

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055259.D
 Acq On : 25 Apr 2019 22:38
 Operator : JC/SP
 Sample : VN0426WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Quant Time: Apr 26 05:25:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68934	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	375828	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319653	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	160674	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	142201	28.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.60%
63) Toluene-d8	10.09	98	456129	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72870	19.383	ug/l 99
3) Chloromethane	2.06	50	104916	19.955	ug/l 95
4) Vinyl Chloride	2.19	62	88750	20.712	ug/l 98
5) Bromomethane	2.56	94	50387	21.107	ug/l 99
6) Chloroethane	2.70	64	49731	20.834	ug/l 100
7) Trichlorofluoromethane	3.02	101	128440	20.389	ug/l 98
8) Diethyl Ether	3.41	74	52101	20.374	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79579	19.848	ug/l 98
10) 1,1-Dichloroethene	3.74	96	76379	20.462	ug/l 95
11) Methyl Iodide	3.95	142	114125	19.442	ug/l 96
12) Methyl Acetate	4.33	43	106709	19.696	ug/l 92
13) Acrolein	3.61	56	21125	87.651	ug/l # 45
14) Acrylonitrile	4.99	53	187651	97.512	ug/l 99
15) Acetone	3.82	58	40560	87.489	ug/l 97
16) Carbon Disulfide	4.06	76	196286	19.347	ug/l 100
17) Allyl chloride	4.33	41	147843	18.392	ug/l 98
18) Methylene Chloride	4.56	84	93402	20.155	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	84493	20.776	ug/l 96
20) Diisopropyl ether	5.95	45	339372	20.708	ug/l 97
21) 1,1-Dichloroethane	5.85	63	174023	20.434	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	98278	20.859	ug/l 93
23) tert-Butyl Alcohol	4.79	59	36399	92.646	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	244859	20.130	ug/l 100
25) Chloroform	7.37	83	166942	20.861	ug/l 95
26) Cyclohexane	7.65	56	147741	19.975	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	118618	19.915	ug/l 99
30) 2-Butanone	6.84	43	224635	93.062	ug/l 100
31) 2,2-Dichloropropane	6.83	77	102635	18.193	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	134530	20.318	ug/l 100
33) Carbon Tetrachloride	7.77	117	112608	20.397	ug/l 97
34) Benzene	8.04	78	364789	20.457	ug/l 98
35) Methacrylonitrile	7.22	41	148084	53.193	ug/l # 55
36) 1,2-Dichloroethane	8.13	62	128685	20.230	ug/l 100
37) Trichloroethene	8.84	130	89883	19.972	ug/l 97
38) Methylcyclohexane	9.08	83	123883	19.441	ug/l 98
39) 1,2-Dichloropropane	9.12	63	104496	20.471	ug/l 99
40) Dibromomethane	9.21	93	58765	19.869	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	121820	20.252	ug/l	96
42) Vinyl Acetate	5.90	43	1118202	96.737	ug/l	100
43) Ethyl Acetate	6.93	43	87508	17.493	ug/l	95
44) Isopropyl Acetate	8.17	43	169923	18.459	ug/l	97
45) 1,4-Dioxane	9.20	88	18604	389.963	ug/l	98
46) Methyl methacrylate	9.20	41	80487	18.570	ug/l	93
47) n-amyl Acetate	12.07	43	108460	16.563	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	107633	18.185	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	131372	19.132	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	80489	19.965	ug/l	98
51) Ethyl methacrylate	10.43	69	101311	18.484	ug/l	99
52) 1,3-Dichloropropane	10.71	76	141959	19.887	ug/l	100
53) Dibromochloromethane	10.90	129	80363	19.275	ug/l	99
54) 1,2-Dibromoethane	11.01	107	74470	19.038	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	144186	87.278	ug/l	99
56) Bromoform	12.13	173	48855	17.879	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	485209	97.229	ug/l	98
59) 2-Hexanone	10.75	43	297426	93.101	ug/l	99
61) Tetrachloroethene	10.63	164	88936	21.441	ug/l	99
62) Toluene	10.16	91	376117	20.797	ug/l	99
64) Chlorobenzene	11.43	112	220099	20.542	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	81887	20.488	ug/l	100
66) Ethyl Benzene	11.51	91	392258	20.406	ug/l	99
67) m/p-Xylenes	11.62	106	286645	40.722	ug/l	100
68) o-Xylene	11.95	106	143852	20.476	ug/l	94
69) Styrene	11.96	104	211846	19.465	ug/l	100
70) Isopropylbenzene	12.25	105	382616	20.690	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	99720	19.565	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	115208	26.074	ug/l	66
73) Bromobenzene	12.53	156	87813	19.976	ug/l	98
74) n-propylbenzene	12.59	91	407034	19.723	ug/l	99
75) 2-Chlorotoluene	12.67	91	256442	20.257	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	301689	19.879	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19738	16.784	ug/l	94
78) 4-Chlorotoluene	12.77	91	232796	19.344	ug/l	98
79) tert-butylbenzene	12.99	119	265000	20.272	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285795	19.531	ug/l	99
81) sec-Butylbenzene	13.17	105	339267	19.633	ug/l	100
82) p-Isopropyltoluene	13.29	119	274096	19.121	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	131468	18.436	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	120731	17.938	ug/l	97
85) n-Butylbenzene	13.61	91	185546	16.977	ug/l	100
86) Hexachloroethane	13.87	117	46741	19.115	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	136853	19.179	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12262	16.436	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	39163	13.871	ug/l	96
90) Hexachlorobutadiene	15.01	225	43581	18.230	ug/l	98
91) Naphthalene	15.13	128	86443	13.250	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	45413	15.417	ug/l	99

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QLast Update : Fri Apr 26 05:19:18 2019
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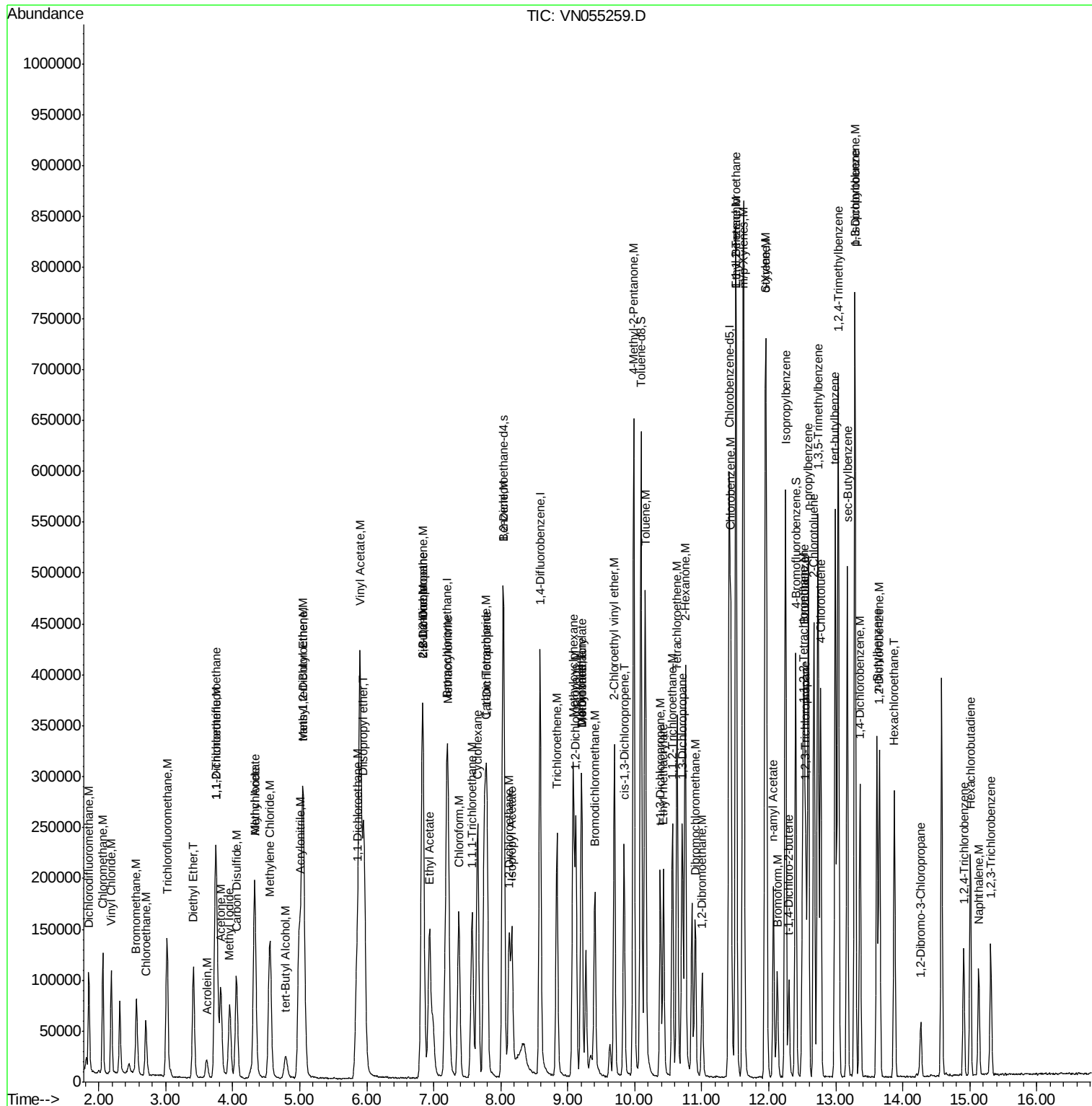
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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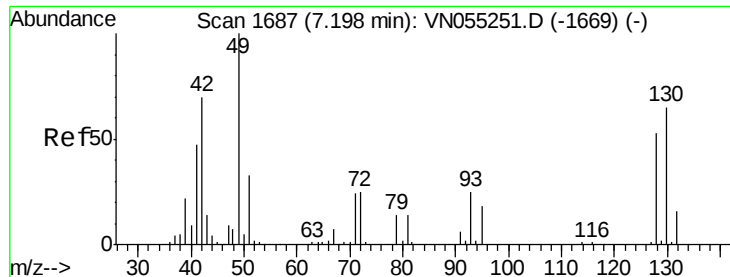
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055259.D
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Quant Time: Apr 26 05:25:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

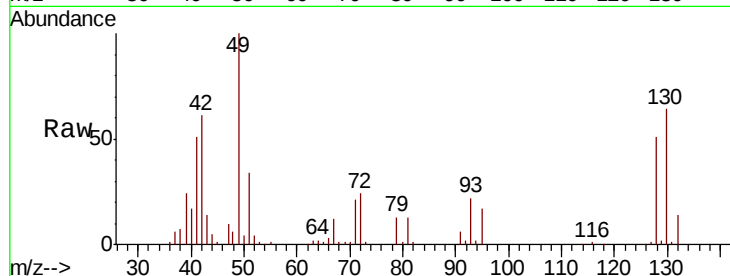
Tot Ion:128 Resp: 68934

Ion Ratio Lower Upper

128 100

49 198.6 0.0 485.0

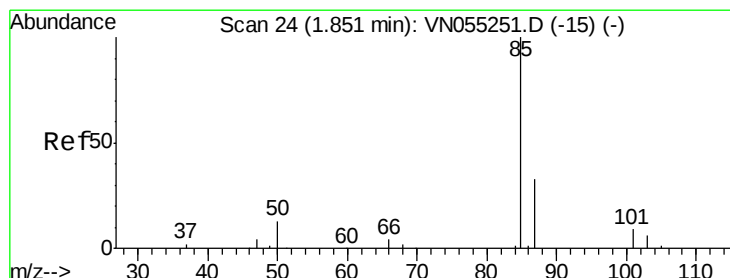
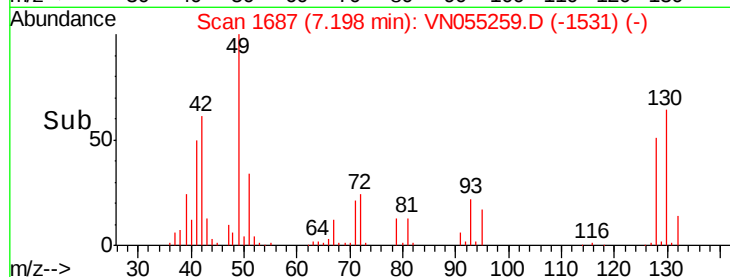
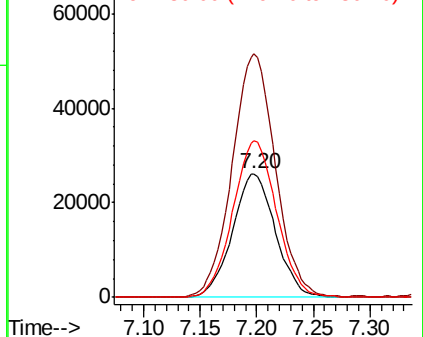
130 129.7 0.0 324.7



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: 19.383 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055259.D

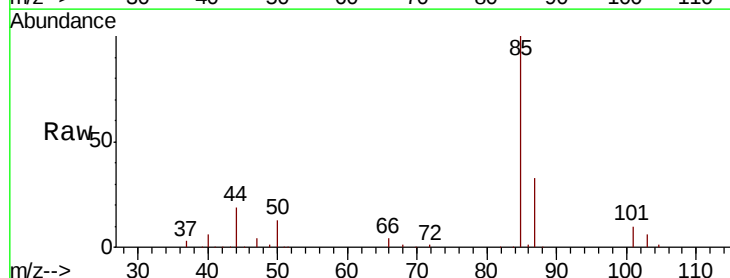
Acq: 25 Apr 2019 22:38

Tgt Ion: 85 Resp: 72870

Ion Ratio Lower Upper

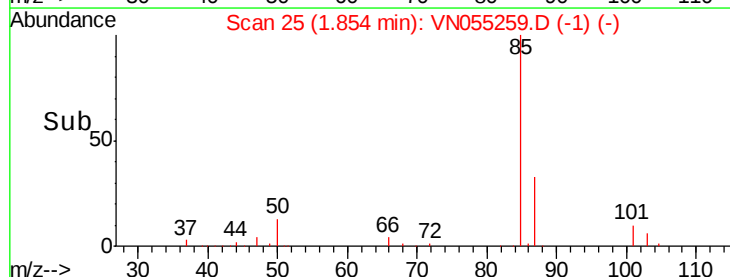
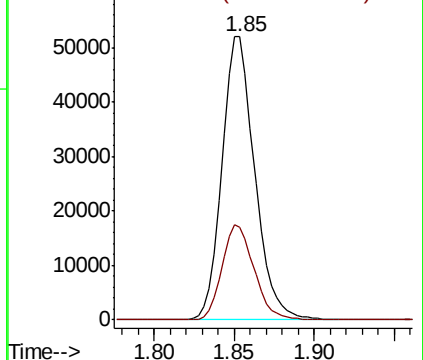
85 100

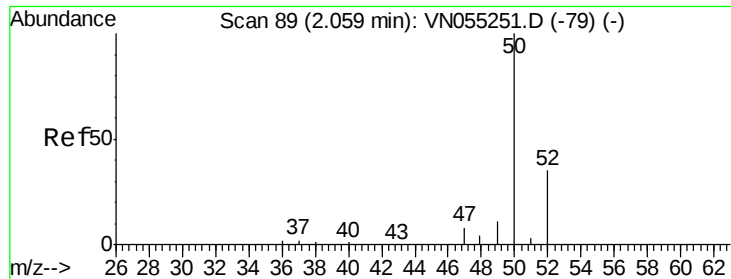
87 32.8 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.955 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

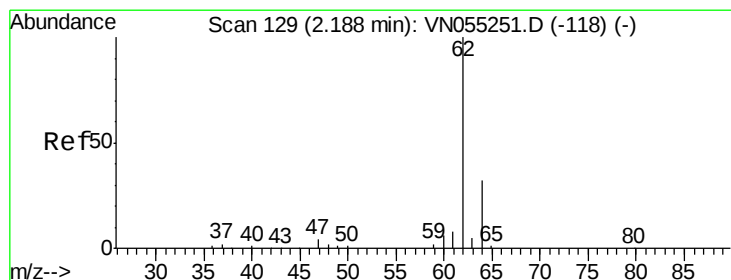
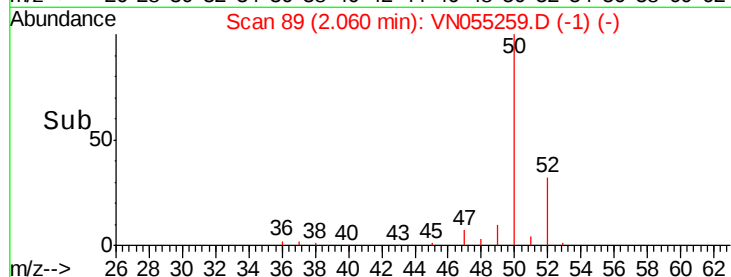
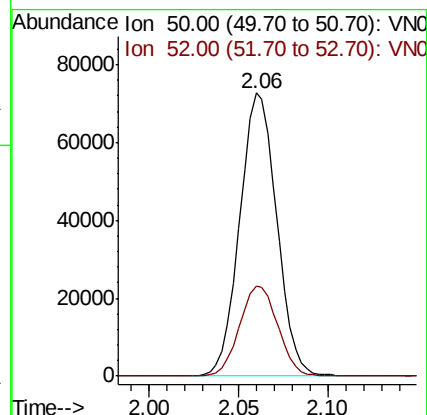
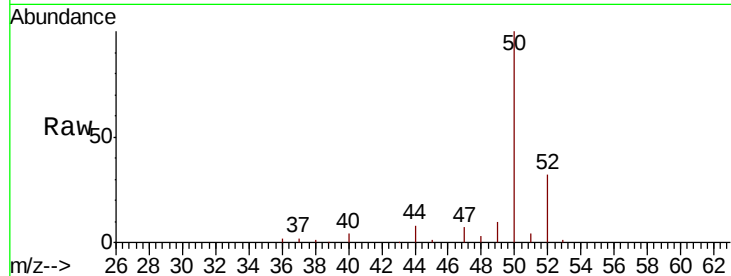
VN0426WBS01

Tot Ion: 50 Resp: 104916

Ion Ratio Lower Upper

50 100

52 31.9 27.9 41.9



#4

Vinyl Chloride

Concen: 20.712 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055259.D

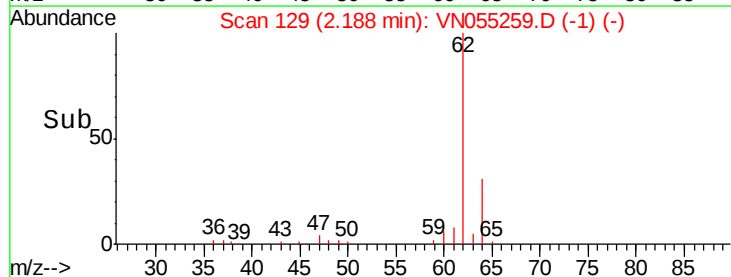
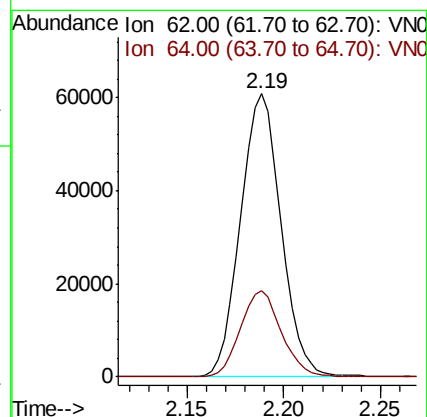
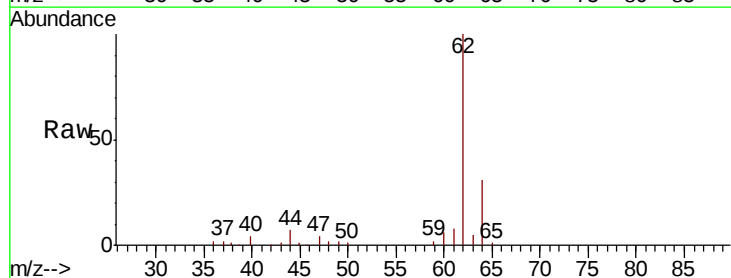
Acq: 25 Apr 2019 22:38

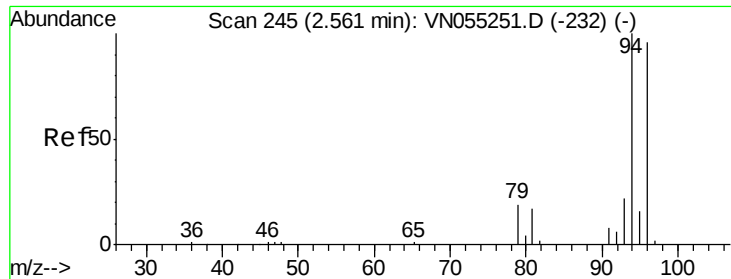
Tgt Ion: 62 Resp: 88750

Ion Ratio Lower Upper

62 100

64 30.6 25.6 38.4





#5

Bromomethane

Concen: 21.107 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

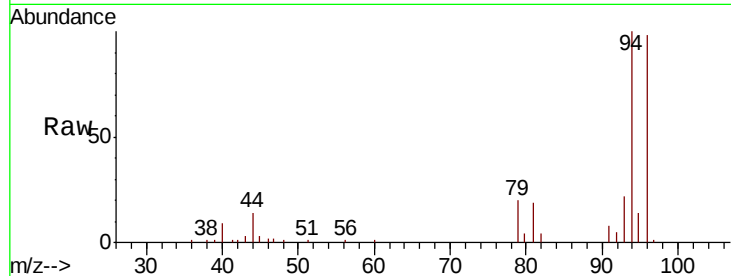
VN0426WBS01

Tot Ion: 94 Resp: 50387

Ion Ratio Lower Upper

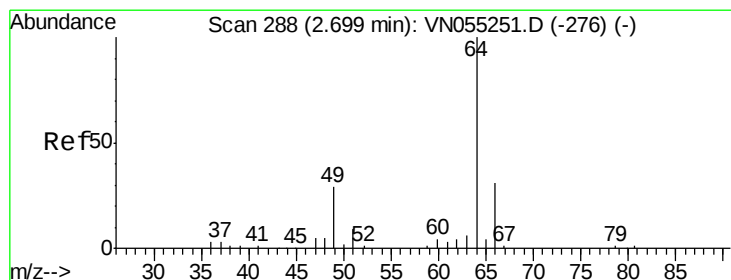
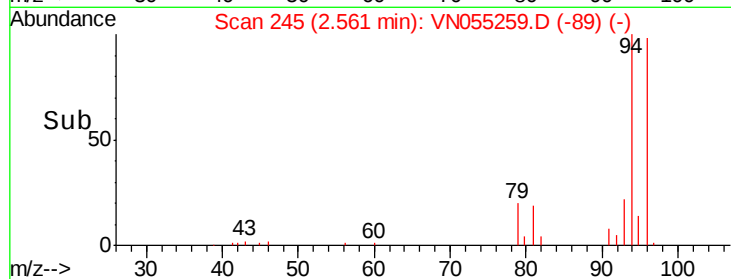
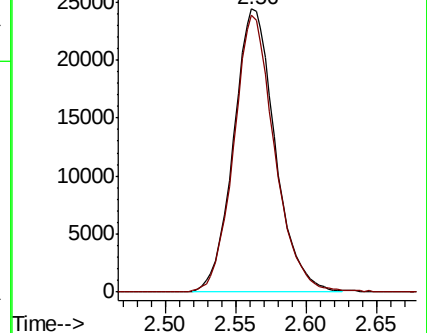
94 100

96 97.1 77.0 115.6



Abundance Ion 94.00 (93.70 to 94.70): VN055251.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN055251.D (-232) (-)



#6

Chloroethane

Concen: 20.834 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055259.D

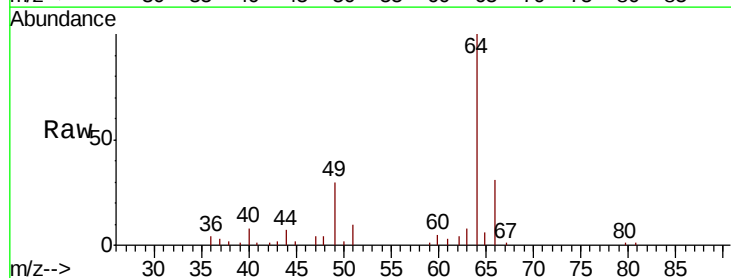
Acq: 25 Apr 2019 22:38

Tgt Ion: 64 Resp: 49731

Ion Ratio Lower Upper

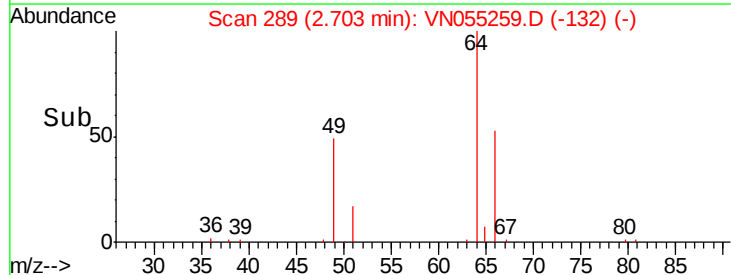
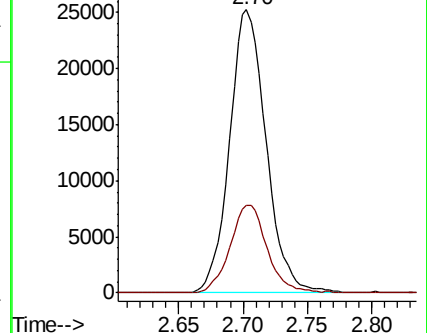
64 100

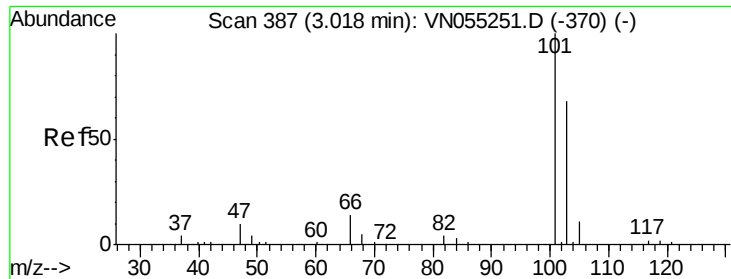
66 30.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN055251.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN055251.D (-276) (-)



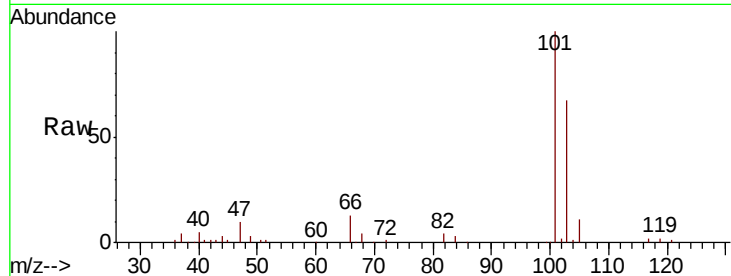


#7

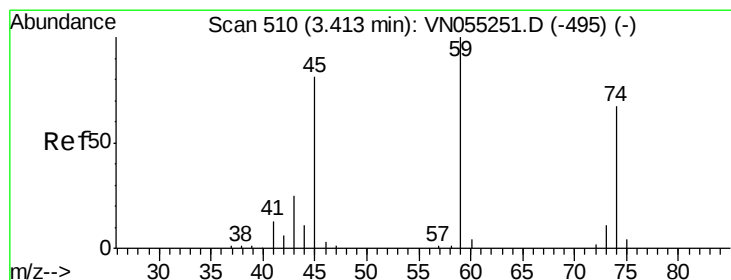
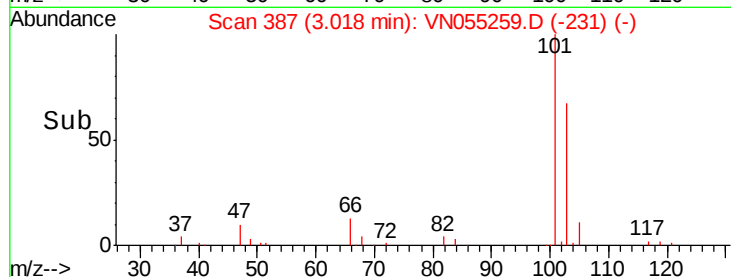
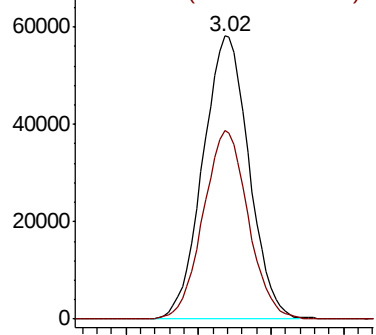
Trichlorofluoromethane
 Concen: 20.389 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
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Tot Ion:101 Resp: 128440
 Ion Ratio Lower Upper
 101 100
 103 66.7 54.6 81.8



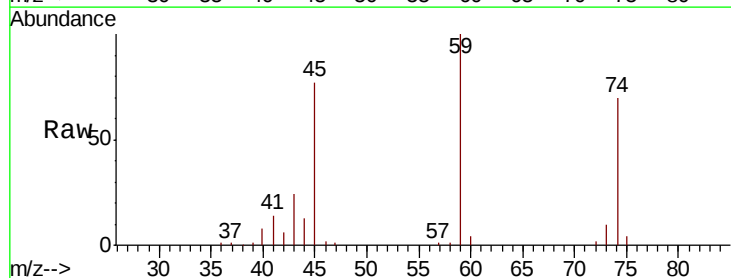
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



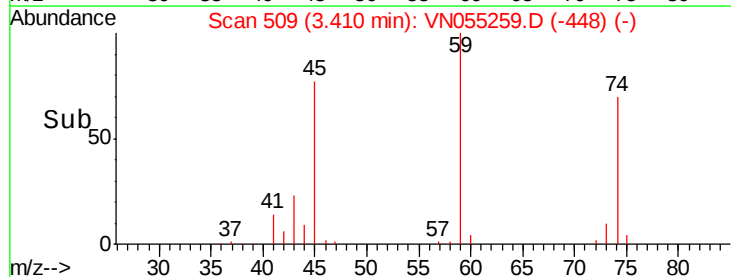
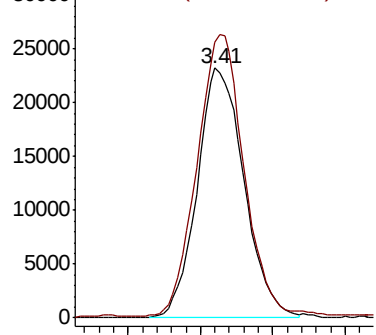
#8

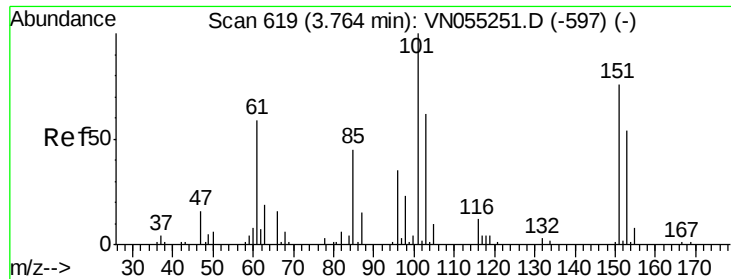
Diethyl Ether
 Concen: 20.374 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 74 Resp: 52101
 Ion Ratio Lower Upper
 74 100
 45 111.9 25.1 225.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.848 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

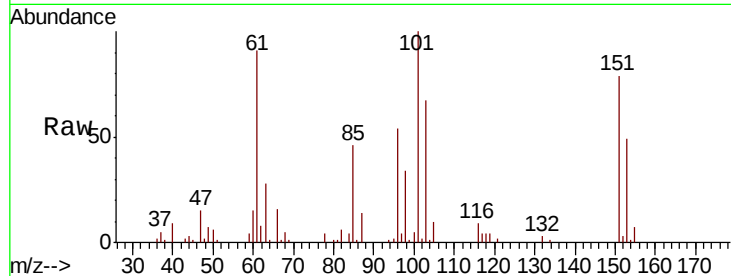
Tot Ion:101 Resp: 79579

Ion Ratio Lower Upper

101 100

85 44.7 0.0 89.0

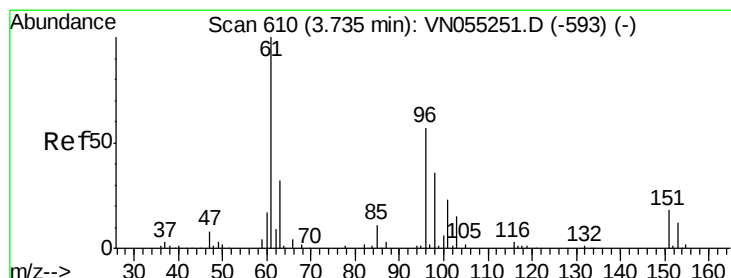
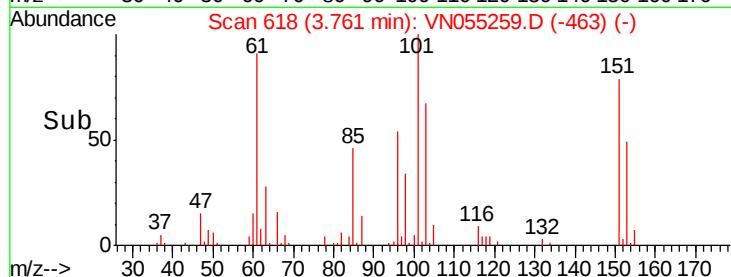
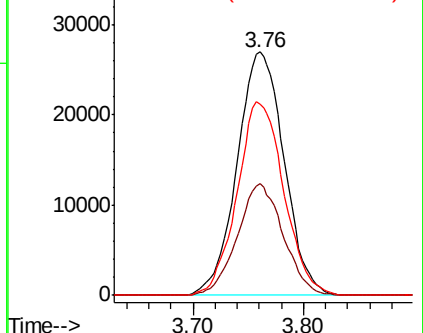
151 79.1 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.462 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

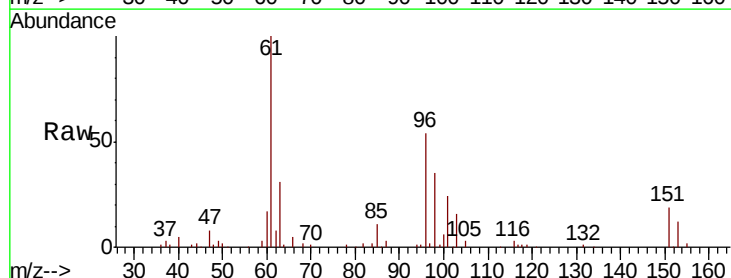
Tgt Ion: 96 Resp: 76379

Ion Ratio Lower Upper

96 100

61 184.2 139.9 209.9

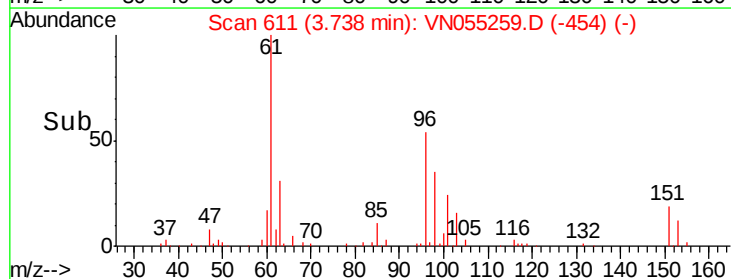
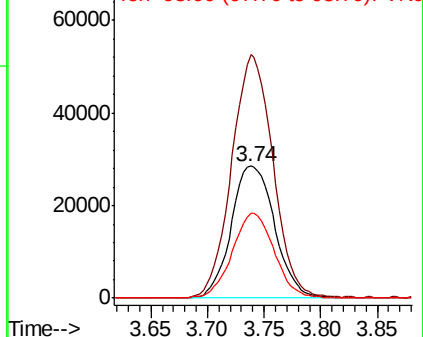
98 64.6 50.8 76.2

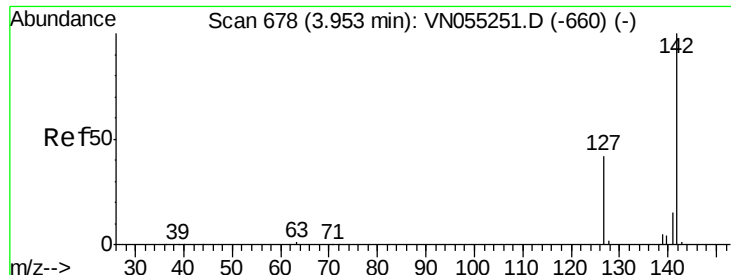


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

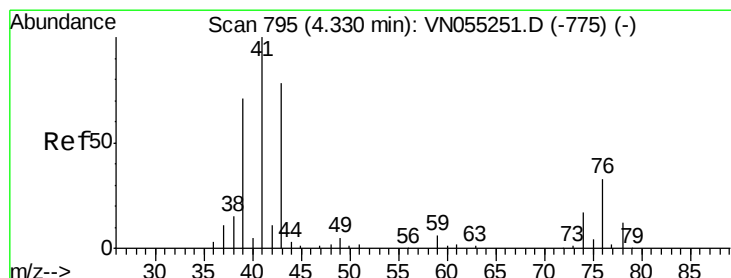
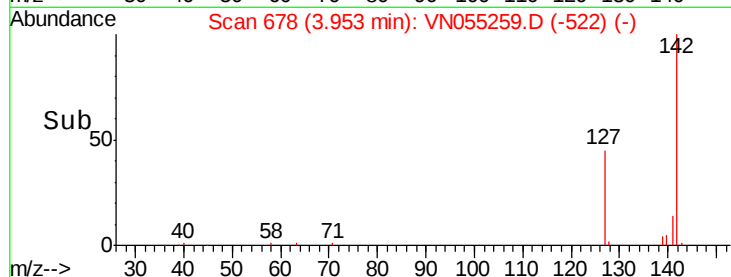
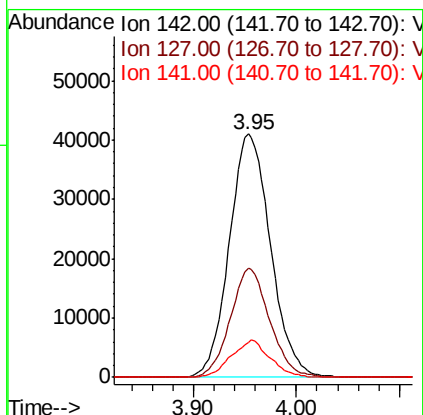
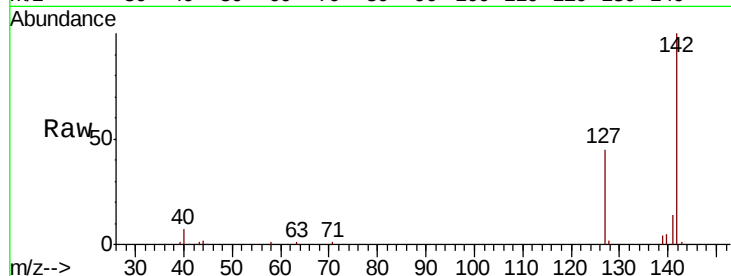




#11
Methvl Iodide
Concen: 19.442 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

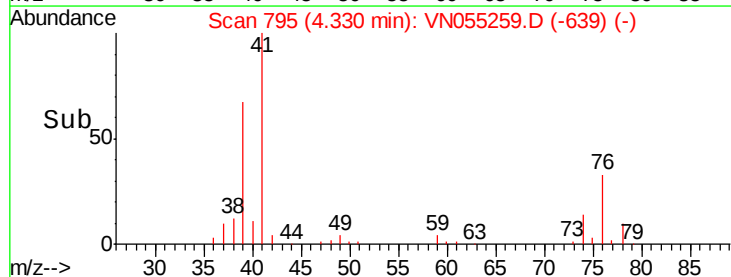
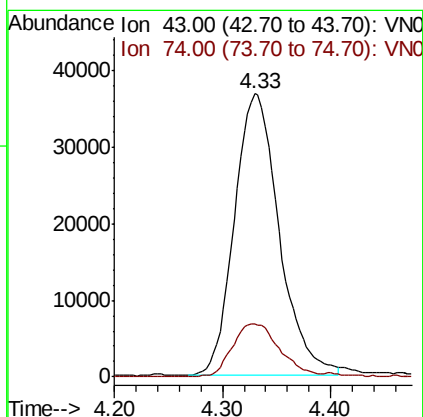
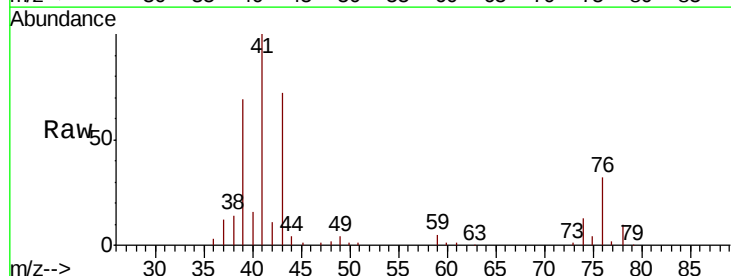
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

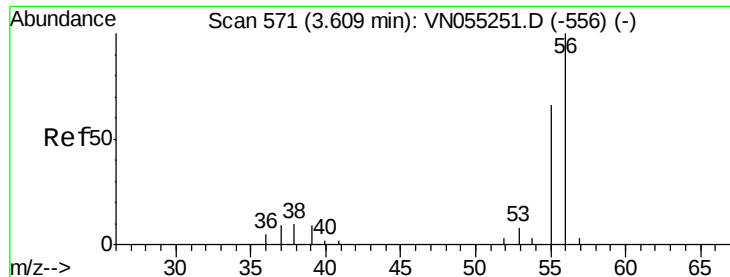
Tot Ion:142 Resp: 114125
Ion Ratio Lower Upper
142 100
127 44.6 20.9 62.7
141 14.5 7.6 22.8



#12
Methyl Acetate
Concen: 19.696 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 43 Resp: 106709
Ion Ratio Lower Upper
43 100
74 18.4 17.7 26.5





#13

Acrolein

Concen: 87.651 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

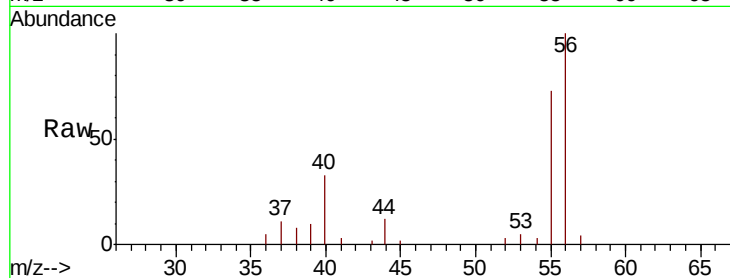
VN0426WBS01

Tot Ion: 56 Resp: 21125

Ion Ratio Lower Upper

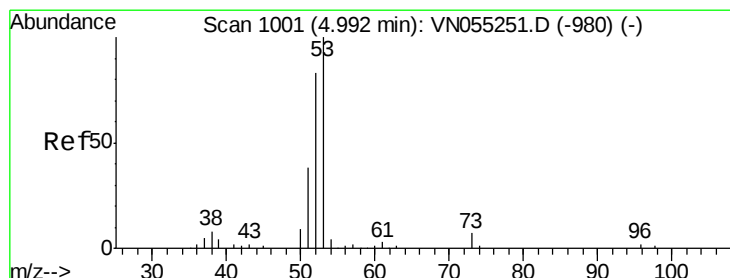
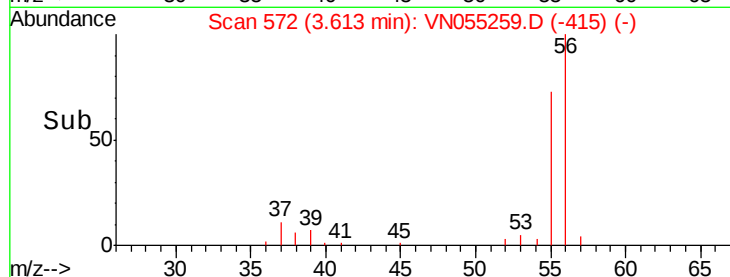
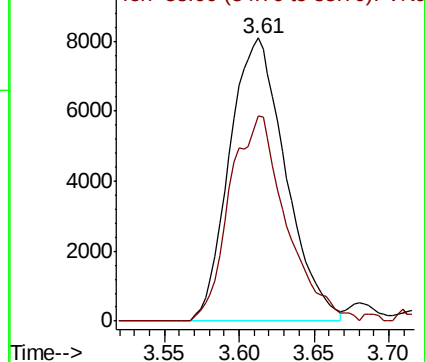
56 100

55 23.6 54.9 82.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 97.512 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

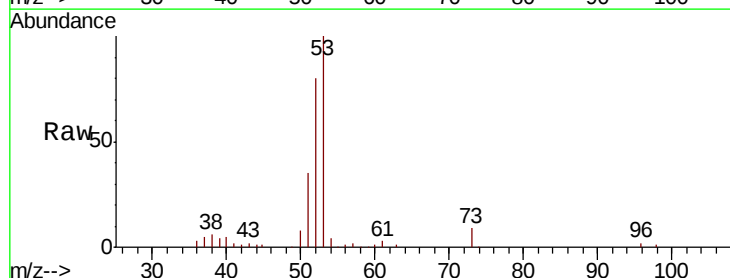
Tgt Ion: 53 Resp: 187651

Ion Ratio Lower Upper

53 100

52 81.1 41.0 123.2

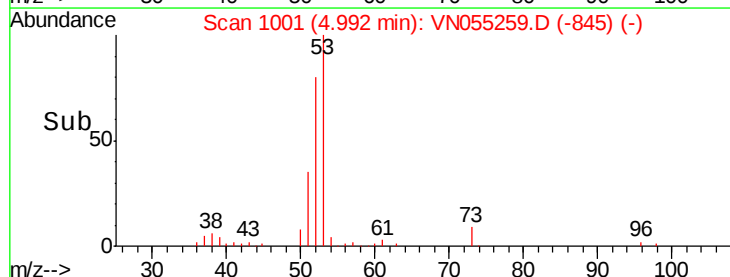
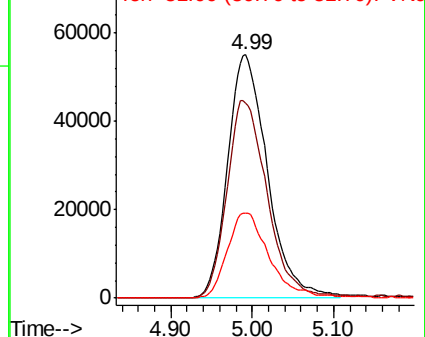
51 36.2 18.1 54.4

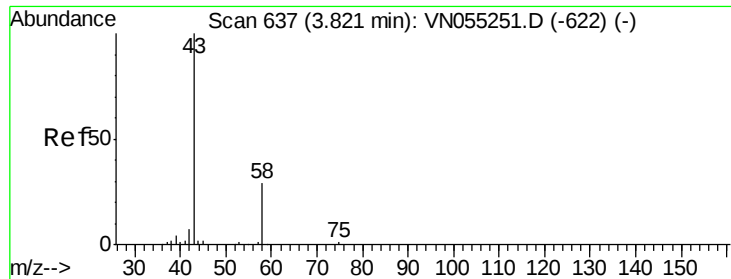


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 87.489 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

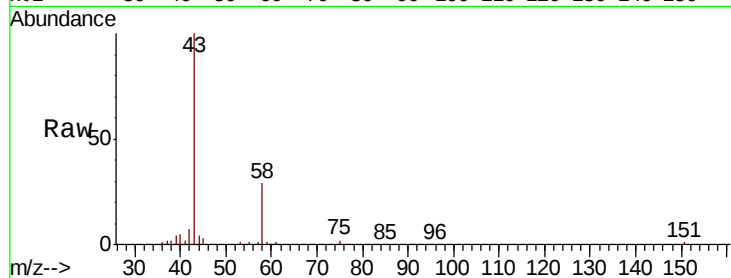
VN0426WBS01

Tot Ion: 58 Resp: 40560

Ion Ratio Lower Upper

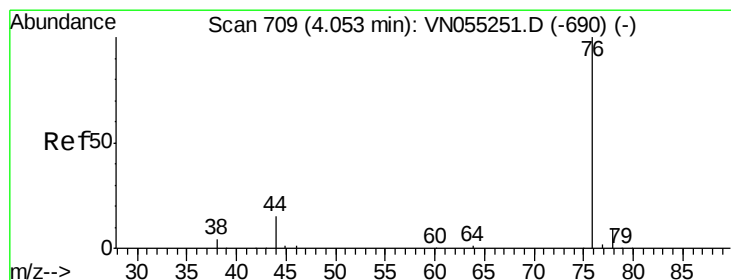
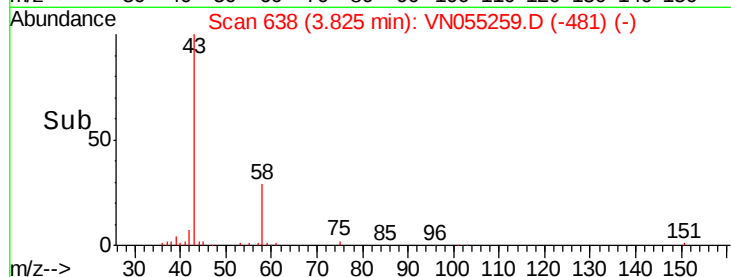
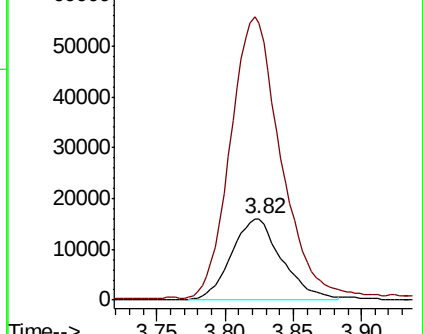
58 100

43 340.2 278.2 417.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.347 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055259.D

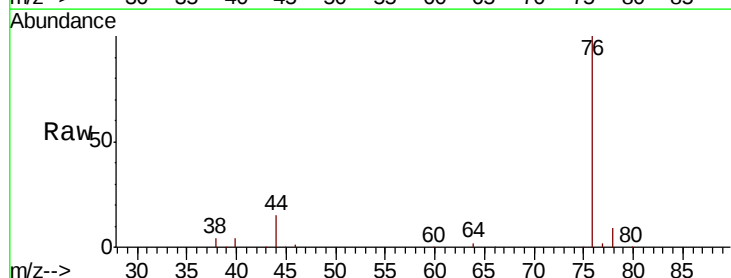
Acq: 25 Apr 2019 22:38

Tgt Ion: 76 Resp: 196286

Ion Ratio Lower Upper

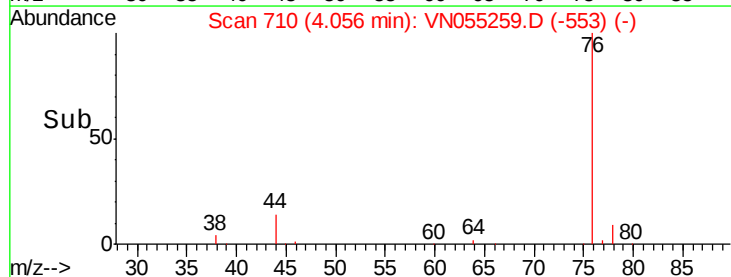
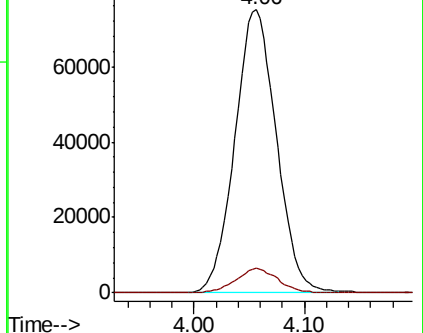
76 100

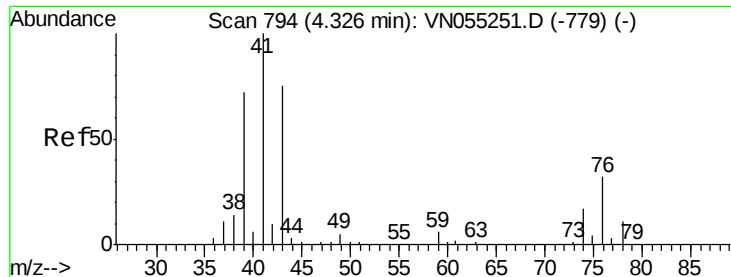
78 8.6 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.392 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

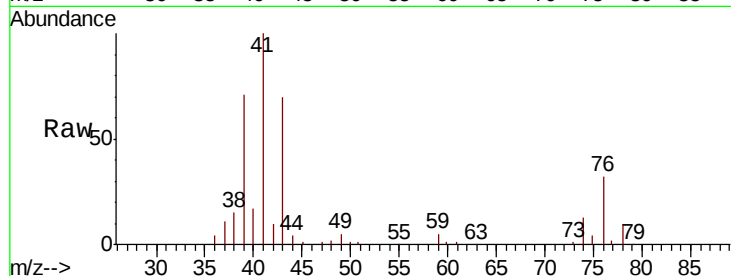
Tot Ion: 41 Resp: 147843

Ion Ratio Lower Upper

41 100

39 70.1 34.4 103.2

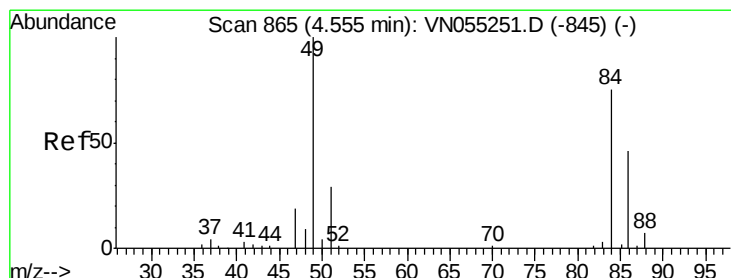
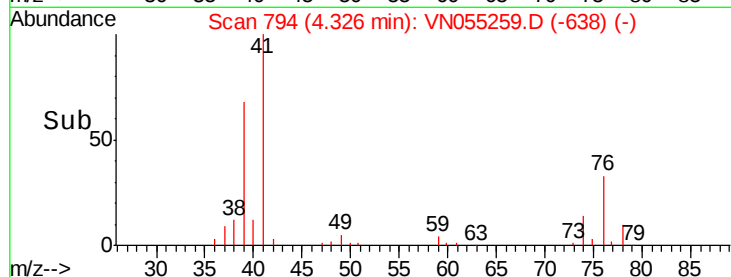
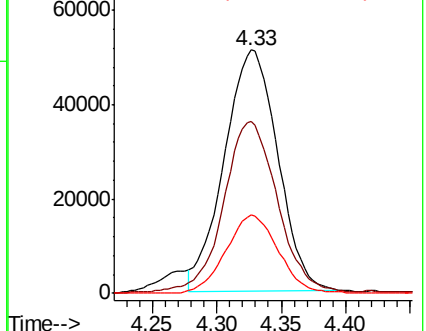
76 32.2 15.3 45.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.155 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion: 84 Resp: 93402

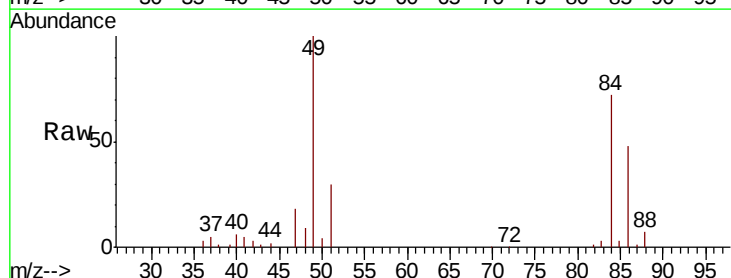
Ion Ratio Lower Upper

84 100

49 138.1 107.2 160.8

51 42.1 31.4 47.2

86 66.4 49.4 74.0

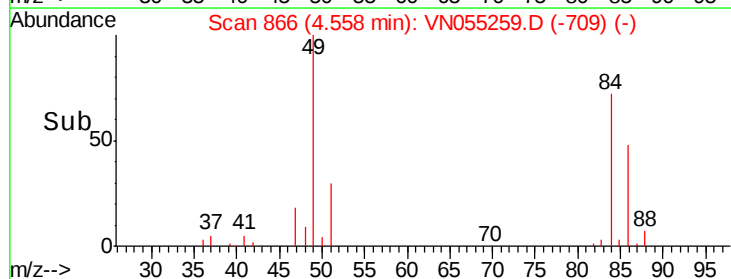
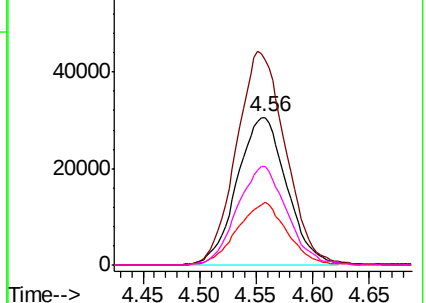


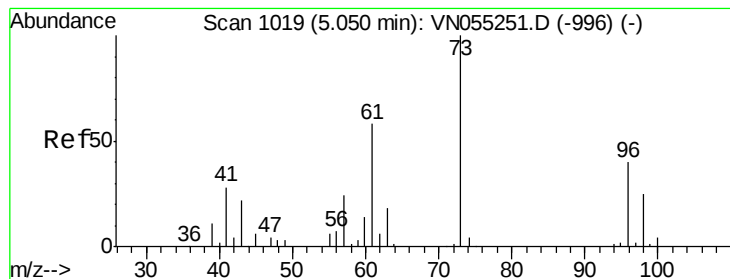
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 20.776 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

VN0426WBS01

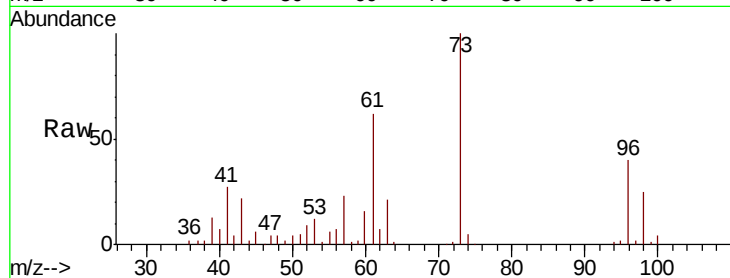
Tot Ion: 96 Resp: 84493

Ion Ratio Lower Upper

96 100

61 152.2 116.3 174.5

98 61.6 49.4 74.2

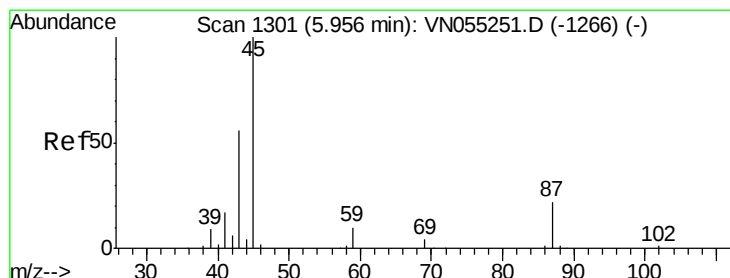
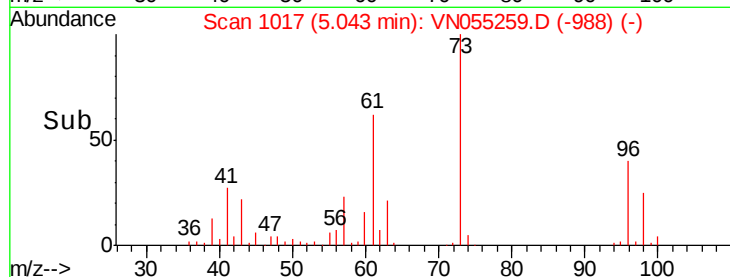
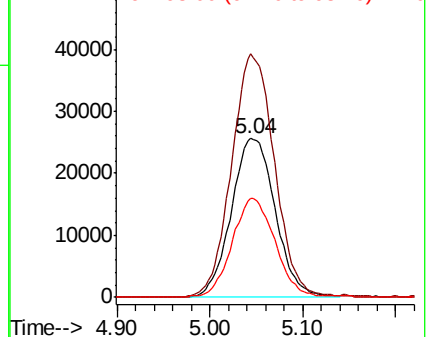


Abundance

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: 20.708 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Tgt Ion: 45 Resp: 339372

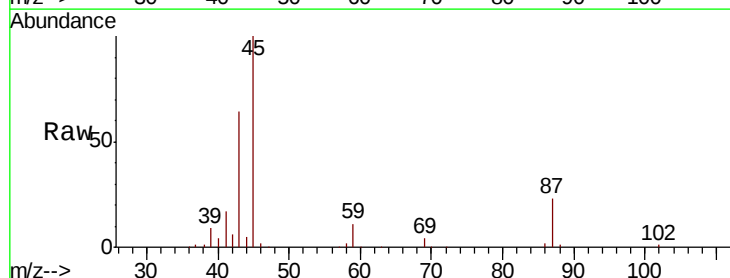
Ion Ratio Lower Upper

45 100

43 60.6 46.1 69.1

87 22.4 18.3 27.5

59 10.4 8.0 12.0



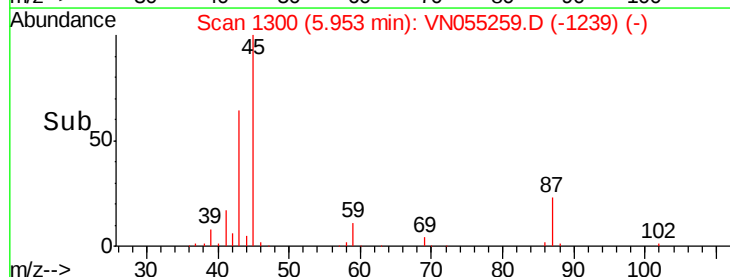
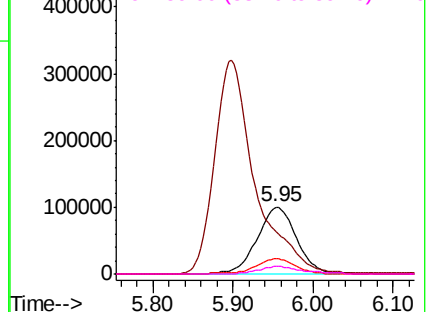
Abundance

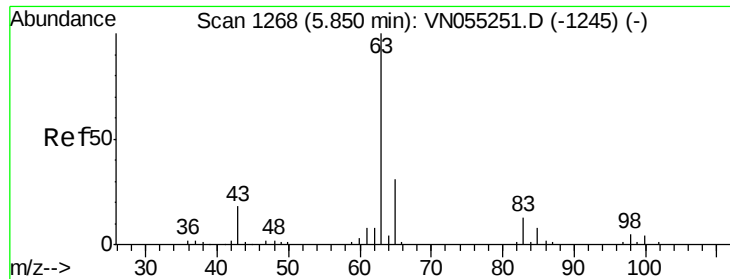
Ion 45.00 (44.70 to 45.70): VN0

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: 20.434 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

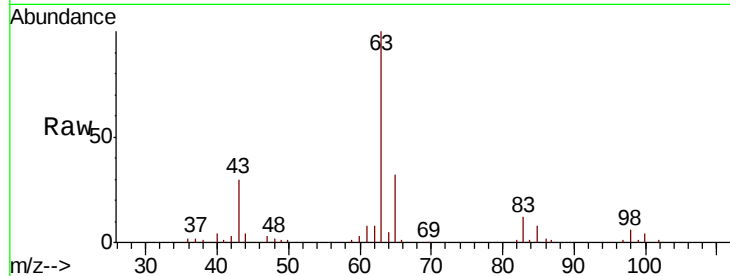
Tot Ion: 63 Resp: 174023

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.3

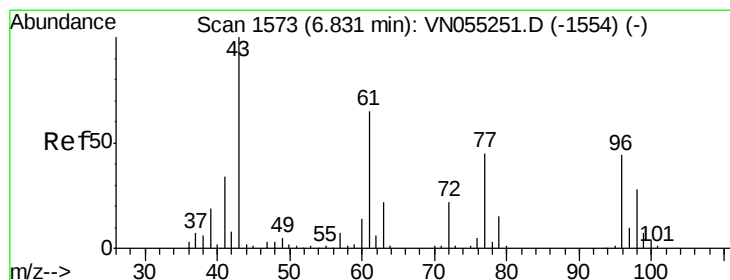
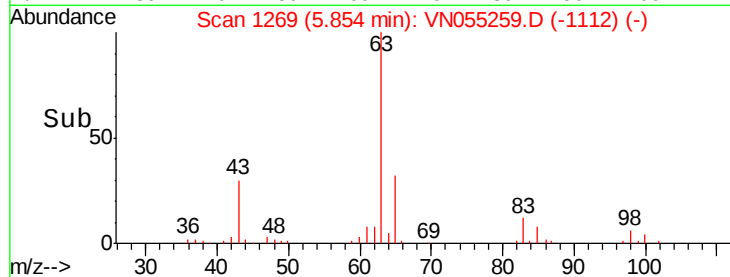
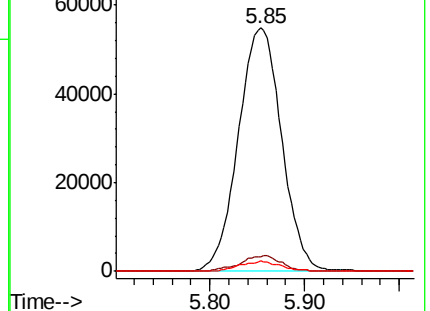
100 4.3 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN055259.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN055259.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN055259.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.859 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

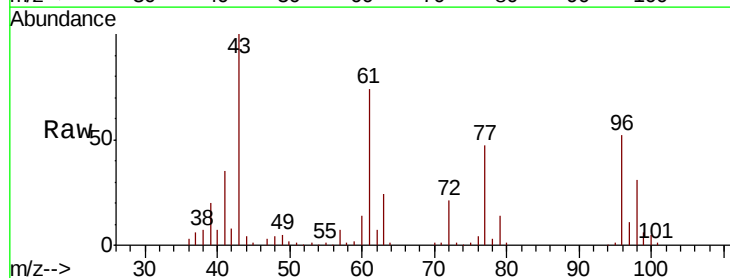
Tgt Ion: 96 Resp: 98278

Ion Ratio Lower Upper

96 100

61 150.2 129.1 193.7

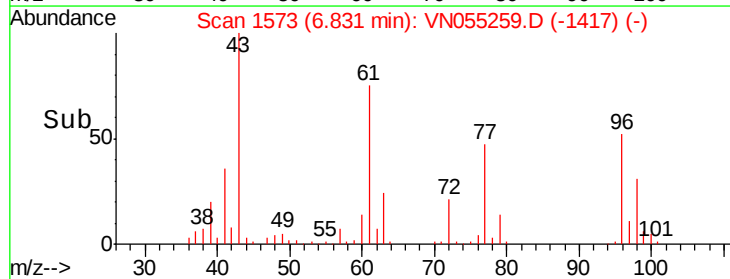
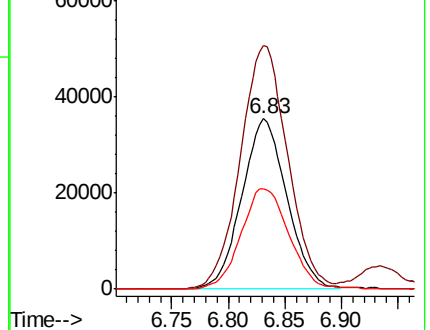
98 62.5 53.2 79.8

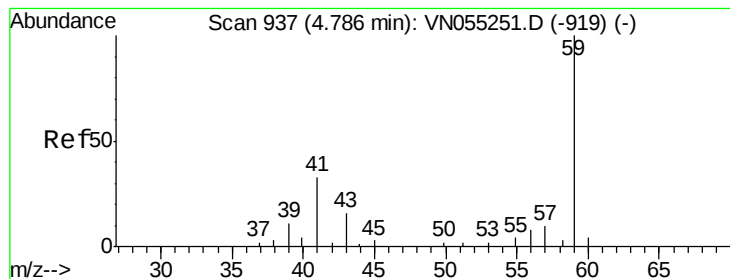


Abundance Ion 96.00 (95.70 to 96.70): VN055259.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055259.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055259.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 92.646 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

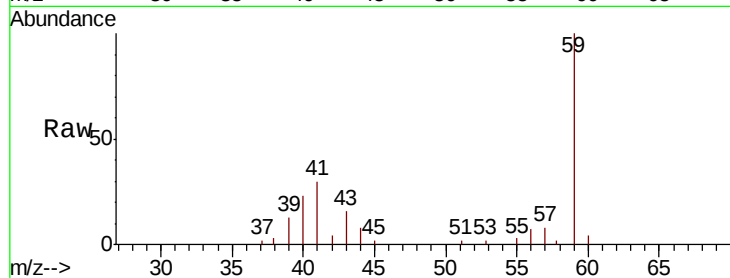
VN0426WBS01

Tot Ion: 59 Resp: 36399

Ion Ratio Lower Upper

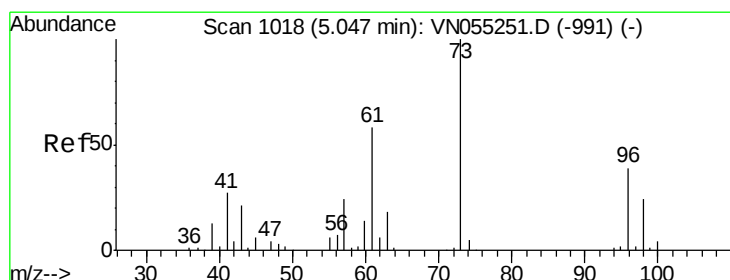
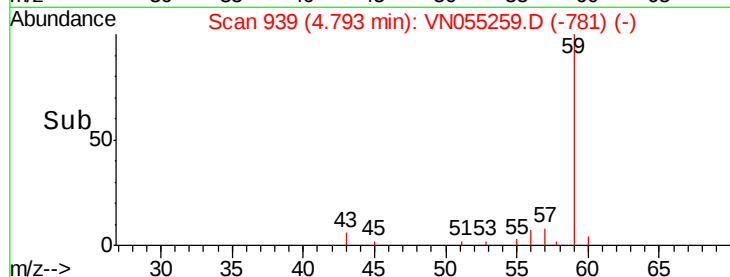
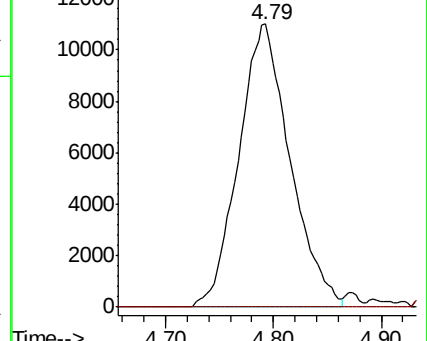
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.130 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055259.D

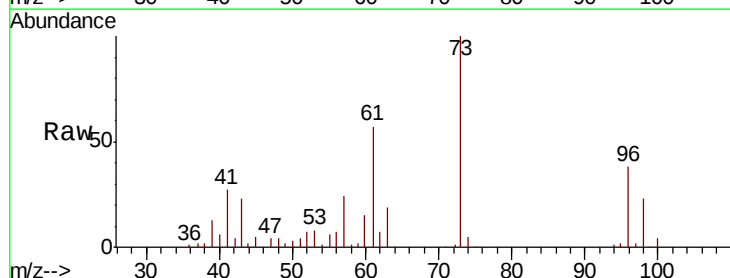
Acq: 25 Apr 2019 22:38

Tgt Ion: 73 Resp: 244859

Ion Ratio Lower Upper

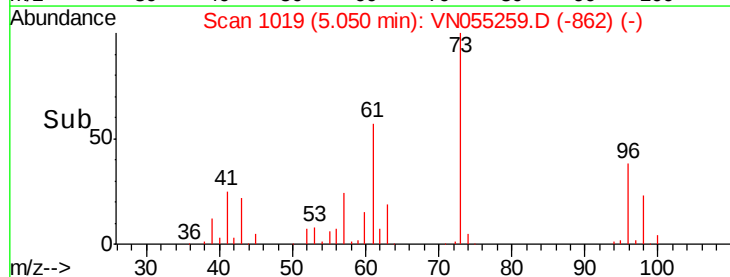
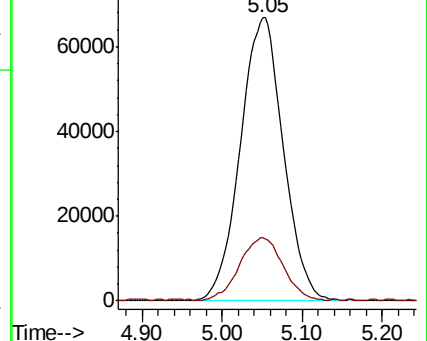
73 100

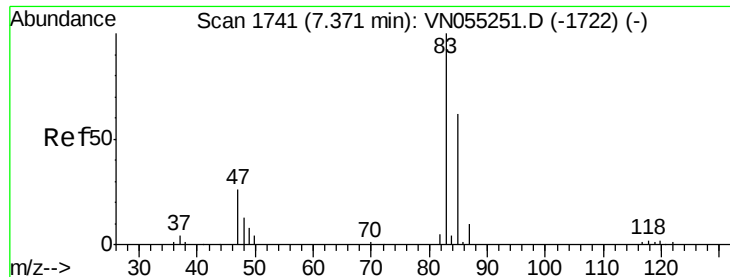
43 22.2 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

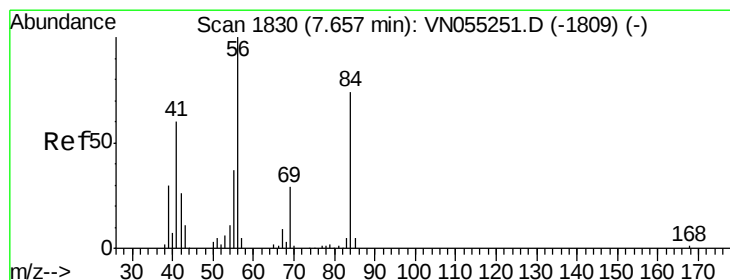
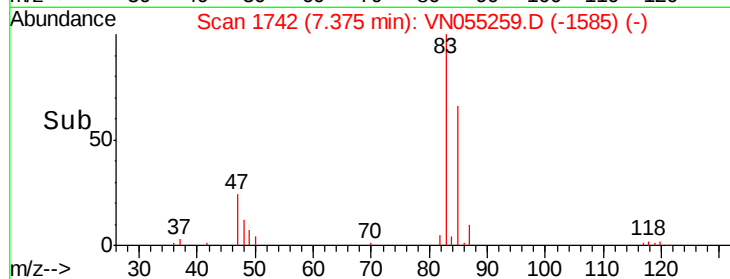
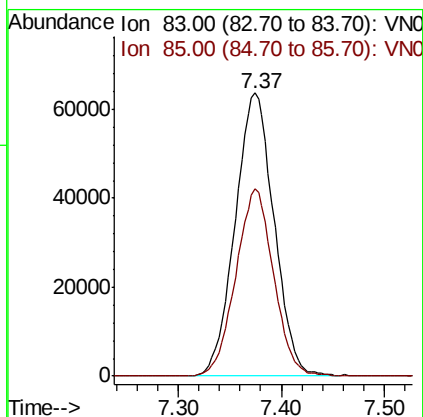
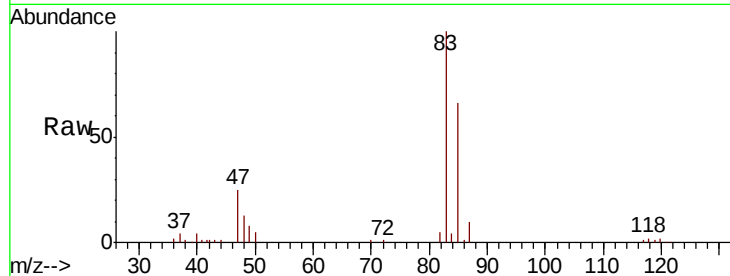




#25
Chloroform
Concen: 20.861 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

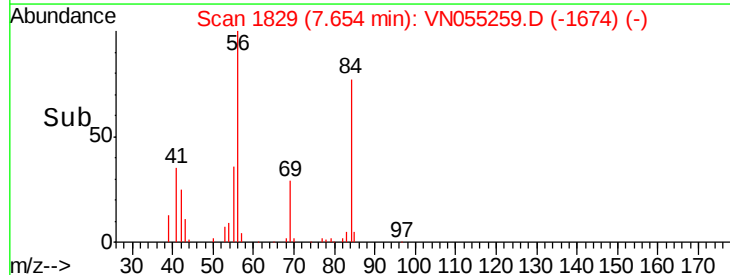
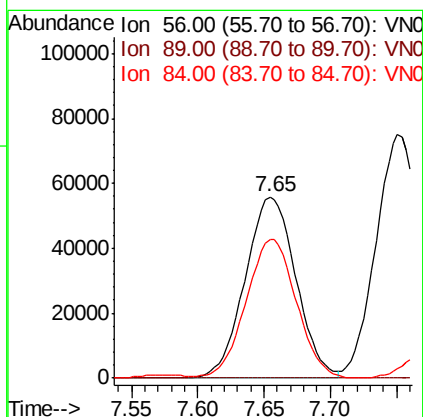
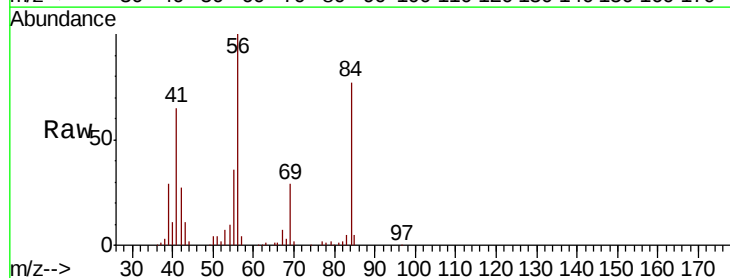
Instrument :
MSVOA_N
ClientSampled :
VN0426WBS01

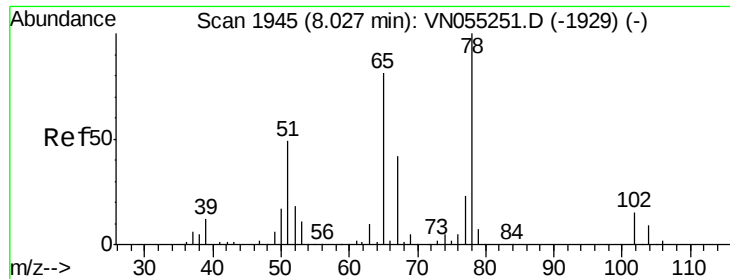
Tot Ion: 83 Resp: 166942
Ion Ratio Lower Upper
83 100
85 66.1 49.7 74.5



#26
Cyclohexane
Concen: 19.975 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 56 Resp: 147741
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.2 63.5 95.3

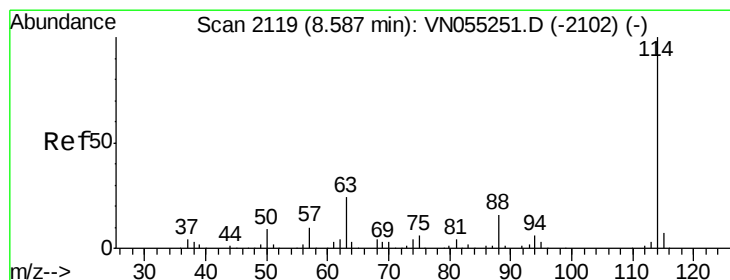
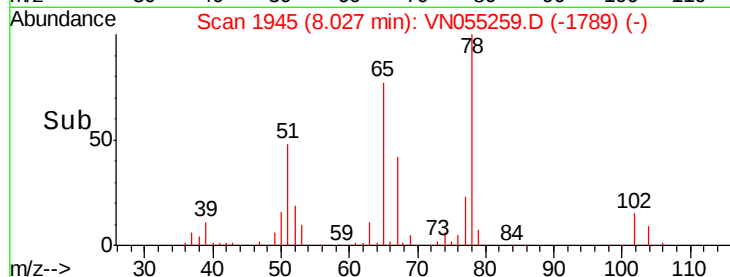
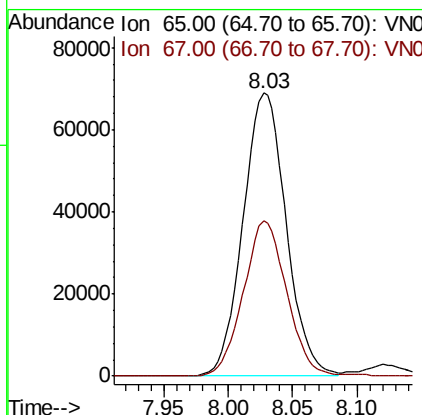
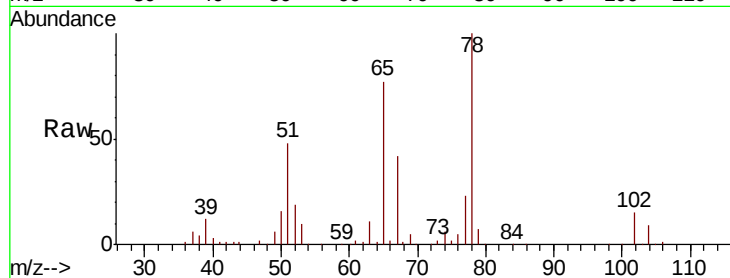




#27
 1,2-Dichloroethane-d4
 Concen: 19.975 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

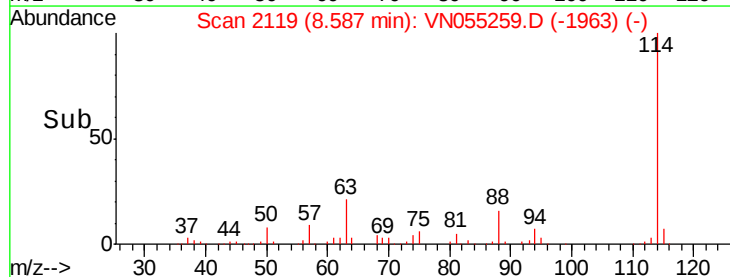
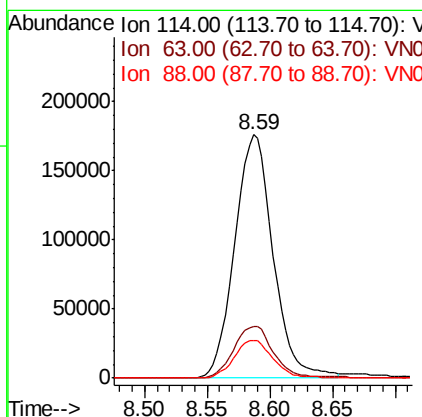
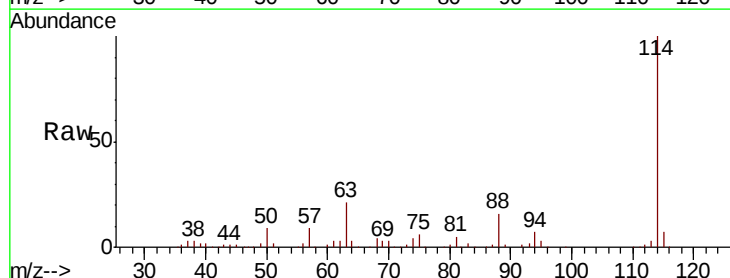
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

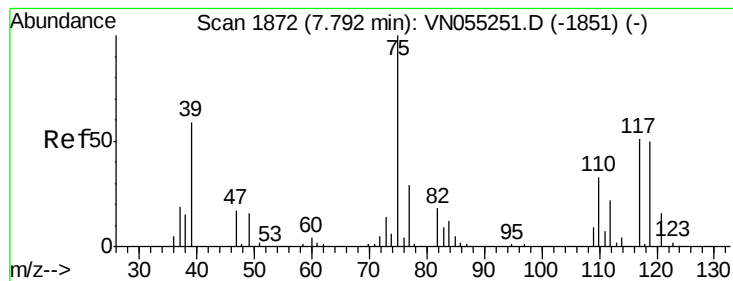
Tot Ion: 65 Resp: 160674
 Ion Ratio Lower Upper
 65 100
 67 54.9 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 114 Resp: 375828
 Ion Ratio Lower Upper
 114 100
 63 21.9 18.2 27.2
 88 15.5 12.6 18.8





#29

1,1-Dichloropropene

Concen: 19.915 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

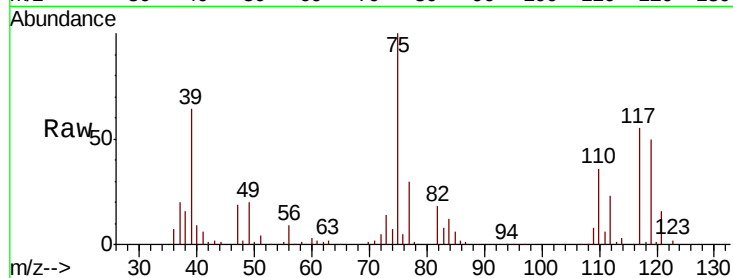
Tot Ion: 75 Resp: 118618

Ion Ratio Lower Upper

75 100

110 33.9 0.0 68.6

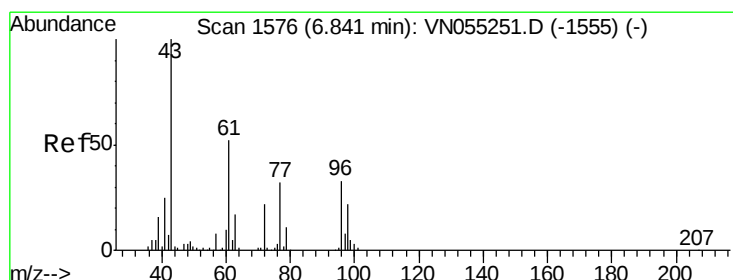
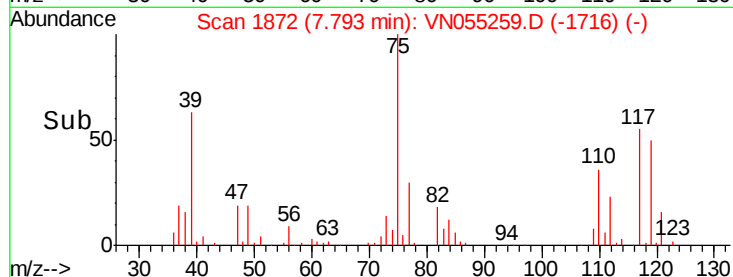
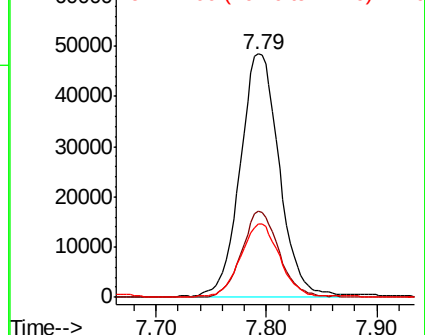
77 30.4 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 93.062 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

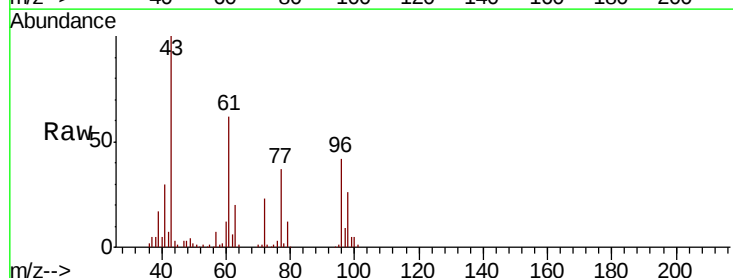
Tgt Ion: 43 Resp: 224635

Ion Ratio Lower Upper

43 100

57 7.4 6.0 9.0

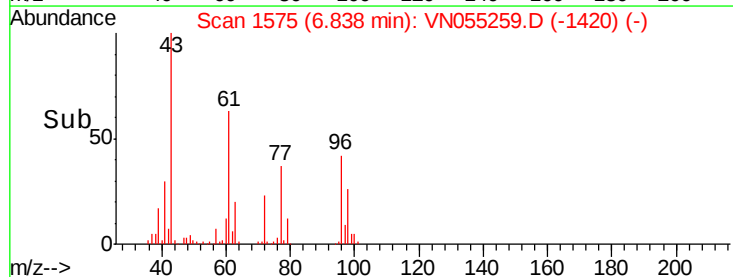
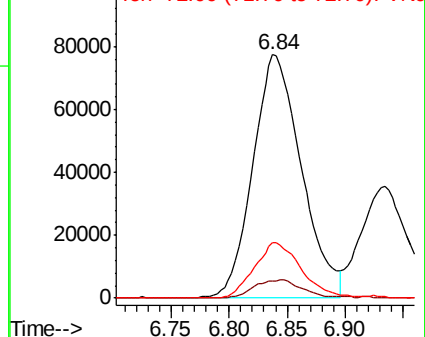
72 22.2 17.9 26.9

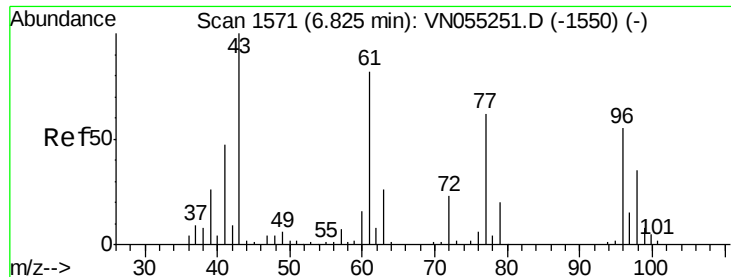


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 18.193 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

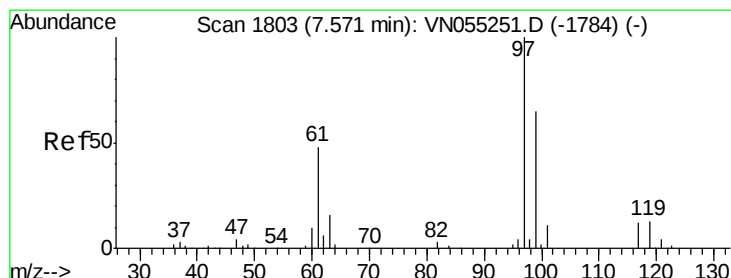
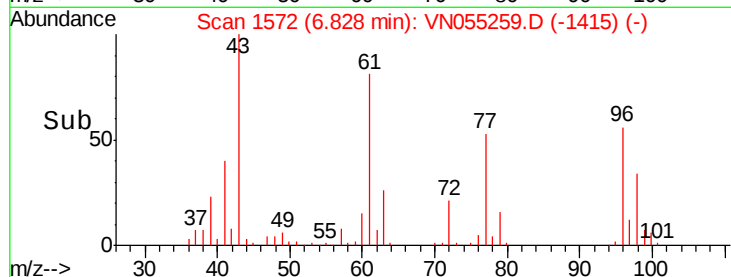
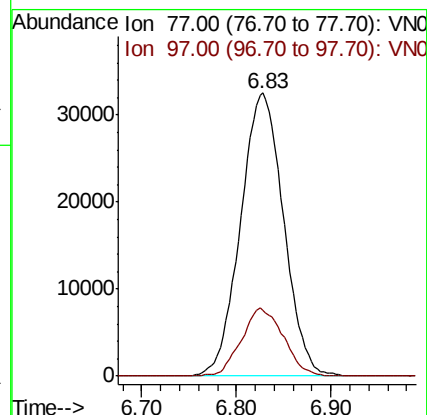
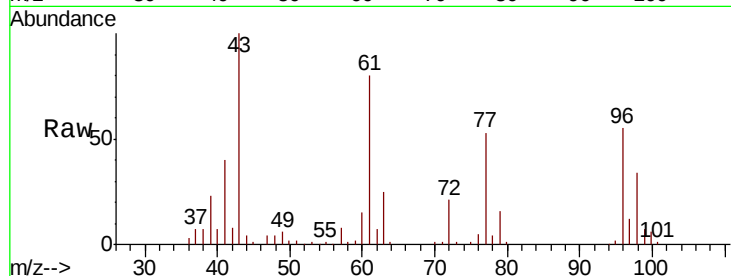
VN0426WBS01

Tot Ion: 77 Resp: 102635

Ion Ratio Lower Upper

77 100

97 23.4 18.6 28.0



#32

1,1,1-Trichloroethane

Concen: 20.318 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

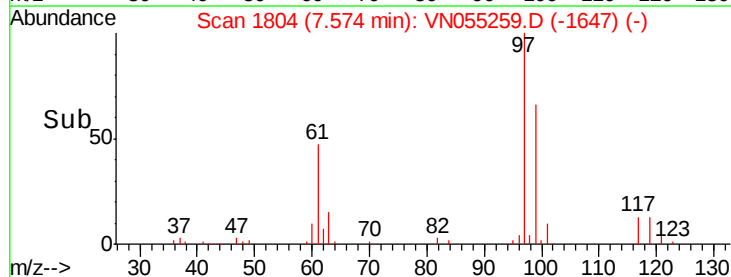
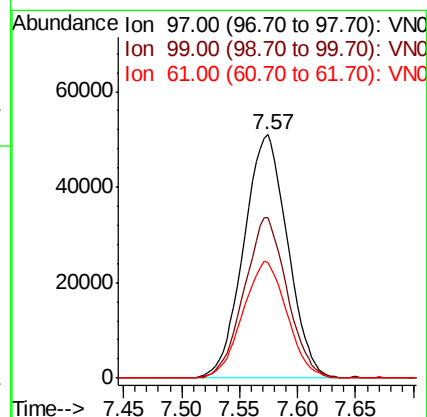
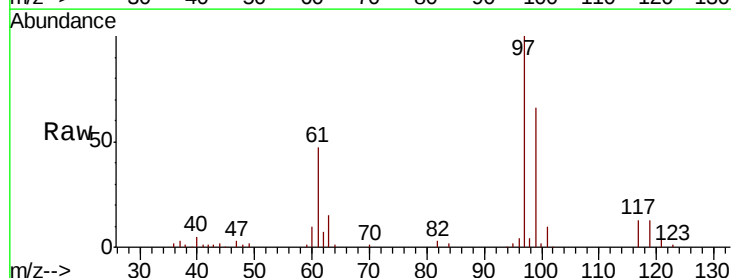
Tgt Ion: 97 Resp: 134530

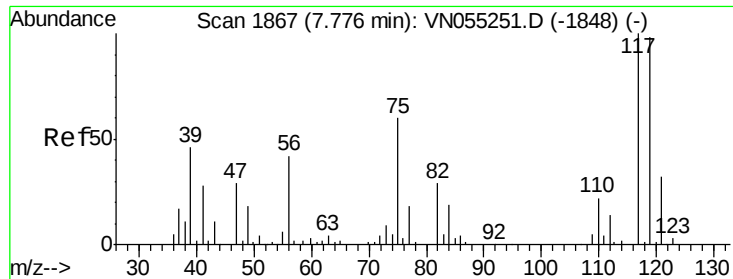
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 48.0 38.3 57.5

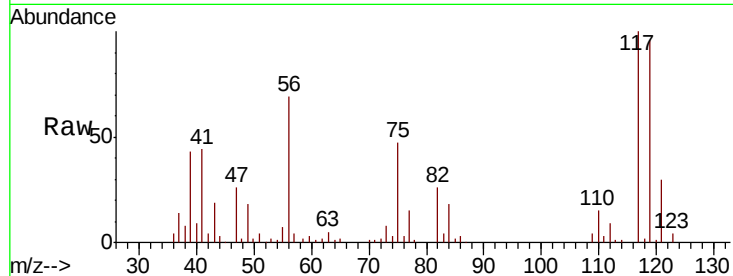




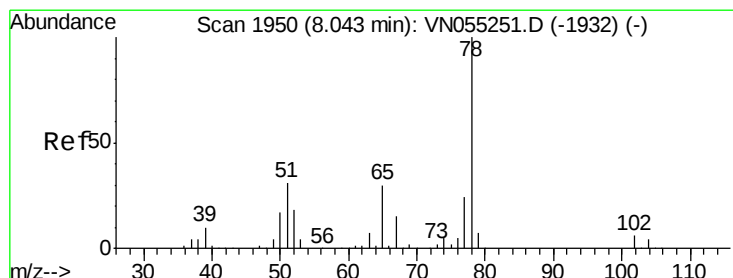
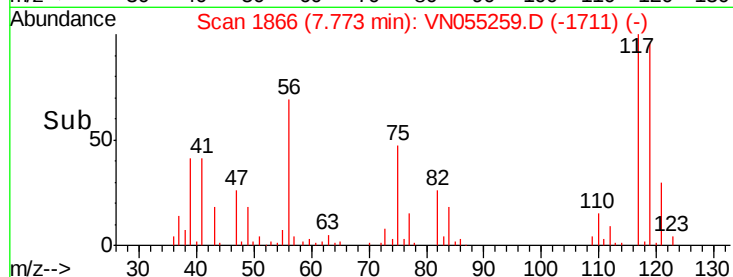
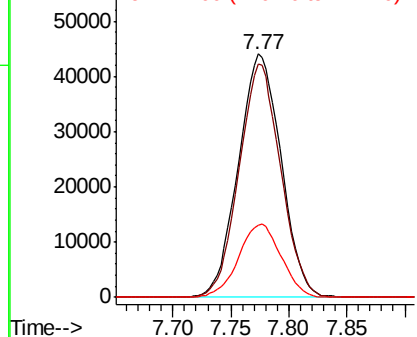
#33
Carbon Tetrachloride
Concen: 20.397 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion:117 Resp: 112608
Ion Ratio Lower Upper
117 100
119 95.9 78.7 118.1
121 29.9 25.8 38.6

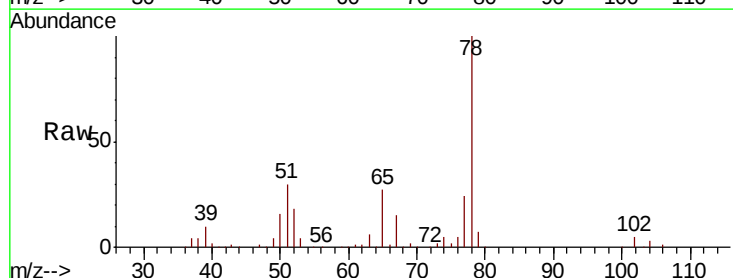


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

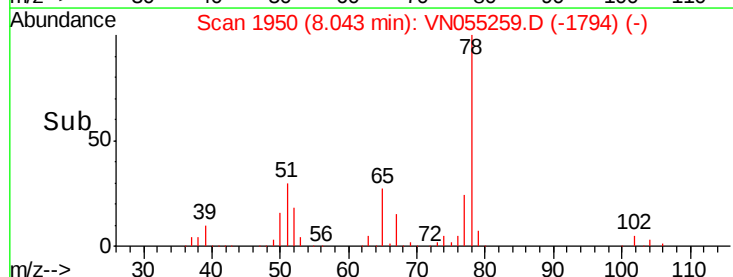
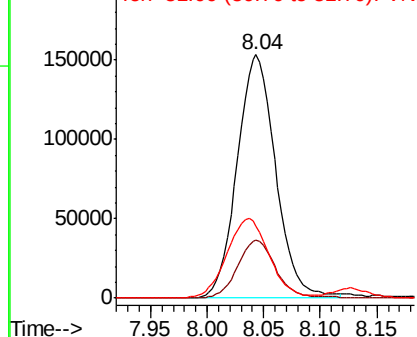


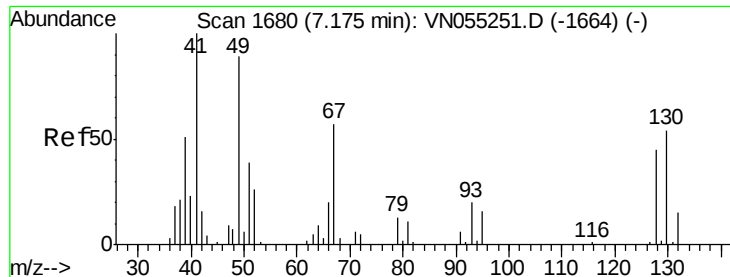
#34
Benzene
Concen: 20.457 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 78 Resp: 364789
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7
51 29.1 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

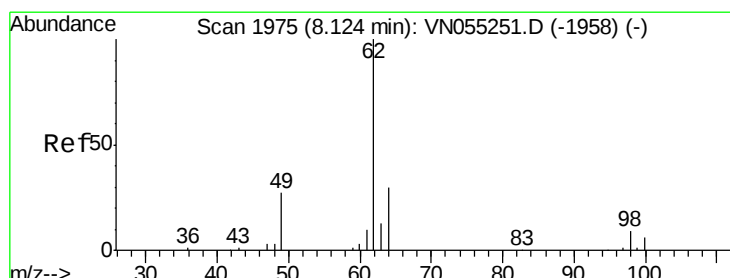
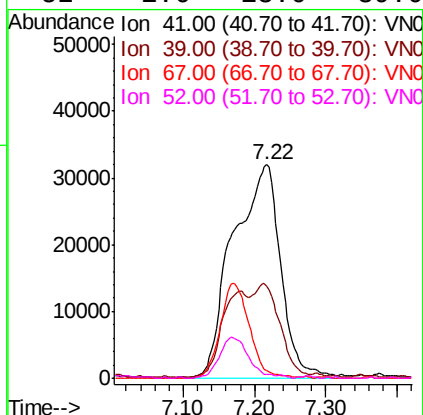
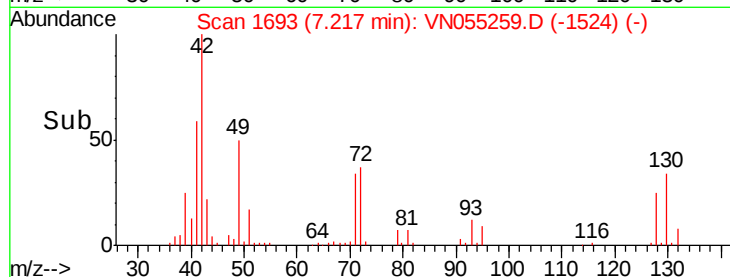
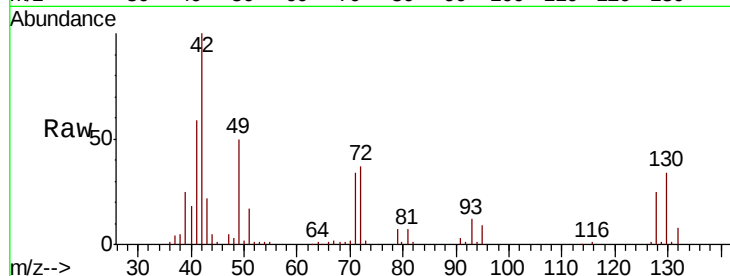




#35
Methacrylonitrile
Concen: 53.193 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.04 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

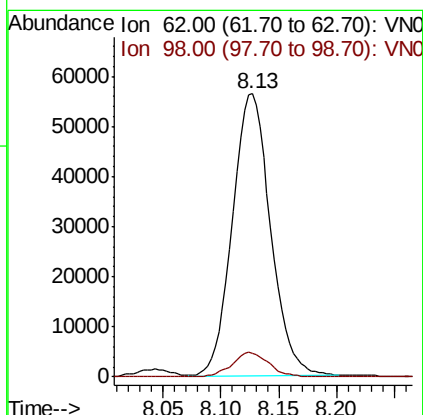
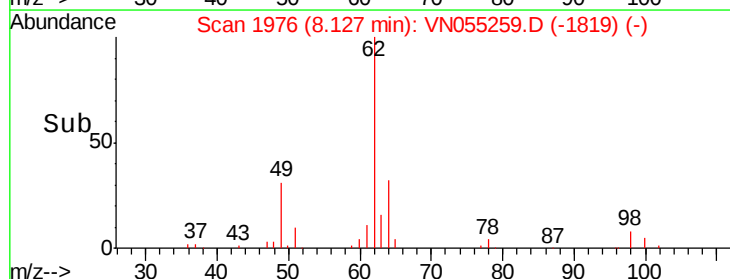
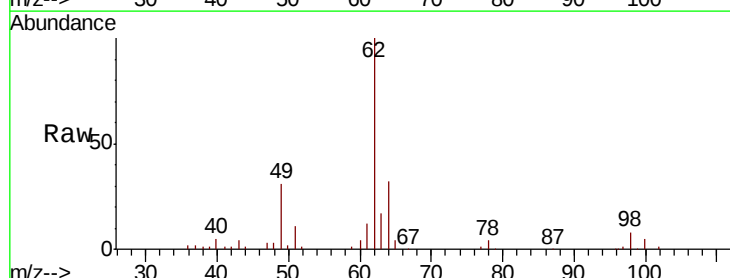
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

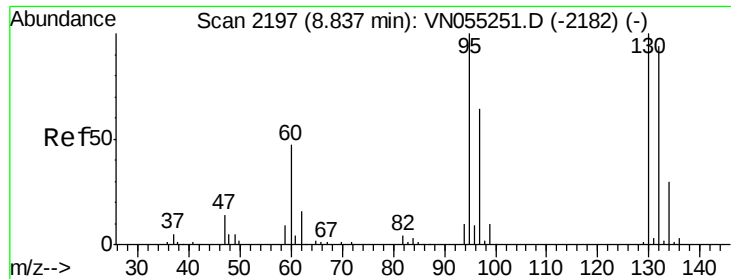
Tot Ion: 41 Resp: 148084
Ion Ratio Lower Upper
41 100
39 42.5 25.3 75.8
67 3.7 28.7 86.1#
52 1.6 13.0 39.0#



#36
1,2-Dichloroethane
Concen: 20.230 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 62 Resp: 128685
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2

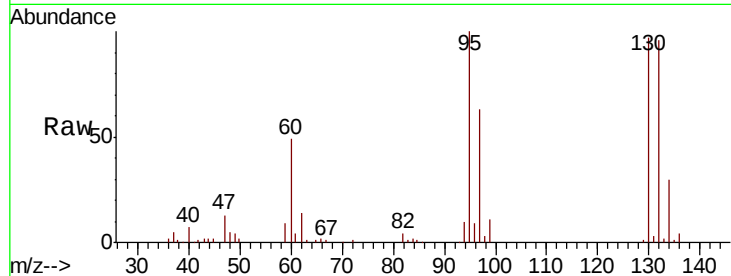




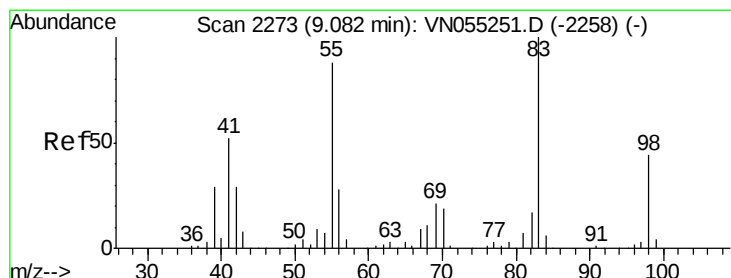
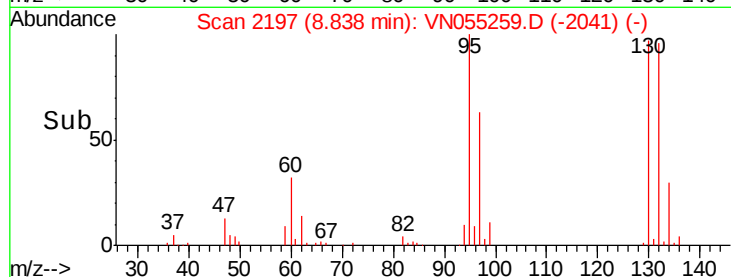
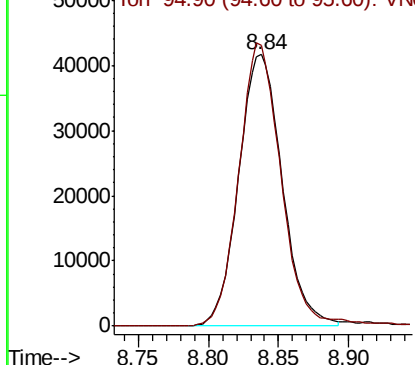
#37
 Trichloroethene
 Concen: 19.972 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion:130 Resp: 89883
 Ion Ratio Lower Upper
 130 100
 95 103.4 79.9 119.9

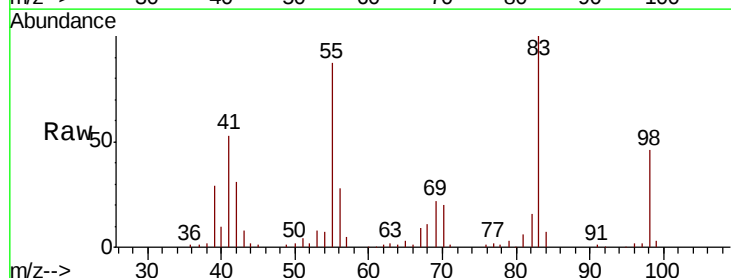


Abundance Ion 129.90 (129.60 to 130.60): VN055259.D (-2041) (-)
 Ion 94.90 (94.60 to 95.60): VN055259.D (-2041) (-)

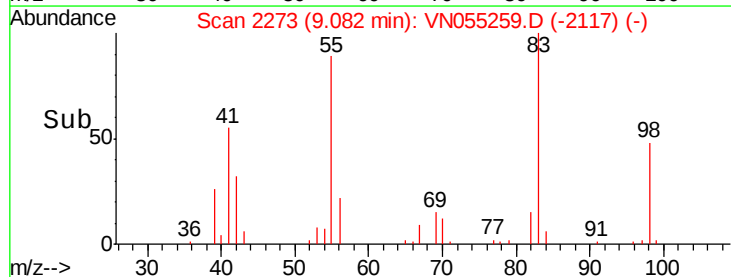
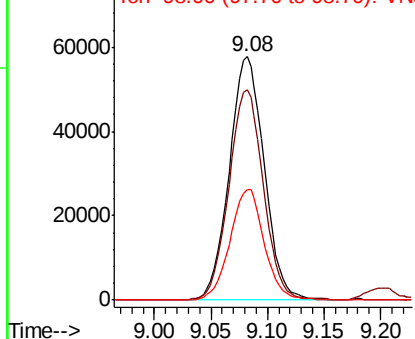


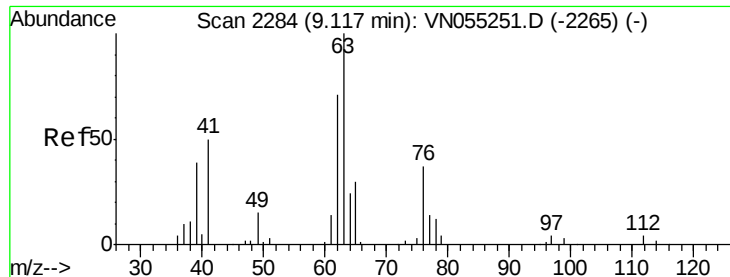
#38
 Methylcyclohexane
 Concen: 19.441 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 83 Resp: 123883
 Ion Ratio Lower Upper
 83 100
 55 85.4 43.8 131.4
 98 44.7 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VN055259.D (-2117) (-)
 Ion 55.00 (54.70 to 55.70): VN055259.D (-2117) (-)
 Ion 98.00 (97.70 to 98.70): VN055259.D (-2117) (-)

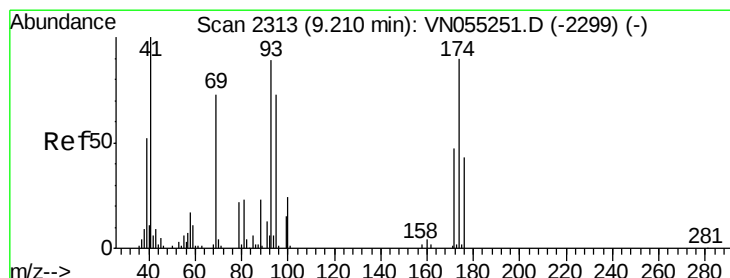
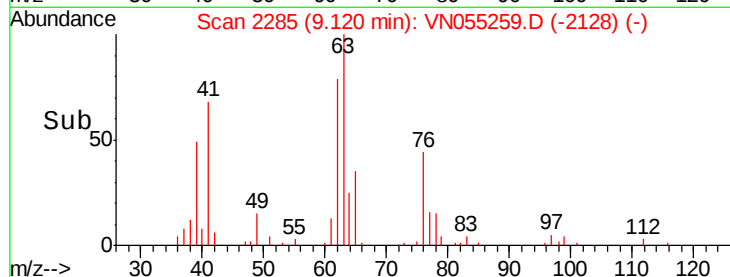
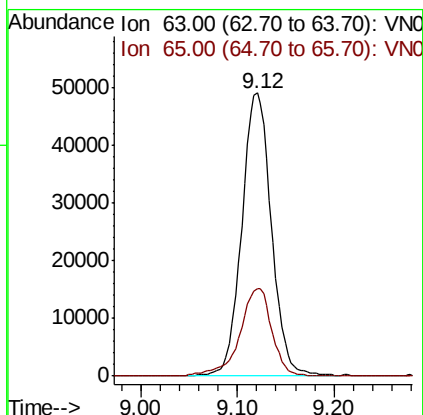
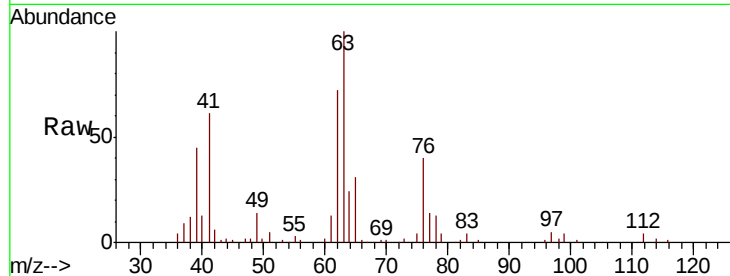




#39
 1,2-Dichloropropane
 Concen: 20.471 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

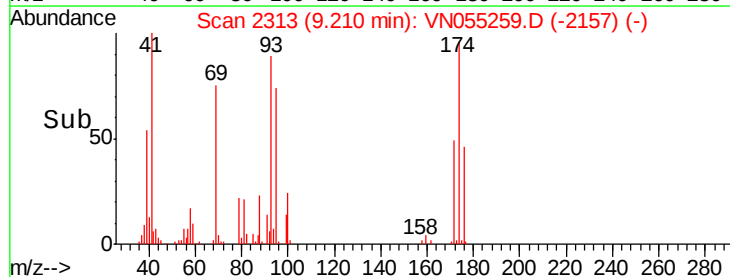
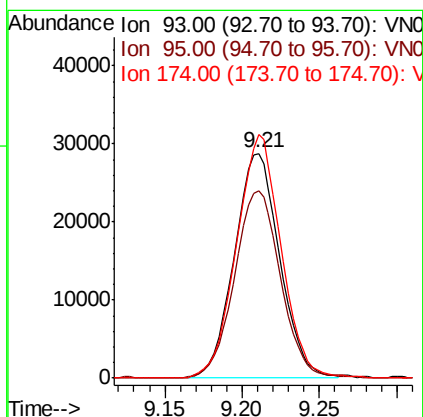
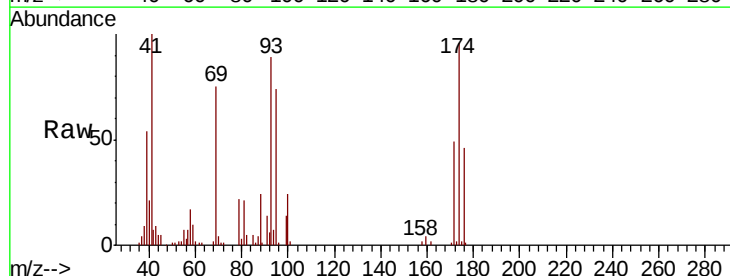
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

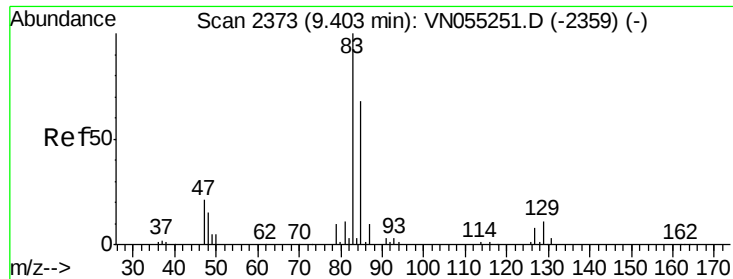
Tot Ion: 63 Resp: 104496
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8



#40
 Dibromomethane
 Concen: 19.869 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 93 Resp: 58765
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 164.8
 174 106.2 0.0 203.4





#41

Bromodichloromethane

Concen: 20.252 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

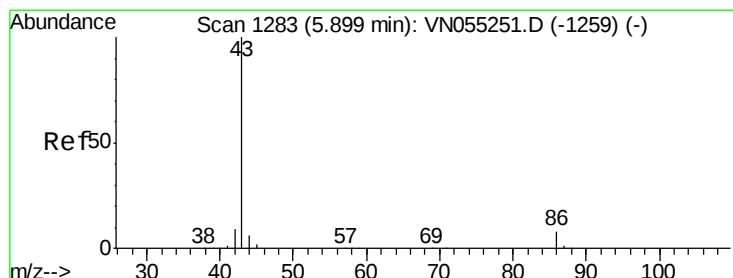
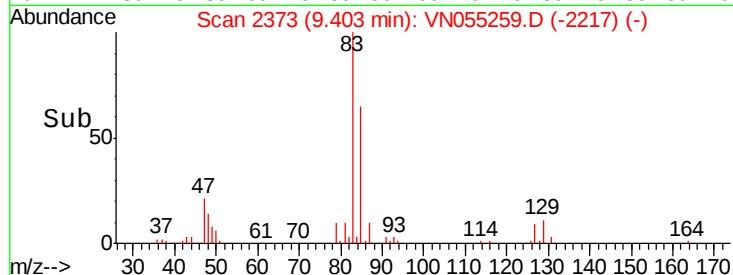
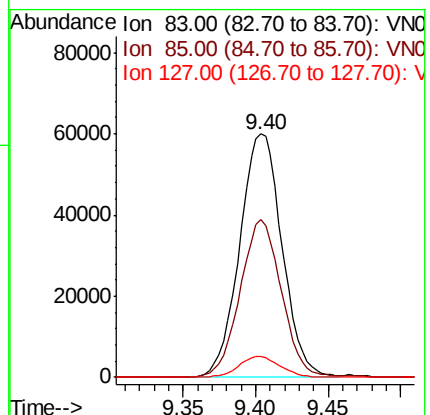
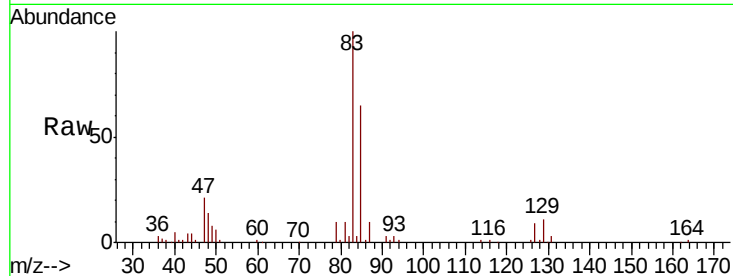
Tot Ion: 83 Resp: 121820

Ion Ratio Lower Upper

83 100

85 65.0 54.5 81.7

127 8.7 6.4 9.6



#42

Vinyl Acetate

Concen: 96.737 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055259.D

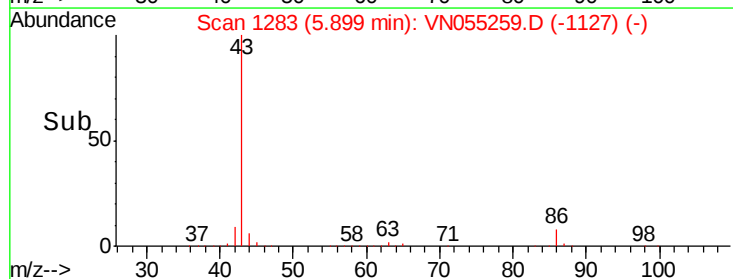
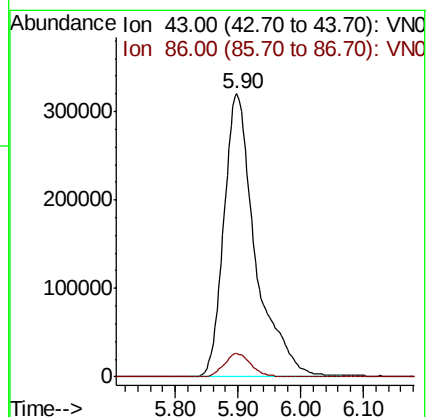
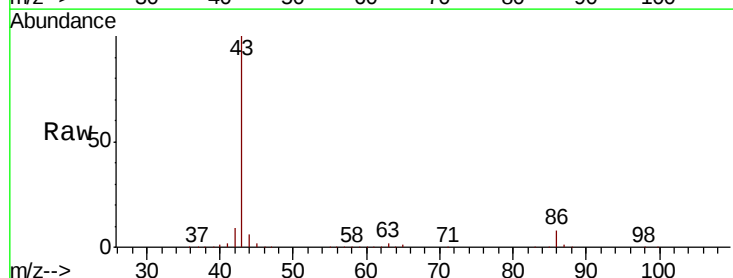
Acq: 25 Apr 2019 22:38

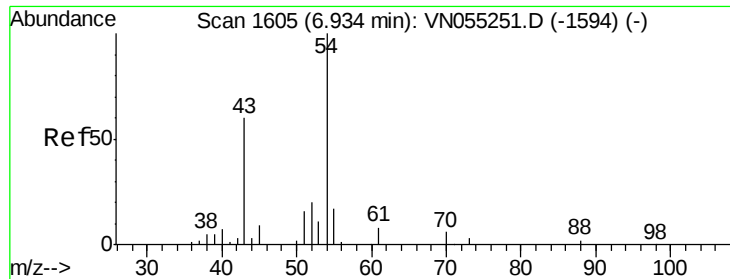
Tgt Ion: 43 Resp: 1118202

Ion Ratio Lower Upper

43 100

86 7.1 5.7 8.5





#43

Ethyl Acetate

Concen: 17.493 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

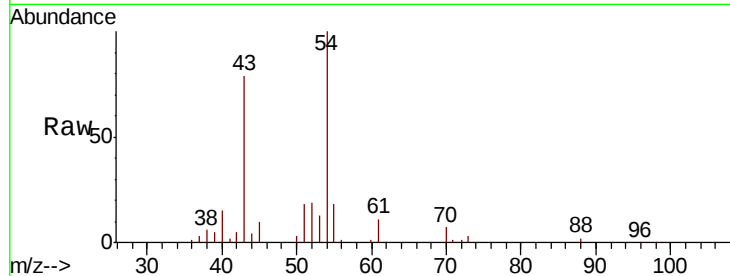
VN0426WBS01

Tot Ion: 43 Resp: 87508

Ion Ratio Lower Upper

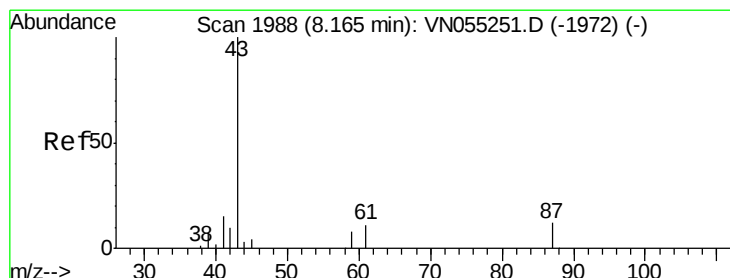
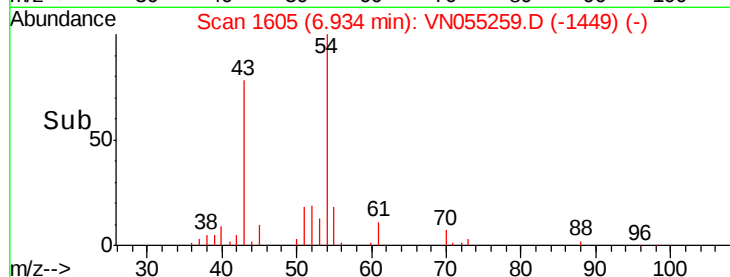
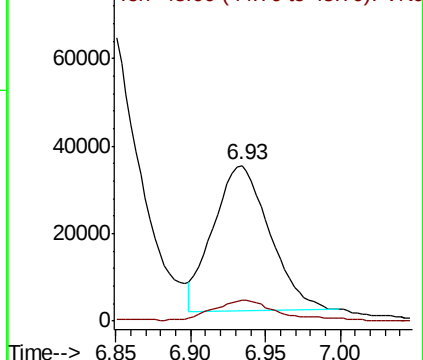
43 100

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: 18.459 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055259.D

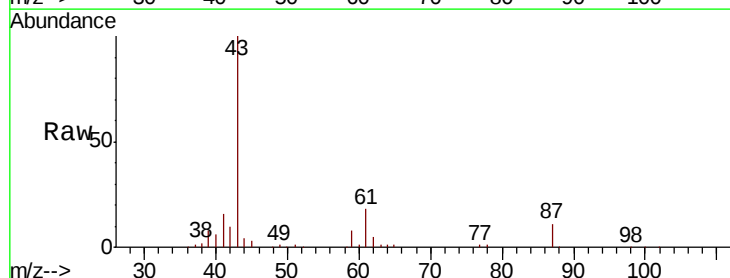
Acq: 25 Apr 2019 22:38

Tgt Ion: 43 Resp: 169923

Ion Ratio Lower Upper

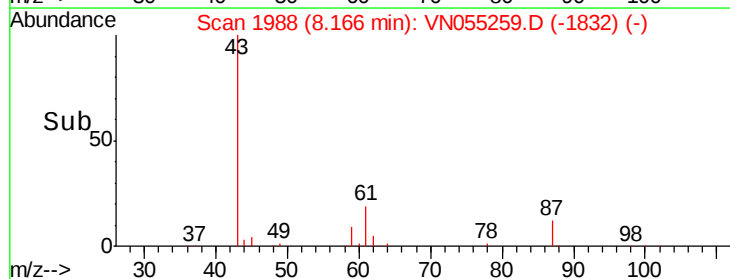
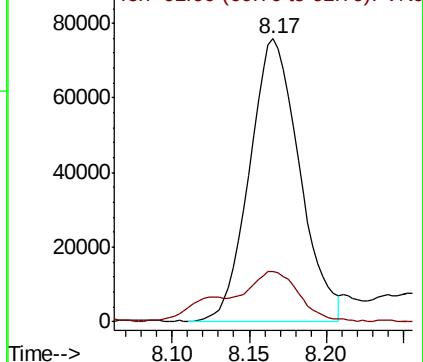
43 100

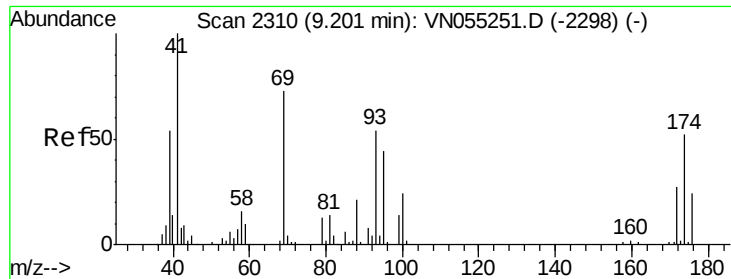
61 17.0 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

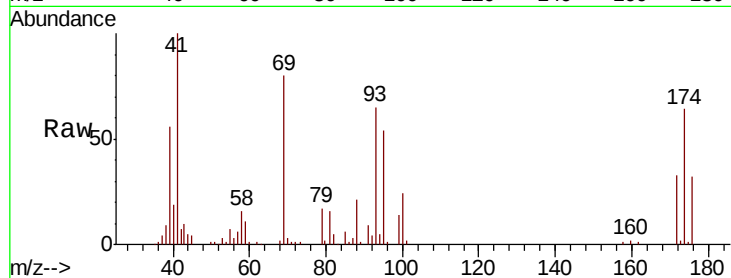




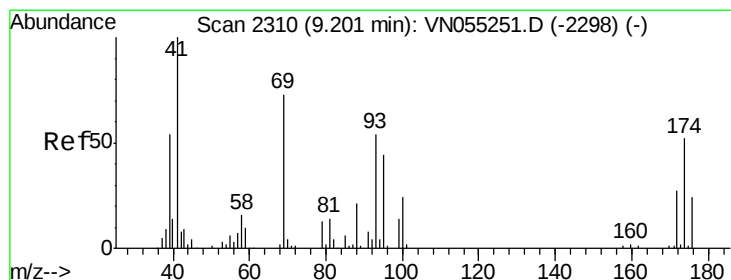
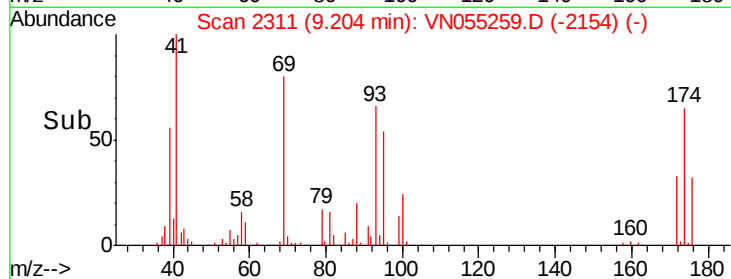
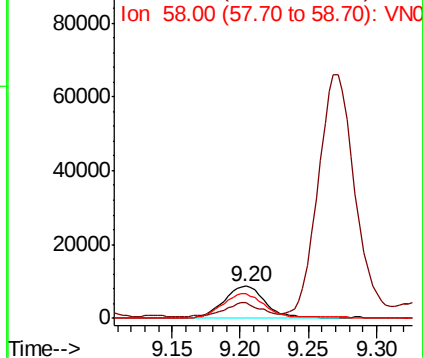
#45
 1,4-Dioxane
 Concen: 389.963 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

Tot Ion: 88 Resp: 18604
 Ion Ratio Lower Upper
 88 100
 43 34.2 29.4 44.0
 58 77.1 62.4 93.6

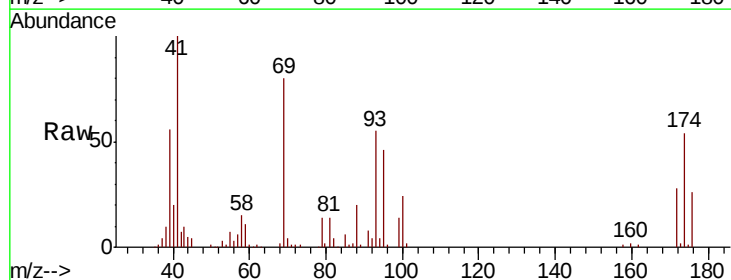


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

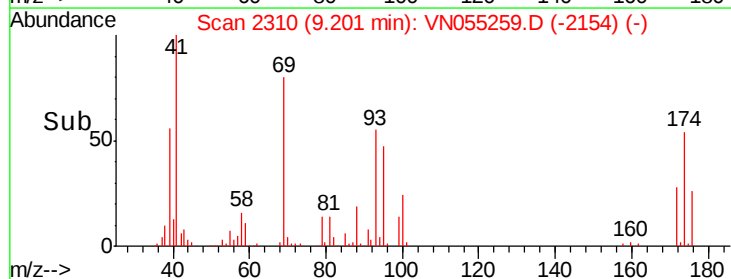
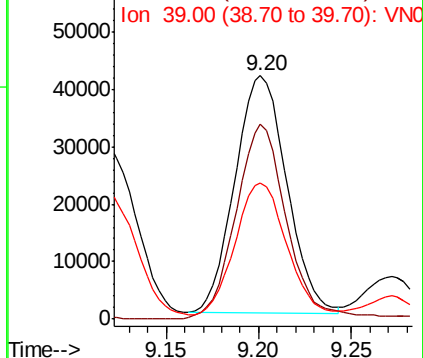


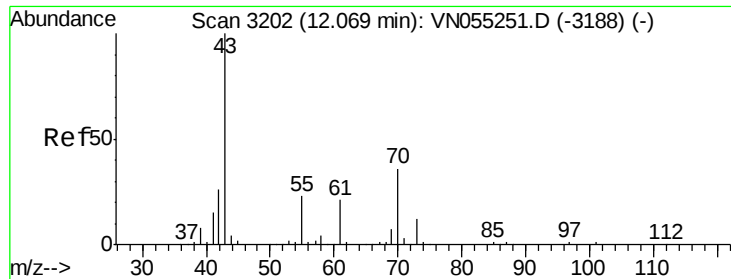
#46
 Methyl methacrylate
 Concen: 18.570 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 41 Resp: 80487
 Ion Ratio Lower Upper
 41 100
 69 81.1 36.4 109.3
 39 55.8 26.9 80.7



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

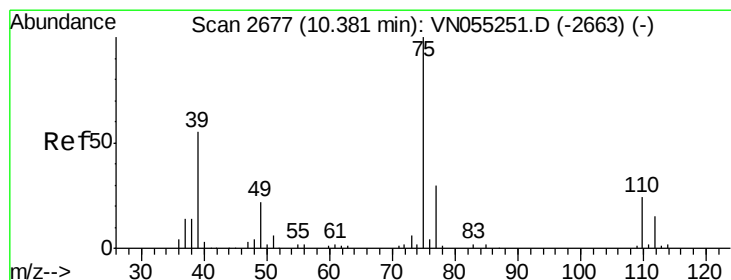
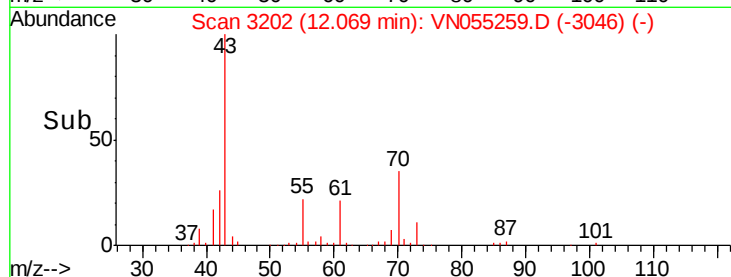
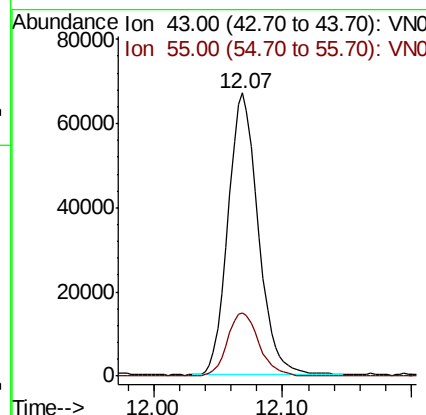
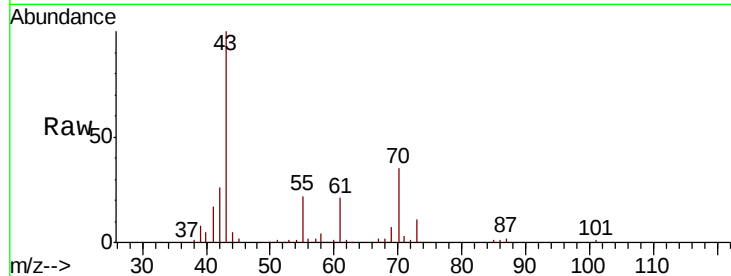




#47
n-amyl Acetate
Concen: 16.563 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

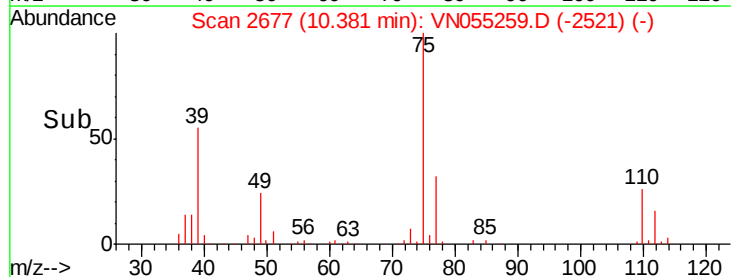
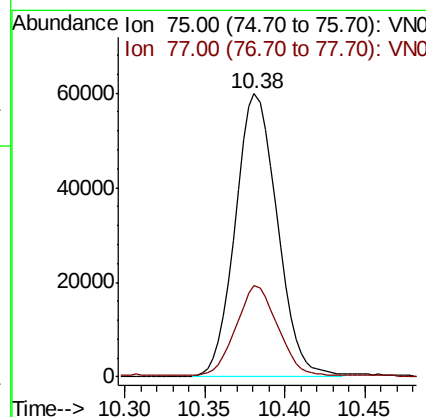
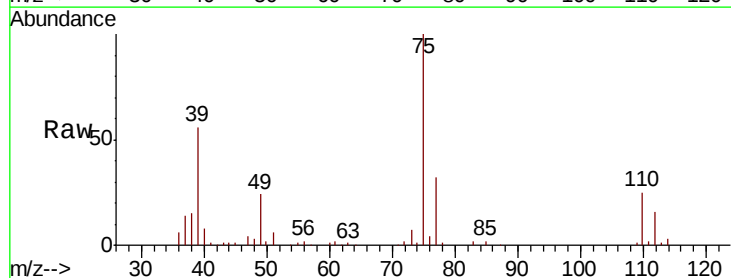
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

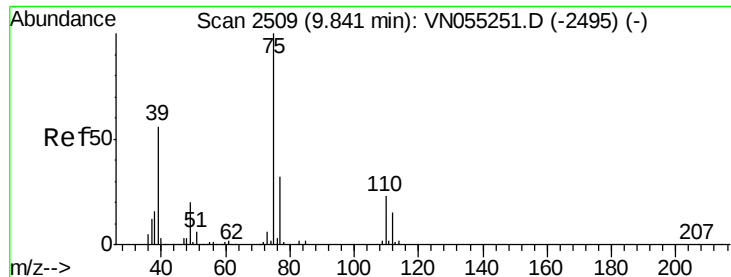
Tot Ion: 43 Resp: 108460
Ion Ratio Lower Upper
43 100
55 23.6 18.1 27.1



#48
t-1,3-Dichloropropene
Concen: 18.185 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 75 Resp: 107633
Ion Ratio Lower Upper
75 100
77 31.5 23.9 35.9



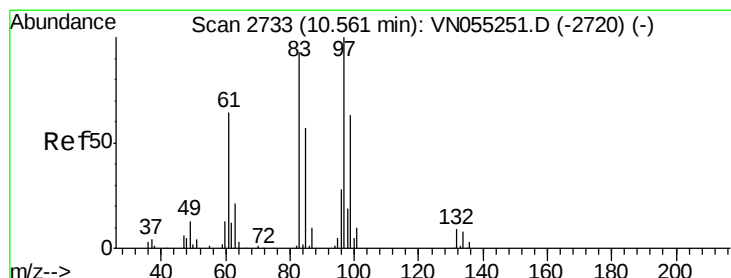
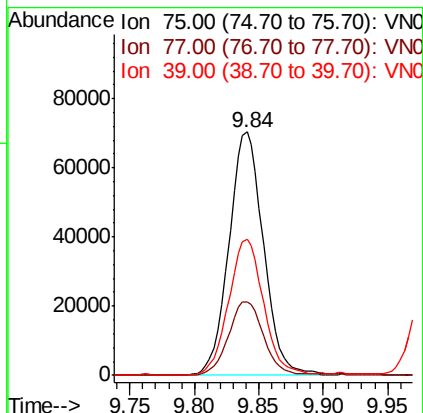
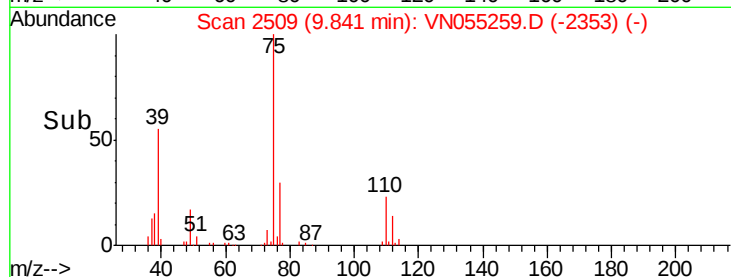
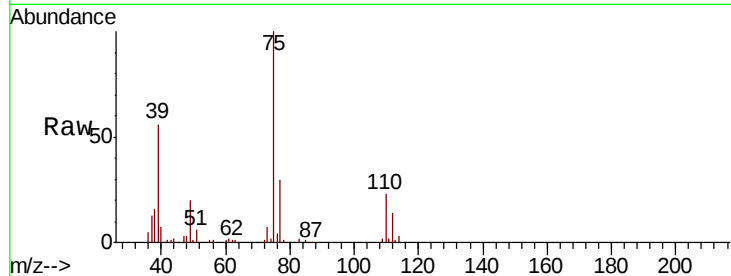


#49

cis-1,3-Dichloropropene
 Concen: 19.132 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

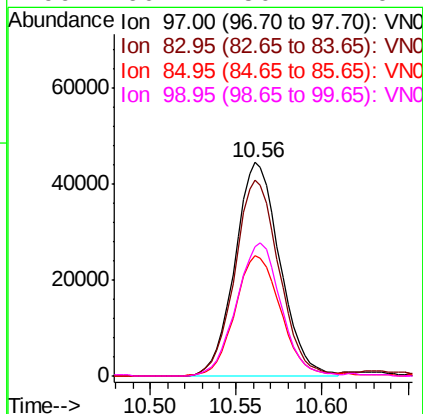
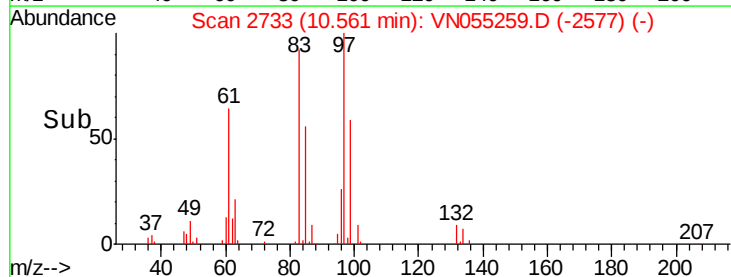
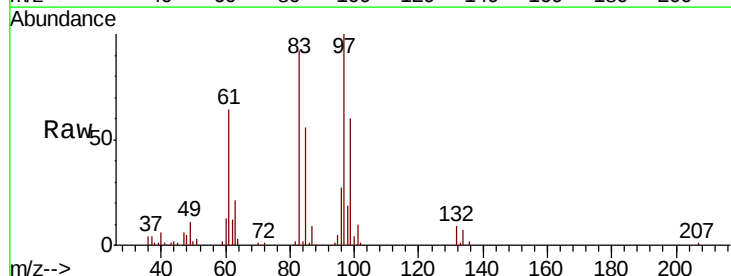
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.9	38.9
39	55.5	45.0	67.6

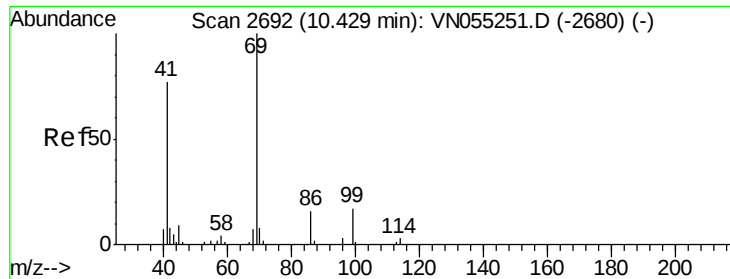


#50

1,1,2-Trichloroethane
 Concen: 19.965 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.5	74.6	111.8
85	55.8	45.4	68.2
99	60.4	50.7	76.1





#51

Ethyl methacrylate

Concen: 18.484 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

VN0426WBS01

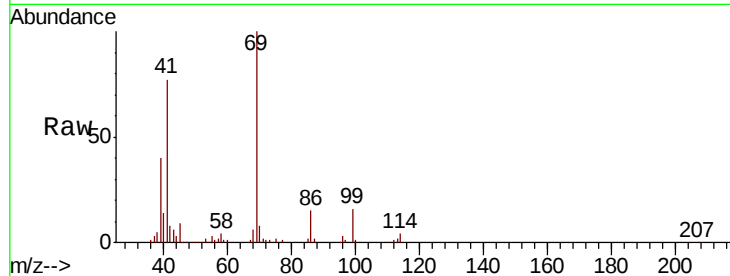
Tot Ion: 69 Resp: 101311

Ion Ratio Lower Upper

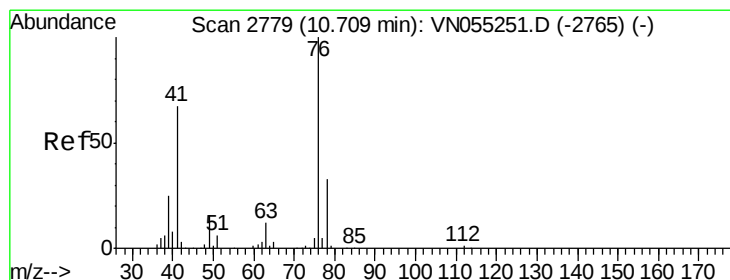
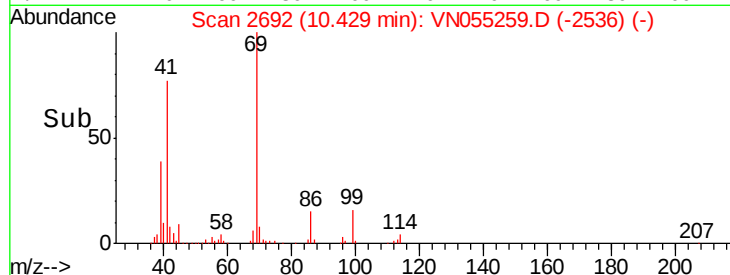
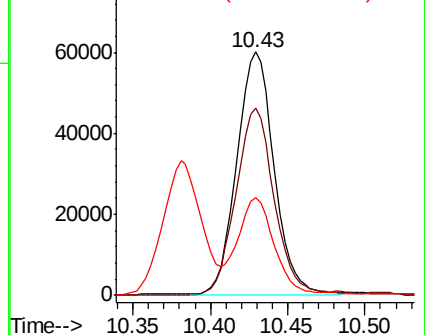
69 100

41 76.6 38.7 116.1

39 39.0 19.9 59.6



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



#52

1,3-Dichloropropane

Concen: 19.887 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055259.D

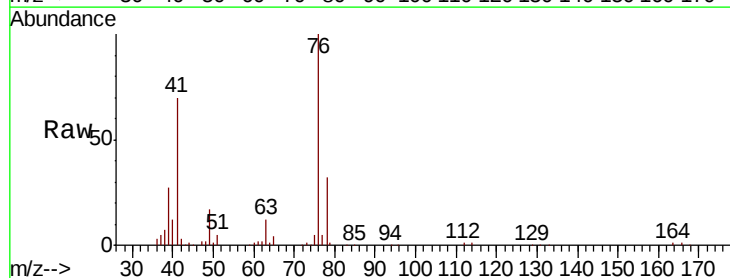
Acq: 25 Apr 2019 22:38

Tgt Ion: 76 Resp: 141959

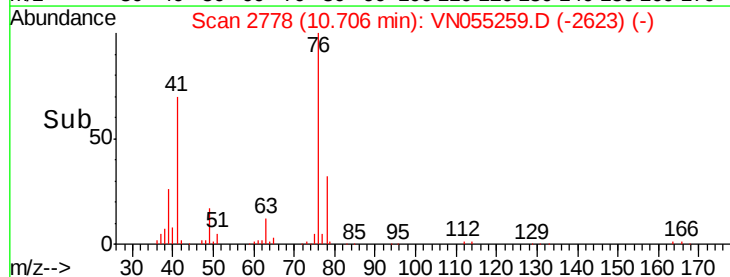
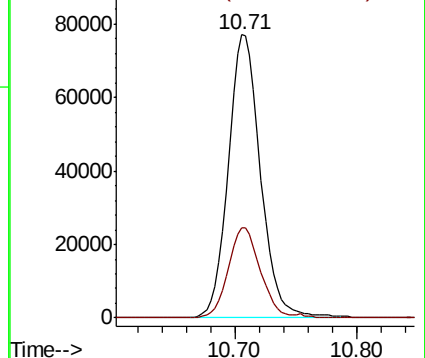
Ion Ratio Lower Upper

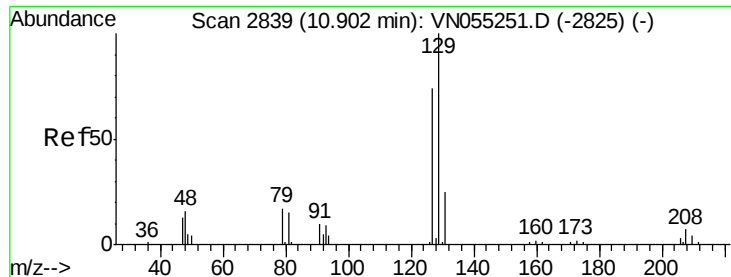
76 100

78 31.6 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

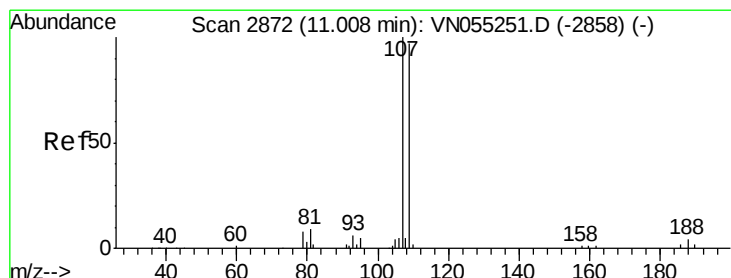
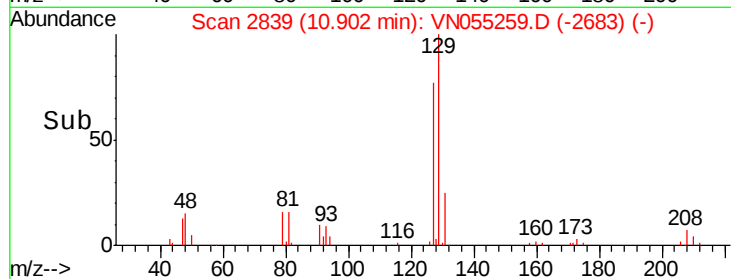
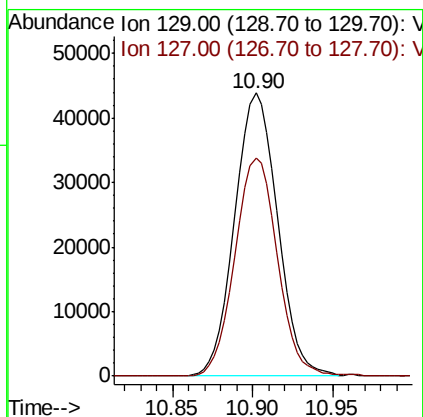
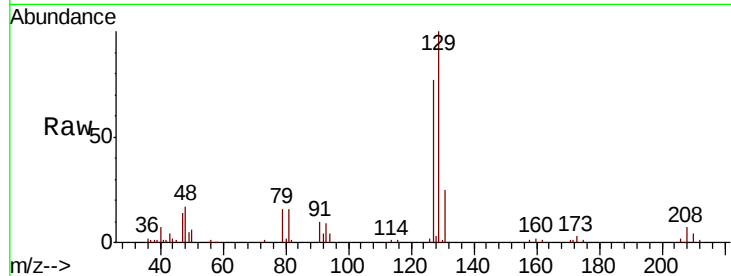




#53
Dibromochloromethane
Concen: 19.275 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

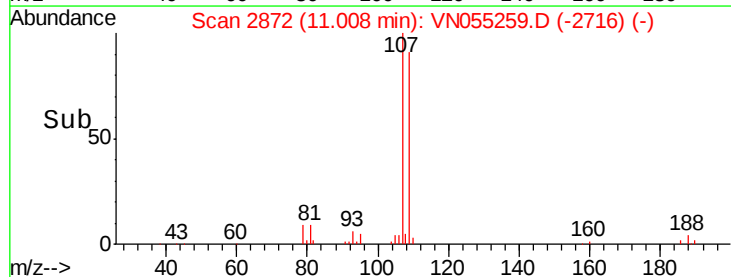
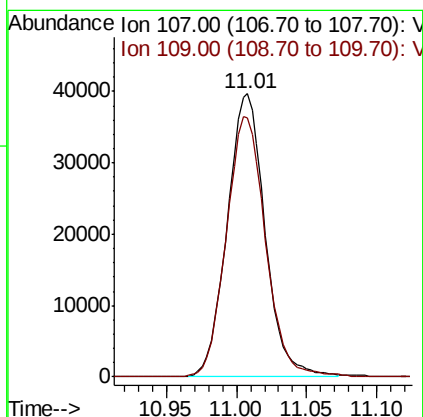
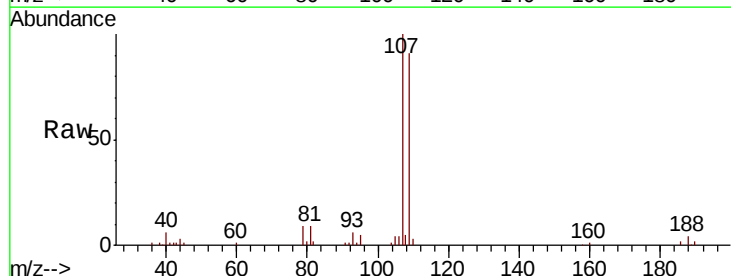
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

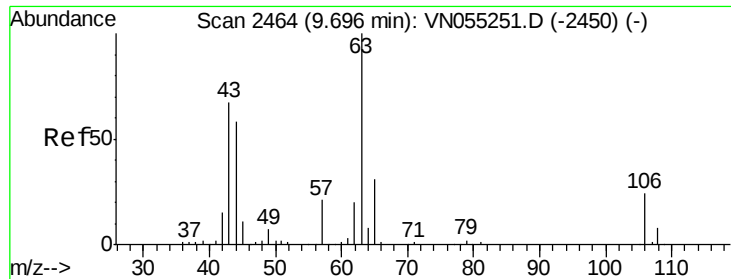
Tot Ion:129 Resp: 80363
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3



#54
1,2-Dibromoethane
Concen: 19.038 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion:107 Resp: 74470
Ion Ratio Lower Upper
107 100
109 95.3 75.2 112.8

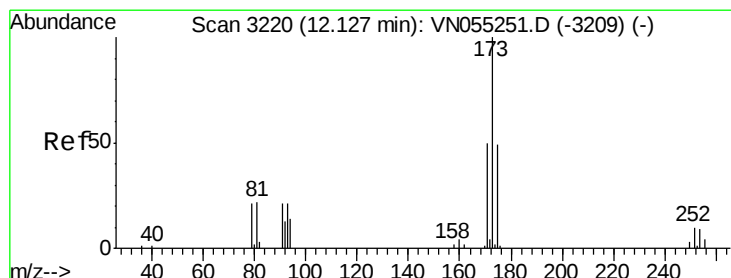
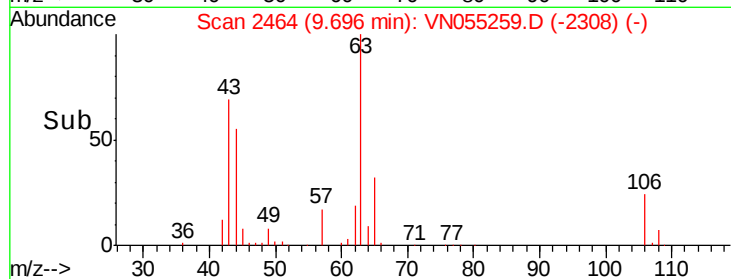
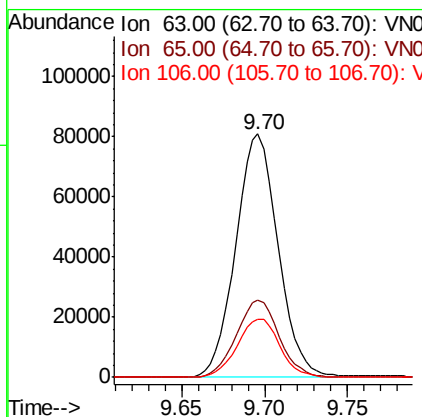
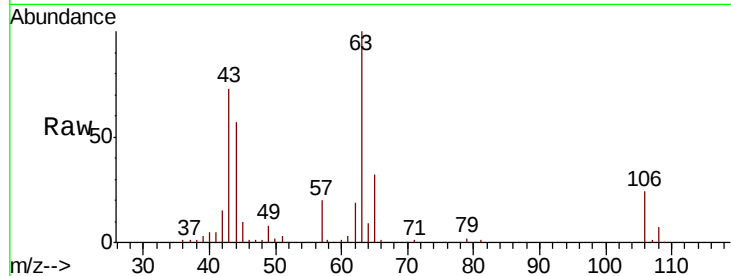




#55
2-Chloroethyl vinyl ether
Concen: 87.278 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

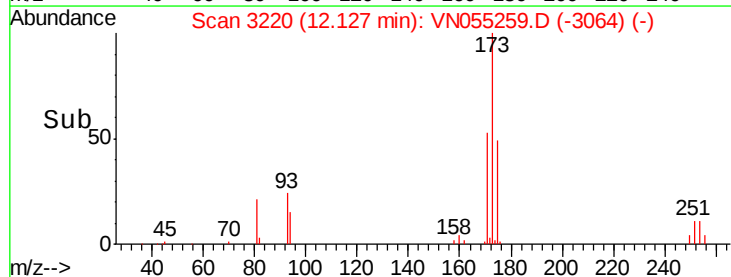
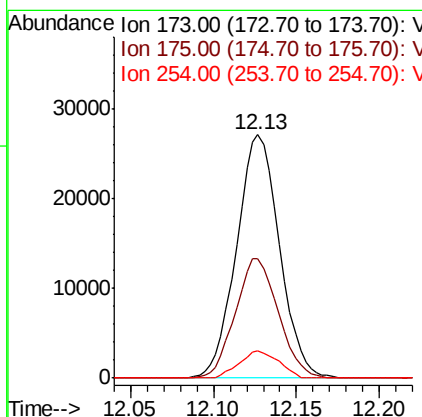
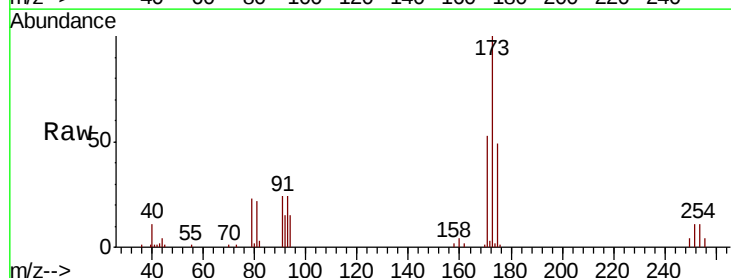
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

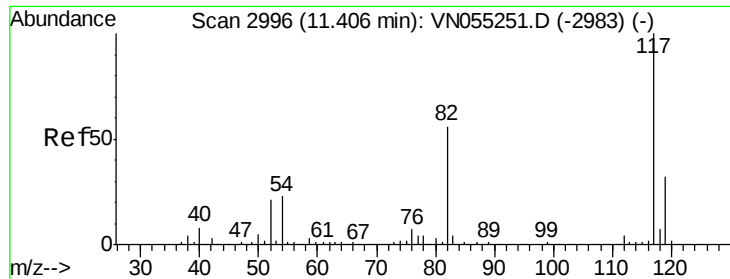
Tot Ion: 63 Resp: 144186
Ion Ratio Lower Upper
63 100
65 32.1 25.1 37.7
106 24.3 19.4 29.0



#56
Bromoform
Concen: 17.879 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 173 Resp: 48855
Ion Ratio Lower Upper
173 100
175 49.1 37.7 56.5
254 10.2 7.8 11.6

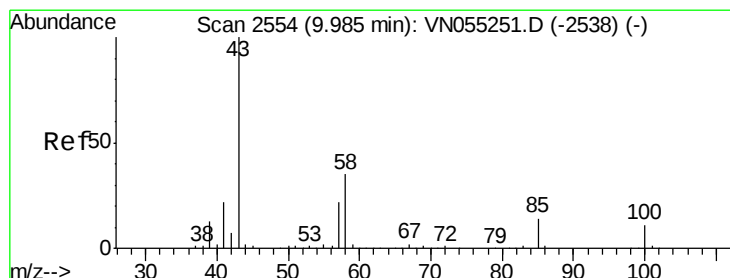
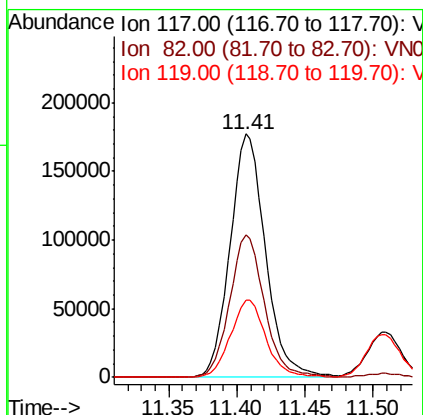
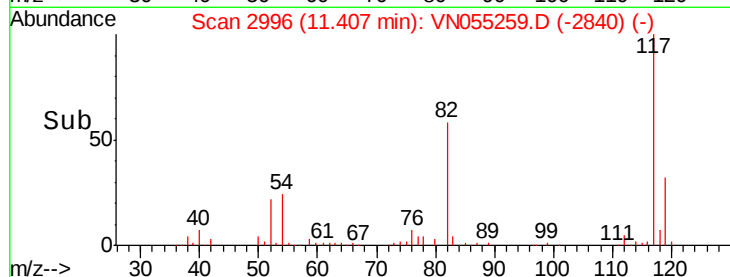
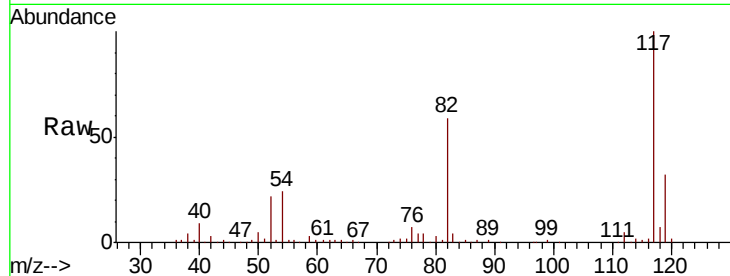




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

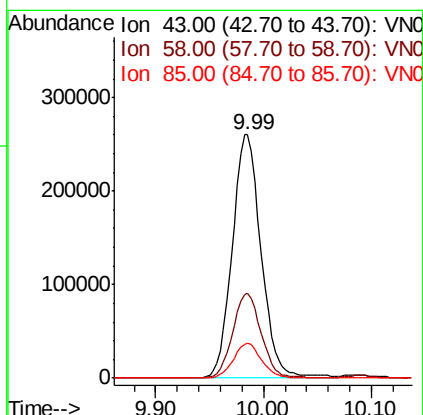
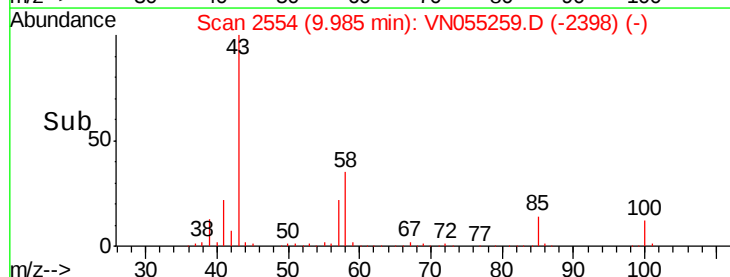
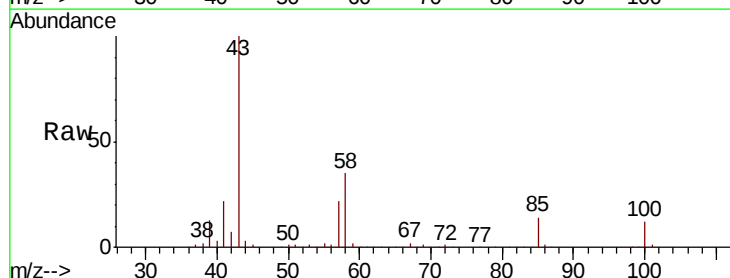
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

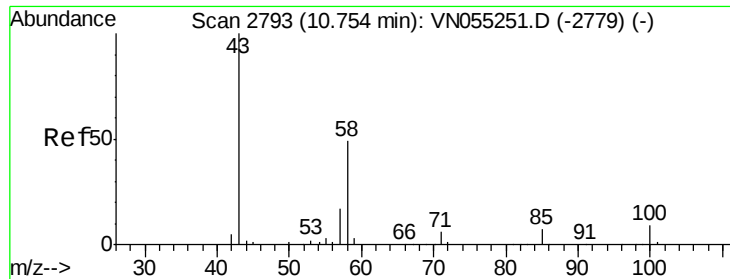
Tot Ion:117 Resp: 319653
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 31.7 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 97.229 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 43 Resp: 485209
Ion Ratio Lower Upper
43 100
58 34.5 28.6 43.0
85 14.1 11.4 17.2

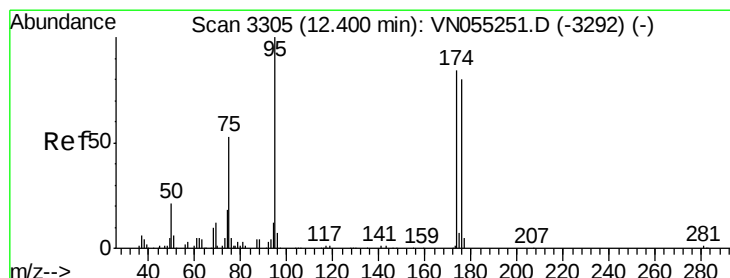
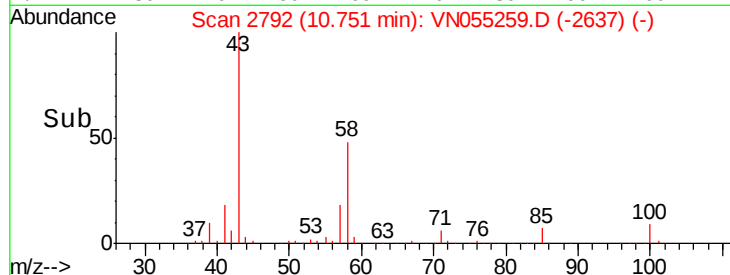
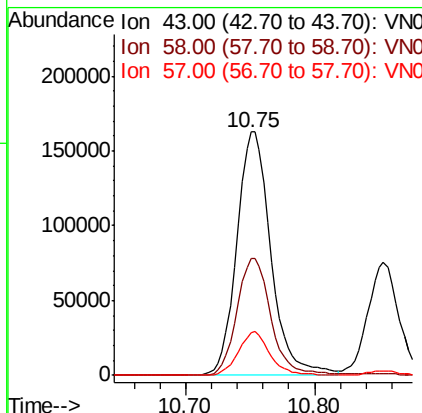
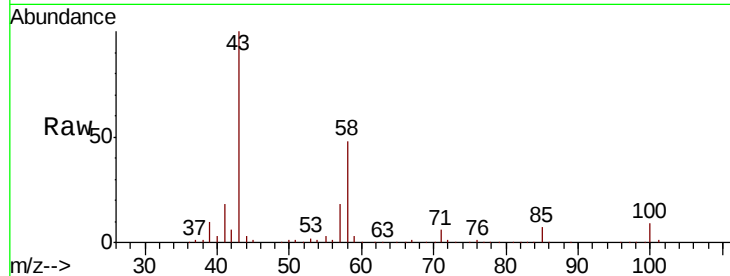




#59
2-Hexanone
Concen: 93.101 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

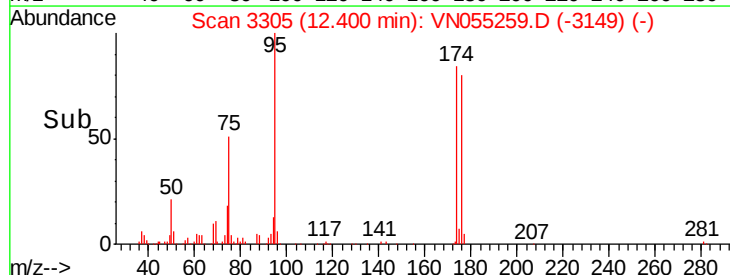
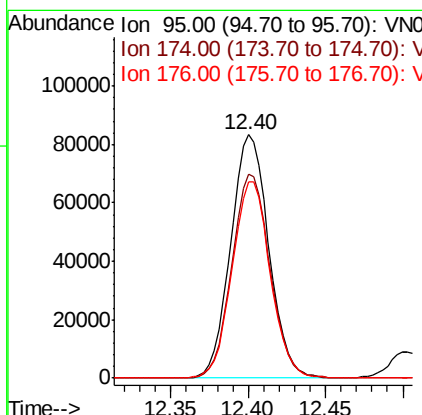
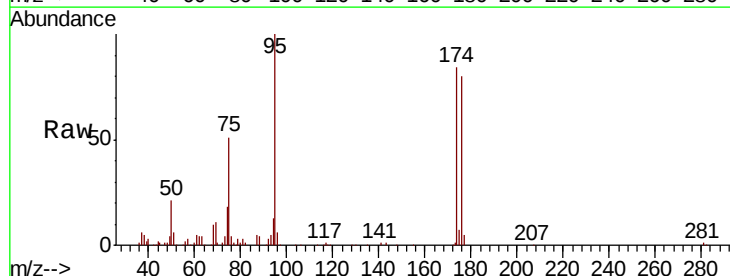
Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

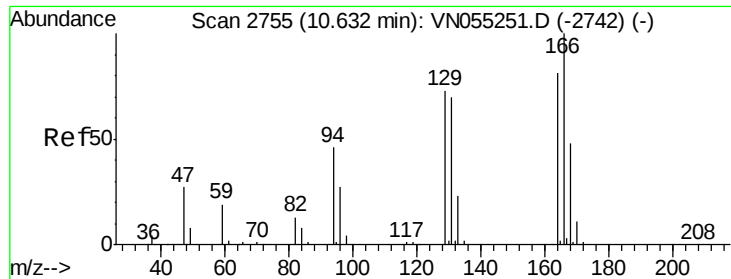
Tot Ion: 43 Resp: 297426
Ion Ratio Lower Upper
43 100
58 48.4 39.0 58.6
57 16.7 13.4 20.2



#60
4-Bromofluorobenzene
Concen: 93.101 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 95 Resp: 142201
Ion Ratio Lower Upper
95 100
174 84.0 68.1 102.1
176 80.9 65.8 98.6





#61

Tetrachloroethene

Concen: 21.441 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

Tot Ion:164 Resp: 88936

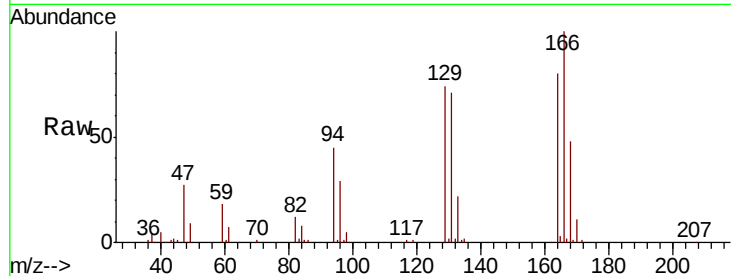
Ion Ratio Lower Upper

164 100

166 124.7 98.6 147.8

129 91.9 72.4 108.6

131 87.6 69.2 103.8

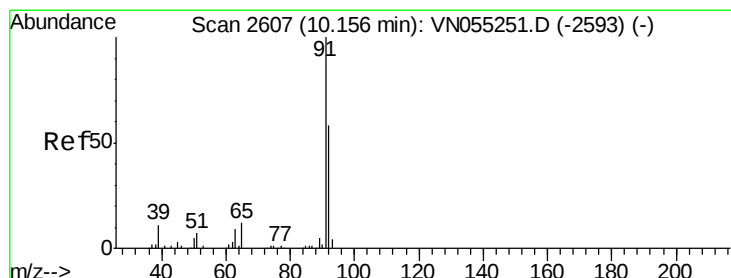
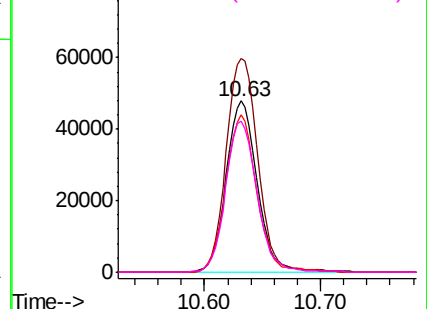
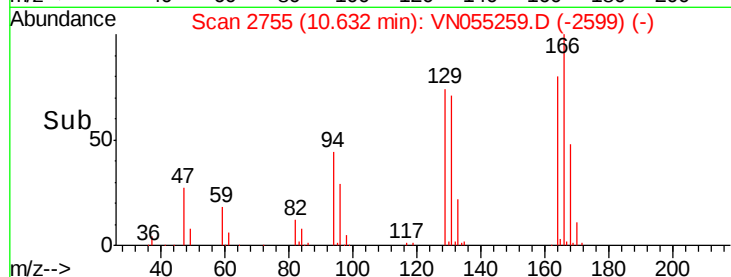


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055259.D

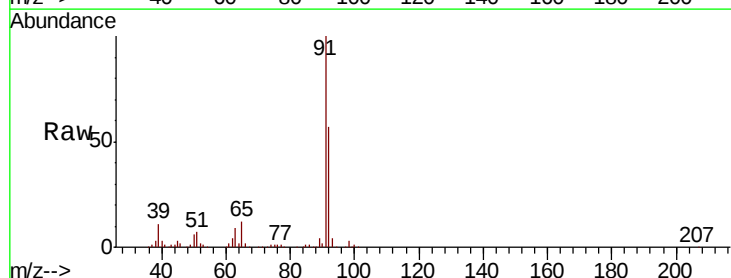
Acq: 25 Apr 2019 22:38

Tgt Ion: 91 Resp: 376117

Ion Ratio Lower Upper

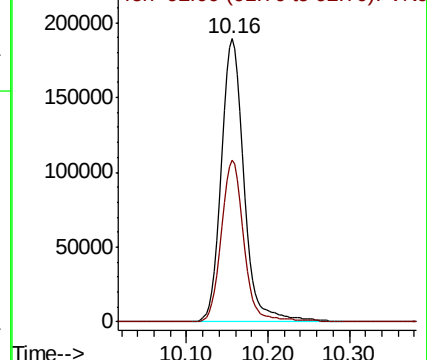
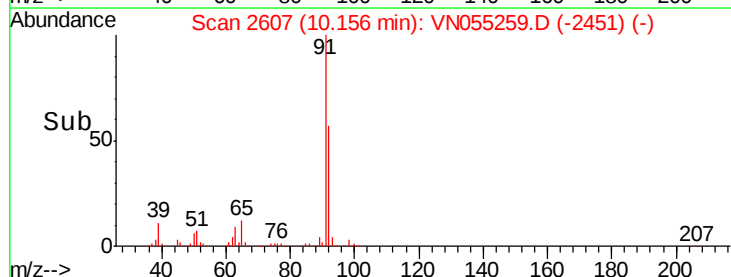
91 100

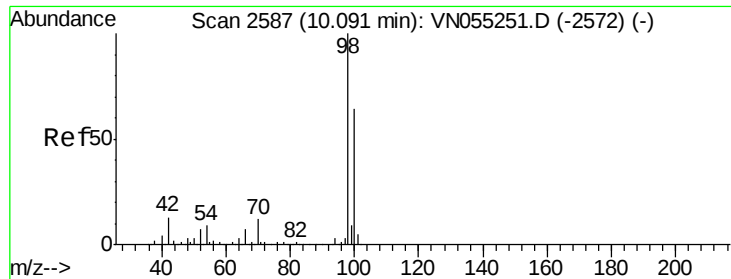
92 56.4 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.797 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

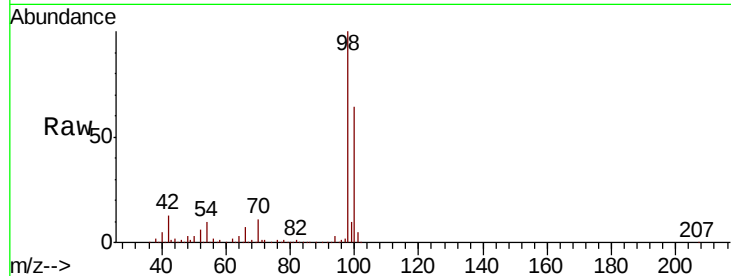
VN0426WBS01

Tot Ion: 98 Resp: 456129

Ion Ratio Lower Upper

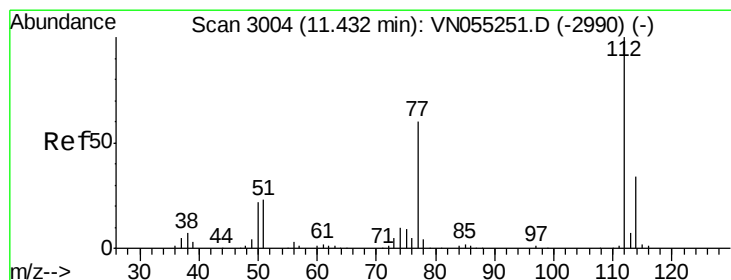
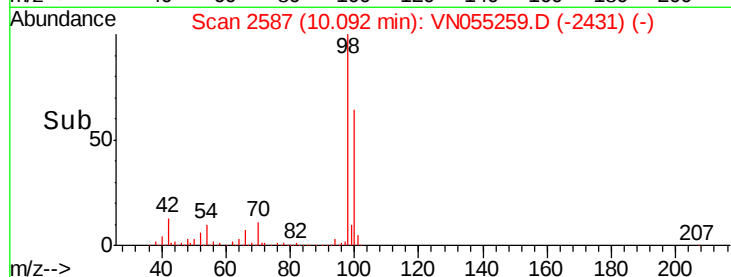
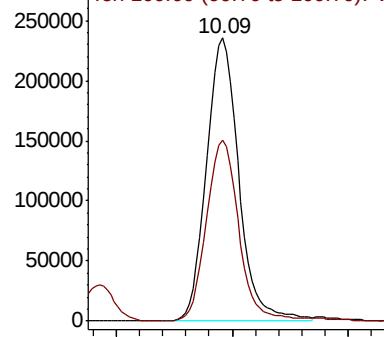
98 100

100 63.5 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.542 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055259.D

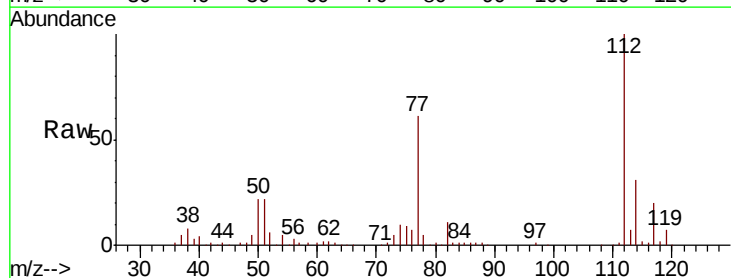
Acq: 25 Apr 2019 22:38

Tgt Ion: 112 Resp: 220099

Ion Ratio Lower Upper

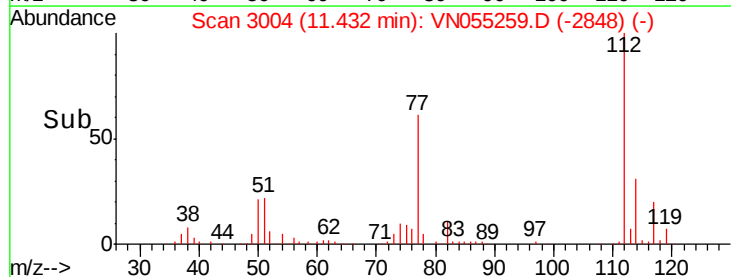
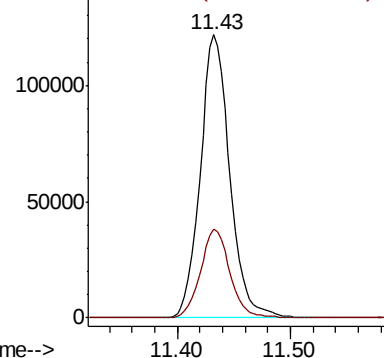
112 100

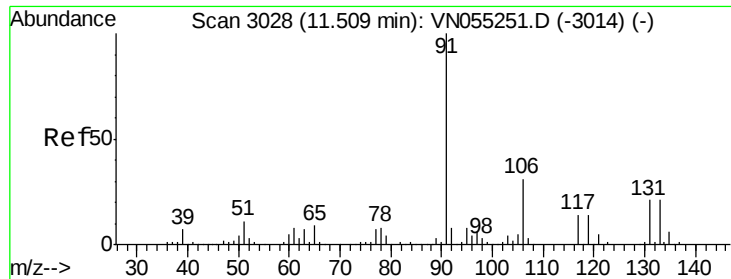
114 31.4 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

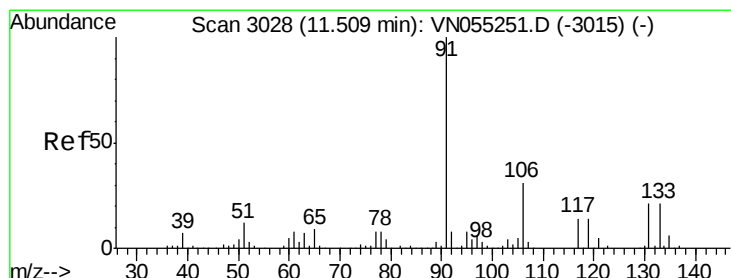
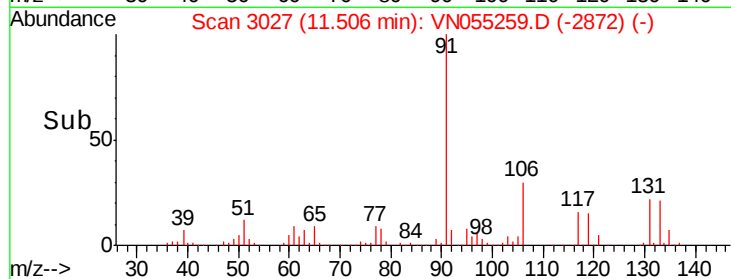
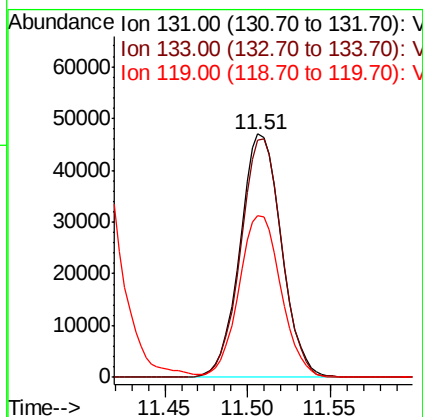
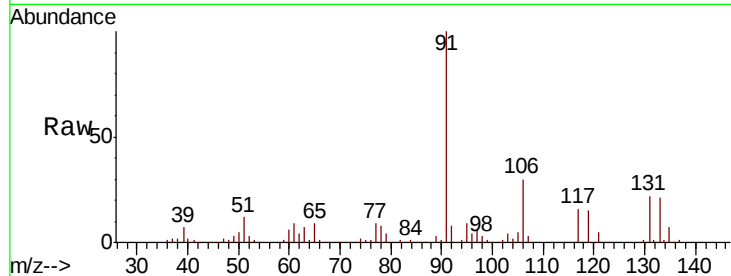




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.488 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

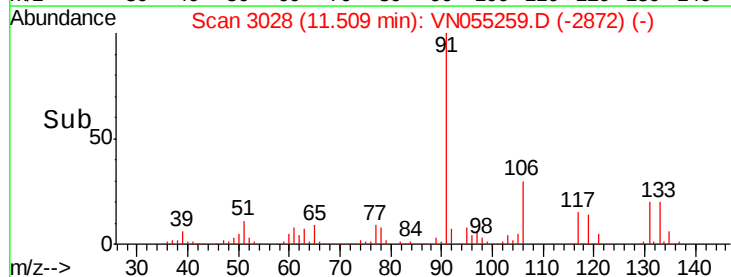
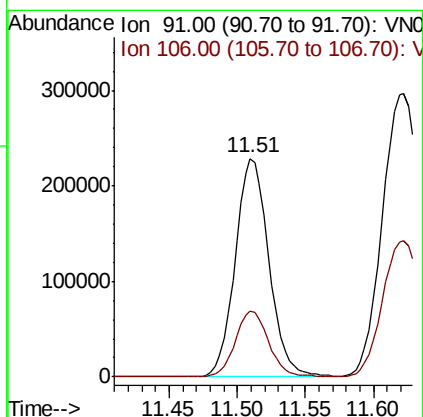
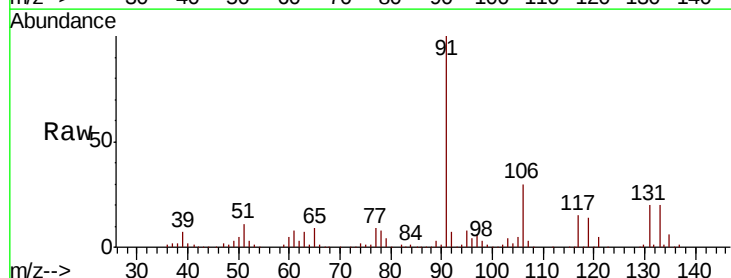
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

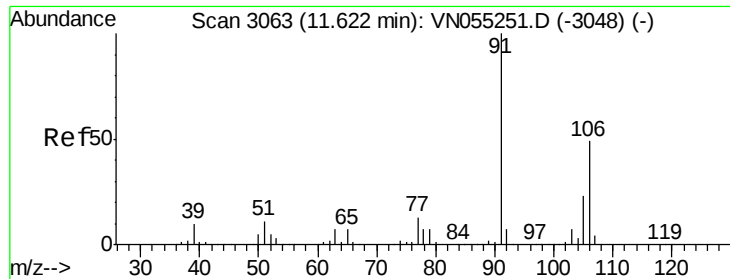
Tot Ion:131 Resp: 81887
 Ion Ratio Lower Upper
 131 100
 133 97.2 0.0 195.6
 119 67.5 0.0 135.0



#66
 Ethyl Benzene
 Concen: 20.406 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 91 Resp: 392258
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.5 36.7





#67

m/p-Xvlenes

Concen: 40.722 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

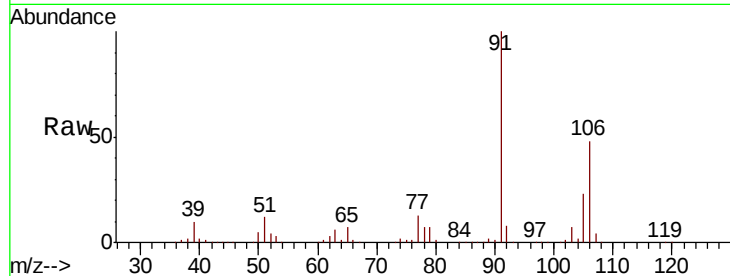
VN0426WBS01

Tot Ion:106 Resp: 286645

Ion Ratio Lower Upper

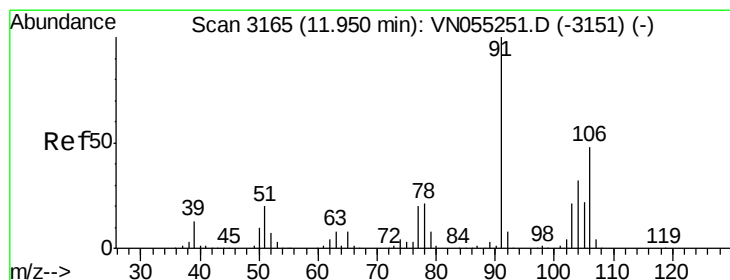
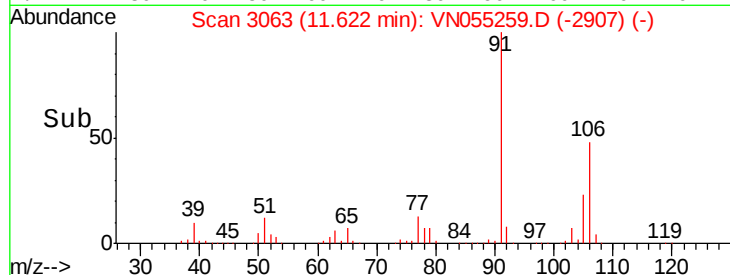
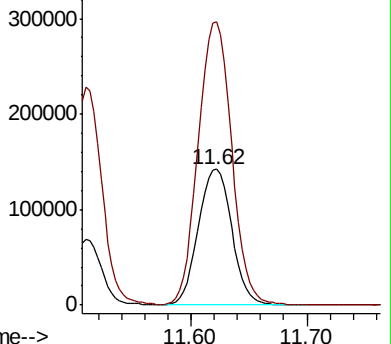
106 100

91 207.4 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.476 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055259.D

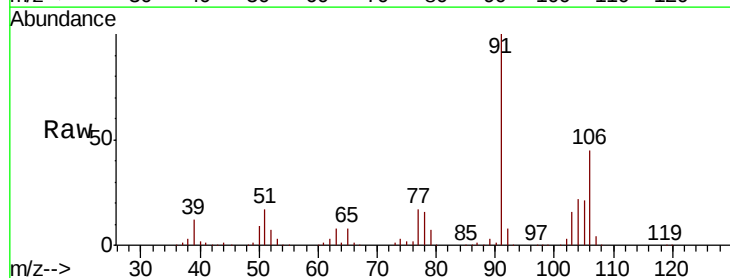
Acq: 25 Apr 2019 22:38

Tgt Ion:106 Resp: 143852

Ion Ratio Lower Upper

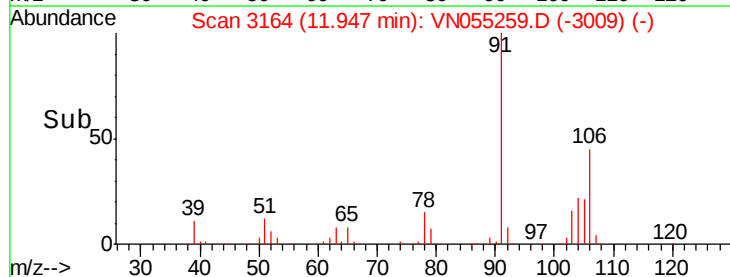
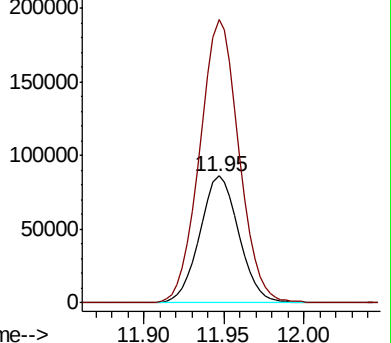
106 100

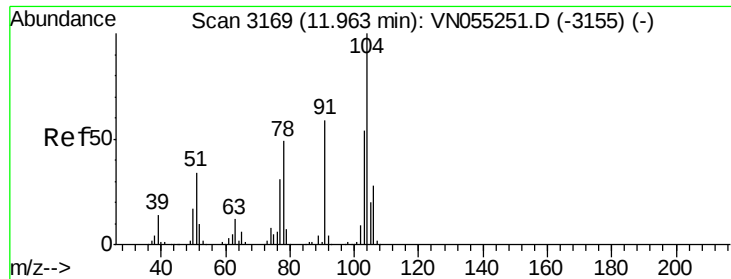
91 222.8 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

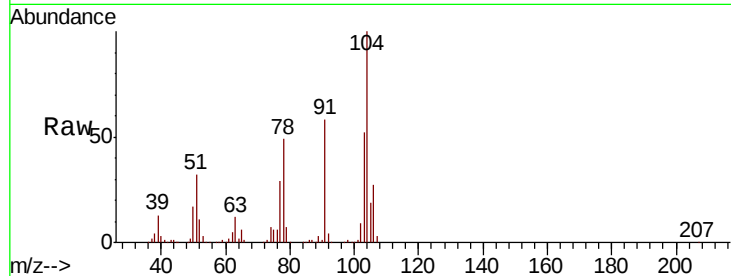




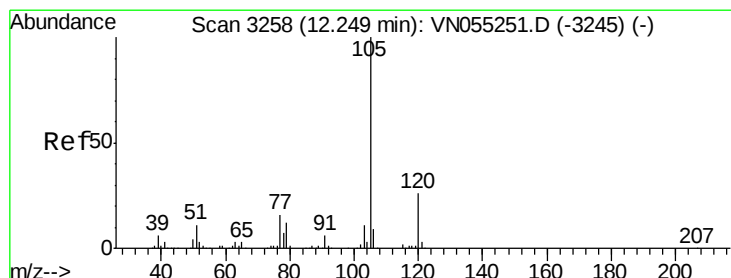
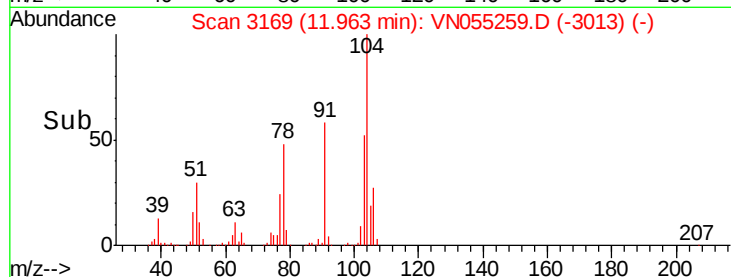
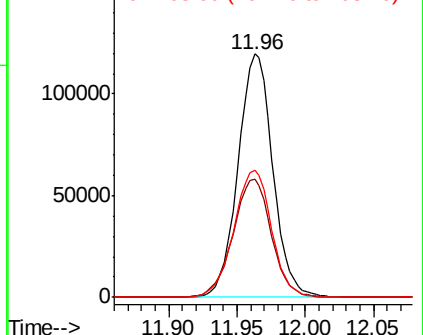
#69
Stvrene
Concen: 19.465 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBS01

Tot Ion:104 Resp: 211846
Ion Ratio Lower Upper
104 100
78 53.5 42.4 63.6
103 56.7 45.3 67.9

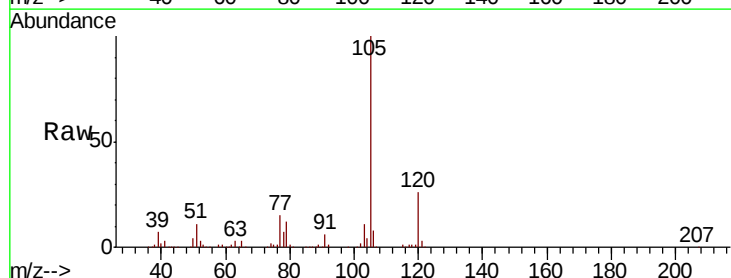


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

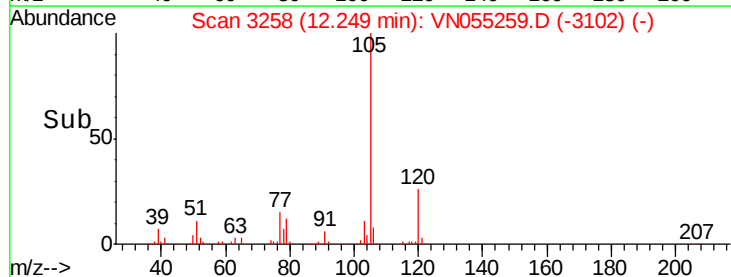
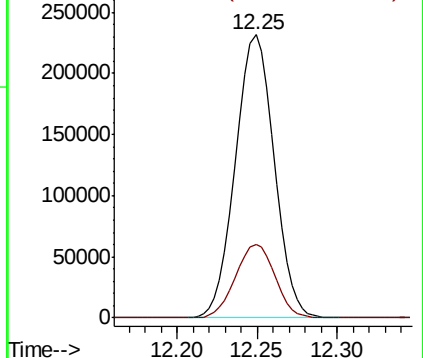


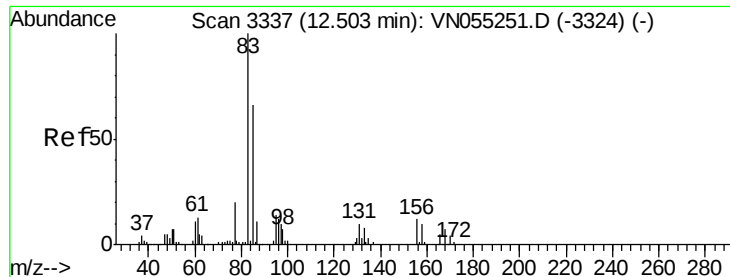
#70
Isopropylbenzene
Concen: 20.690 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion:105 Resp: 382616
Ion Ratio Lower Upper
105 100
120 26.4 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.565 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

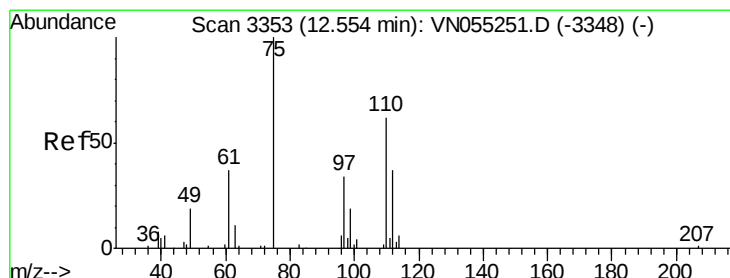
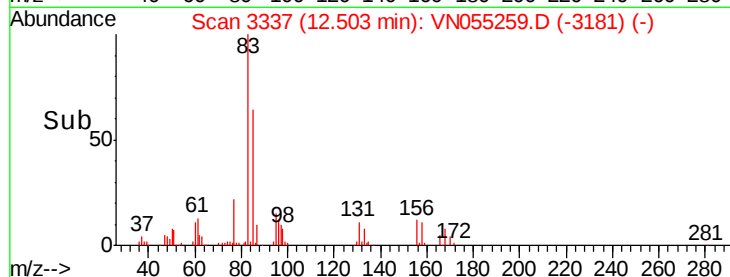
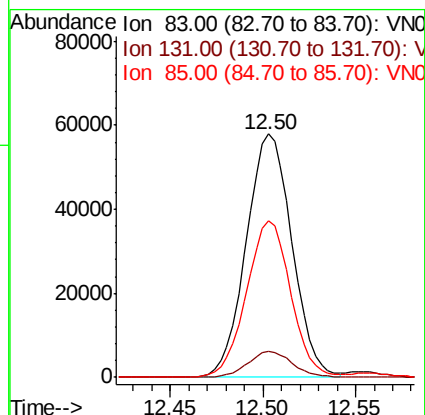
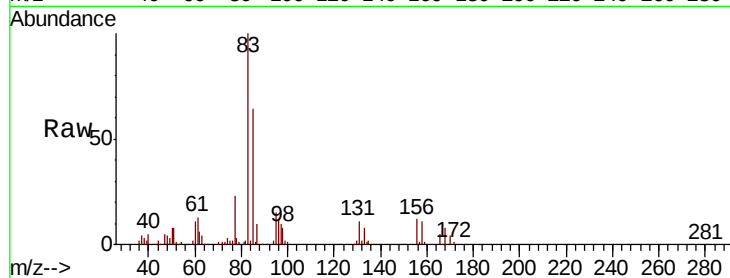
Tot Ion: 83 Resp: 99720

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

85 62.2 32.3 96.8



#72

1,2,3-Trichloropropane

Concen: 26.074 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055259.D

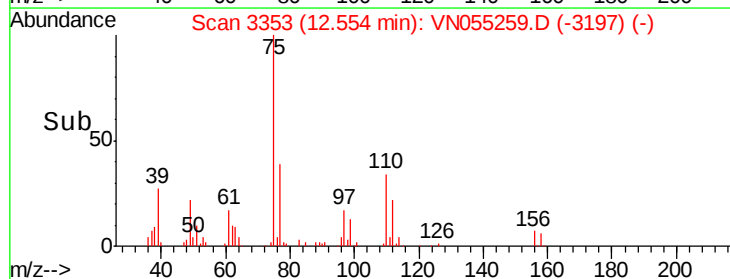
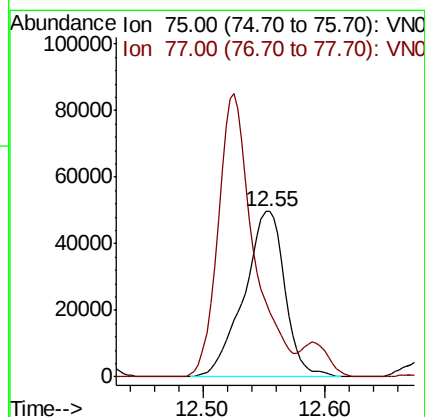
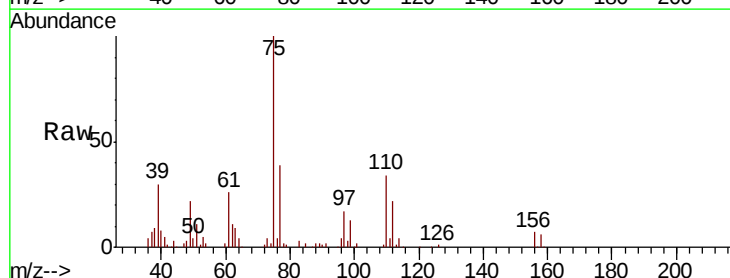
Acq: 25 Apr 2019 22:38

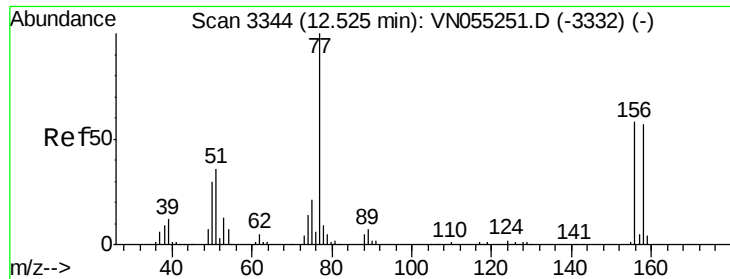
Tgt Ion: 75 Resp: 115208

Ion Ratio Lower Upper

75 100

77 152.1 0.0 410.2

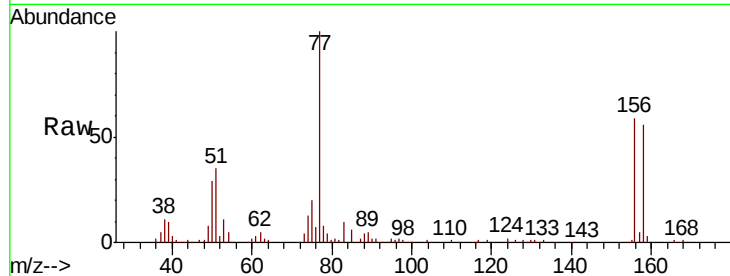




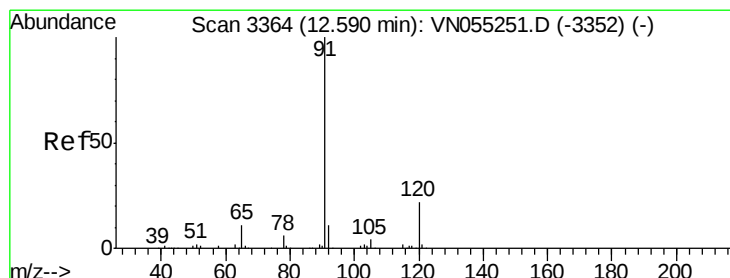
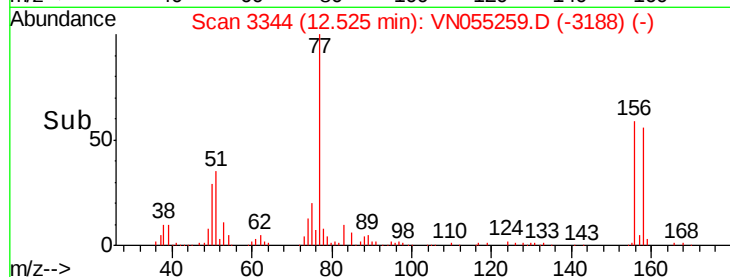
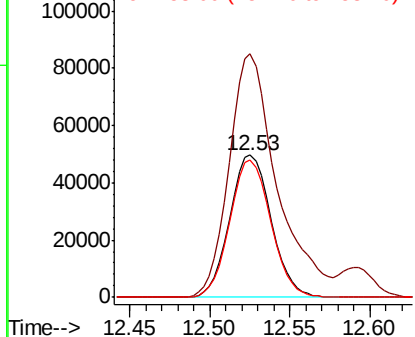
#73
Bromobenzene
Concen: 19.976 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Instrument :
MSVOA_N
ClientSampled :
VN0426WBS01

Tot Ion:156 Resp: 87813
Ion Ratio Lower Upper
156 100
77 199.5 0.0 403.2
158 95.4 0.0 195.8

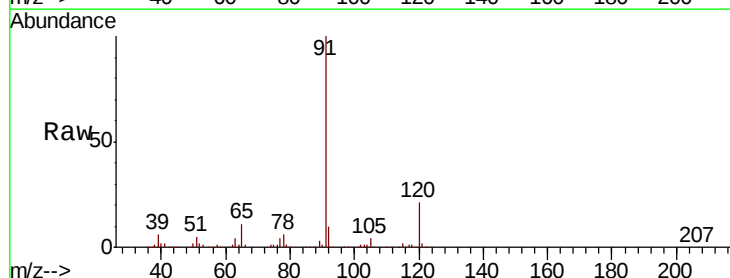


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

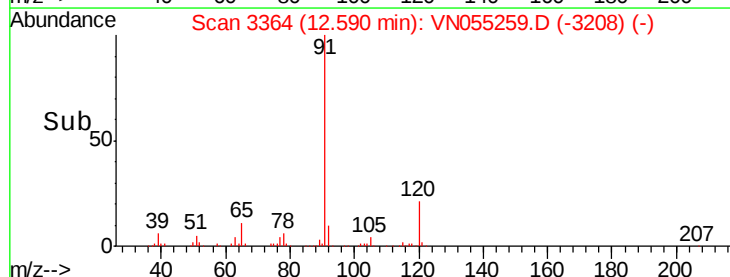
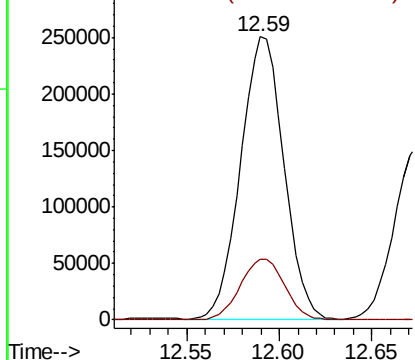


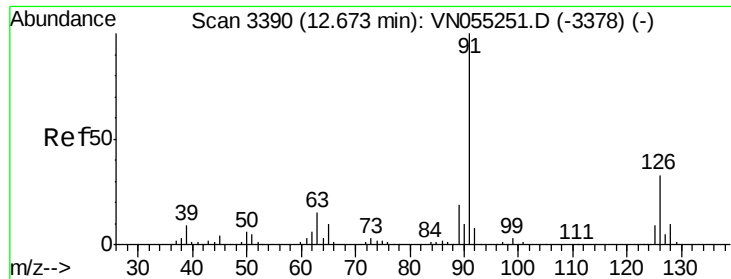
#74
n-propylbenzene
Concen: 19.723 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion: 91 Resp: 407034
Ion Ratio Lower Upper
91 100
120 22.1 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.257 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

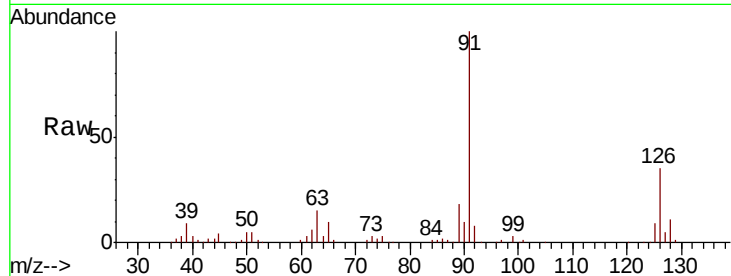
VN0426WBS01

Tot Ion: 91 Resp: 256442

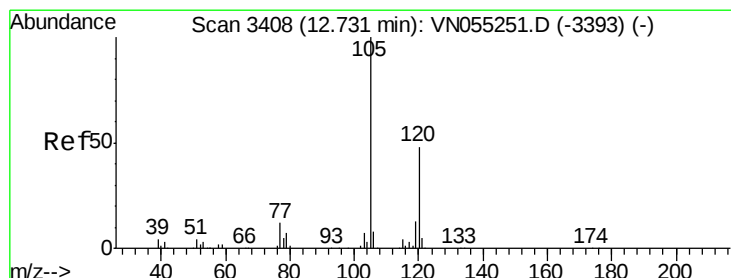
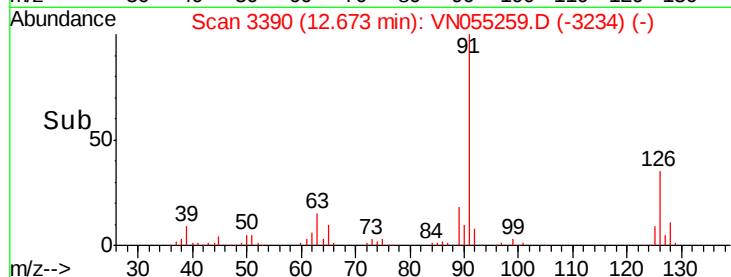
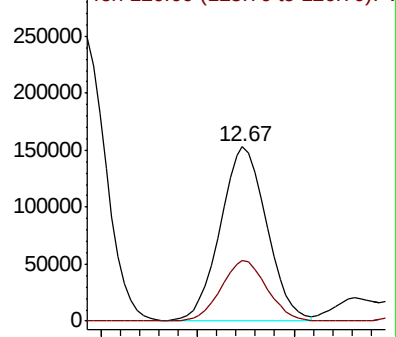
Ion Ratio Lower Upper

91 100

126 34.1 0.0 65.8



Abundance Ion 91.00 (90.70 to 91.70): VN055259.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.879 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055259.D

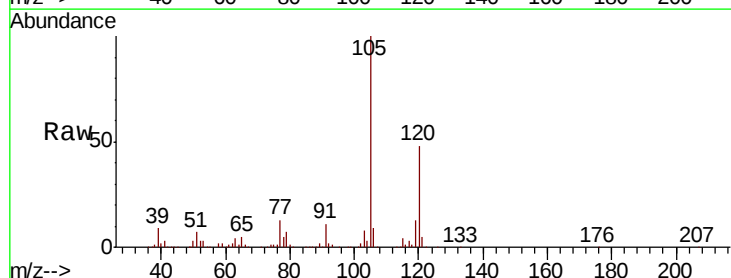
Acq: 25 Apr 2019 22:38

Tgt Ion: 105 Resp: 301689

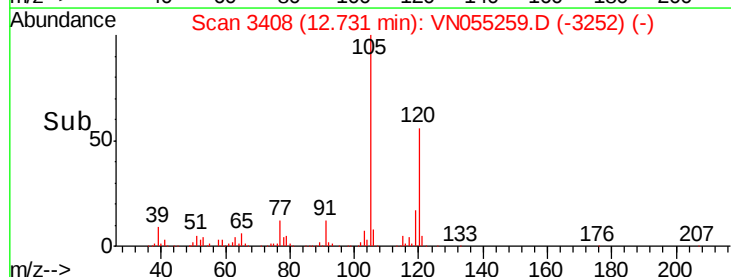
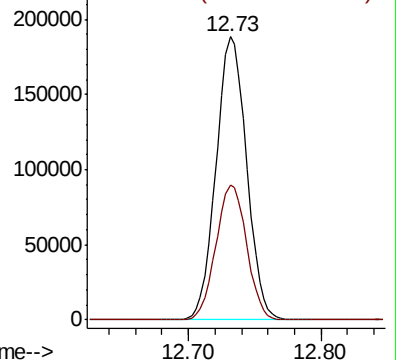
Ion Ratio Lower Upper

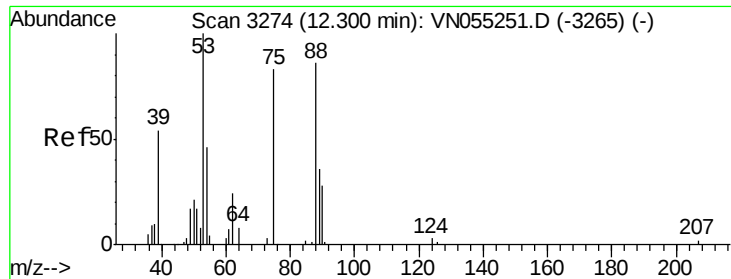
105 100

120 48.1 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055259.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.784 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

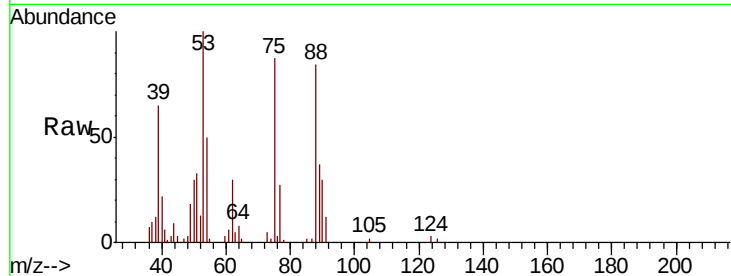
Tot Ion: 75 Resp: 19738

Ion Ratio Lower Upper

75 100

53 112.9 59.5 178.5

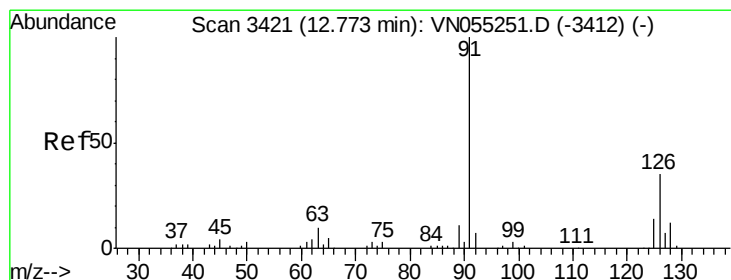
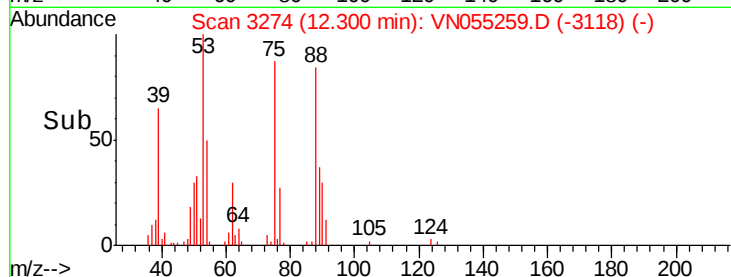
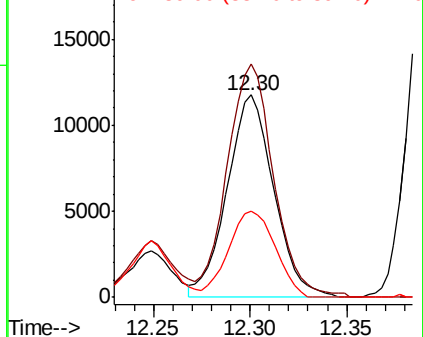
89 42.3 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.344 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055259.D

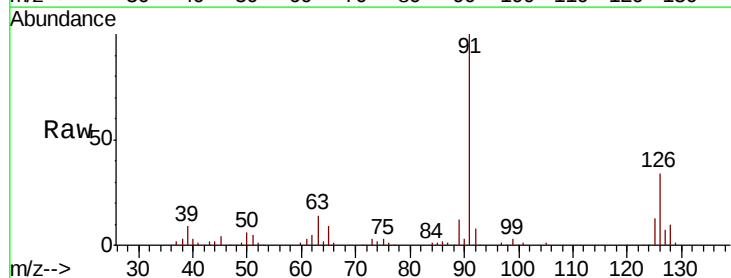
Acq: 25 Apr 2019 22:38

Tgt Ion: 91 Resp: 232796

Ion Ratio Lower Upper

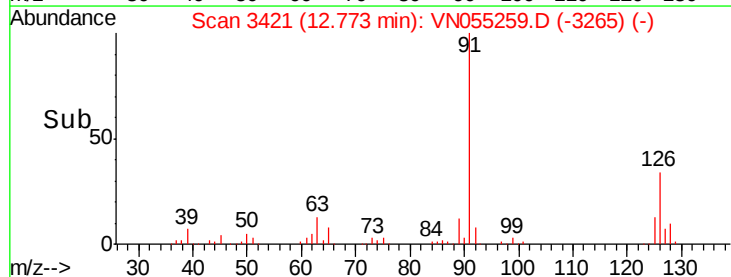
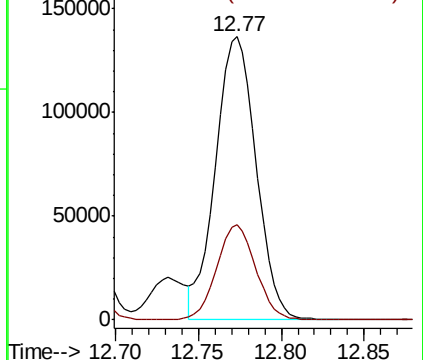
91 100

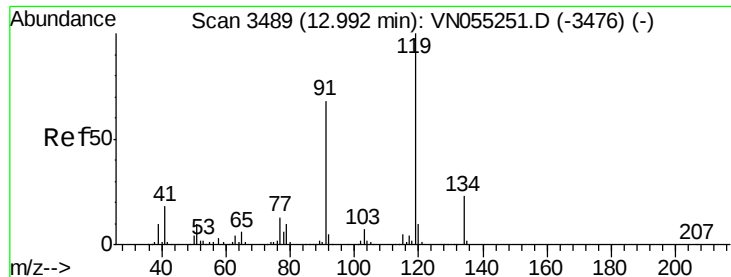
126 32.3 0.0 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

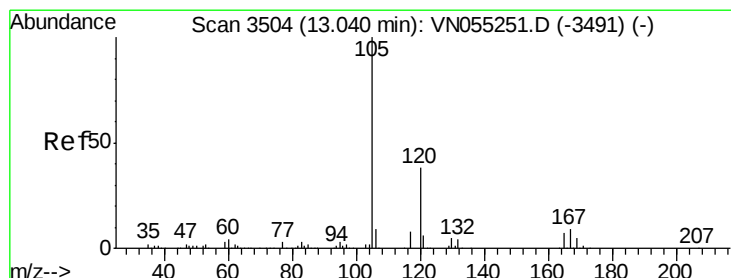
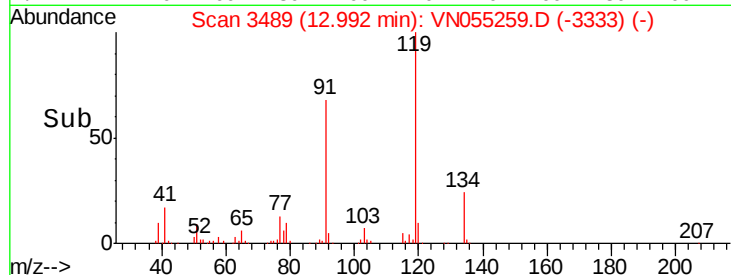
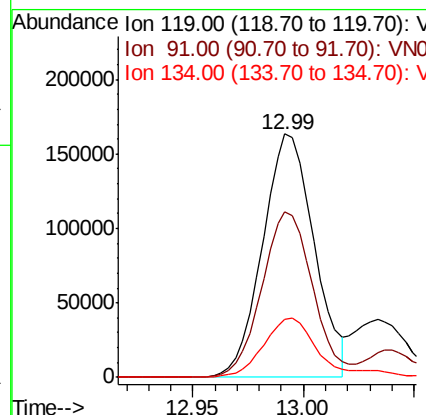
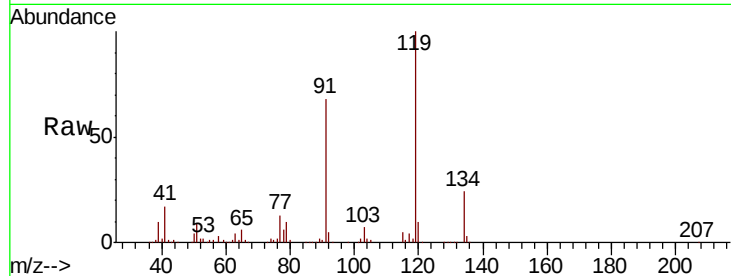




#79
tert-butylbenzene
Concen: 20.272 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

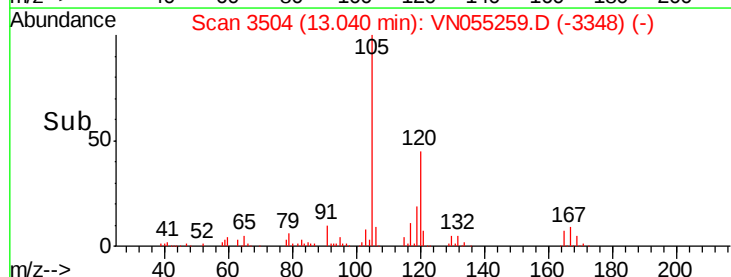
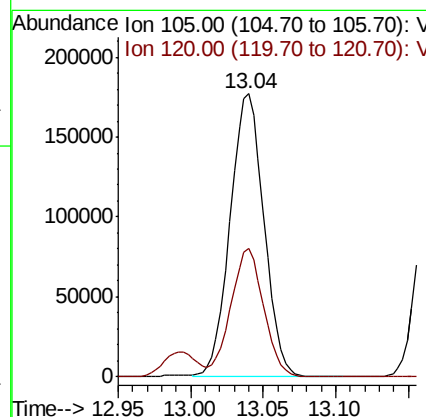
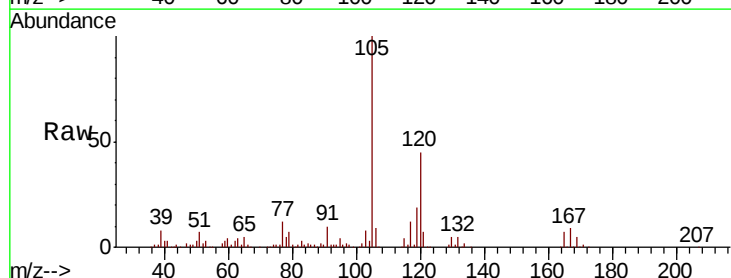
Instrument :
MSVOA_N
ClientSampled :
VN0426WBS01

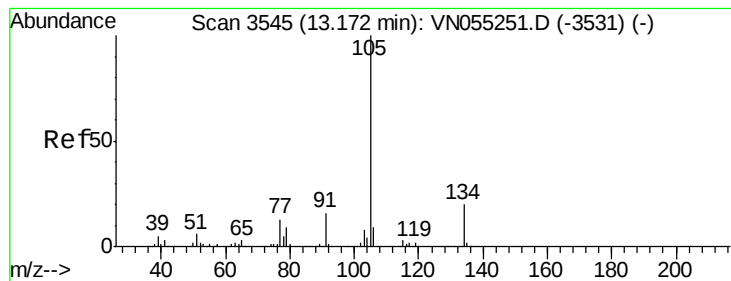
Tot Ion:119 Resp: 265000
Ion Ratio Lower Upper
119 100
91 66.9 0.0 135.6
134 24.6 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 19.531 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055259.D
Acq: 25 Apr 2019 22:38

Tgt Ion:105 Resp: 285795
Ion Ratio Lower Upper
105 100
120 43.9 0.0 88.6





#81

sec-Butylbenzene

Concen: 19.633 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

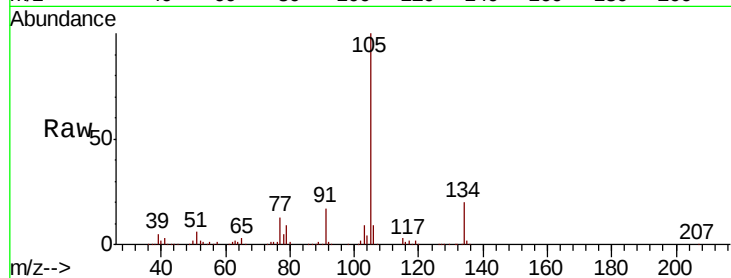
VN0426WBS01

Tot Ion:105 Resp: 339267

Ion Ratio Lower Upper

105 100

134 19.8 0.0 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

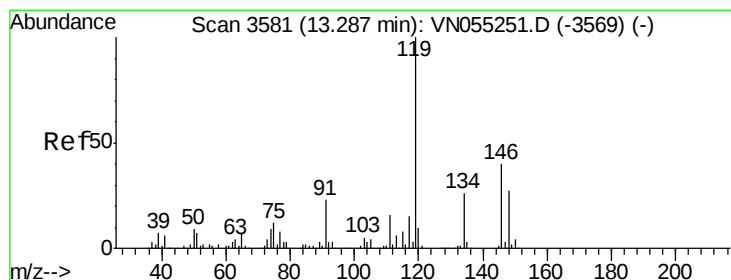
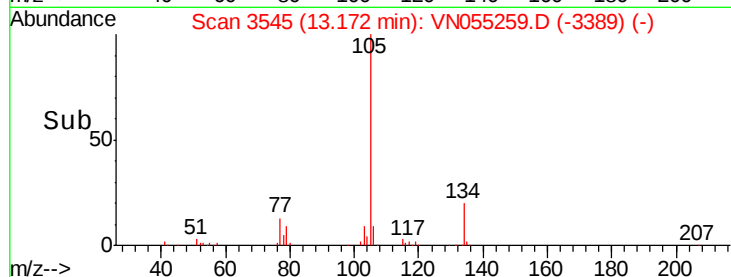
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.121 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

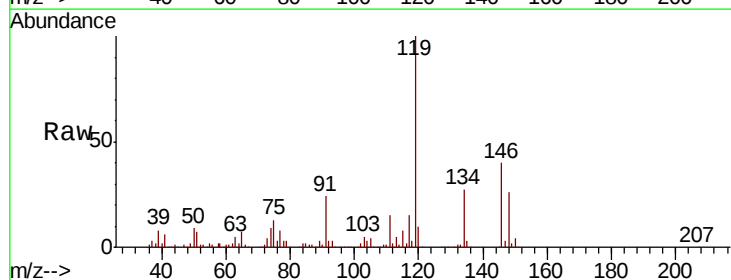
Tgt Ion:119 Resp: 274096

Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.2

91 24.0 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

200000

150000

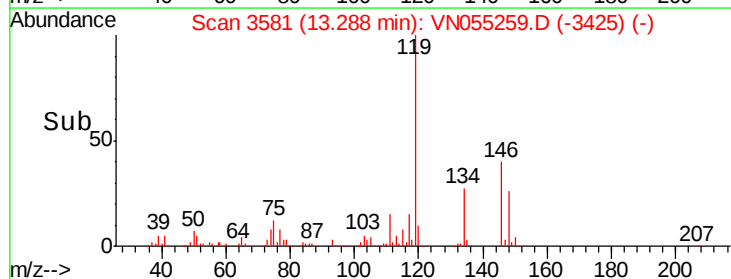
100000

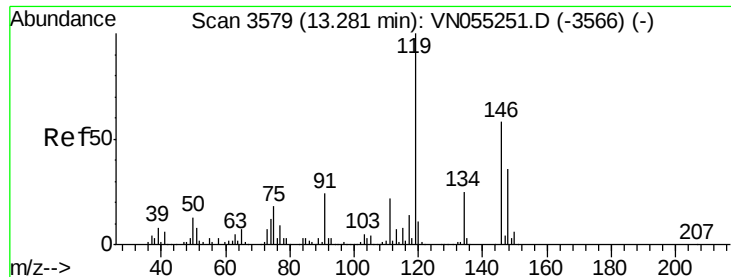
50000

0

13.25 13.30 13.35

Time-->

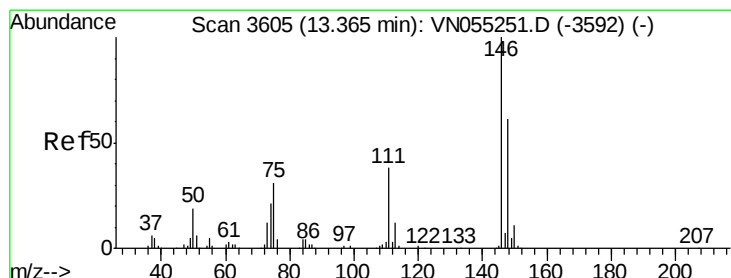
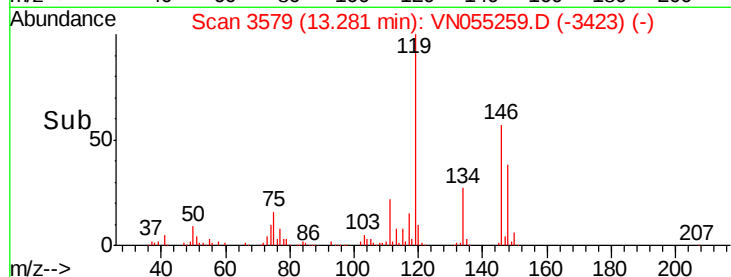
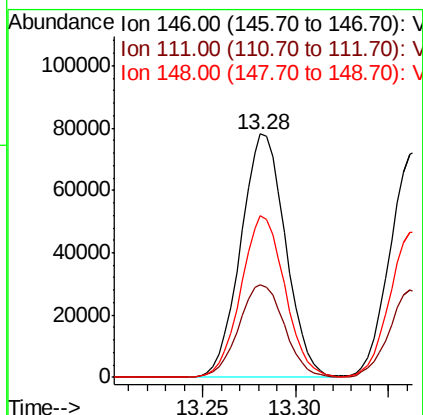
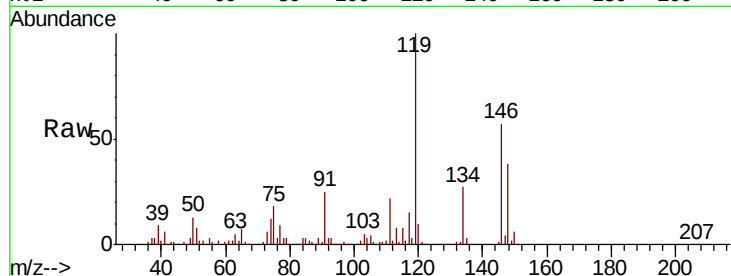




#83
 1,3-Dichlorobenzene
 Concen: 18.436 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

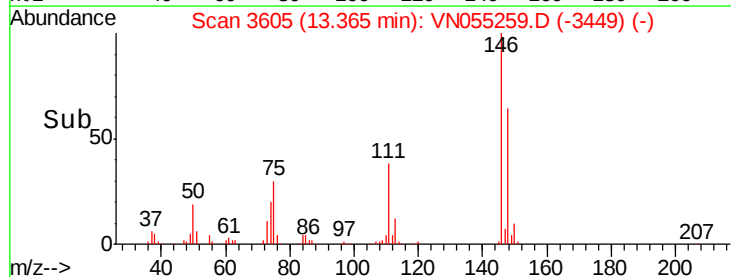
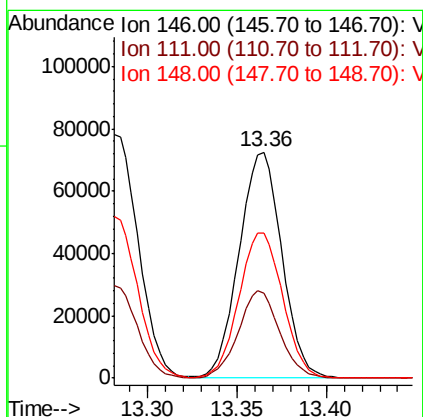
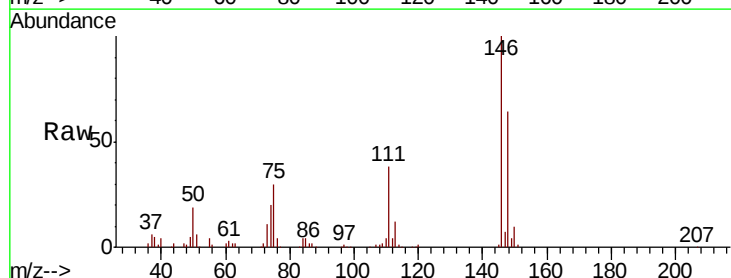
Instrument :
 MSVOA_N
 ClientSampled :
 VN0426WBS01

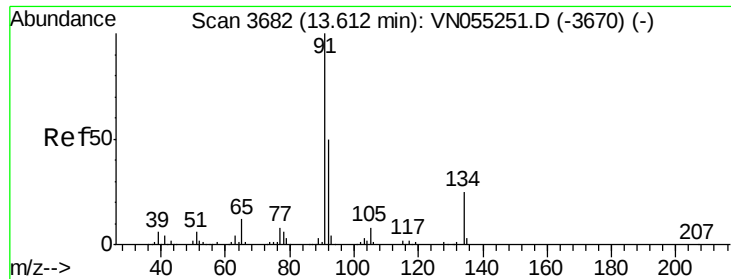
Tot Ion:146 Resp: 131468
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.9 59.7
 148 65.1 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 17.938 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion:146 Resp: 120731
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.5
 148 66.2 31.4 94.3





#85

n-Butylbenzene

Concen: 16.977 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBS01

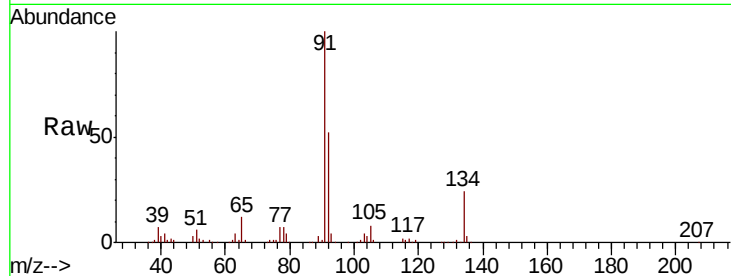
Tot Ion: 91 Resp: 185546

Ion Ratio Lower Upper

91 100

92 51.6 0.0 102.8

134 24.7 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) (-)

13.61

150000

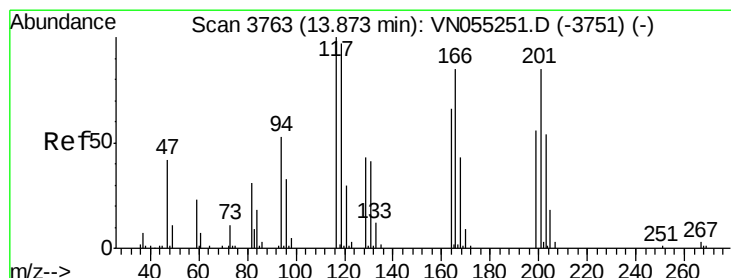
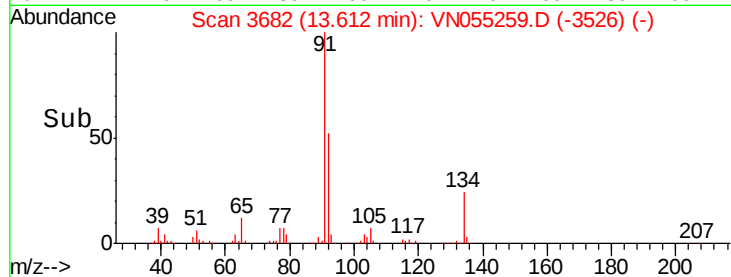
100000

50000

0

13.55 13.60 13.65

Time-->



#86

Hexachloroethane

Concen: 19.115 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055259.D

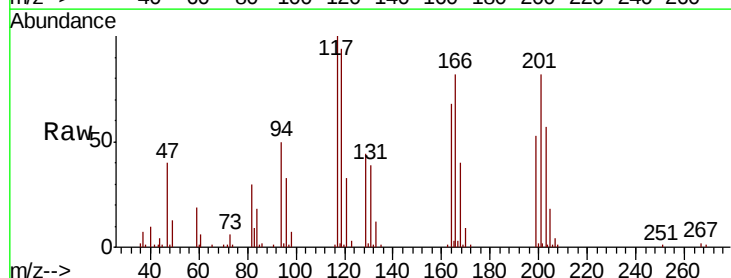
Acq: 25 Apr 2019 22:38

Tgt Ion: 117 Resp: 46741

Ion Ratio Lower Upper

117 100

201 83.5 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) (-)

13.87

30000

25000

20000

15000

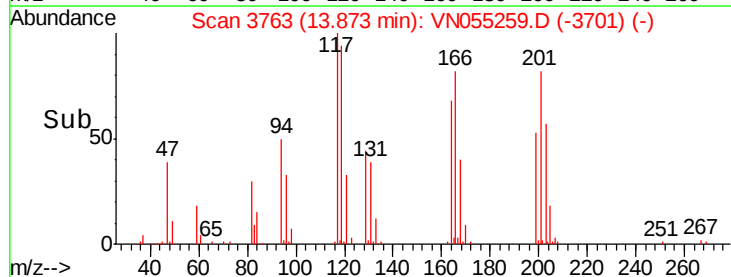
10000

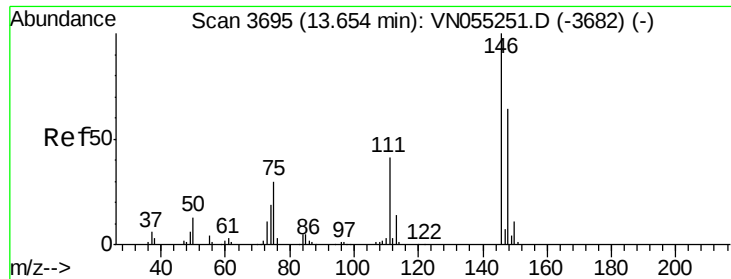
5000

0

13.80 13.85 13.90

Time-->

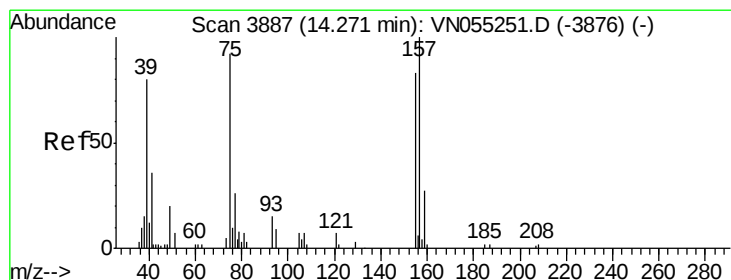
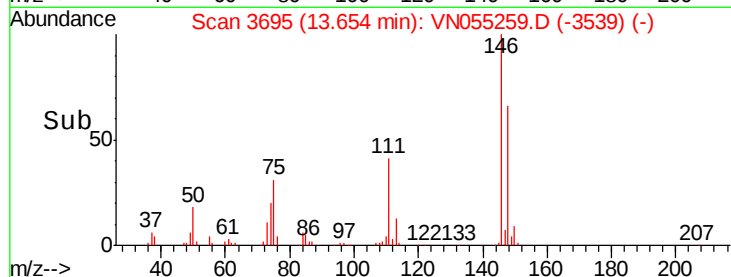
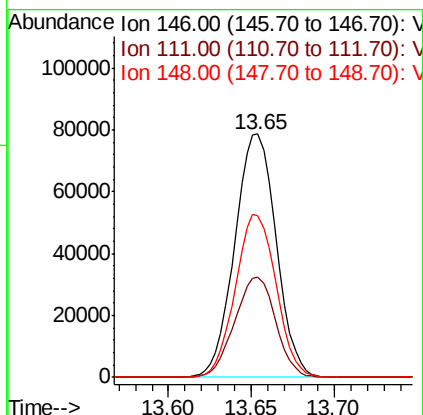
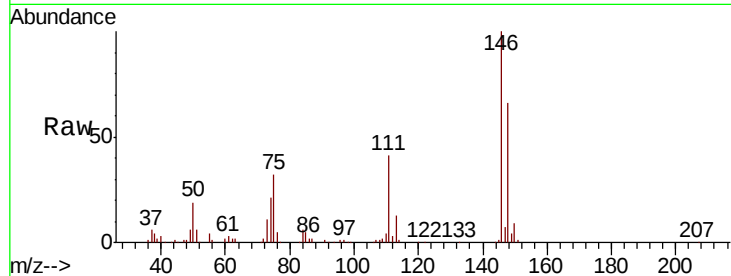




#87
 1,2-Dichlorobenzene
 Concen: 19.179 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

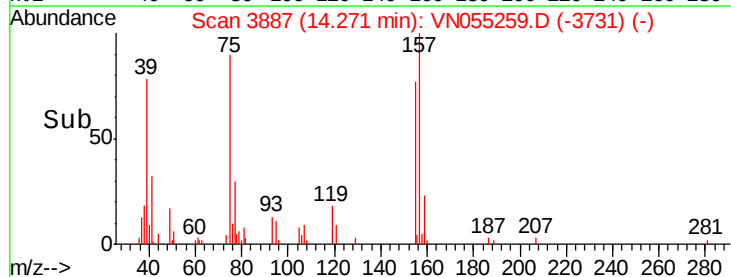
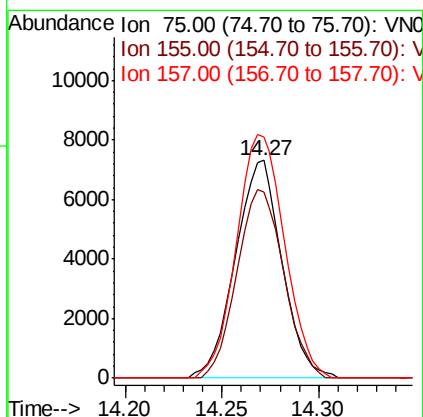
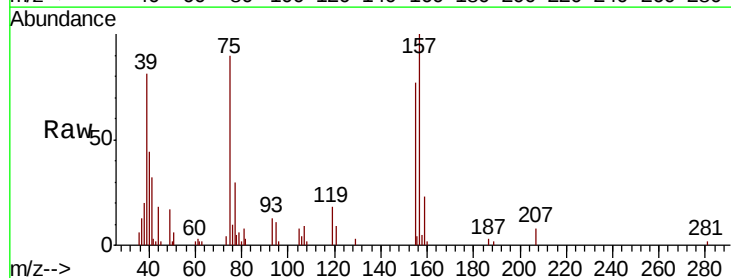
Instrument :
 MSVOA_N
 ClientSampled :
 VN0426WBS01

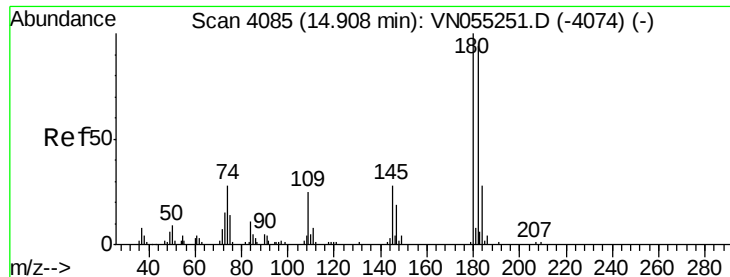
Tot Ion:146 Resp: 136853
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.8 62.2
 148 65.7 31.9 95.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.436 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion: 75 Resp: 12262
 Ion Ratio Lower Upper
 75 100
 155 86.6 70.4 105.6
 157 115.7 88.5 132.7

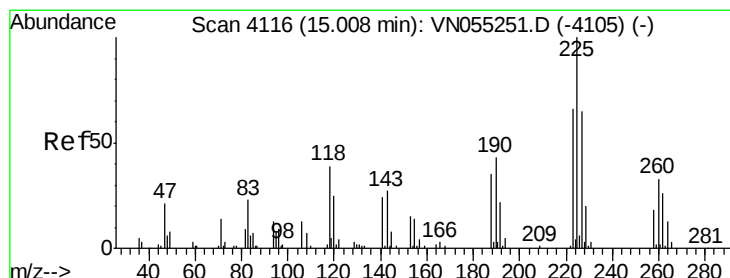
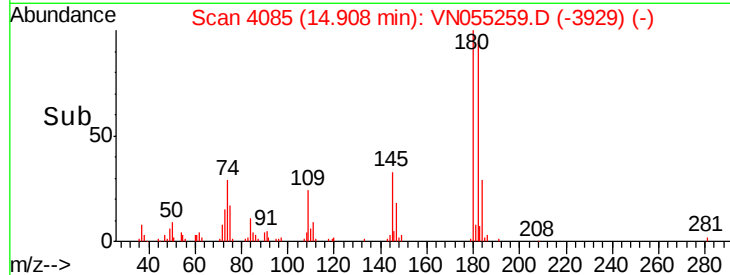
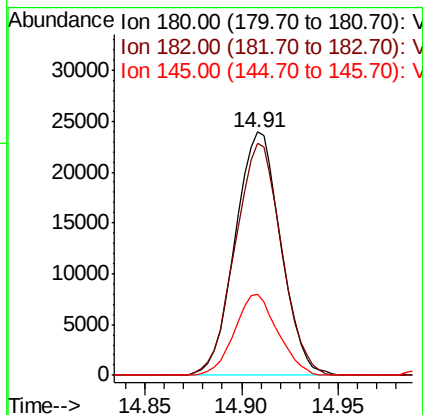
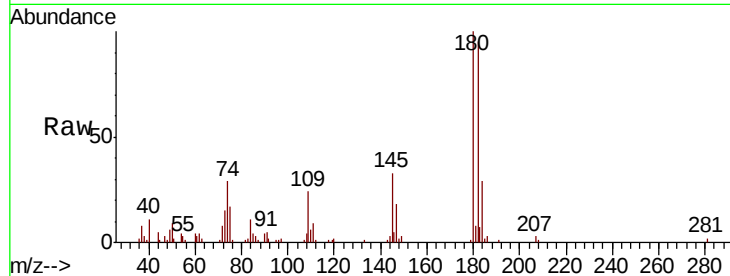




#89
 1,2,4-Trichlorobenzene
 Concen: 13.871 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

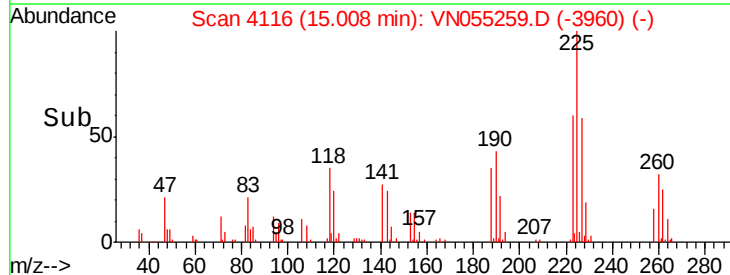
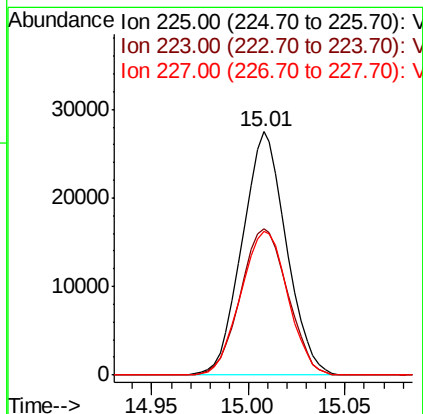
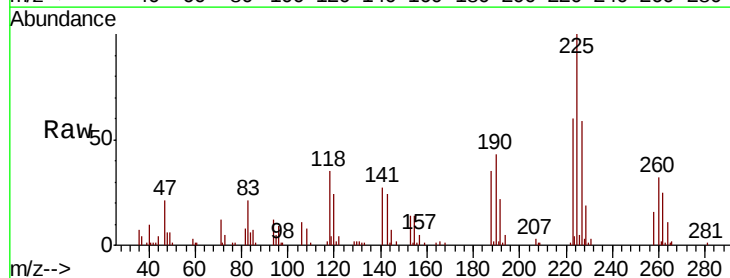
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBS01

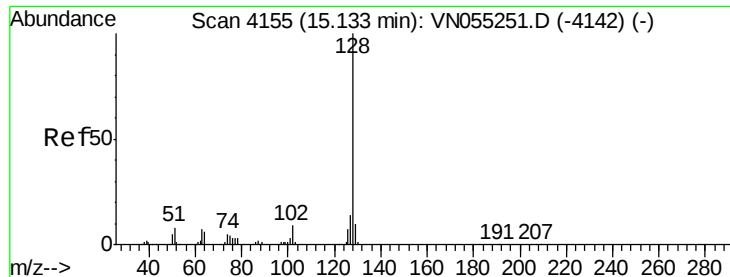
Tot Ion:180 Resp: 39163
 Ion Ratio Lower Upper
 180 100
 182 96.8 74.8 112.2
 145 31.7 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 18.230 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055259.D
 Acq: 25 Apr 2019 22:38

Tgt Ion:225 Resp: 43581
 Ion Ratio Lower Upper
 225 100
 223 64.4 0.0 125.2
 227 62.9 0.0 128.4





#91

Naphthalene

Concen: 13.250 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

Instrument :

MSVOA_N

ClientSampled :

VN0426WBS01

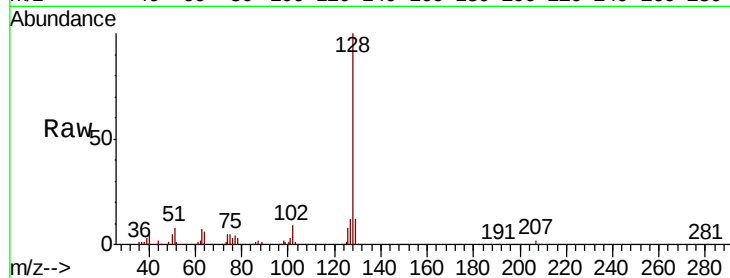
Tot Ion:128 Resp: 86443

Ion Ratio Lower Upper

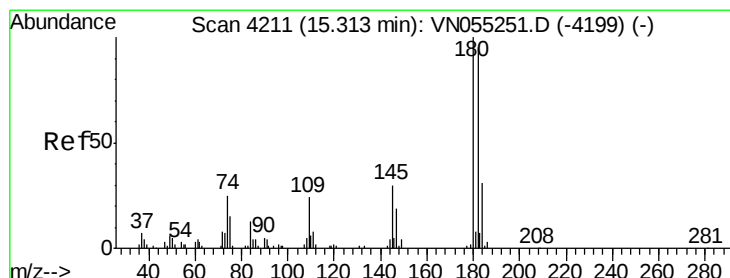
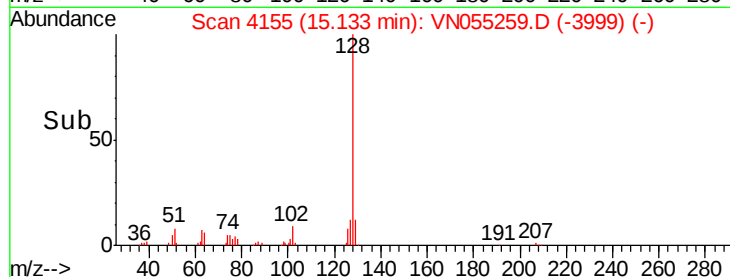
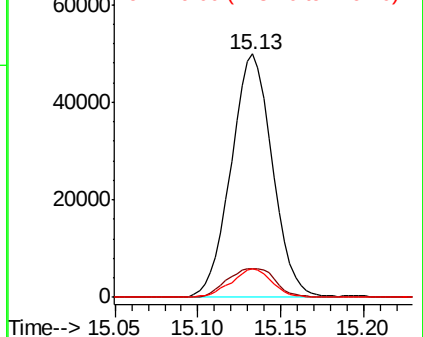
128 100

127 13.6 10.6 16.0

129 11.5 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: 15.417 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055259.D

Acq: 25 Apr 2019 22:38

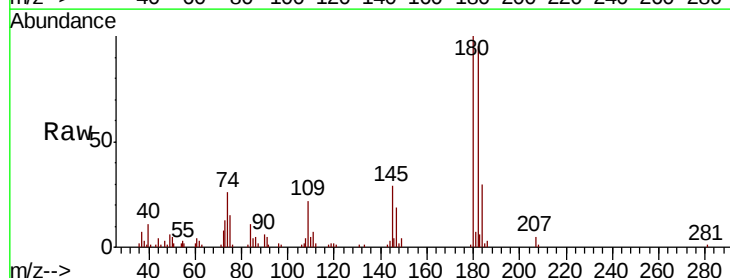
Tgt Ion:180 Resp: 45413

Ion Ratio Lower Upper

180 100

182 94.8 0.0 188.0

145 30.0 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

