

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054826.D
 Acq On : 31 Mar 2019 2:37
 Operator : JC/SP
 Sample : VN0330WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

Quant Time: Mar 31 04:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	396781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	694541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236113	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	301962	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	7.59	113	238532	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	10.09	98	850869	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	271145	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	78680	19.604	ug/l	96
3) Chloromethane	2.07	50	115263	20.770	ug/l	98
4) Vinyl Chloride	2.19	62	105441	21.158	ug/l	100
5) Bromomethane	2.57	94	53028	18.898	ug/l	97
6) Chloroethane	2.71	64	59563	21.405	ug/l	100
7) Trichlorofluoromethane	3.02	101	135234	22.073	ug/l	99
8) Diethyl Ether	3.41	74	44116	22.362	ug/l	60
9) 1,1,2-Trichlorotrifluoroet	3.75	101	64723	20.067	ug/l	94
10) Methyl Iodide	3.94	142	75422	17.082	ug/l #	86
11) Tert butyl alcohol	4.83	59	40636	145.817	ug/l	99
12) 1,1-Dichloroethene	3.73	96	70557	22.622	ug/l #	76
13) Acrolein	3.61	56	35186	141.234	ug/l	95
14) Allyl chloride	4.31	41	157553	20.508	ug/l #	89
15) Acrylonitrile	5.00	53	195634	126.299	ug/l	99
16) Acetone	3.82	43	144788	113.516	ug/l #	80
17) Carbon Disulfide	4.04	76	188025	18.587	ug/l	99
18) Methyl Acetate	4.33	43	90374	26.776	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	259938	23.826	ug/l	97
20) Methylene Chloride	4.55	84	97574	21.687	ug/l #	79
21) trans-1,2-Dichloroethene	5.04	96	90803	22.165	ug/l	88
22) Diisopropyl ether	5.96	45	353733	23.280	ug/l #	93
23) Vinyl Acetate	5.90	43	1264325	119.571	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	183597	22.652	ug/l	98
25) 2-Butanone	6.85	43	249683	132.429	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	65497	11.529	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	104815	22.648	ug/l	92
28) Bromochloromethane	7.19	49	99929	24.656	ug/l #	70
29) Tetrahydrofuran	7.23	42	174512	133.266	ug/l #	82
30) Chloroform	7.37	83	178637	23.113	ug/l	100
31) Cyclohexane	7.65	56	165005	21.153	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	146111	22.812	ug/l	95
36) 1,1-Dichloropropene	7.79	75	129485	20.008	ug/l	95
37) Ethyl Acetate	6.94	43	111502	23.494	ug/l	94
38) Carbon Tetrachloride	7.77	117	125169	19.913	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	127832	17.967	ug/l	90
40) Benzene	8.04	78	392880	21.216	ug/l	99
41) Methacrylonitrile	7.18	41	60279	22.610	ug/l	88
42) 1,2-Dichloroethane	8.13	62	146312	22.128	ug/l	99
43) Isopropyl Acetate	8.17	43	183972	23.857	ug/l #	94
44) Trichloroethene	8.84	130	100719	20.952	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110036	20.839	ug/l	100
46) Dibromomethane	9.21	93	64232	21.624	ug/l	89
47) Bromodichloromethane	9.40	83	135327	21.921	ug/l	97
48) Methyl methacrylate	9.20	41	90996	21.768	ug/l	88
49) 1,4-Dioxane	9.21	88	20955	505.223	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	534563	123.297	ug/l	92
52) Toluene	10.16	92	230583	20.926	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	107276	18.473	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	132782	19.142	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	89794	21.915	ug/l	95
56) Ethyl methacrylate	10.43	69	120105	22.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	155867	22.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224586	103.340	ug/l #	88
59) 2-Hexanone	10.75	43	327251	117.909	ug/l	91
60) Dibromochloromethane	10.90	129	88841	21.405	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86503	22.092	ug/l	98
64) Tetrachloroethene	10.63	164	97888	21.723	ug/l	97
65) Chlorobenzene	11.44	112	241405	20.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91979	21.374	ug/l	99
67) Ethyl Benzene	11.51	91	428711	20.664	ug/l	97
68) m/p-Xylenes	11.62	106	313159	40.788	ug/l	95
69) o-Xylene	11.95	106	152832	20.300	ug/l	93
70) Styrene	11.97	104	251762	20.914	ug/l	96
71) Bromoform	12.13	173	54533	21.631	ug/l #	98
73) Isopropylbenzene	12.25	105	405837	21.029	ug/l	98
74) N-amyl acetate	12.07	43	136218	22.656	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	111769	25.430	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124169	30.272	ug/l #	100
77) Bromobenzene	12.53	156	98586	21.166	ug/l	85
78) n-propylbenzene	12.59	91	439420	20.716	ug/l	95
79) 2-Chlorotoluene	12.68	91	277681	21.160	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	323519	20.430	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18171	17.231	ug/l #	78
82) 4-Chlorotoluene	12.77	91	259451	20.355	ug/l	94
83) tert-Butylbenzene	12.99	119	283166	21.906	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	316568	20.984	ug/l	98
85) sec-Butylbenzene	13.17	105	348848	20.279	ug/l	96
86) p-Isopropyltoluene	13.29	119	296566	19.547	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	158741	20.356	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	151734	19.839	ug/l	96
89) n-Butylbenzene	13.62	91	223164	18.028	ug/l	97
90) Hexachloroethane	13.88	117	49686	19.288	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	161747	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15705	23.805	ug/l	85

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

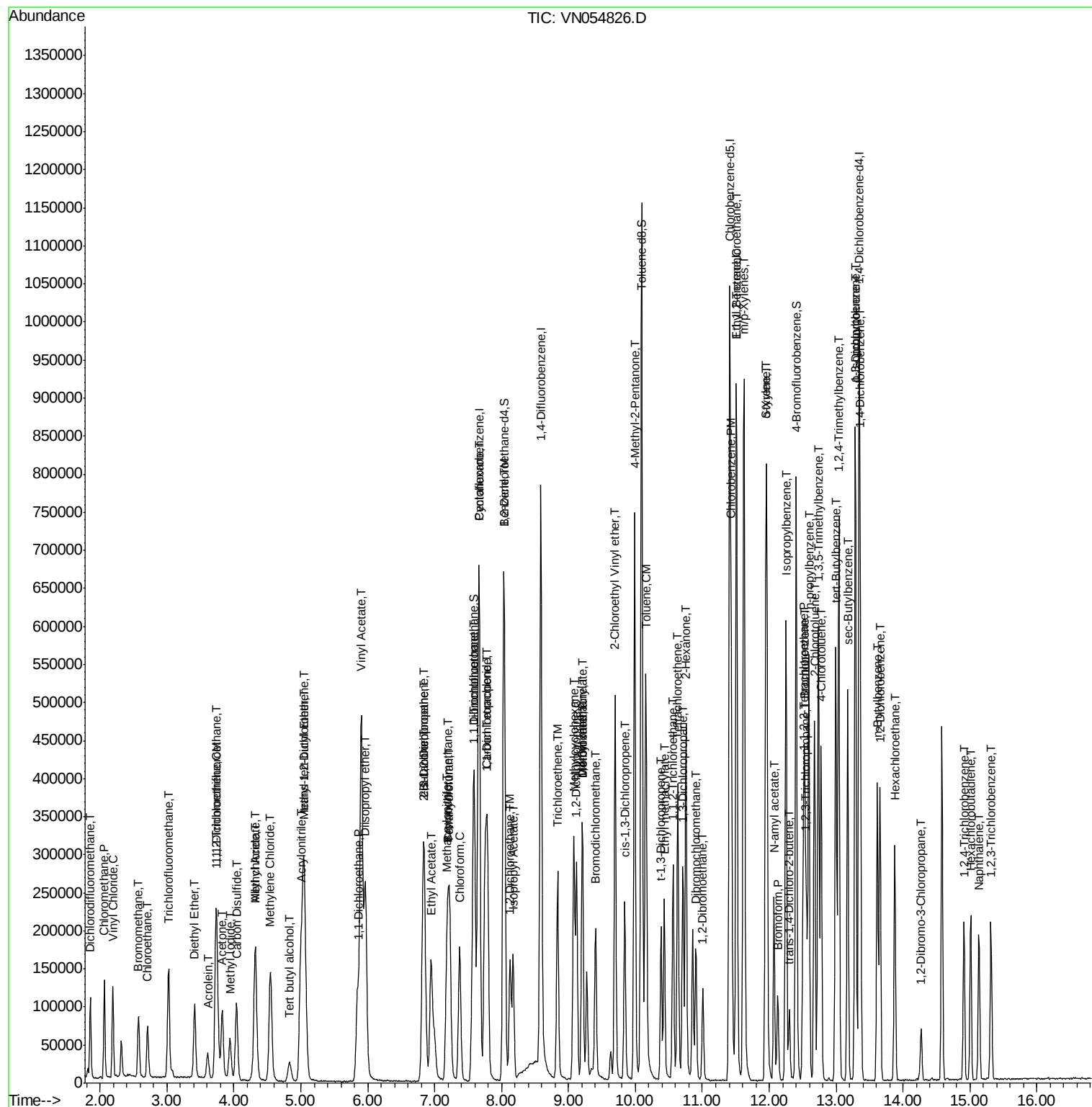
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66943	17.643	ug/l	98
94) Hexachlorobutadiene	15.01	225	41795	17.221	ug/l	97
95) Naphthalene	15.13	128	164821	19.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	70681	18.446	ug/l	99

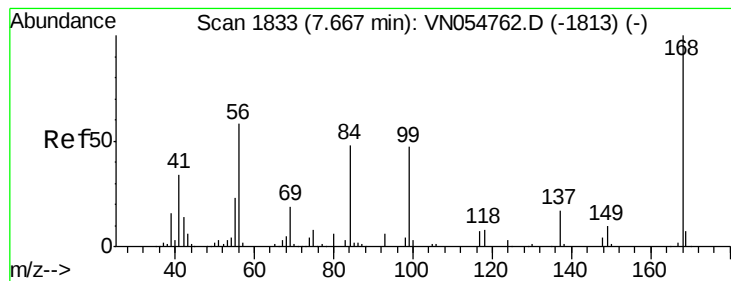
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

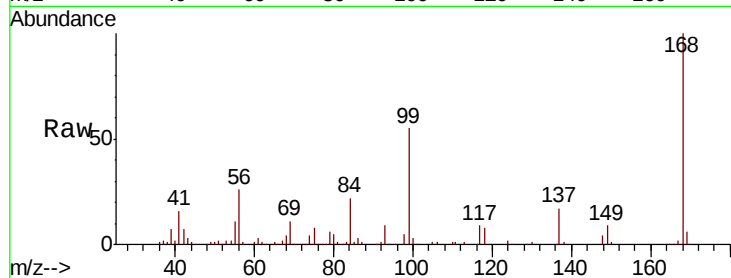
VN0330WBS02

Tot Ion:168 Resp: 396781

Ion Ratio Lower Upper

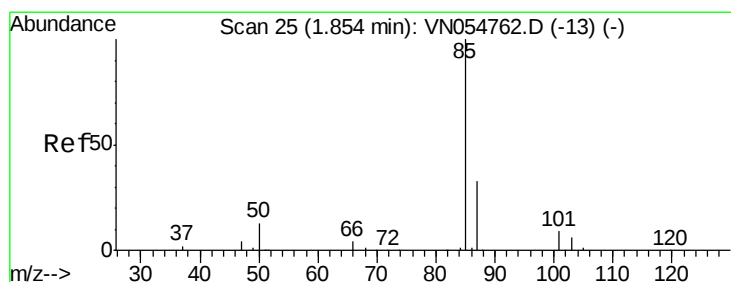
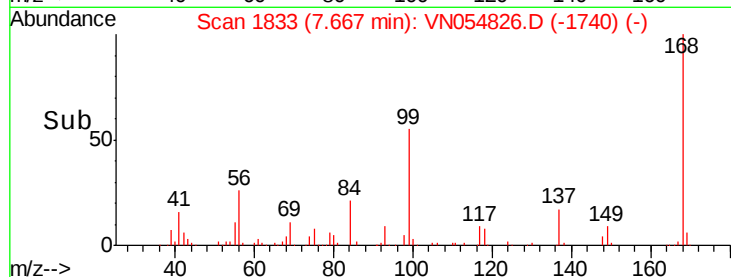
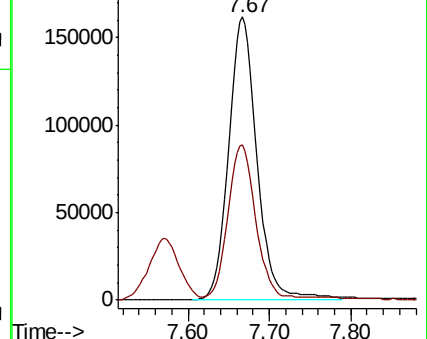
168 100

99 54.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.604 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054826.D

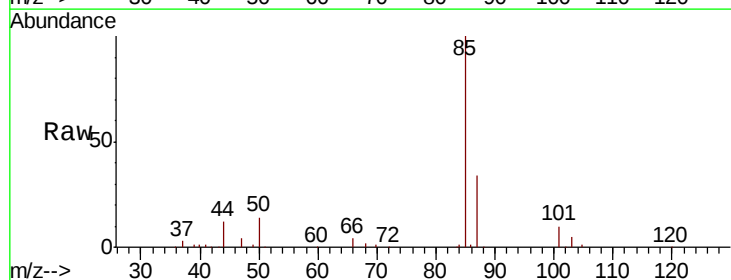
Acq: 31 Mar 2019 2:37

Tgt Ion: 85 Resp: 78680

Ion Ratio Lower Upper

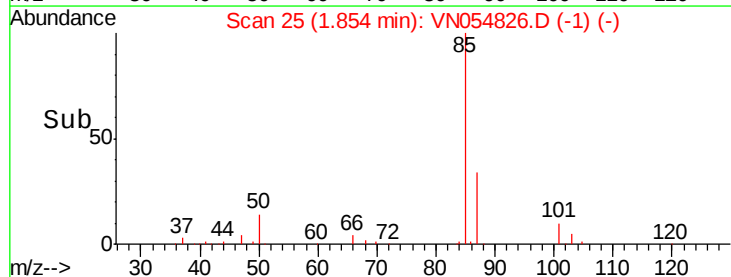
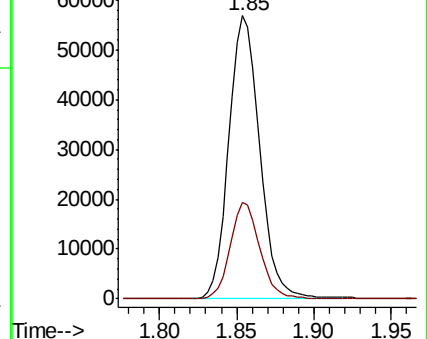
85 100

87 34.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.770 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

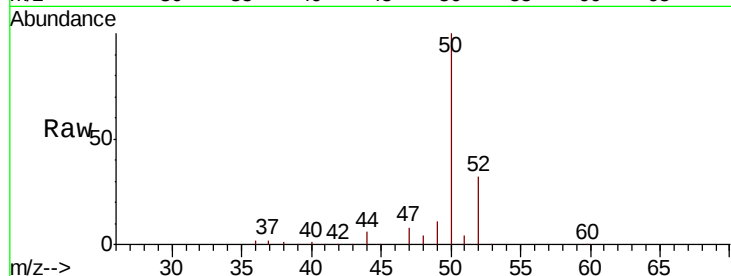
VN0330WBS02

Tot Ion: 50 Resp: 115263

Ion Ratio Lower Upper

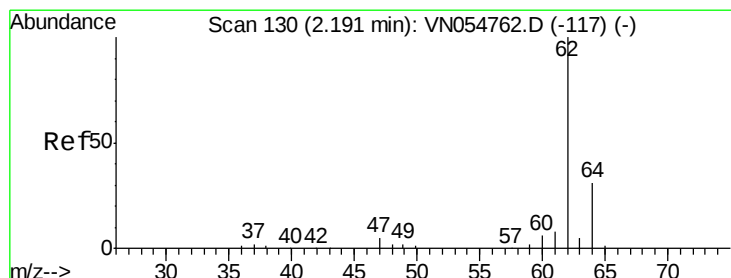
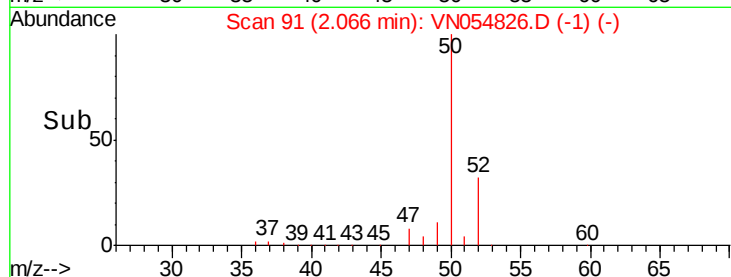
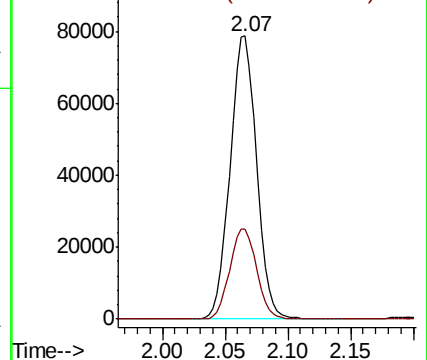
50 100

52 32.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.158 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054826.D

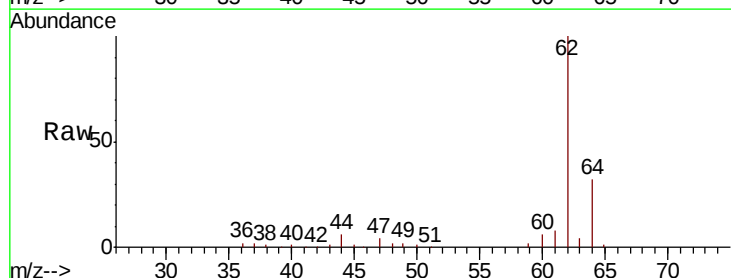
Acq: 31 Mar 2019 2:37

Tgt Ion: 62 Resp: 105441

Ion Ratio Lower Upper

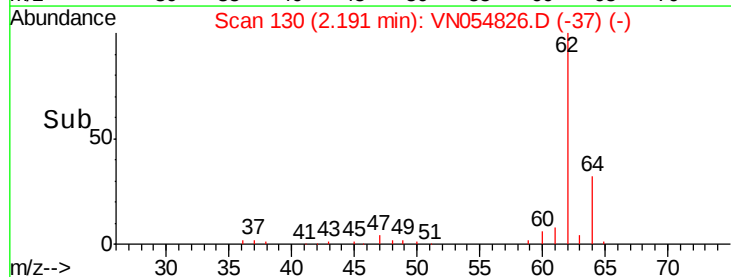
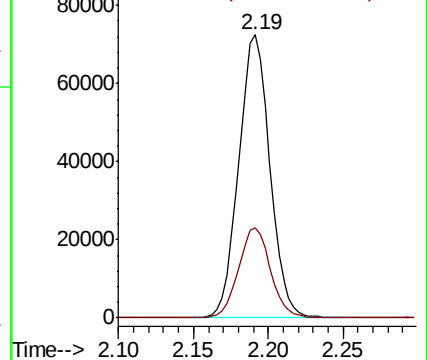
62 100

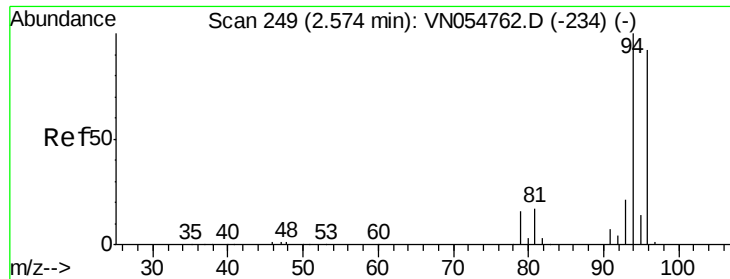
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

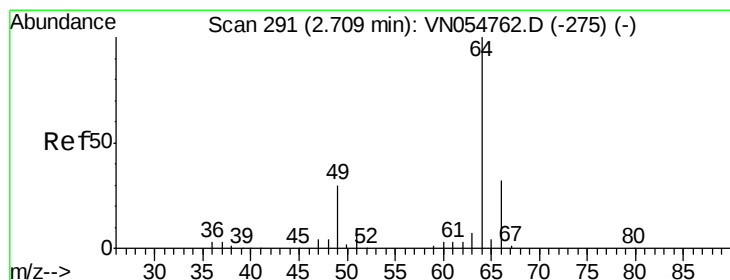
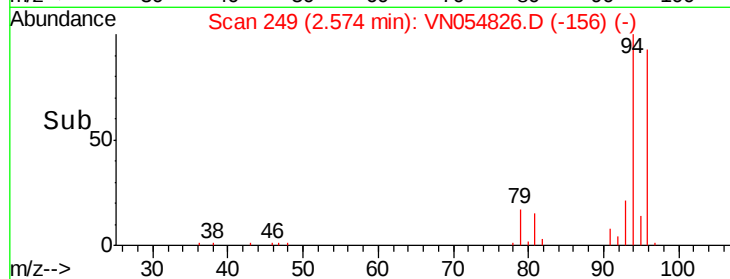
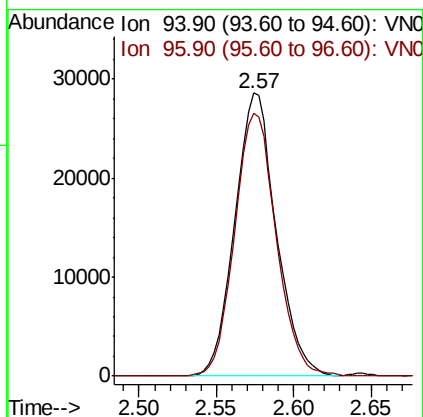
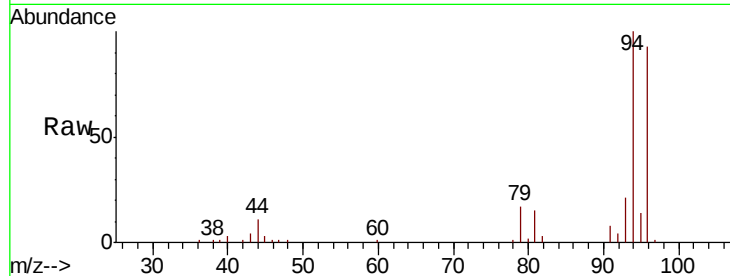




#5
Bromomethane
Concen: 18.898 ug/l
RT: 2.57 min Scan# 249
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

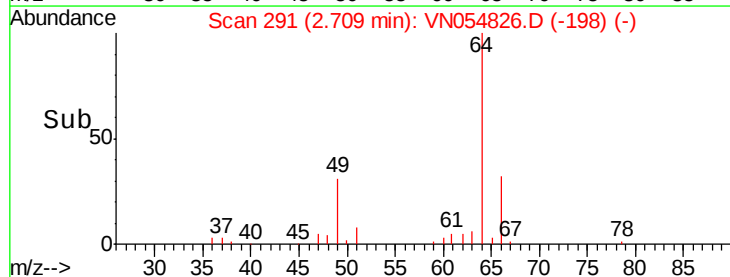
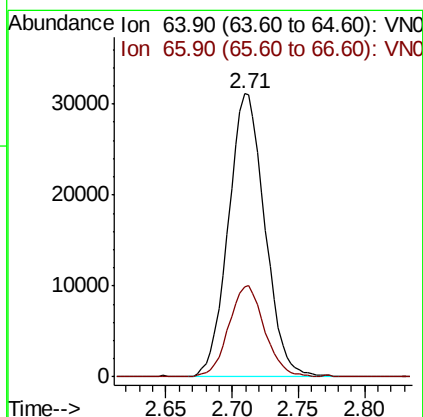
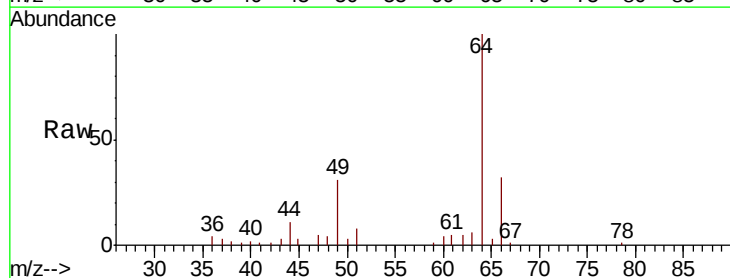
Instrument :
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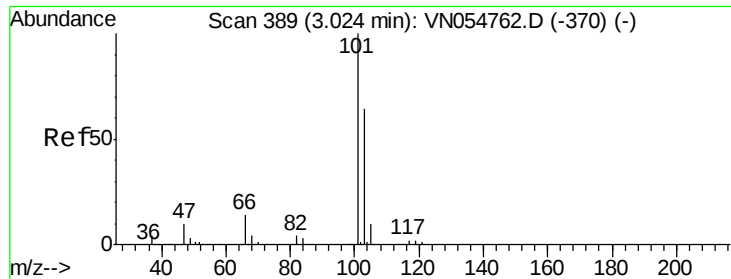
Tot Ion: 94 Resp: 53028
Ion Ratio Lower Upper
94 100
96 93.0 77.0 115.4



#6
Chloroethane
Concen: 21.405 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 64 Resp: 59563
Ion Ratio Lower Upper
64 100
66 32.1 25.7 38.5



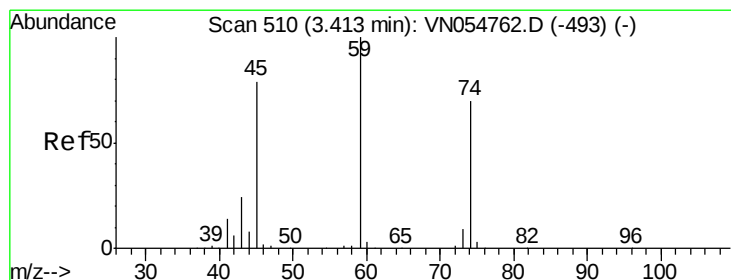
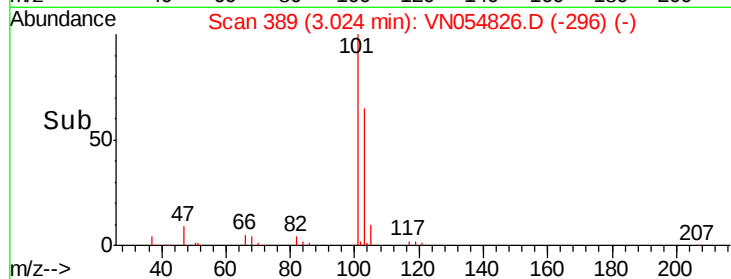
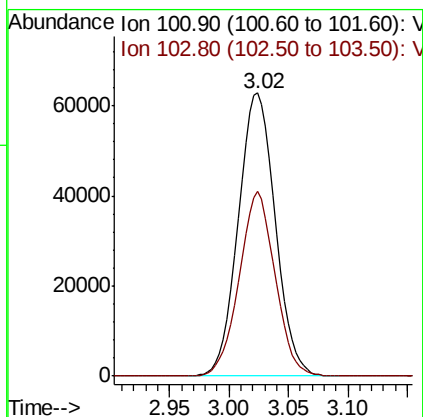
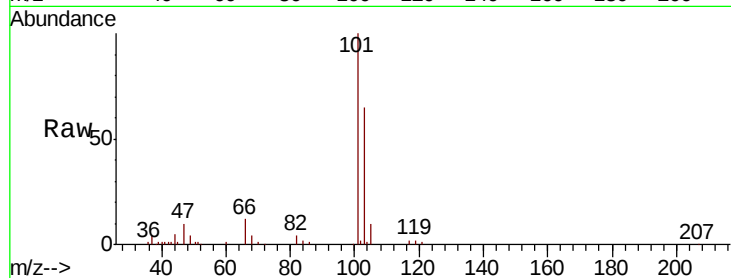


#7

Trichlorofluoromethane
 Concen: 22.073 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :
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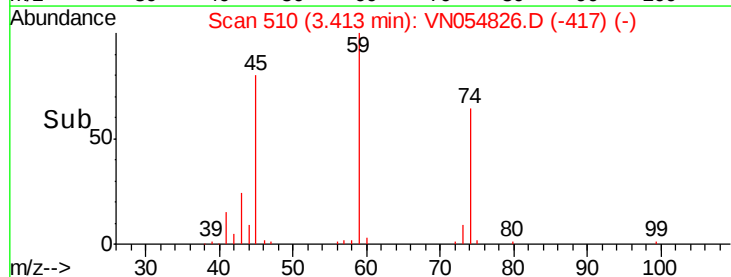
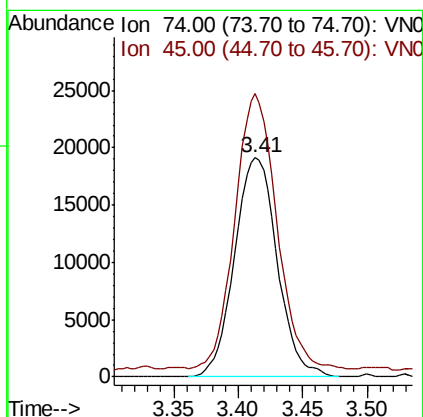
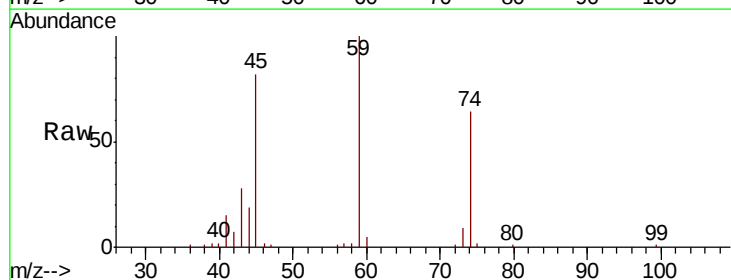
Tot Ion:101 Resp: 135234
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.2

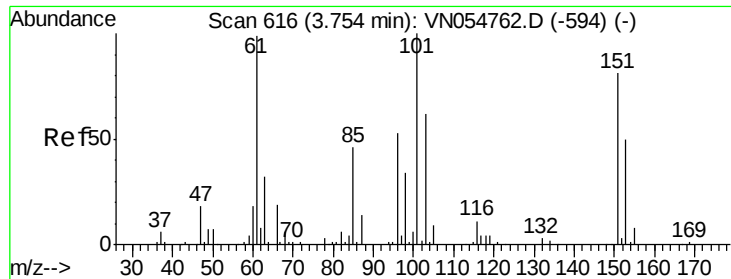


#8

Diethyl Ether
 Concen: 22.362 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 74 Resp: 44116
 Ion Ratio Lower Upper
 74 100
 45 123.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.067 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

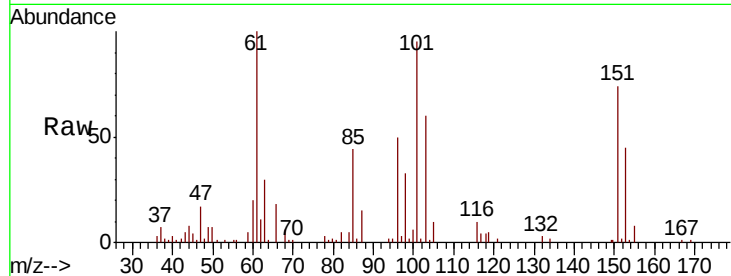
Tot Ion:101 Resp: 64723

Ion Ratio Lower Upper

101 100

85 46.7 32.4 48.6

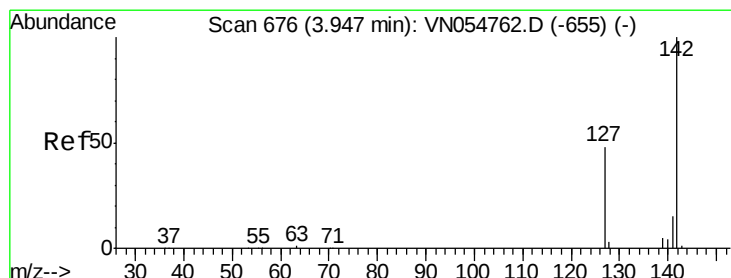
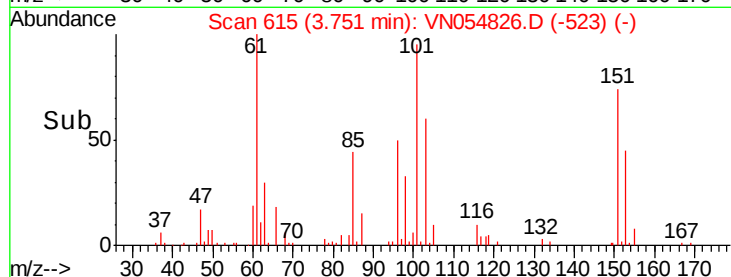
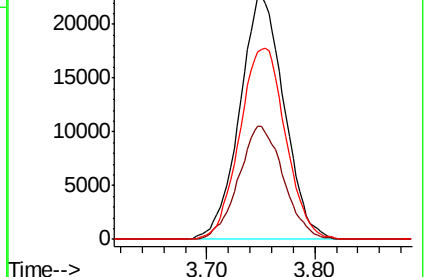
151 81.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.082 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

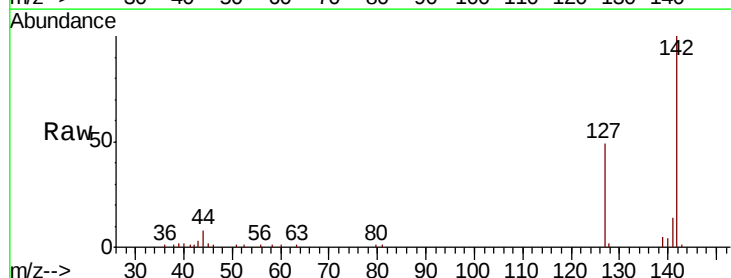
Tgt Ion:142 Resp: 75422

Ion Ratio Lower Upper

142 100

127 48.6 30.3 45.5#

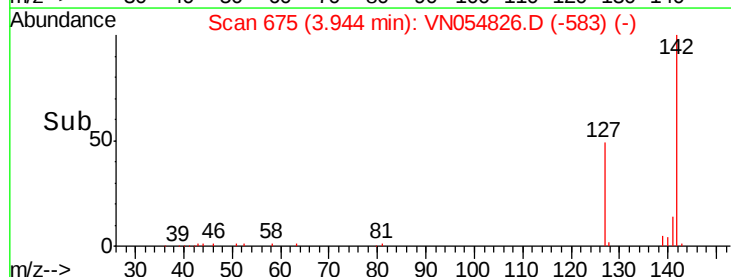
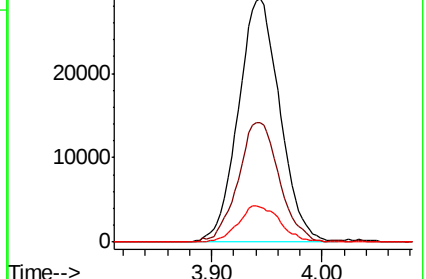
141 15.0 11.2 16.8

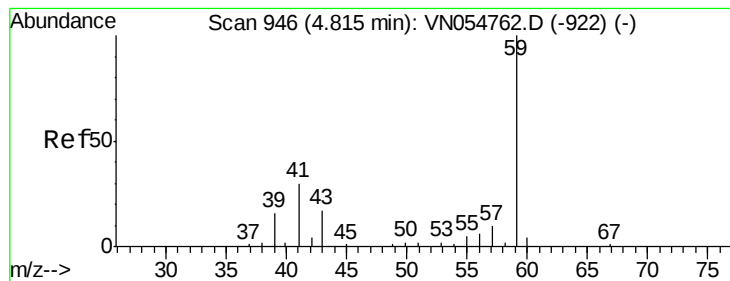


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



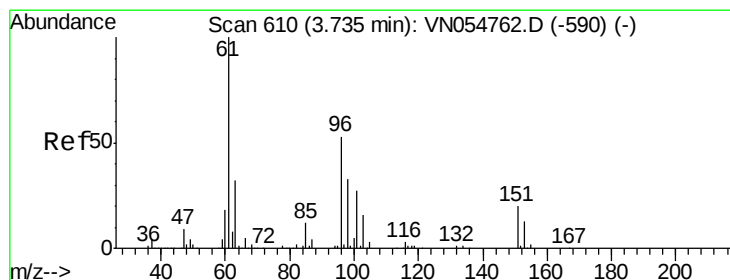
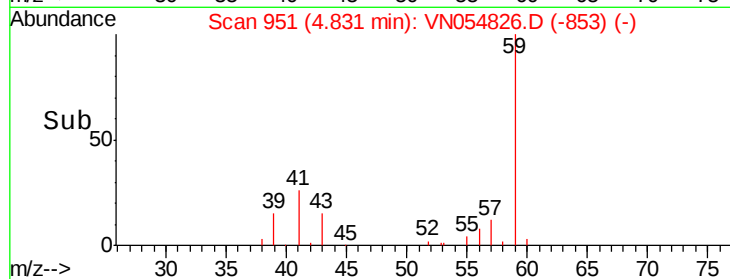
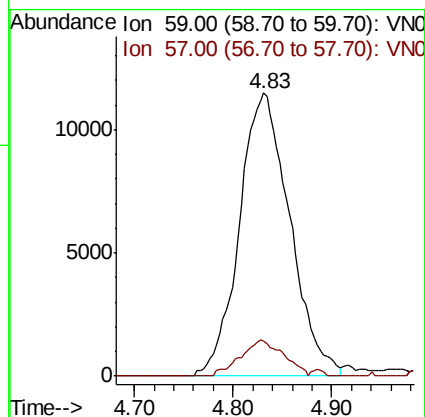
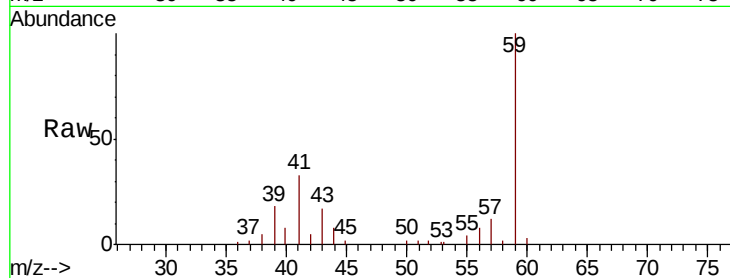


#11

Tert butyl alcohol
 Concen: 145.817 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBS02

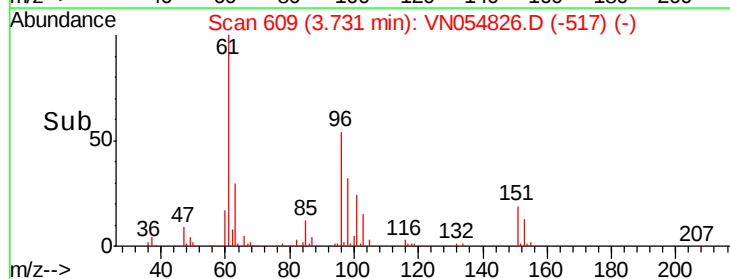
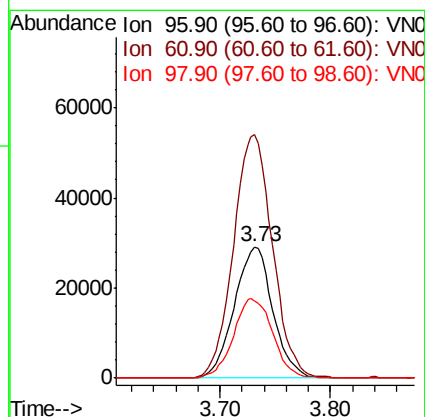
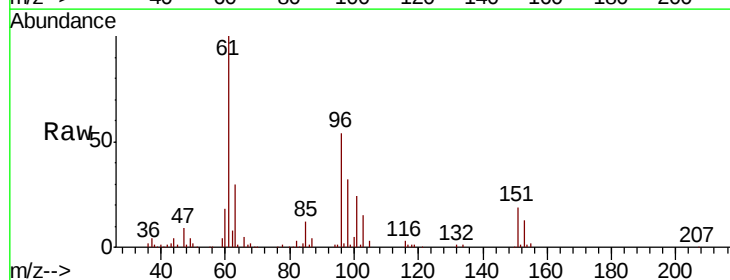
Tot Ion: 59 Resp: 40636
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.6

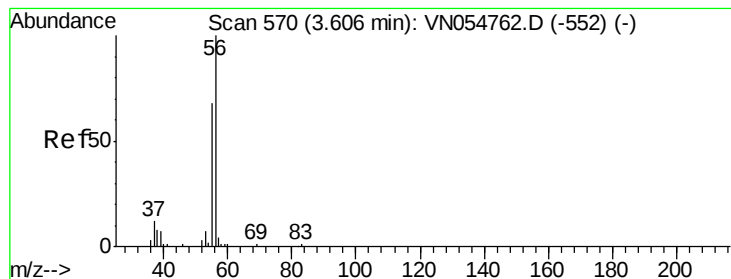


#12

1,1-Dichloroethene
 Concen: 22.622 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 96 Resp: 70557
 Ion Ratio Lower Upper
 96 100
 61 185.3 116.5 174.7#
 98 58.6 51.0 76.4





#13

Acrolein

Concen: 141.234 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

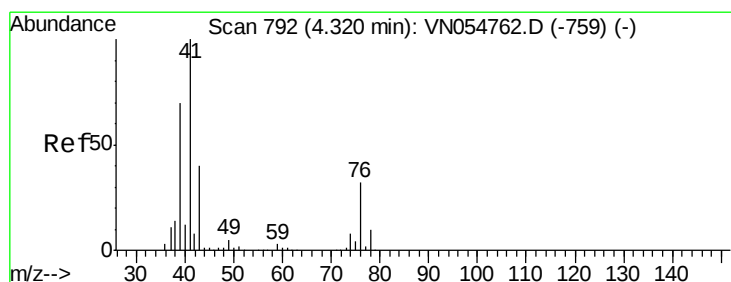
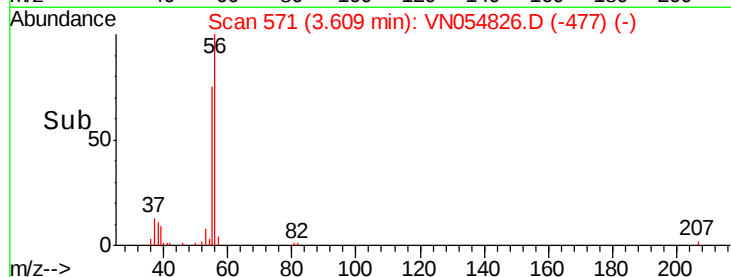
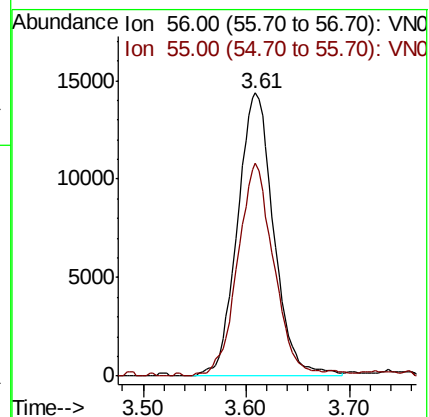
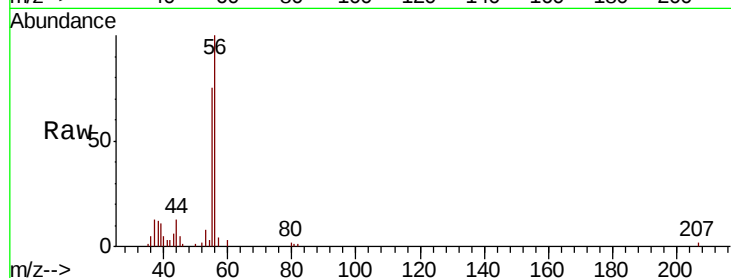
VN0330WBS02

Tot Ion: 56 Resp: 35186

Ion Ratio Lower Upper

56 100

55 74.8 56.7 85.1



#14

Allyl chloride

Concen: 20.508 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

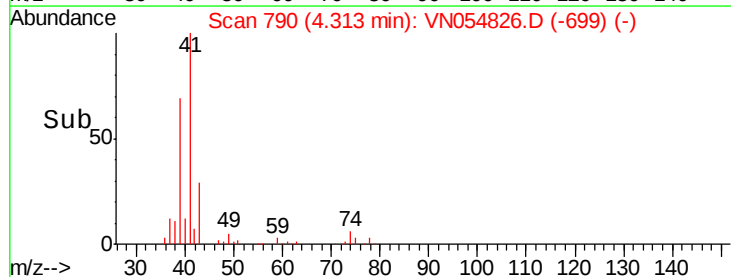
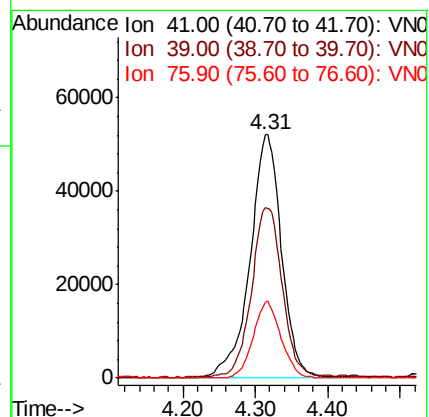
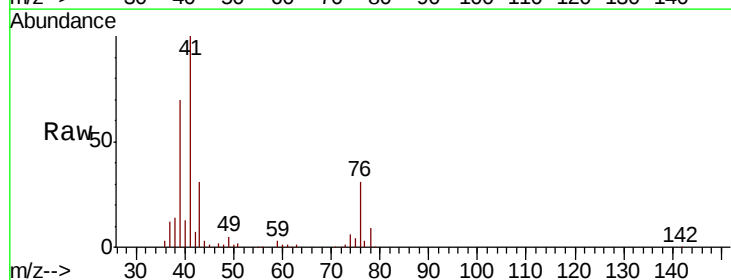
Tgt Ion: 41 Resp: 157553

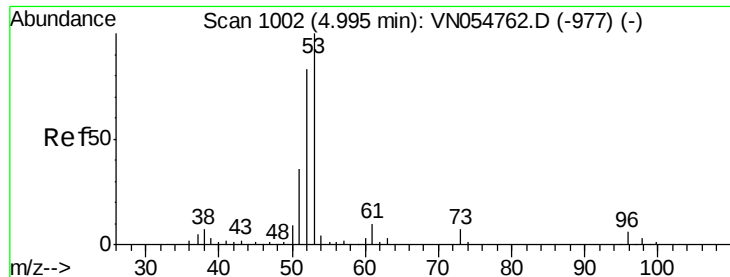
Ion Ratio Lower Upper

41 100

39 67.3 58.2 87.4

76 27.9 31.7 47.5#





#15

Acrylonitrile

Concen: 126.299 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

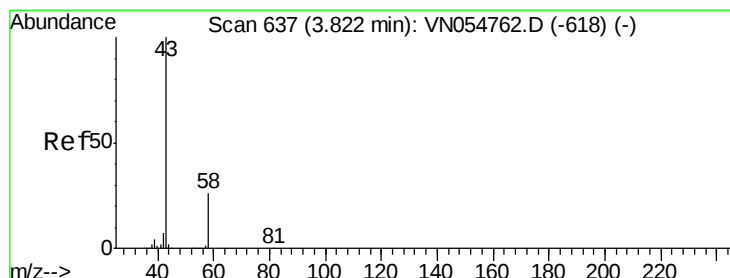
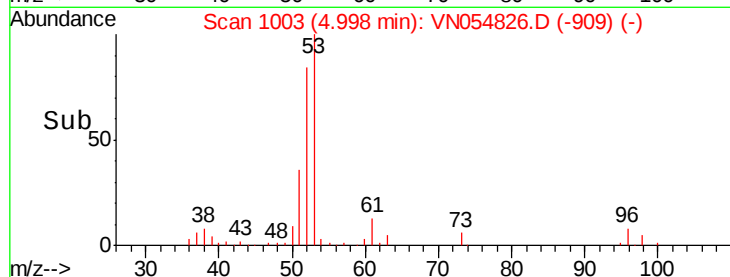
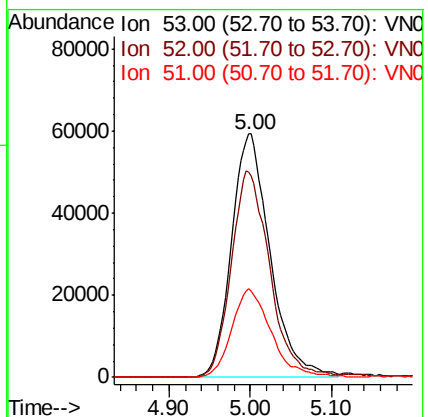
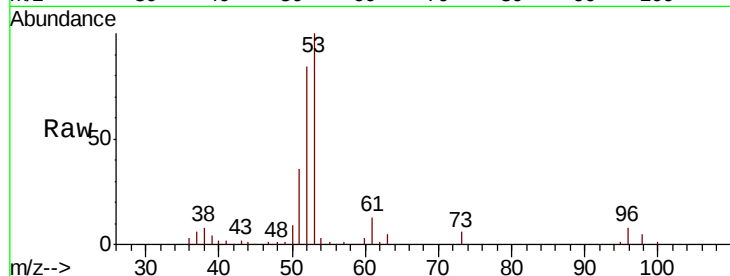
Tot Ion: 53 Resp: 195634

Ion Ratio Lower Upper

53 100

52 84.5 66.4 99.6

51 37.0 29.6 44.4



#16

Acetone

Concen: 113.516 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054826.D

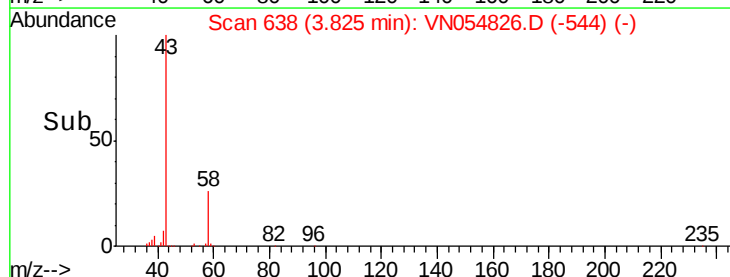
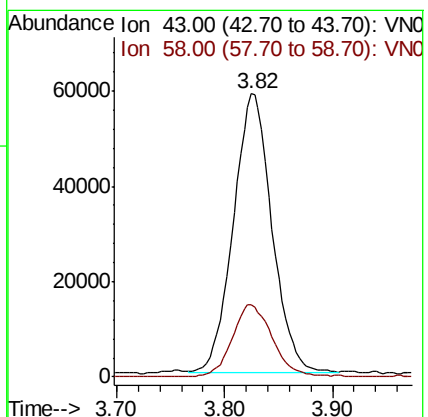
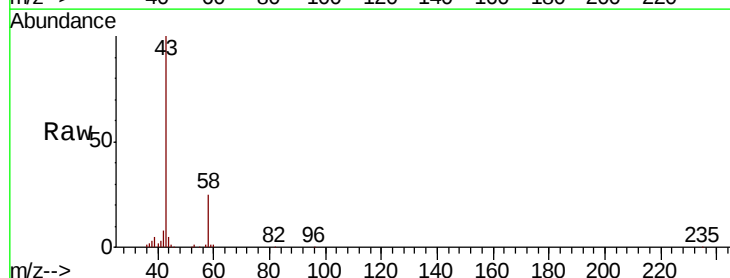
Acq: 31 Mar 2019 2:37

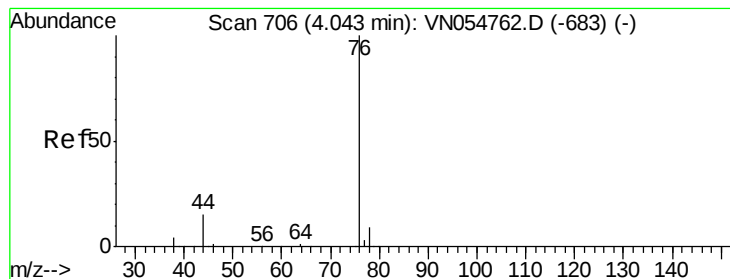
Tgt Ion: 43 Resp: 144788

Ion Ratio Lower Upper

43 100

58 25.4 29.9 44.9#





#17

Carbon Disulfide

Concen: 18.587 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

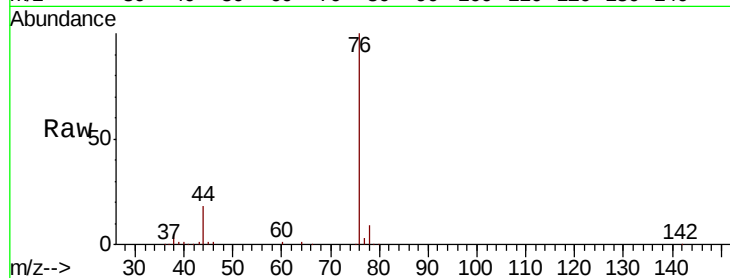
VN0330WBS02

Tot Ion: 76 Resp: 188025

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

80000

60000

40000

20000

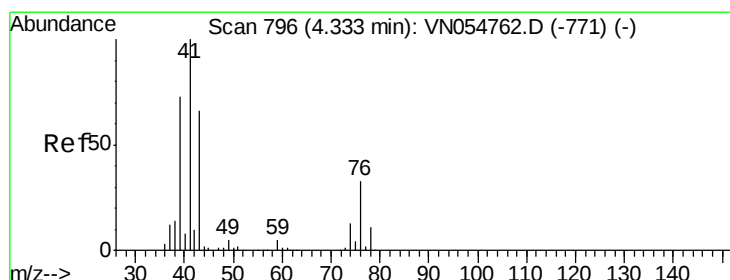
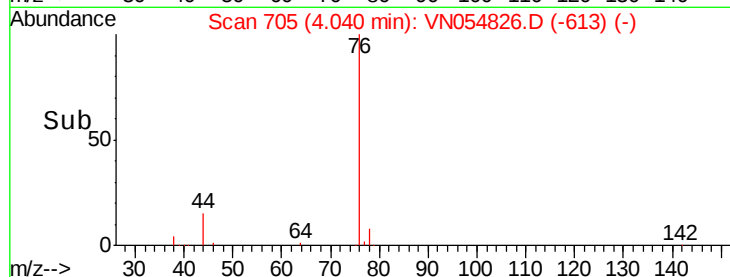
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 26.776 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054826.D

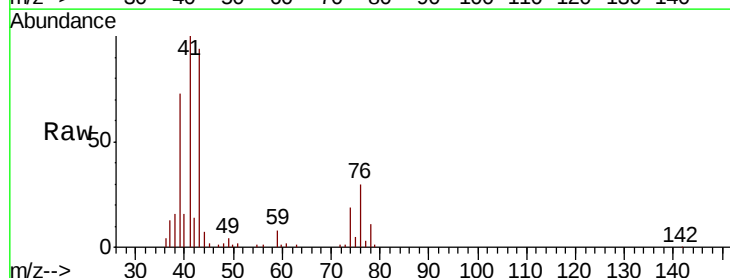
Acq: 31 Mar 2019 2:37

Tgt Ion: 43 Resp: 90374

Ion Ratio Lower Upper

43 100

74 20.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

20000

10000

0

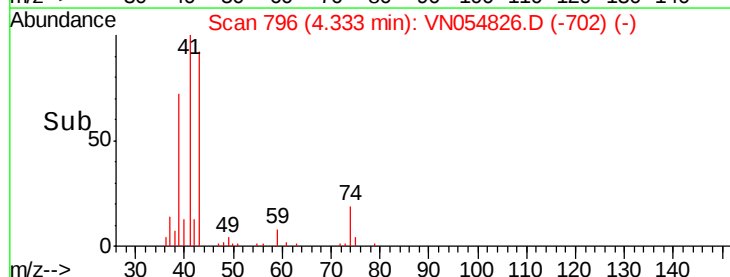
Time-->

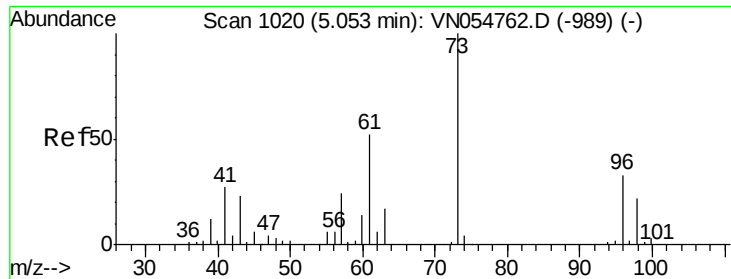
4.20

4.30

4.40

4.50

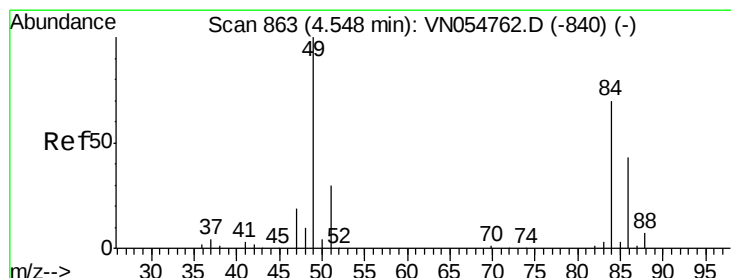
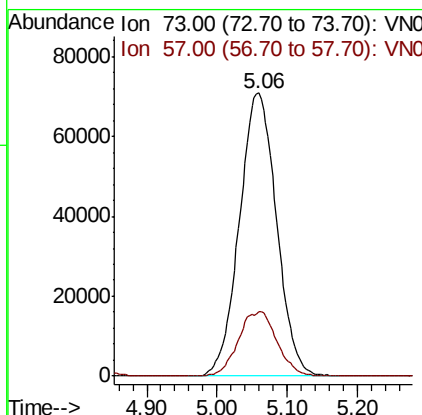
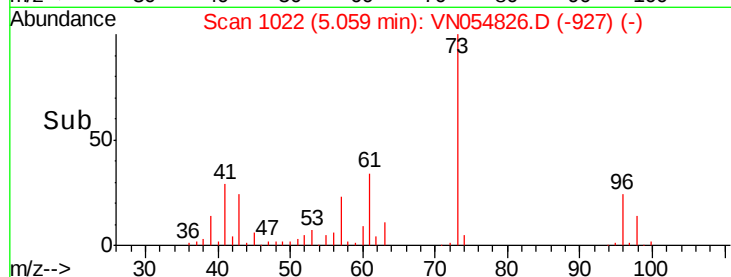
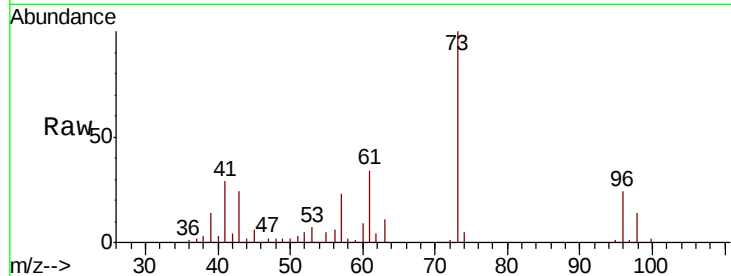




#19
Methyl tert-butyl Ether
Concen: 23.826 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

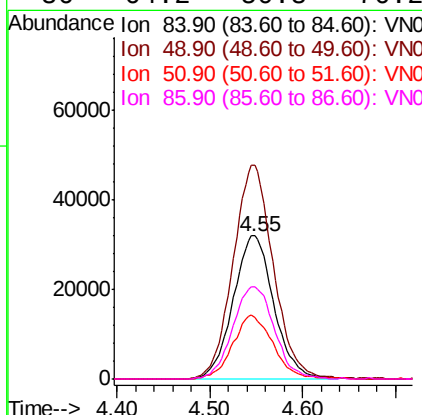
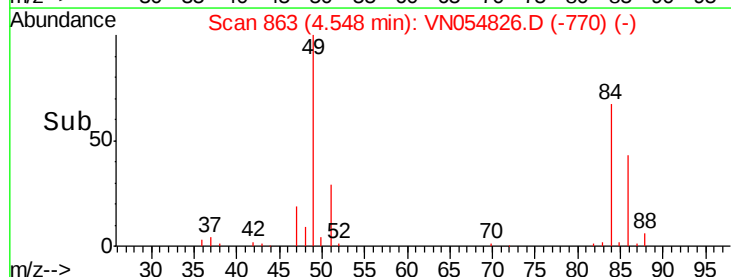
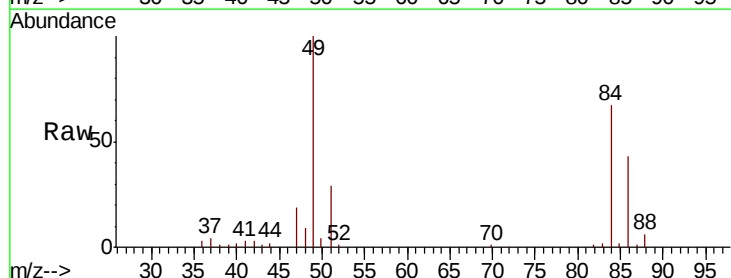
Instrument :
MSVOA_N
ClientSampled :
VN0330WBS02

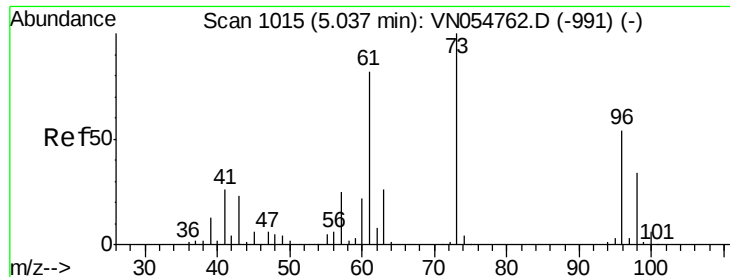
Tot Ion: 73 Resp: 259938
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 21.687 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 84 Resp: 97574
Ion Ratio Lower Upper
84 100
49 149.1 89.7 134.5#
51 43.0 28.2 42.4#
86 64.2 50.8 76.2

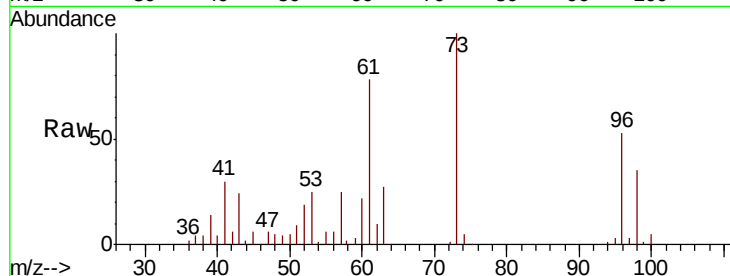




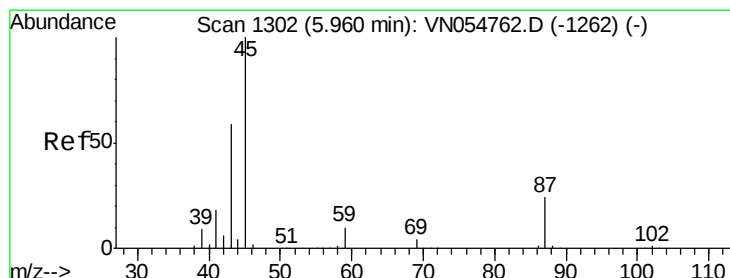
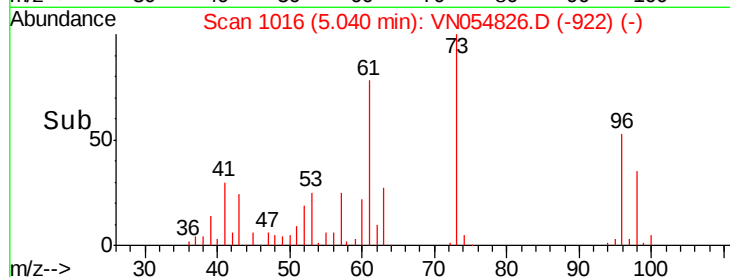
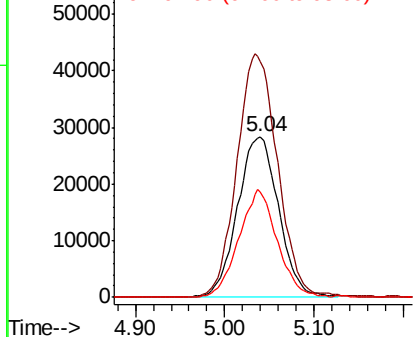
#21
trans-1,2-Dichloroethene
Concen: 22.165 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion: 96 Resp: 90803
Ion Ratio Lower Upper
96 100
61 146.6 102.8 154.2
98 65.7 50.0 75.0

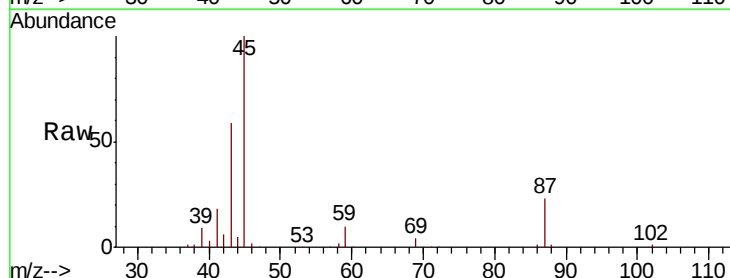


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

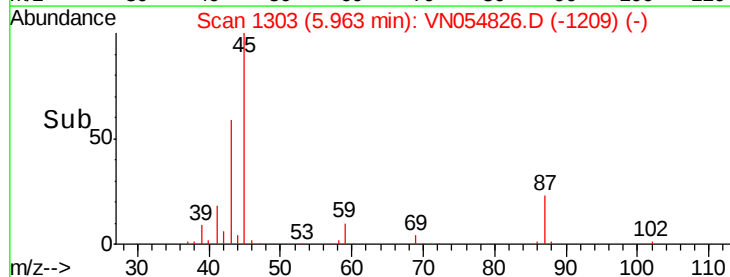
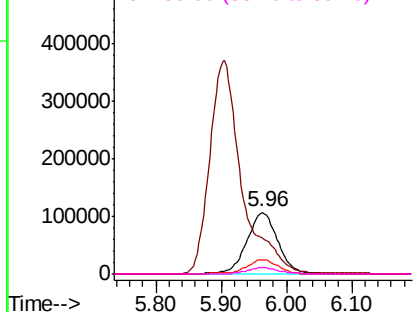


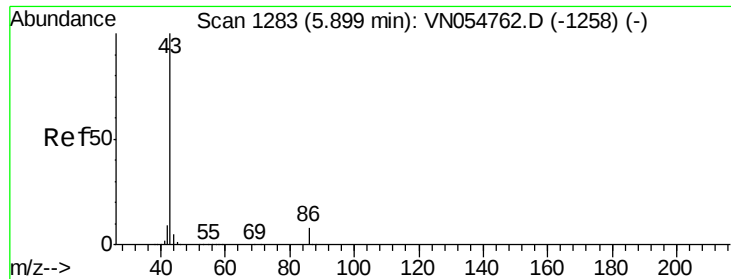
#22
Diisopropyl ether
Concen: 23.280 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 45 Resp: 353733
Ion Ratio Lower Upper
45 100
43 57.4 48.2 72.2
87 23.1 24.9 37.3#
59 9.8 9.5 14.3



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





#23

Vinyl Acetate

Concen: 119.571 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

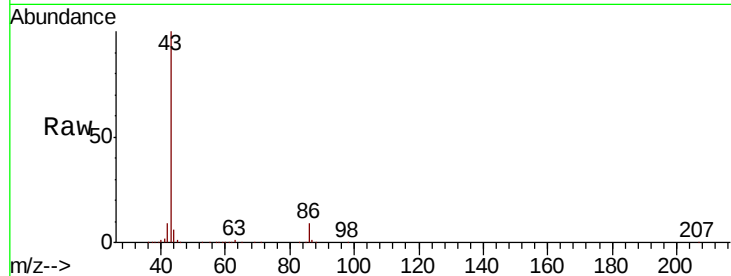
VN0330WBS02

Tot Ion: 43 Resp: 1264325

Ion Ratio Lower Upper

43 100

86 8.7 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

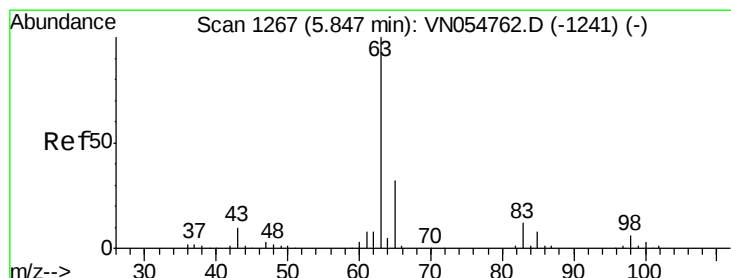
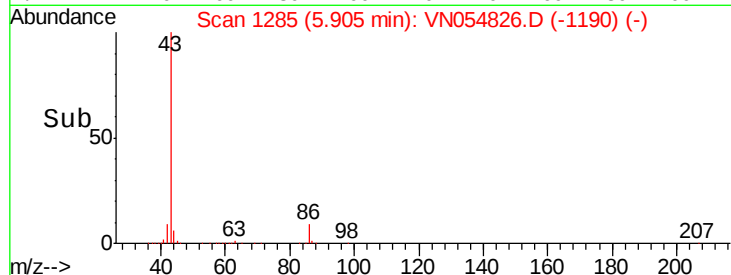
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.652 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

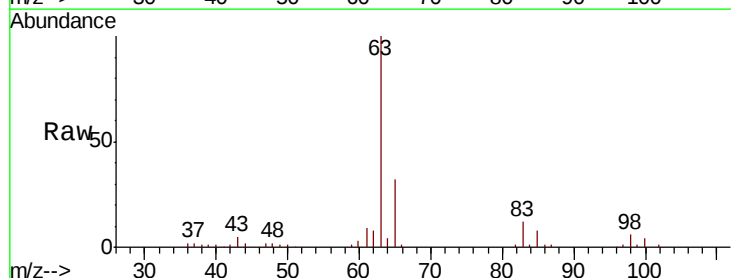
Tgt Ion: 63 Resp: 183597

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

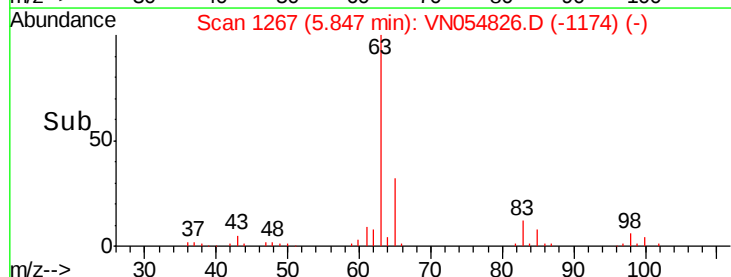
60000

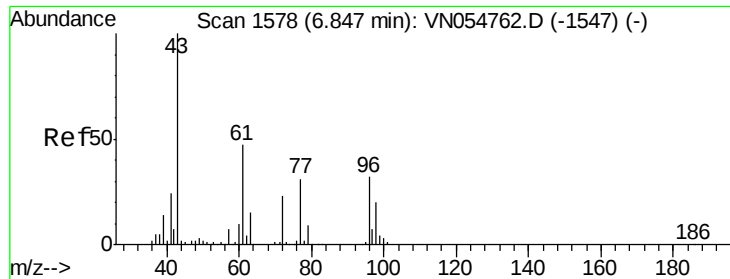
40000

20000

0

Time-->

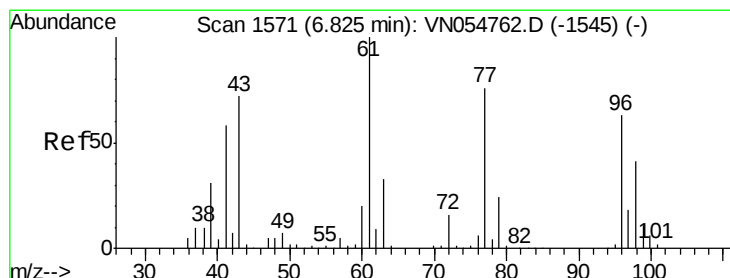
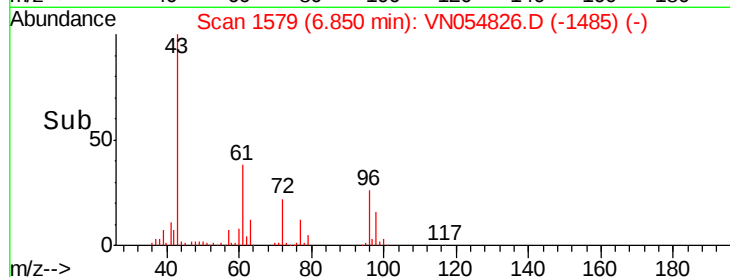
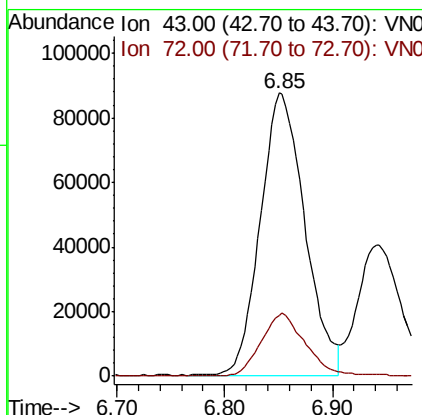
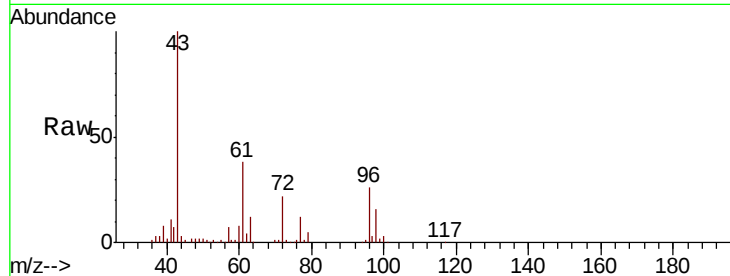




#25
 2-Butanone
 Concen: 132.429 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

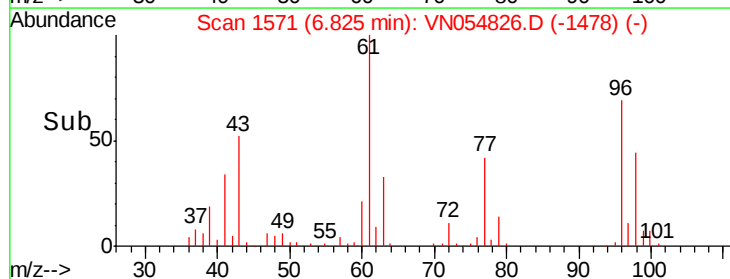
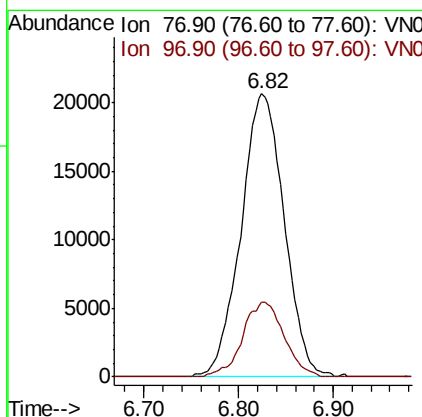
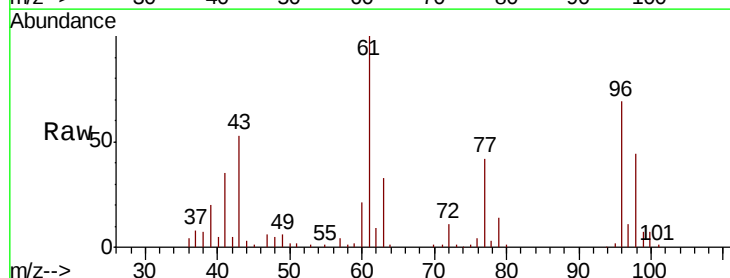
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

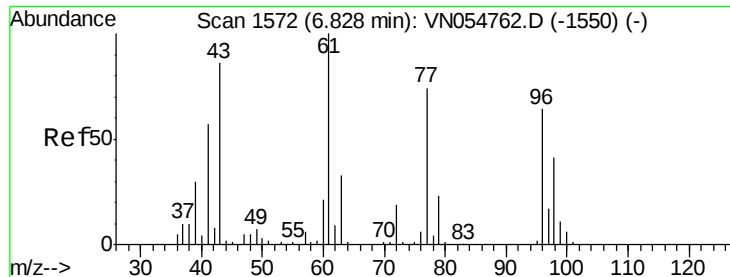
Tot Ion: 43 Resp: 249683
 Ion Ratio Lower Upper
 43 100
 72 21.7 23.0 34.6#



#26
 2,2-Dichloropropane
 Concen: 11.529 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 77 Resp: 65497
 Ion Ratio Lower Upper
 77 100
 97 25.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.648 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

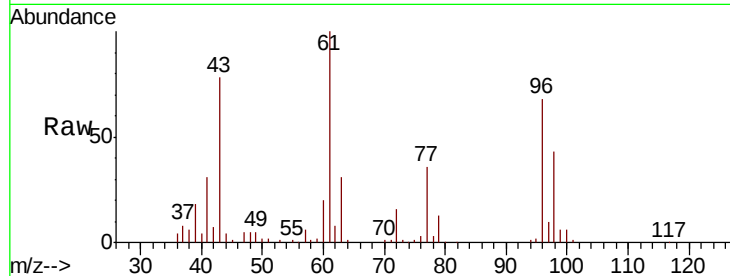
Tot Ion: 96 Resp: 104815

Ion Ratio Lower Upper

96 100

61 148.8 0.0 273.0

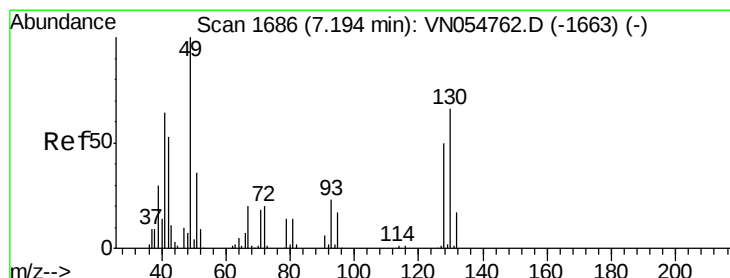
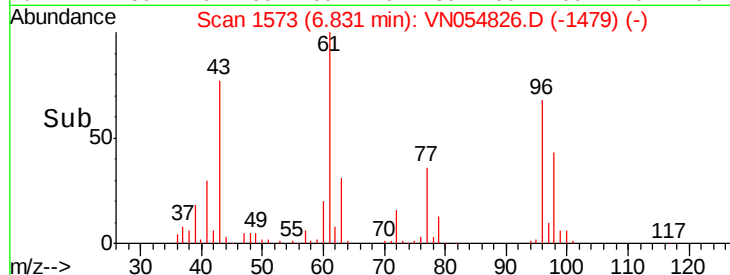
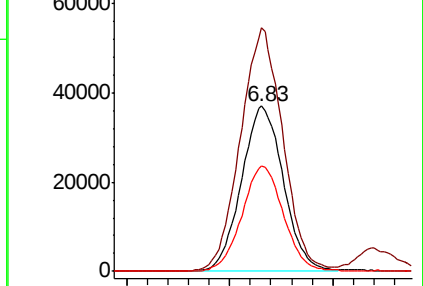
98 63.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 24.656 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

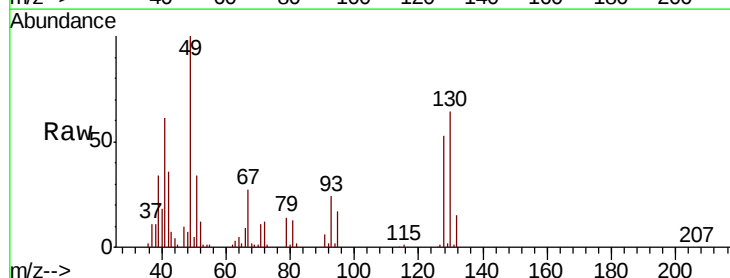
Tgt Ion: 49 Resp: 99929

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

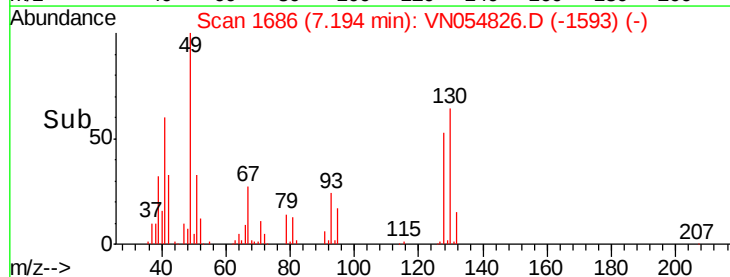
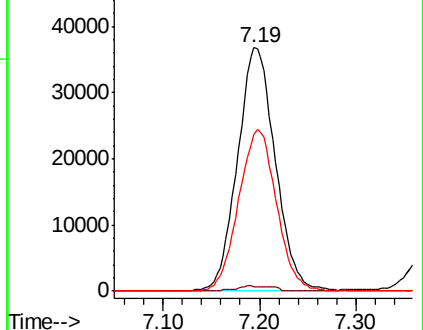
130 66.2 76.7 115.1#

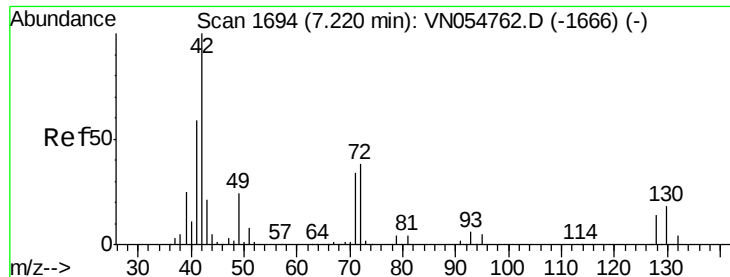


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 133.266 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

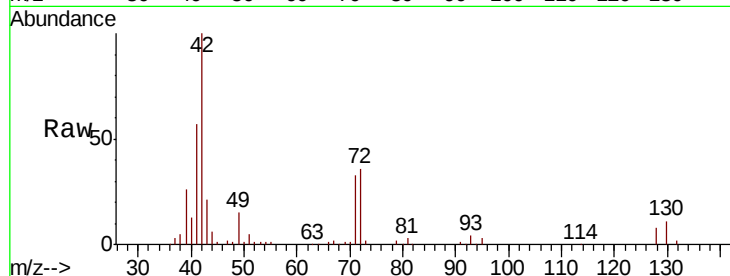
Tot Ion: 42 Resp: 174512

Ion Ratio Lower Upper

42 100

72 35.7 37.8 56.6#

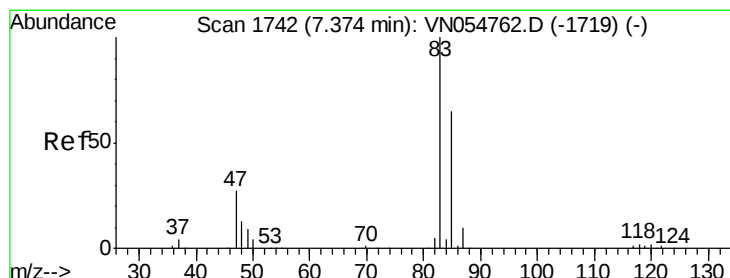
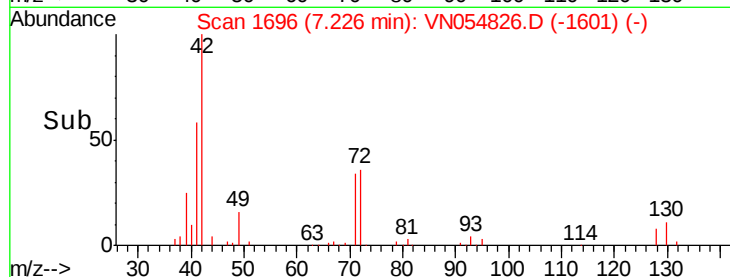
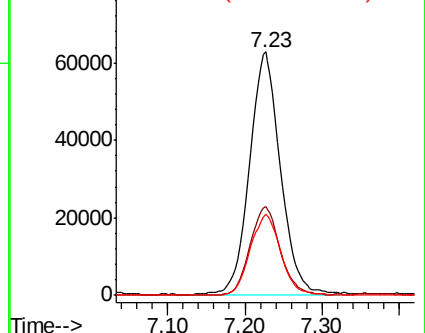
71 32.9 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 23.113 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054826.D

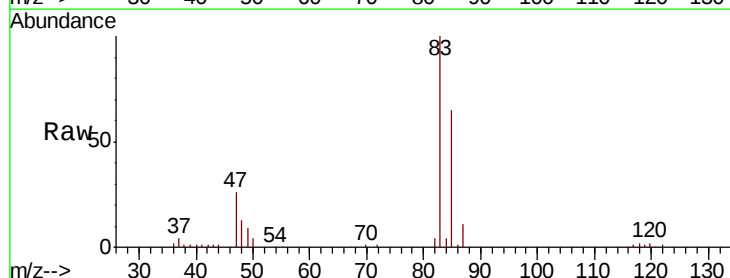
Acq: 31 Mar 2019 2:37

Tgt Ion: 83 Resp: 178637

Ion Ratio Lower Upper

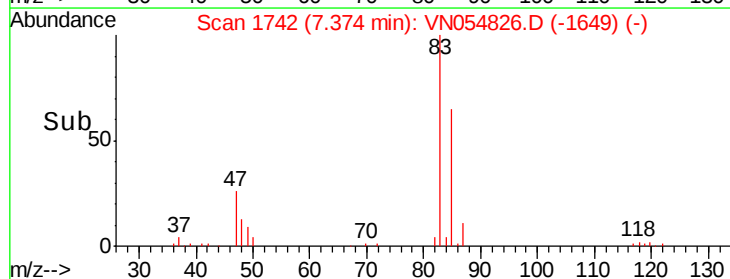
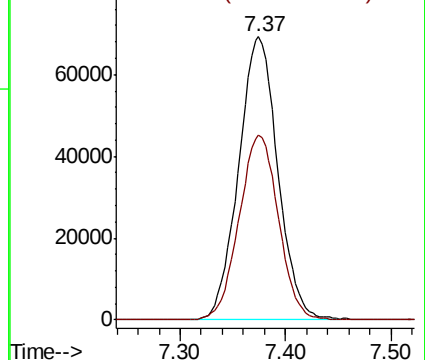
83 100

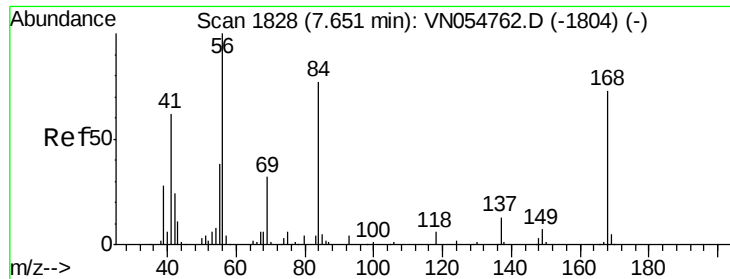
85 65.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

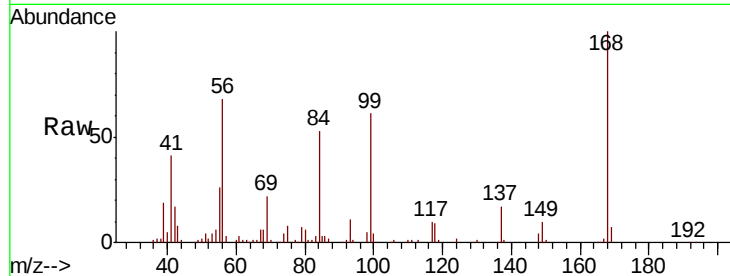




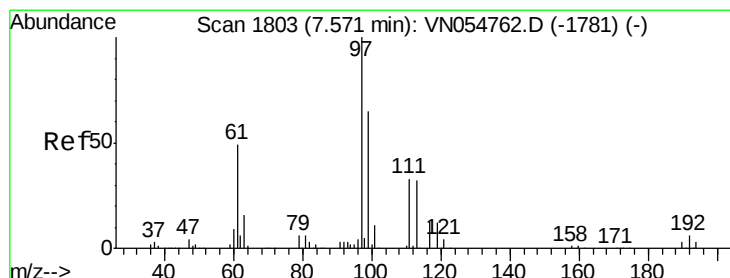
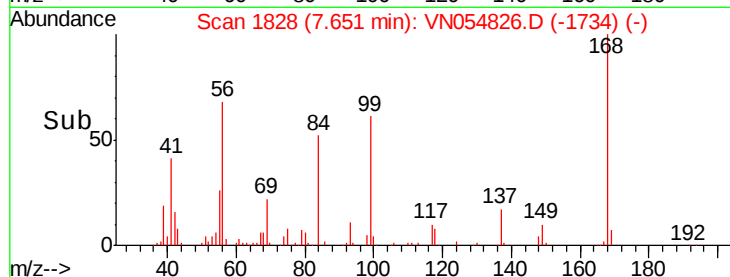
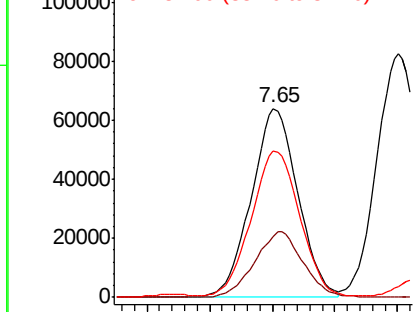
#31
Cyclohexane
Concen: 21.153 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion: 56 Resp: 165005
Ion Ratio Lower Upper
56 100
69 32.3 27.8 41.6
84 76.3 74.6 111.8

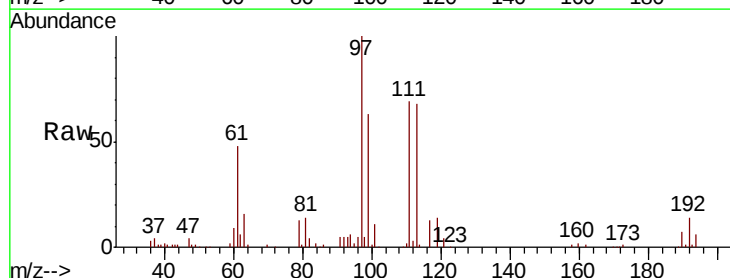


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

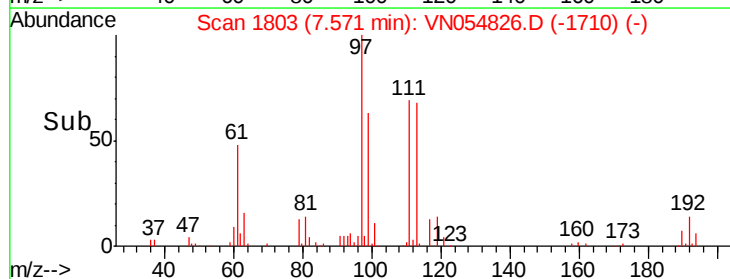
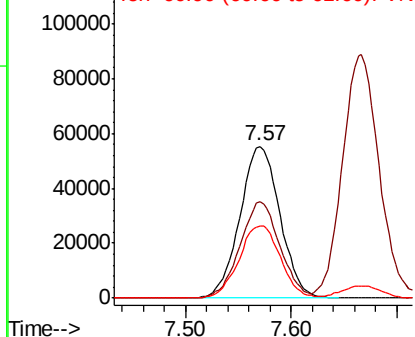


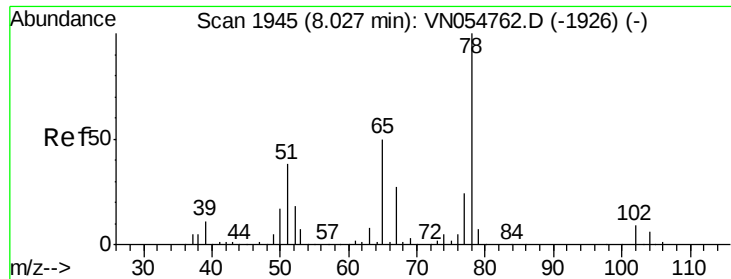
#32
1,1,1-Trichloroethane
Concen: 22.812 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 97 Resp: 146111
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 49.3 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 56.455 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampled :

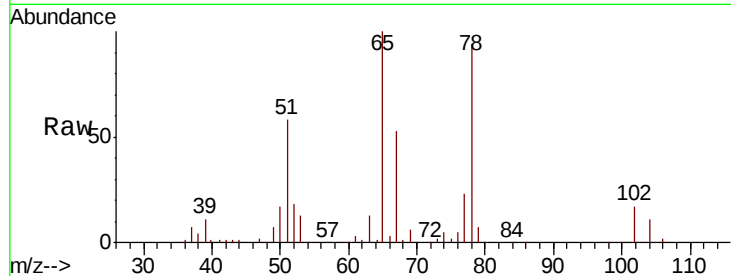
VN0330WBS02

Tot Ion: 65 Resp: 301962

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054826.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054826.D (-1926) (-)

8.03

150000

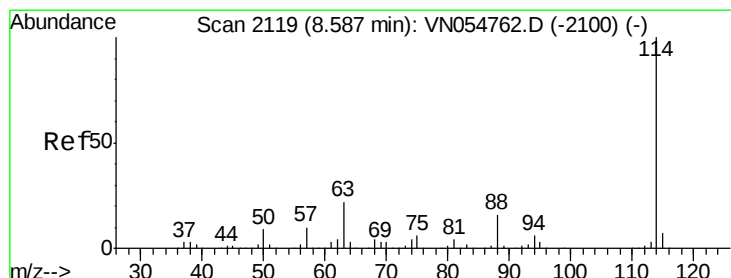
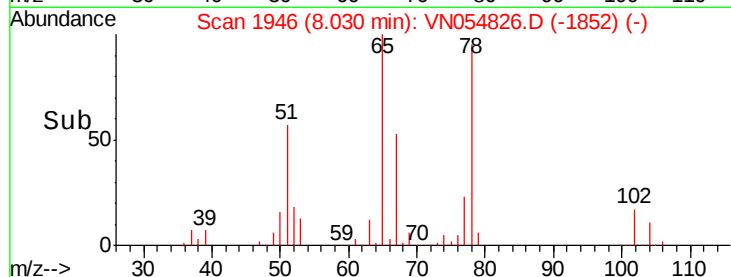
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

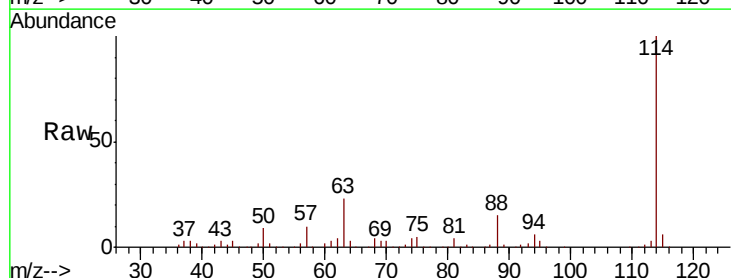
Tgt Ion: 114 Resp: 694541

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054826.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN054826.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN054826.D (-2100) (-)

8.59

400000

300000

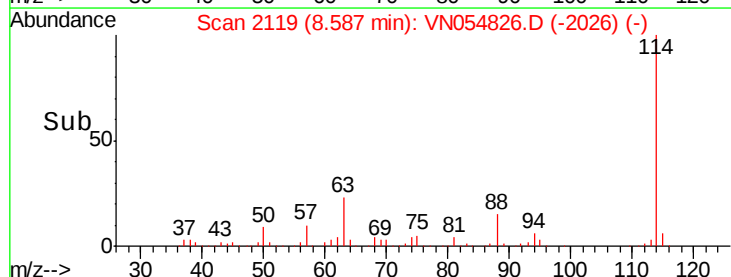
200000

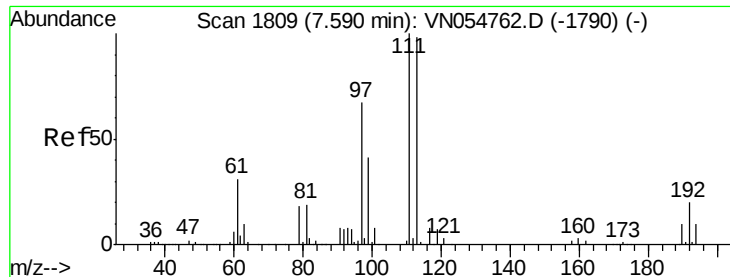
100000

0

8.50 8.60 8.70 8.80

Time-->

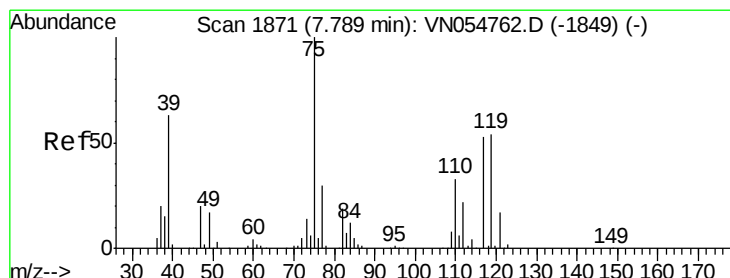
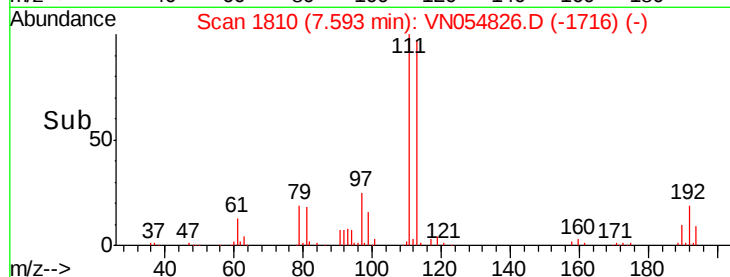
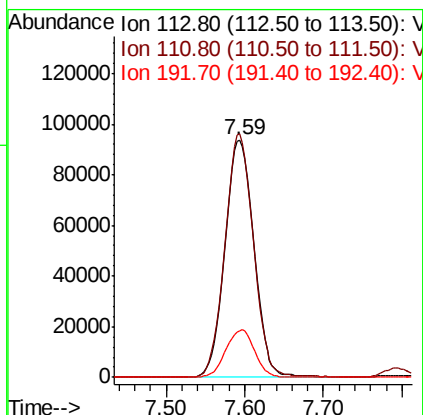
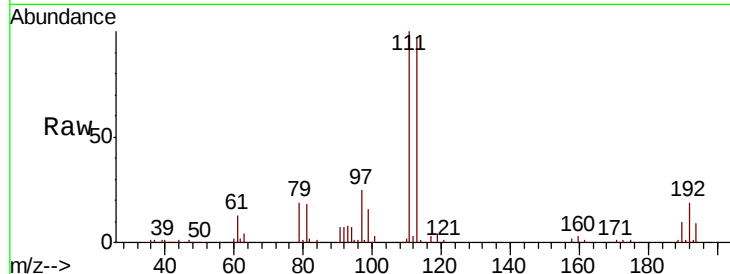




#35
 Dibromofluoromethane
 Concen: 51.514 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

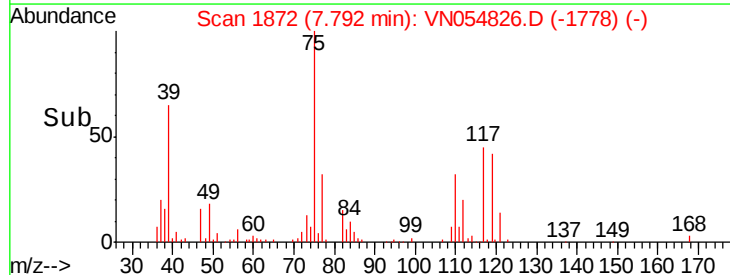
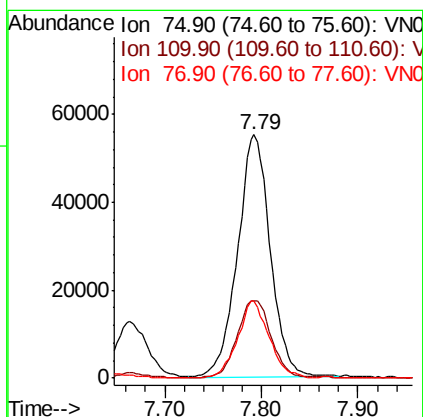
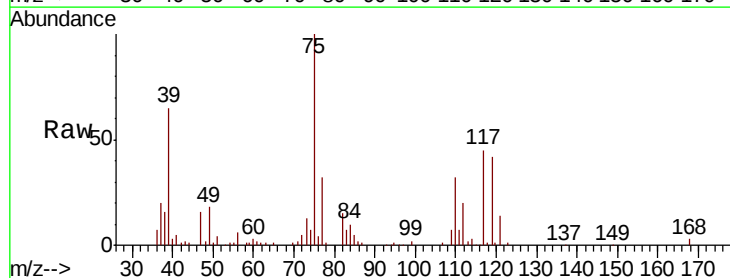
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

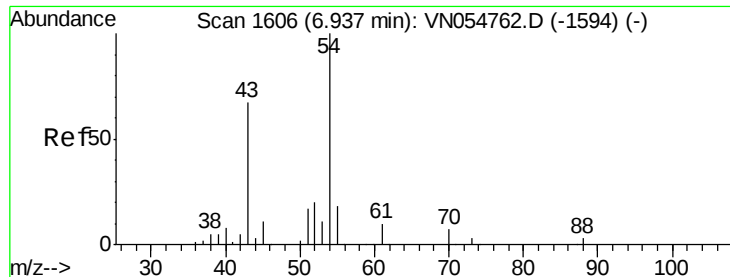
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	19.8	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.008 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	19.1	57.5
77	30.7	25.0	37.4

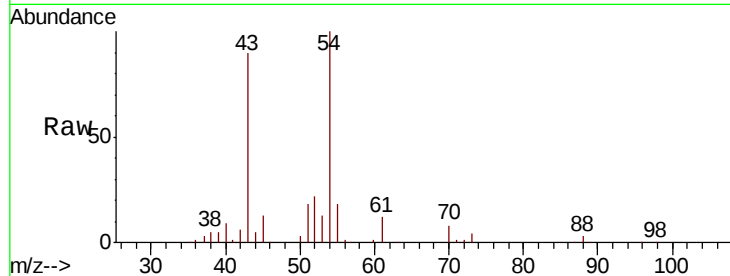




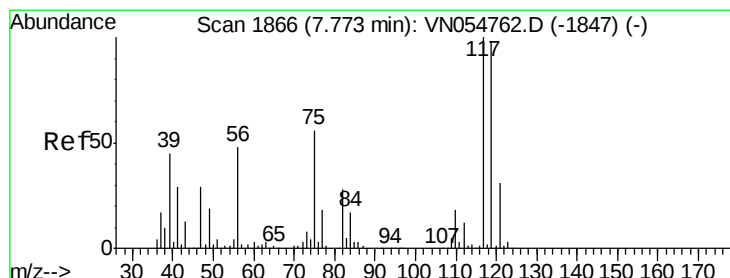
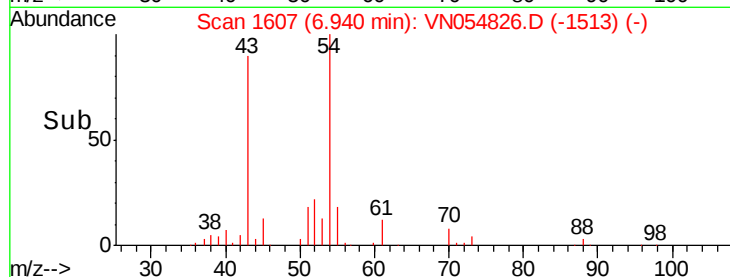
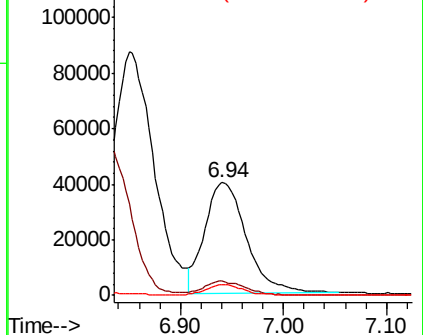
#37
Ethyl Acetate
Concen: 23.494 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion: 43 Resp: 111502
Ion Ratio Lower Upper
43 100
61 12.0 11.8 17.6
70 9.0 8.4 12.6

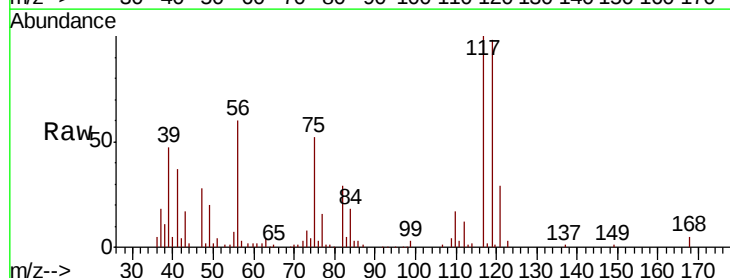


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

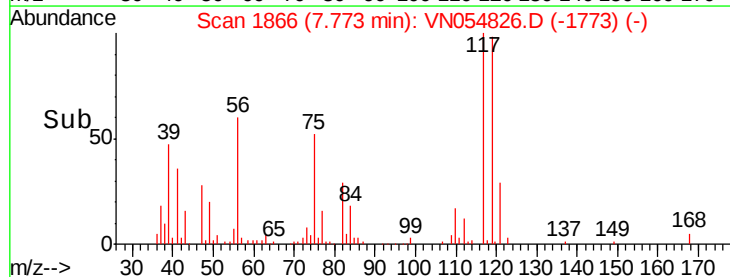
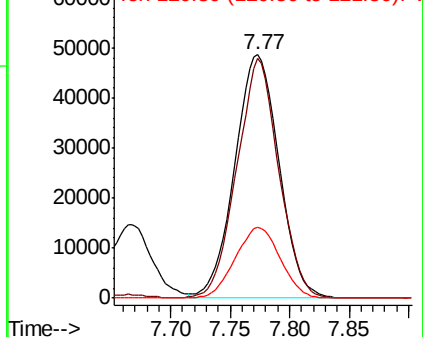


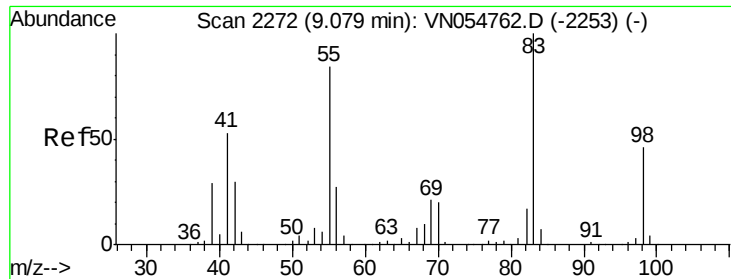
#38
Carbon Tetrachloride
Concen: 19.913 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 117 Resp: 125169
Ion Ratio Lower Upper
117 100
119 98.4 76.3 114.5
121 29.3 24.6 36.8



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

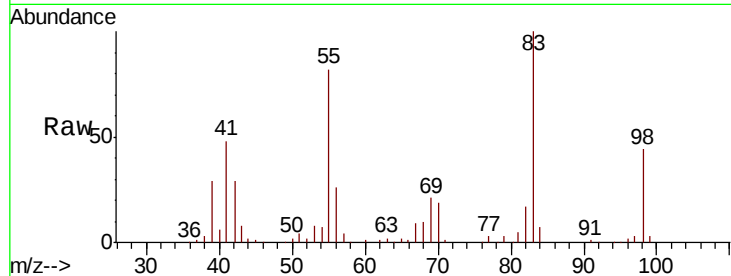




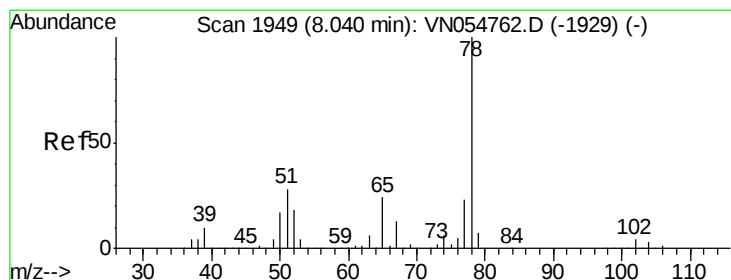
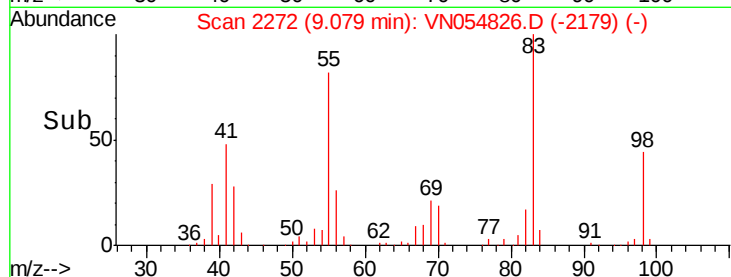
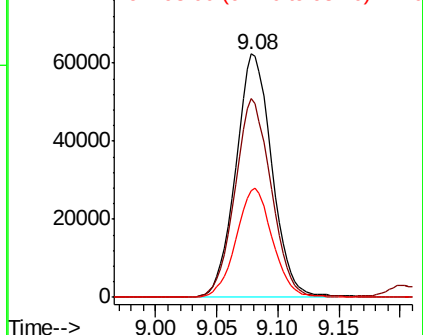
#39
Methvlcvclohexane
Concen: 17.967 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion: 83 Resp: 127832
Ion Ratio Lower Upper
83 100
55 81.8 56.6 84.8
98 43.9 38.4 57.6

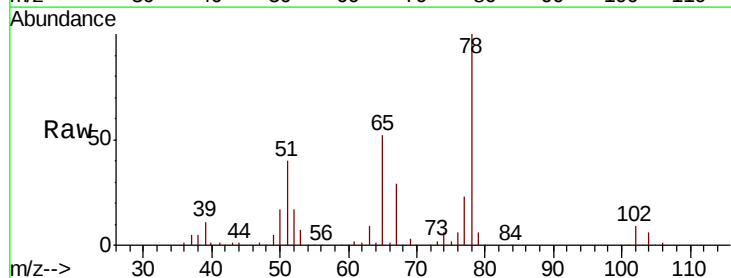


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

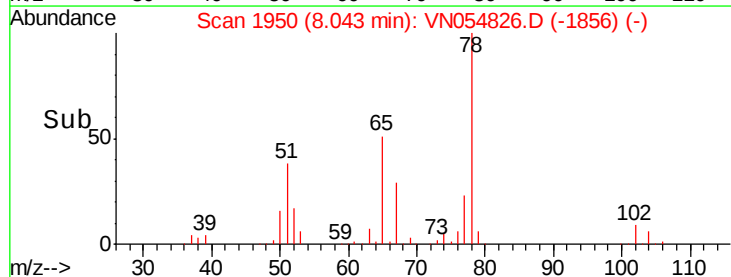
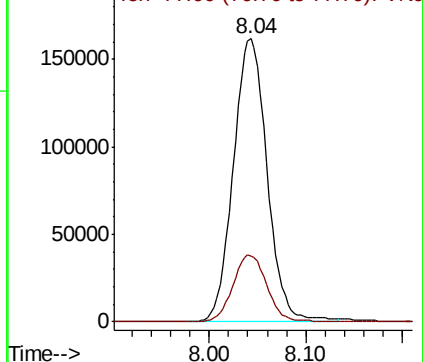


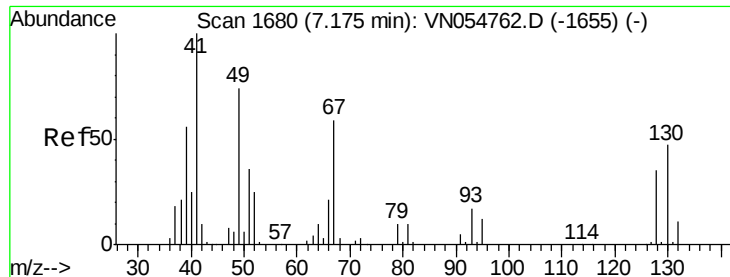
#40
Benzene
Concen: 21.216 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 78 Resp: 392880
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



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

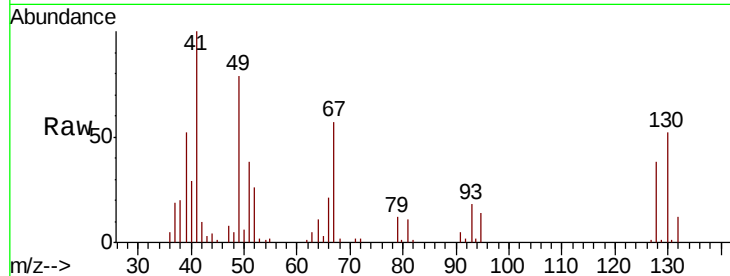




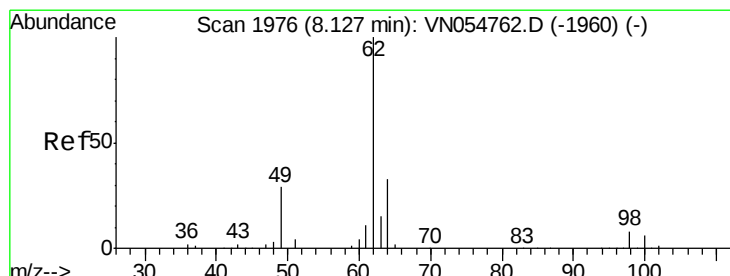
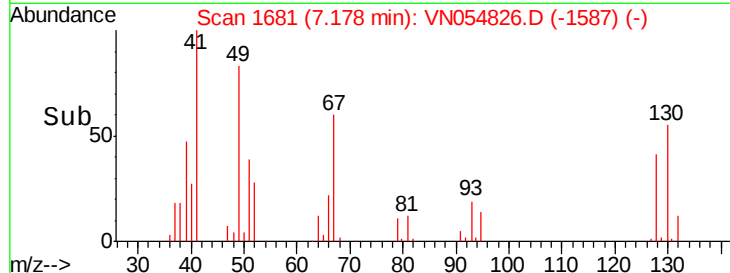
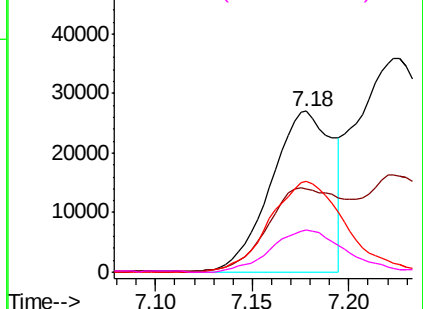
#41
Methacrylonitrile
Concen: 22.610 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :
VN0330WBS02

Tot Ion: 41 Resp: 60279
Ion Ratio Lower Upper
41 100
39 67.9 46.8 70.2
67 69.5 67.0 100.4
52 31.8 26.5 39.7

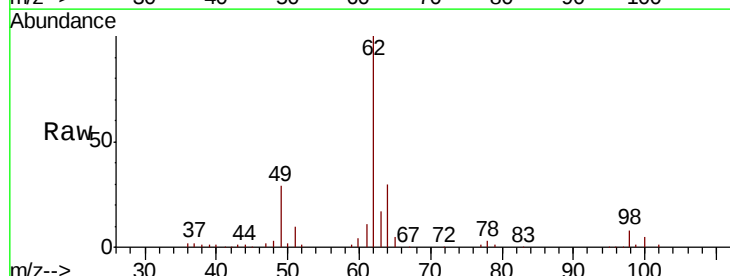


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

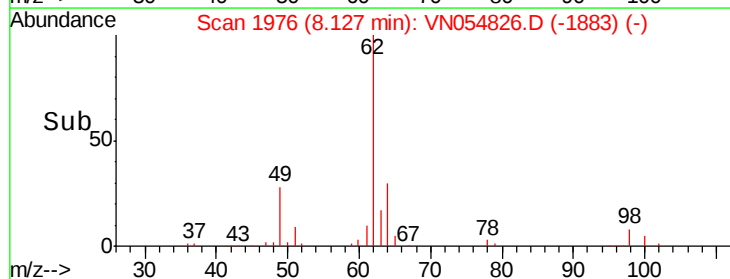
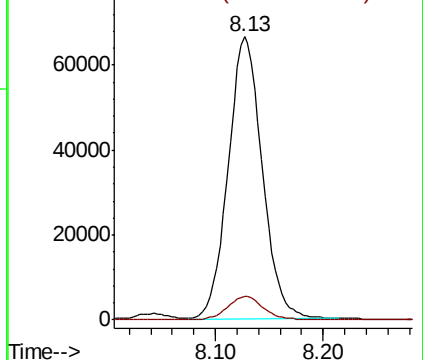


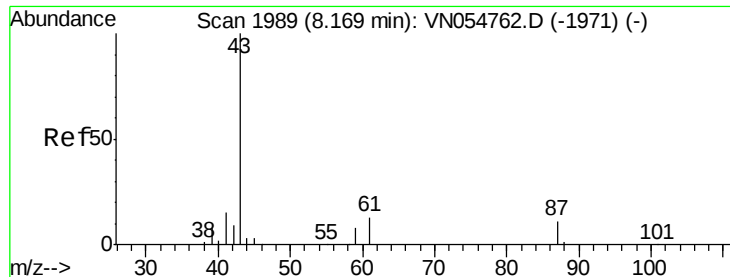
#42
1,2-Dichloroethane
Concen: 22.128 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 62 Resp: 146312
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 23.857 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

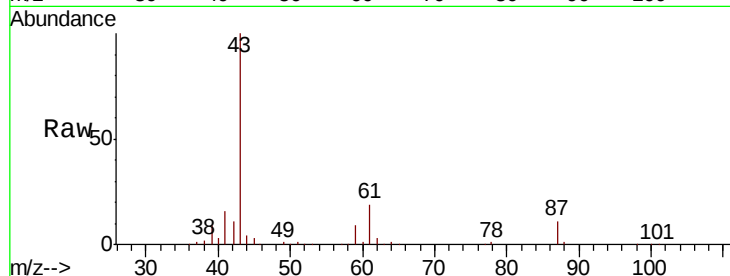
Tot Ion: 43 Resp: 183972

Ion Ratio Lower Upper

43 100

61 18.6 15.8 23.8

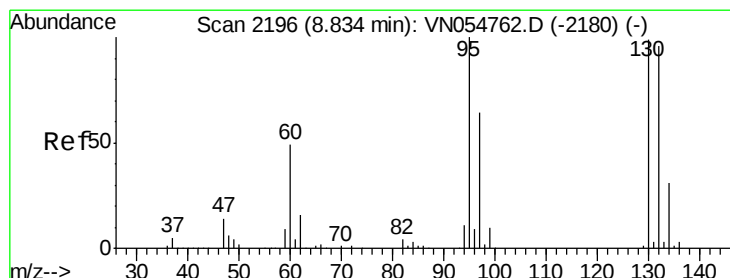
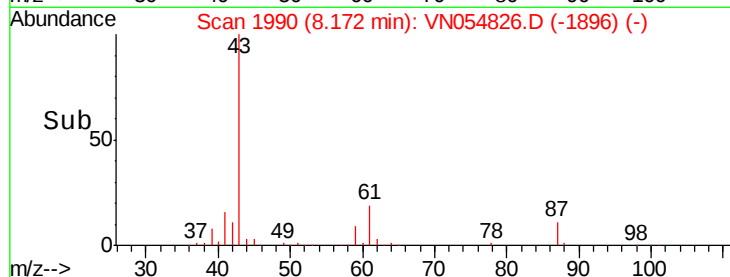
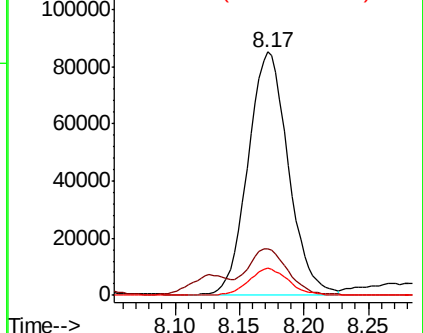
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.952 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054826.D

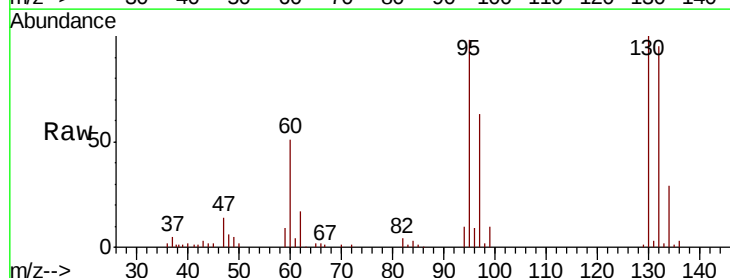
Acq: 31 Mar 2019 2:37

Tgt Ion:130 Resp: 100719

Ion Ratio Lower Upper

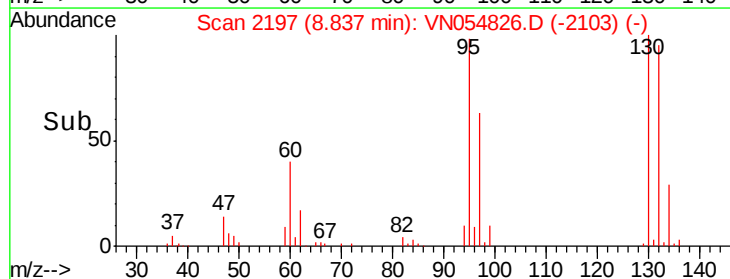
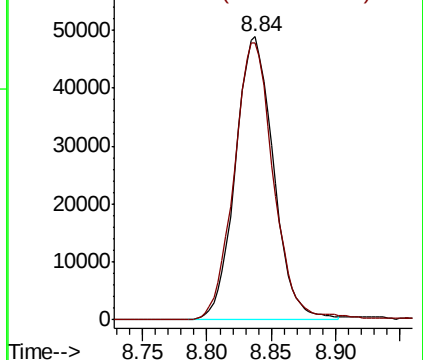
130 100

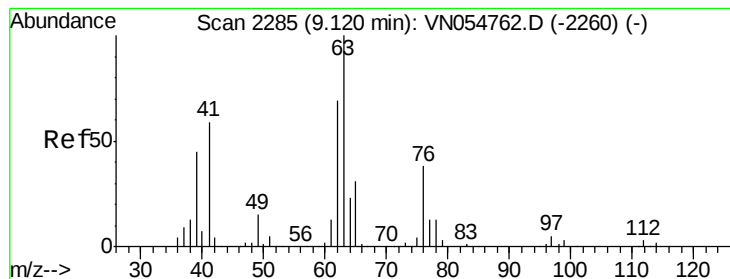
95 97.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.839 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

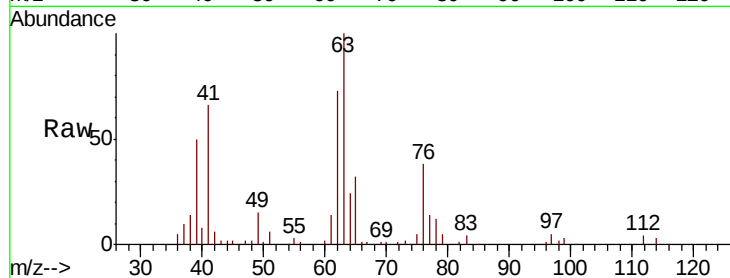
VN0330WBS02

Tot Ion: 63 Resp: 110036

Ion Ratio Lower Upper

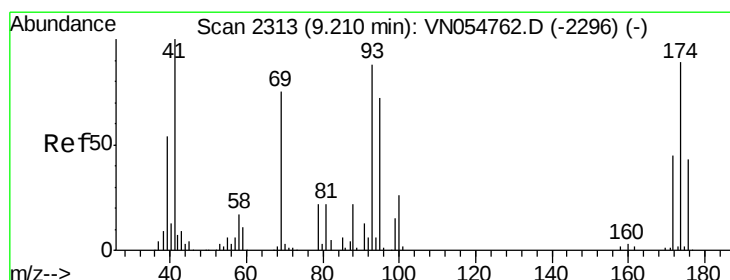
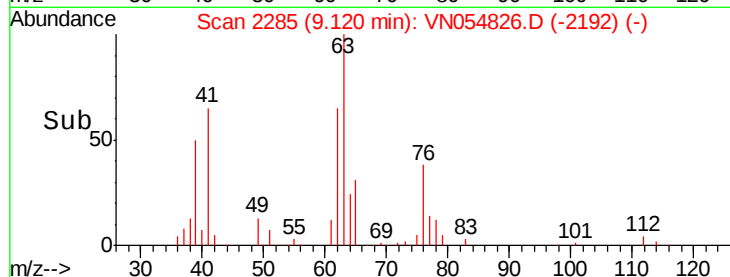
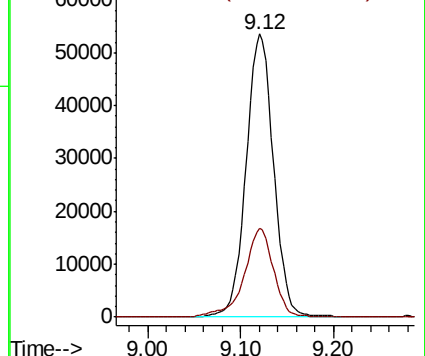
63 100

65 31.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.624 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

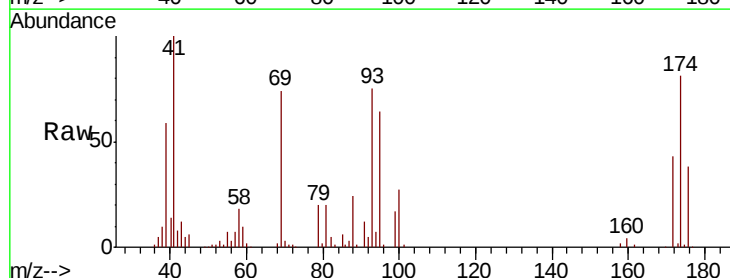
Tgt Ion: 93 Resp: 64232

Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

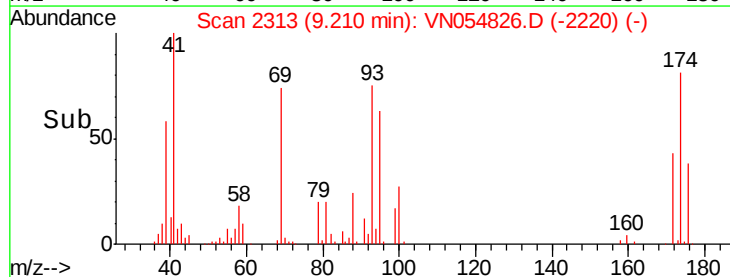
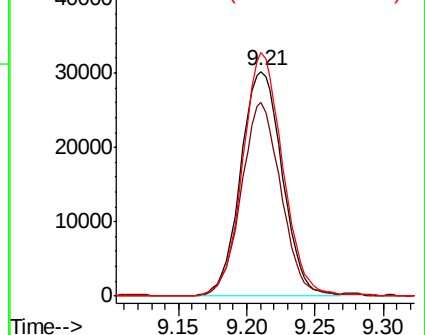
174 103.9 98.5 147.7

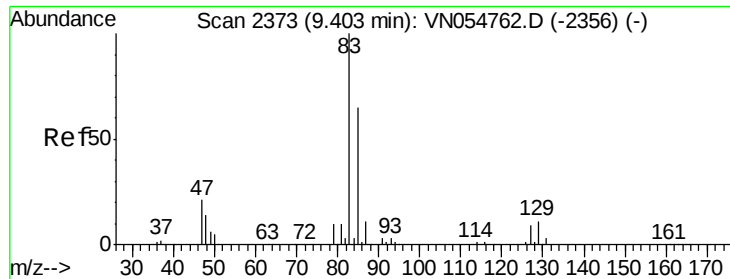


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.921 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

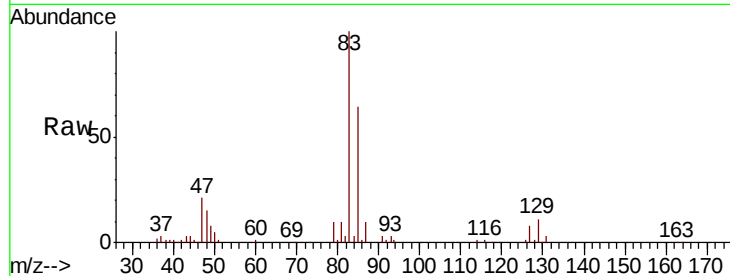
Tot Ion: 83 Resp: 135327

Ion Ratio Lower Upper

83 100

85 63.6 52.8 79.2

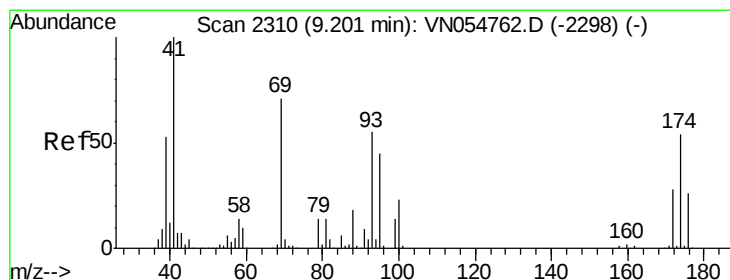
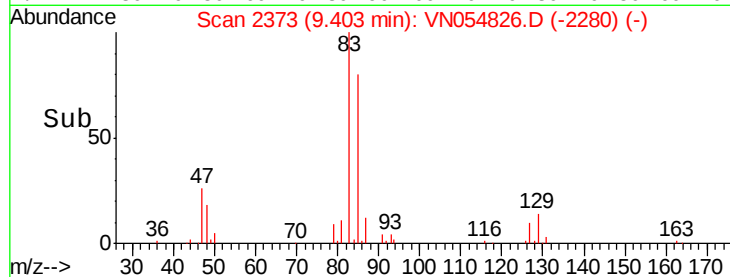
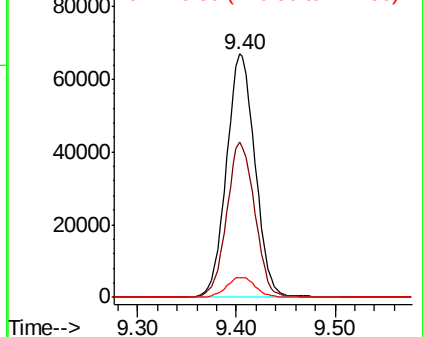
127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.768 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

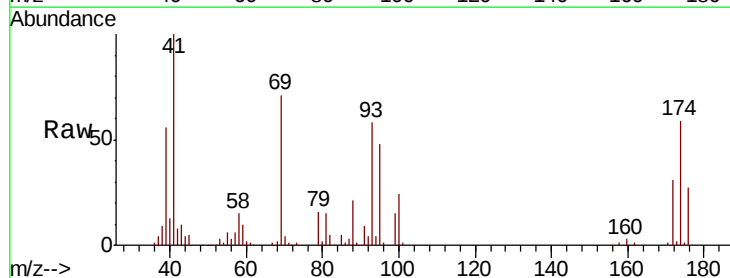
Tgt Ion: 41 Resp: 90996

Ion Ratio Lower Upper

41 100

69 74.4 72.6 108.8

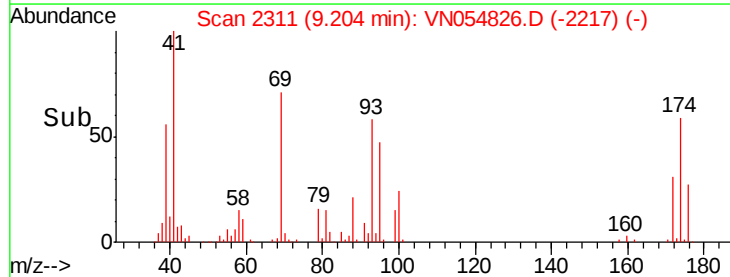
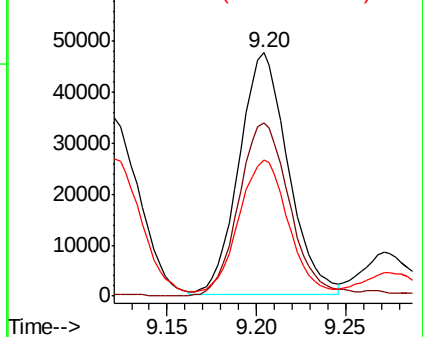
39 56.7 47.5 71.3

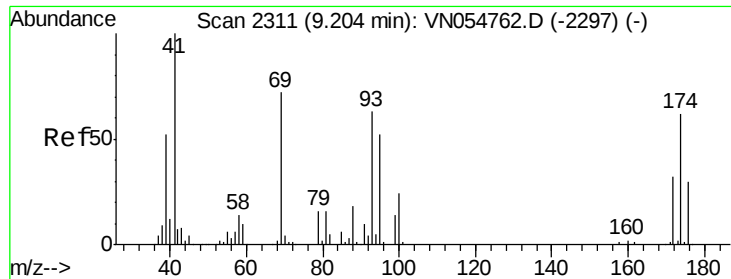


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 505.223 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

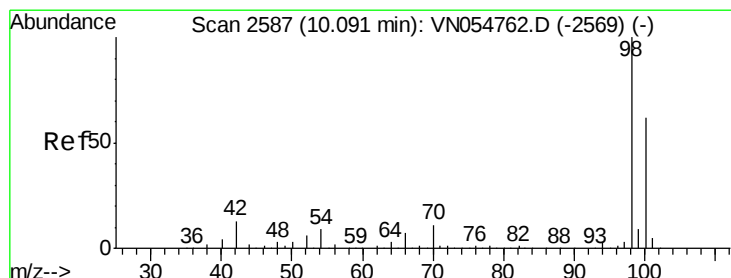
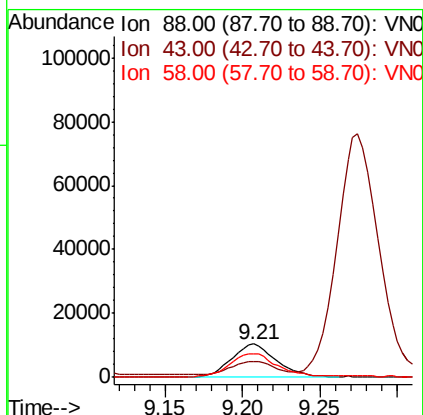
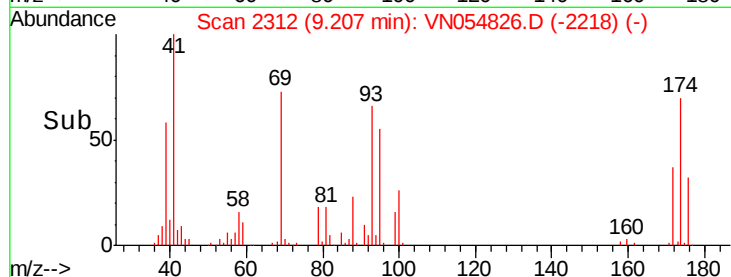
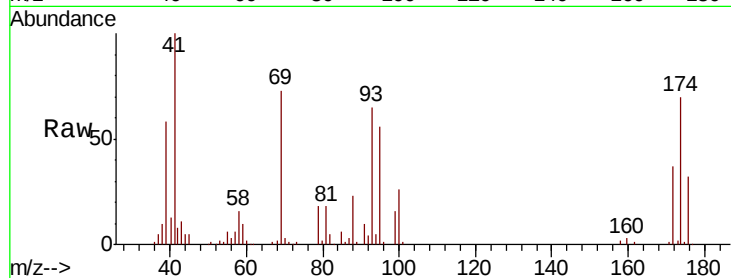
Tot Ion: 88 Resp: 20955

Ion Ratio Lower Upper

88 100

43 38.0 24.1 36.1#

58 76.6 50.8 76.2#



#50

Toluene-d8

Concen: 49.426 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054826.D

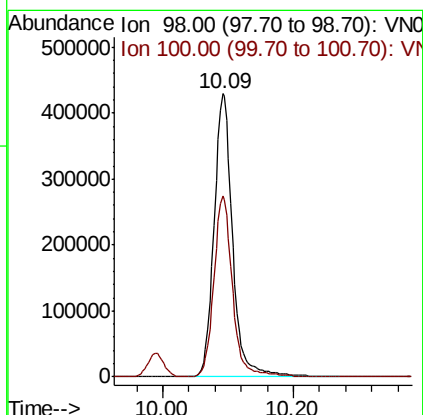
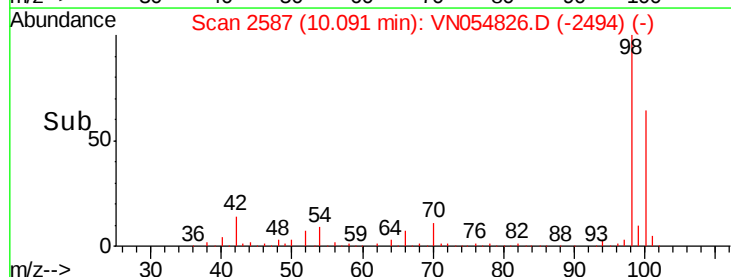
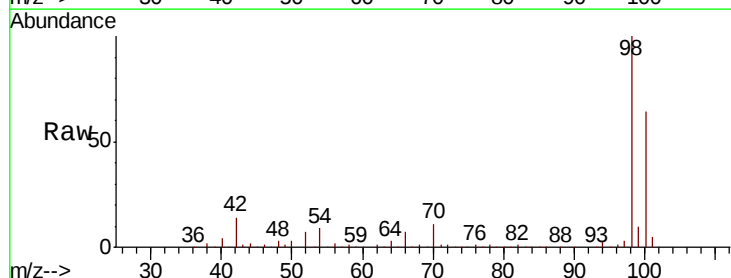
Acq: 31 Mar 2019 2:37

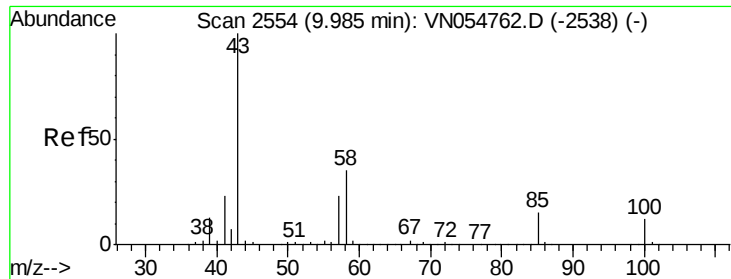
Tgt Ion: 98 Resp: 850869

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 123.297 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

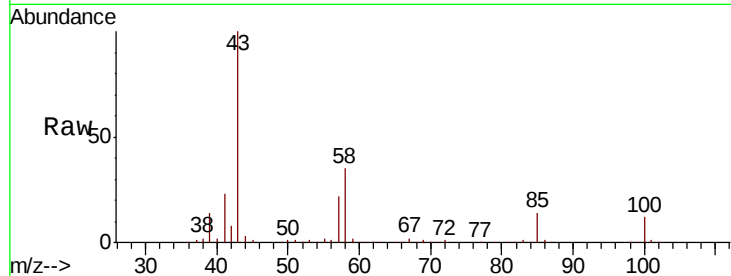
VN0330WBS02

Tot Ion: 43 Resp: 534563

Ion Ratio Lower Upper

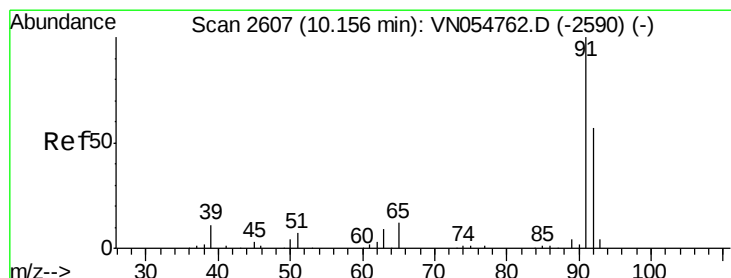
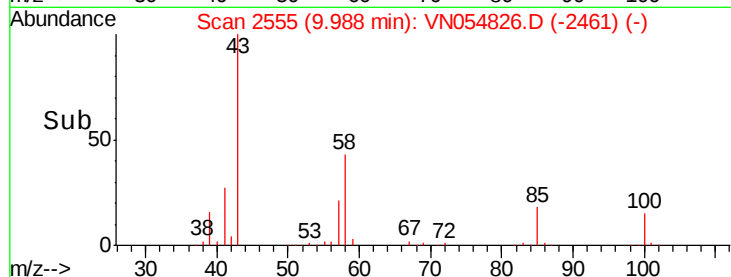
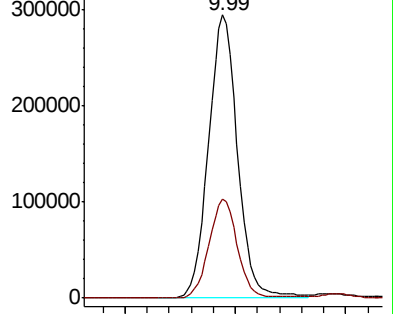
43 100

58 34.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.926 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054826.D

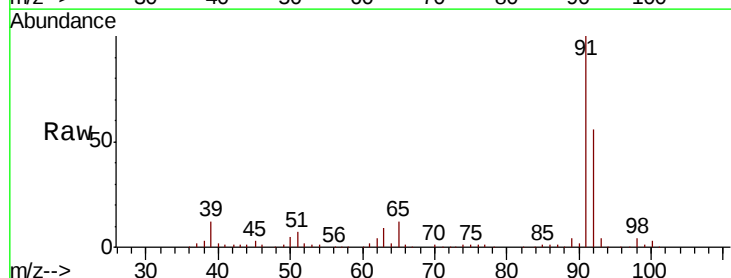
Acq: 31 Mar 2019 2:37

Tgt Ion: 92 Resp: 230583

Ion Ratio Lower Upper

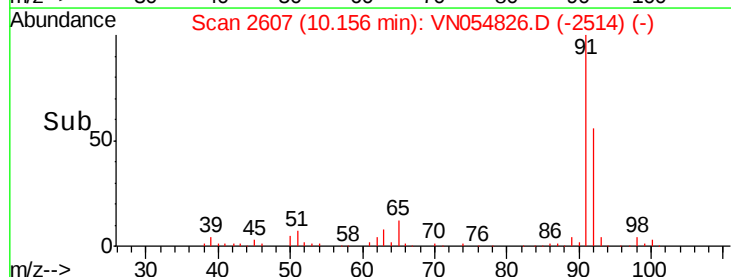
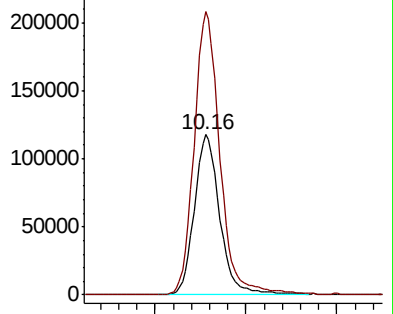
92 100

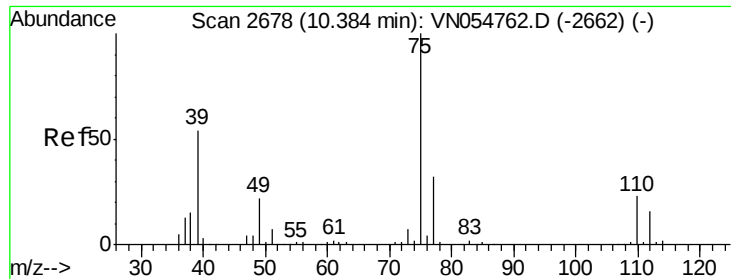
91 177.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.473 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

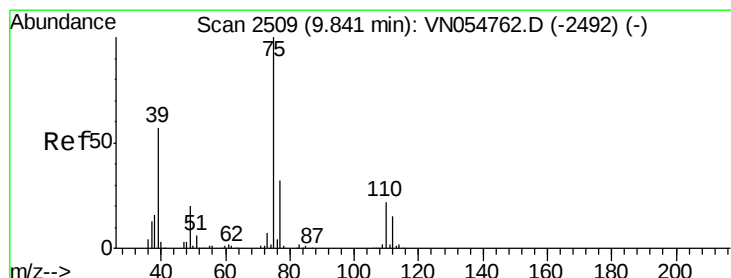
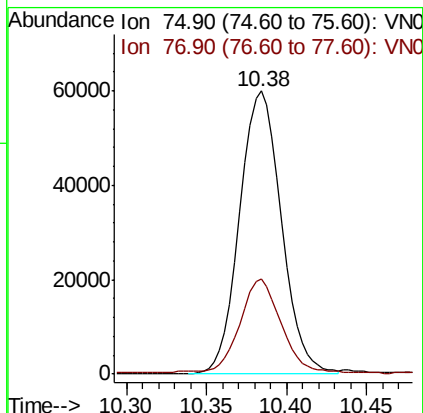
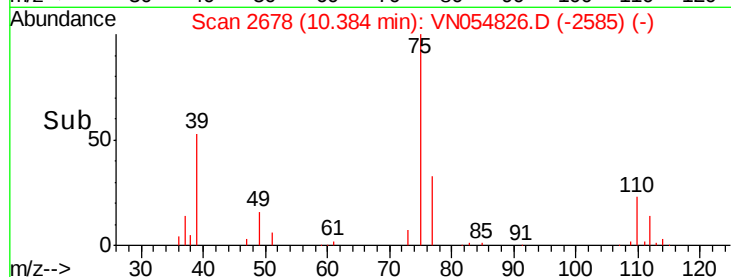
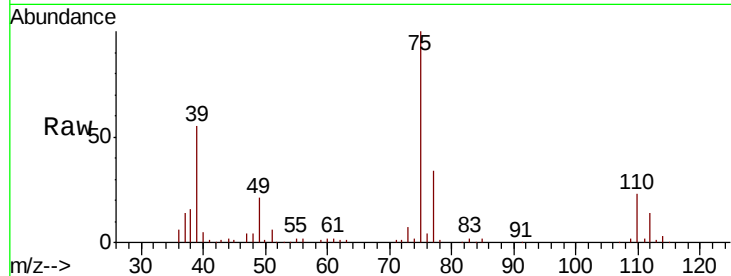
VN0330WBS02

Tot Ion: 75 Resp: 107276

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 19.142 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

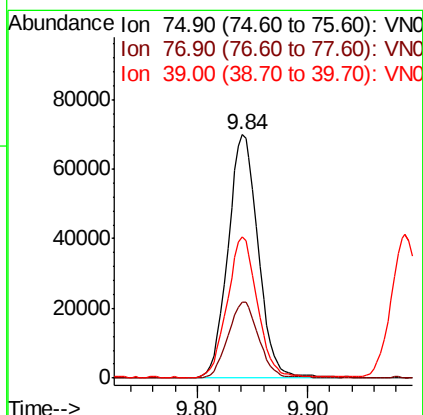
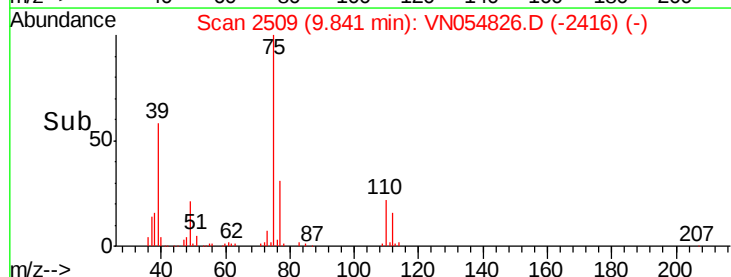
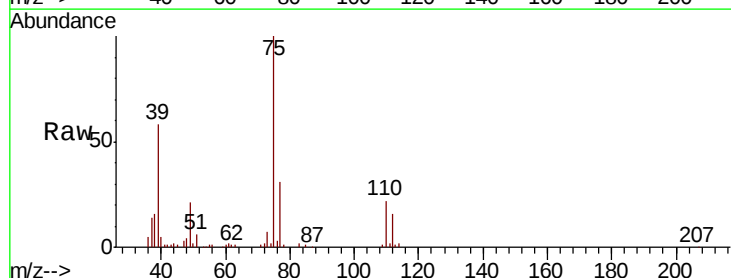
Tgt Ion: 75 Resp: 132782

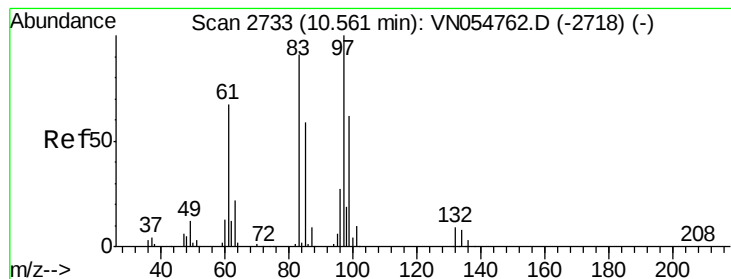
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 57.9 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.915 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

Tot Ion: 97 Resp: 89794

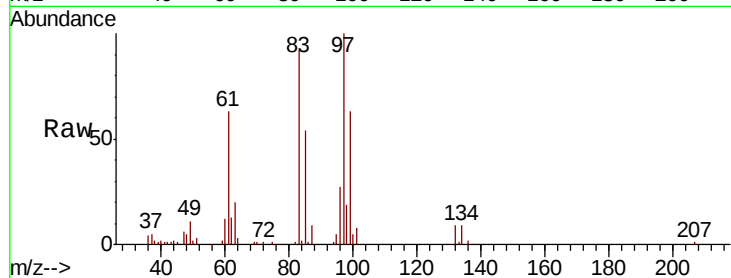
Ion	Ratio	Lower	Upper
97	100		
83	91.9	66.6	100.0
85	54.1	44.4	66.6
99	62.5	50.8	76.2

97 100

83 91.9 66.6 100.0

85 54.1 44.4 66.6

99 62.5 50.8 76.2



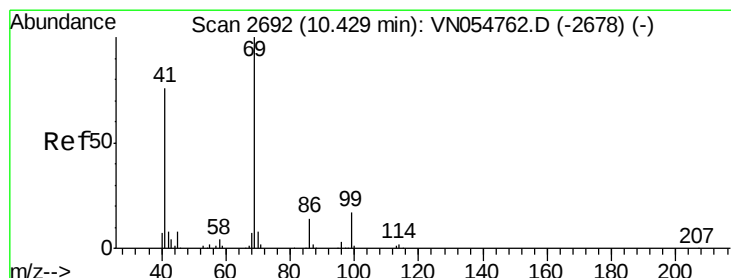
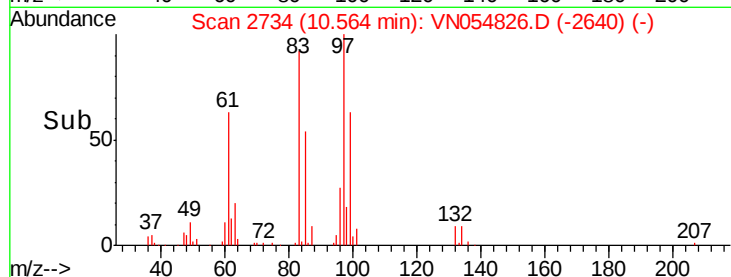
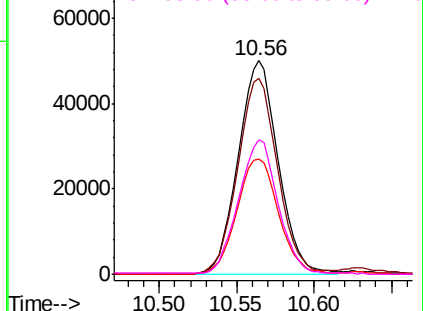
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 22.346 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

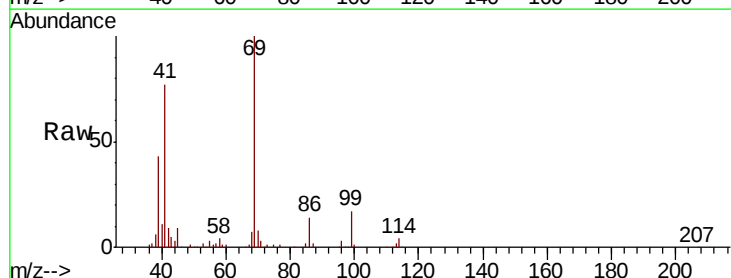
Tgt Ion: 69 Resp: 120105

Ion	Ratio	Lower	Upper
69	100		
41	74.3	49.4	74.2#
39	42.3	28.3	42.5

69 100

41 74.3 49.4 74.2#

39 42.3 28.3 42.5

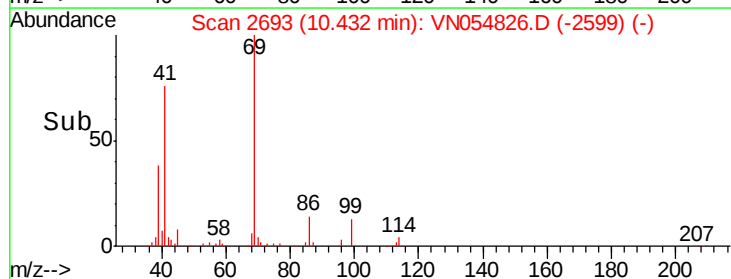
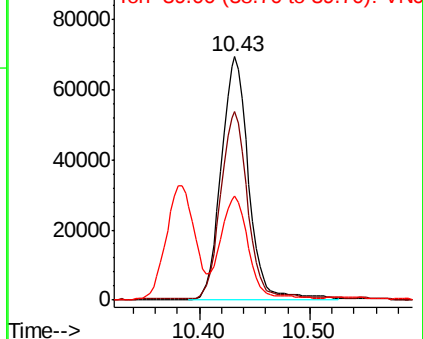


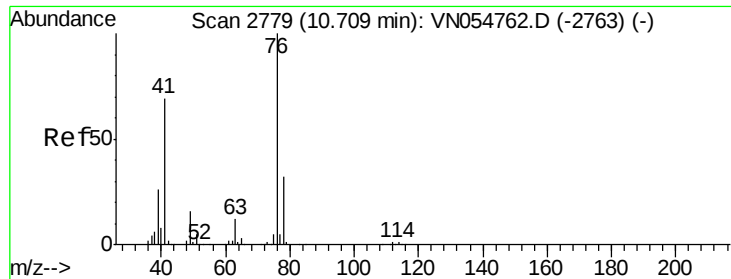
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 22.127 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

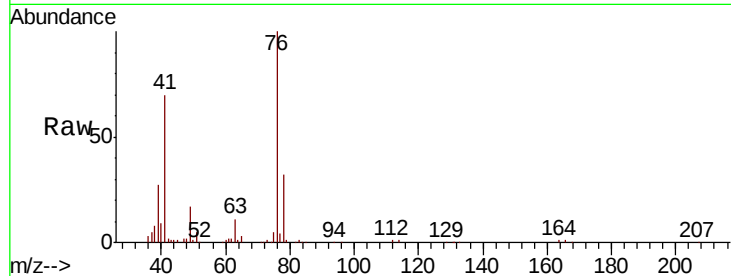
VN0330WBS02

Tot Ion: 76 Resp: 155867

Ion Ratio Lower Upper

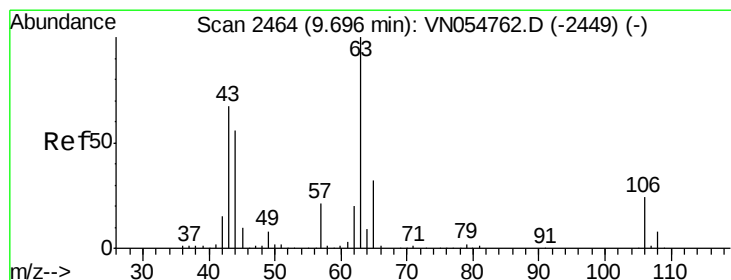
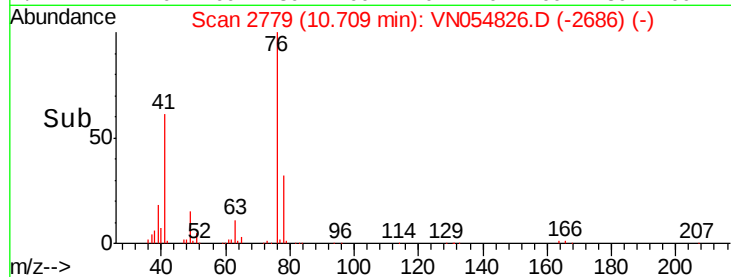
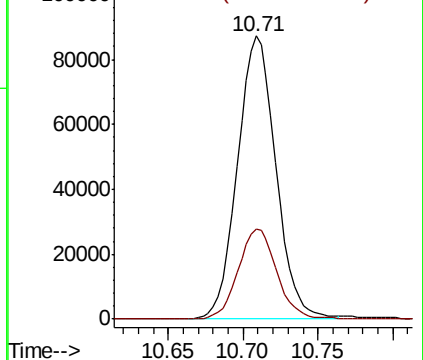
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.340 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054826.D

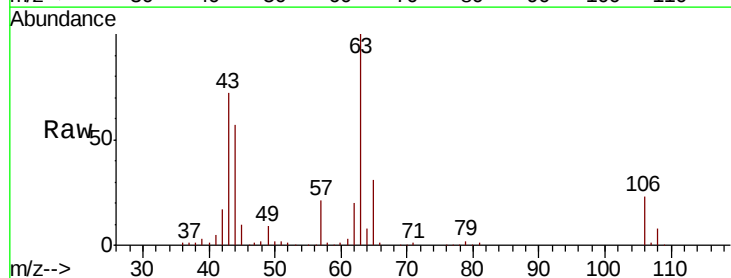
Acq: 31 Mar 2019 2:37

Tgt Ion: 63 Resp: 224586

Ion Ratio Lower Upper

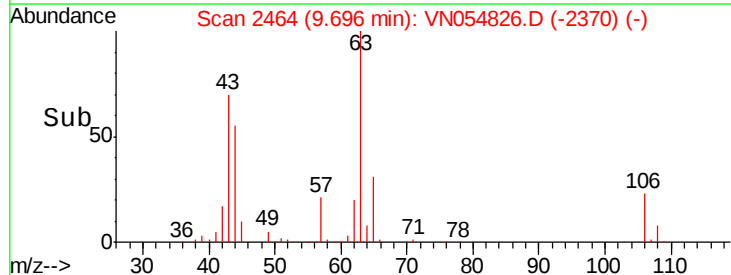
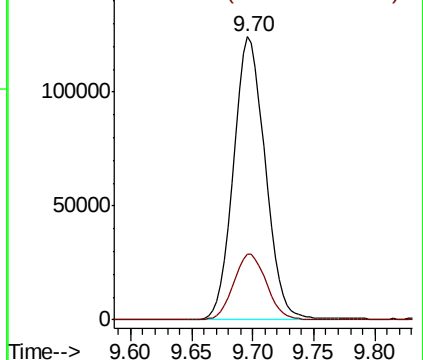
63 100

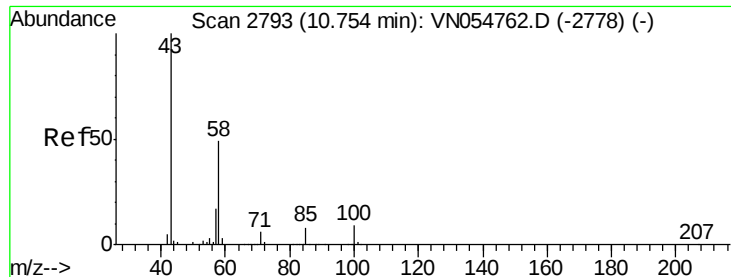
106 24.2 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

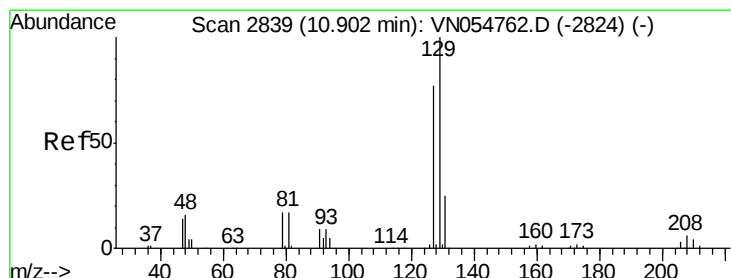
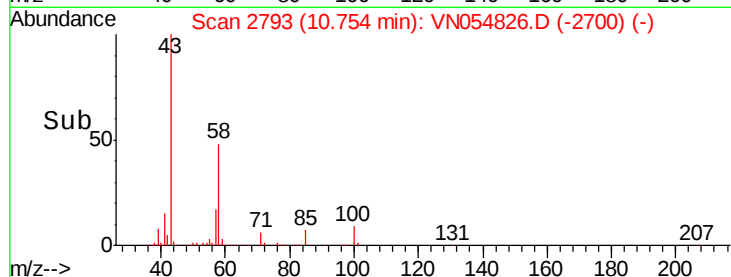
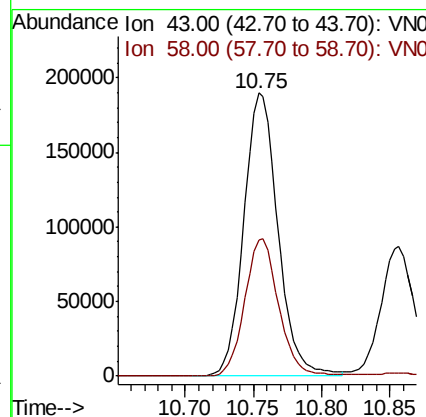
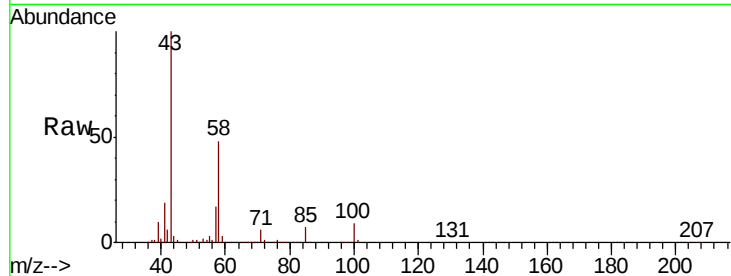




#59
2-Hexanone
Concen: 117.909 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

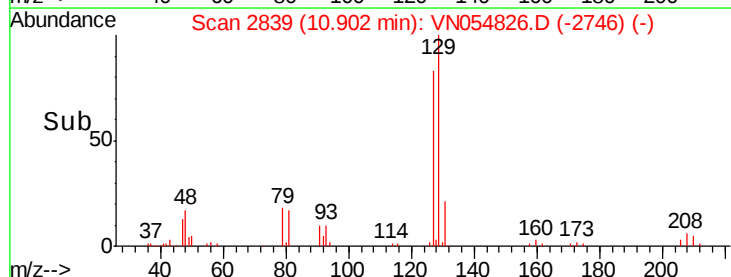
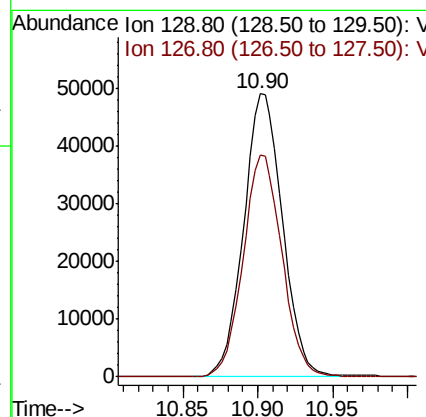
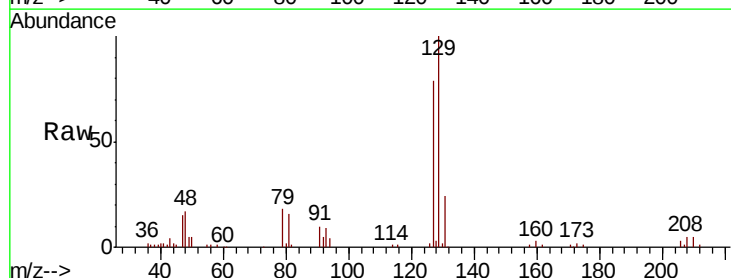
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

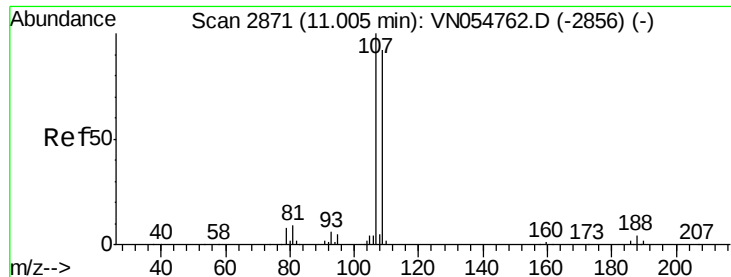
Tot Ion: 43 Resp: 327251
Ion Ratio Lower Upper
43 100
58 49.0 28.0 83.9



#60
Dibromochloromethane
Concen: 21.405 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 129 Resp: 88841
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.092 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampled :

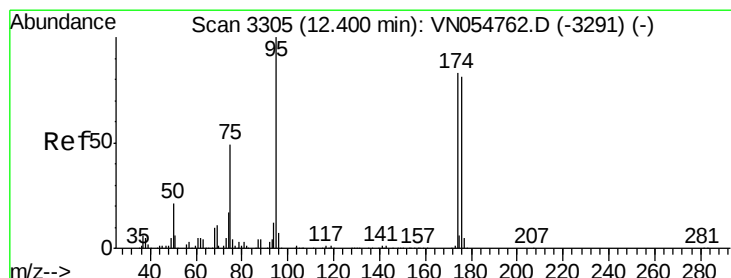
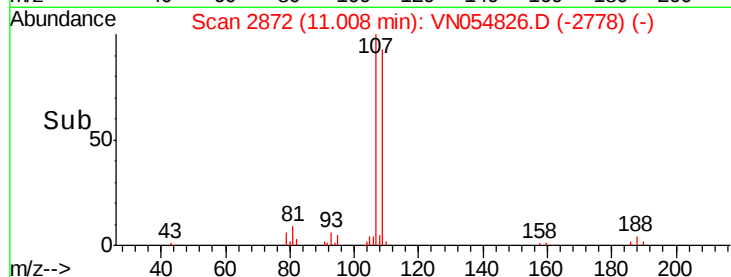
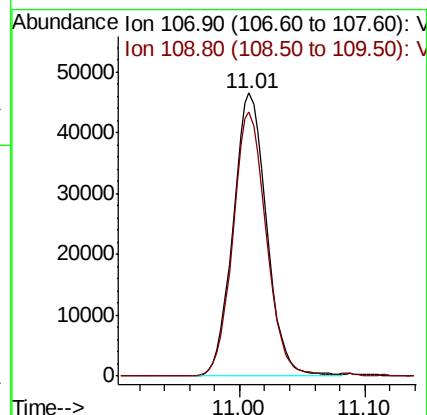
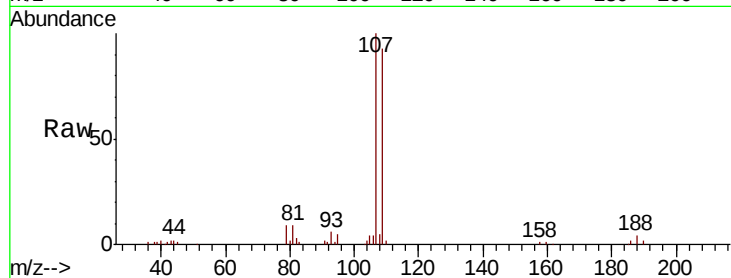
VN0330WBS02

Tot Ion:107 Resp: 86503

Ion Ratio Lower Upper

107 100

109 92.8 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 47.359 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

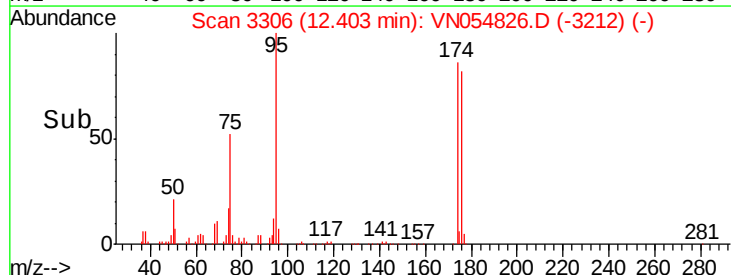
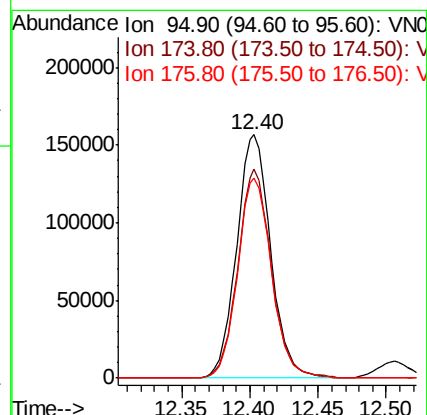
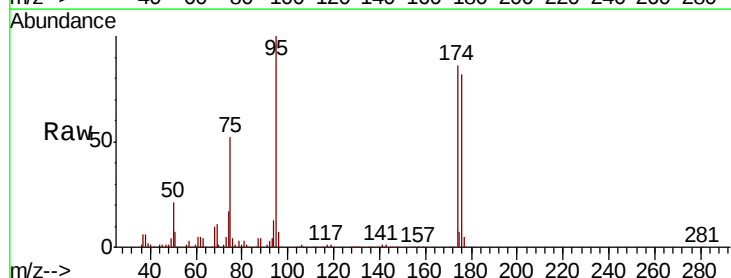
Tgt Ion: 95 Resp: 271145

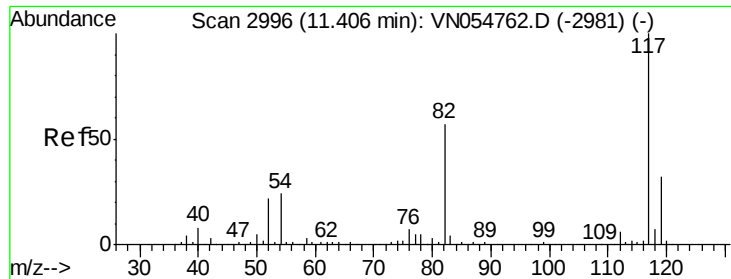
Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

176 82.0 0.0 187.4

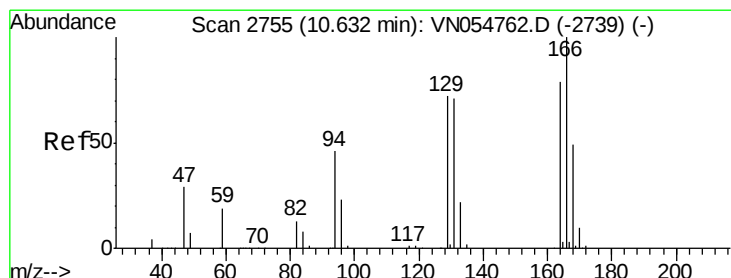
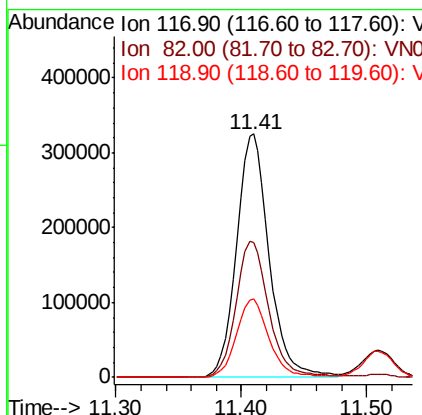
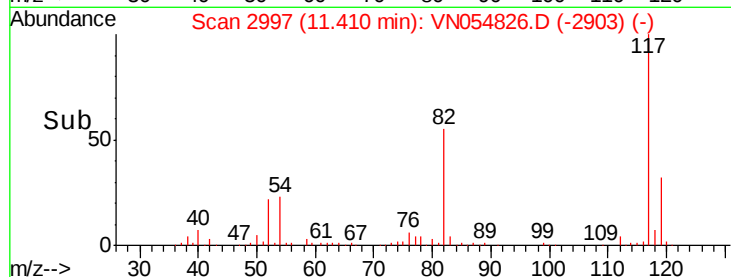
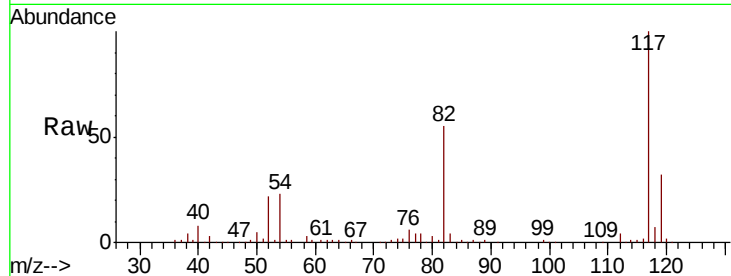




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

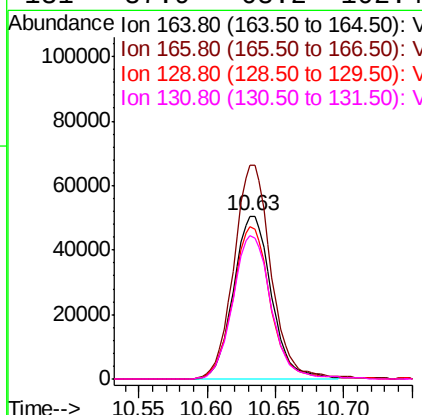
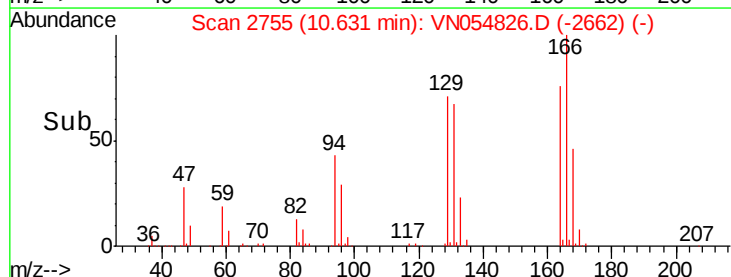
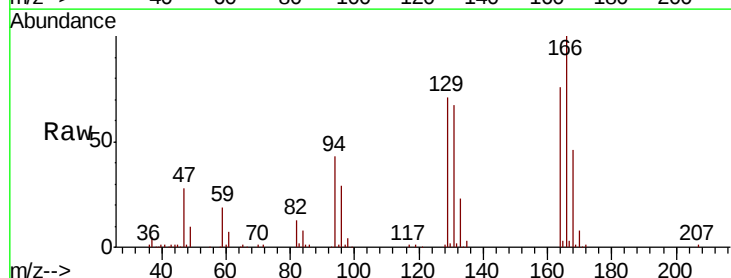
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion:117 Resp: 587218
Ion Ratio Lower Upper
117 100
82 55.5 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 21.723 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:164 Resp: 97888
Ion Ratio Lower Upper
164 100
166 130.9 103.9 155.9
129 93.3 71.1 106.7
131 87.9 68.2 102.4

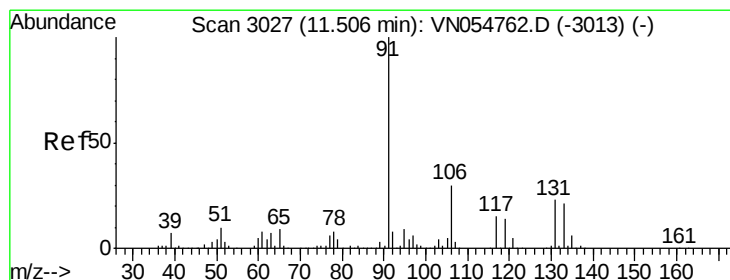
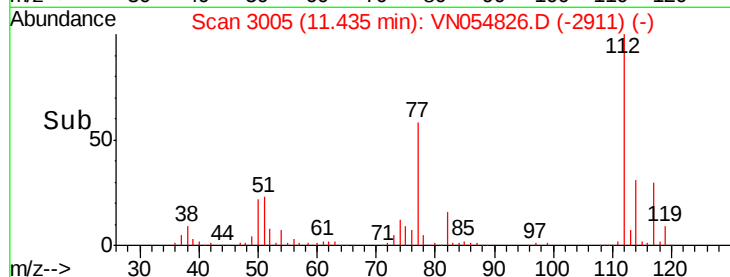
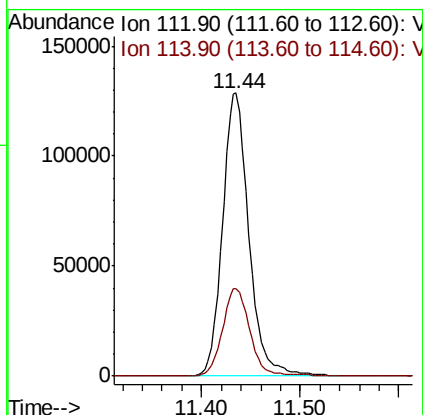
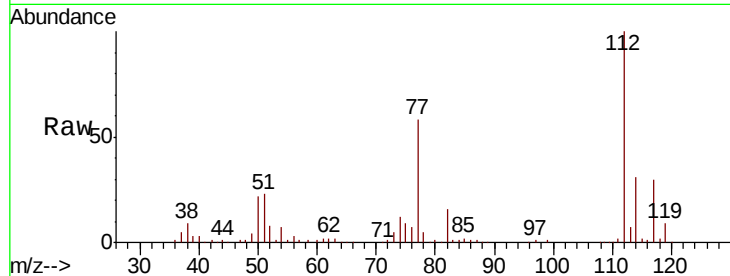




#65
Chlorobenzene
Concen: 20.997 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

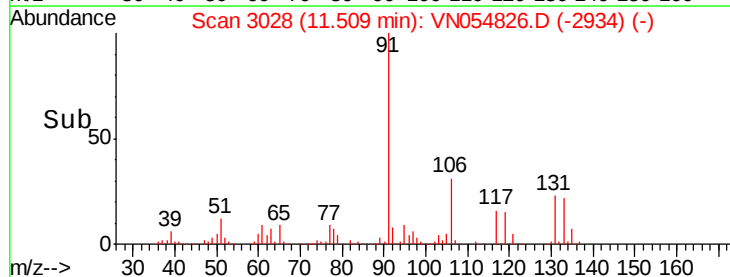
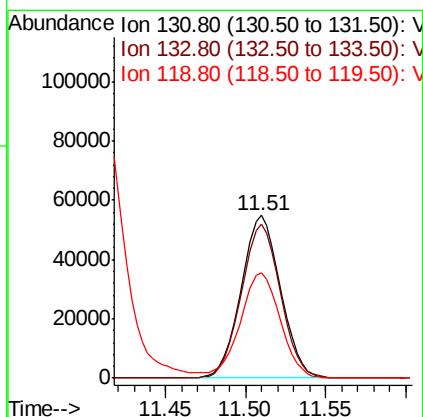
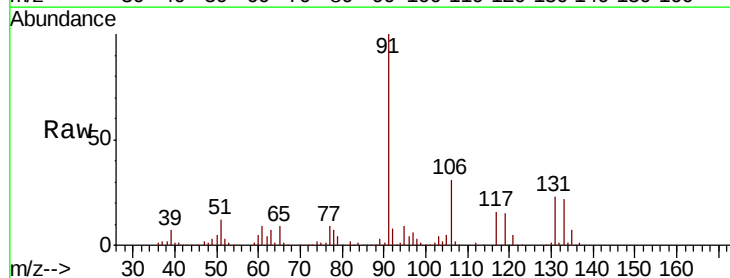
Instrument :
MSVOA_N
ClientSampled :
VN0330WBS02

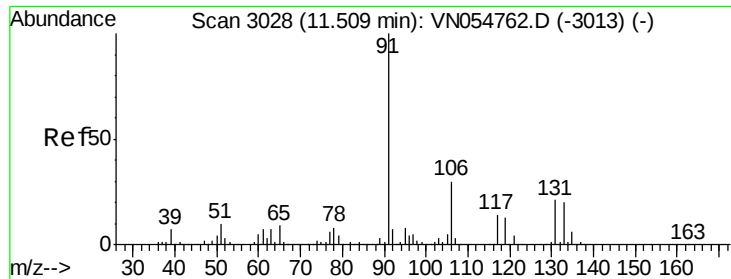
Tot Ion:112 Resp: 241405
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.374 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:131 Resp: 91979
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 66.0 32.4 97.0

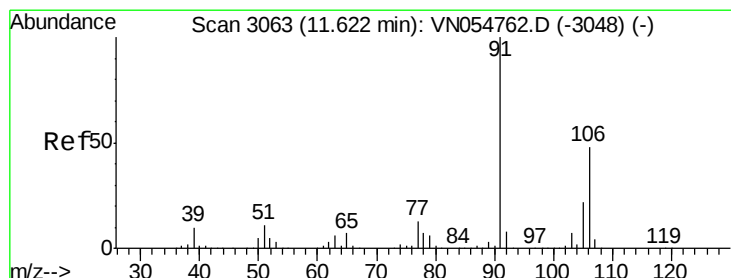
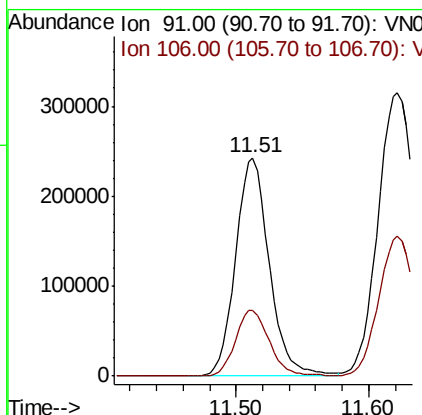
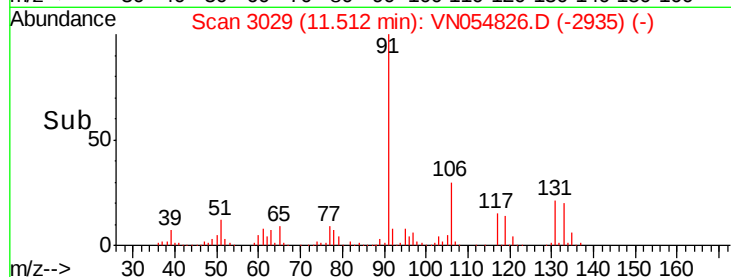
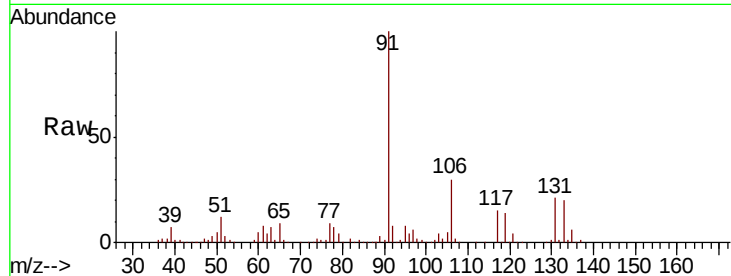




#67
Ethyl Benzene
Concen: 20.664 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

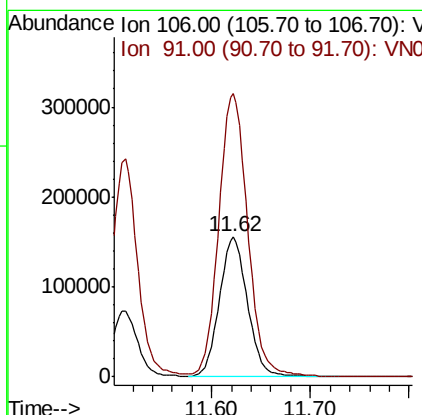
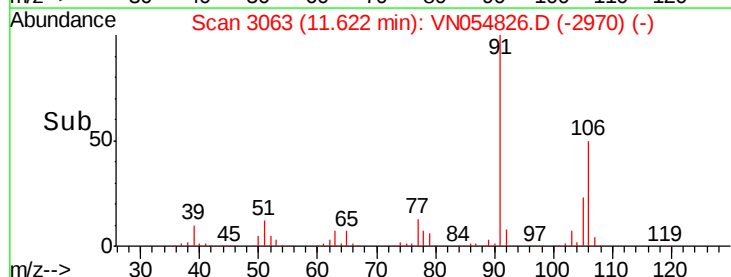
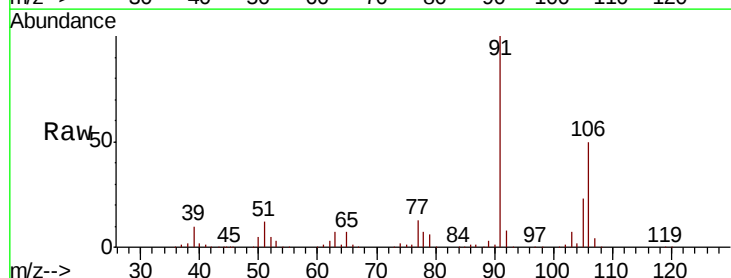
Instrument :
MSVOA_N
ClientSampled :
VN0330WBS02

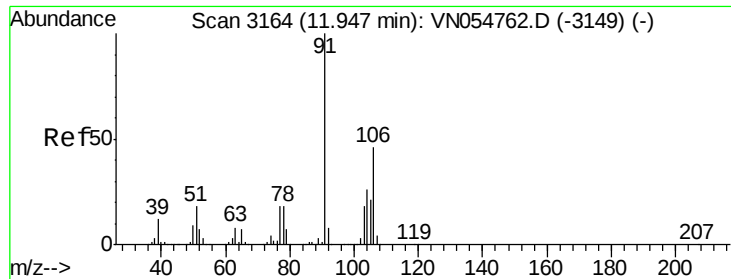
Tot Ion: 91 Resp: 428711
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 40.788 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 106 Resp: 313159
Ion Ratio Lower Upper
106 100
91 207.1 159.4 239.2

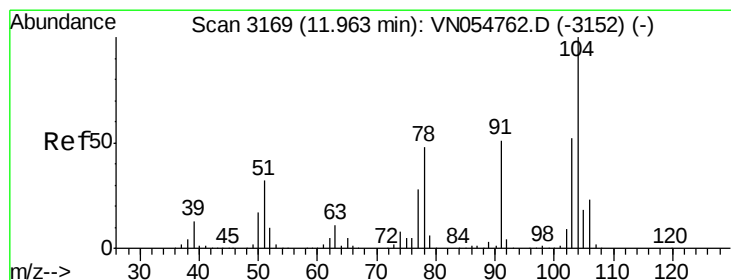
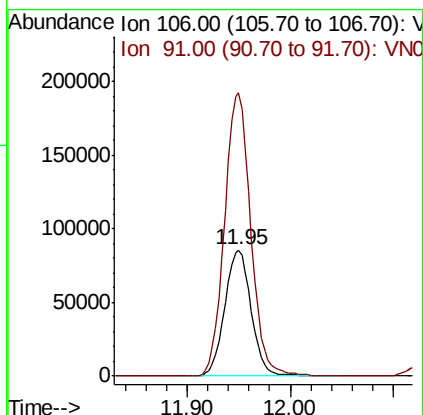
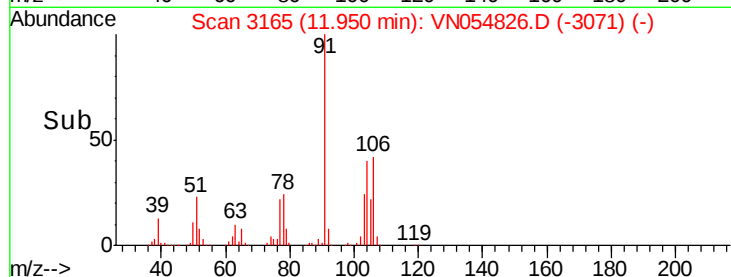
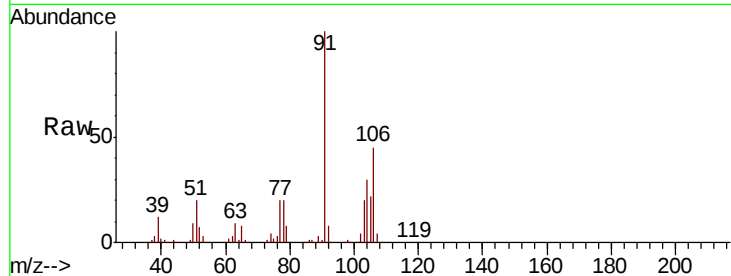




#69
o-Xylene
Concen: 20.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

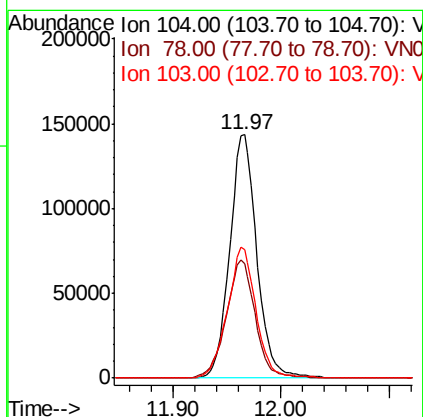
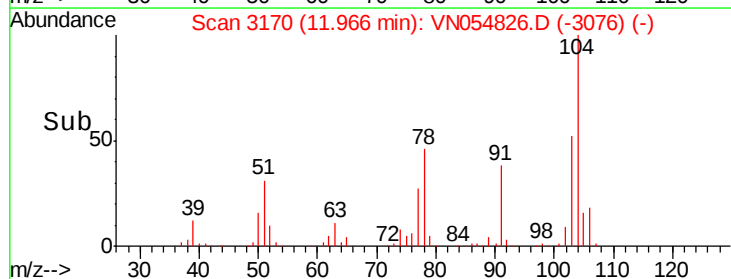
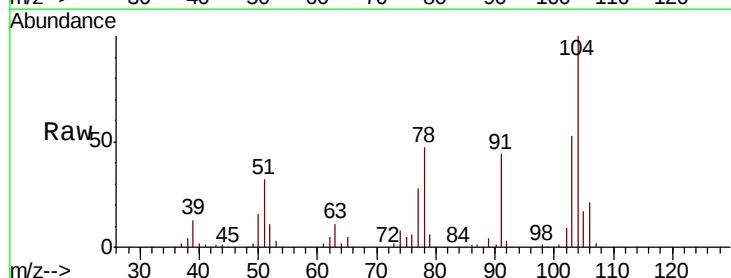
Instrument :
MSVOA_N
ClientSampled :
VN0330WBS02

Tot Ion:106 Resp: 152832
Ion Ratio Lower Upper
106 100
91 222.9 105.7 317.1



#70
Styrene
Concen: 20.914 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:104 Resp: 251762
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 56.9 44.4 66.6

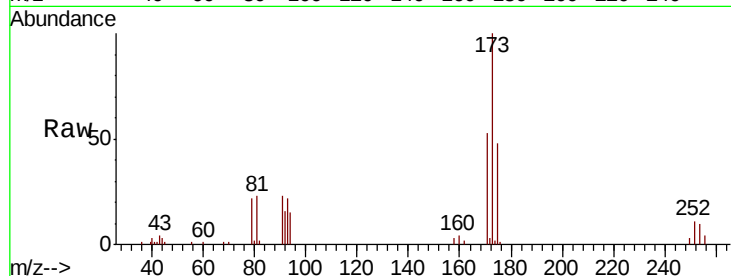




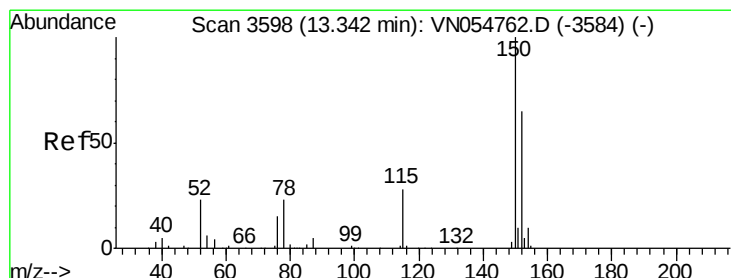
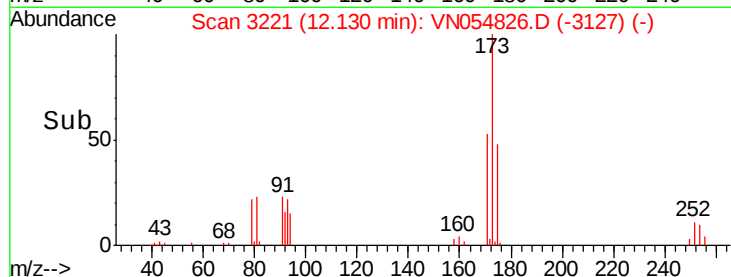
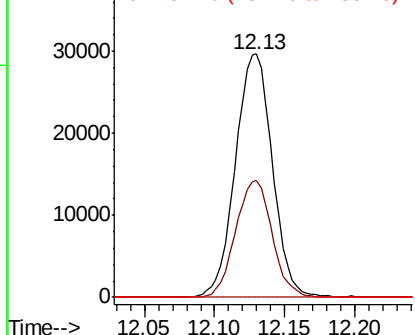
#71
Bromoform
Concen: 21.631 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

Tot Ion:173 Resp: 54533
Ion Ratio Lower Upper
173 100
175 47.2 24.4 73.2
254 0.0 0.1 0.1#

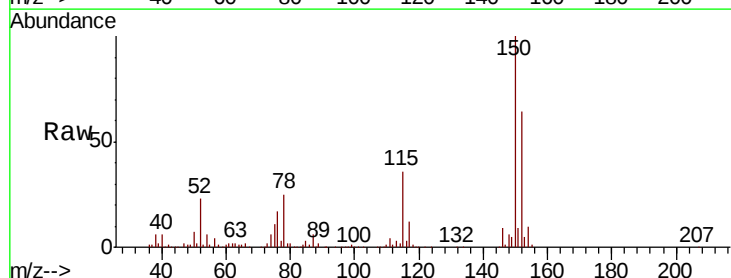


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

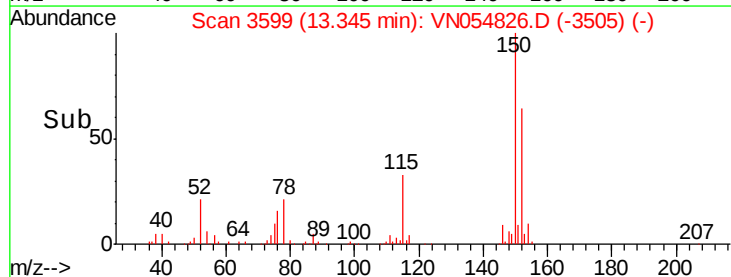
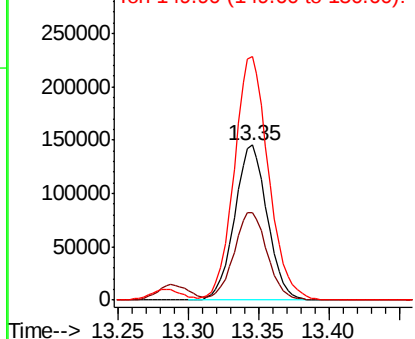


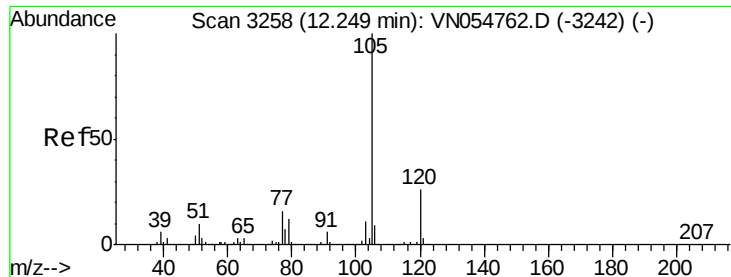
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:152 Resp: 236113
Ion Ratio Lower Upper
152 100
115 57.6 27.2 81.6
150 164.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.029 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampled :

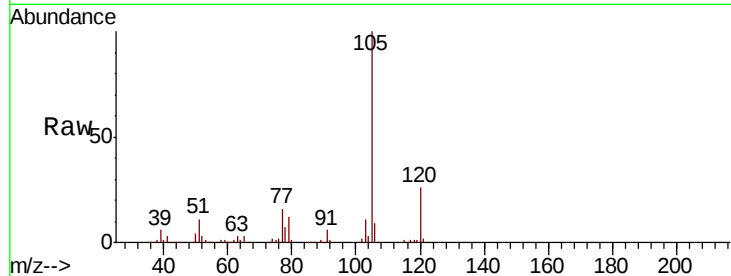
VN0330WBS02

Tot Ion:105 Resp: 405837

Ion Ratio Lower Upper

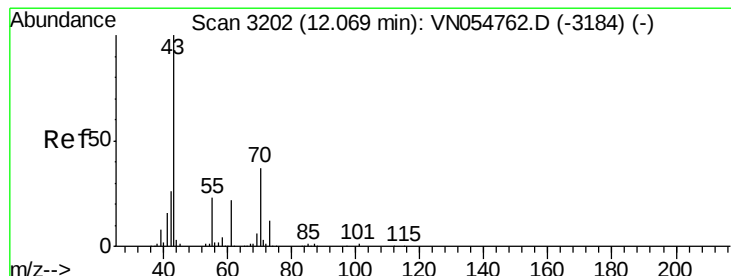
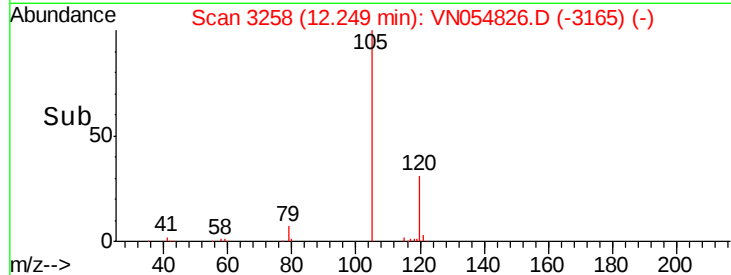
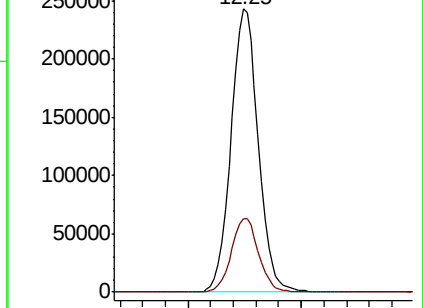
105 100

120 26.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.656 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion: 43 Resp: 136218

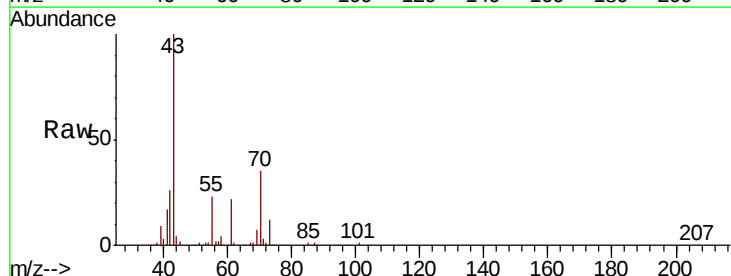
Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 23.8 19.8 29.6

61 22.1 19.8 29.6

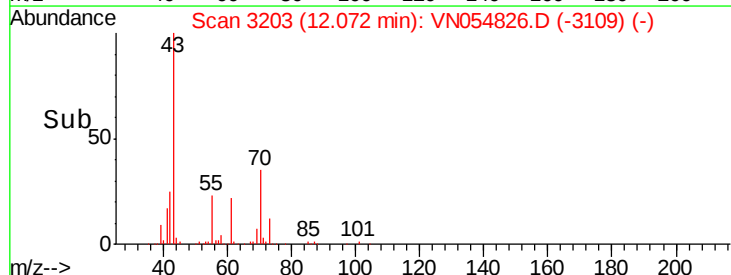
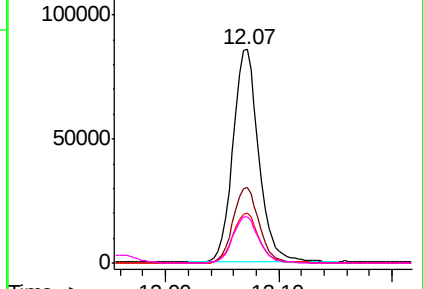


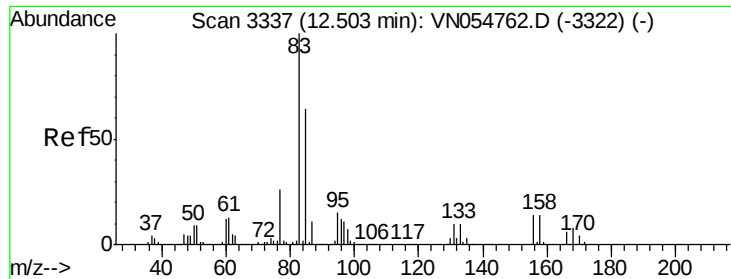
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.430 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

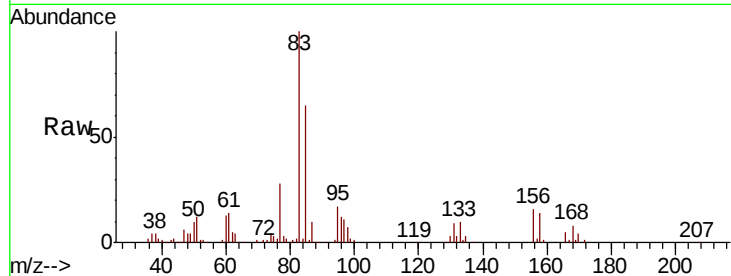
Tot Ion: 83 Resp: 111769

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

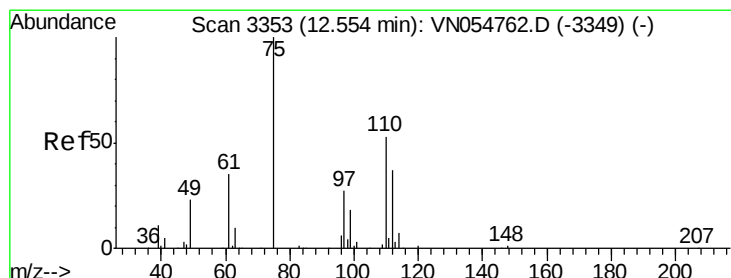
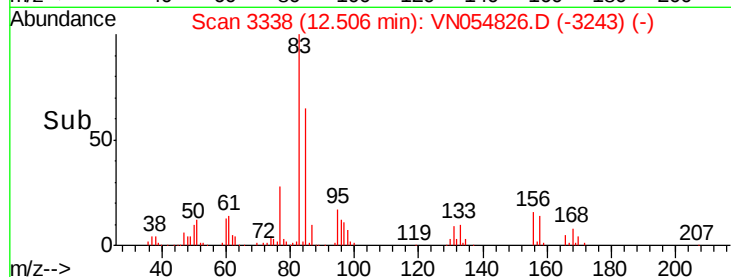
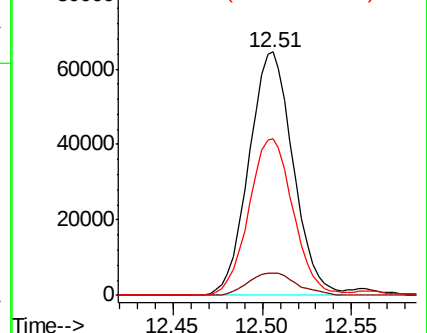
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.272 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054826.D

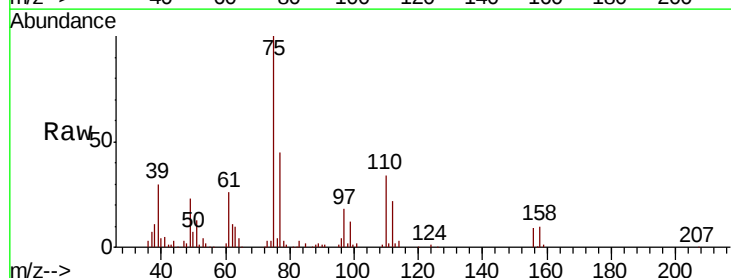
Acq: 31 Mar 2019 2:37

Tgt Ion: 75 Resp: 124169

Ion Ratio Lower Upper

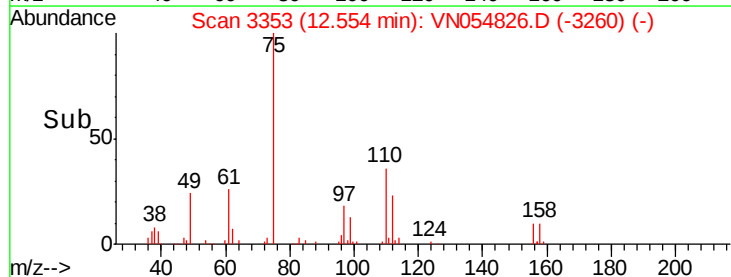
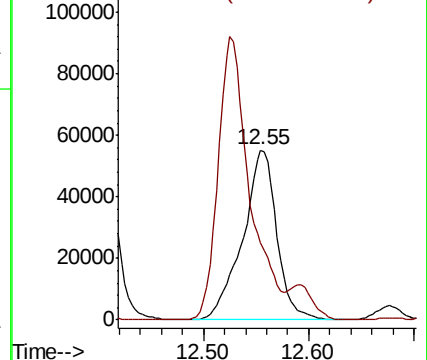
75 100

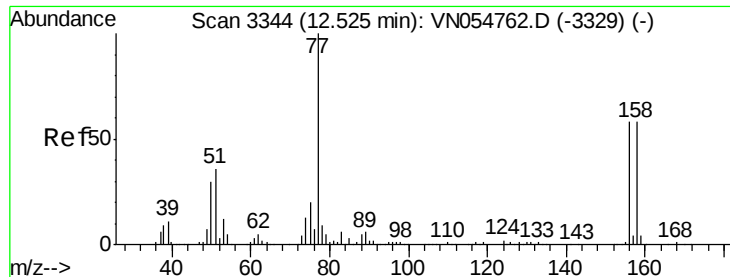
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.166 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

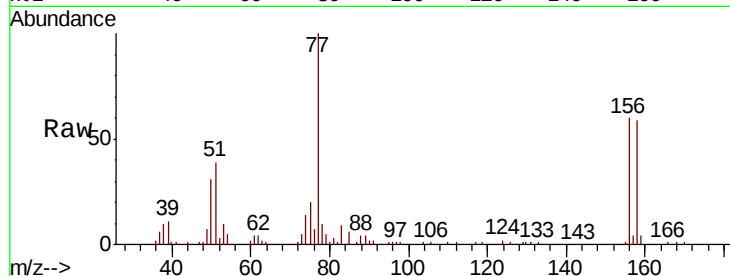
Tot Ion:156 Resp: 98586

Ion Ratio Lower Upper

156 100

77 194.3 81.5 244.4

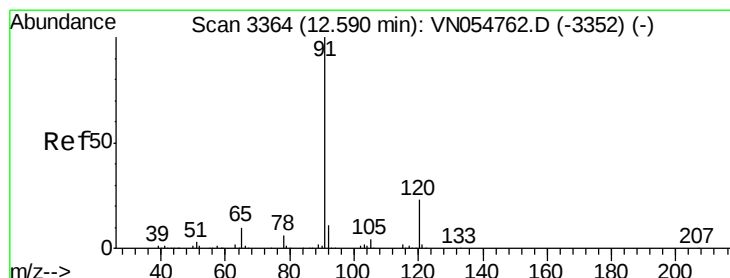
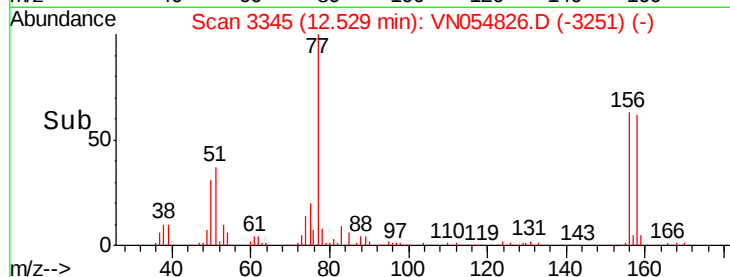
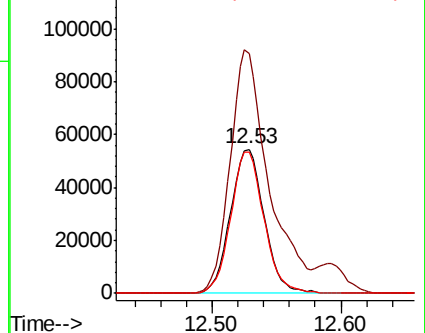
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.716 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054826.D

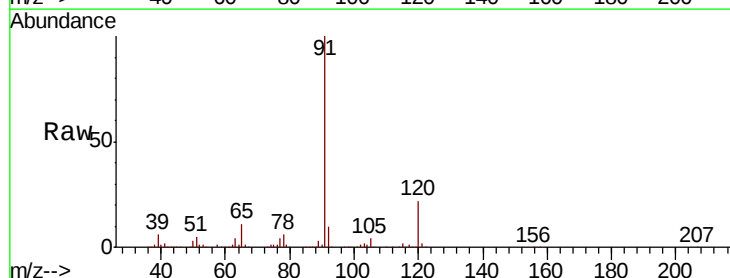
Acq: 31 Mar 2019 2:37

Tgt Ion: 91 Resp: 439420

Ion Ratio Lower Upper

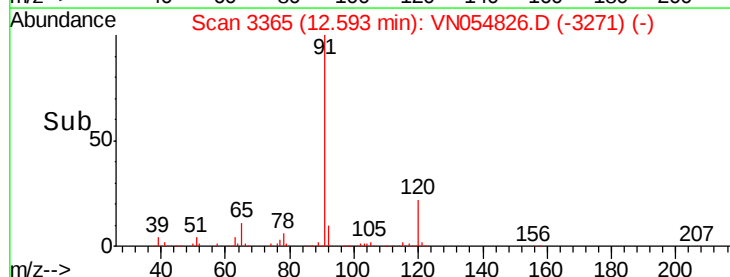
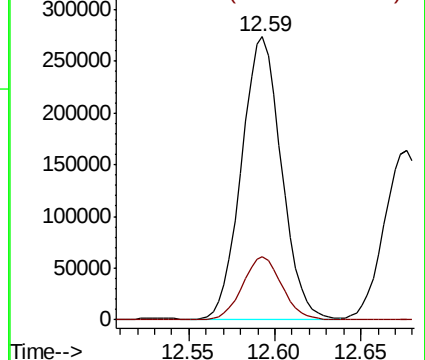
91 100

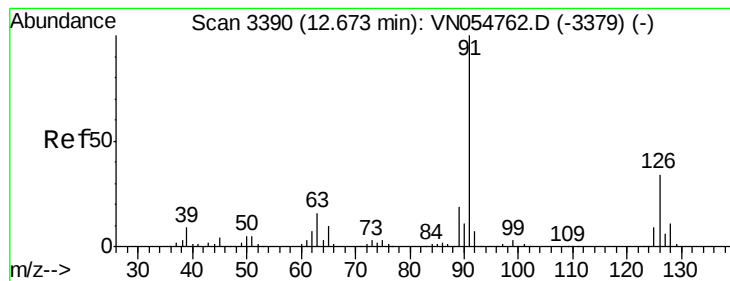
120 22.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.160 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

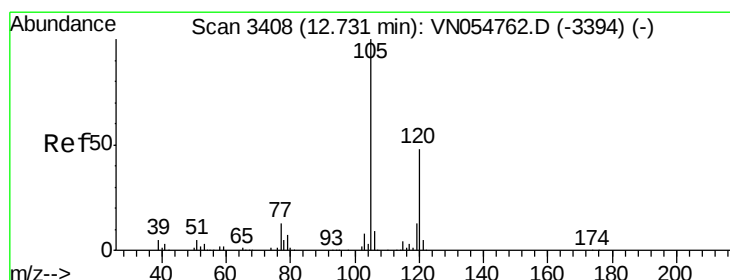
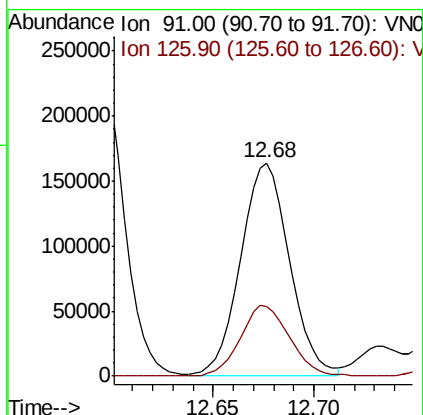
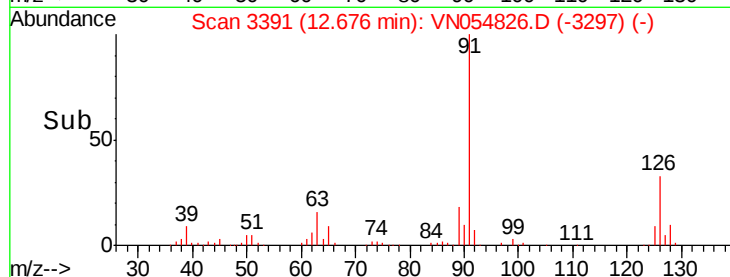
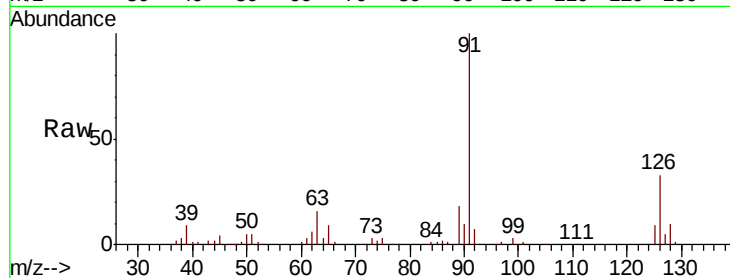
VN0330WBS02

Tot Ion: 91 Resp: 277681

Ion Ratio Lower Upper

91 100

126 33.6 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.430 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054826.D

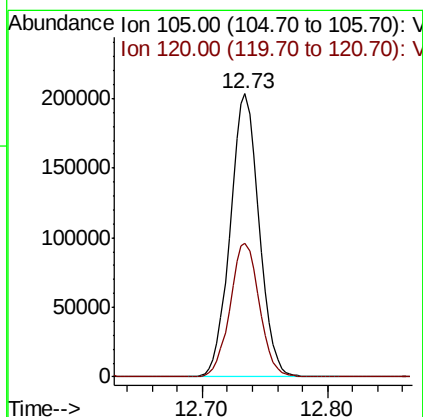
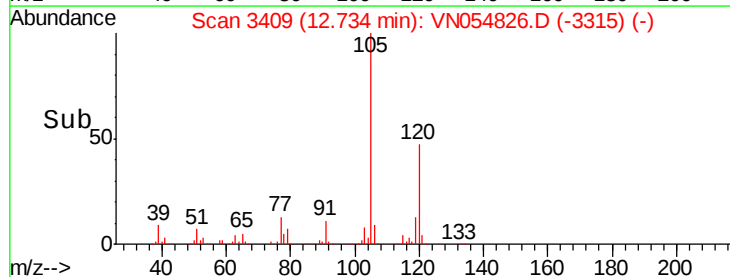
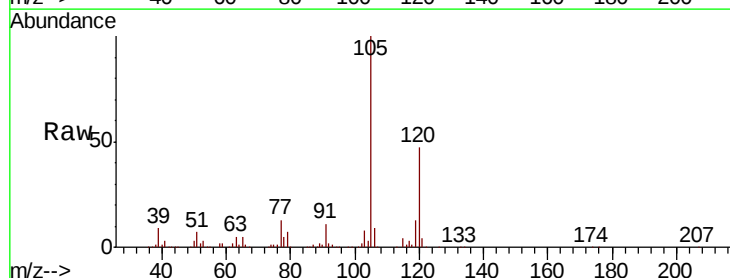
Acq: 31 Mar 2019 2:37

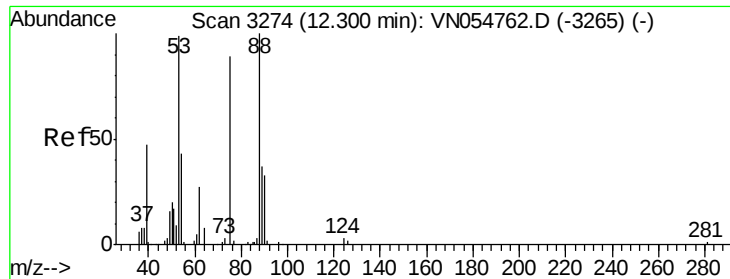
Tgt Ion: 105 Resp: 323519

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0

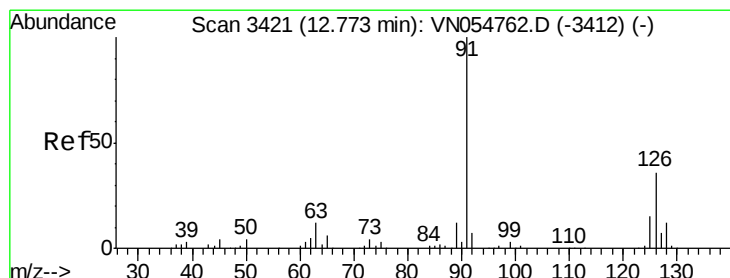
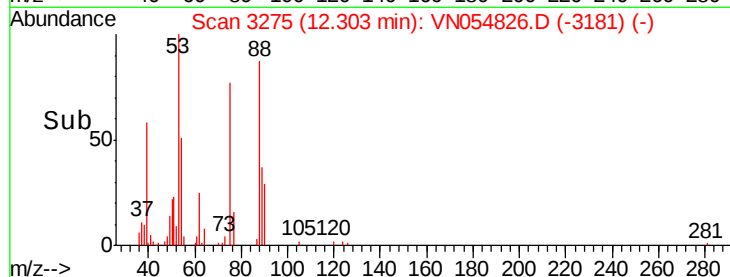
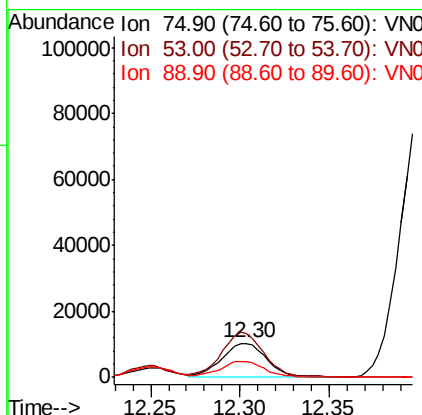
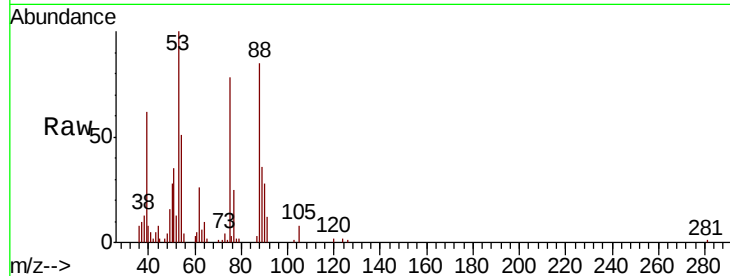




#81
trans-1,4-Dichloro-2-butene
Concen: 17.231 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

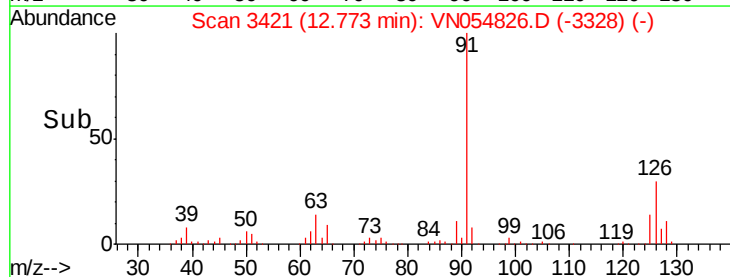
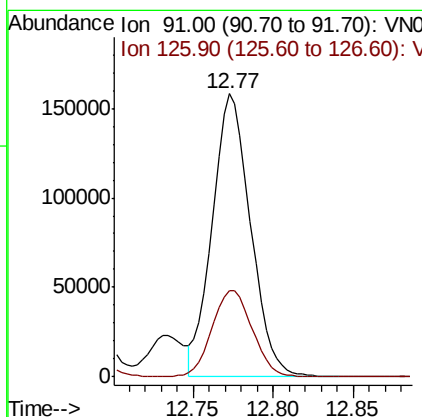
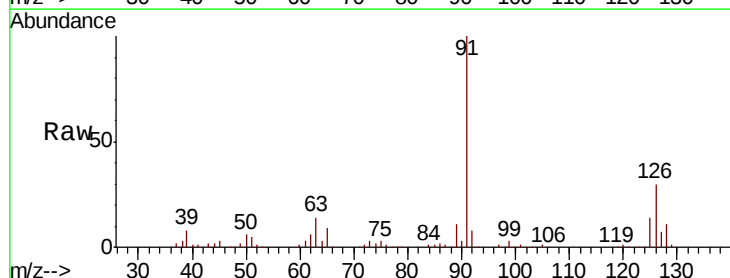
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

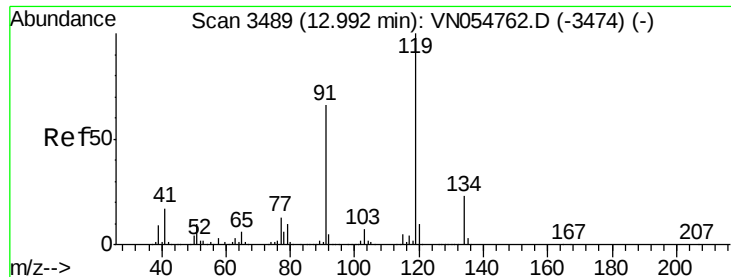
Tot Ion: 75 Resp: 18171
Ion Ratio Lower Upper
75 100
53 125.0 76.2 114.2#
89 46.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.355 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 91 Resp: 259451
Ion Ratio Lower Upper
91 100
126 32.5 18.1 54.1

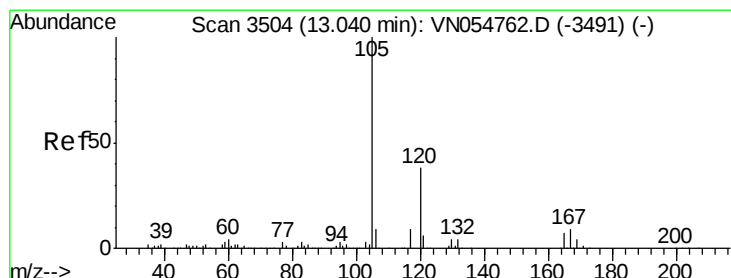
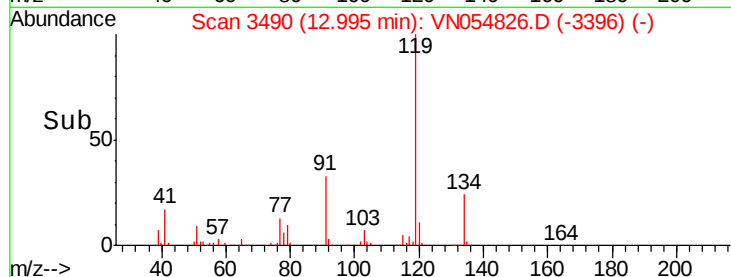
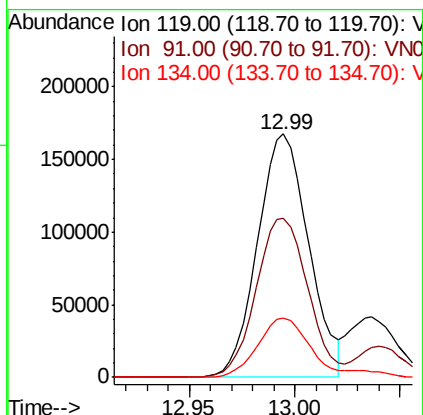
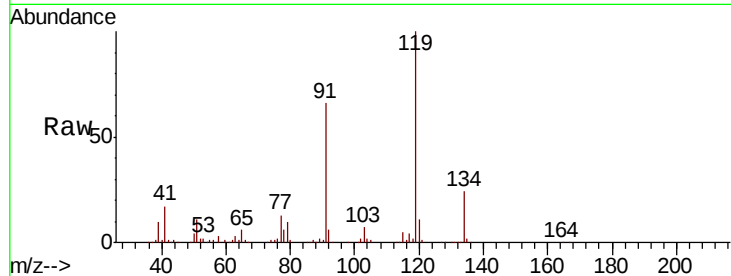




#83
tert-Butylbenzene
Concen: 21.906 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

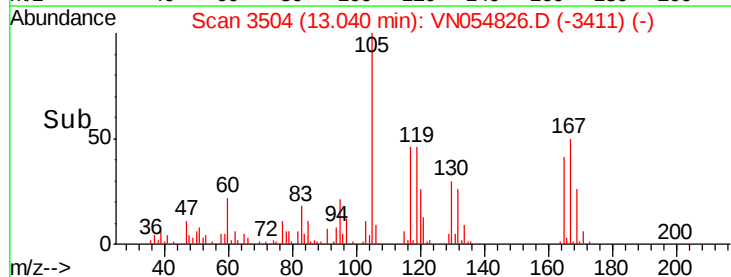
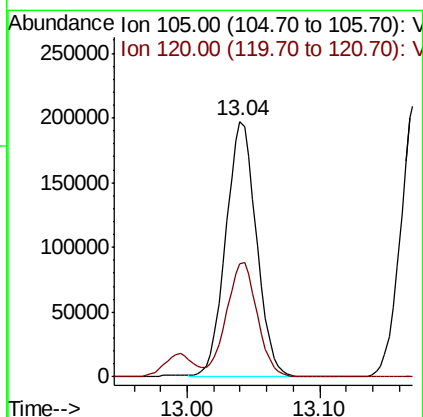
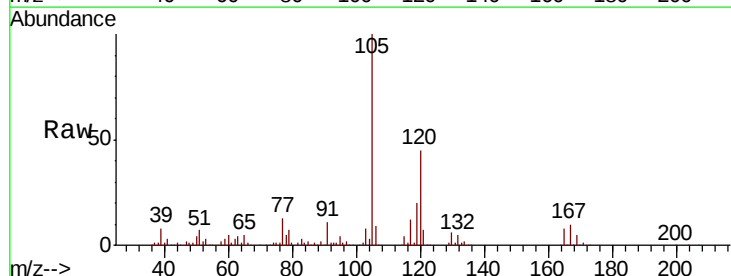
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

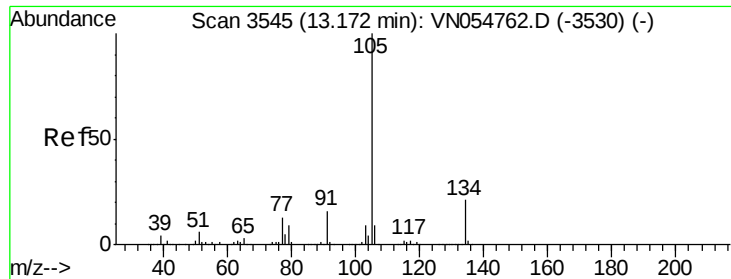
Tot Ion:119 Resp: 283166
Ion Ratio Lower Upper
119 100
91 66.4 30.9 92.8
134 26.5 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.984 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:105 Resp: 316568
Ion Ratio Lower Upper
105 100
120 45.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.279 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

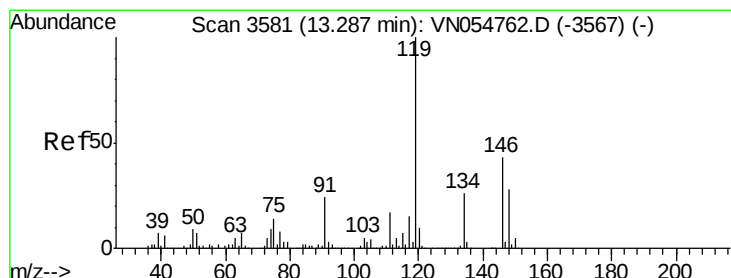
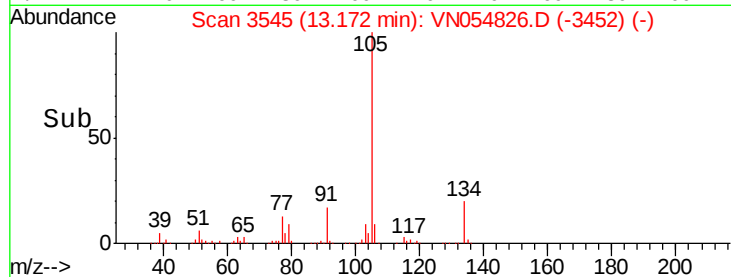
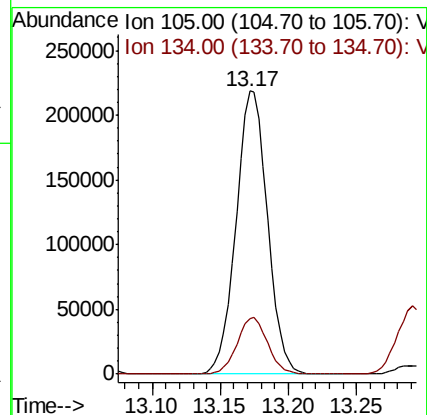
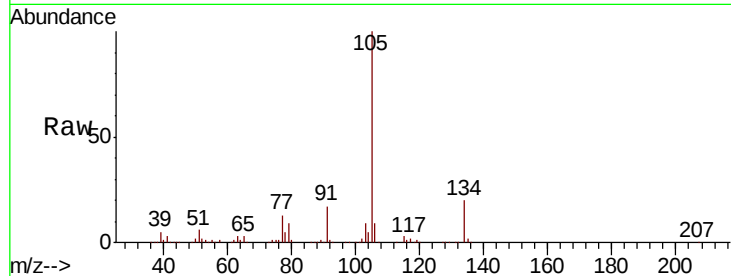
VN0330WBS02

Tot Ion:105 Resp: 348848

Ion Ratio Lower Upper

105 100

134 19.4 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.547 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

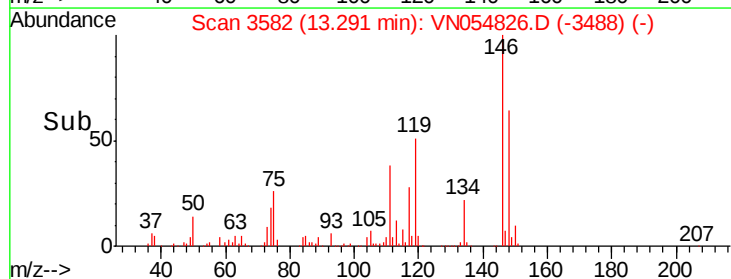
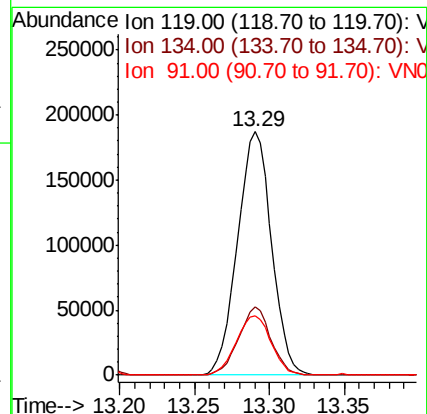
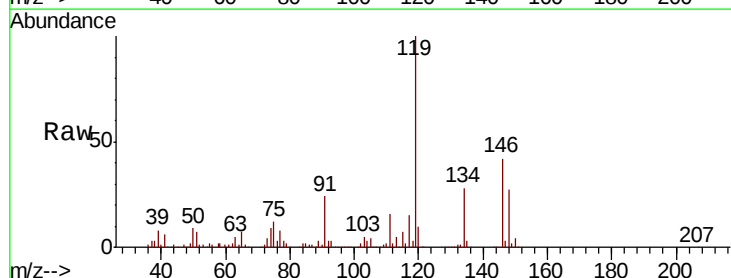
Tgt Ion:119 Resp: 296566

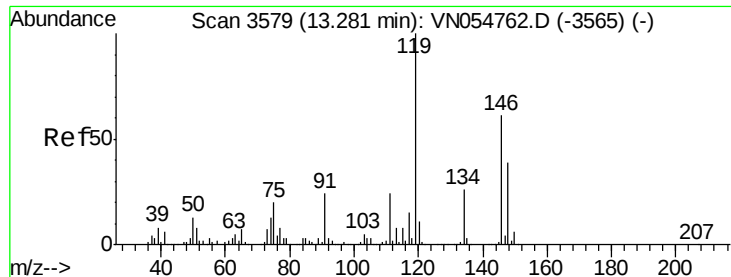
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 25.0 11.1 33.3

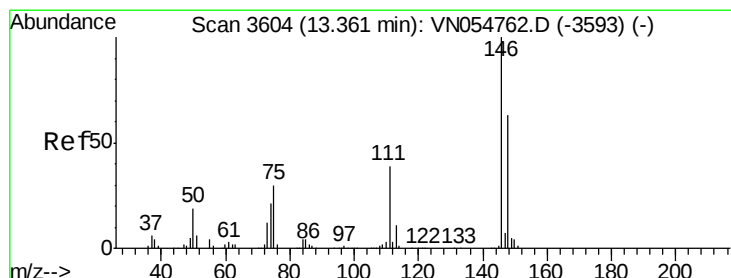
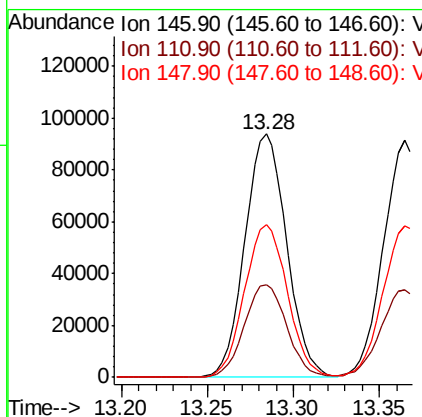
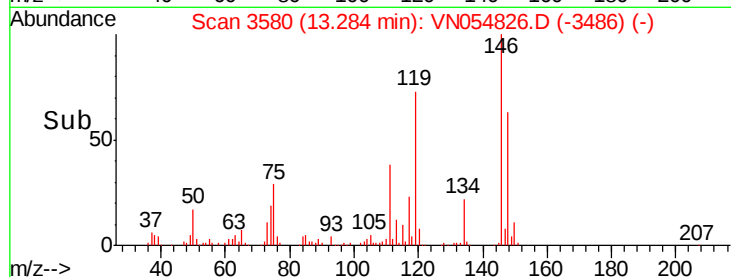
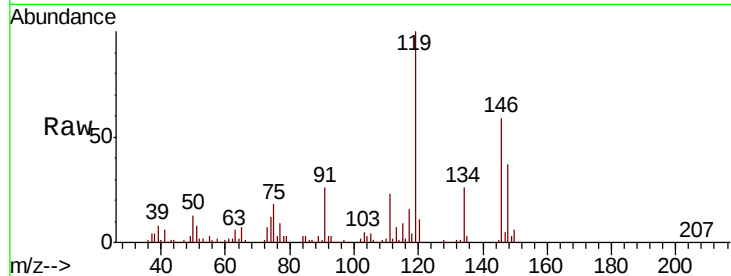




#87
 1,3-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

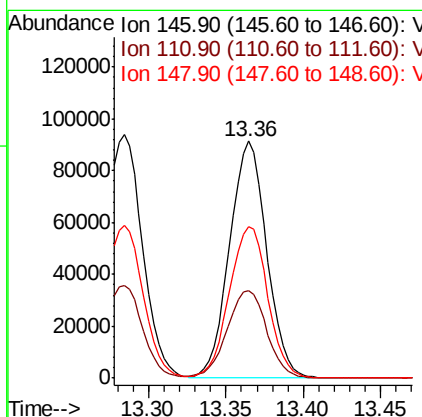
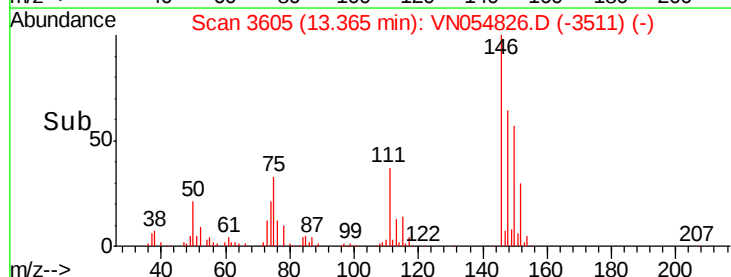
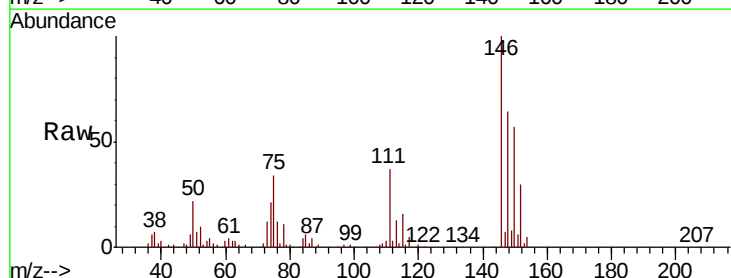
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

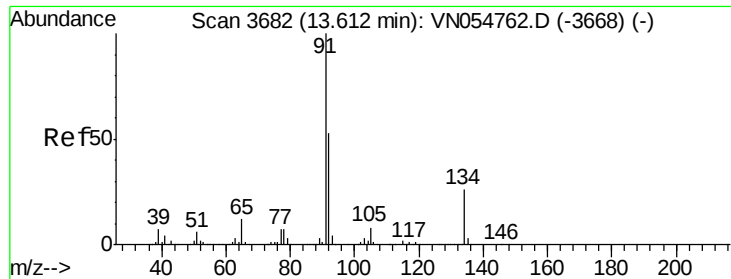
Tot Ion:146 Resp: 158741
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.8 56.3
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.839 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion:146 Resp: 151734
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.1 54.1
 148 66.6 32.0 96.0

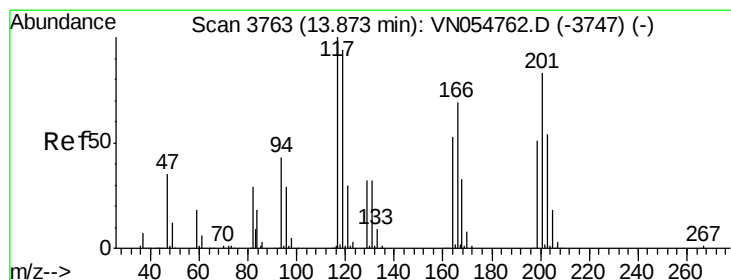
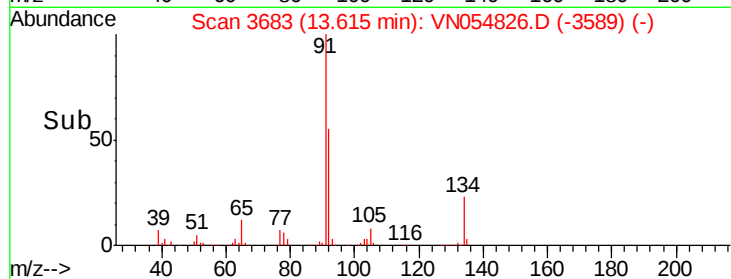
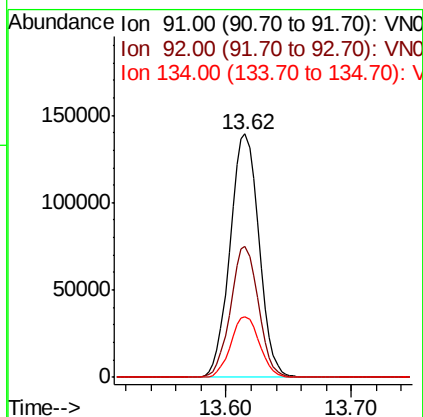
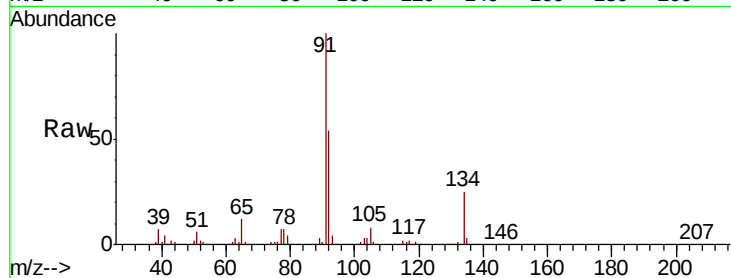




#89
n-Butylbenzene
Concen: 18.028 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

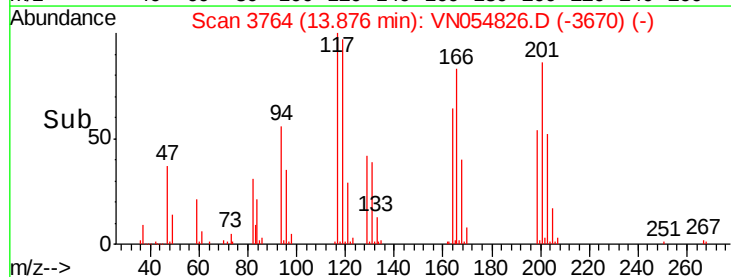
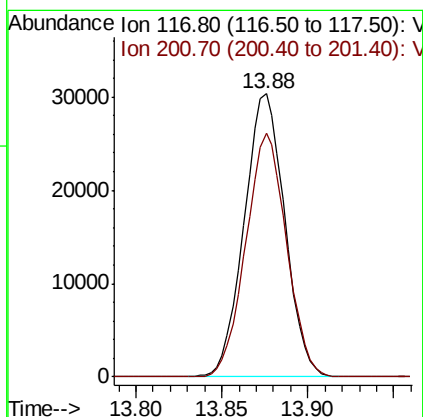
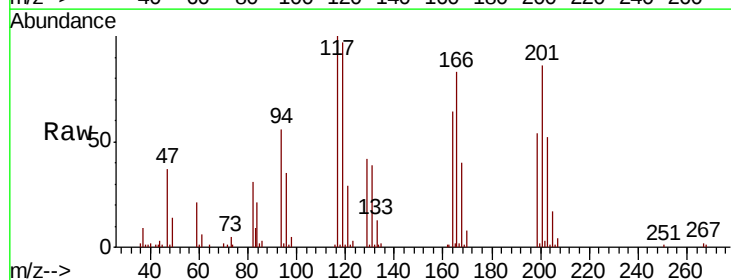
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS02

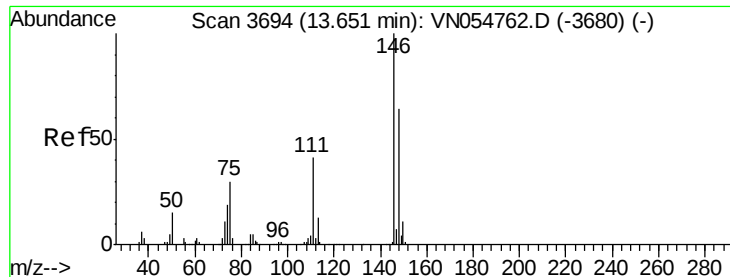
Tot Ion: 91 Resp: 223164
Ion Ratio Lower Upper
91 100
92 51.6 26.2 78.6
134 24.9 14.3 42.9



#90
Hexachloroethane
Concen: 19.288 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 117 Resp: 49686
Ion Ratio Lower Upper
117 100
201 86.1 48.1 144.4

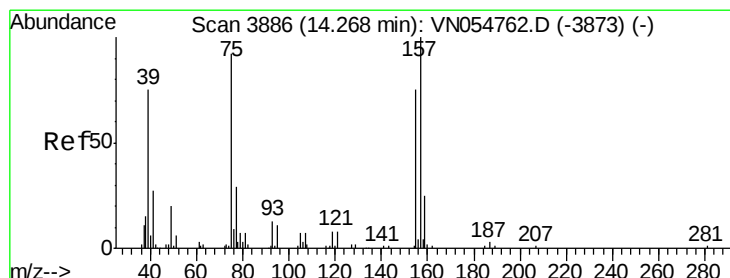
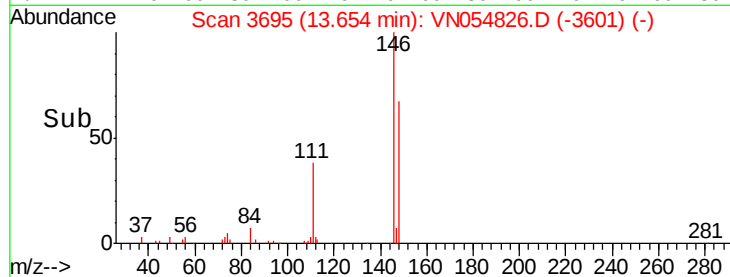
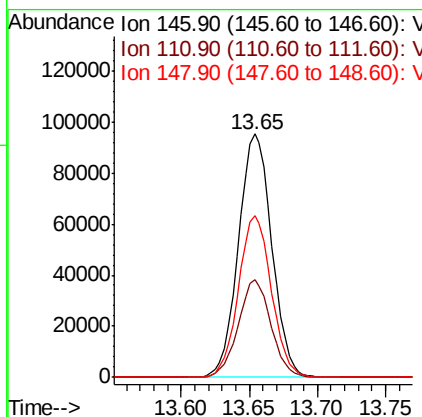
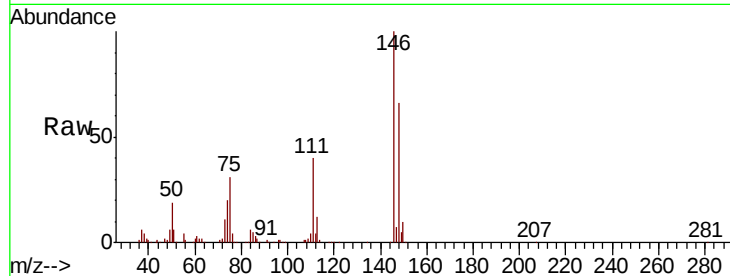




#91
 1,2-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

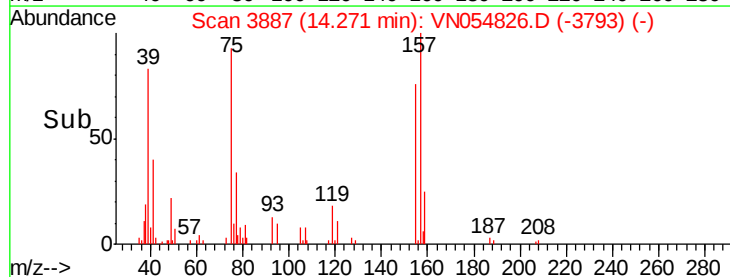
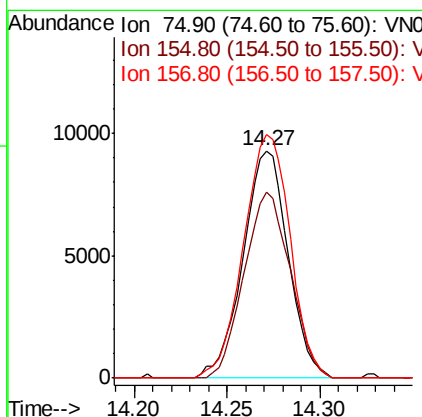
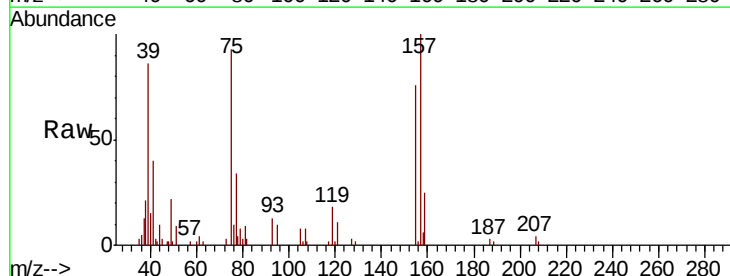
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS02

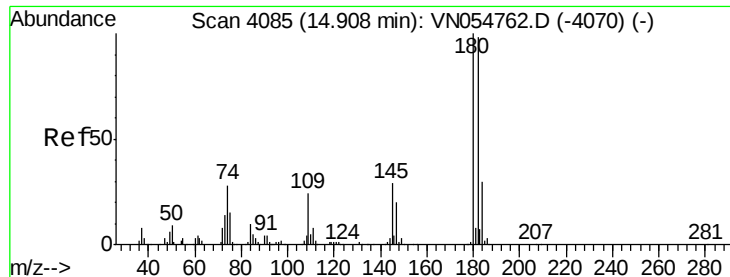
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.3
148	65.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.805 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	50.1	150.3
157	110.5	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.643 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

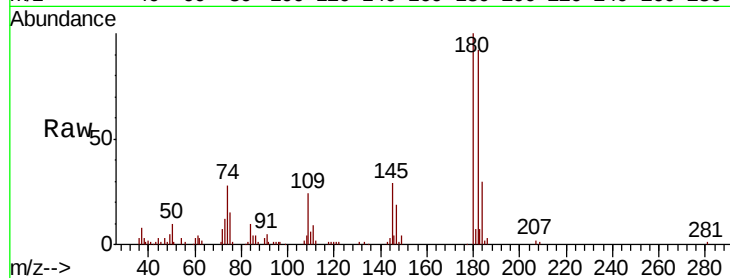
Tot Ion:180 Resp: 66943

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.2

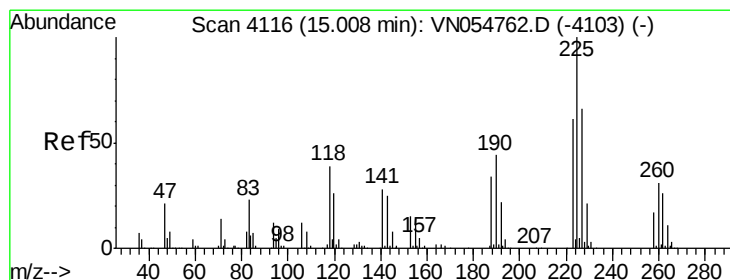
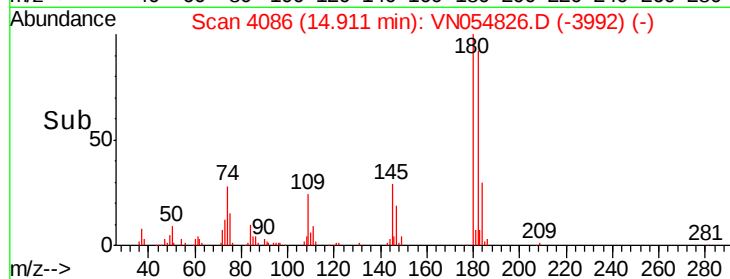
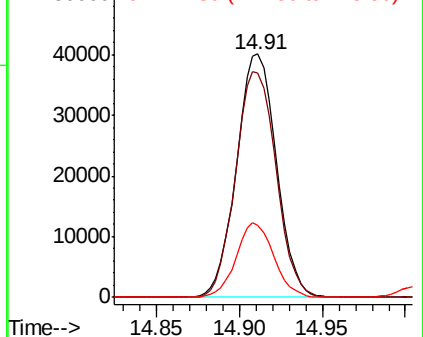
145 28.8 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.221 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

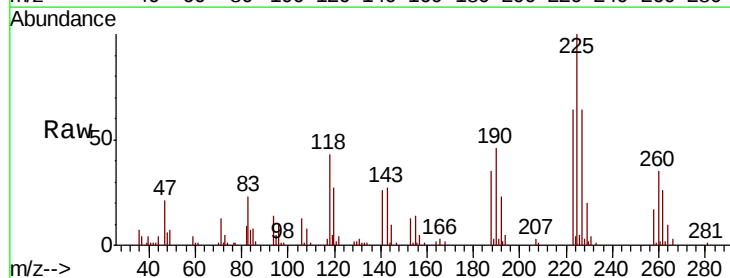
Tgt Ion:225 Resp: 41795

Ion Ratio Lower Upper

225 100

223 65.8 31.1 93.5

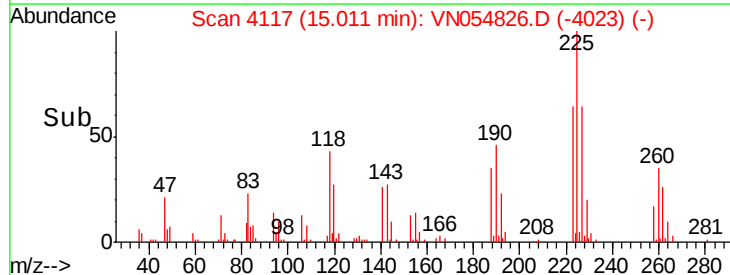
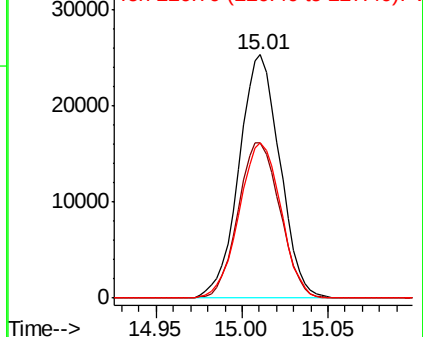
227 65.3 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.369 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS02

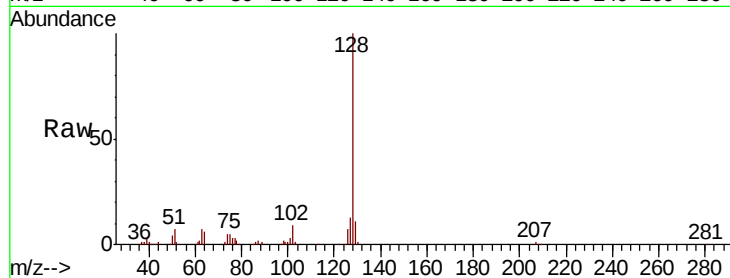
Tot Ion:128 Resp: 164821

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.8 8.7 13.1

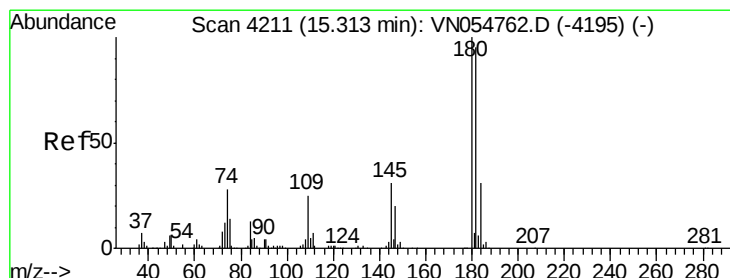
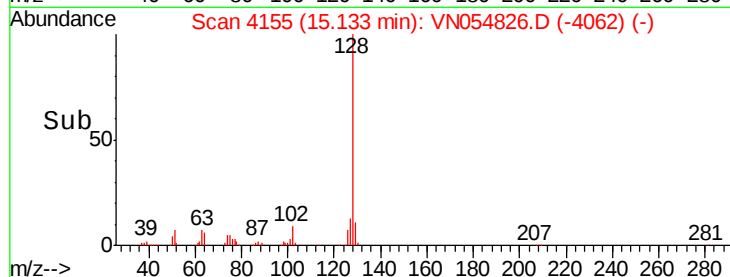
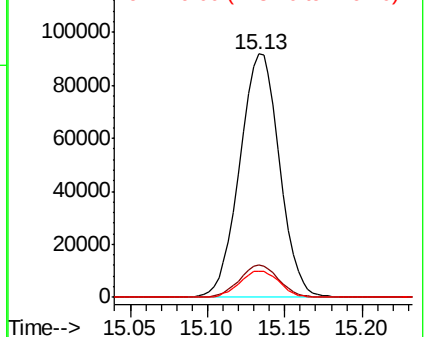


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.446 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

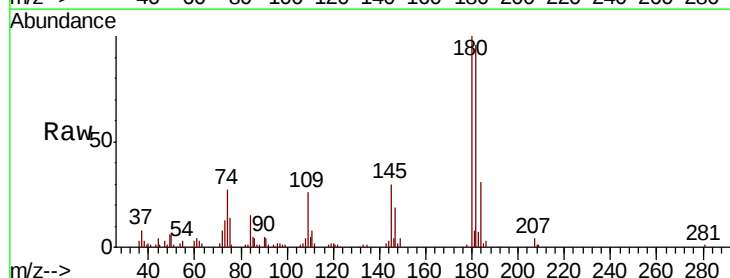
Tgt Ion:180 Resp: 70681

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 31.3 14.8 44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

