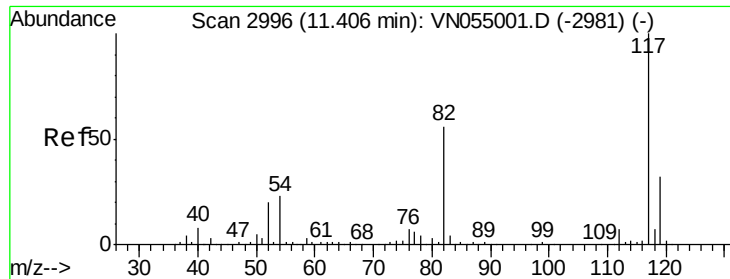
Ion Ratio Lower Upper

95 100

174 80.4 0.0 174.4

176 81.2 0.0 166.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

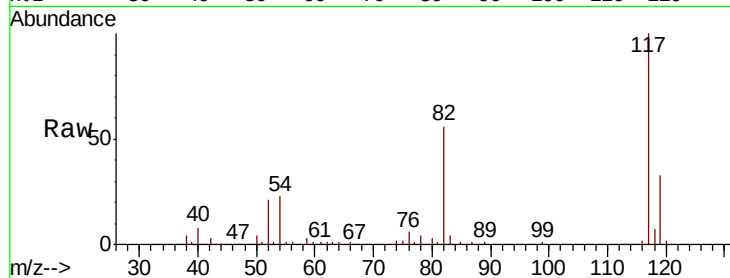
Tot Ion:117 Resp: 566622

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 32.5 25.5 38.3

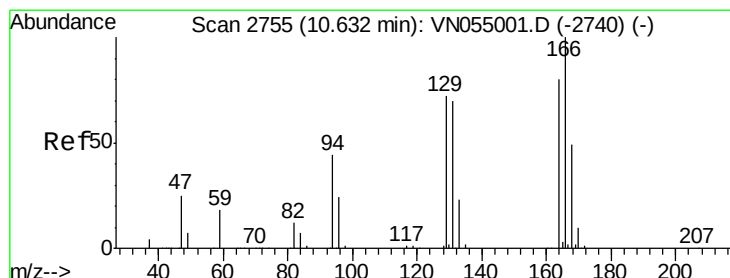
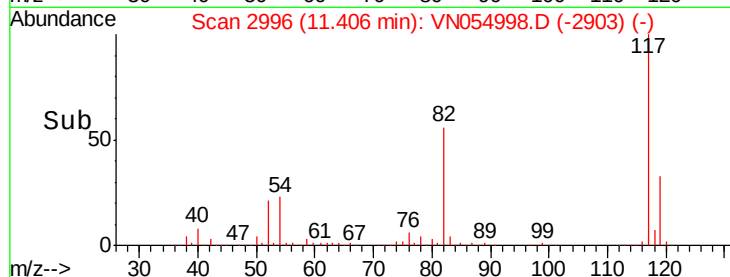
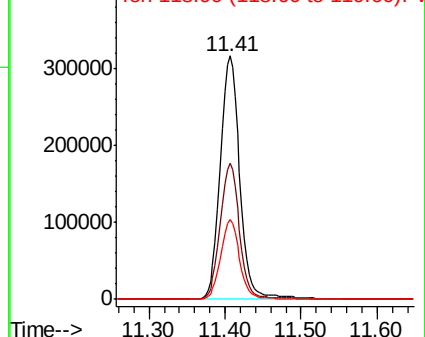


Abundance

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: 1.114 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:164 Resp: 5053

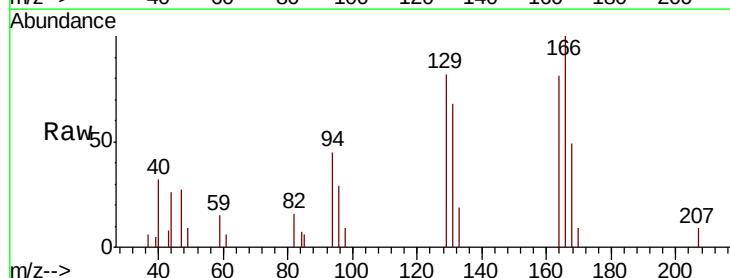
Ion Ratio Lower Upper

164 100

166 123.9 100.0 150.0

129 101.0 72.0 108.0

131 84.9 69.7 104.5



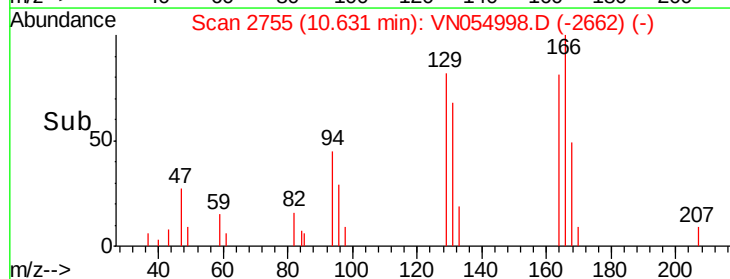
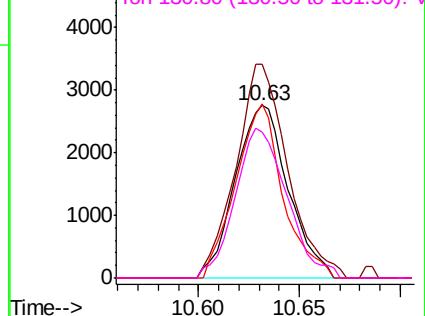
Abundance

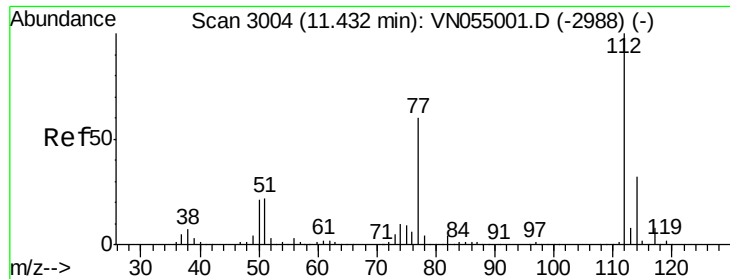
Ion 163.80 (163.50 to 164.50): V

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

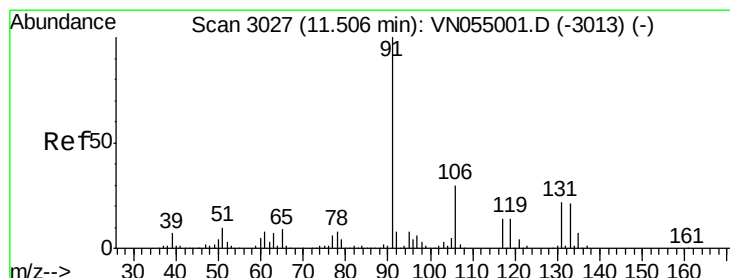
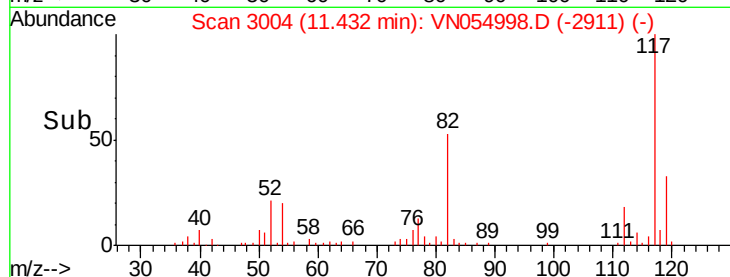
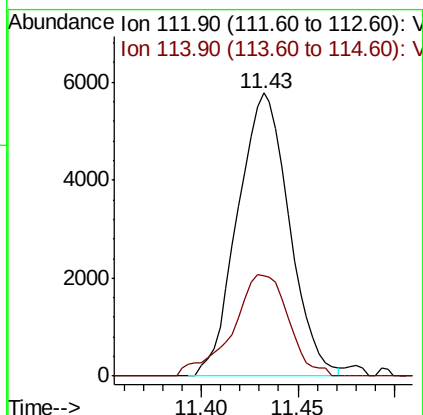
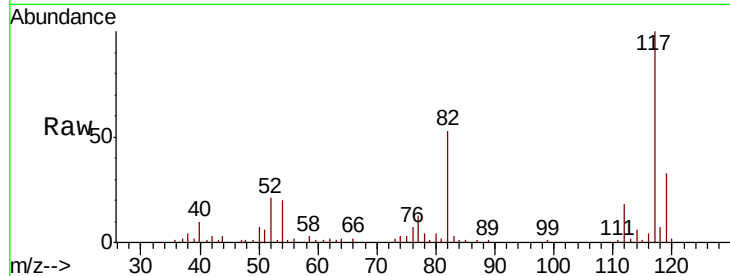




#65
Chlorobenzene
Concen: 0.942 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

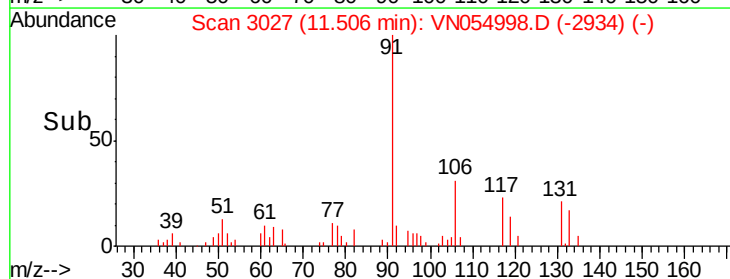
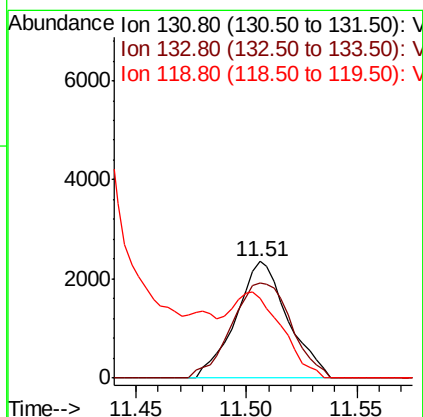
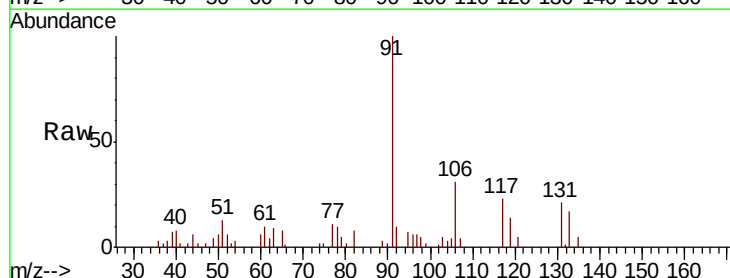
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

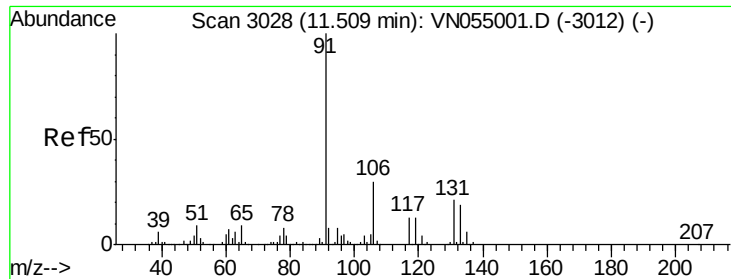
Tot Ion:112 Resp: 10744
Ion Ratio Lower Upper
112 100
114 35.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 0.924 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion:131 Resp: 3861
Ion Ratio Lower Upper
131 100
133 92.9 47.8 143.3
119 0.0 33.6 100.6#

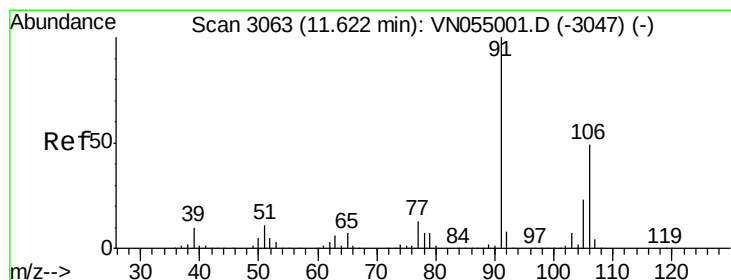
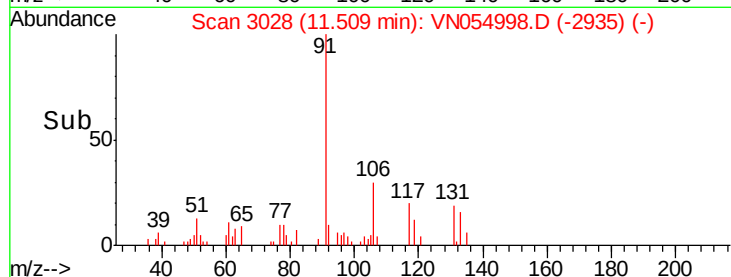
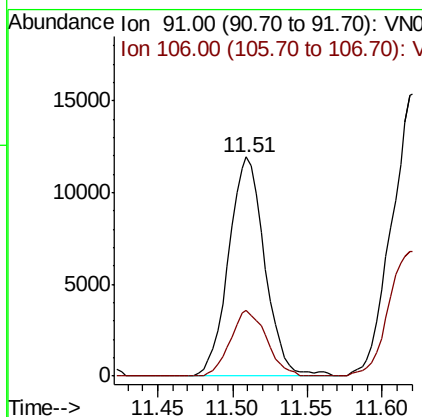
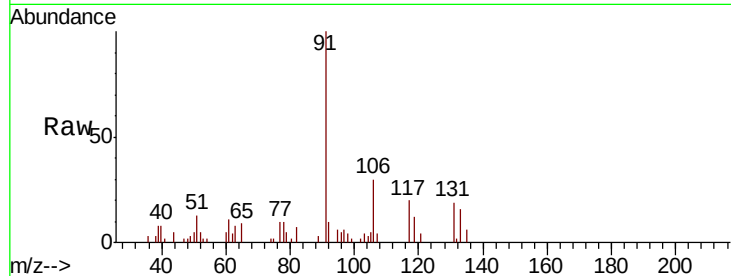




#67
Ethyl Benzene
Concen: 0.976 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

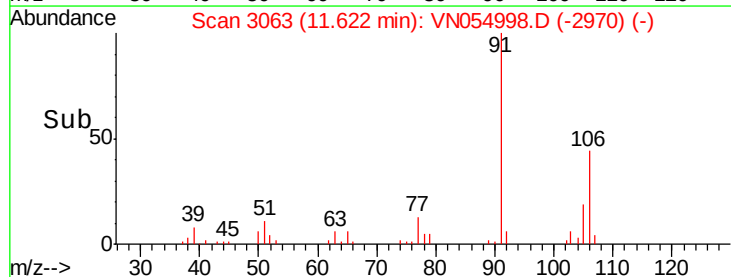
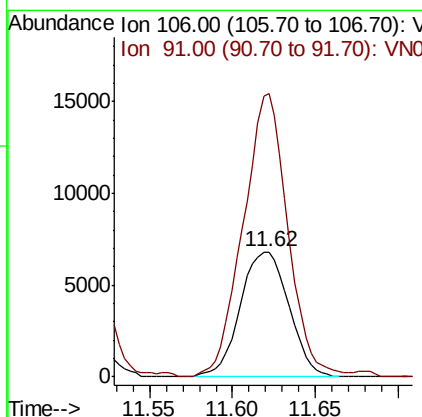
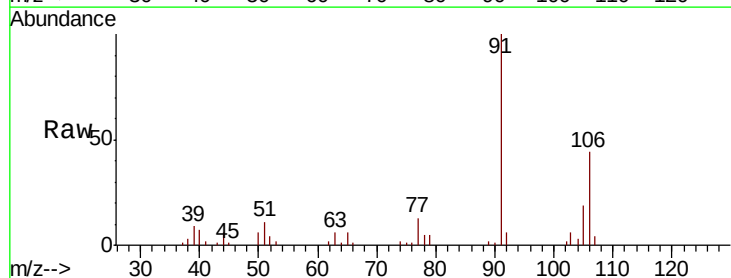
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

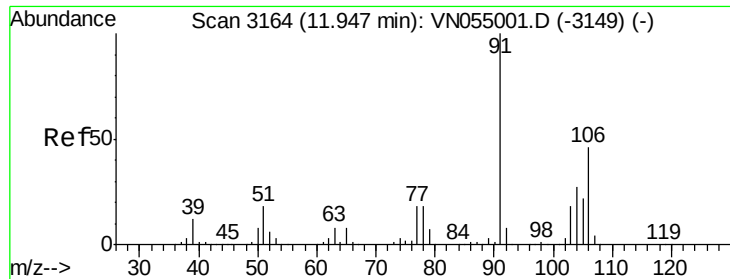
Tot Ion: 91 Resp: 20071
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 1.852 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 106 Resp: 13935
Ion Ratio Lower Upper
106 100
91 208.2 165.9 248.9

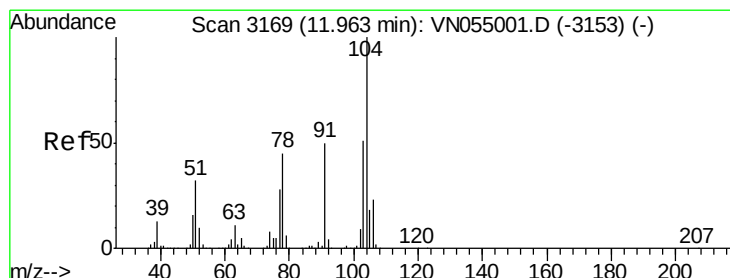
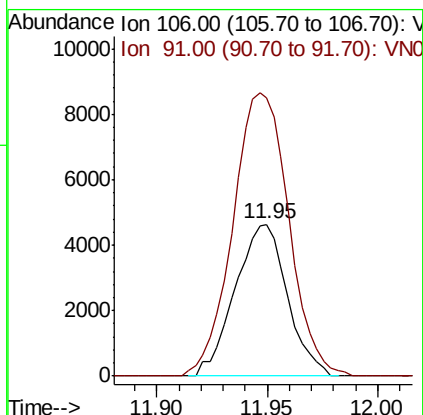
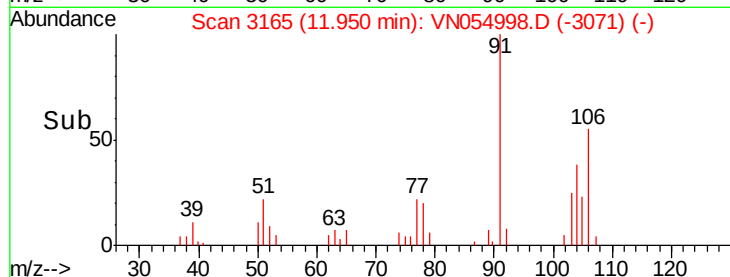
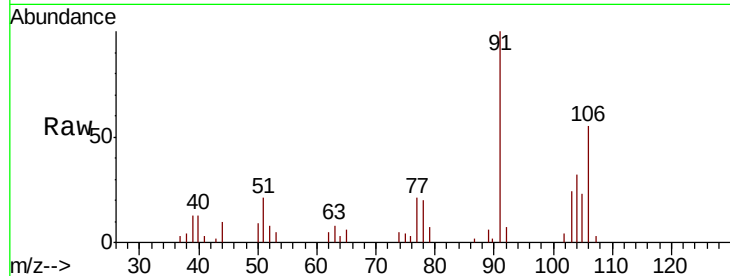




#69
o-Xylene
Concen: 1.043 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

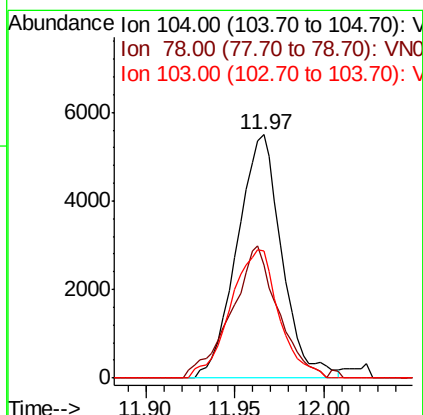
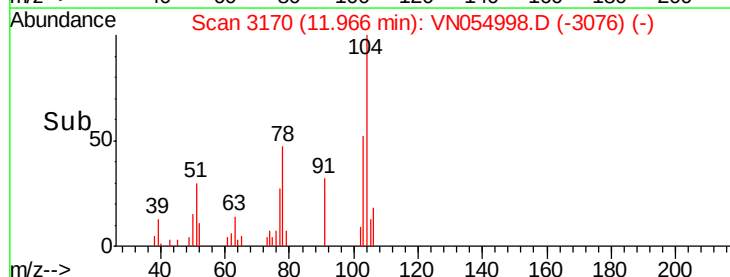
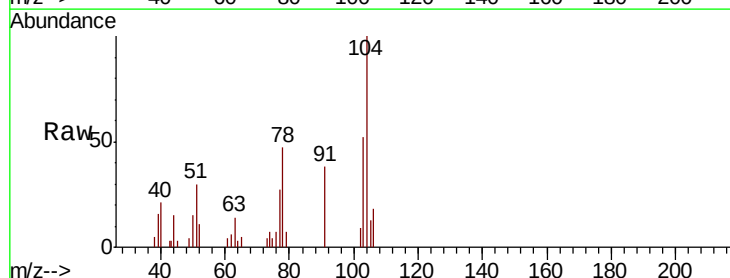
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

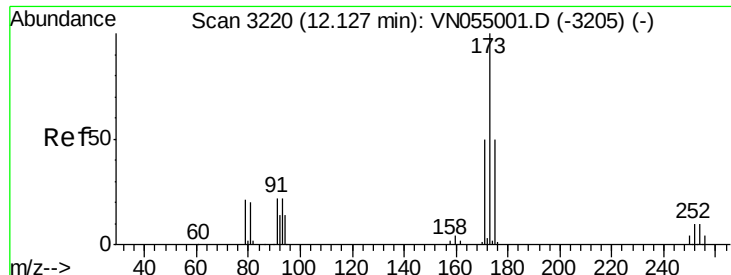
Tot Ion:106 Resp: 7639
Ion Ratio Lower Upper
106 100
91 199.6 109.9 329.8



#70
Styrene
Concen: 0.820 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion:104 Resp: 9648
Ion Ratio Lower Upper
104 100
78 56.7 40.3 60.5
103 57.0 44.3 66.5





#71

Bromoform

Concen: 0.733 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

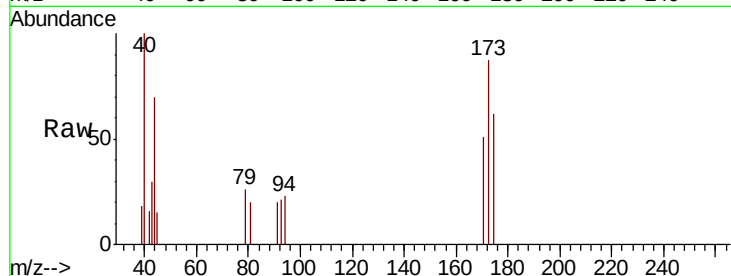
Tot Ion:173 Resp: 1854

Ion Ratio Lower Upper

173 100

175 56.6 24.3 73.0

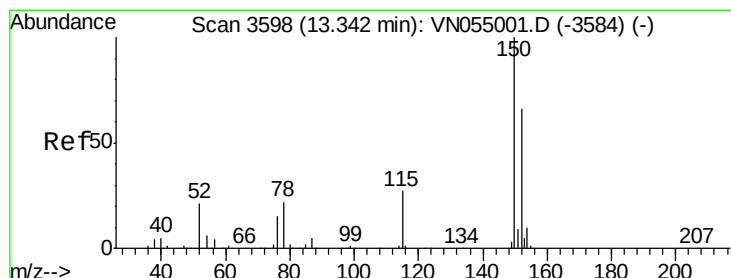
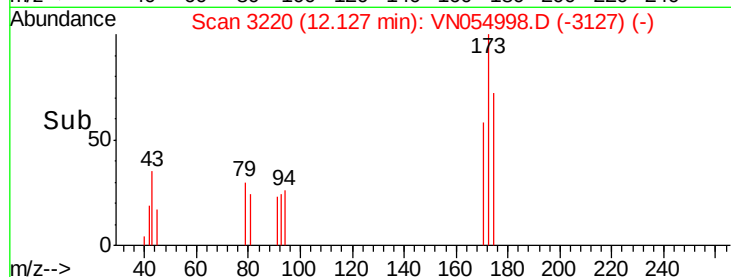
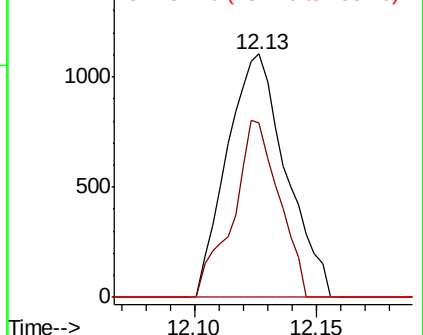
254 0.0 0.1 0.1#



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: VN054998.D

Acq: 12 Apr 2019 14:39

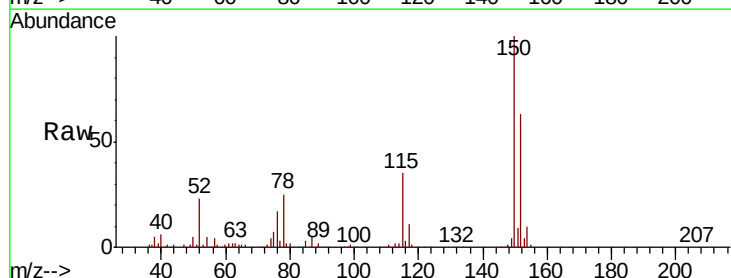
Tgt Ion:152 Resp: 167002

Ion Ratio Lower Upper

152 100

115 56.0 28.5 85.6

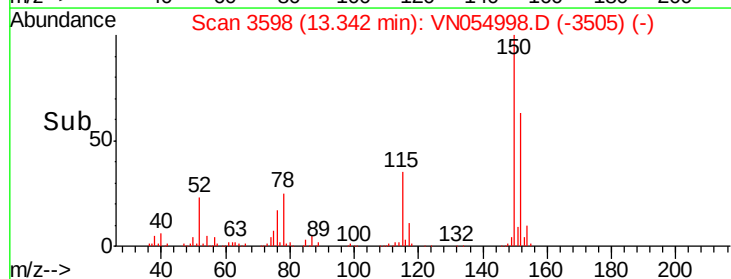
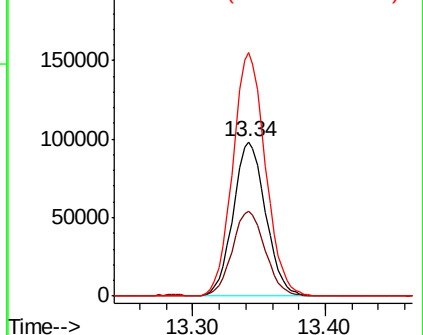
150 158.2 0.0 347.2

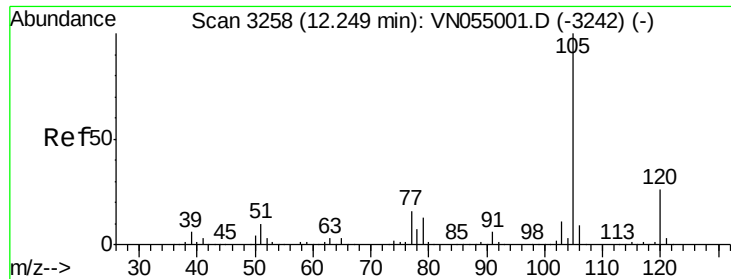


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.290 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

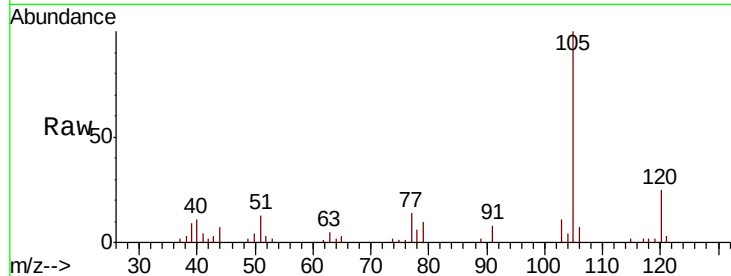
VSTDIC001

Tot Ion:105 Resp: 18076

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

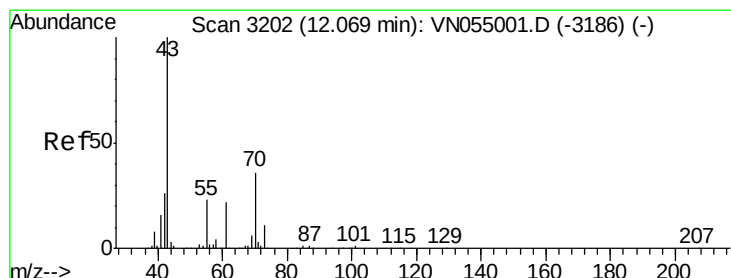
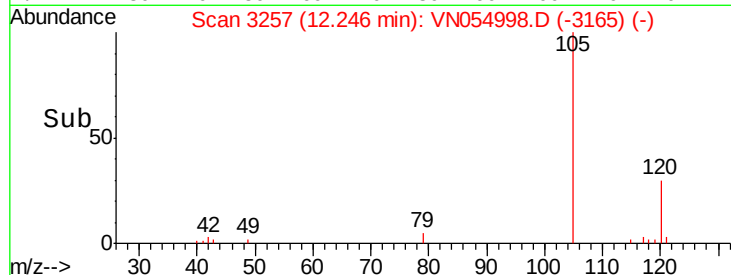
4000

2000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 1.220 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion: 43 Resp: 4786

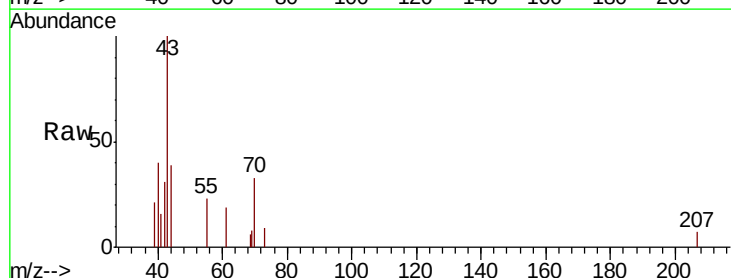
Ion Ratio Lower Upper

43 100

70 29.7 29.4 44.0

55 23.3 19.0 28.4

61 14.2 17.7 26.5#



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

4000

3000

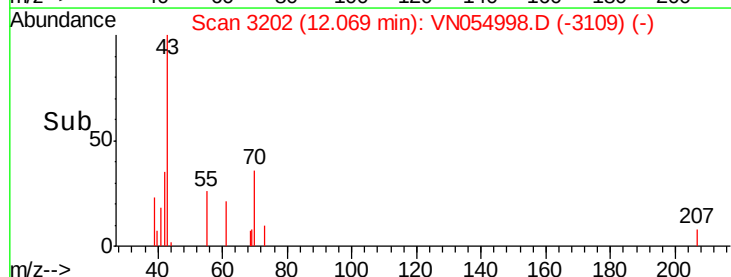
2000

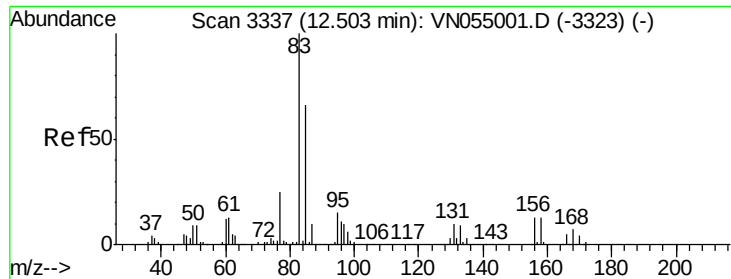
1000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.337 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

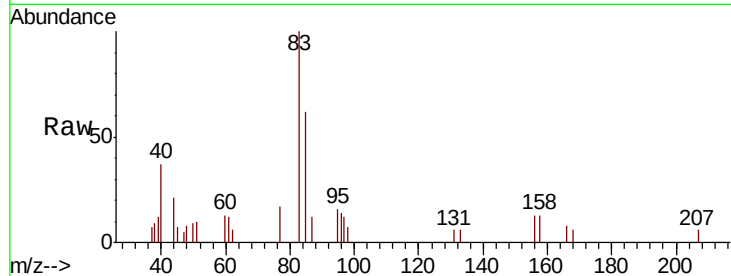
Tot Ion: 83 Resp: 4669

Ion Ratio Lower Upper

83 100

131 3.2 5.0 15.0#

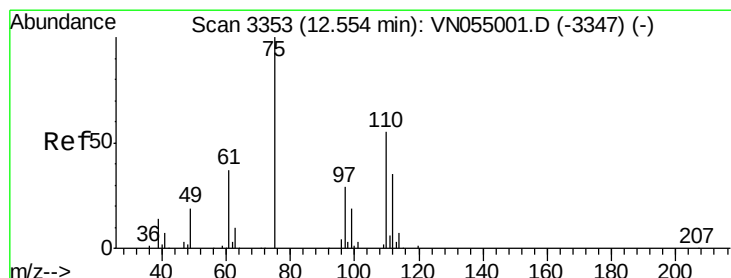
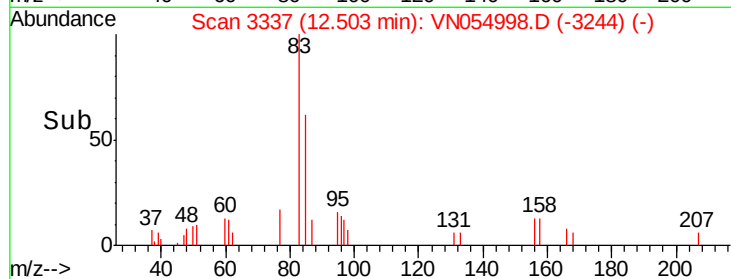
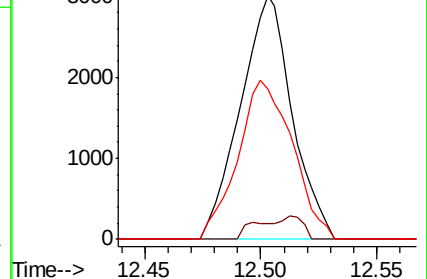
85 68.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.789 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.01 min

Lab File: VN054998.D

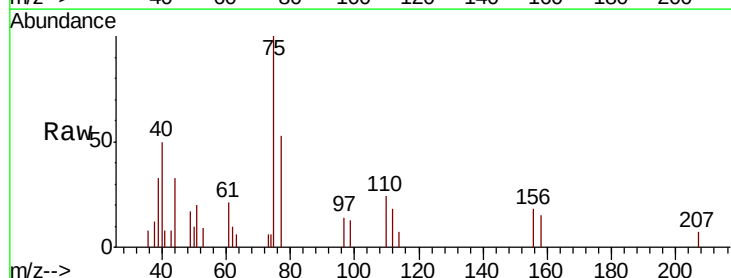
Acq: 12 Apr 2019 14:39

Tgt Ion: 75 Resp: 5397

Ion Ratio Lower Upper

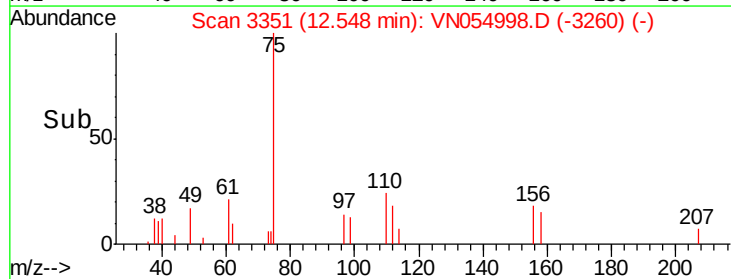
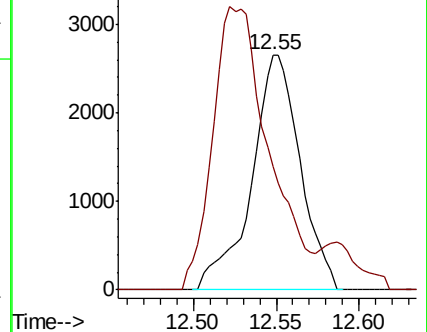
75 100

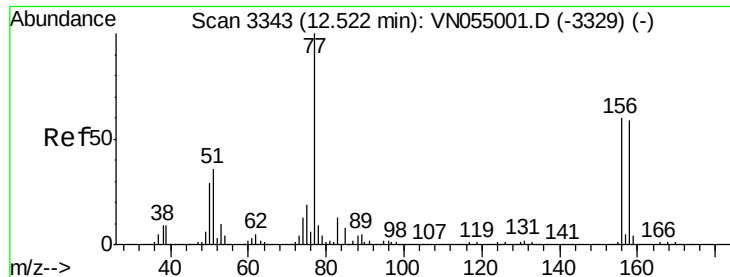
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.331 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

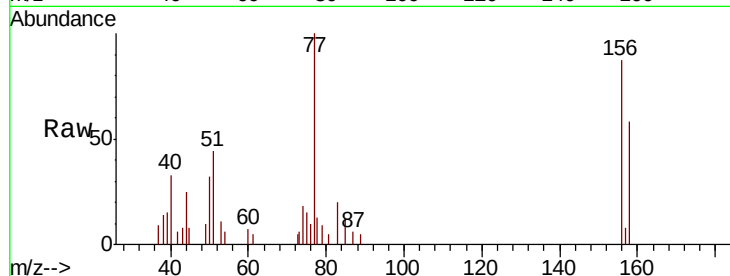
Tot Ion:156 Resp: 4522

Ion Ratio Lower Upper

156 100

77 167.0 97.2 291.5

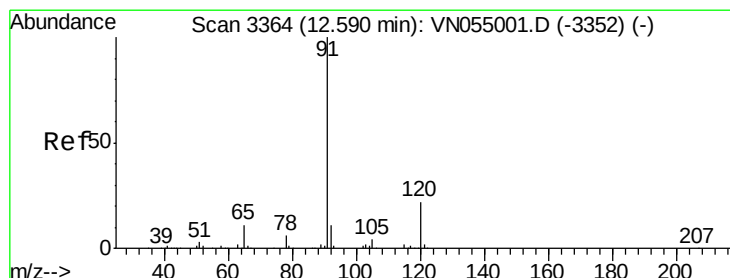
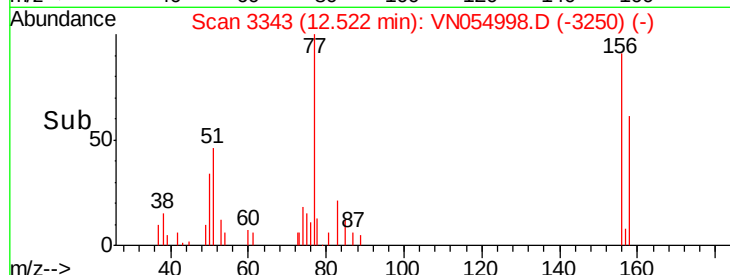
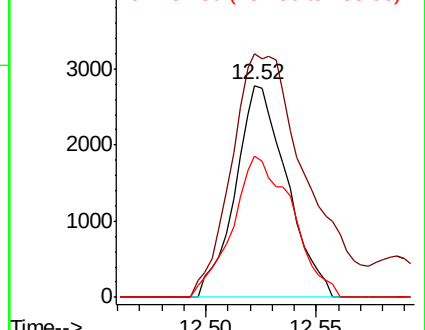
158 77.4 48.6 145.9



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: 1.172 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054998.D

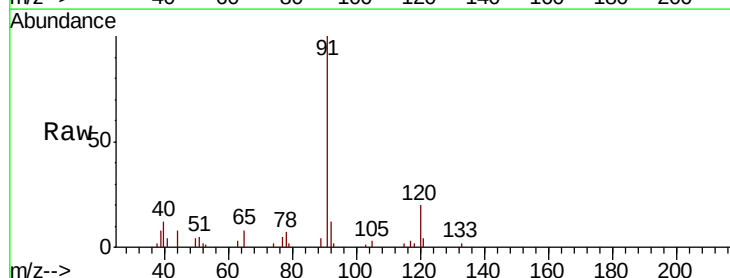
Acq: 12 Apr 2019 14:39

Tgt Ion: 91 Resp: 18096

Ion Ratio Lower Upper

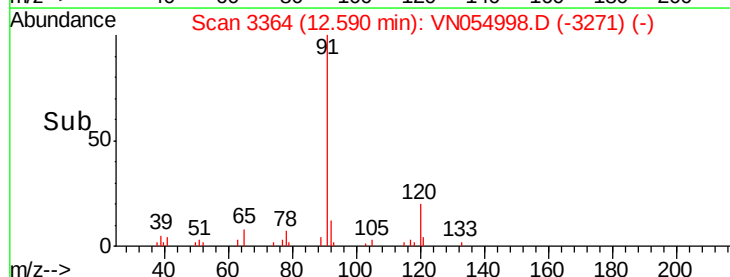
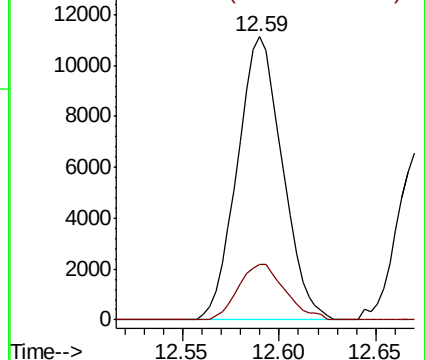
91 100

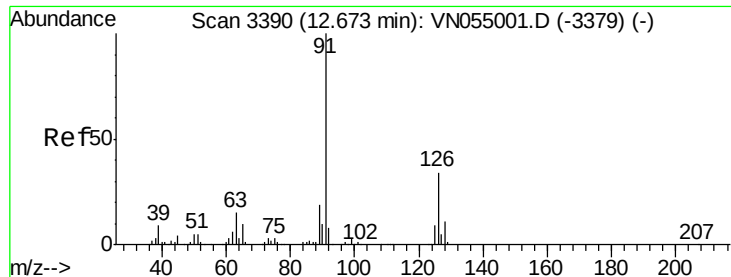
120 20.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

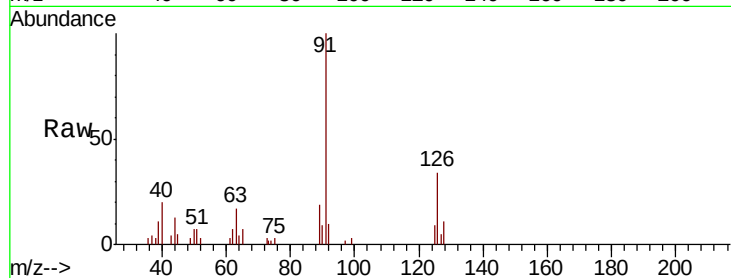
VSTDIC001

Tot Ion: 91 Resp: 12005

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055001.D (-3379) (-)

12.67

8000

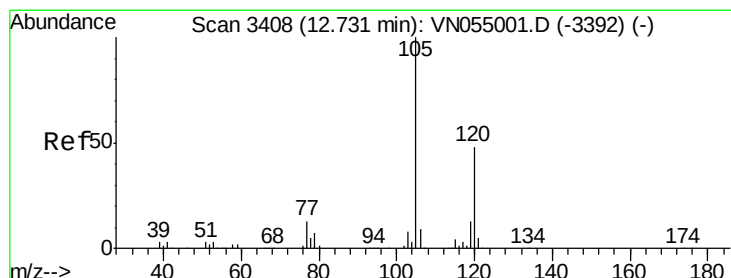
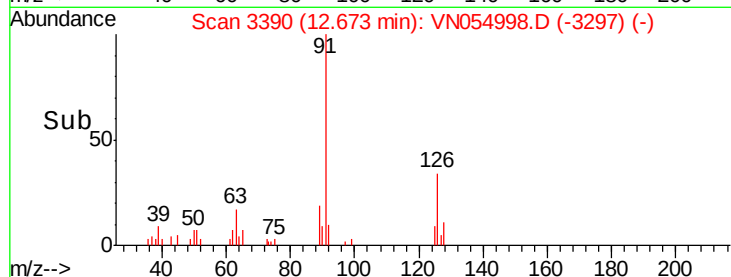
6000

4000

2000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 1.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054998.D

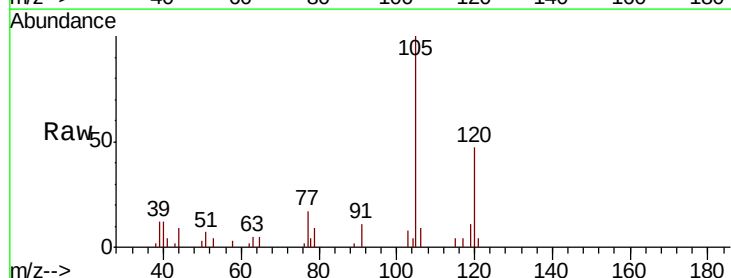
Acq: 12 Apr 2019 14:39

Tgt Ion: 105 Resp: 13708

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055001.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN055001.D (-3392) (-)

12.73

10000

8000

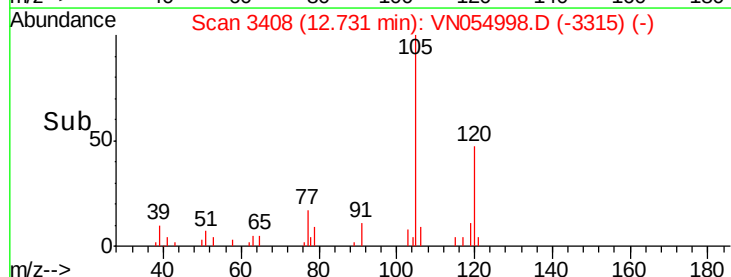
6000

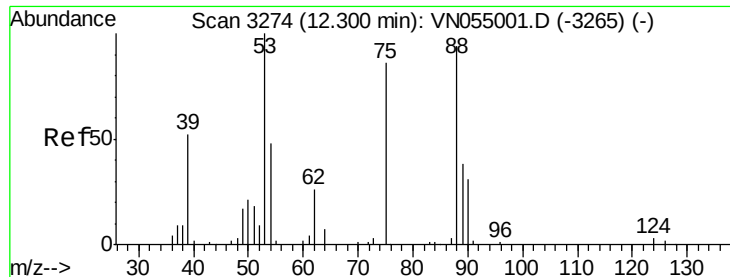
4000

2000

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 1.044 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

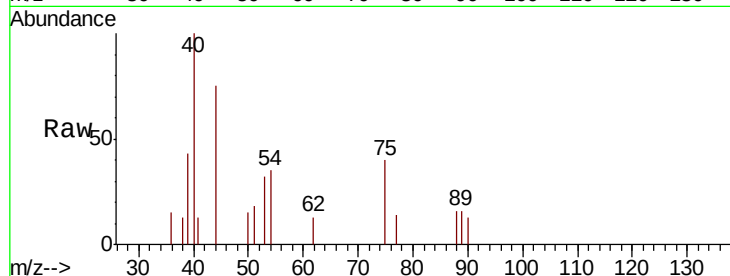
Tot Ion: 75 Resp: 751

Ion Ratio Lower Upper

75 100

53 133.0 96.3 144.5

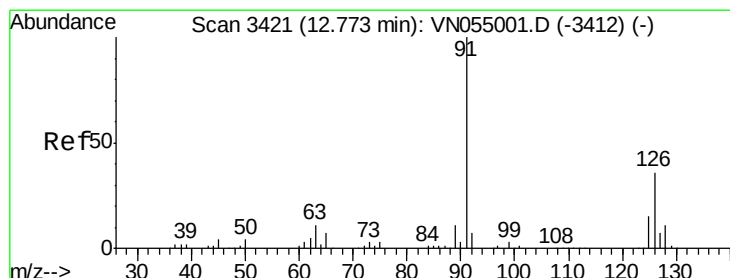
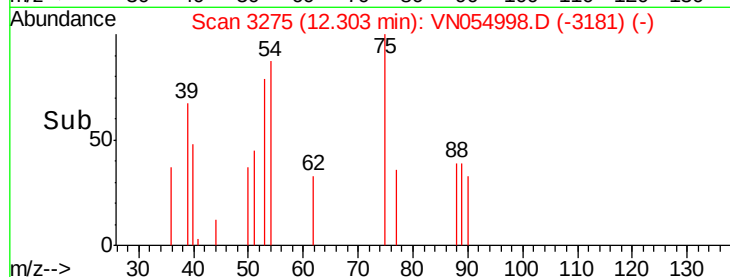
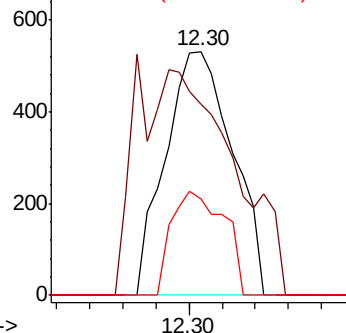
89 33.3 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.212 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054998.D

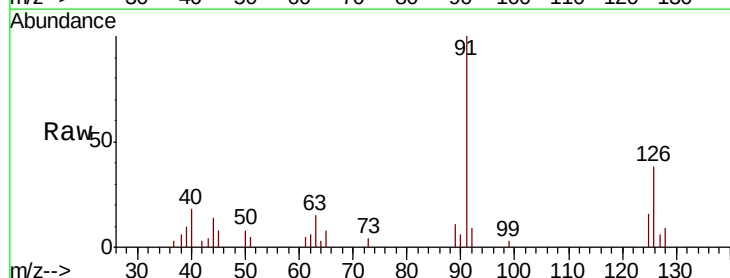
Acq: 12 Apr 2019 14:39

Tgt Ion: 91 Resp: 10974

Ion Ratio Lower Upper

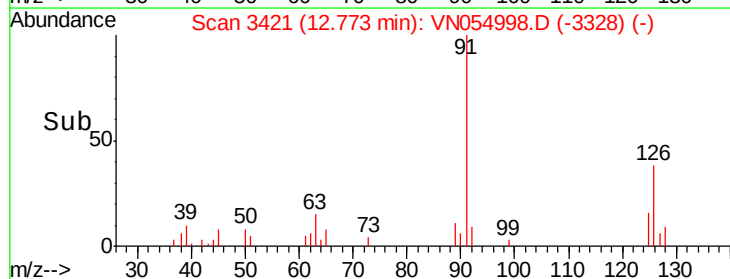
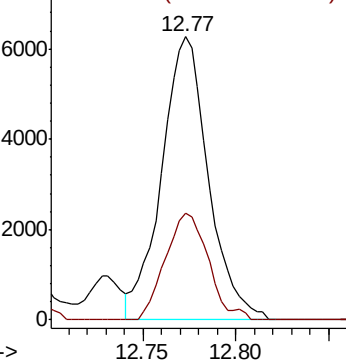
91 100

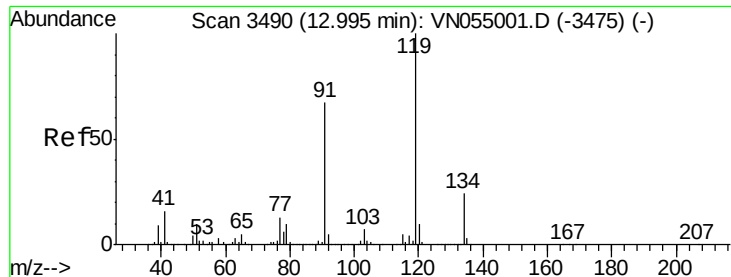
126 34.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

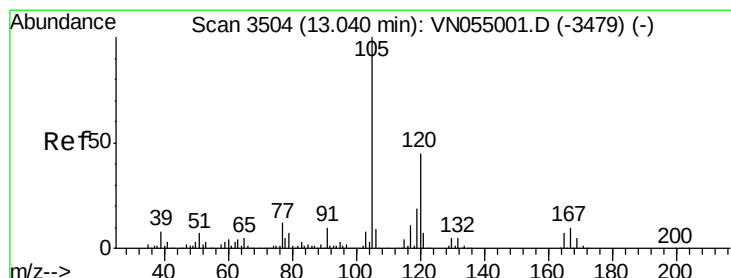
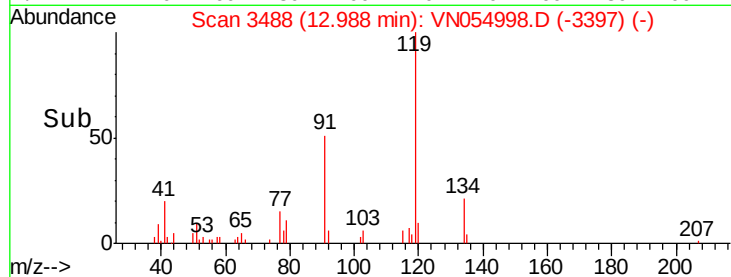
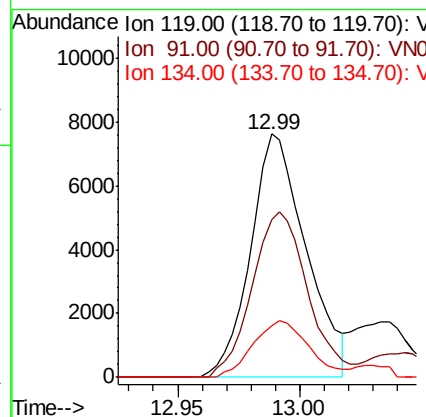
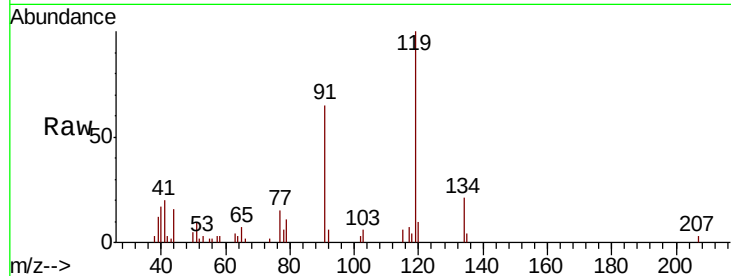




#83
 tert-Butylbenzene
 Concen: 1.224 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.01 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

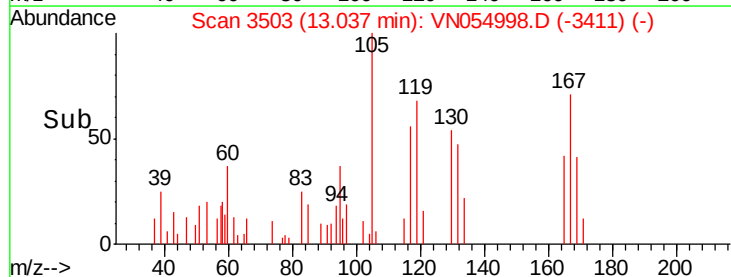
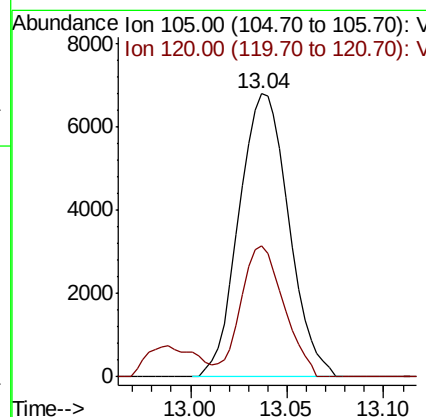
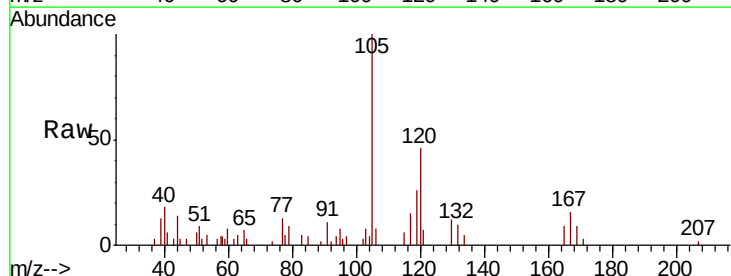
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

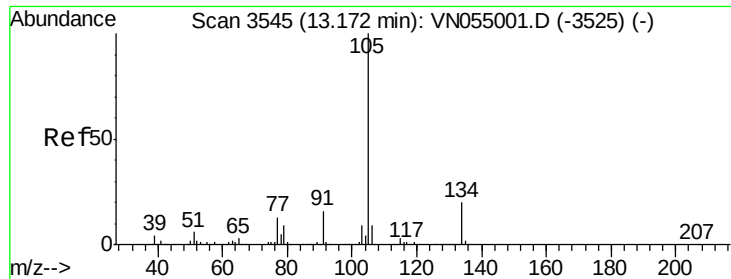
Tot Ion:119 Resp: 12009
 Ion Ratio Lower Upper
 119 100
 91 68.7 33.3 99.8
 134 23.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 1.094 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion:105 Resp: 12164
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 1.141 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

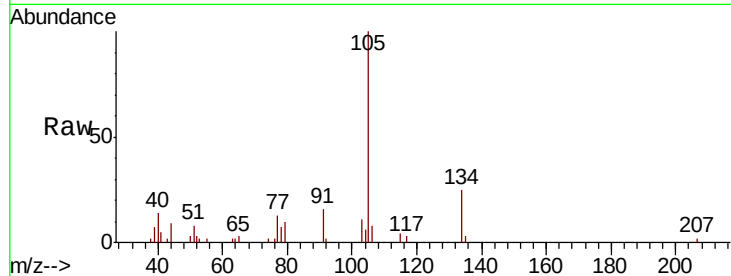
VSTDIC001

Tot Ion:105 Resp: 14471

Ion Ratio Lower Upper

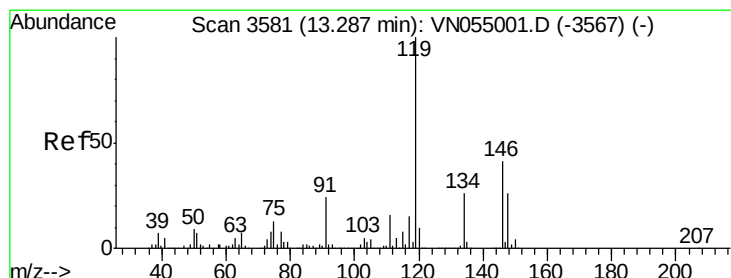
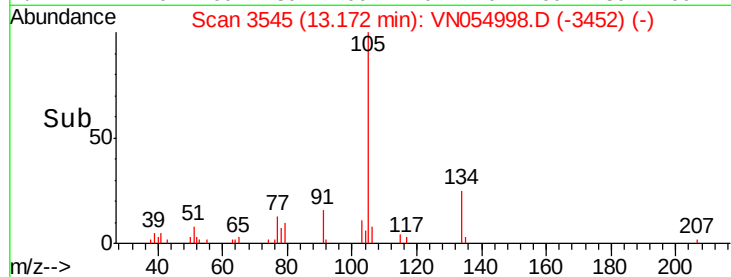
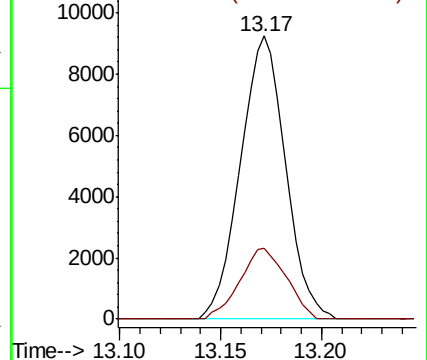
105 100

134 25.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.126 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

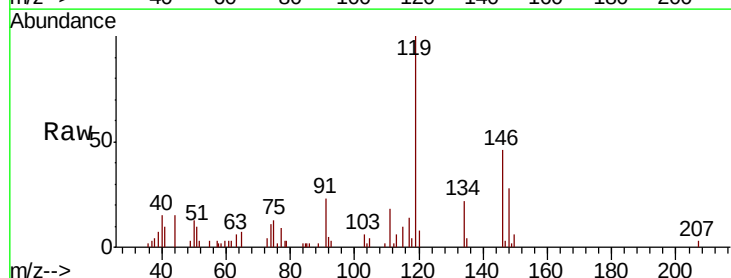
Tgt Ion:119 Resp: 12297

Ion Ratio Lower Upper

119 100

134 23.1 13.2 39.5

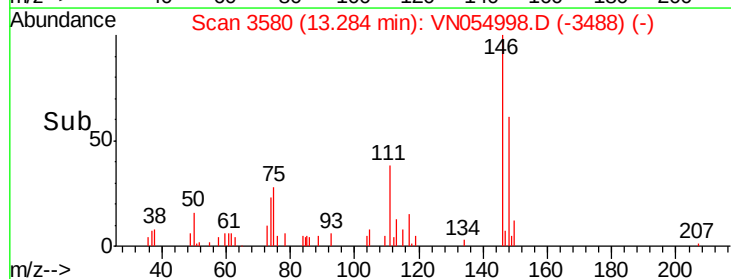
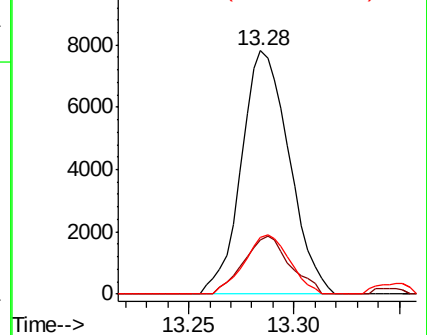
91 23.0 11.7 35.1

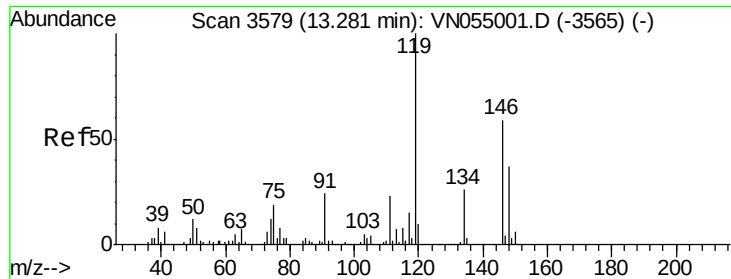


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

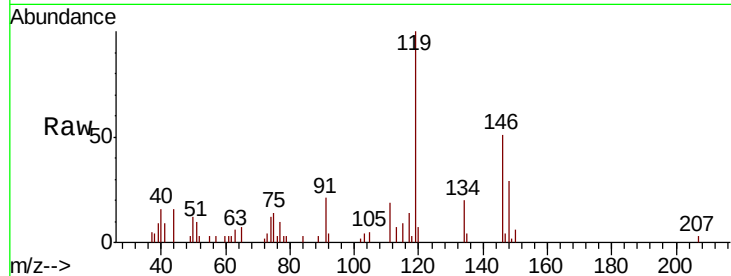




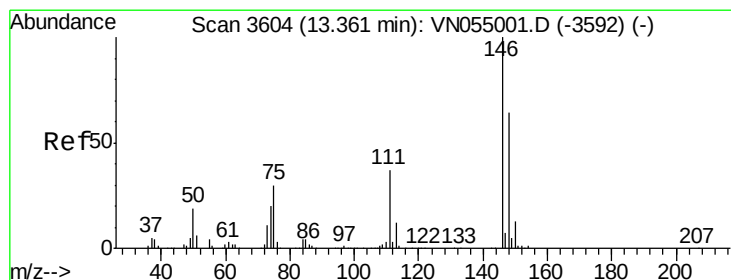
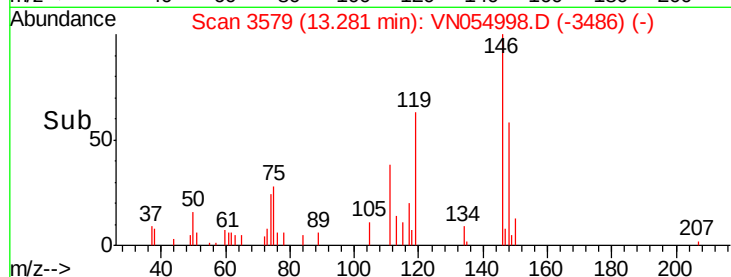
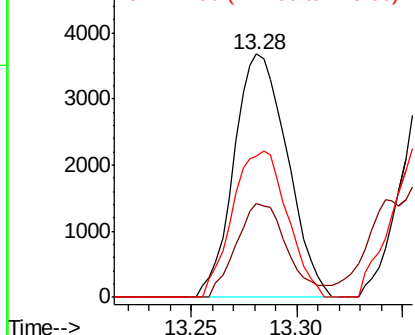
#87
 1,3-Dichlorobenzene
 Concen: 1.149 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 6474
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.5 58.5
 148 61.7 31.6 94.7

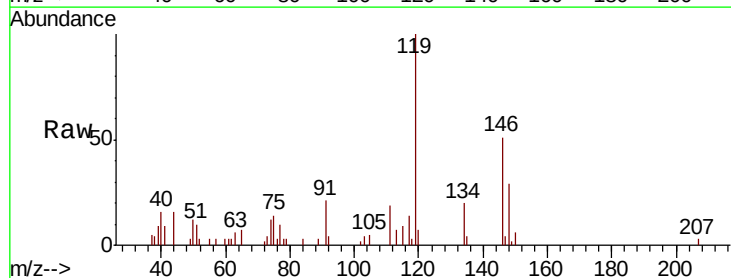


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

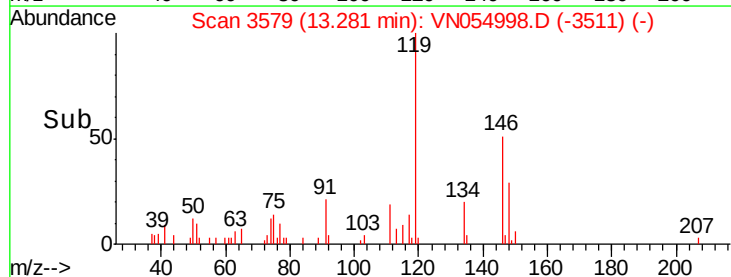
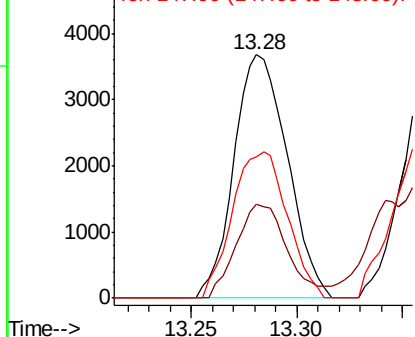


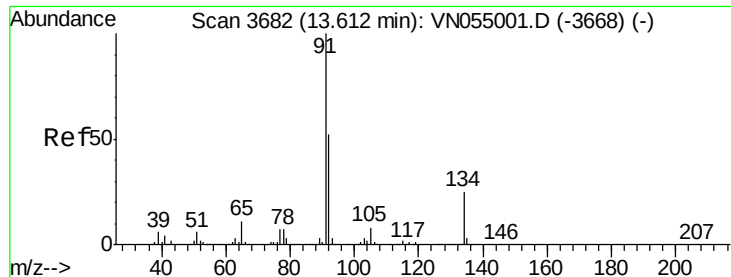
#88
 1,4-Dichlorobenzene
 Concen: 1.206 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion:146 Resp: 6474
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 61.7 32.4 97.2



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





#89

n-Butylbenzene

Concen: 1.076 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

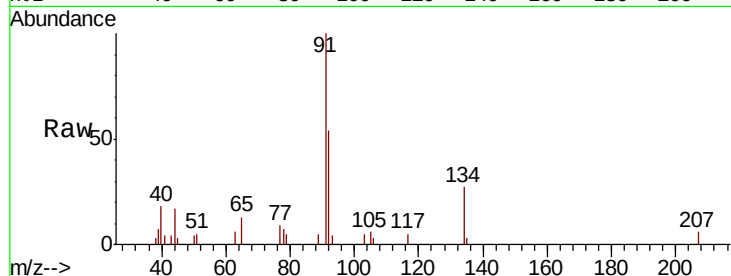
Tot Ion: 91 Resp: 9325

Ion Ratio Lower Upper

91 100

92 54.5 25.9 77.7

134 24.8 12.8 38.3

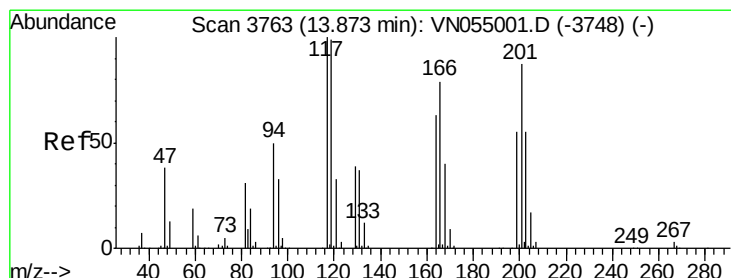
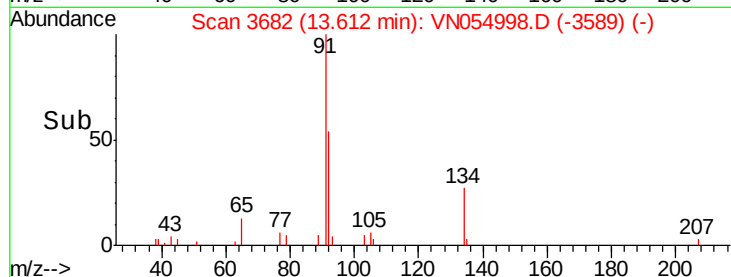


Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 1.195 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN054998.D

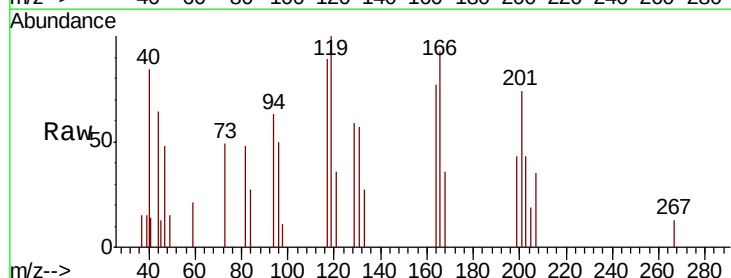
Acq: 12 Apr 2019 14:39

Tgt Ion: 117 Resp: 2171

Ion Ratio Lower Upper

117 100

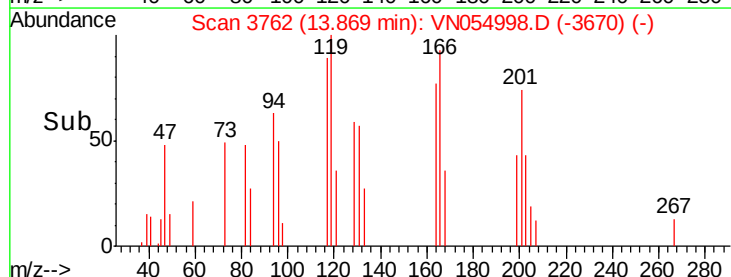
201 79.4 43.4 130.2

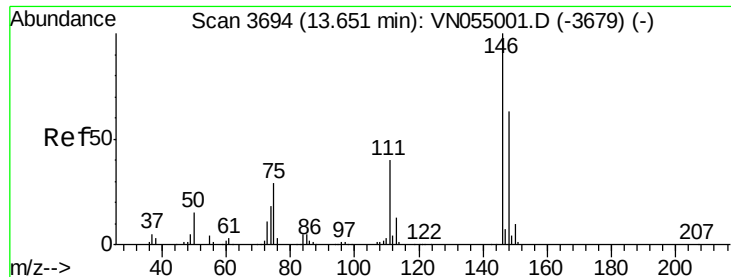


Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)

Time--> 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 1.087 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

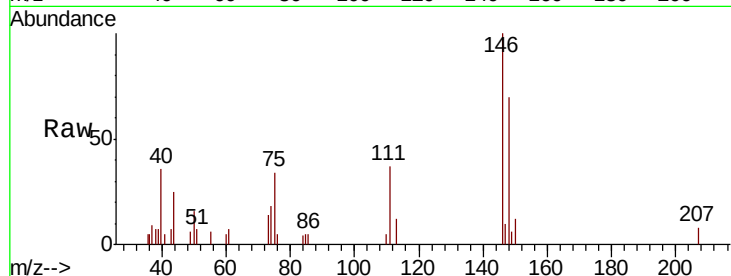
Tot Ion:146 Resp: 6031

Ion Ratio Lower Upper

146 100

111 43.6 20.3 60.9

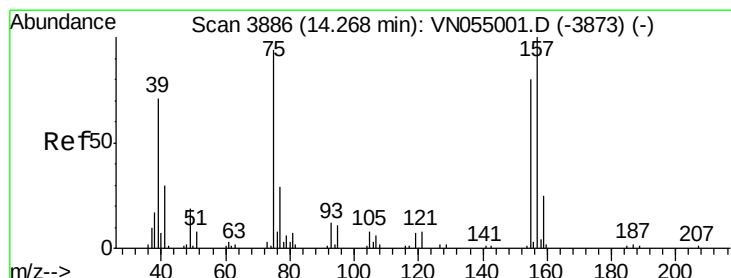
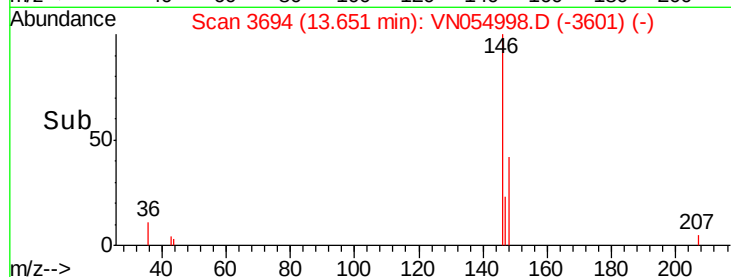
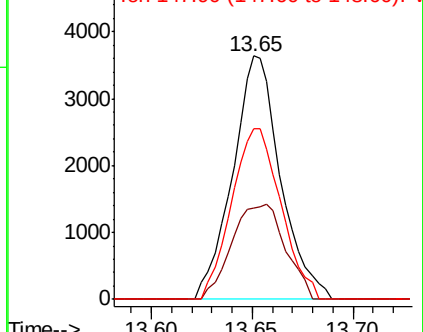
148 72.3 32.2 96.6



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: 0.979 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

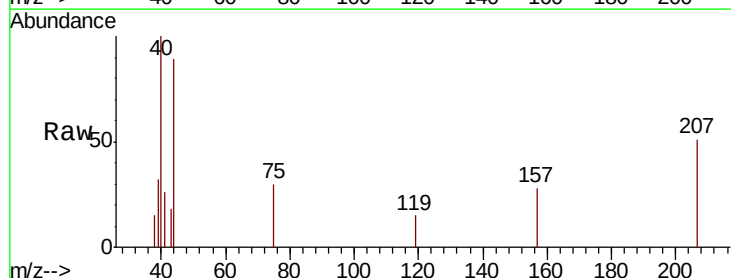
Tgt Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

155 18.9 42.0 126.0#

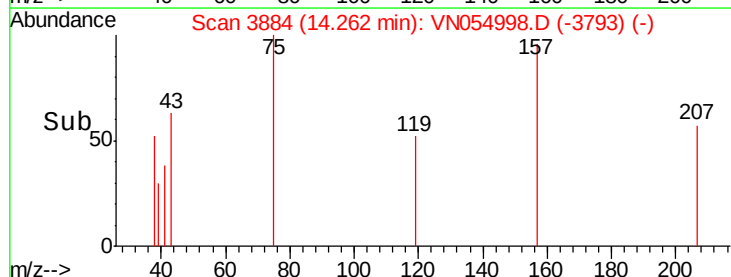
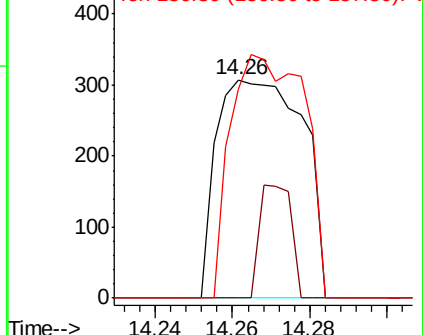
157 95.6 52.1 156.4

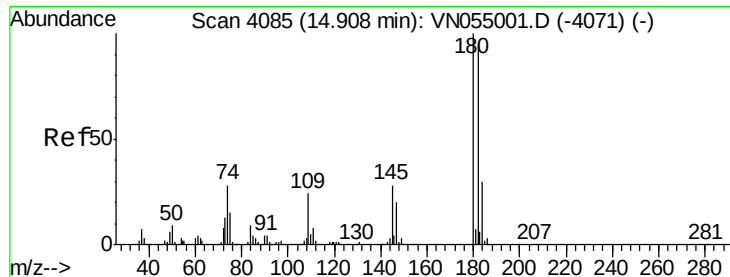


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

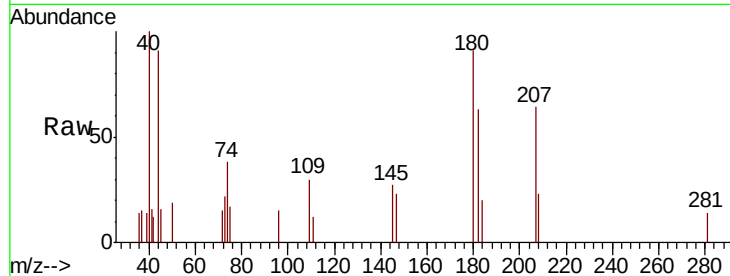




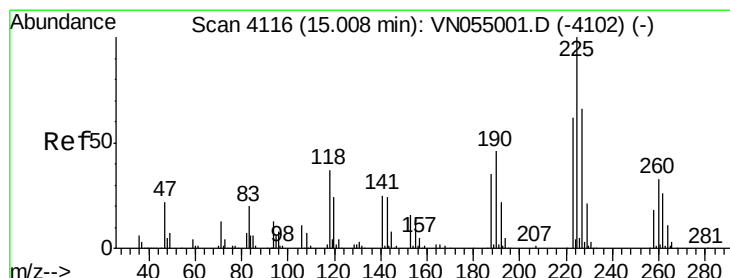
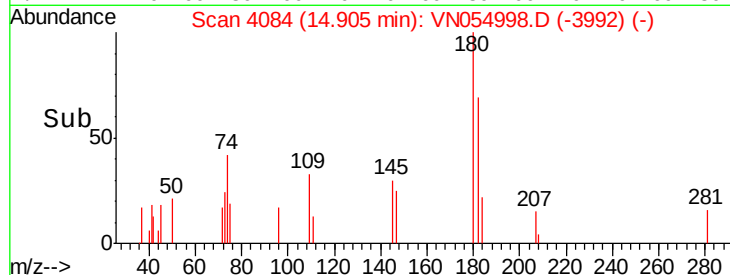
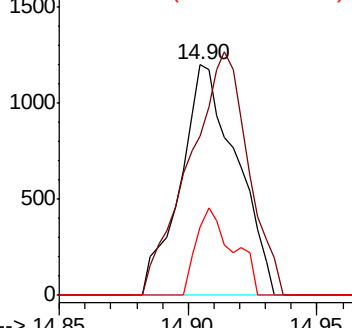
#93
 1,2,4-Trichlorobenzene
 Concen: 0.747 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 1823
 Ion Ratio Lower Upper
 180 100
 182 110.9 47.5 142.6
 145 25.0 14.2 42.8

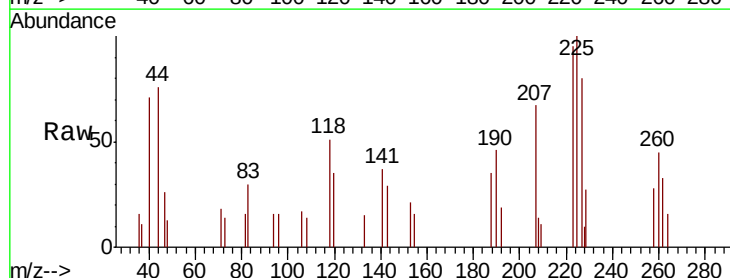


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

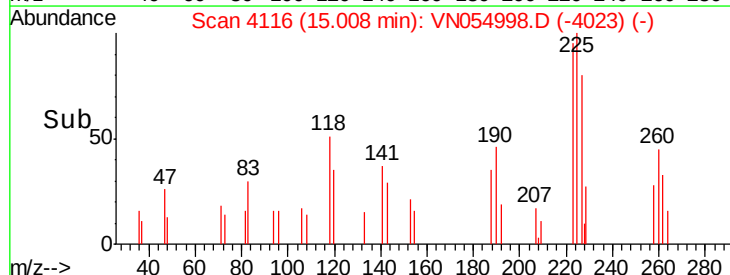
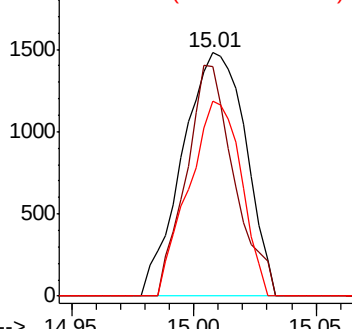


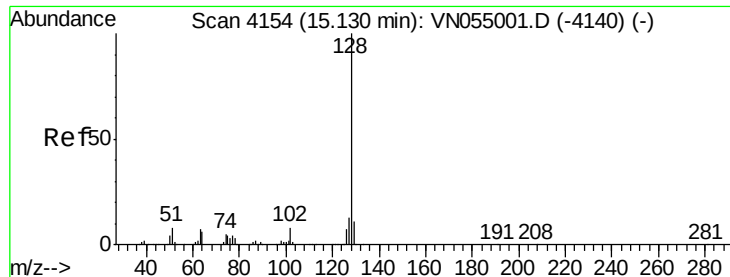
#94
 Hexachlorobutadiene
 Concen: 1.437 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion:225 Resp: 2671
 Ion Ratio Lower Upper
 225 100
 223 71.5 31.4 94.0
 227 66.2 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.930 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

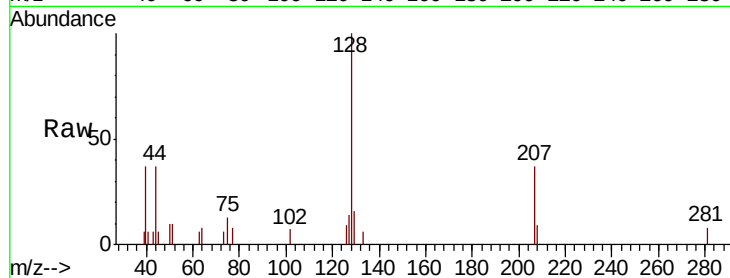
Tot Ion:128 Resp: 5007

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

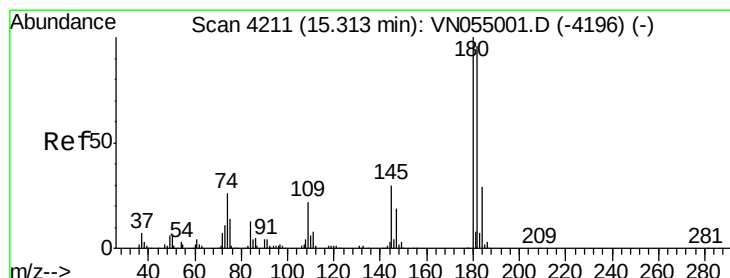
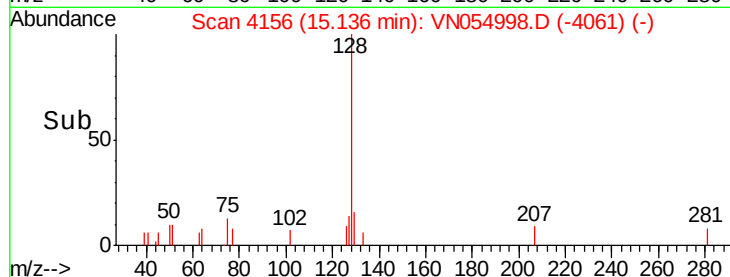
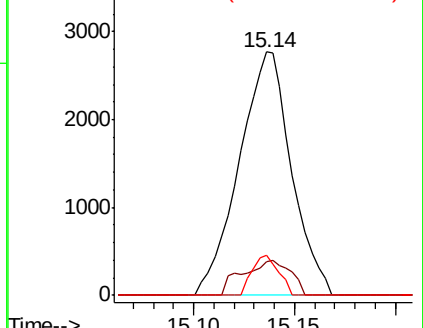
129 8.3 8.8 13.2#



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: 0.957 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

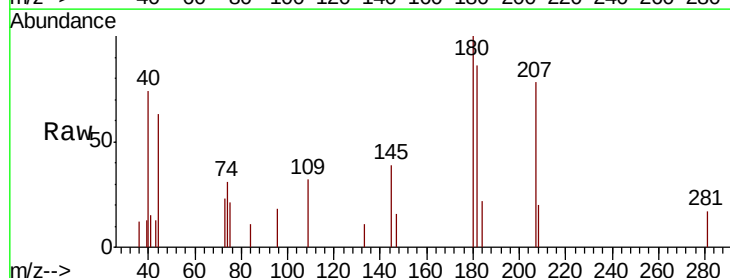
Tgt Ion:180 Resp: 2426

Ion Ratio Lower Upper

180 100

182 109.8 48.0 144.0

145 35.9 15.3 45.9



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

