

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055252.D
 Acq On : 25 Apr 2019 18:50
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Apr 26 04:38:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68702	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	376930	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	330045	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164280	31.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.50%
60) 4-Bromofluorobenzene	12.40	95	154988	30.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.87%
63) Toluene-d8	10.09	98	472397	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	182876	46.376 ug/l	97
3) Chloromethane	2.06	50	257482	47.726 ug/l	94
4) Vinyl Chloride	2.19	62	210925	45.560 ug/l	99
5) Bromomethane	2.55	94	112767	42.195 ug/l	96
6) Chloroethane	2.69	64	113965	44.035 ug/l	97
7) Trichlorofluoromethane	3.01	101	310495	51.391 ug/l	94
8) Diethyl Ether	3.41	74	126797	62.195 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198154	57.970 ug/l	98
10) 1,1-Dichloroethene	3.74	96	184849	58.299 ug/l	99
11) Methyl Iodide	3.95	142	299488	61.763 ug/l	98
12) Methyl Acetate	4.33	43	273402	66.497 ug/l	93
13) Acrolein	3.61	56	56198	181.506 ug/l	96
14) Acrylonitrile	4.99	53	487560	298.243 ug/l	100
15) Acetone	3.82	58	114137	292.685 ug/l	97
16) Carbon Disulfide	4.05	76	490794	48.022 ug/l	98
17) Allyl chloride	4.32	41	406918	53.906 ug/l	99
18) Methylene Chloride	4.55	84	226432	49.734 ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	199177	49.894 ug/l	94
20) Diisopropyl ether	5.95	45	827582	53.197 ug/l	97
21) 1,1-Dichloroethane	5.85	63	421581	51.291 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	236940	51.336 ug/l	96
23) tert-Butyl Alcohol	4.80	59	93554	341.685 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	610522	57.380 ug/l	100
25) Chloroform	7.37	83	397405	50.726 ug/l	97
26) Cyclohexane	7.65	56	366515	48.963 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	297465	50.269 ug/l	99
30) 2-Butanone	6.84	43	608068	295.130 ug/l	100
31) 2,2-Dichloropropane	6.83	77	279946	50.758 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	327822	51.636 ug/l	99
33) Carbon Tetrachloride	7.77	117	272718	50.120 ug/l	99
34) Benzene	8.04	78	880142	49.917 ug/l	# 91
35) Methacrylonitrile	7.17	41	141042	56.819 ug/l	97
36) 1,2-Dichloroethane	8.13	62	314648	51.728 ug/l	100
37) Trichloroethene	8.84	130	222167	49.724 ug/l	95
38) Methylcyclohexane	9.08	83	316086	46.910 ug/l	97
39) 1,2-Dichloropropane	9.12	63	254783	51.794 ug/l	100
40) Dibromomethane	9.21	93	144887	51.816 ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	298708	52.091	ug/l	97
42) Vinyl Acetate	5.90	43	2911805	282.083	ug/l	100
43) Ethyl Acetate	6.93	43	244275	56.638	ug/l	95
44) Isopropyl Acetate	8.17	43	450387	60.720	ug/l #	77
45) 1,4-Dioxane	9.20	88	46478	1159.664	ug/l	95
46) Methyl methacrylate	9.20	41	218341	58.264	ug/l	99
47) n-amyl Acetate	12.07	43	338009	63.580	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	301380	55.916	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	345673	52.909	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	201863	53.012	ug/l	97
51) Ethyl methacrylate	10.43	69	272890	58.475	ug/l	97
52) 1,3-Dichloropropane	10.71	76	353768	53.148	ug/l	99
53) Dibromochloromethane	10.90	129	207876	53.004	ug/l	99
54) 1,2-Dibromoethane	11.01	107	197273	54.754	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	424757	235.896	ug/l	99
56) Bromoform	12.13	173	136752	54.464	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	1296467	313.380	ug/l	100
59) 2-Hexanone	10.75	43	818956	313.689	ug/l	99
61) Tetrachloroethene	10.63	164	209606	48.378	ug/l	97
62) Toluene	10.16	91	924076	50.267	ug/l	97
64) Chlorobenzene	11.43	112	556486	50.434	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	204888	51.485	ug/l	99
66) Ethyl Benzene	11.51	91	986757	50.235	ug/l	99
67) m/p-Xylenes	11.62	106	737615	101.224	ug/l	99
68) o-Xylene	11.95	106	366848	50.568	ug/l	96
69) Styrene	11.96	104	578380	51.741	ug/l	99
70) Isopropylbenzene	12.25	105	967669	50.245	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	263148	57.429	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	316753	83.823	ug/l	62
73) Bromobenzene	12.53	156	230939	50.800	ug/l	100
74) n-propylbenzene	12.59	91	1093232	50.958	ug/l	100
75) 2-Chlorotoluene	12.67	91	659537	50.716	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	796347	51.278	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	61219	62.742	ug/l	97
78) 4-Chlorotoluene	12.77	91	641378	51.704	ug/l	99
79) tert-butylbenzene	12.99	119	683665	50.754	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	772004	50.393	ug/l	99
81) sec-Butylbenzene	13.17	105	908780	50.736	ug/l	99
82) p-Isopropyltoluene	13.29	119	759997	50.567	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	386671	51.326	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	366811	51.220	ug/l	99
85) n-Butylbenzene	13.61	91	601194	50.795	ug/l	99
86) Hexachloroethane	13.87	117	127282	52.088	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	384408	51.804	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	38446	62.398	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	152993	47.227	ug/l	96
90) Hexachlorobutadiene	15.01	225	127213	52.895	ug/l	99
91) Naphthalene	15.13	128	348476	50.407	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	163508	50.139	ug/l	100

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Quant Time: Apr 26 04:38:13 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 04:33:00 2019
Response via : Initial Calibration

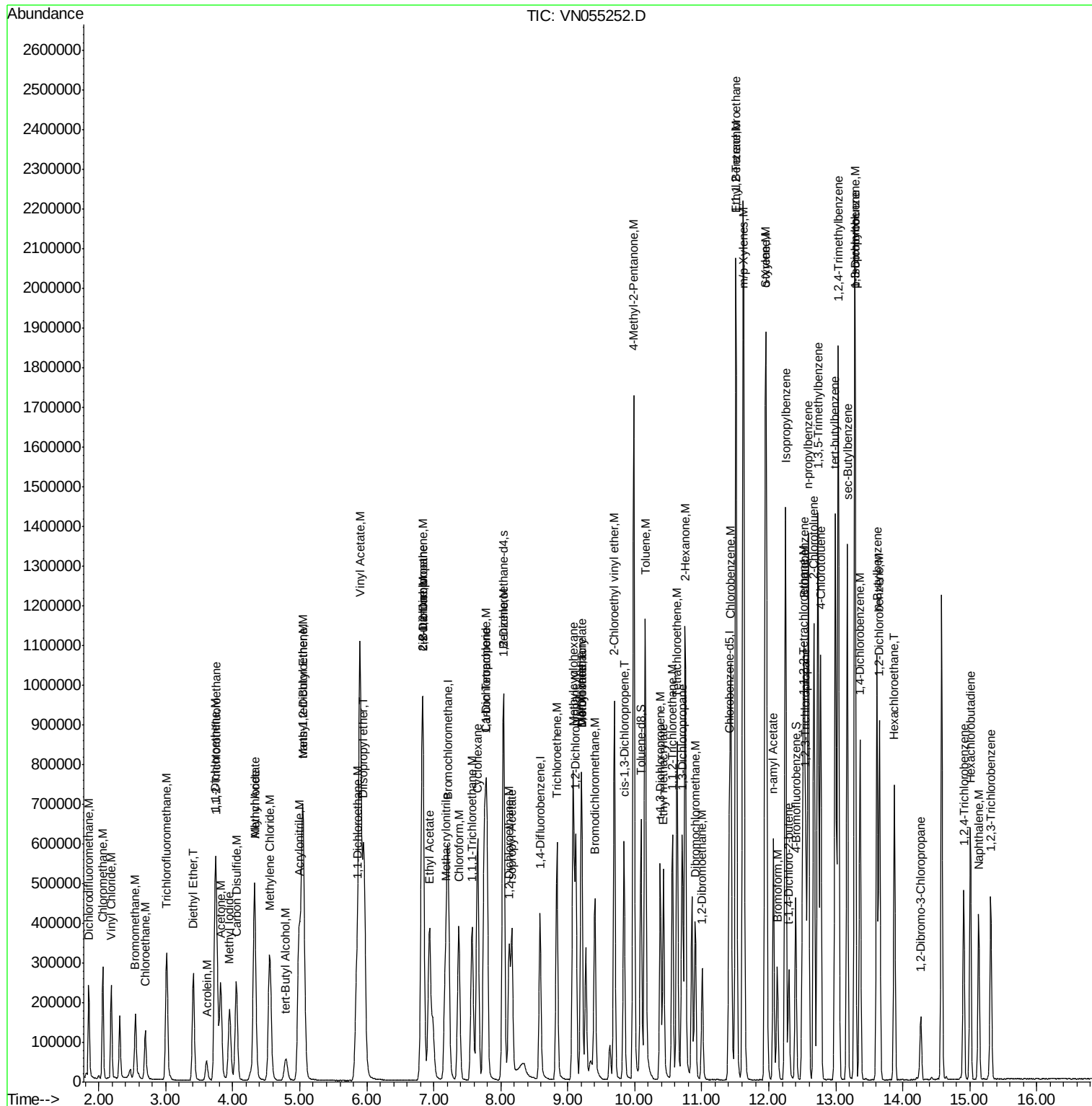
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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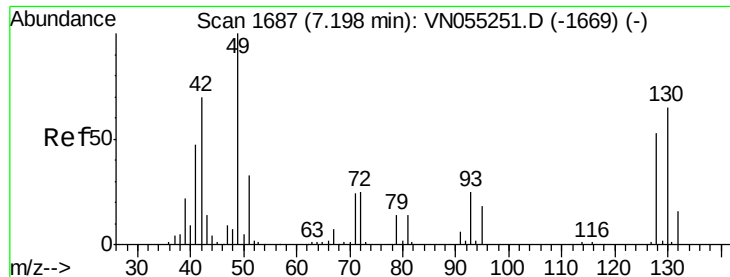
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055252.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: Apr 26 04:38:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 04:33:00 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

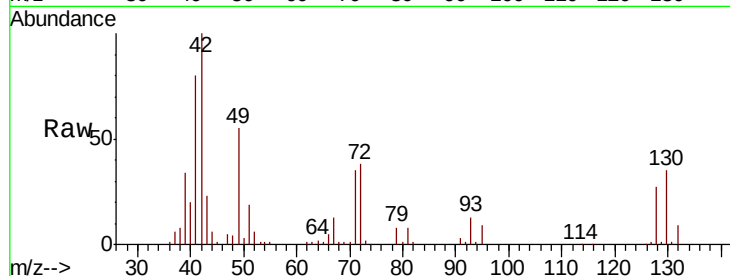
Tot Ion:128 Resp: 68702

Ion Ratio Lower Upper

128 100

49 200.7 0.0 485.0

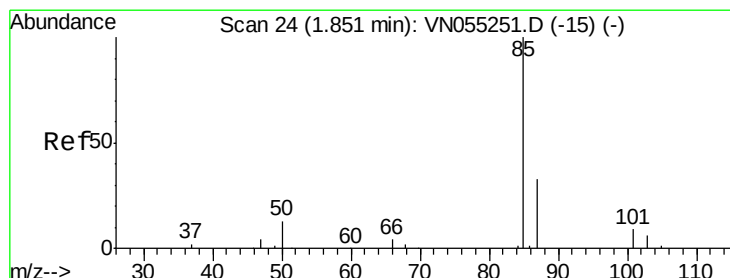
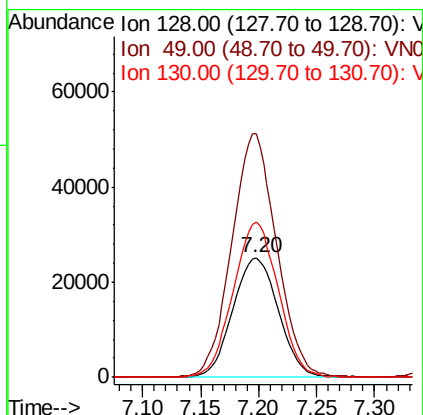
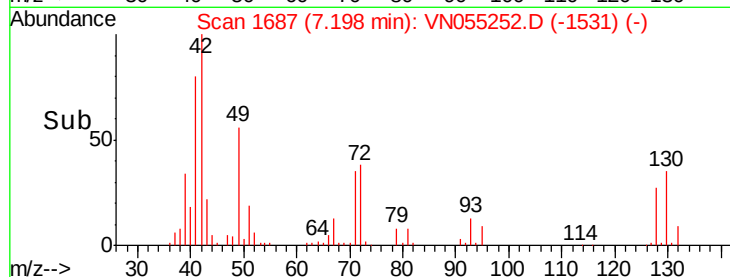
130 128.0 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 46.376 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055252.D

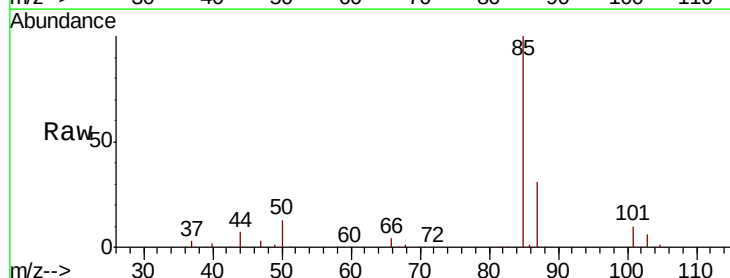
Acq: 25 Apr 2019 18:50

Tgt Ion: 85 Resp: 182876

Ion Ratio Lower Upper

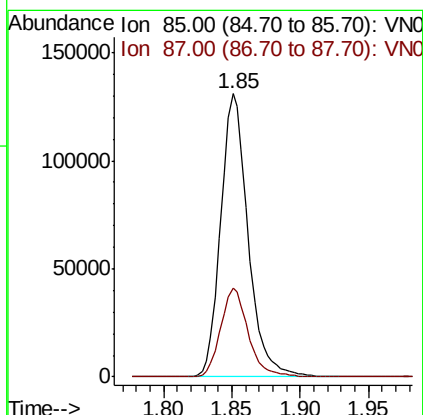
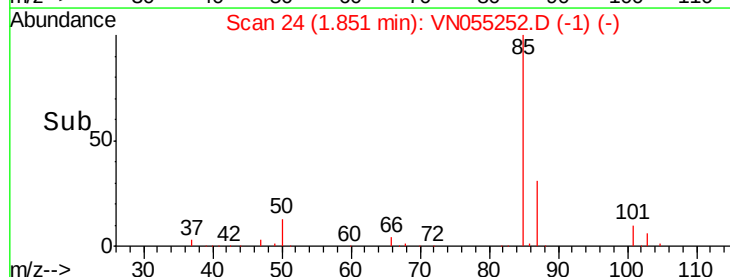
85 100

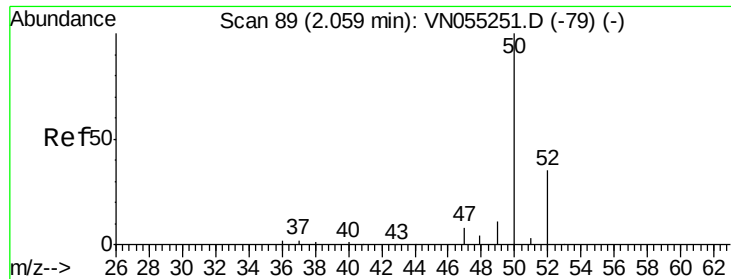
87 31.3 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 47.726 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

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ClientSampleId :

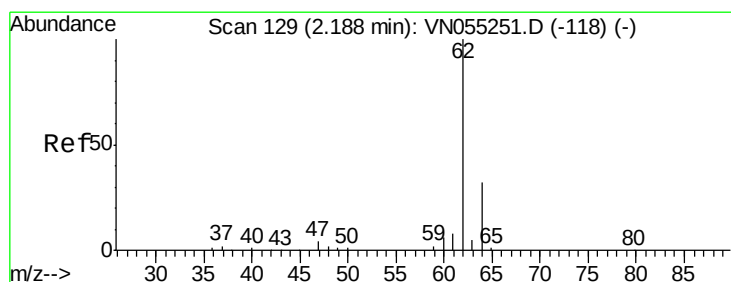
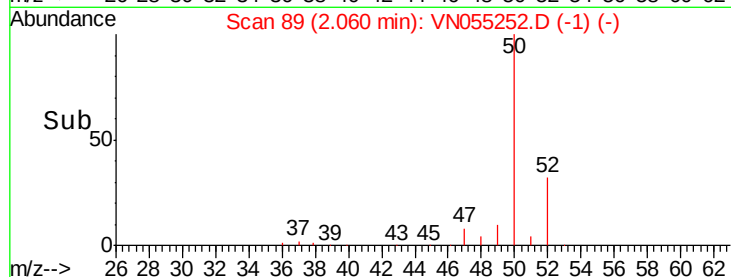
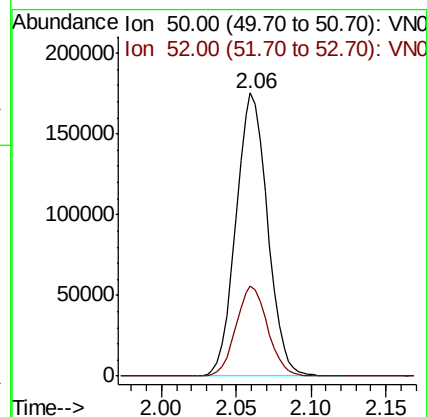
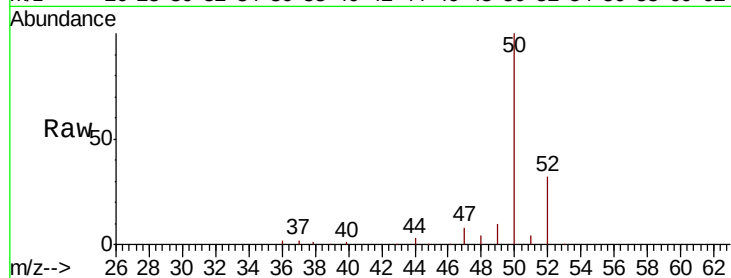
VSTDIC050

Tot Ion: 50 Resp: 257482

Ion Ratio Lower Upper

50 100

52 31.7 27.9 41.9



#4

Vinyl Chloride

Concen: 45.560 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055252.D

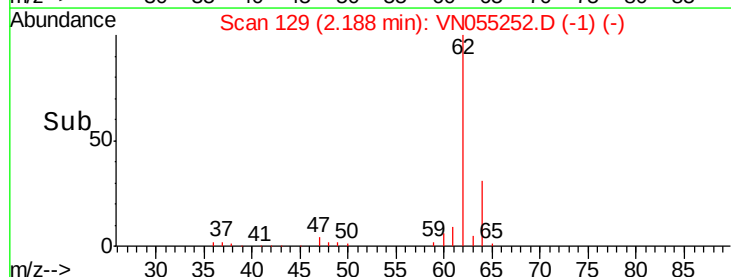
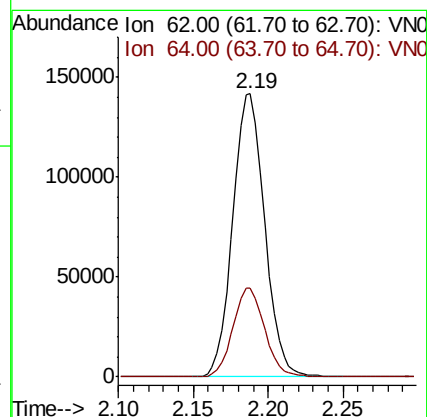
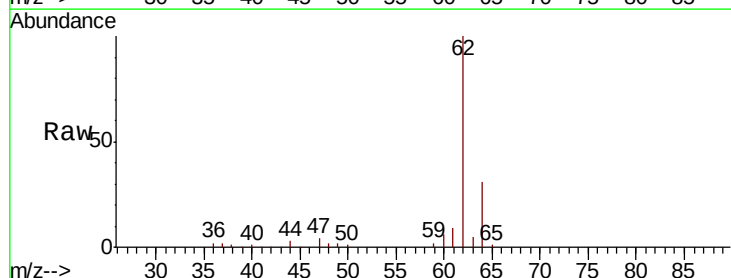
Acq: 25 Apr 2019 18:50

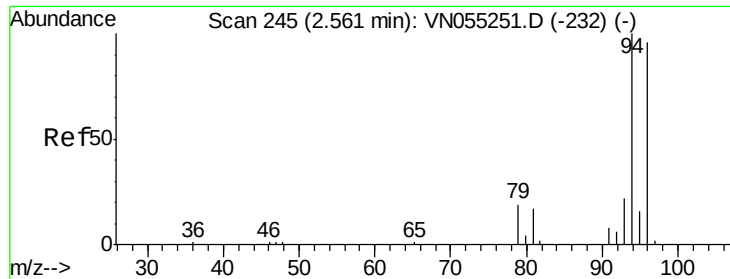
Tgt Ion: 62 Resp: 210925

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4

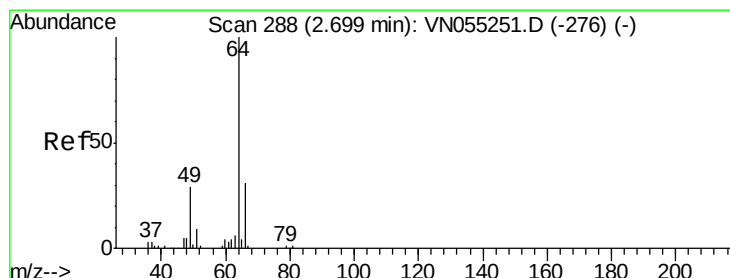
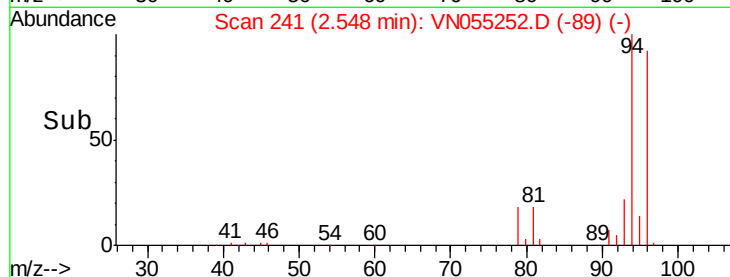
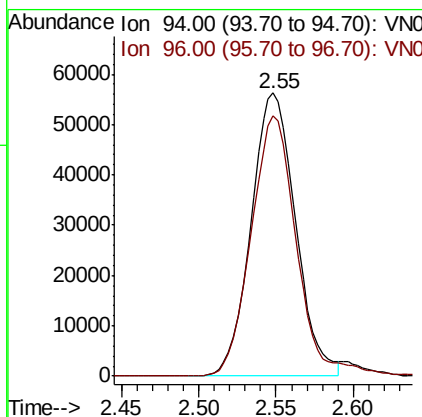
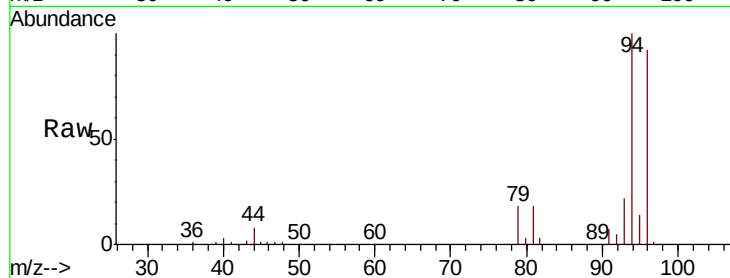




#5
Bromomethane
Concen: 42.195 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.01 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

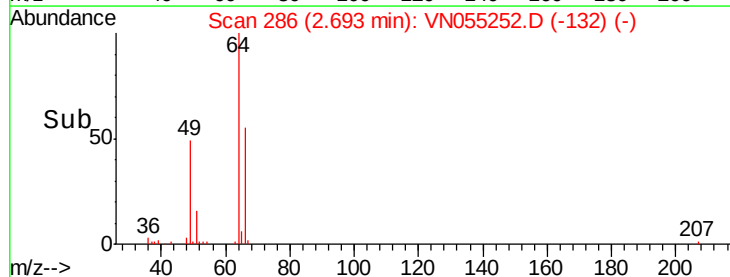
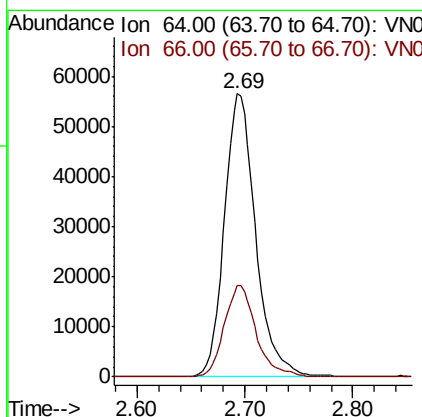
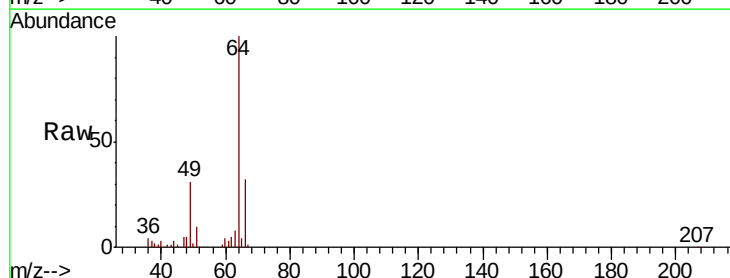
Instrument :
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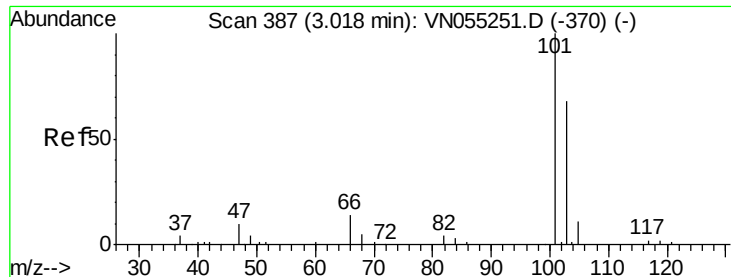
Tot Ion: 94 Resp: 112767
Ion Ratio Lower Upper
94 100
96 92.2 77.0 115.6



#6
Chloroethane
Concen: 44.035 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 64 Resp: 113965
Ion Ratio Lower Upper
64 100
66 32.2 24.6 36.8



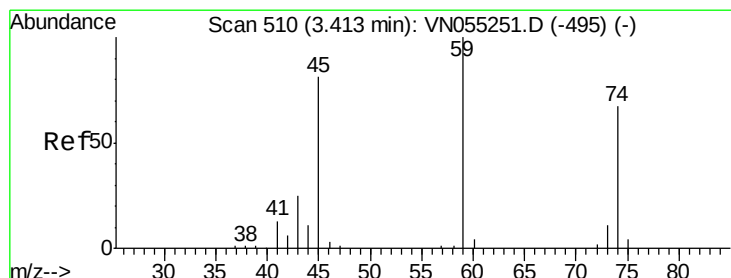
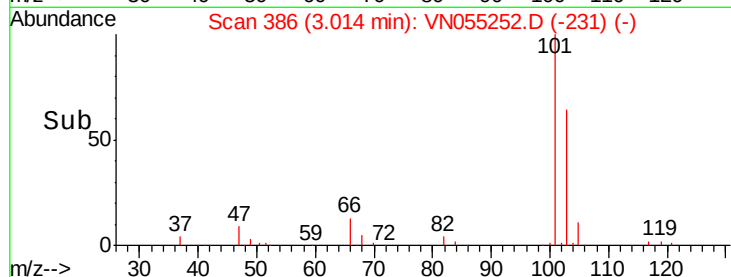
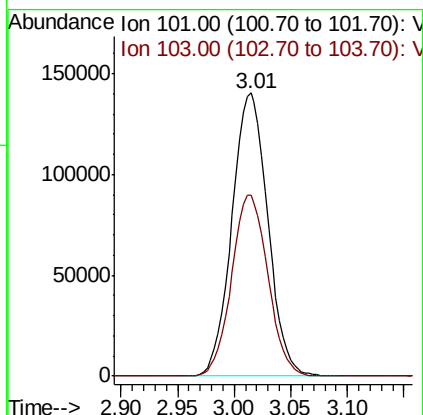
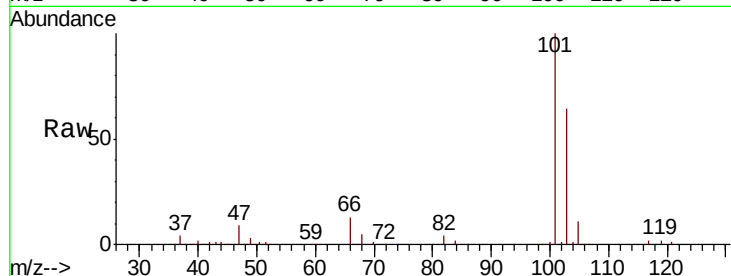


#7

Trichlorofluoromethane
Concen: 51.391 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
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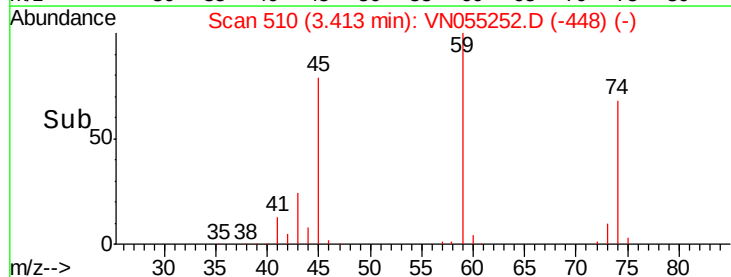
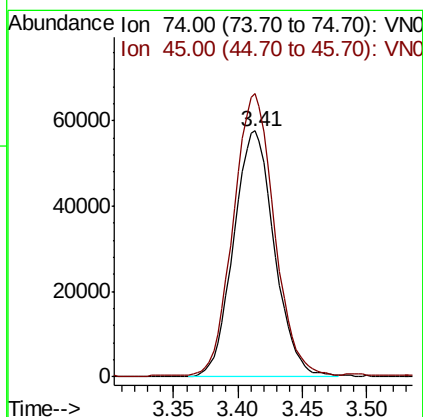
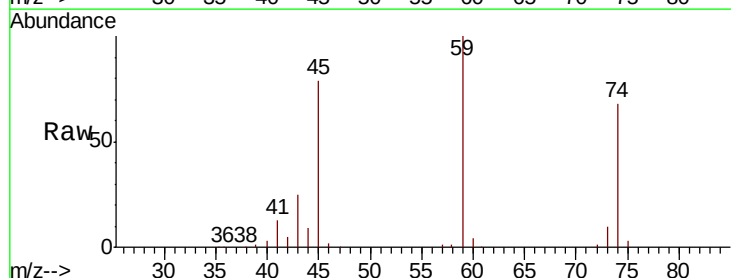
Tot Ion:101 Resp: 310495
Ion Ratio Lower Upper
101 100
103 63.7 54.6 81.8

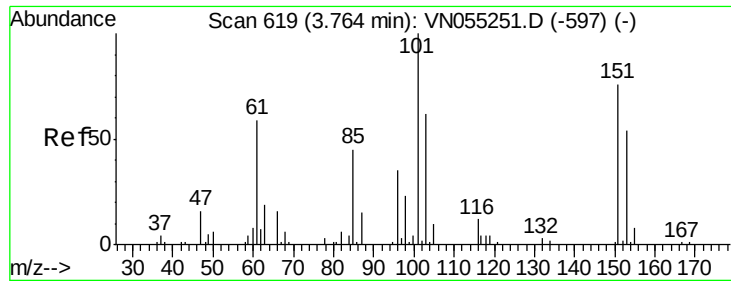


#8

Diethyl Ether
Concen: 62.195 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 74 Resp: 126797
Ion Ratio Lower Upper
74 100
45 115.7 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.970 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

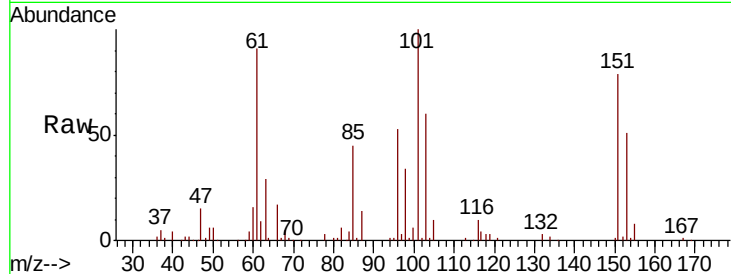
Tot Ion:101 Resp: 198154

Ion Ratio Lower Upper

101 100

85 44.7 0.0 89.0

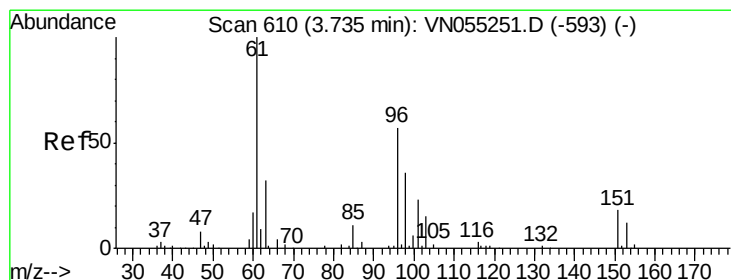
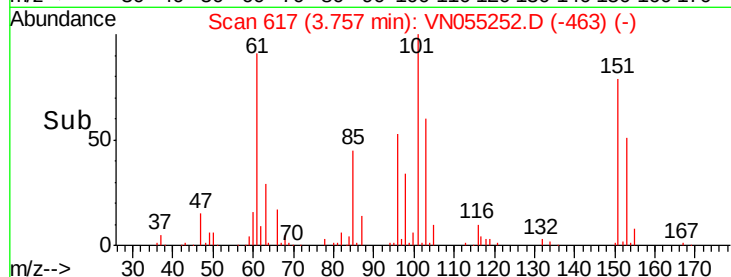
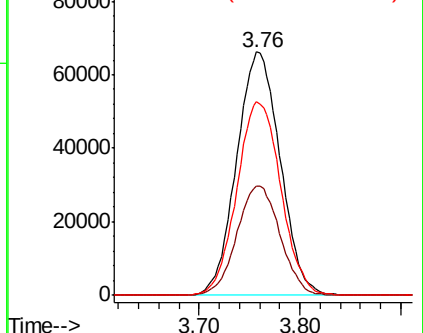
151 80.3 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 58.299 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

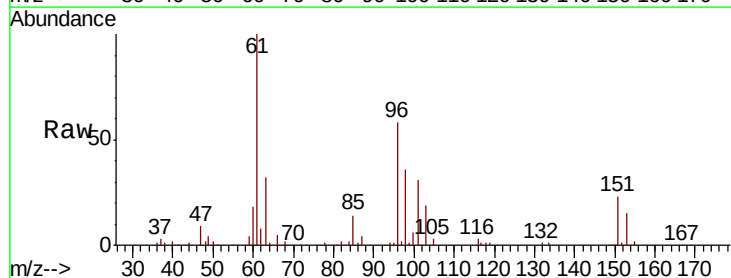
Tgt Ion: 96 Resp: 184849

Ion Ratio Lower Upper

96 100

61 173.5 139.9 209.9

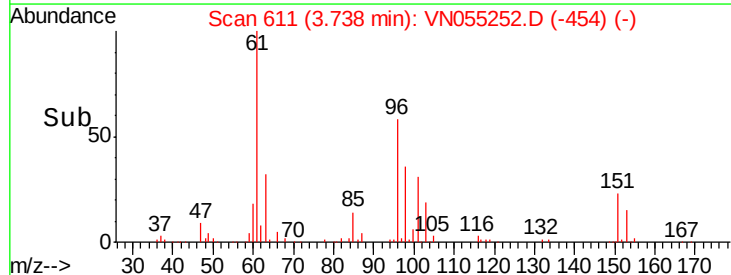
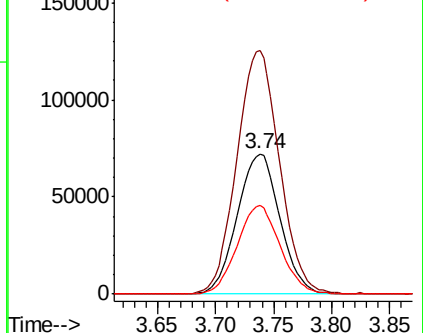
98 62.7 50.8 76.2

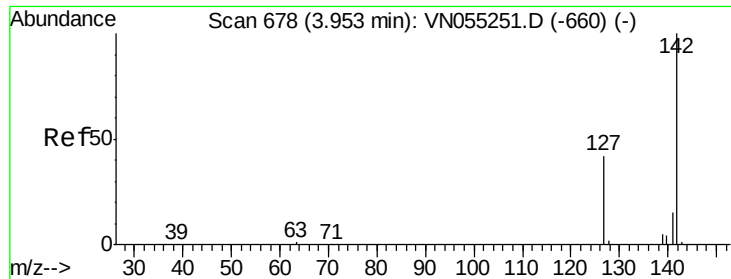


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

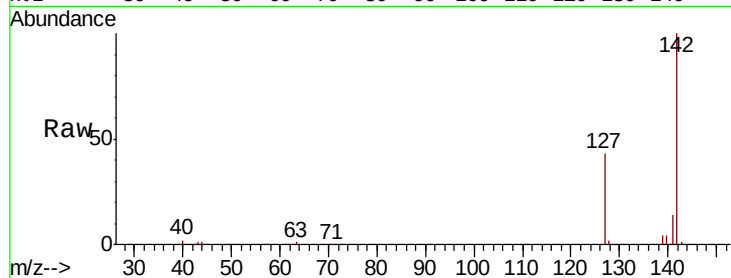




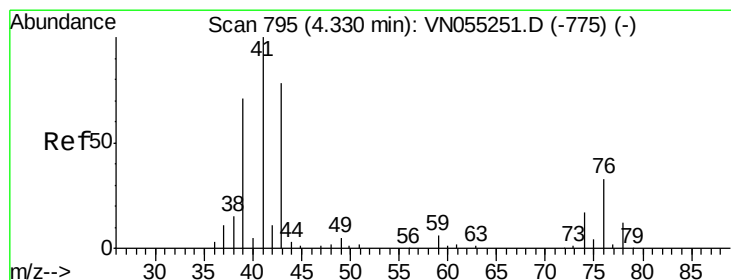
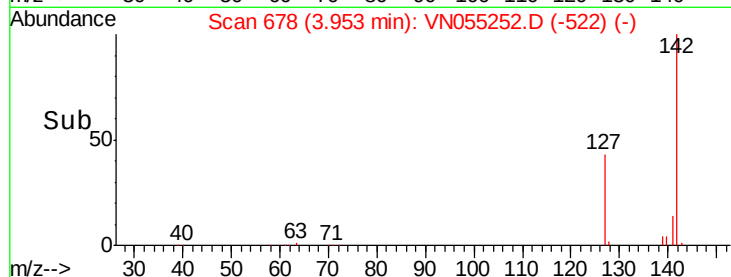
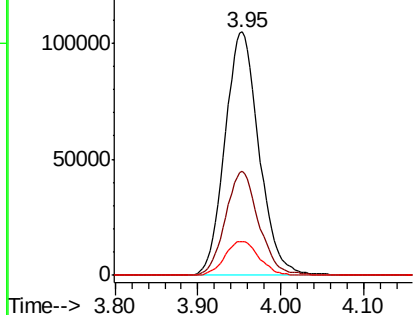
#11
Methyl Iodide
Concen: 61.763 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:142 Resp: 299488
Ion Ratio Lower Upper
142 100
127 42.7 20.9 62.7
141 13.9 7.6 22.8

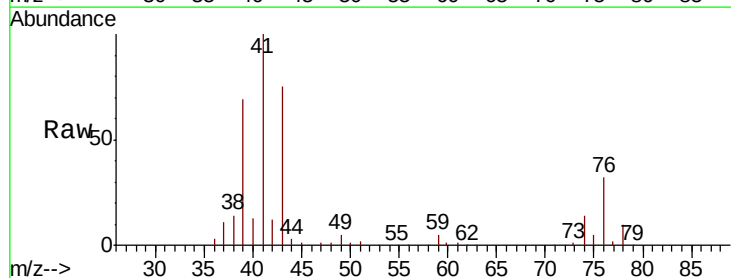


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

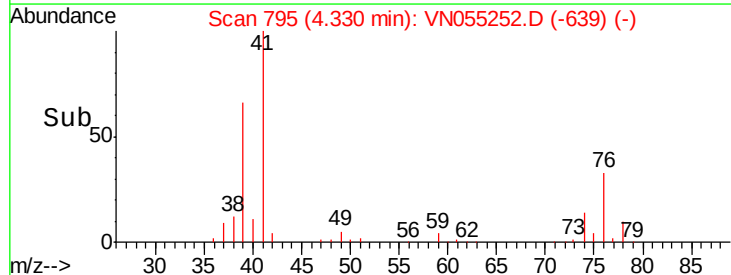
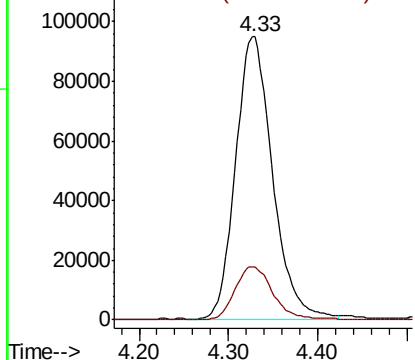


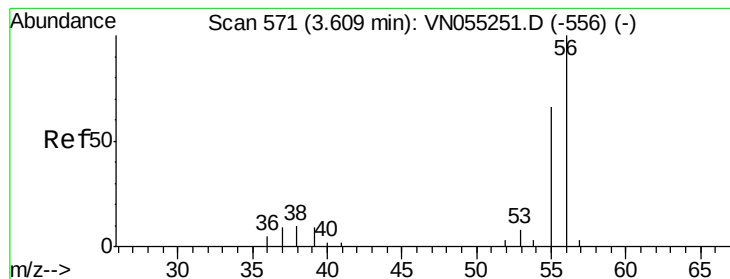
#12
Methyl Acetate
Concen: 66.497 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 43 Resp: 273402
Ion Ratio Lower Upper
43 100
74 18.6 17.7 26.5



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





#13

Acrolein

Concen: 181.506 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

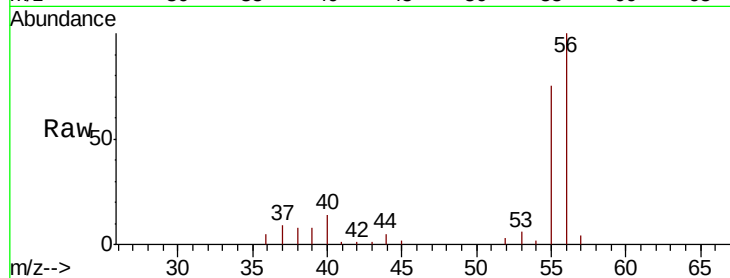
VSTDIC050

Tot Ion: 56 Resp: 56198

Ion Ratio Lower Upper

56 100

55 71.7 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

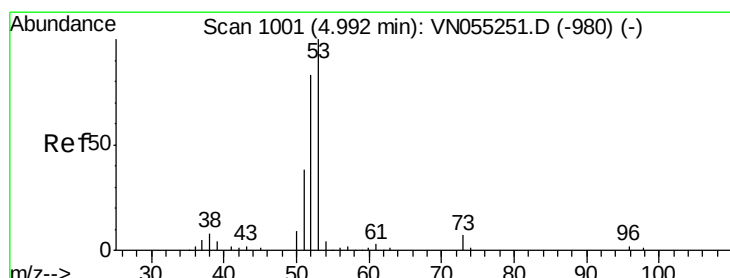
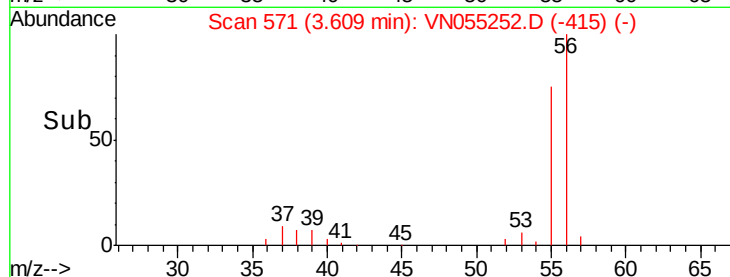
5000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 298.243 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

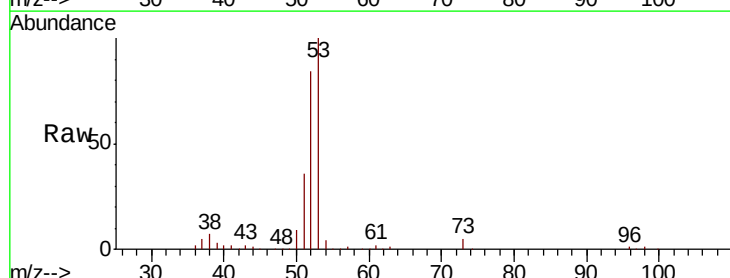
Tgt Ion: 53 Resp: 487560

Ion Ratio Lower Upper

53 100

52 82.1 41.0 123.2

51 36.5 18.1 54.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

200000

150000

100000

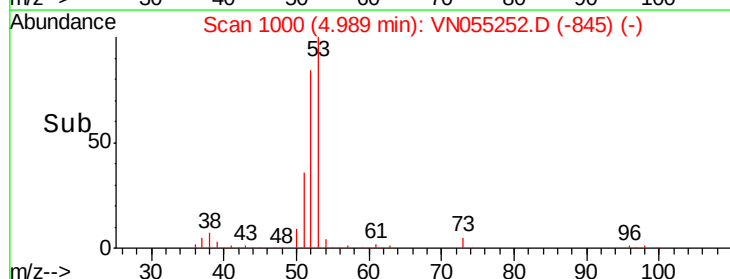
50000

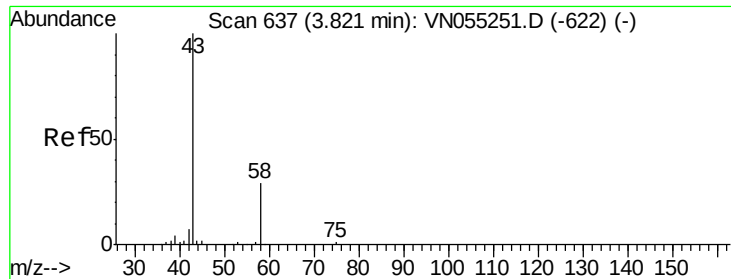
0

Time-->

4.90 5.00 5.10

4.99





#15

Acetone

Concen: 292.685 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

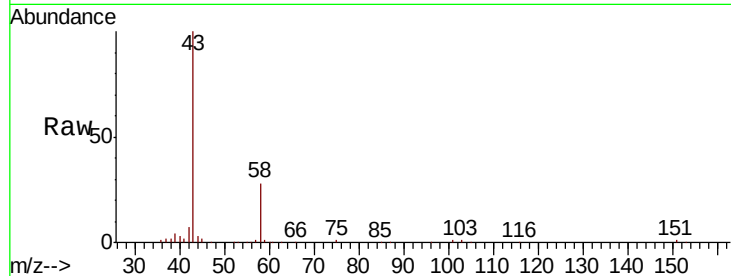
VSTDIC050

Tot Ion: 58 Resp: 114137

Ion Ratio Lower Upper

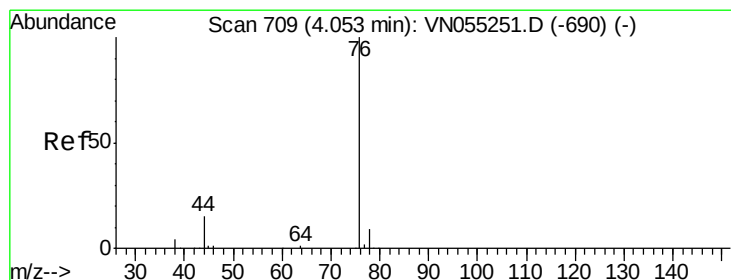
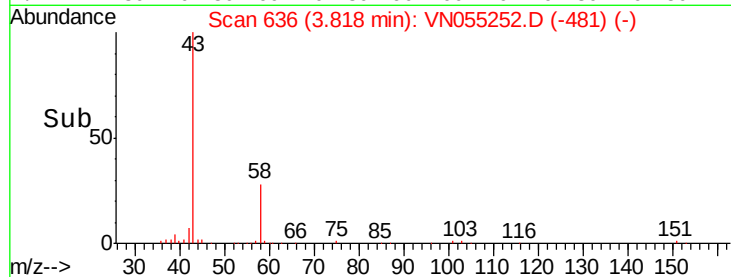
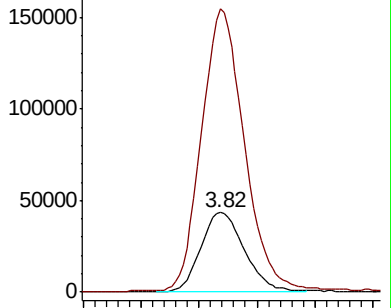
58 100

43 354.1 278.2 417.2



Abundance Ion 58.00 (57.70 to 58.70): VN055252.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN055252.D (-481) (-)



#16

Carbon Disulfide

Concen: 48.022 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055252.D

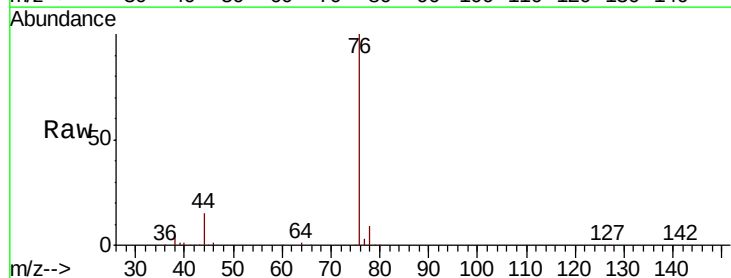
Acq: 25 Apr 2019 18:50

Tgt Ion: 76 Resp: 490794

Ion Ratio Lower Upper

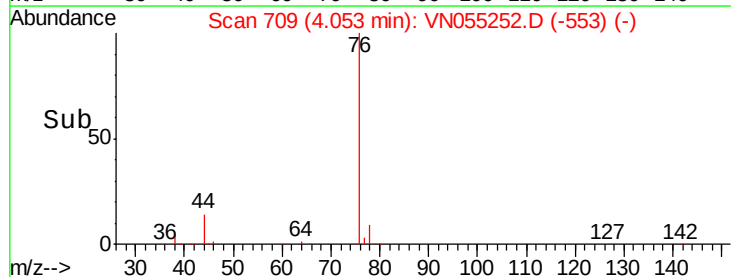
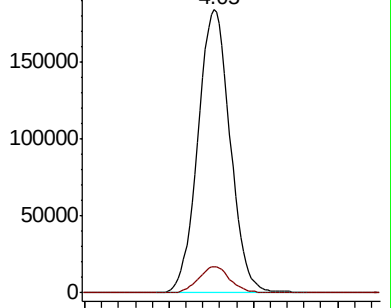
76 100

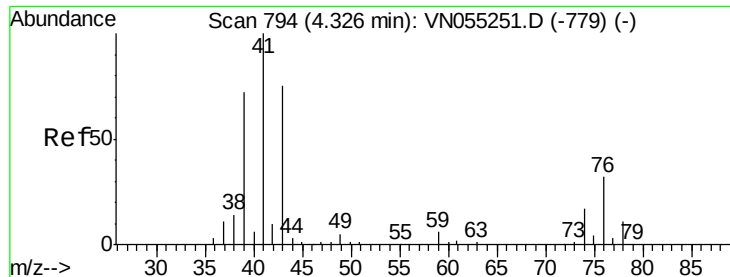
78 9.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN055252.D (-553) (-)

Ion 78.00 (77.70 to 78.70): VN055252.D (-553) (-)





#17

Allvl chloride

Concen: 53.906 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

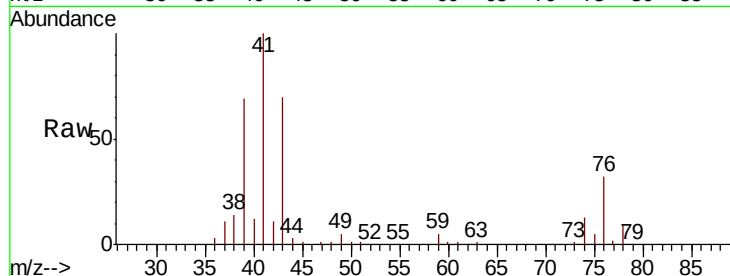
Tot Ion: 41 Resp: 406918

Ion Ratio Lower Upper

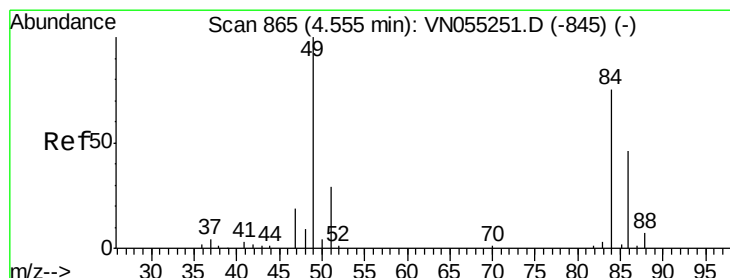
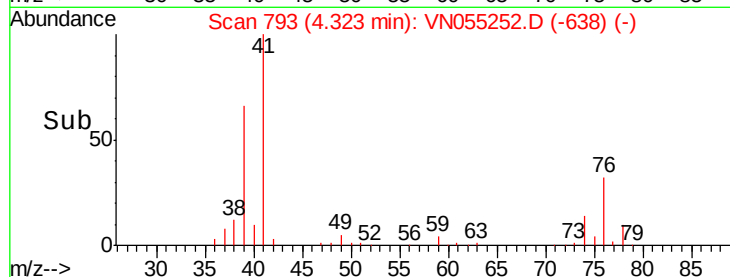
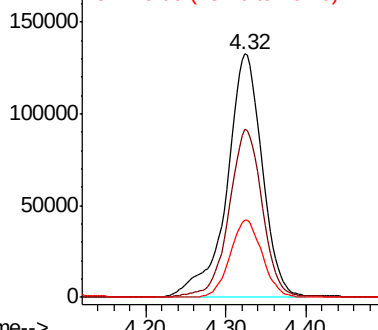
41 100

39 68.8 34.4 103.2

76 31.5 15.3 45.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 49.734 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion: 84 Resp: 226432

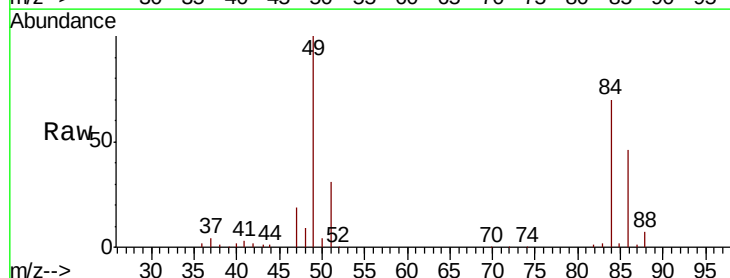
Ion Ratio Lower Upper

84 100

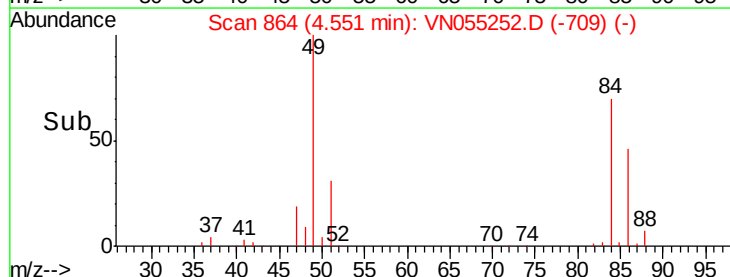
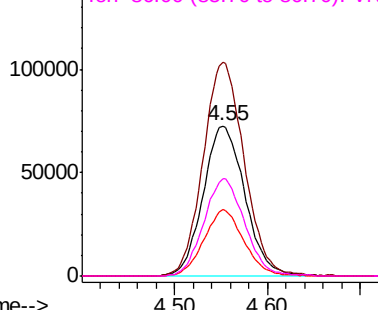
49 142.2 107.2 160.8

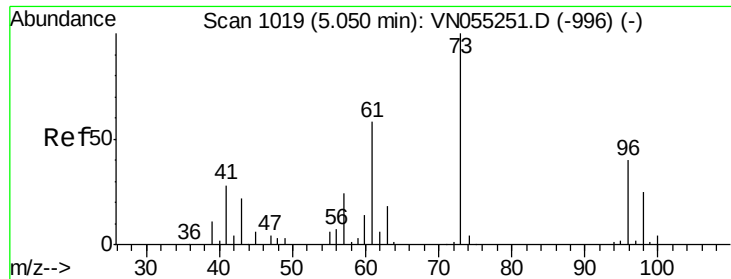
51 43.9 31.4 47.2

86 64.8 49.4 74.0



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

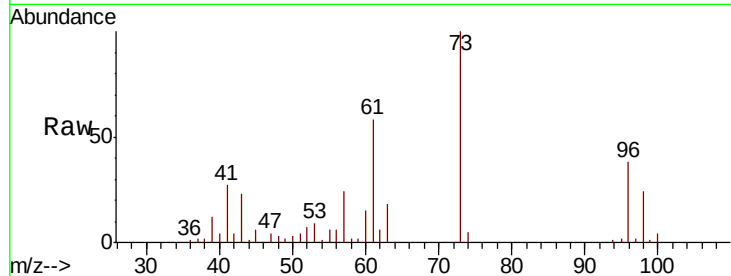




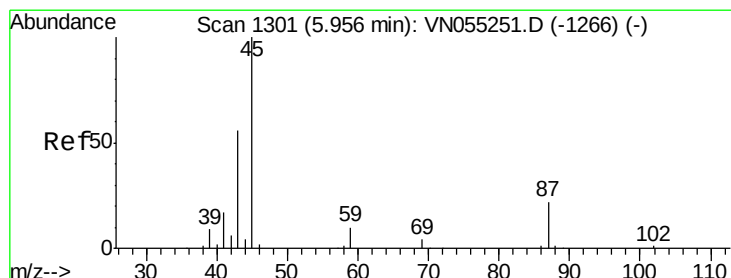
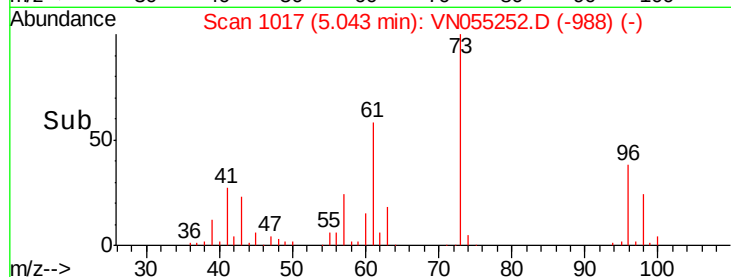
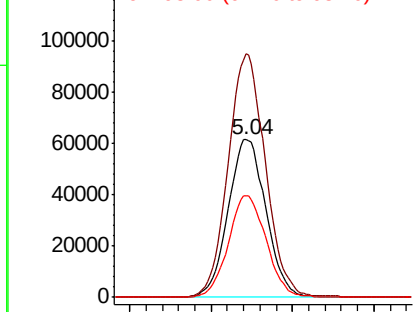
#19
trans-1,2-Dichloroethene
Concen: 49.894 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 199177
Ion Ratio Lower Upper
96 100
61 153.9 116.3 174.5
98 64.6 49.4 74.2

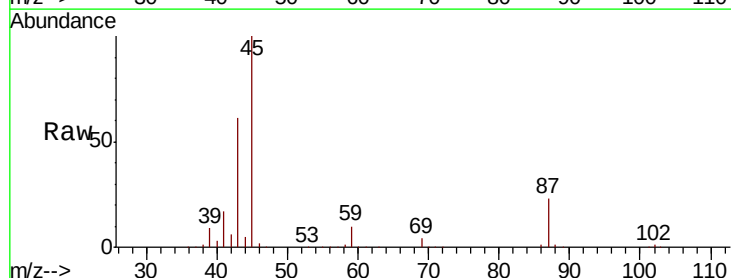


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

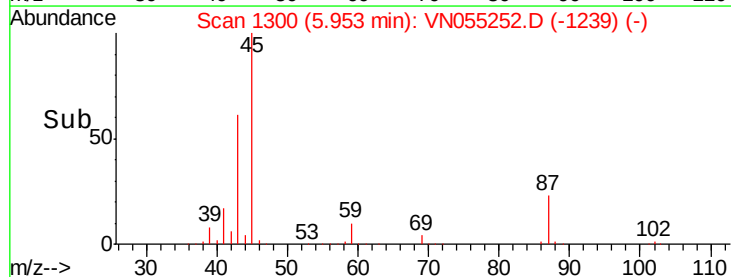
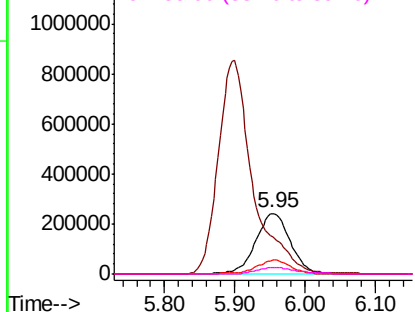


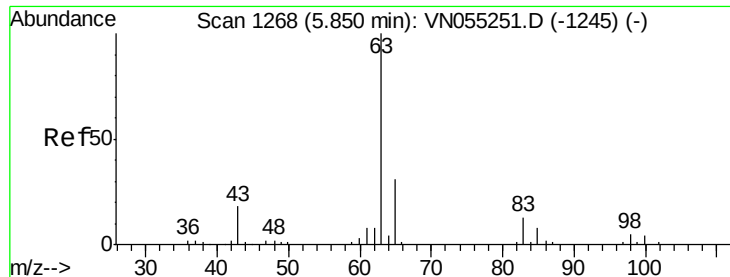
#20
Diisopropyl ether
Concen: 53.197 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 45 Resp: 827582
Ion Ratio Lower Upper
45 100
43 60.5 46.1 69.1
87 22.4 18.3 27.5
59 10.0 8.0 12.0



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

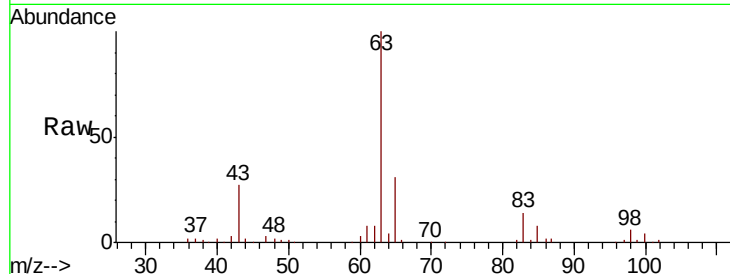




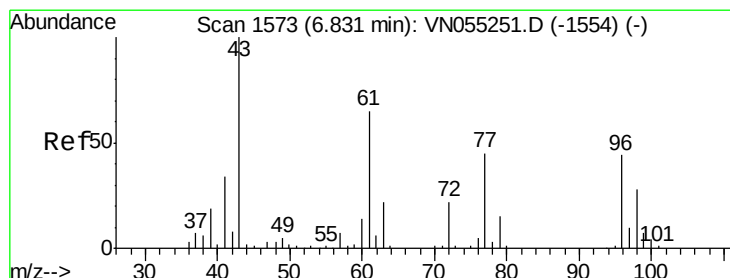
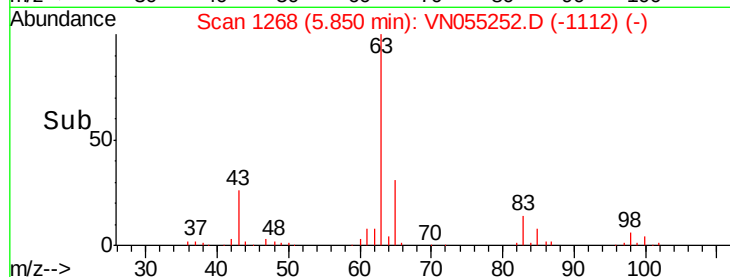
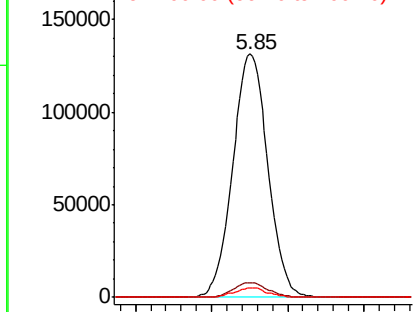
#21
 1,1-Dichloroethane
 Concen: 51.291 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.8	8.3
100	3.8	2.0	5.8

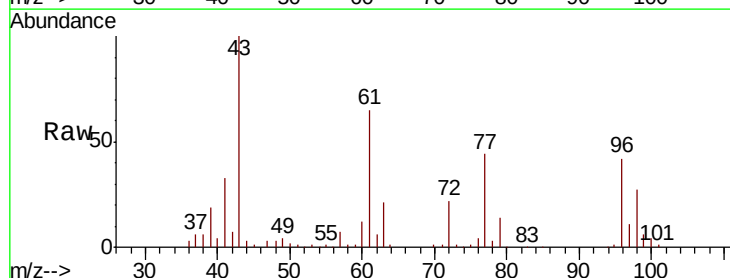


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

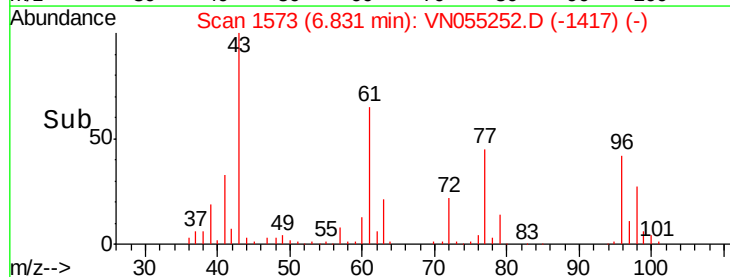
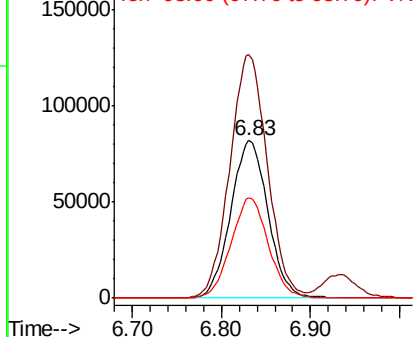


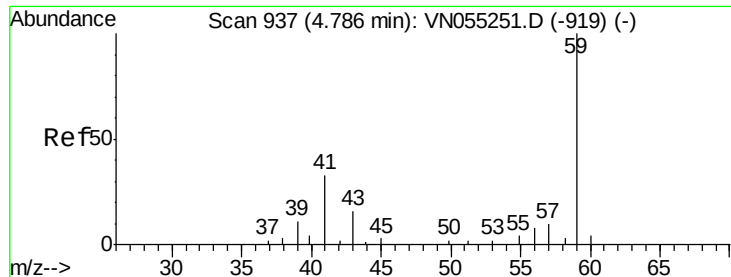
#22
 cis-1,2-Dichloroethene
 Concen: 51.336 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	129.1	193.7
98	63.7	53.2	79.8



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

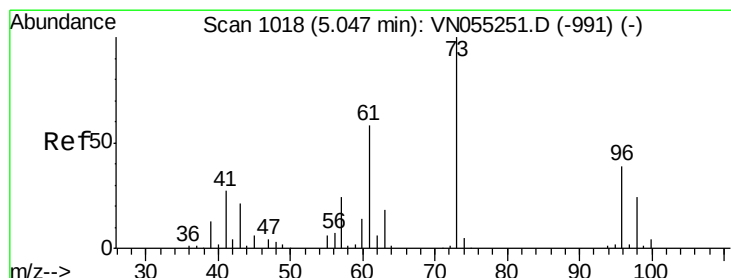
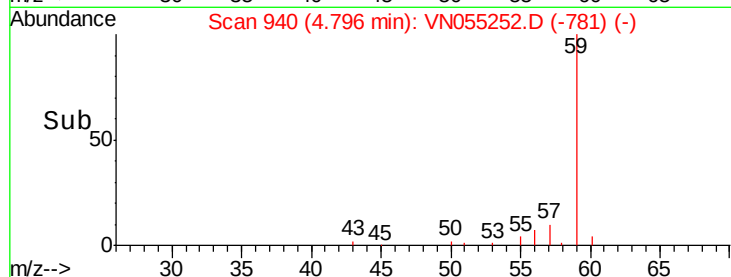
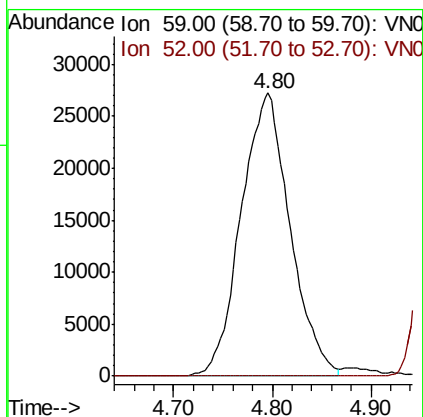
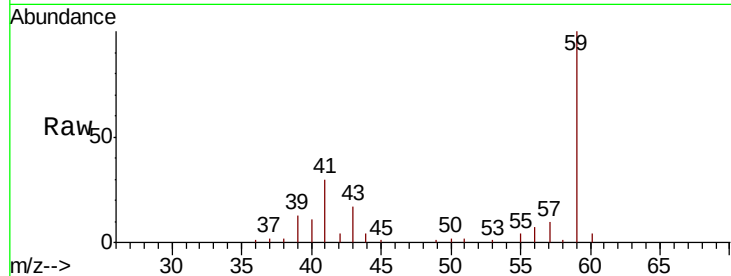




#23
tert-Butyl Alcohol
Concen: 341.685 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

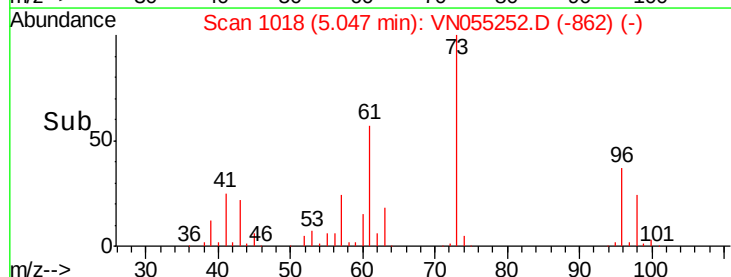
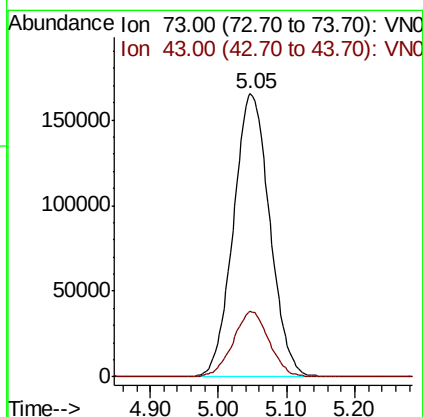
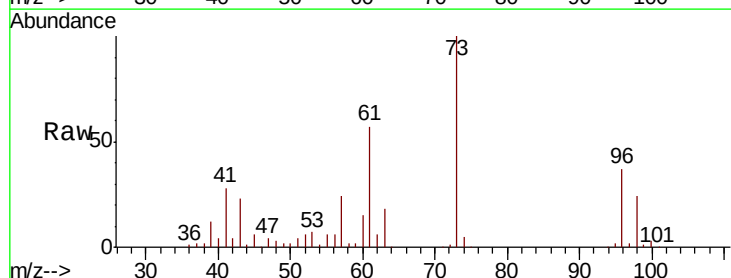
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

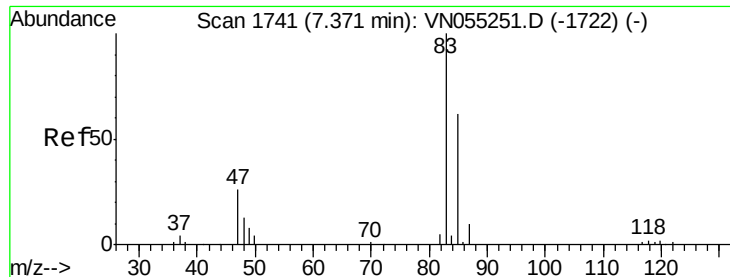
Tot Ion: 59 Resp: 93554
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 57.380 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 73 Resp: 610522
Ion Ratio Lower Upper
73 100
43 22.5 17.9 26.9





#25

Chloroform

Concen: 50.726 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

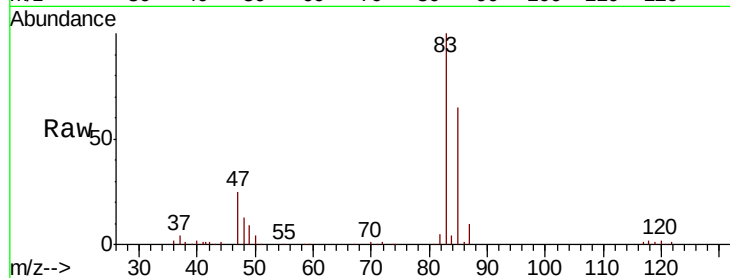
VSTDIC050

Tot Ion: 83 Resp: 397405

Ion Ratio Lower Upper

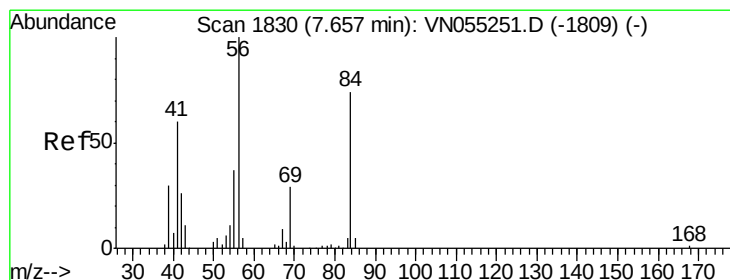
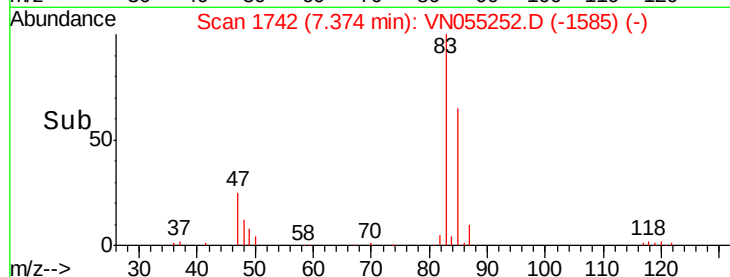
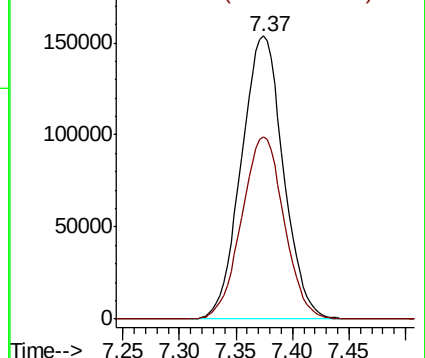
83 100

85 64.6 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 48.963 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

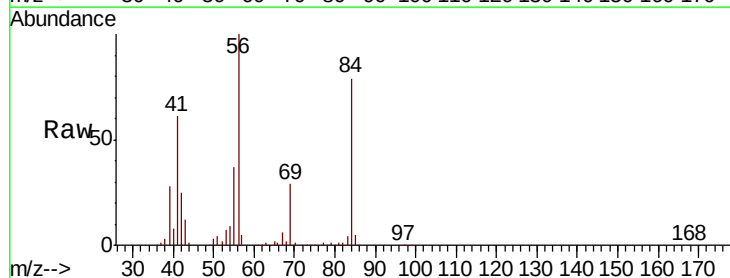
Tgt Ion: 56 Resp: 366515

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

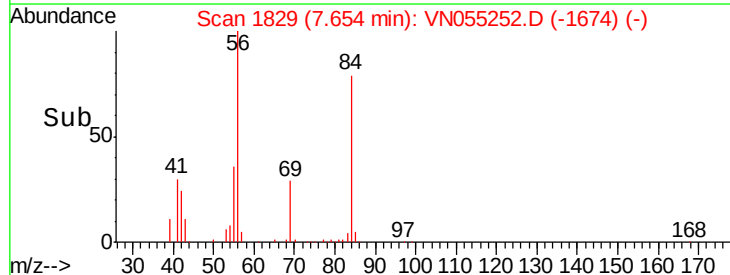
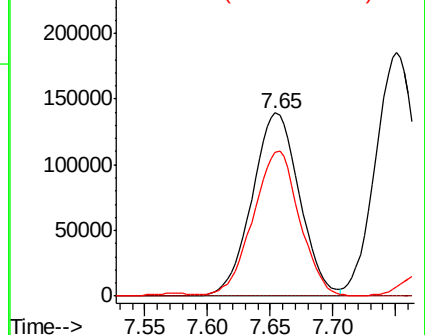
84 78.0 63.5 95.3

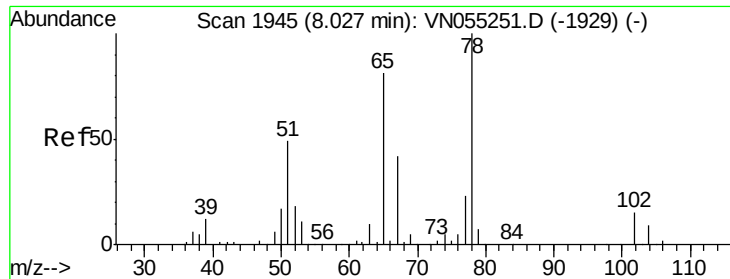


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

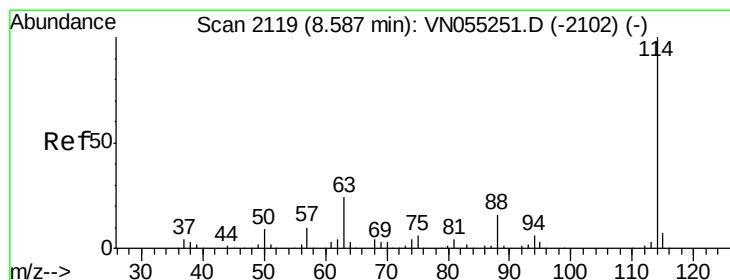
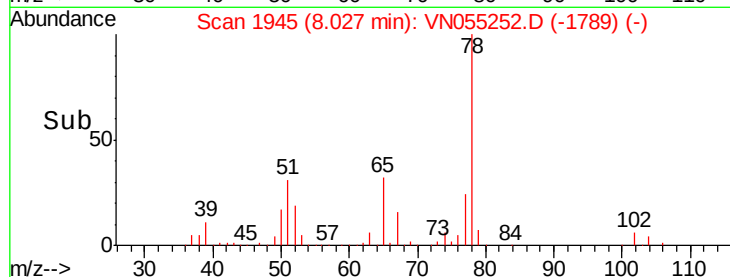
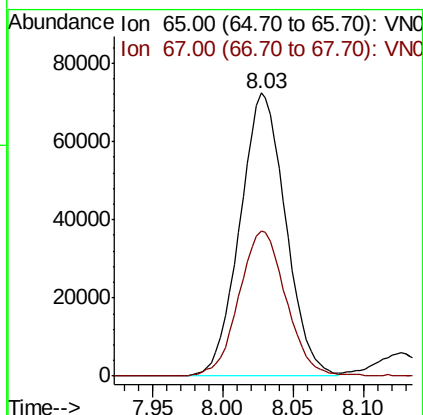
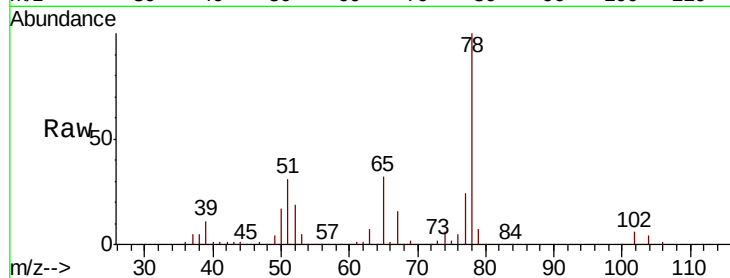




#27
 1,2-Dichloroethane-d4
 Concen: 48.963 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

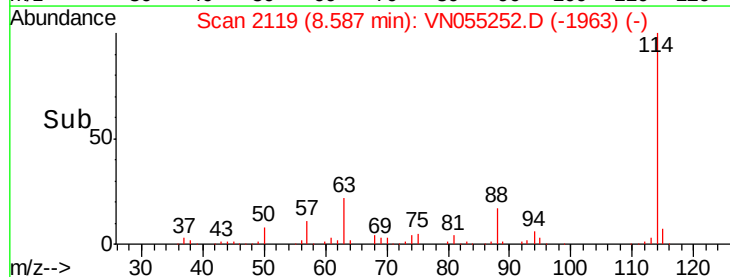
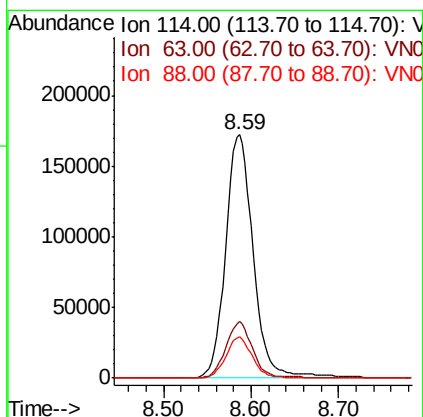
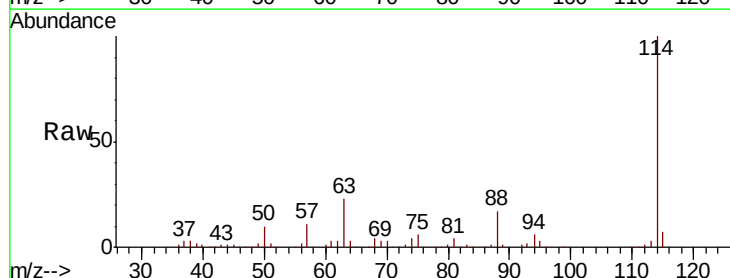
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

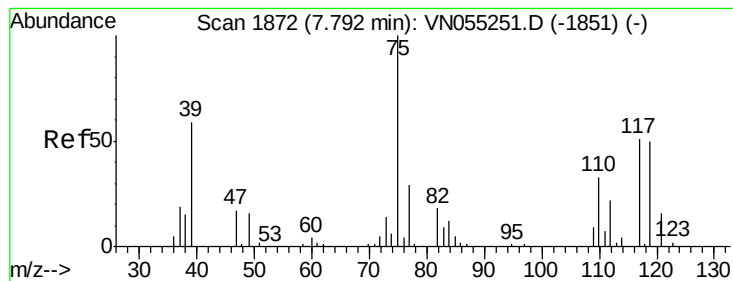
Tot Ion: 65 Resp: 164280
 Ion Ratio Lower Upper
 65 100
 67 52.5 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion: 114 Resp: 376930
 Ion Ratio Lower Upper
 114 100
 63 22.4 18.2 27.2
 88 16.0 12.6 18.8

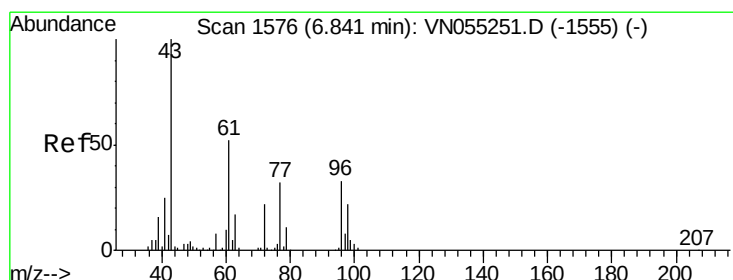
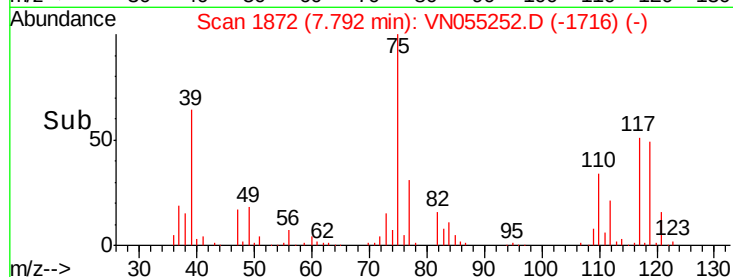
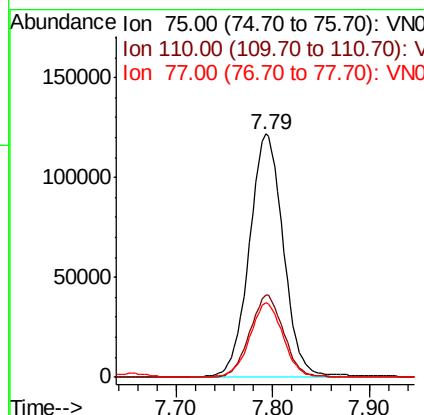
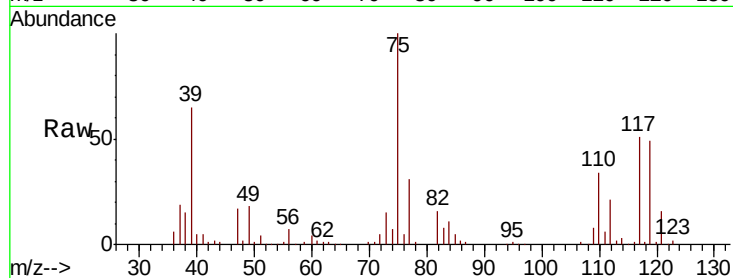




#29
 1,1-Dichloropropene
 Concen: 50.269 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

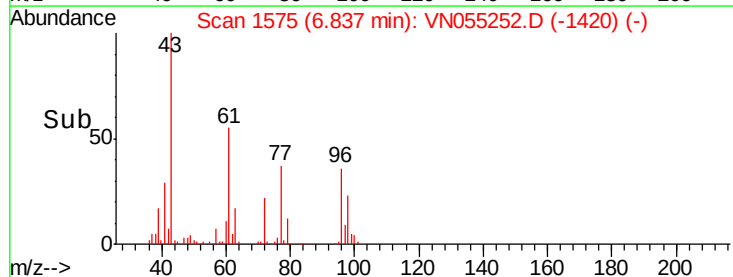
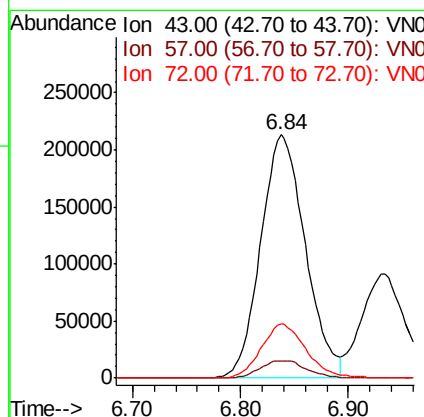
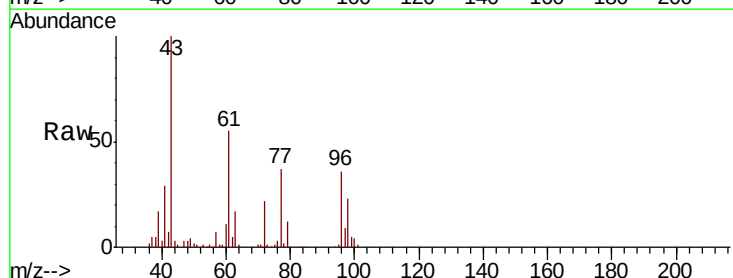
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

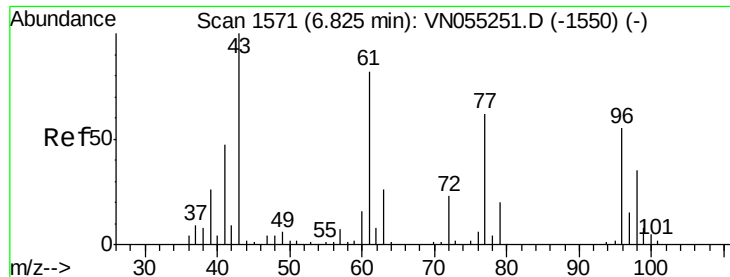
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	0.0	68.6
77	30.4	0.0	61.6



#30
 2-Butanone
 Concen: 295.130 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.5	17.9	26.9

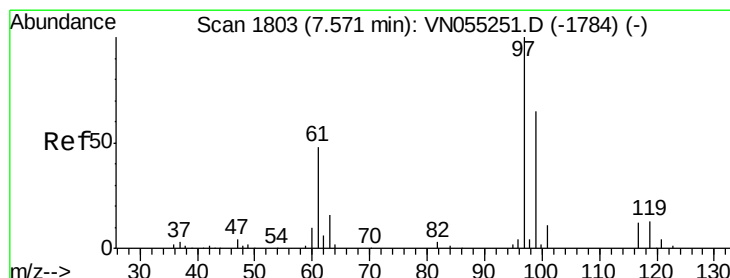
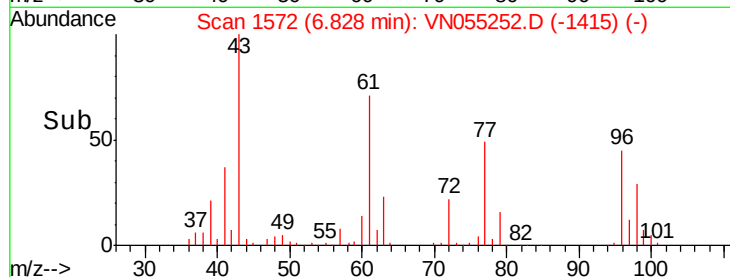
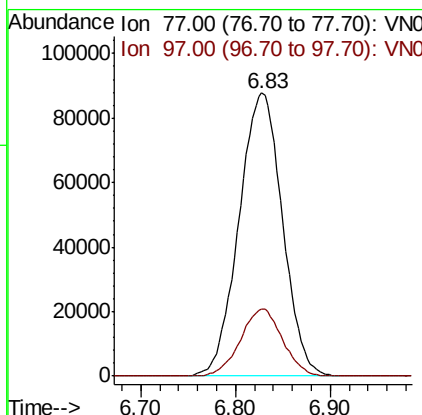
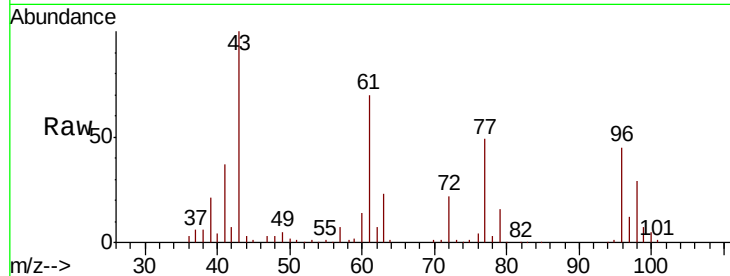




#31
 2,2-Dichloropropane
 Concen: 50.758 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

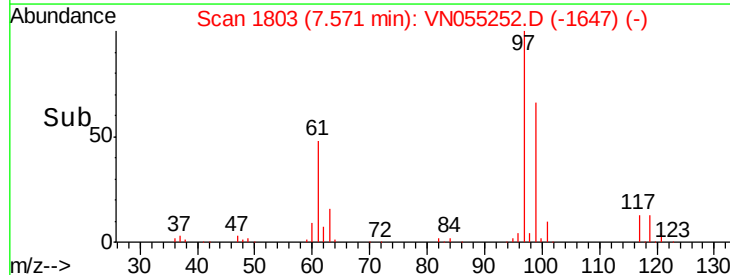
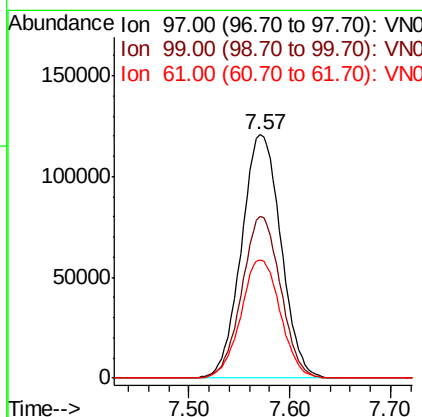
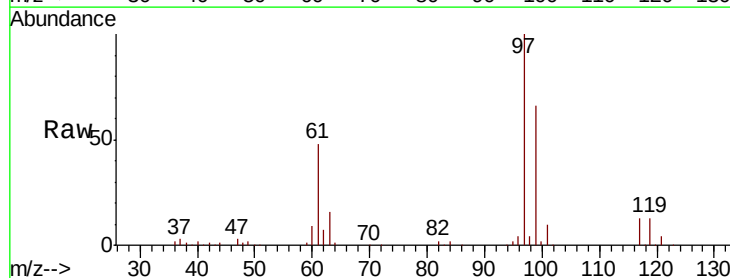
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

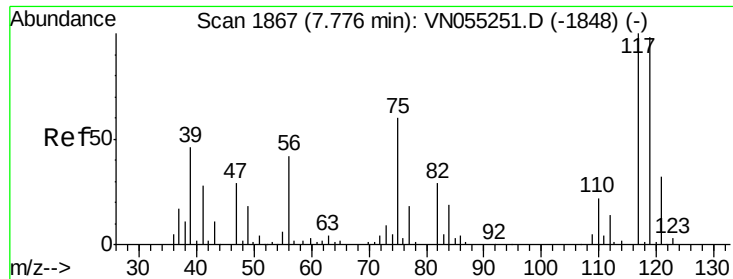
Tot Ion: 77 Resp: 279946
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.6 28.0



#32
 1,1,1-Trichloroethane
 Concen: 51.636 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion: 97 Resp: 327822
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 48.5 38.3 57.5





#33

Carbon Tetrachloride

Concen: 50.120 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

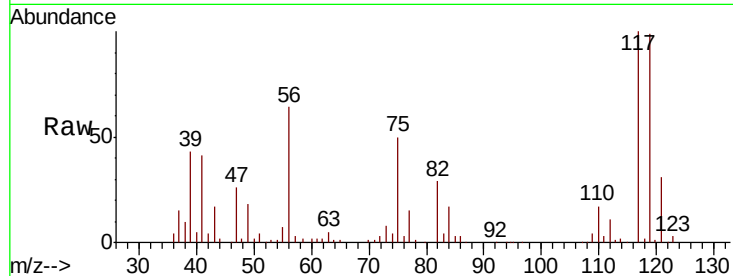
Tot Ion:117 Resp: 272718

Ion Ratio Lower Upper

117 100

119 98.8 78.7 118.1

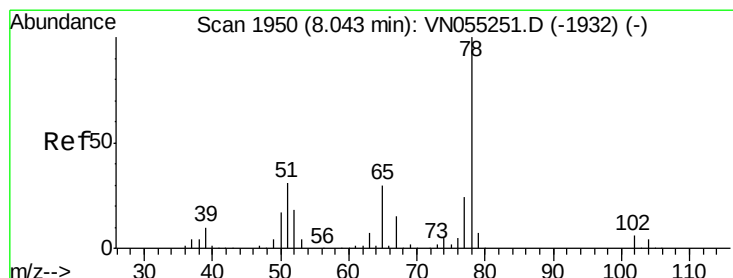
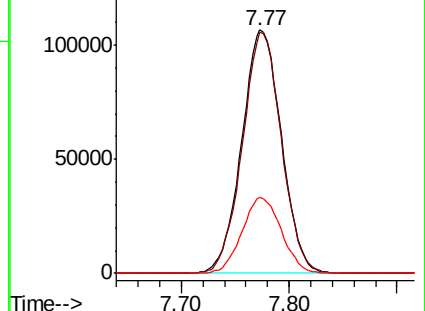
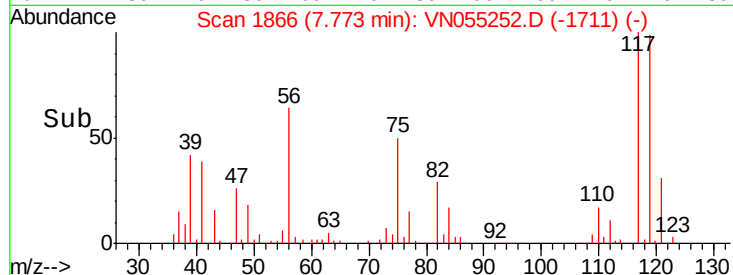
121 31.4 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 49.917 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

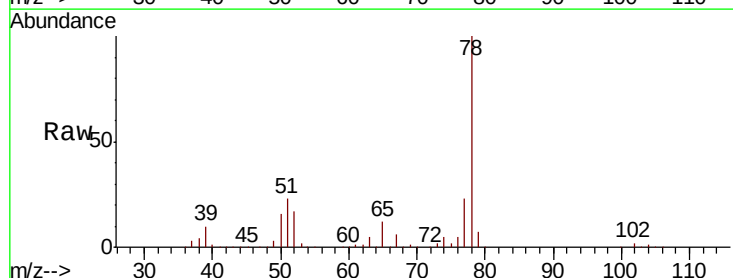
Tgt Ion: 78 Resp: 880142

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7

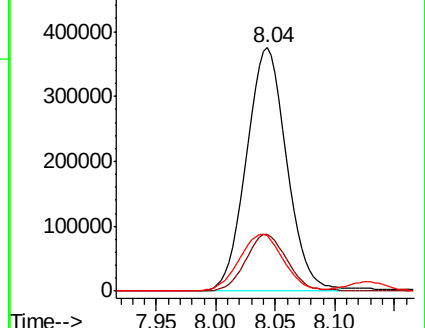
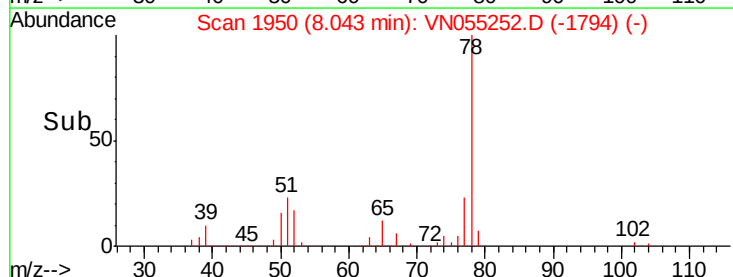
51 22.7 24.5 36.7#

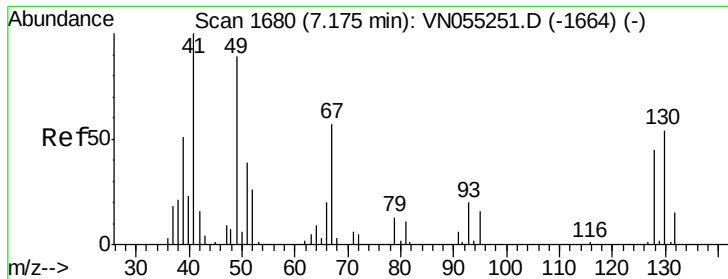


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

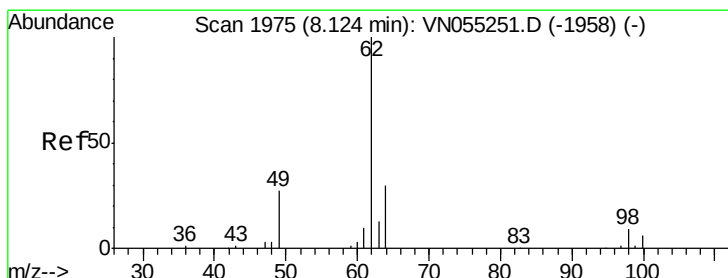
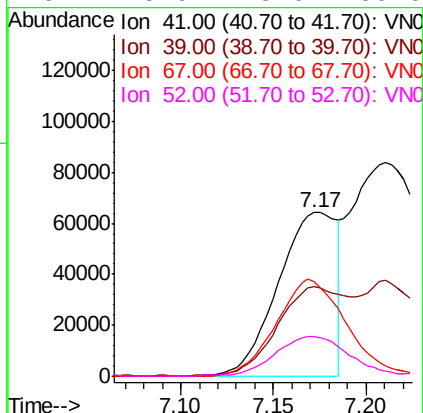
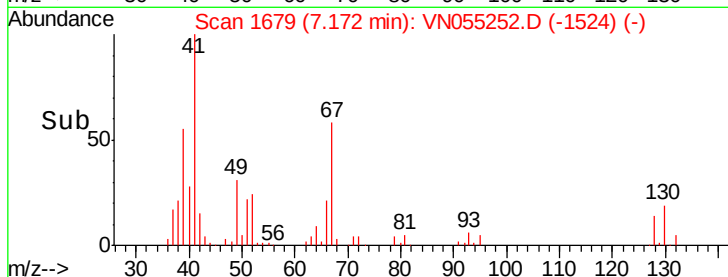
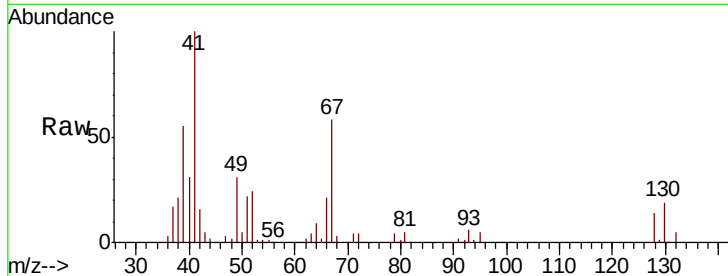




#35
Methacrylonitrile
Concen: 56.819 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

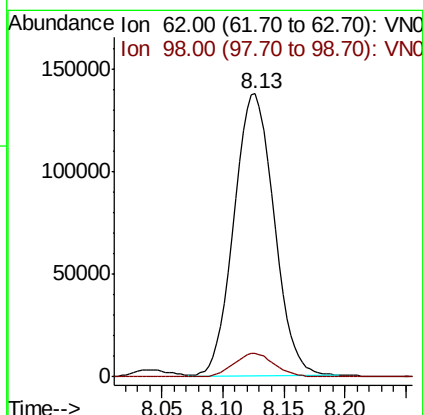
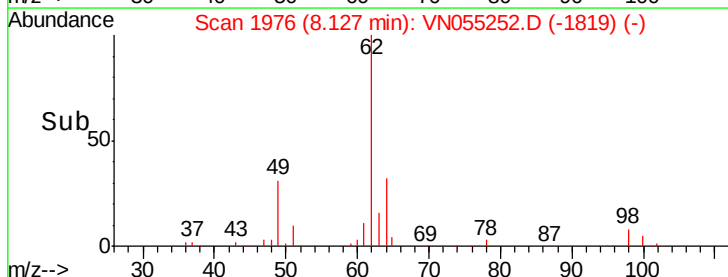
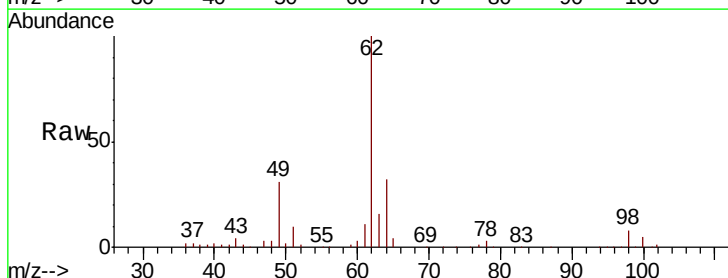
Instrument :
MSVOA_N
ClientSampleID :
VSTDIC050

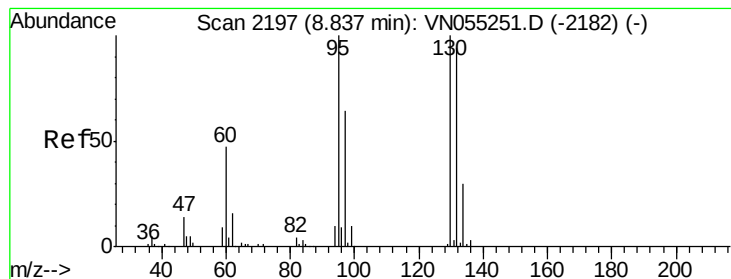
Tot Ion: 41 Resp: 141042
Ion Ratio Lower Upper
41 100
39 54.7 25.3 75.8
67 57.6 28.7 86.1
52 23.9 13.0 39.0



#36
1,2-Dichloroethane
Concen: 51.728 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 62 Resp: 314648
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2





#37

Trichloroethene

Concen: 49.724 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

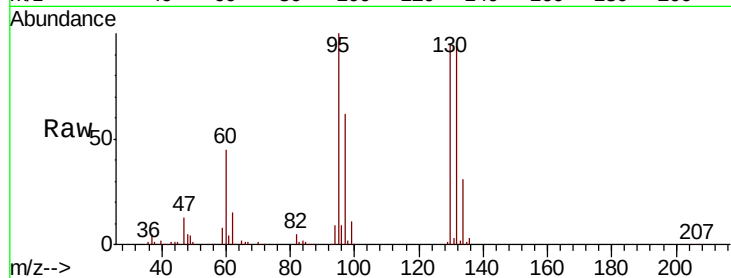
VSTDIC050

Tot Ion:130 Resp: 222167

Ion Ratio Lower Upper

130 100

95 105.0 79.9 119.9



Abundance Ion 129.90 (129.60 to 130.60): VN055251.D (-2182) (-)

Ion 94.90 (94.60 to 95.60): VN055251.D (-2182) (-)

8.84

120000

100000

80000

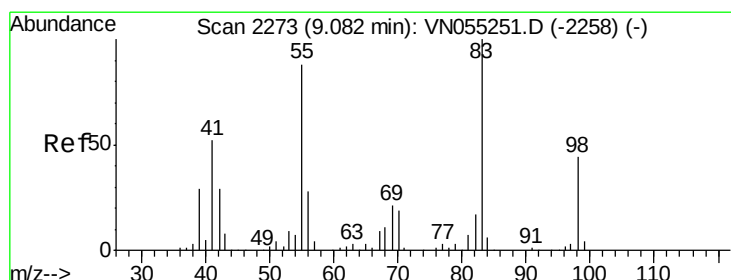
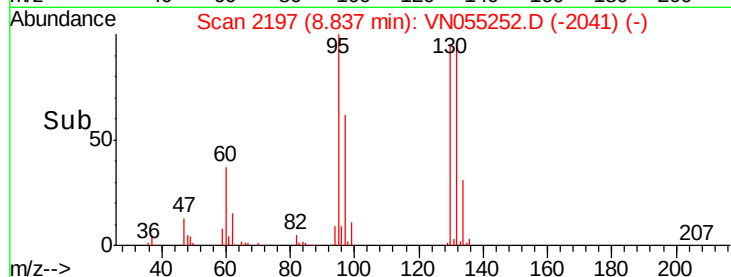
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 46.910 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

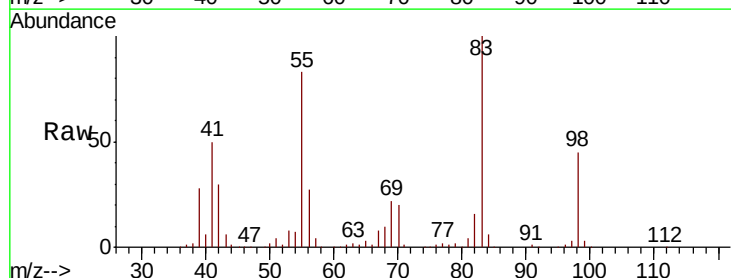
Tgt Ion: 83 Resp: 316086

Ion Ratio Lower Upper

83 100

55 83.9 43.8 131.4

98 44.6 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VN055251.D (-2258) (-)

Ion 55.00 (54.70 to 55.70): VN055251.D (-2258) (-)

Ion 98.00 (97.70 to 98.70): VN055251.D (-2258) (-)

9.08

200000

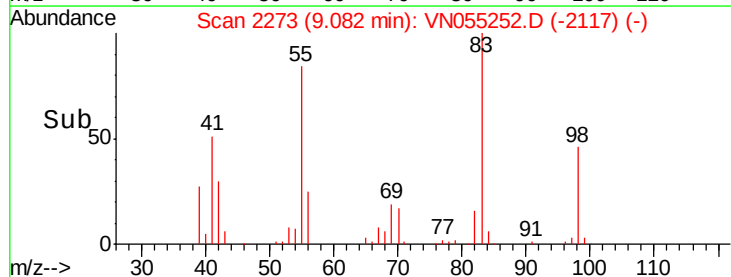
150000

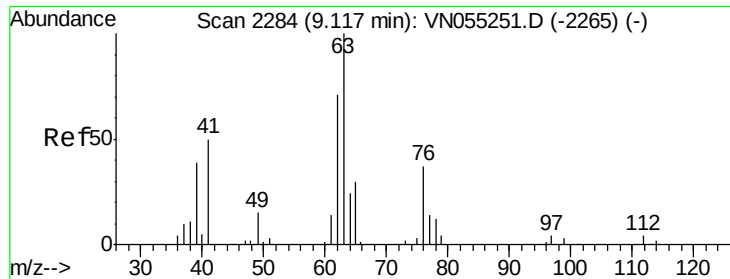
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 51.794 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

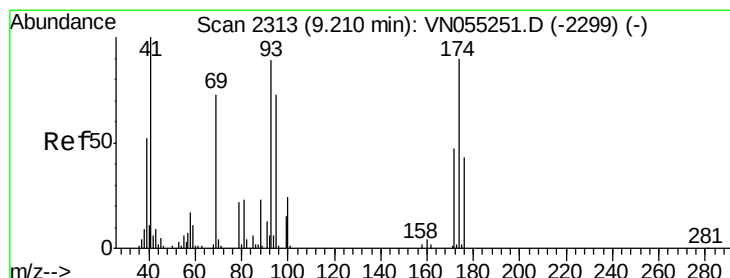
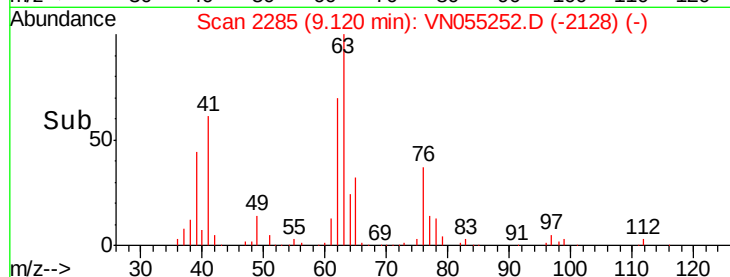
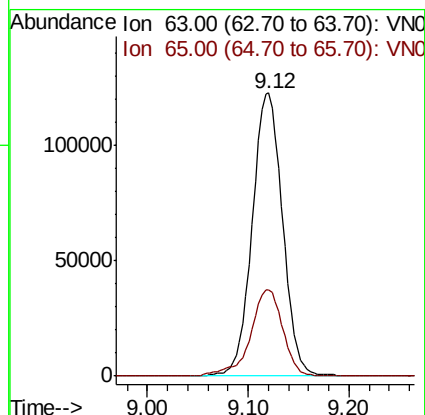
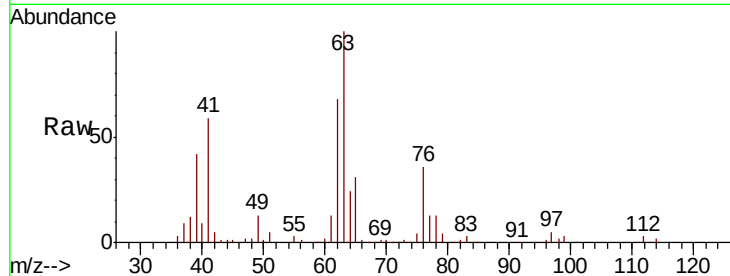
VSTDIC050

Tot Ion: 63 Resp: 254783

Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8



#40

Dibromomethane

Concen: 51.816 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

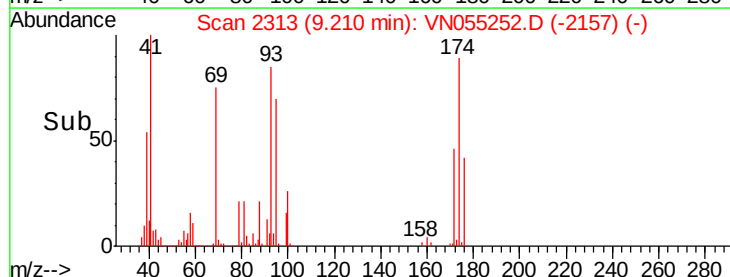
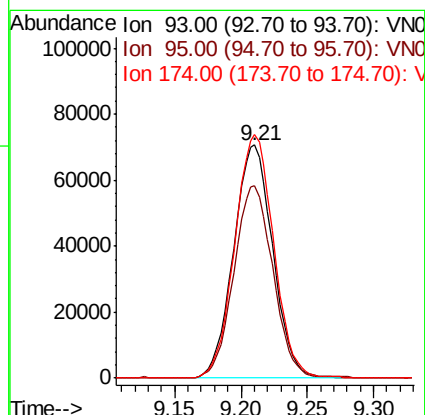
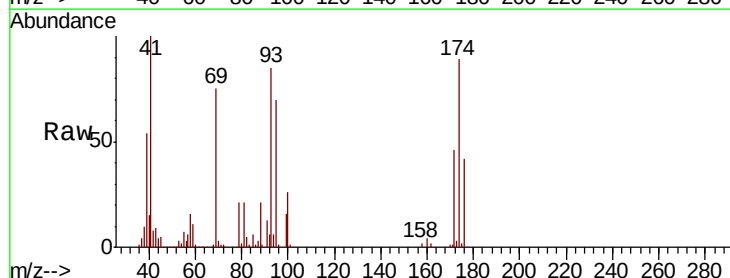
Tgt Ion: 93 Resp: 144887

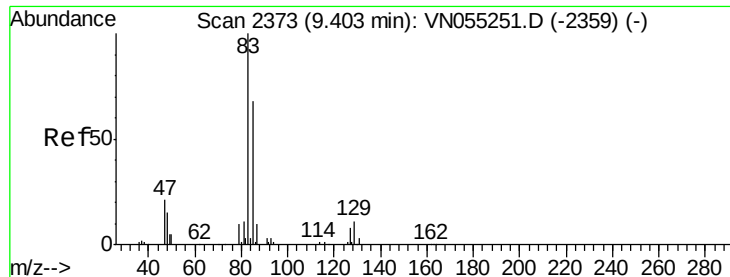
Ion Ratio Lower Upper

93 100

95 82.3 0.0 164.8

174 104.0 0.0 203.4





#41

Bromodichloromethane

Concen: 52.091 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

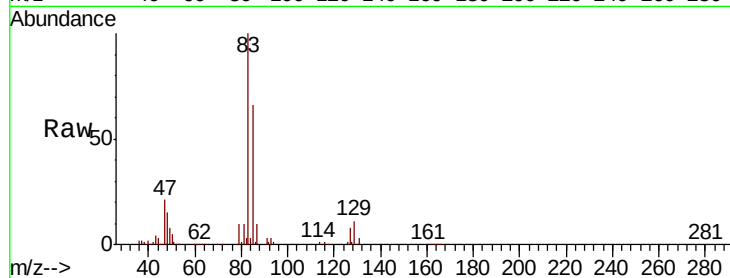
Tot Ion: 83 Resp: 298708

Ion Ratio Lower Upper

83 100

85 65.5 54.5 81.7

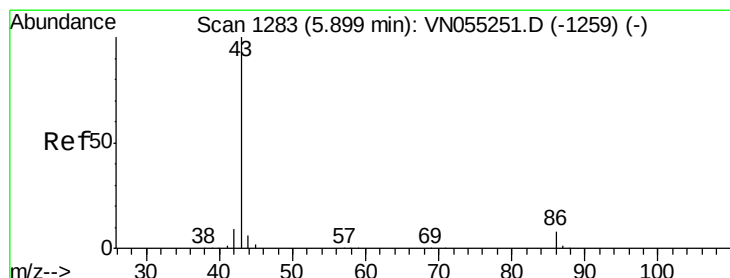
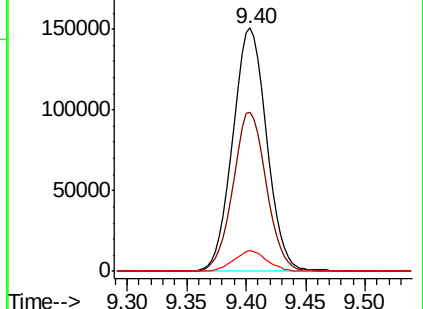
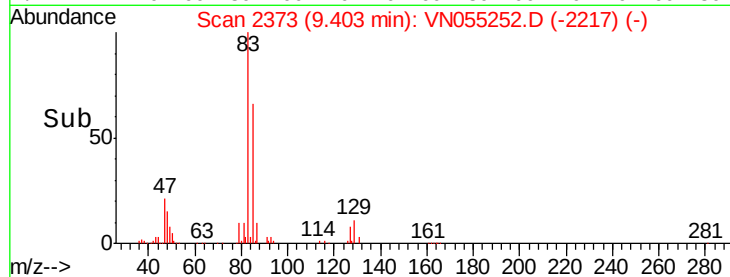
127 8.4 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN055252.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN055252.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN055252.D (-2217) (-)



#42

Vinyl Acetate

Concen: 282.083 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055252.D

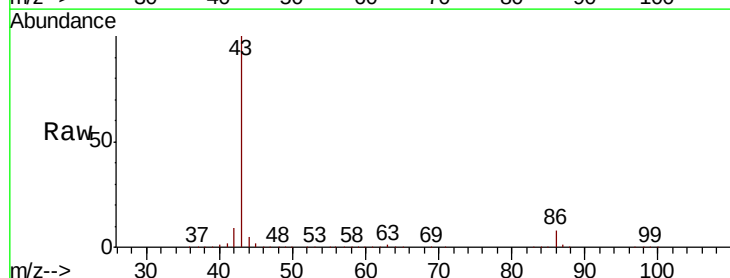
Acq: 25 Apr 2019 18:50

Tgt Ion: 43 Resp: 2911805

Ion Ratio Lower Upper

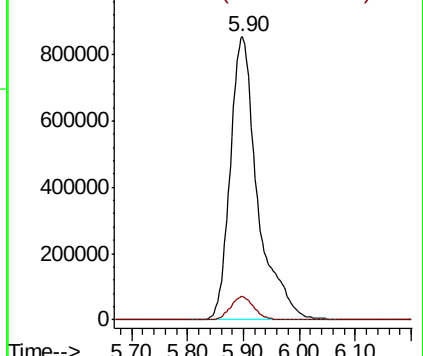
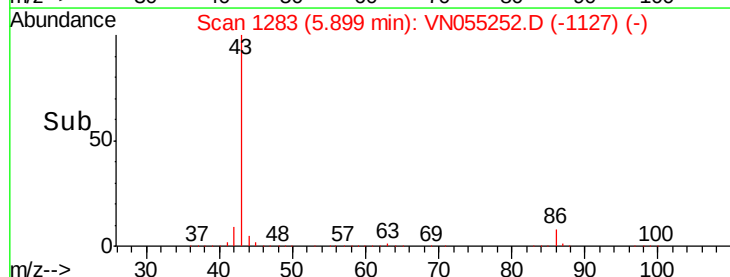
43 100

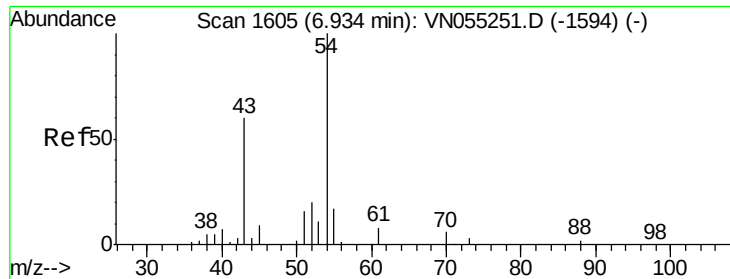
86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN055252.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055252.D (-1127) (-)





#43

Ethyl Acetate

Concen: 56.638 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

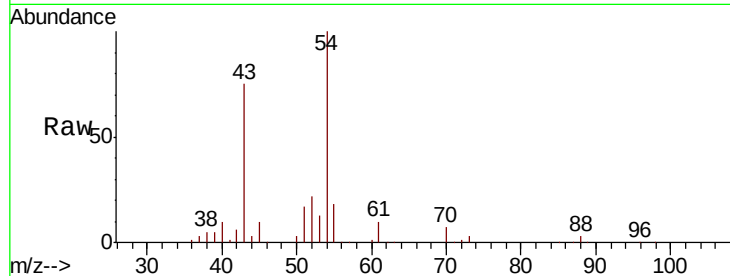
VSTDIC050

Tot Ion: 43 Resp: 244275

Ion Ratio Lower Upper

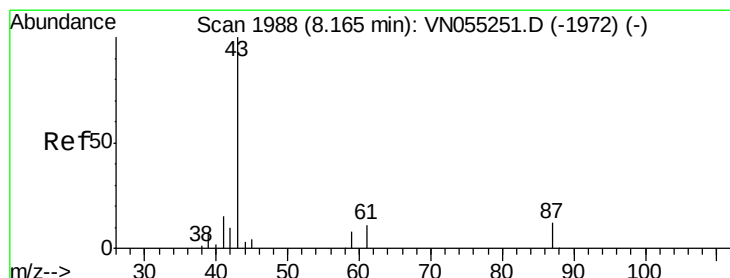
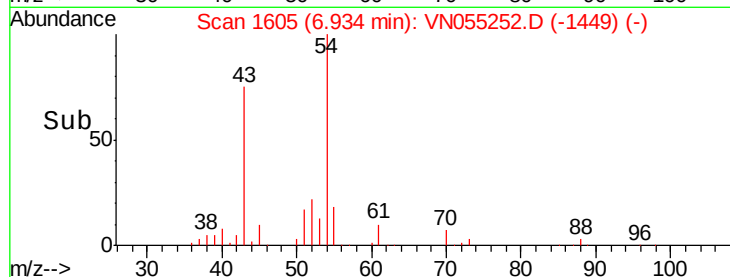
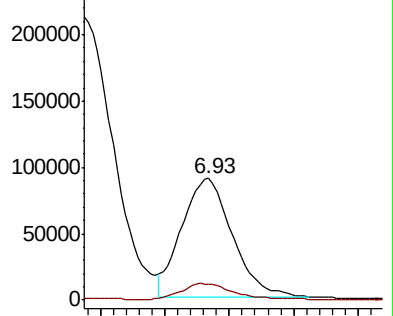
43 100

45 13.8 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 60.720 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055252.D

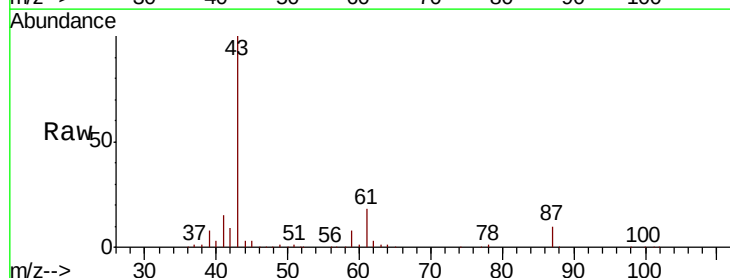
Acq: 25 Apr 2019 18:50

Tgt Ion: 43 Resp: 450387

Ion Ratio Lower Upper

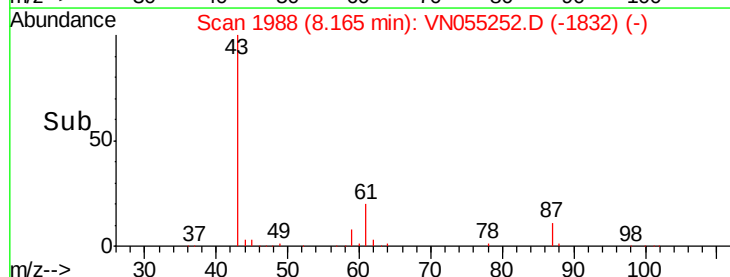
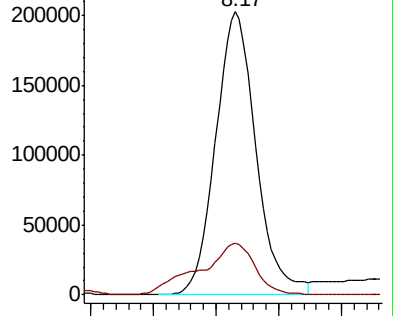
43 100

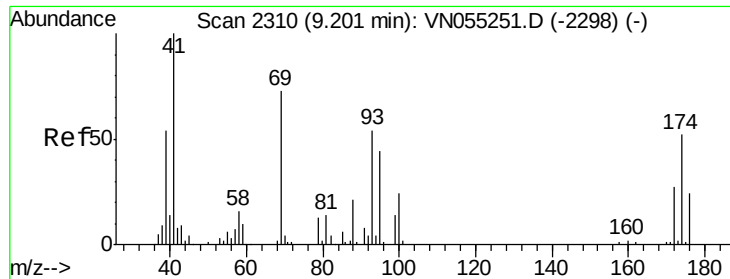
61 25.3 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 1159.664 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

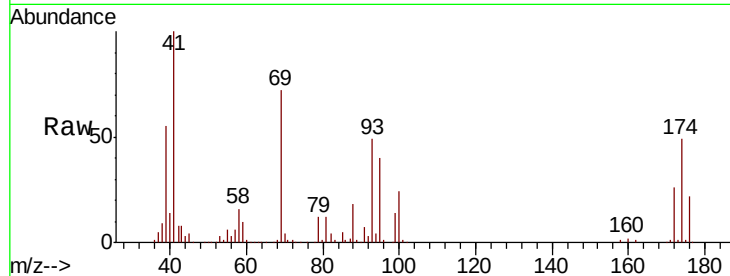
Tot Ion: 88 Resp: 46478

Ion Ratio Lower Upper

88 100

43 42.5 29.4 44.0

58 80.2 62.4 93.6

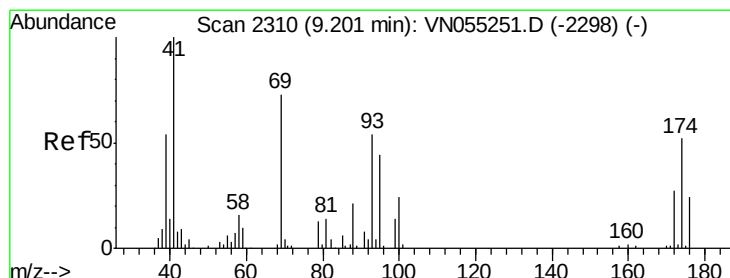
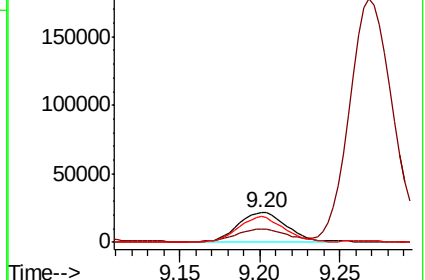
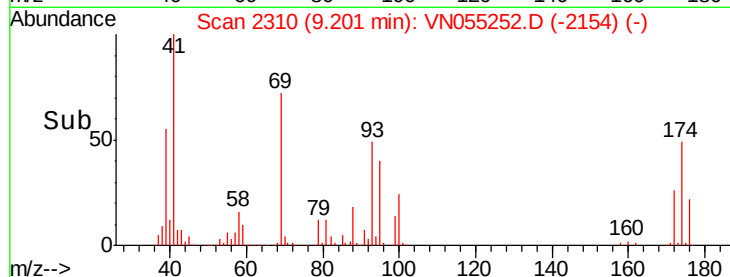


Abundance Ion 88.00 (87.70 to 88.70): VN055252.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN055252.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN055252.D (-2154) (-)

Time-->



#46

Methyl methacrylate

Concen: 58.264 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

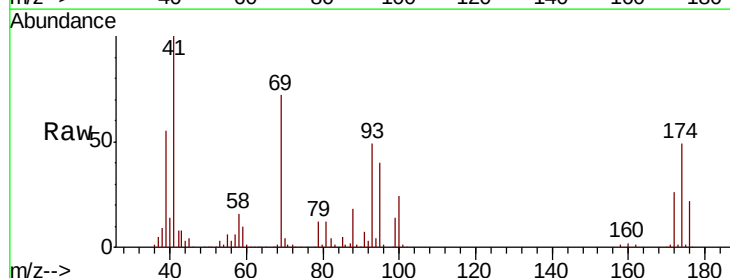
Tgt Ion: 41 Resp: 218341

Ion Ratio Lower Upper

41 100

69 73.3 36.4 109.3

39 54.6 26.9 80.7

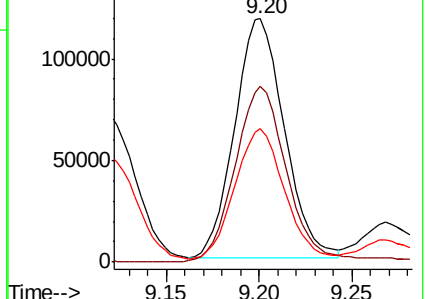
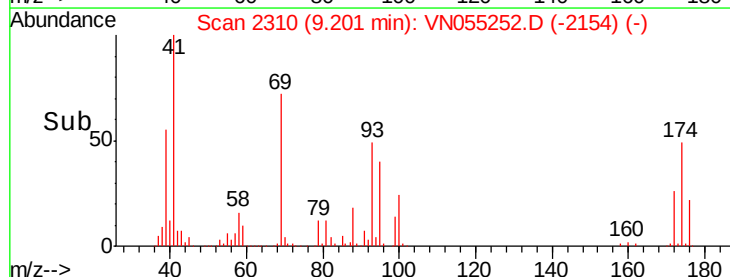


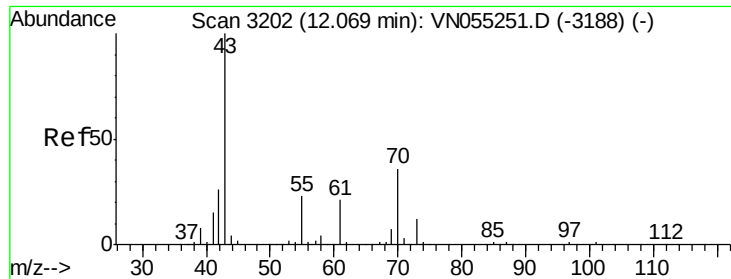
Abundance Ion 41.00 (40.70 to 41.70): VN055252.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN055252.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN055252.D (-2154) (-)

Time-->





#47

n-amyl Acetate

Concen: 63.580 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

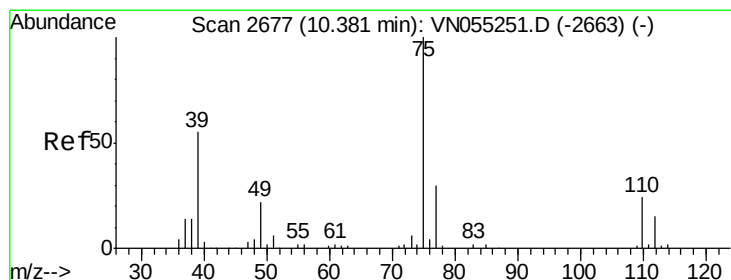
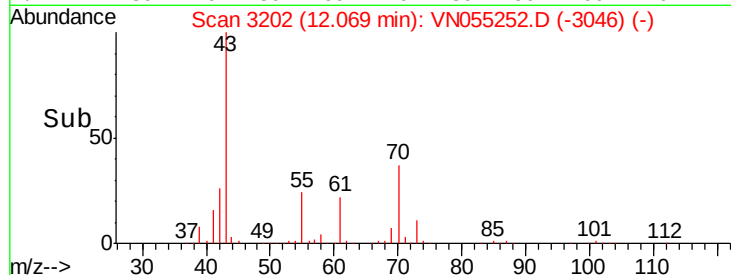
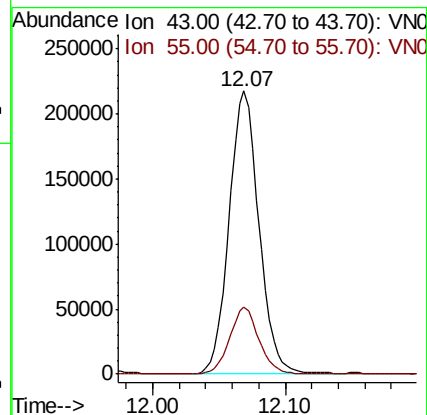
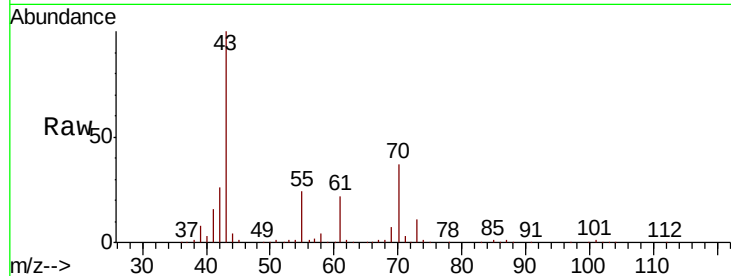
VSTDIC050

Tot Ion: 43 Resp: 338009

Ion Ratio Lower Upper

43 100

55 23.4 18.1 27.1



#48

t-1,3-Dichloropropene

Concen: 55.916 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055252.D

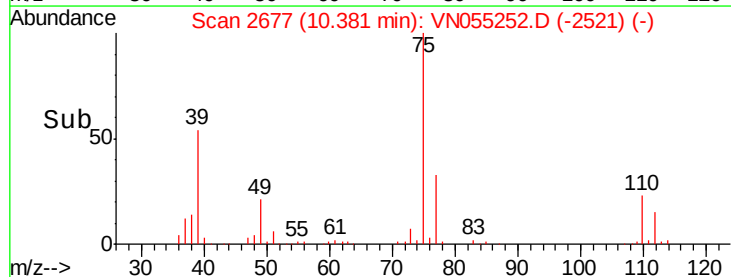
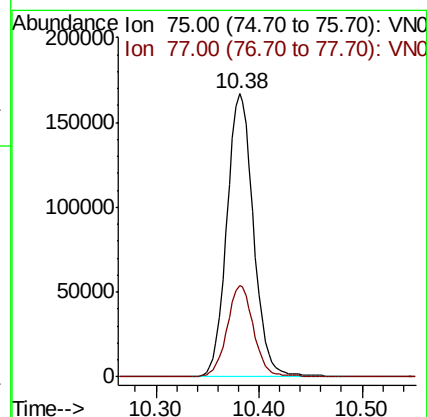
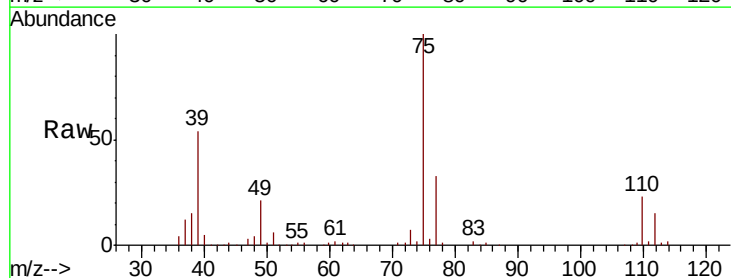
Acq: 25 Apr 2019 18:50

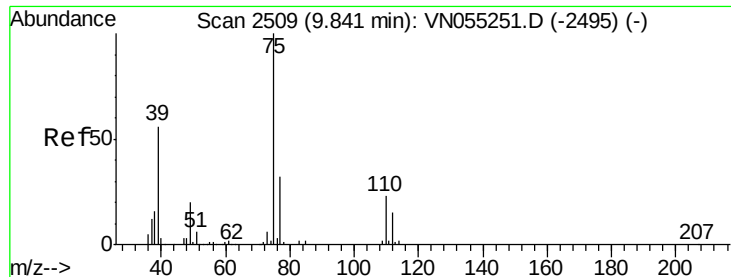
Tgt Ion: 75 Resp: 301380

Ion Ratio Lower Upper

75 100

77 32.4 23.9 35.9



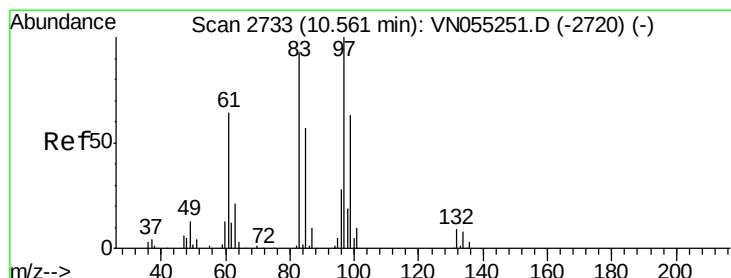
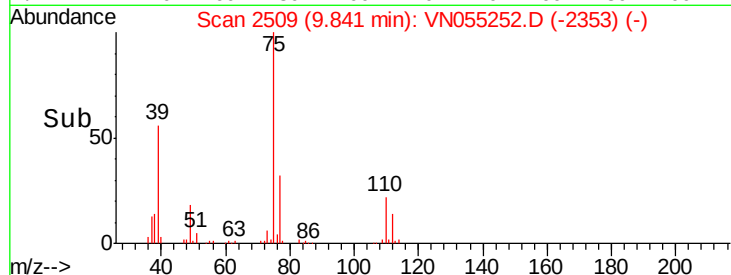
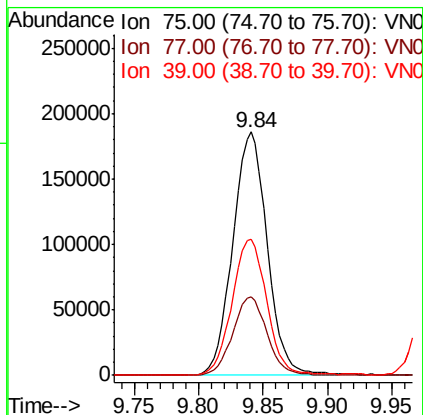
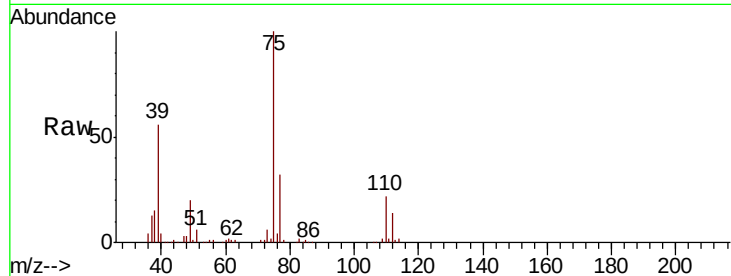


#49

cis-1,3-Dichloropropene
 Concen: 52.909 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

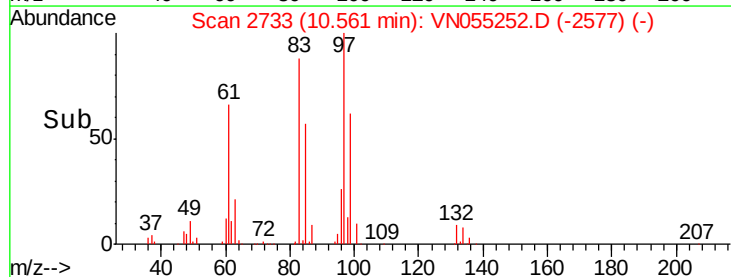
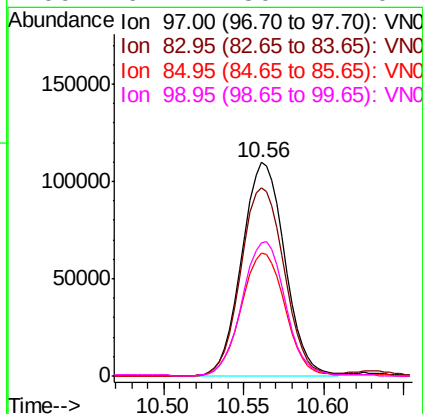
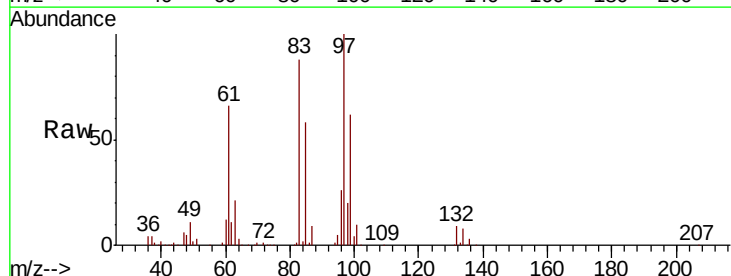
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.9	38.9
39	55.9	45.0	67.6

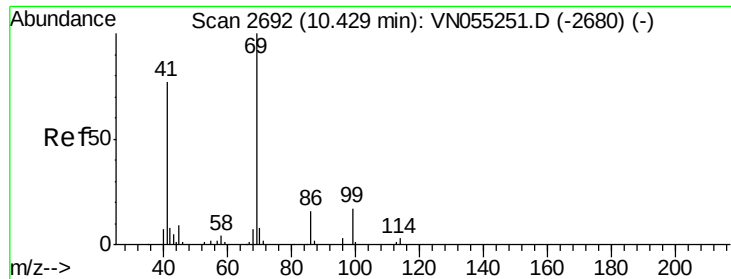


#50

1,1,2-Trichloroethane
 Concen: 53.012 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	74.6	111.8
85	57.6	45.4	68.2
99	62.1	50.7	76.1





#51

Ethyl methacrylate

Concen: 58.475 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

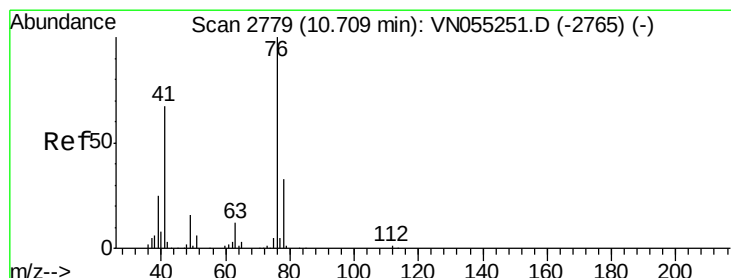
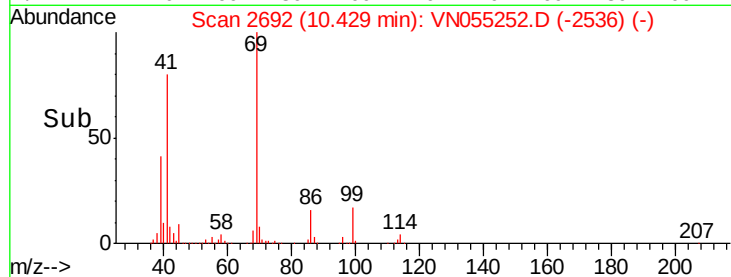
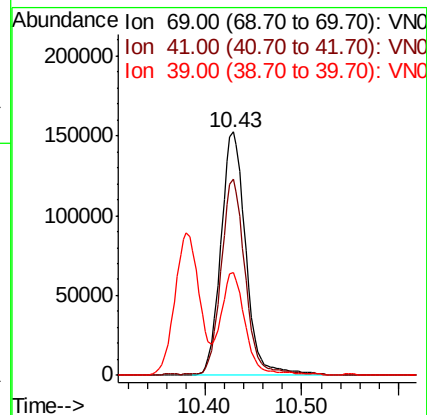
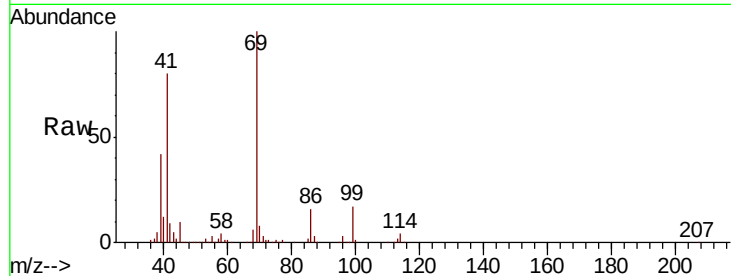
Tot Ion: 69 Resp: 272890

Ion Ratio Lower Upper

69 100

41 80.2 38.7 116.1

39 41.6 19.9 59.6



#52

1,3-Dichloropropane

Concen: 53.148 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055252.D

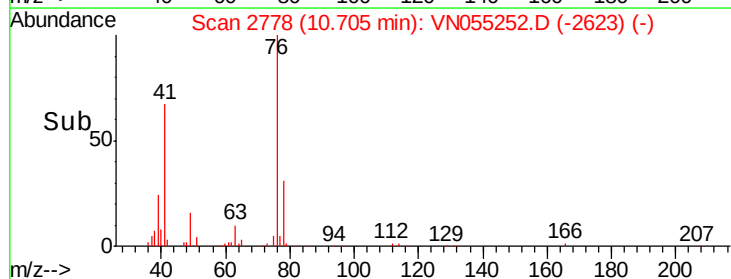
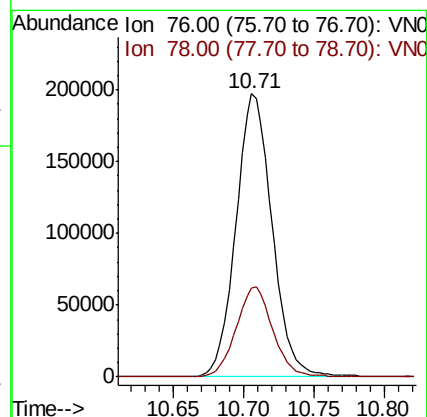
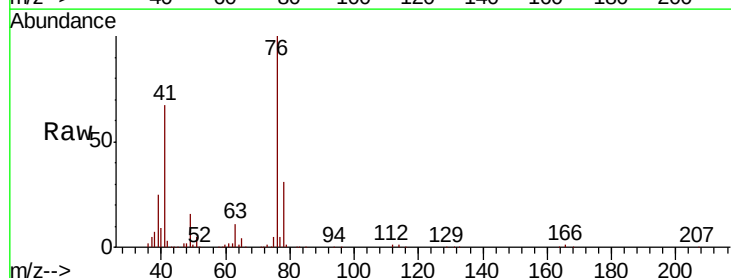
Acq: 25 Apr 2019 18:50

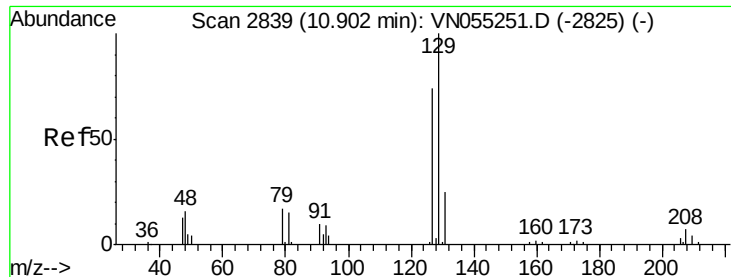
Tgt Ion: 76 Resp: 353768

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.0

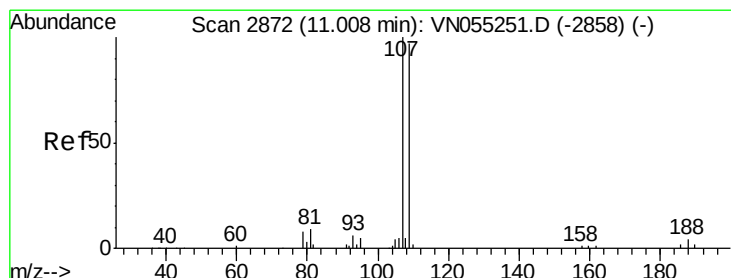
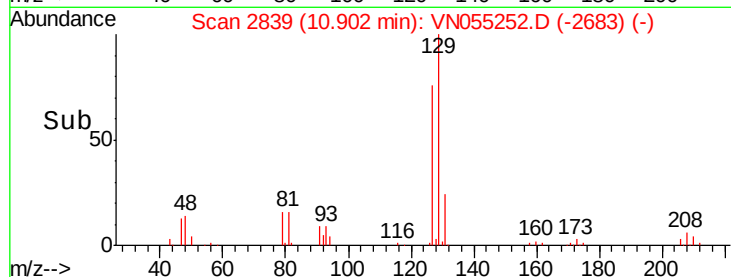
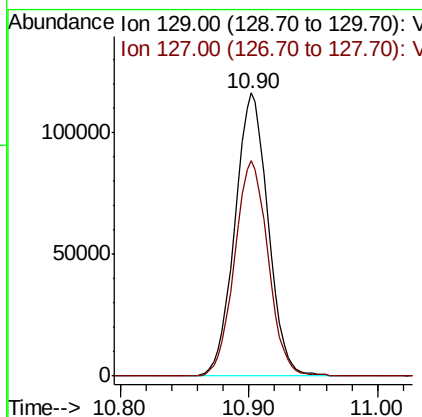
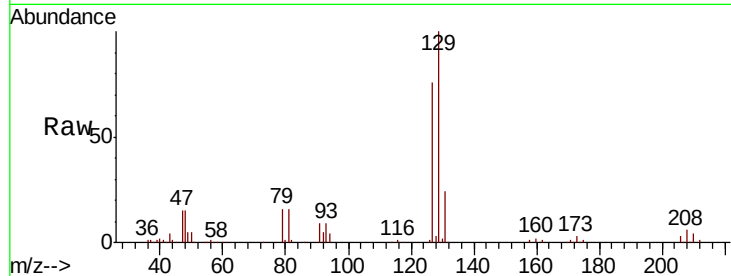




#53
Dibromochloromethane
Concen: 53.004 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

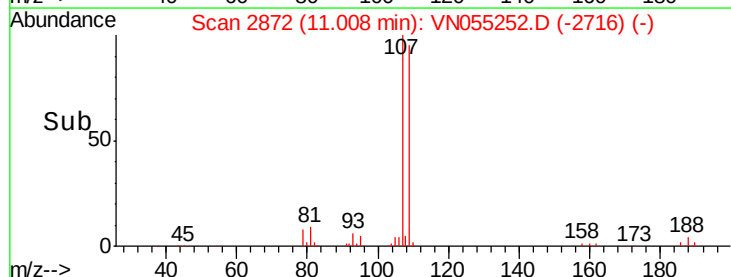
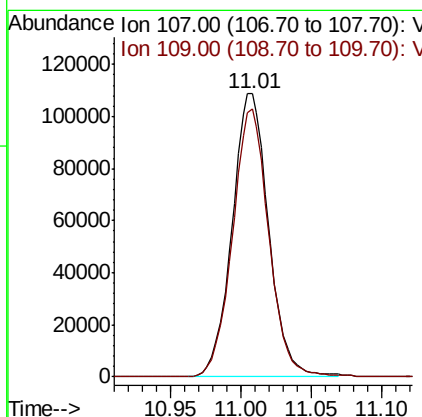
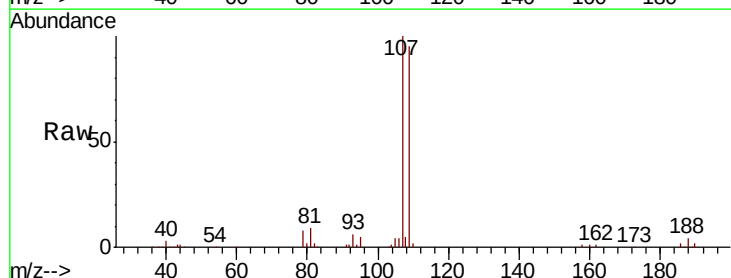
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

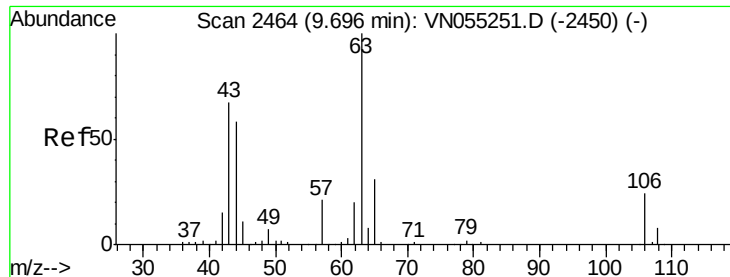
Tot Ion:129 Resp: 207876
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3



#54
1,2-Dibromoethane
Concen: 54.754 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion:107 Resp: 197273
Ion Ratio Lower Upper
107 100
109 94.2 75.2 112.8

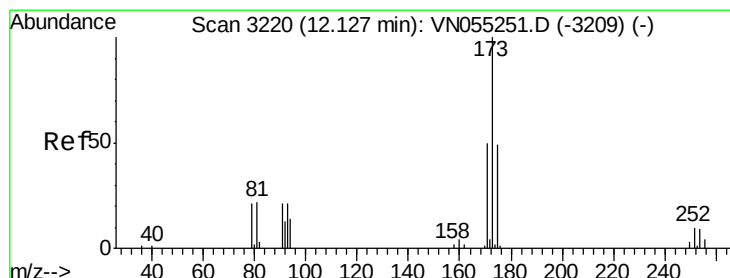
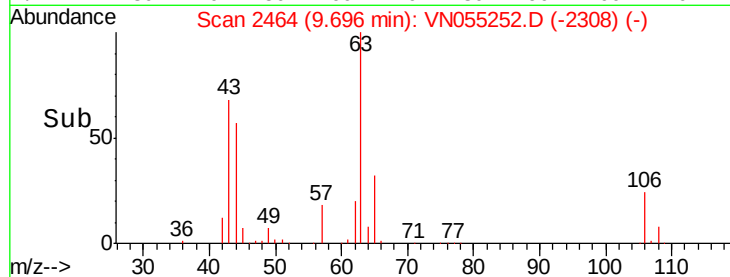
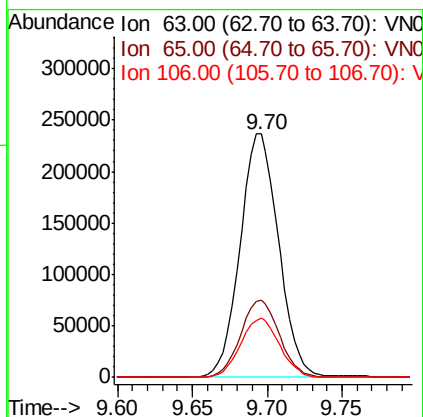
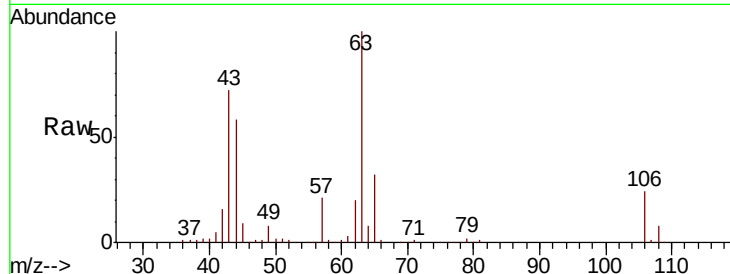




#55
2-Chloroethyl vinyl ether
Concen: 235.896 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

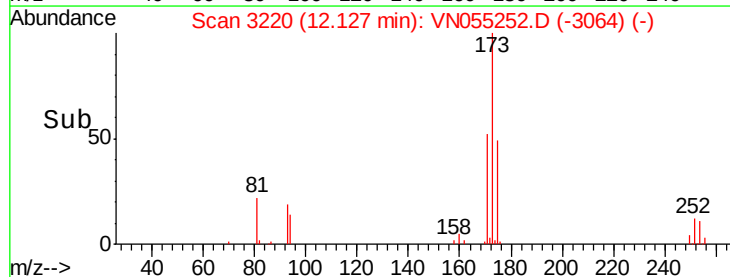
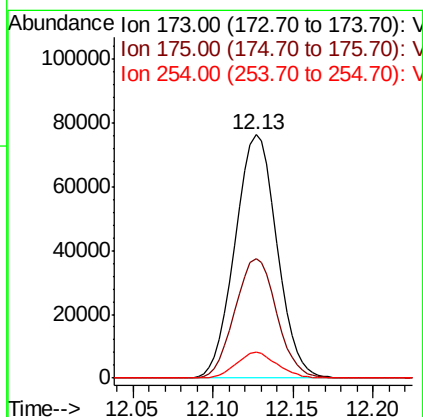
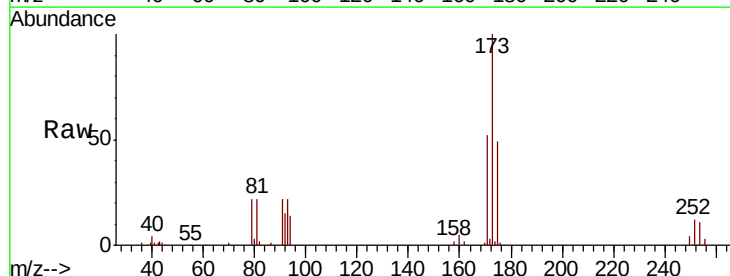
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

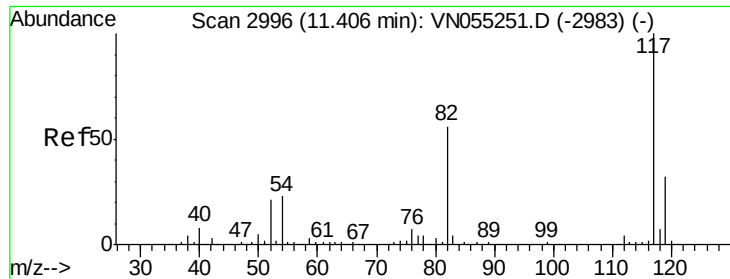
Tot Ion: 63 Resp: 424757
Ion Ratio Lower Upper
63 100
65 31.8 25.1 37.7
106 24.5 19.4 29.0



#56
Bromoform
Concen: 54.464 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 173 Resp: 136752
Ion Ratio Lower Upper
173 100
175 48.8 37.7 56.5
254 10.3 7.8 11.6

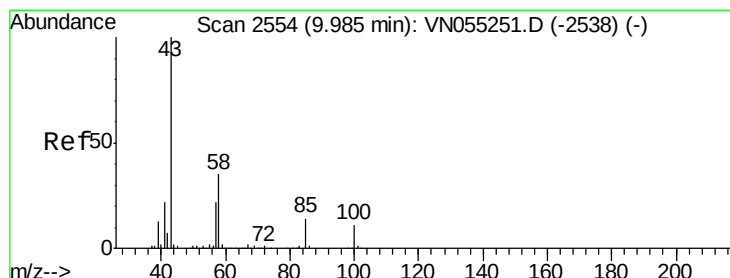
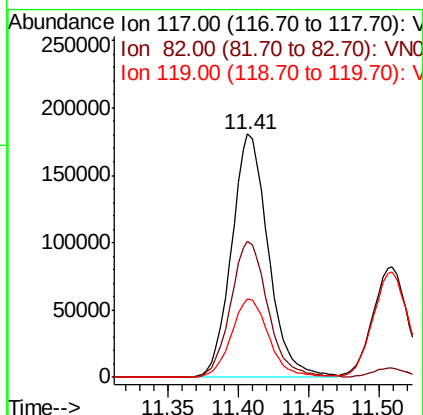
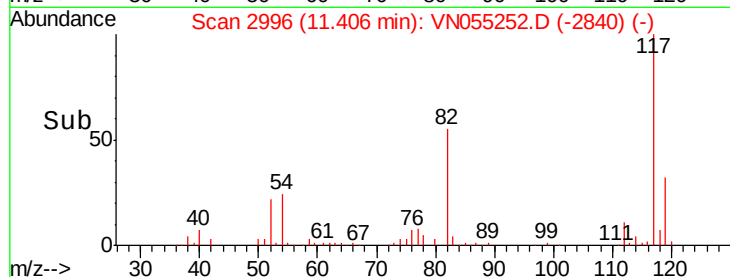
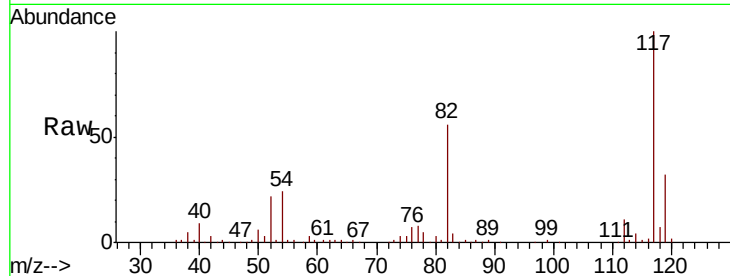




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

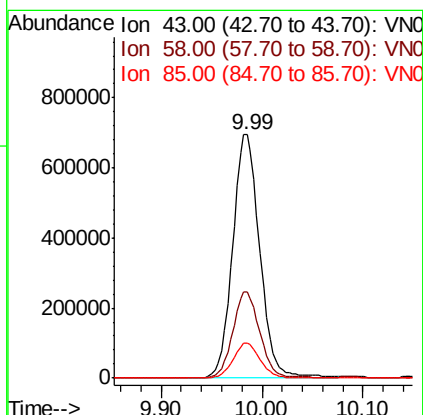
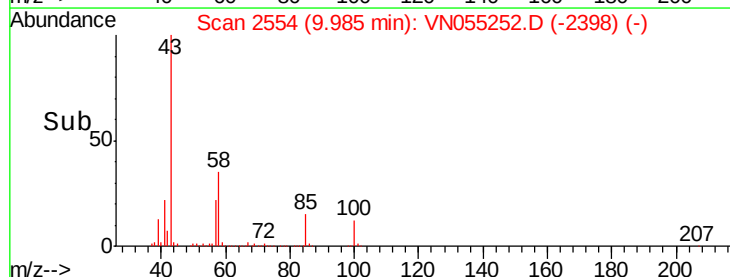
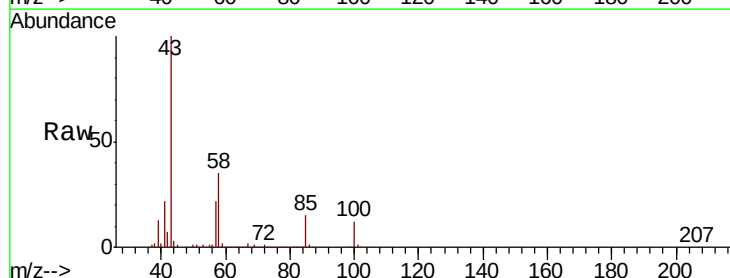
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

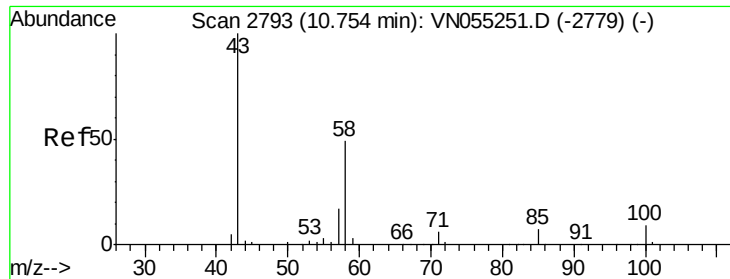
Tot Ion:117 Resp: 330045
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 32.9 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 313.380 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 43 Resp: 1296467
Ion Ratio Lower Upper
43 100
58 35.5 28.6 43.0
85 14.4 11.4 17.2





#59

2-Hexanone

Concen: 313.689 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

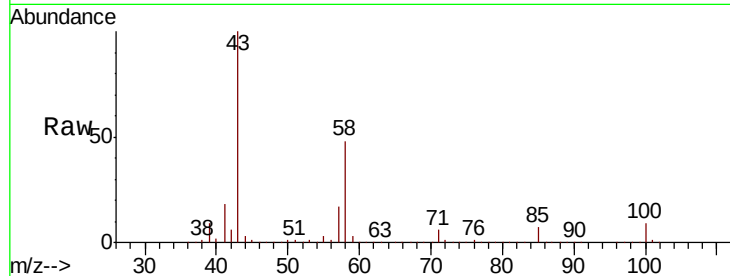
Tot Ion: 43 Resp: 818956

Ion Ratio Lower Upper

43 100

58 49.4 39.0 58.6

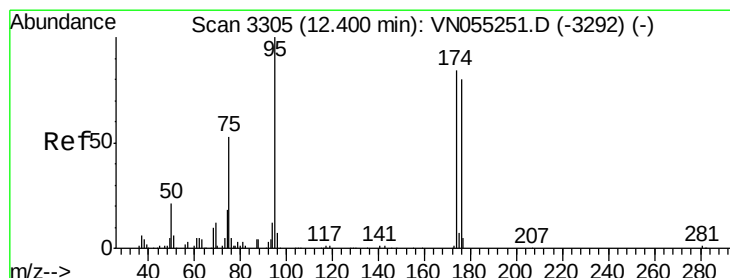
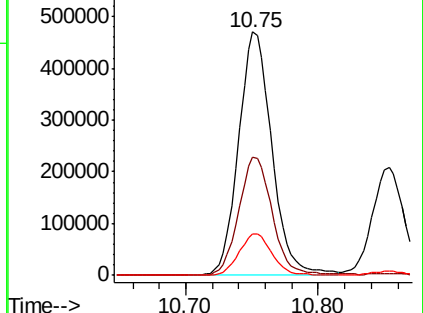
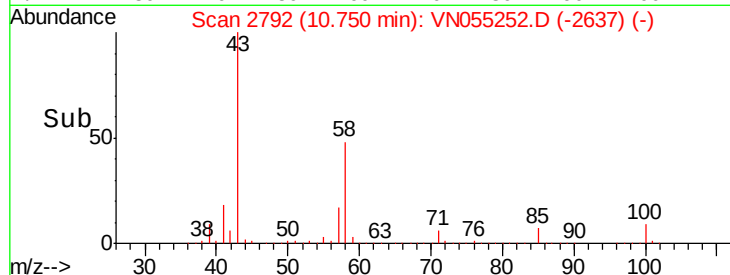
57 17.0 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#60

4-Bromofluorobenzene

Concen: 313.689 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

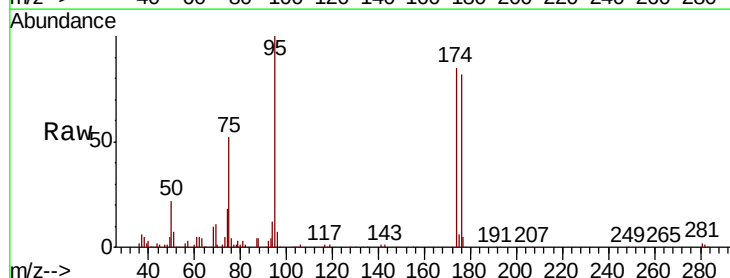
Tgt Ion: 95 Resp: 154988

Ion Ratio Lower Upper

95 100

174 85.2 68.1 102.1

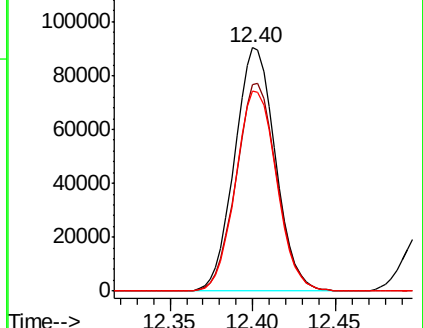
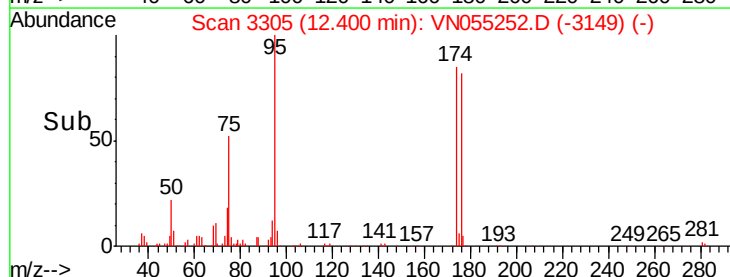
176 82.7 65.8 98.6

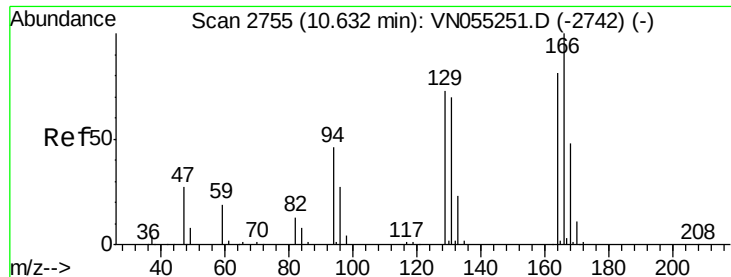


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 48.378 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 209606

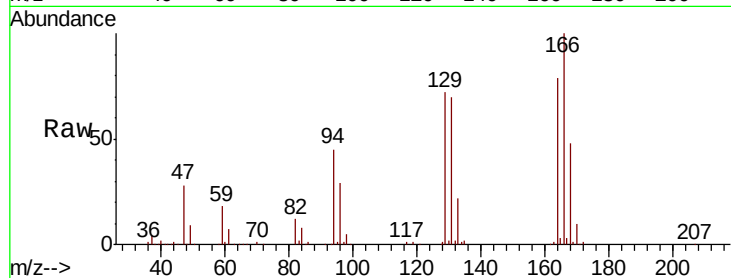
Ion Ratio Lower Upper

164 100

166 127.3 98.6 147.8

129 92.2 72.4 108.6

131 89.3 69.2 103.8

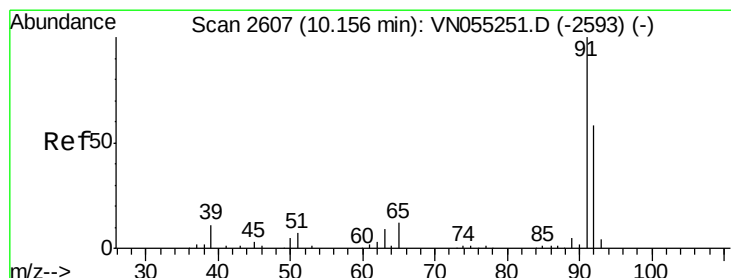
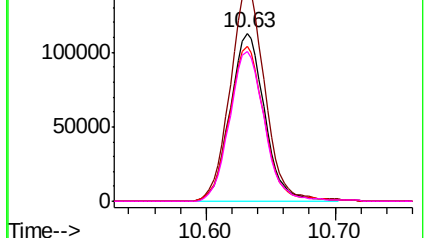
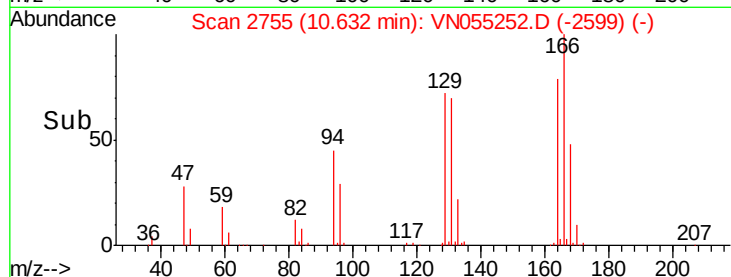


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 50.267 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055252.D

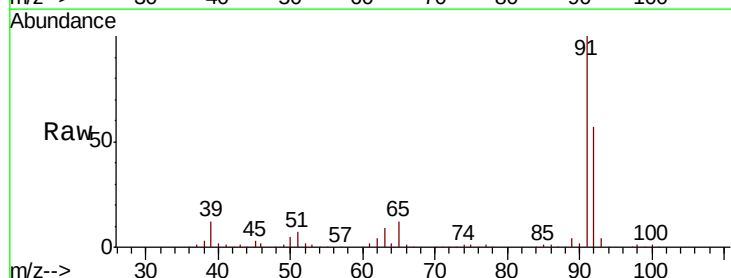
Acq: 25 Apr 2019 18:50

Tgt Ion: 91 Resp: 924076

Ion Ratio Lower Upper

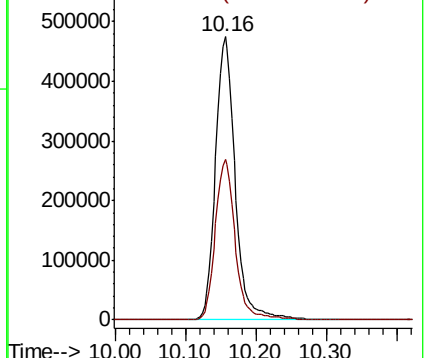
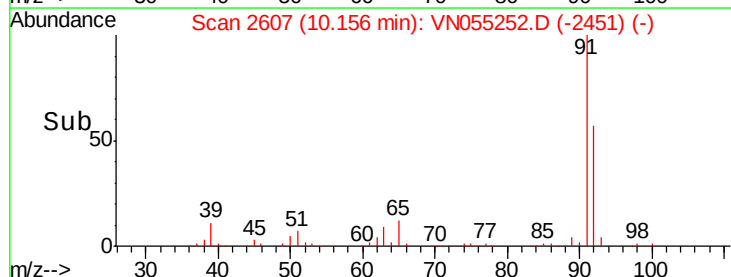
91 100

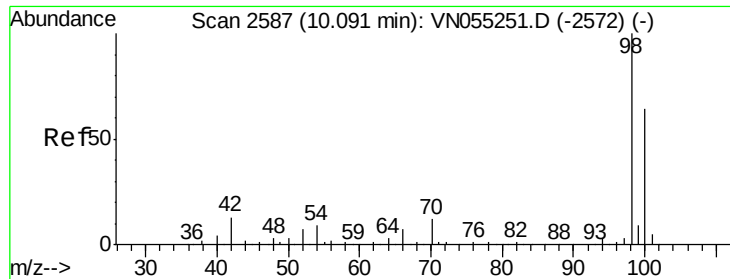
92 57.3 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 50.267 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

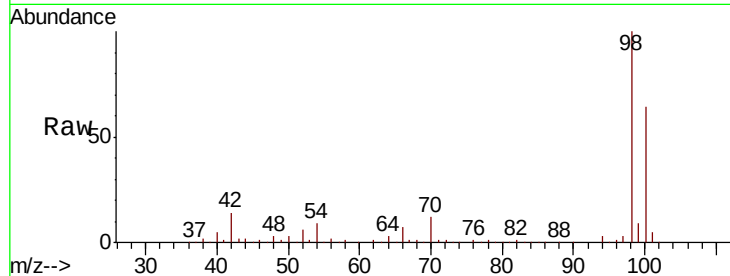
VSTDIC050

Tot Ion: 98 Resp: 472397

Ion Ratio Lower Upper

98 100

100 62.6 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN055251.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055251.D (-2572) (-)

10.09

250000

200000

150000

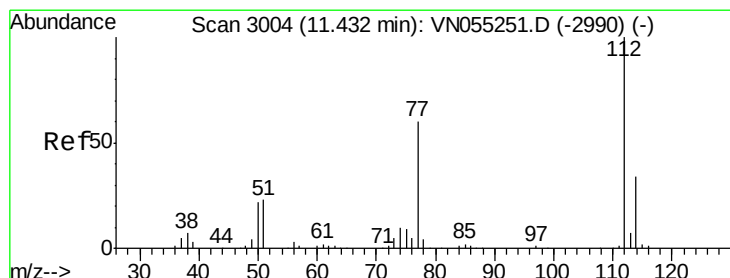
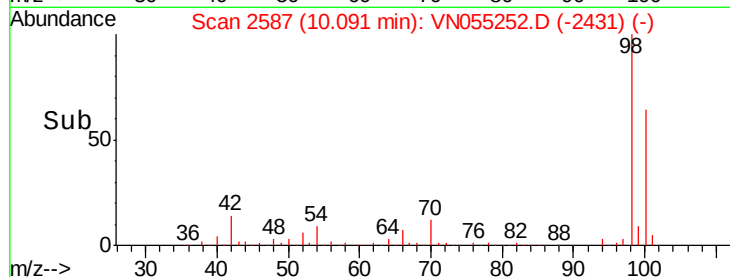
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 50.434 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055252.D

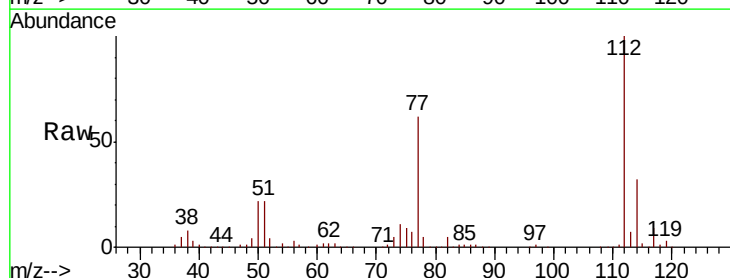
Acq: 25 Apr 2019 18:50

Tgt Ion: 112 Resp: 556486

Ion Ratio Lower Upper

112 100

114 31.9 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): VN055251.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN055251.D (-2990) (-)

11.43

300000

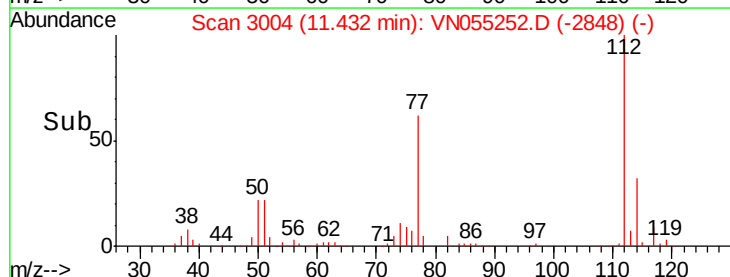
200000

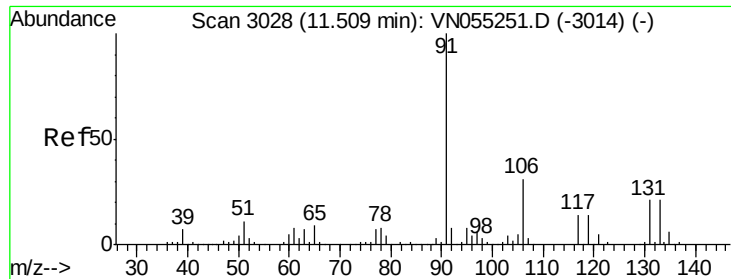
100000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 51.485 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

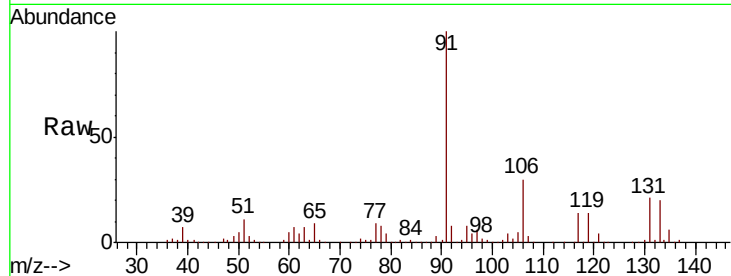
Tot Ion:131 Resp: 204888

Ion Ratio Lower Upper

131 100

133 96.8 0.0 195.6

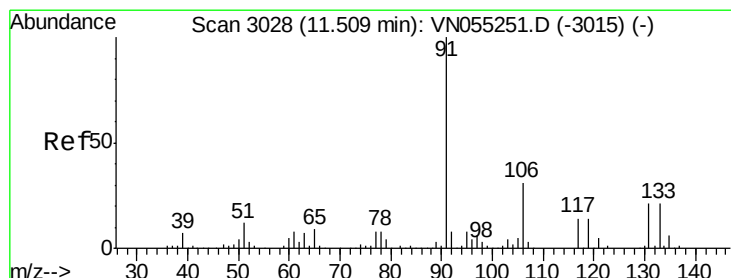
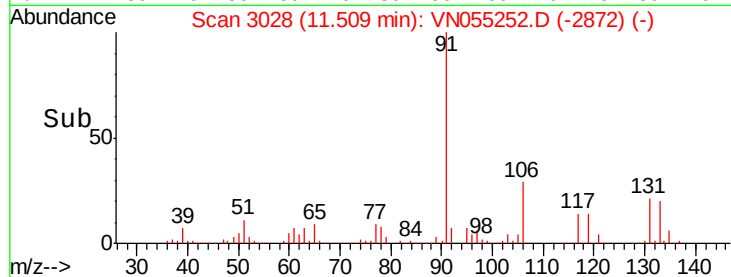
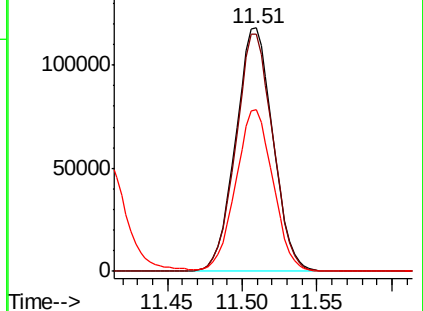
119 66.3 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 50.235 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055252.D

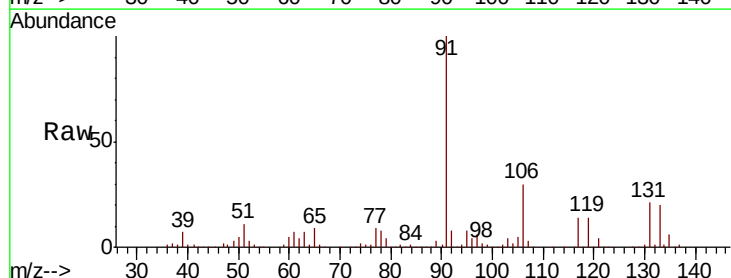
Acq: 25 Apr 2019 18:50

Tgt Ion: 91 Resp: 986757

Ion Ratio Lower Upper

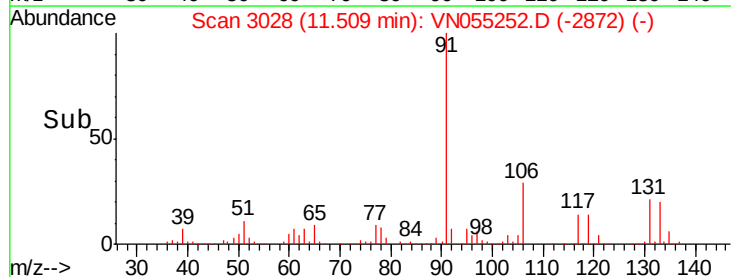
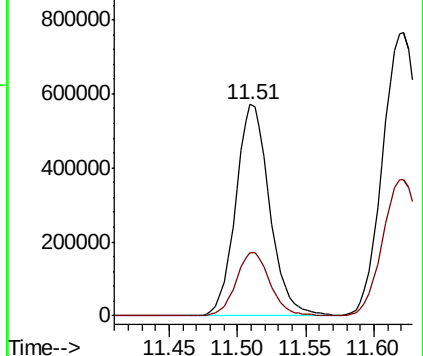
91 100

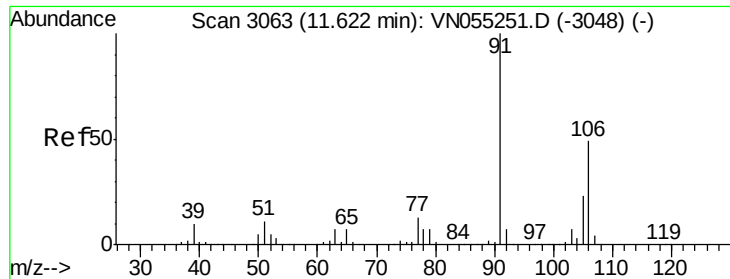
106 30.1 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 101.224 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

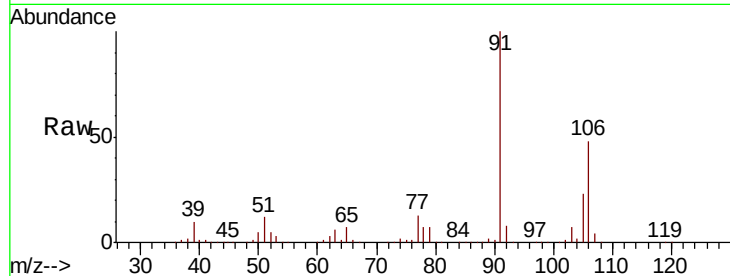
VSTDIC050

Tot Ion:106 Resp: 737615

Ion Ratio Lower Upper

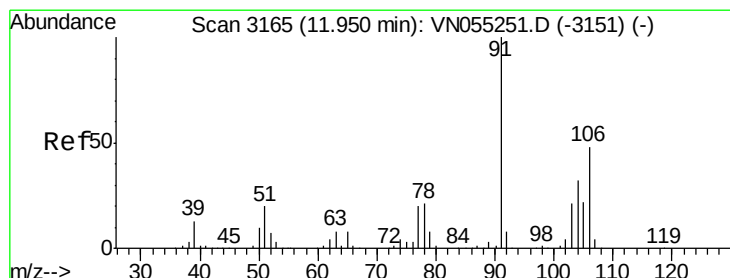
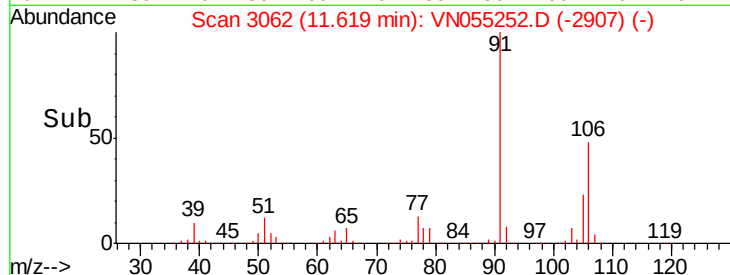
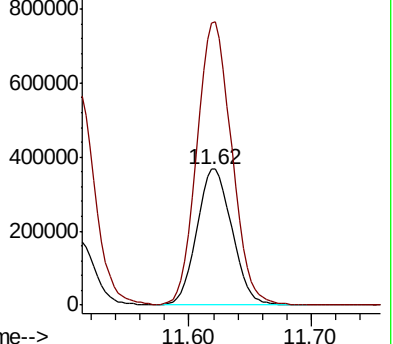
106 100

91 206.0 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 50.568 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055252.D

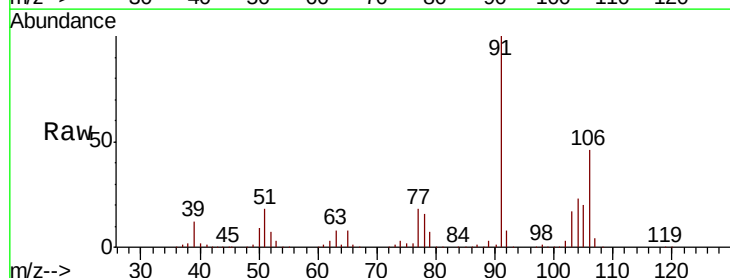
Acq: 25 Apr 2019 18:50

Tgt Ion:106 Resp: 366848

Ion Ratio Lower Upper

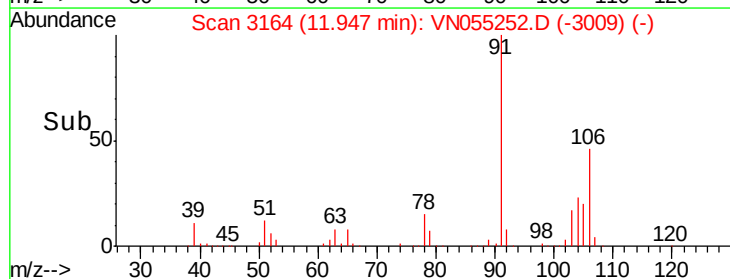
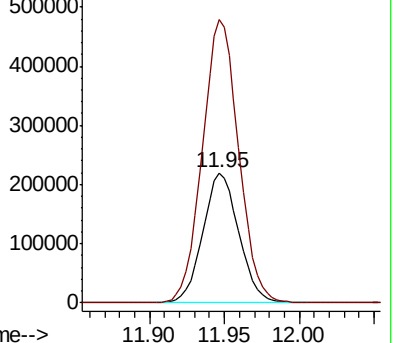
106 100

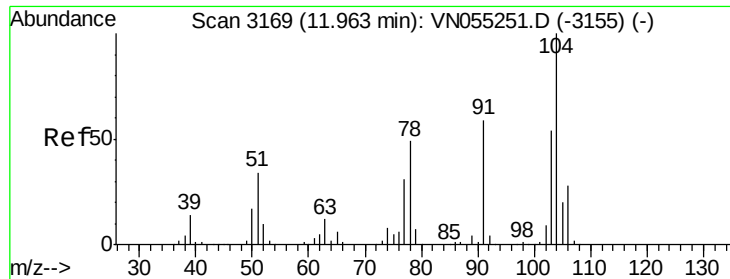
91 219.9 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

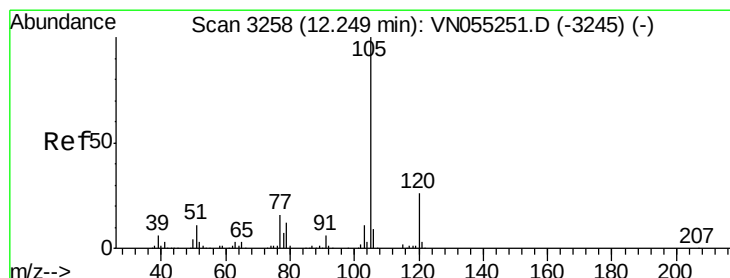
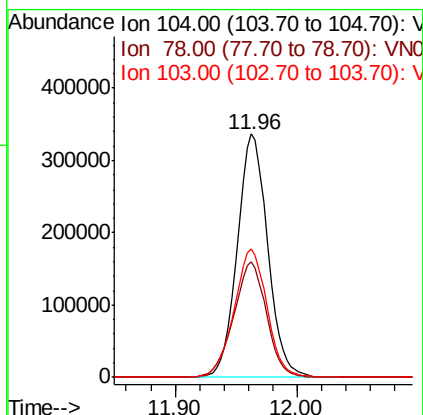
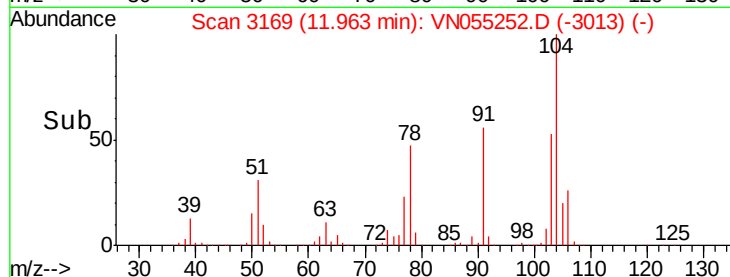
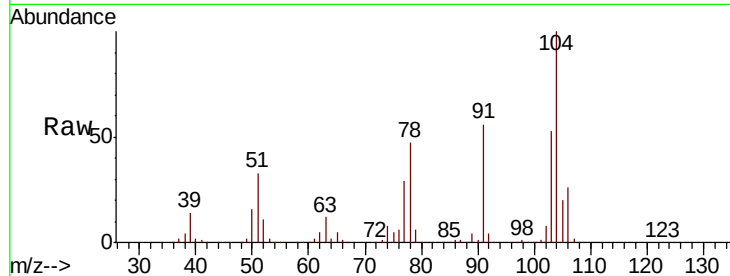




#69
Stvrene
Concen: 51.741 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

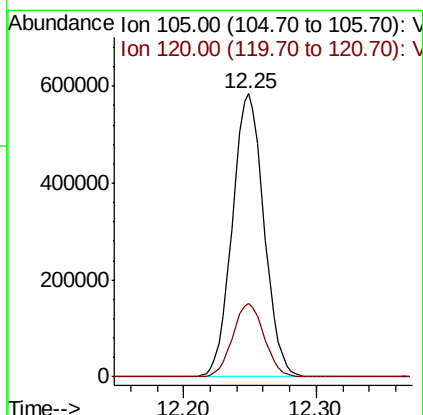
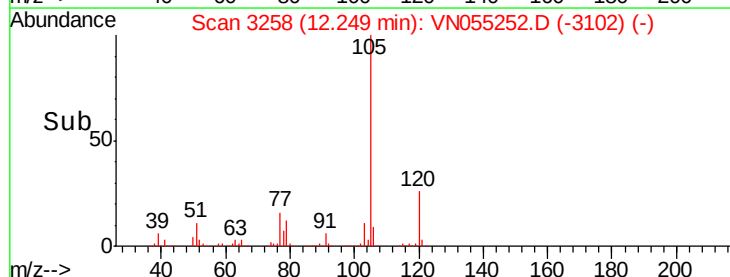
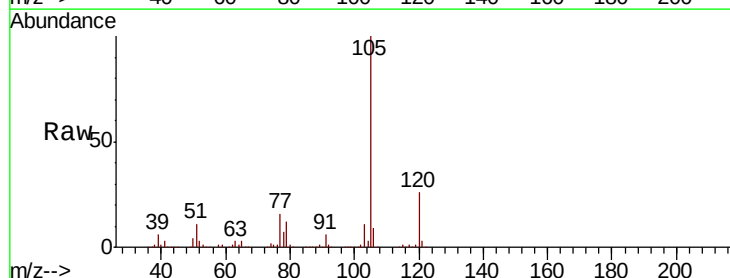
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

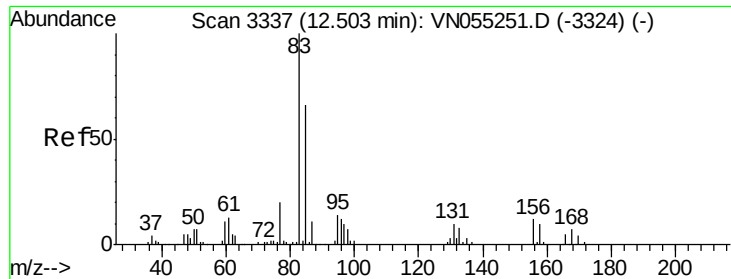
Tot Ion:104 Resp: 578380
Ion Ratio Lower Upper
104 100
78 51.6 42.4 63.6
103 57.2 45.3 67.9



#70
Isopropylbenzene
Concen: 50.245 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion:105 Resp: 967669
Ion Ratio Lower Upper
105 100
120 25.8 18.1 33.7

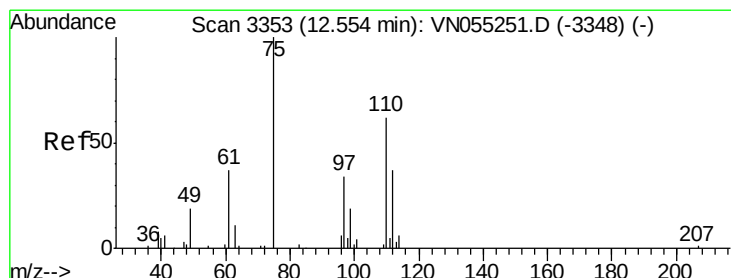
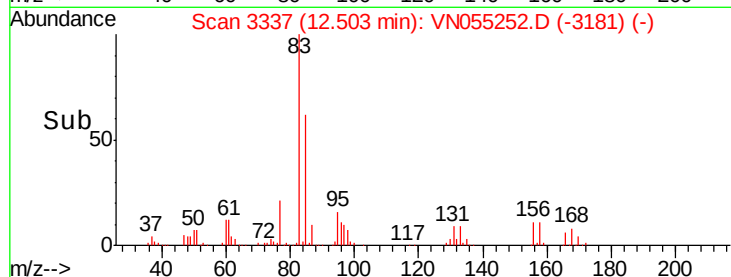
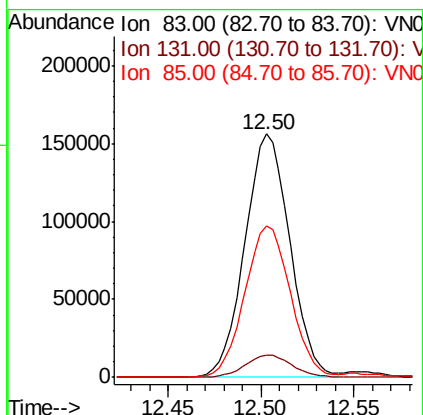
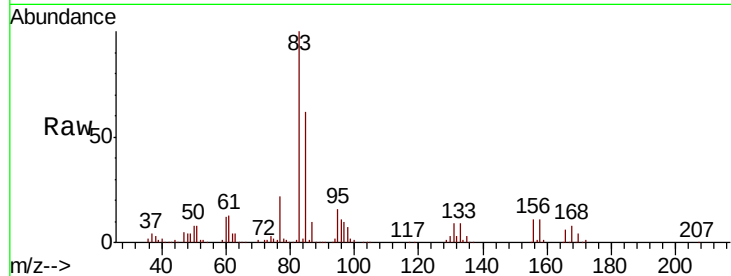




#71
 1,1,2,2-Tetrachloroethane
 Concen: 57.429 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

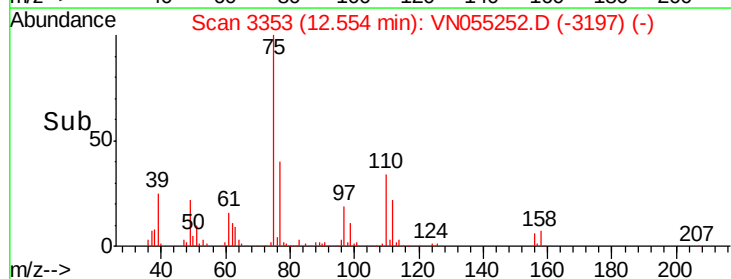
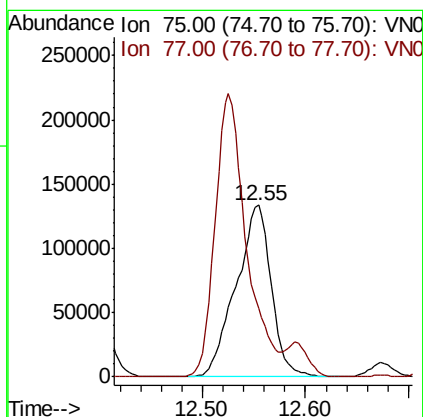
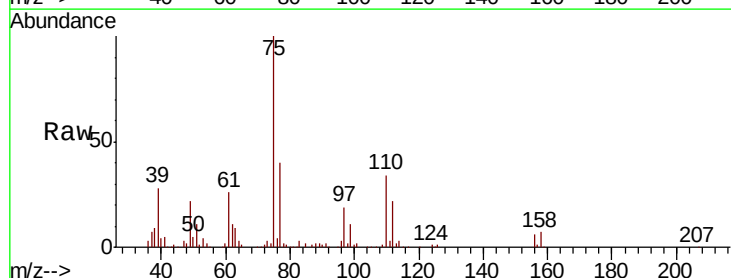
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

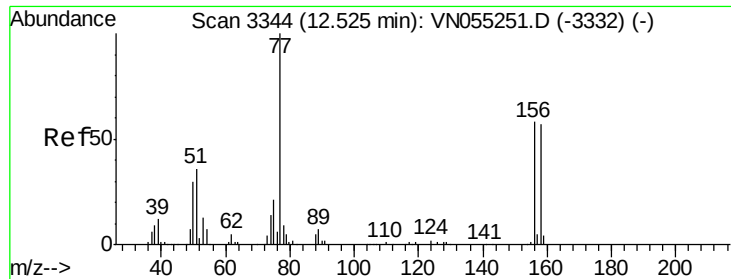
Tot Ion	83	Resp	263148
Ion Ratio	100		
Lower	5.0		
Upper	14.9		
85	63.1	32.3	96.8



#72
 1,2,3-Trichloropropane
 Concen: 83.823 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	75	Resp	316753
Ion Ratio	100		
Lower	0.0		
Upper	410.2		
77	146.8		





#73

Bromobenzene

Concen: 50.800 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

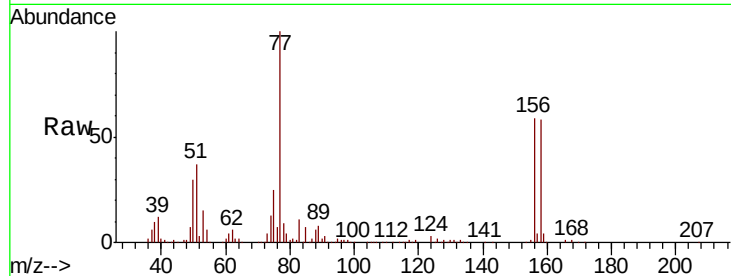
Tot Ion:156 Resp: 230939

Ion Ratio Lower Upper

156 100

77 201.3 0.0 403.2

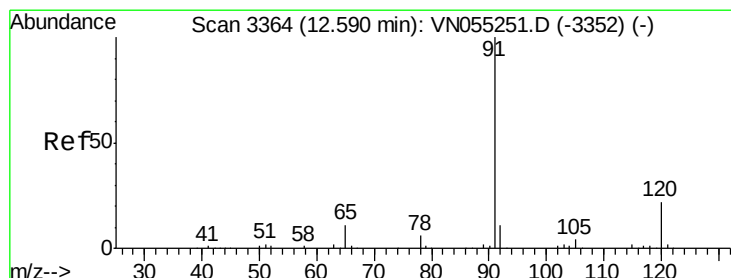
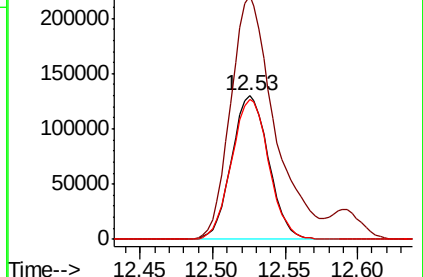
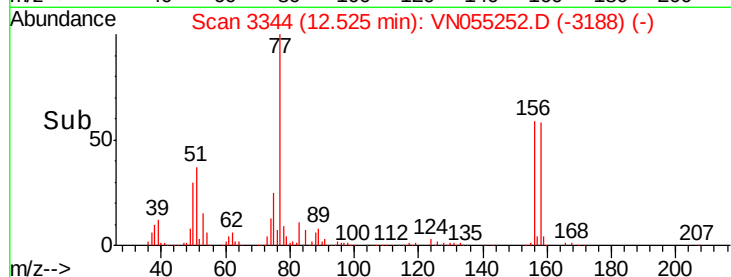
158 98.1 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 50.958 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055252.D

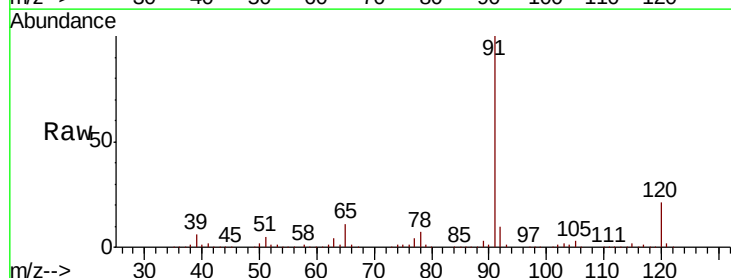
Acq: 25 Apr 2019 18:50

Tgt Ion: 91 Resp: 1093232

Ion Ratio Lower Upper

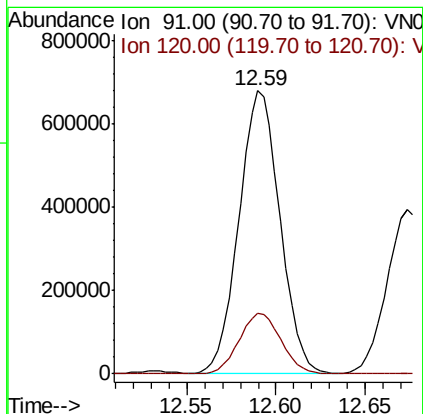
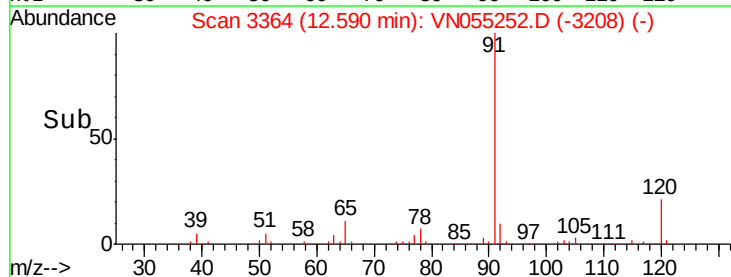
91 100

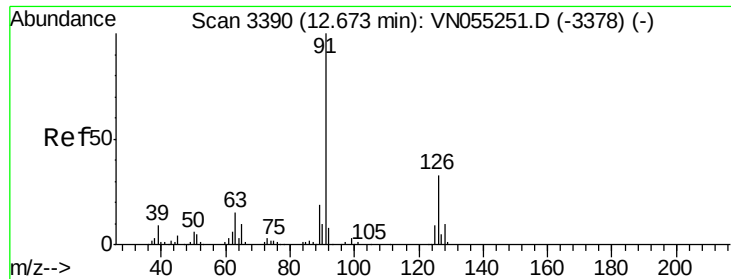
120 21.8 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 50.716 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

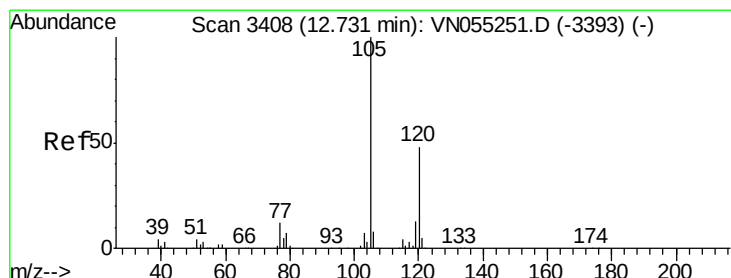
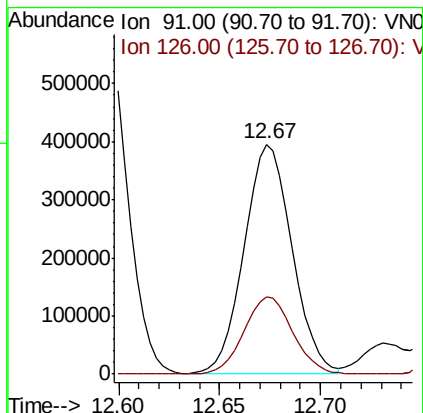
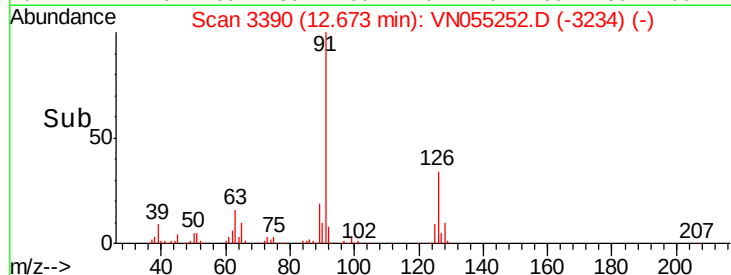
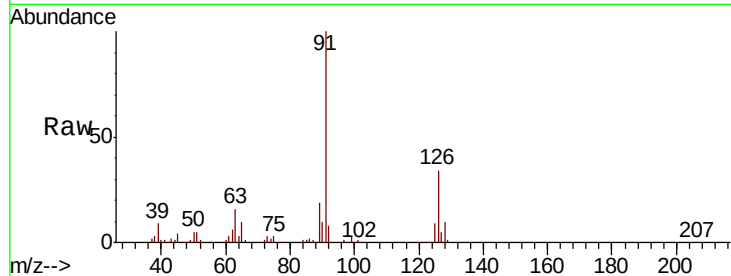
VSTDIC050

Tot Ion: 91 Resp: 659537

Ion Ratio Lower Upper

91 100

126 34.1 0.0 65.8



#76

1,3,5-Trimethylbenzene

Concen: 51.278 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055252.D

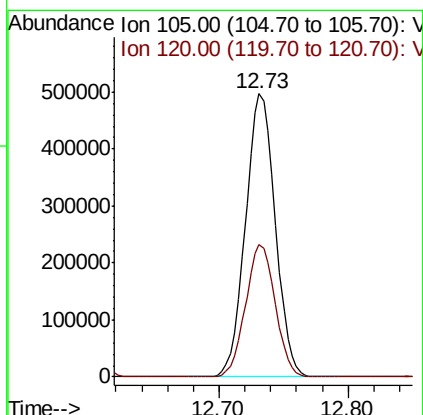
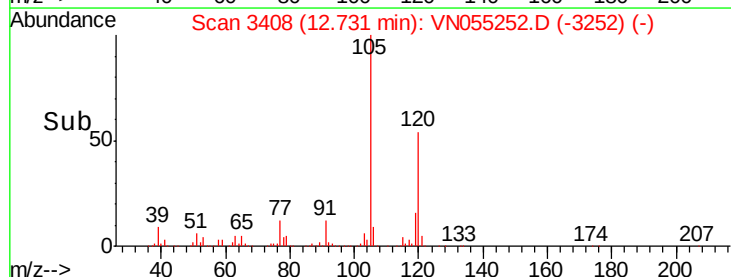
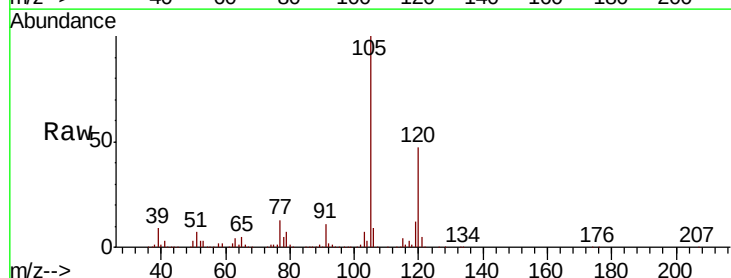
Acq: 25 Apr 2019 18:50

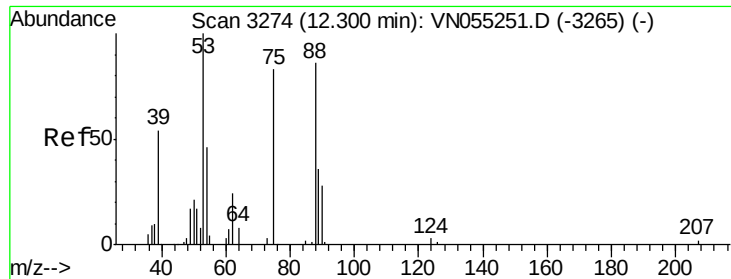
Tgt Ion: 105 Resp: 796347

Ion Ratio Lower Upper

105 100

120 46.8 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 62.742 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

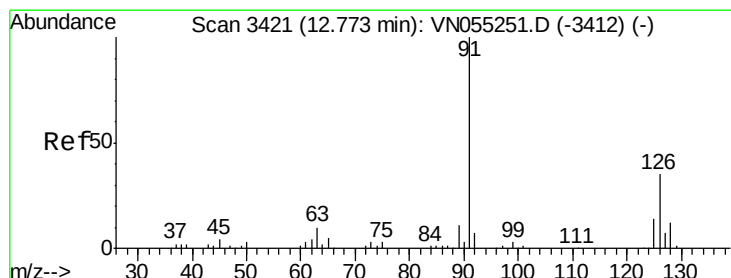
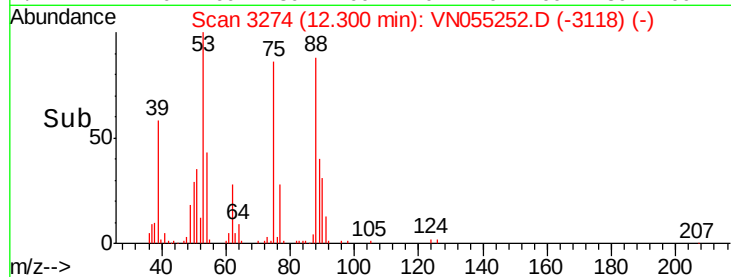
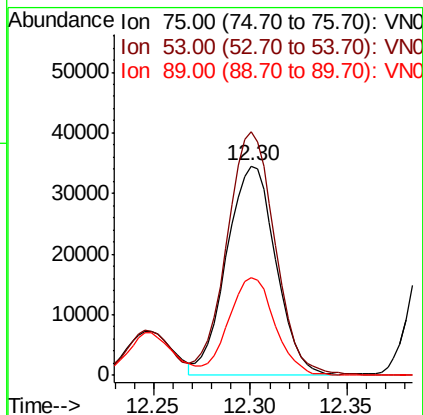
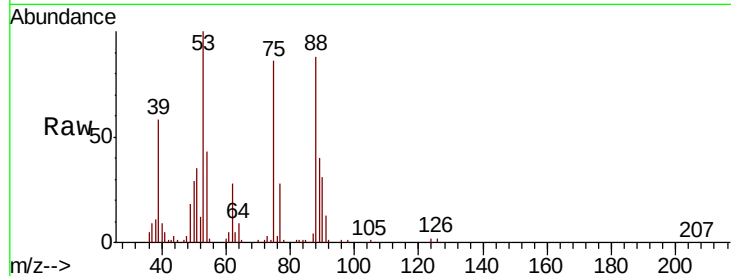
Tot Ion: 75 Resp: 61219

Ion Ratio Lower Upper

75 100

53 115.5 59.5 178.5

89 46.8 23.1 69.2



#78

4-Chlorotoluene

Concen: 51.704 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055252.D

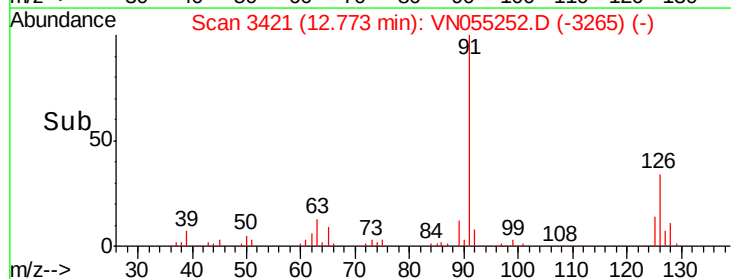
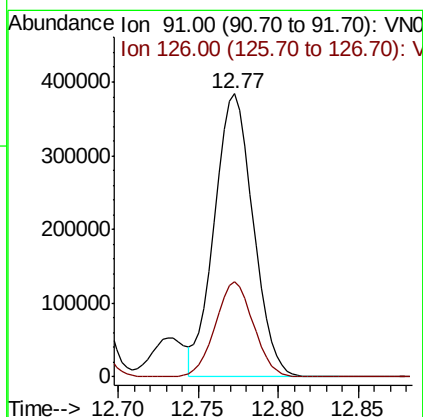
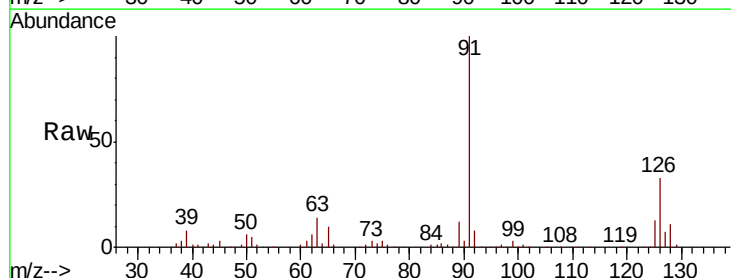
Acq: 25 Apr 2019 18:50

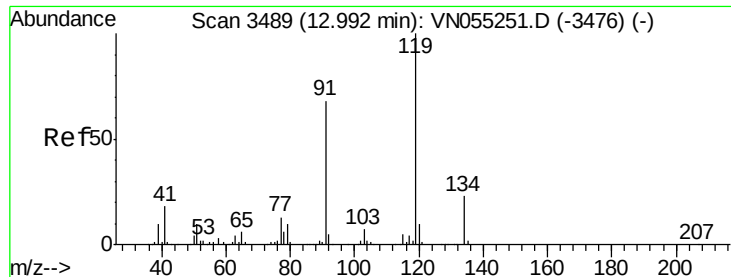
Tgt Ion: 91 Resp: 641378

Ion Ratio Lower Upper

91 100

126 33.0 0.0 66.8

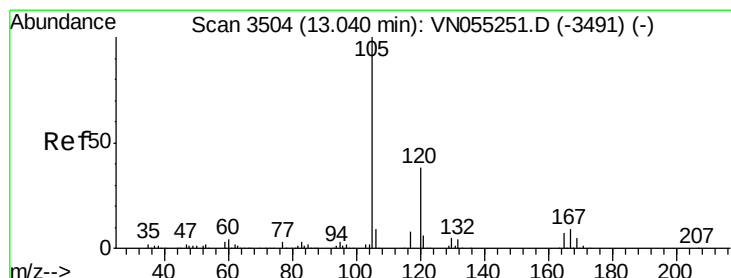
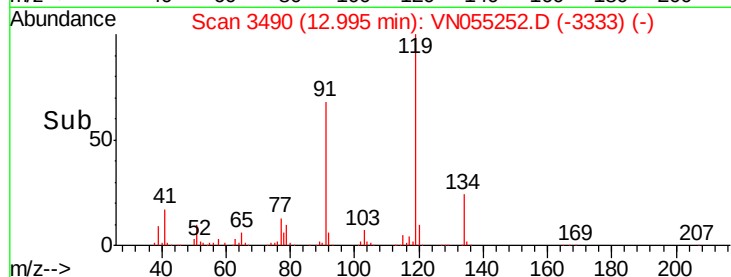
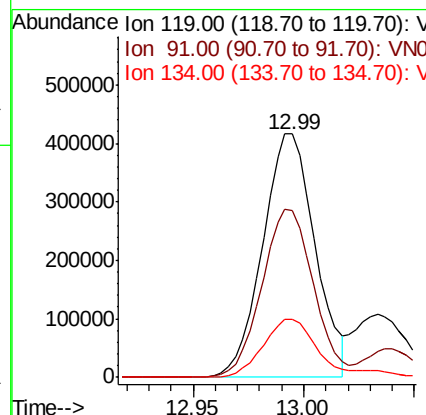
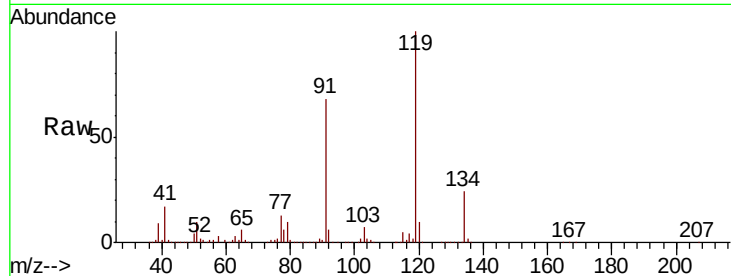




#79
tert-butylbenzene
Concen: 50.754 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

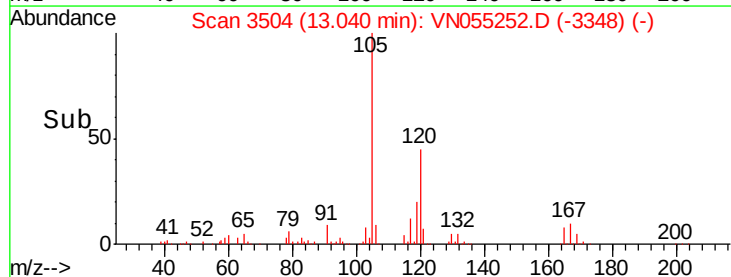
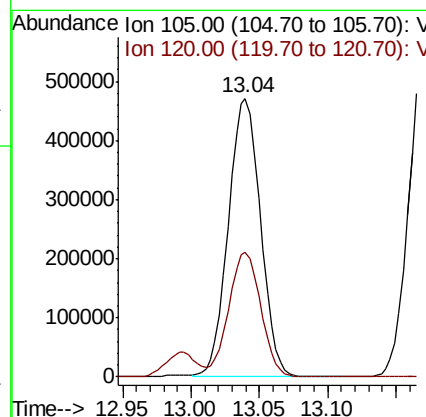
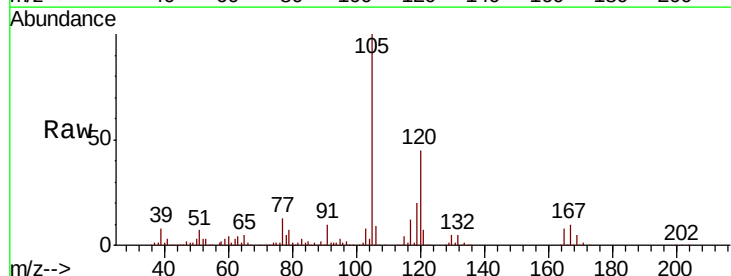
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

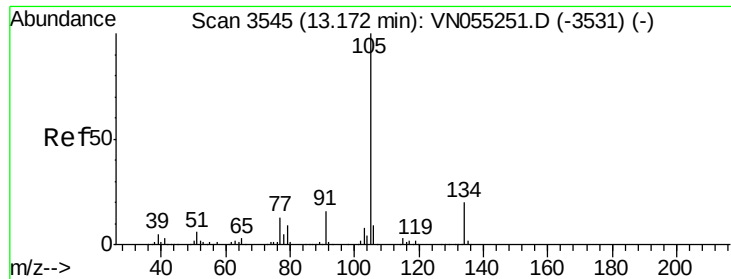
Tot Ion:119 Resp: 683665
Ion Ratio Lower Upper
119 100
91 68.0 0.0 135.6
134 24.4 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 50.393 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion:105 Resp: 772004
Ion Ratio Lower Upper
105 100
120 44.8 0.0 88.6





#81

sec-Butylbenzene

Concen: 50.736 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

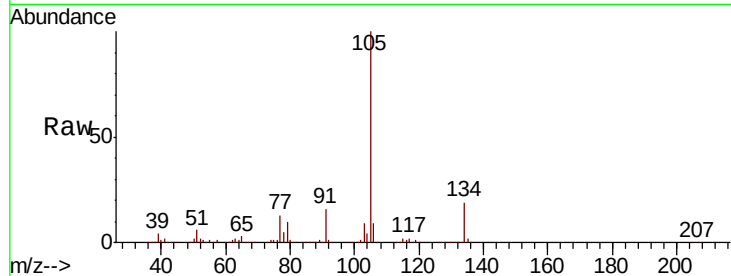
VSTDIC050

Tot Ion:105 Resp: 908780

Ion Ratio Lower Upper

105 100

134 19.3 0.0 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

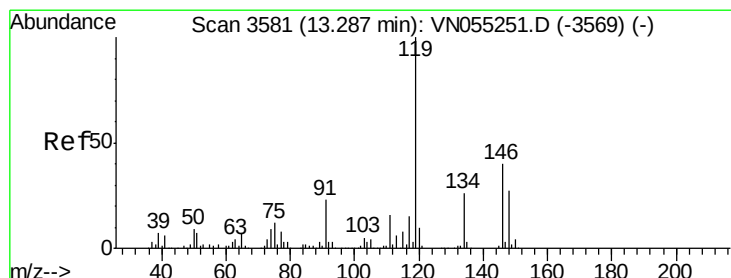
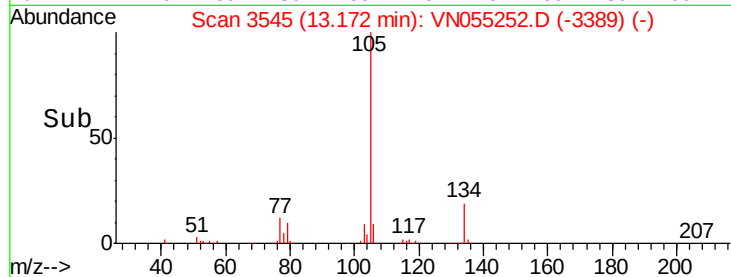
600000

400000

200000

0

Time-->



#82

p-Isopropyltoluene

Concen: 50.567 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

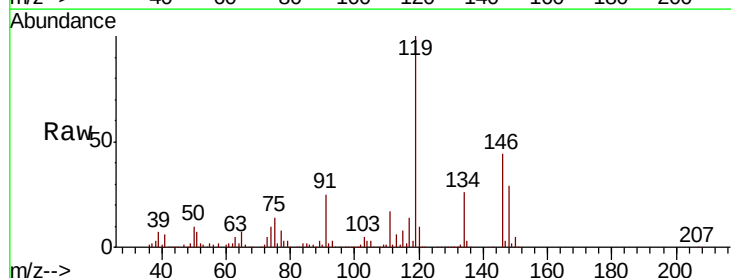
Tgt Ion:119 Resp: 759997

Ion Ratio Lower Upper

119 100

134 26.3 0.0 53.2

91 24.5 0.0 47.6



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

13.29

600000

500000

400000

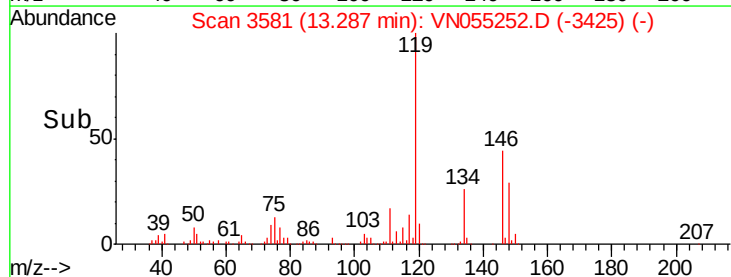
300000

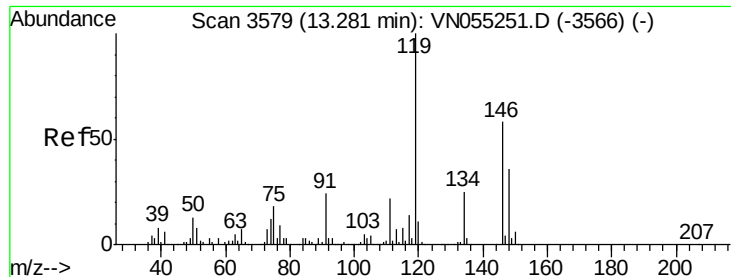
200000

100000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 51.326 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

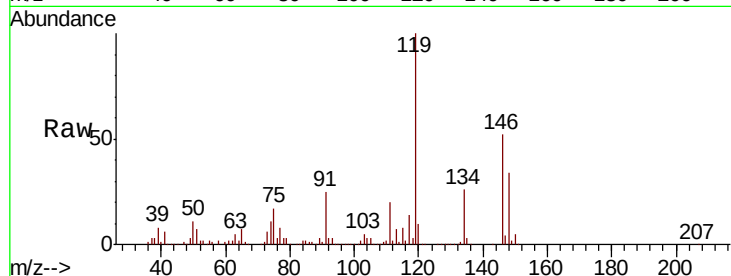
Tot Ion:146 Resp: 386671

Ion Ratio Lower Upper

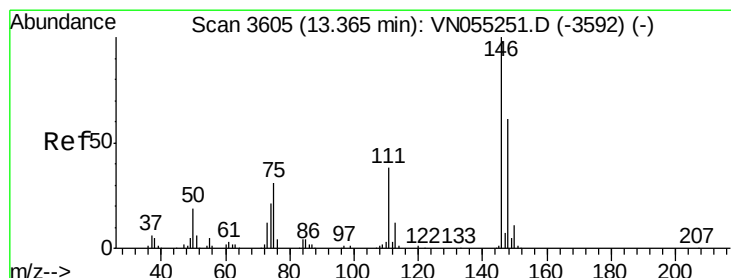
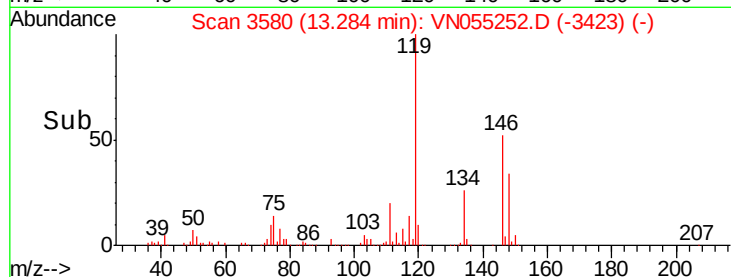
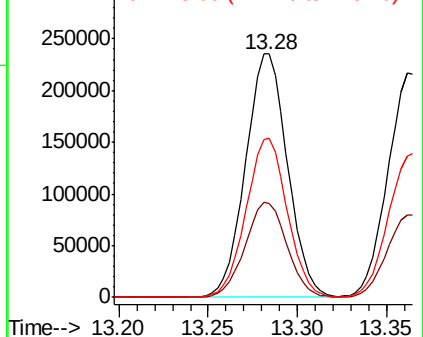
146 100

111 39.0 19.9 59.7

148 64.3 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 51.220 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

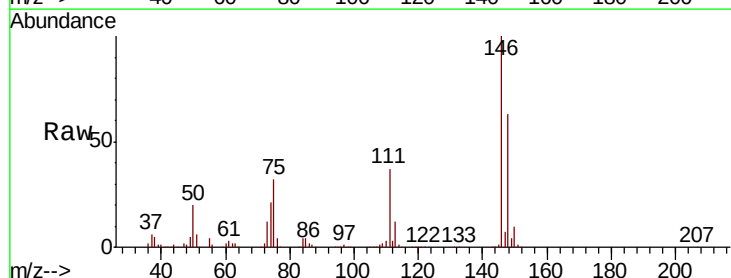
Tgt Ion:146 Resp: 366811

Ion Ratio Lower Upper

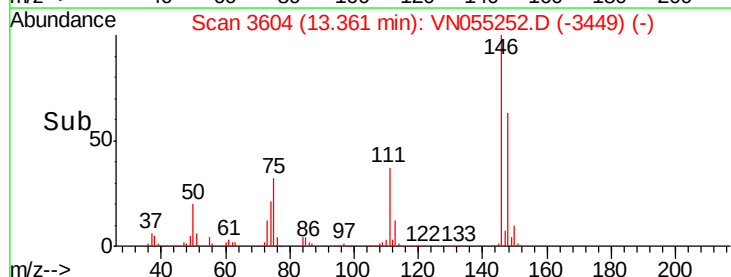
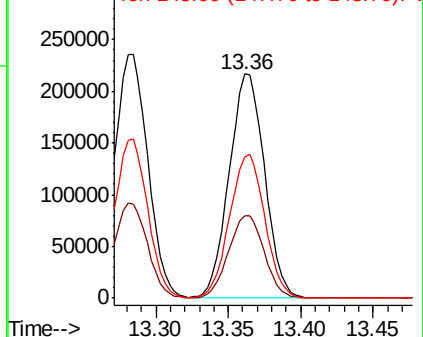
146 100

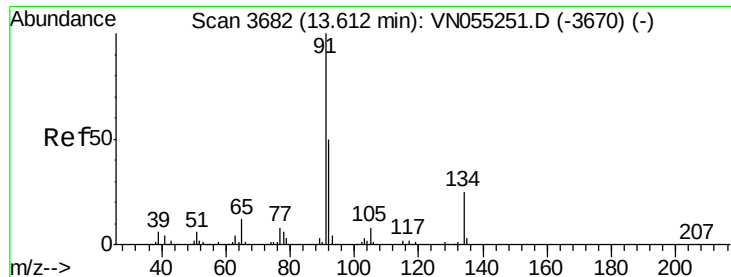
111 36.9 18.9 56.5

148 63.6 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 50.795 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

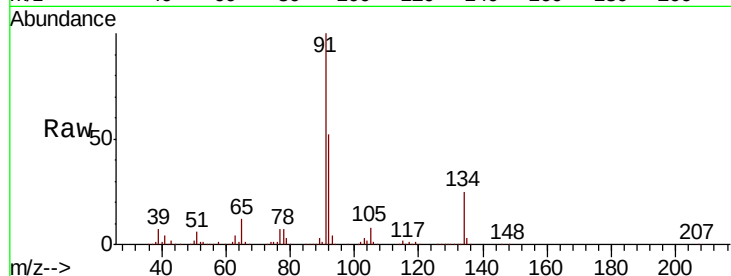
Tot Ion: 91 Resp: 601194

Ion Ratio Lower Upper

91 100

92 52.0 0.0 102.8

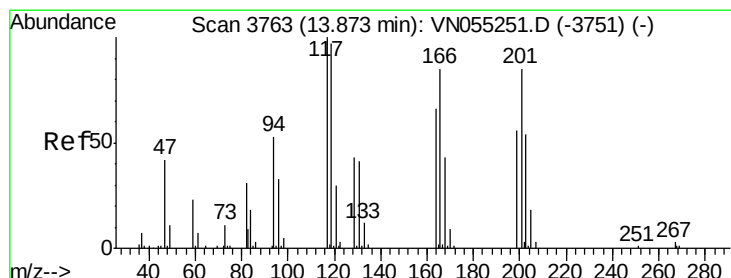
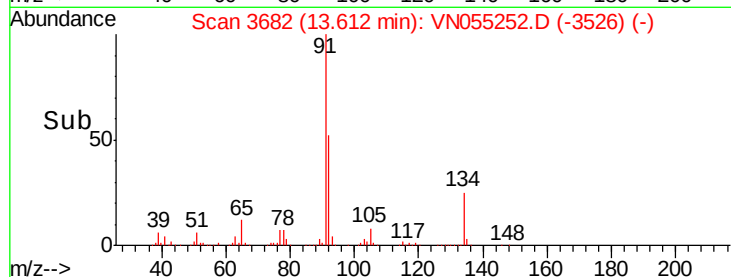
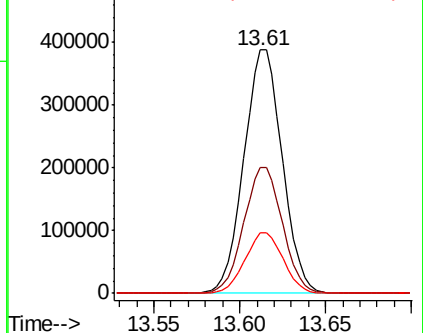
134 24.8 0.0 50.0



Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN055251.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN055251.D (-3670) (-)



#86

Hexachloroethane

Concen: 52.088 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055252.D

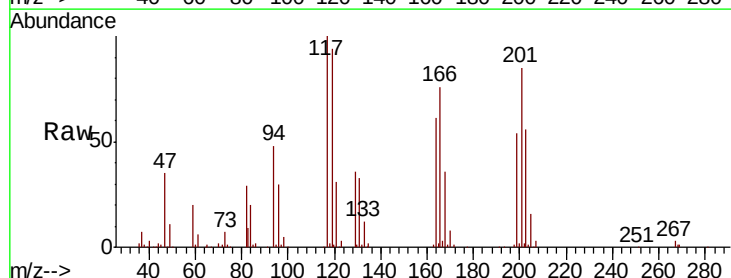
Acq: 25 Apr 2019 18:50

Tgt Ion: 117 Resp: 127282

Ion Ratio Lower Upper

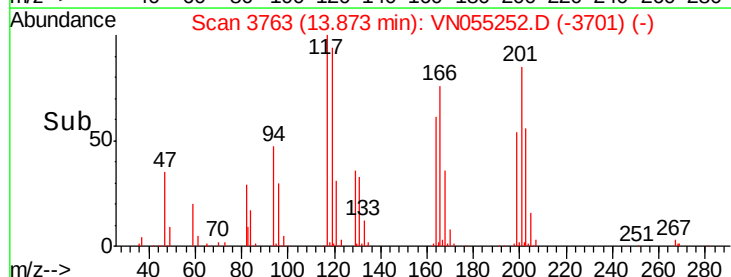
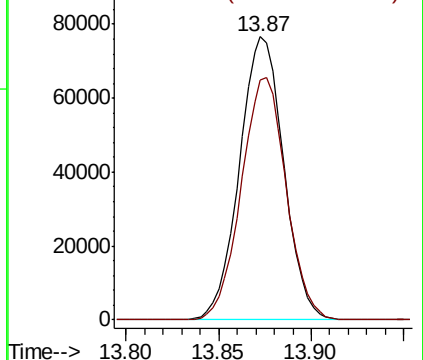
117 100

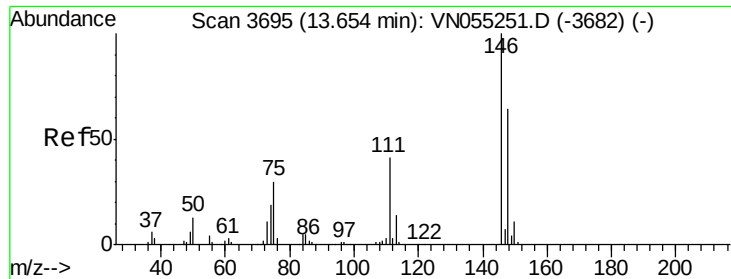
201 86.8 44.5 133.7



Abundance Ion 117.00 (116.70 to 117.70): VN055251.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN055251.D (-3751) (-)

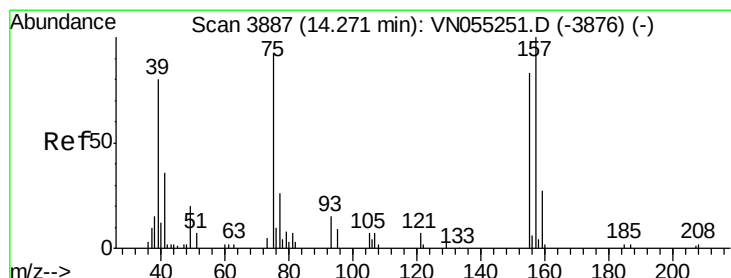
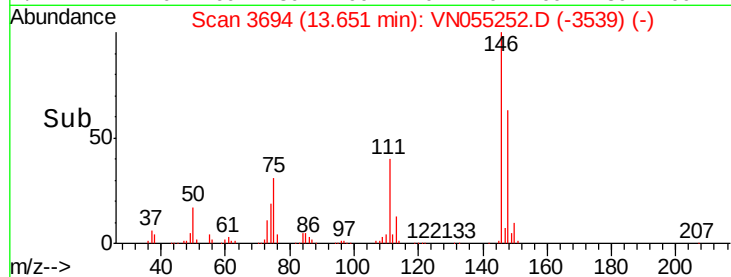
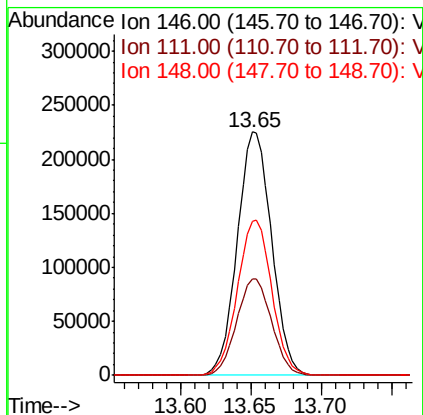
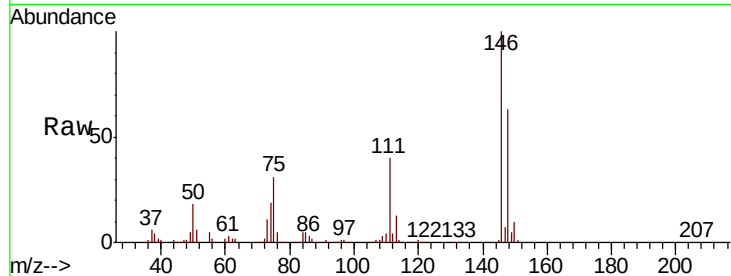




#87
 1,2-Dichlorobenzene
 Concen: 51.804 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

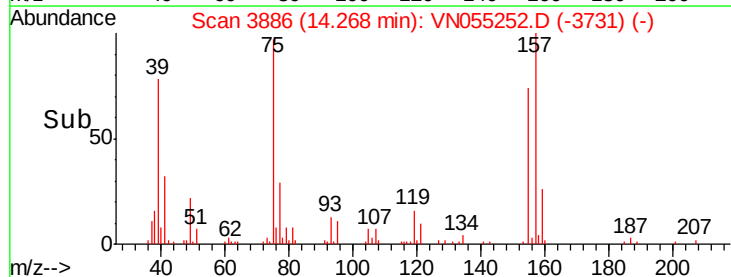
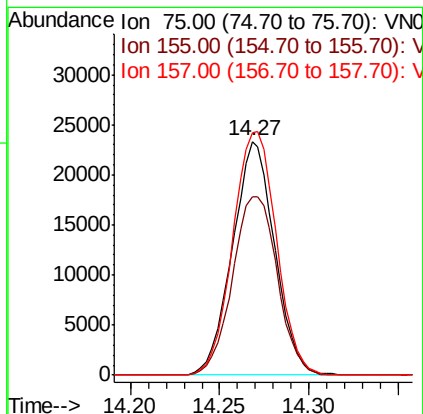
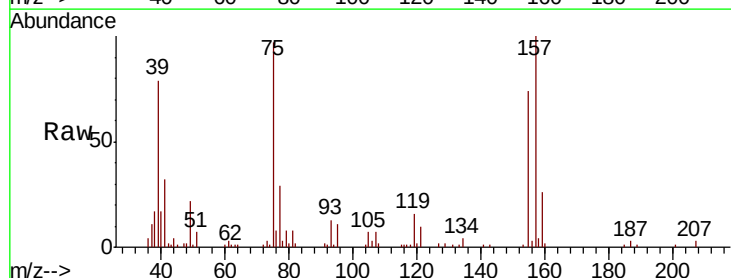
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

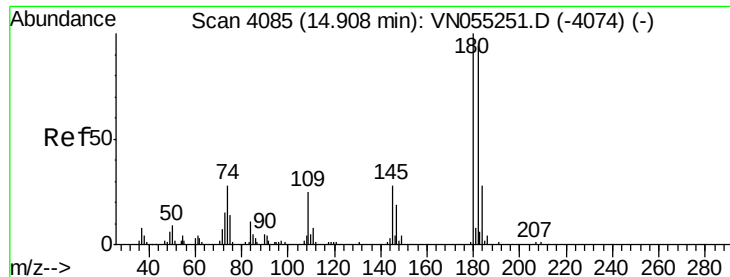
Tot Ion:146 Resp: 384408
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.8 62.2
 148 64.0 31.9 95.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 62.398 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion: 75 Resp: 38446
 Ion Ratio Lower Upper
 75 100
 155 81.2 70.4 105.6
 157 107.5 88.5 132.7

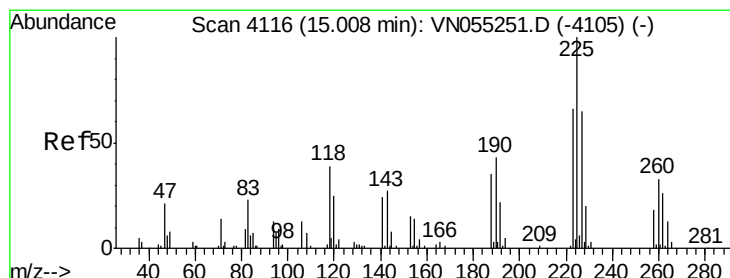
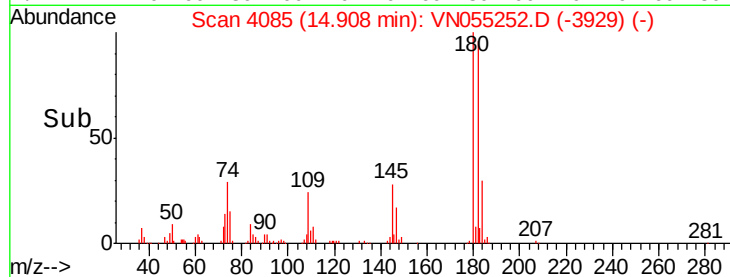
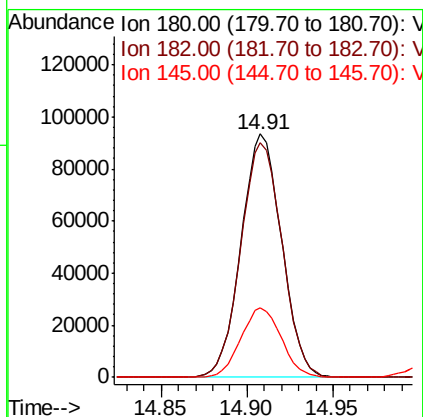
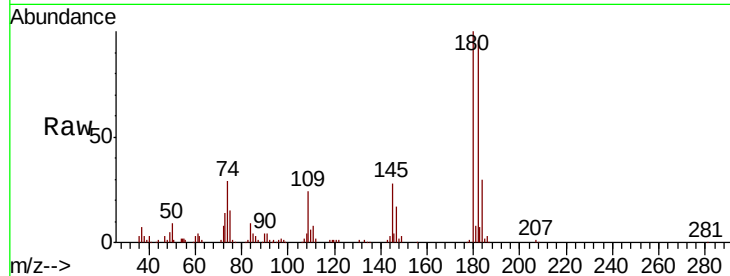




#89
 1,2,4-Trichlorobenzene
 Concen: 47.227 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

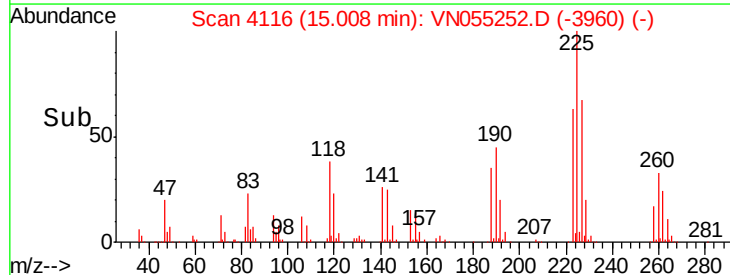
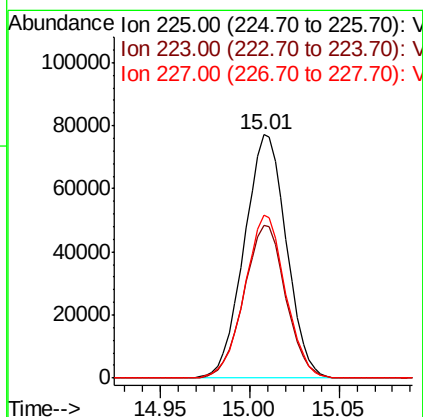
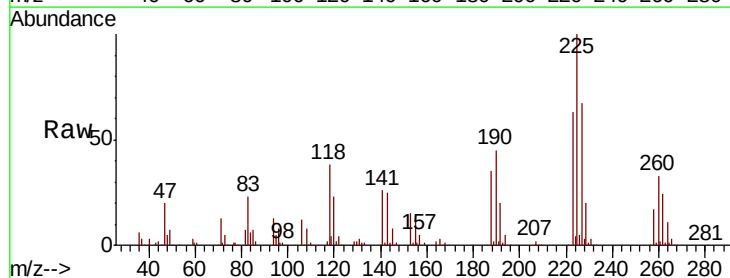
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

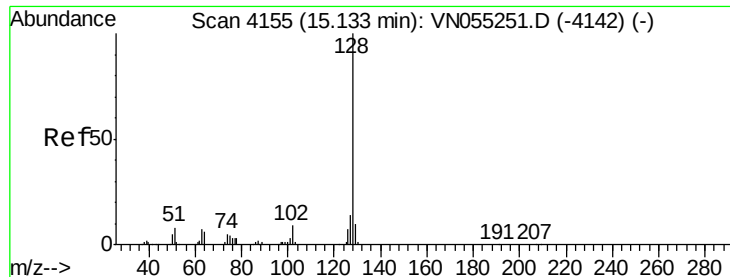
Tot Ion:180 Resp: 152993
 Ion Ratio Lower Upper
 180 100
 182 98.2 74.8 112.2
 145 28.4 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 52.895 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion:225 Resp: 127213
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 125.2
 227 65.0 0.0 128.4





#91

Naphthalene

Concen: 50.407 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

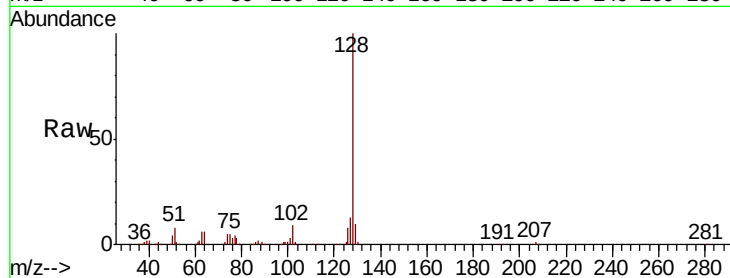
Tot Ion:128 Resp: 348476

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

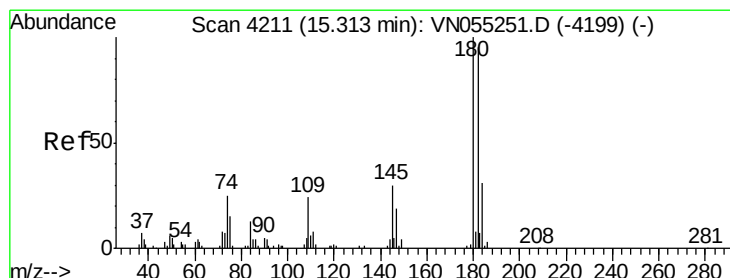
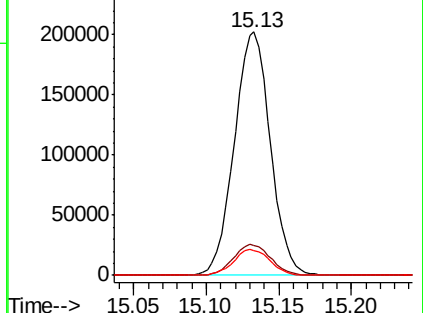
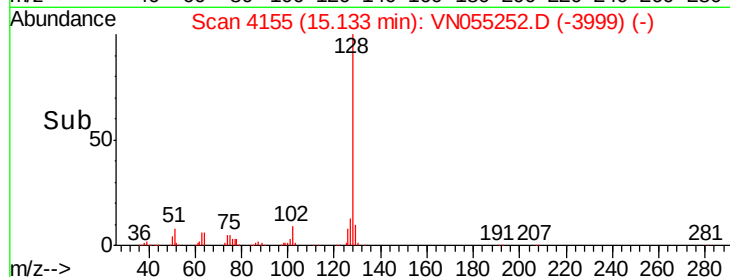
129 10.9 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 50.139 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

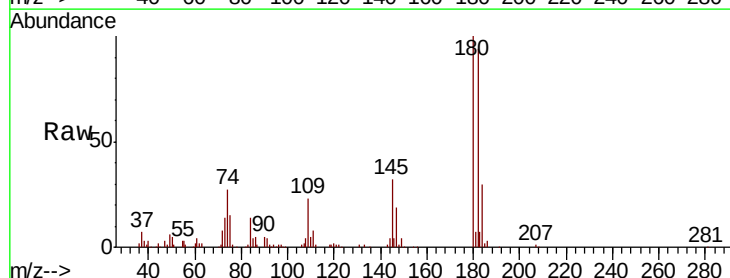
Tgt Ion:180 Resp: 163508

Ion Ratio Lower Upper

180 100

182 94.2 0.0 188.0

145 30.5 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

