

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052570.D
 Acq On : 29 Nov 2018 17:31
 Operator : MD\SY
 Sample : VN1129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

Quant Time: Nov 30 00:27:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1079751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1675786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1471421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	654719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	548891	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.59	113	499774	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	1917999	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	12.40	95	638948	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	177677	17.574	ug/l	95
3) Chloromethane	2.06	50	230947	17.305	ug/l	99
4) Vinyl Chloride	2.19	62	242269	17.672	ug/l	100
5) Bromomethane	2.57	94	142547	16.665	ug/l	98
6) Chloroethane	2.71	64	148418	17.873	ug/l	100
7) Trichlorofluoromethane	3.02	101	308361	18.312	ug/l	99
8) Diethyl Ether	3.41	74	115731	18.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	188232	17.914	ug/l	99
10) Methyl Iodide	3.96	142	260608	18.622	ug/l	99
11) Tert butyl alcohol	4.78	59	56229	95.536	ug/l	97
12) 1,1-Dichloroethene	3.74	96	186706	18.459	ug/l	98
13) Acrolein	3.61	56	74216	95.737	ug/l	98
14) Allyl chloride	4.33	41	313935	18.009	ug/l	99
15) Acrylonitrile	4.99	53	330012	88.578	ug/l	99
16) Acetone	3.82	43	223233	71.990	ug/l	98
17) Carbon Disulfide	4.06	76	526582	16.544	ug/l	99
18) Methyl Acetate	4.33	43	158825	17.856	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	509757	18.942	ug/l	100
20) Methylene Chloride	4.55	84	215678	17.774	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	198345	18.361	ug/l	98
22) Diisopropyl ether	5.95	45	675907	18.459	ug/l	98
23) Vinyl Acetate	5.90	43	2058650	90.264	ug/l	99
24) 1,1-Dichloroethane	5.85	63	384723	18.402	ug/l	99
25) 2-Butanone	6.84	43	357175	81.265	ug/l	96
26) 2,2-Dichloropropane	6.83	77	246405	17.027	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	233565	18.561	ug/l	97
28) Bromochloromethane	7.20	49	176294	18.462	ug/l	95
29) Tetrahydrofuran	7.21	42	242993	85.715	ug/l	98
30) Chloroform	7.37	83	377885	18.116	ug/l	97
31) Cyclohexane	7.66	56	363303	17.718	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	310007	18.758	ug/l	99
36) 1,1-Dichloropropene	7.79	75	286151	18.082	ug/l	98
37) Ethyl Acetate	6.93	43	167171	17.309	ug/l	98
38) Carbon Tetrachloride	7.78	117	265620	18.541	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1129WBSD01

Quant Time: Nov 30 00:27:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	338295	17.588	ug/l	99
40) Benzene	8.04	78	882199	18.706	ug/l	100
41) Methacrylonitrile	7.21	41	236468	44.785	ug/l #	19
42) 1,2-Dichloroethane	8.12	62	267751	18.750	ug/l	99
43) Isopropyl Acetate	8.17	43	310025	18.969	ug/l #	87
44) Trichloroethene	8.84	130	227990	18.873	ug/l	99
45) 1,2-Dichloropropane	9.12	63	231100	18.431	ug/l	99
46) Dibromomethane	9.21	93	128163	18.464	ug/l	98
47) Bromodichloromethane	9.40	83	276674	18.334	ug/l	97
48) Methyl methacrylate	9.20	41	151202	17.742	ug/l	97
49) 1,4-Dioxane	9.20	88	37179	420.359	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	819996	89.421	ug/l	99
52) Toluene	10.16	92	530923	18.948	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	263778	18.169	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	317459	18.247	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	185308	18.801	ug/l	98
56) Ethyl methacrylate	10.43	69	232597	18.772	ug/l	98
57) 1,3-Dichloropropane	10.71	76	323841	18.608	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	676240	94.552	ug/l	98
59) 2-Hexanone	10.75	43	528206	85.824	ug/l	100
60) Dibromochloromethane	10.90	129	198291	18.523	ug/l	99
61) 1,2-Dibromoethane	11.01	107	182300	18.622	ug/l	99
64) Tetrachloroethene	10.63	164	223114	19.557	ug/l	97
65) Chlorobenzene	11.44	112	577027	19.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201163	19.068	ug/l	99
67) Ethyl Benzene	11.51	91	998705	18.797	ug/l	99
68) m/p-Xylenes	11.62	106	757226	38.283	ug/l	100
69) o-Xylene	11.95	106	370586	19.294	ug/l	100
70) Styrene	11.96	104	593210	19.390	ug/l	100
71) Bromoform	12.13	173	126135	18.058	ug/l #	100
73) Isopropylbenzene	12.25	105	986240	19.200	ug/l	99
74) N-amyl acetate	12.07	43	247176	19.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	216525	18.530	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	257120	25.467	ug/l #	100
77) Bromobenzene	12.53	156	244694	19.273	ug/l	97
78) n-propylbenzene	12.59	91	1115677	19.119	ug/l	100
79) 2-Chlorotoluene	12.68	91	655316	18.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	795344	19.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50699	16.770	ug/l	95
82) 4-Chlorotoluene	12.77	91	663662	18.949	ug/l	100
83) tert-Butylbenzene	12.99	119	701668	19.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	803689	19.575	ug/l	99
85) sec-Butylbenzene	13.17	105	952926	19.156	ug/l	100
86) p-Isopropyltoluene	13.29	119	810440	19.128	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	419461	18.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	412805	18.870	ug/l	99
89) n-Butylbenzene	13.62	91	667214	18.936	ug/l	100
90) Hexachloroethane	13.88	117	126758	17.669	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	407269	19.194	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29101	17.413	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Quant Time: Nov 30 00:27:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

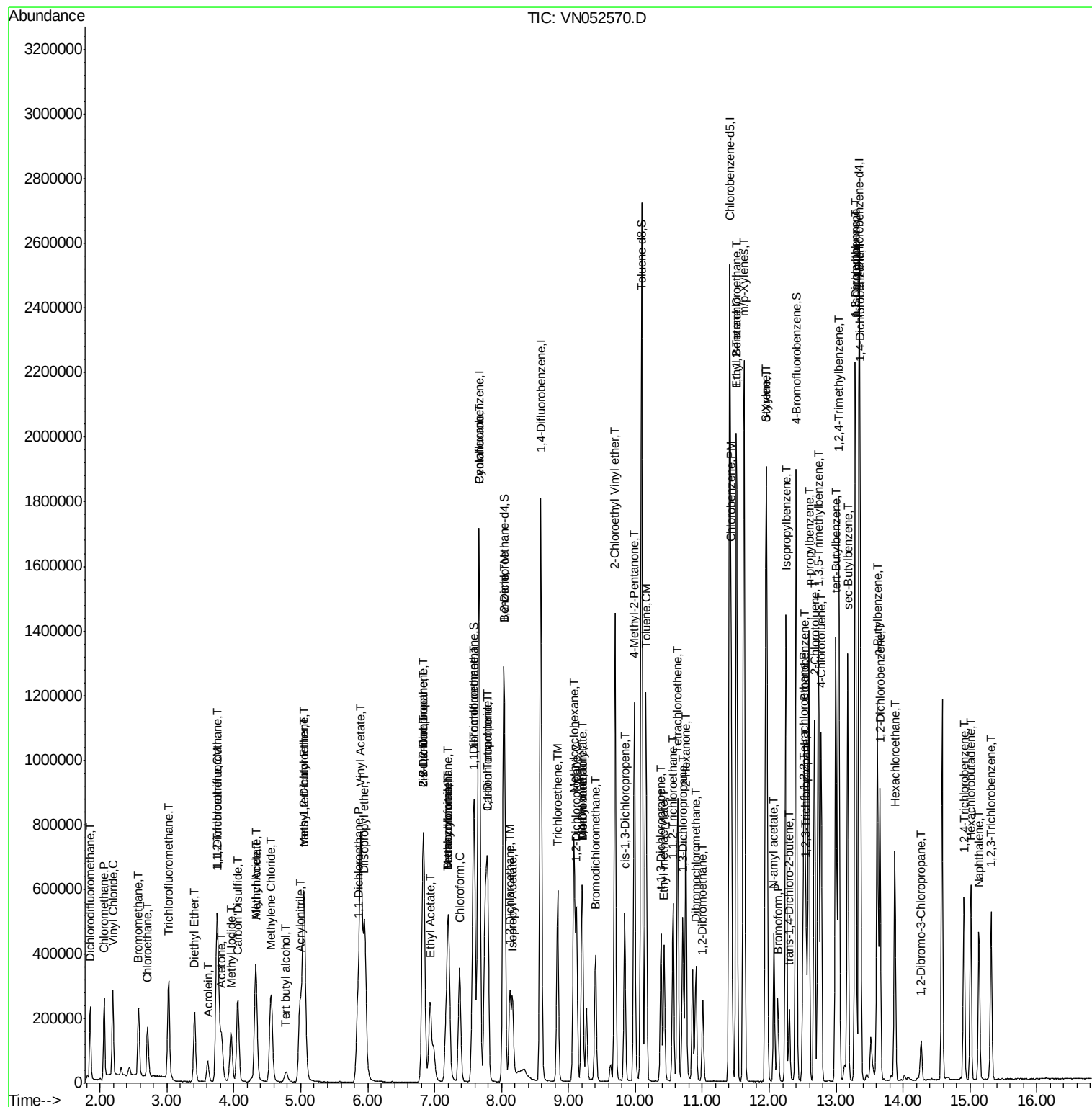
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199289	19.005	ug/l	99
94) Hexachlorobutadiene	15.01	225	126580	18.544	ug/l	99
95) Naphthalene	15.14	128	402969	18.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	184346	19.036	ug/l	98

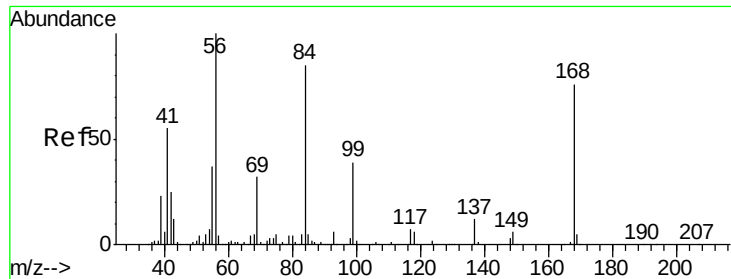
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052570.D
 Acq On : 29 Nov 2018 17:31
 Operator : MD\SY
 Sample : VN1129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 Client Sample Id :
 VN1129WBSD01

Quant Time: Nov 30 00:27:41 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampled :

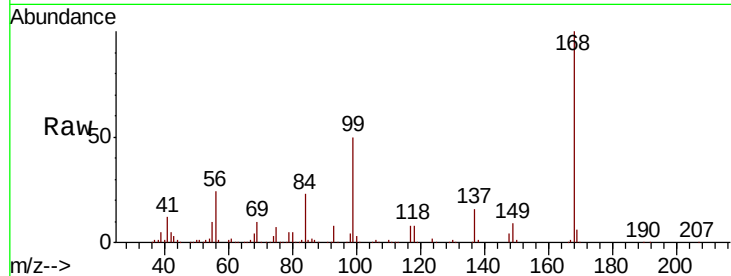
VN1129WBSD01

Tot Ion:168 Resp: 1079751

Ion Ratio Lower Upper

168 100

99 49.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

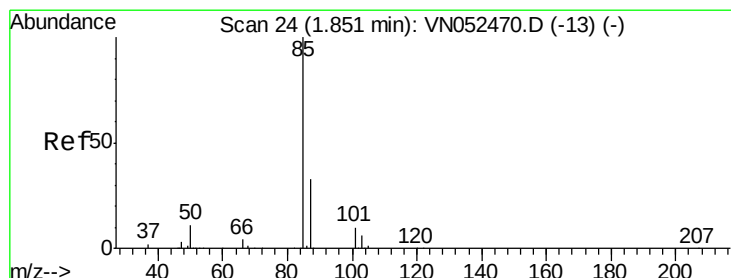
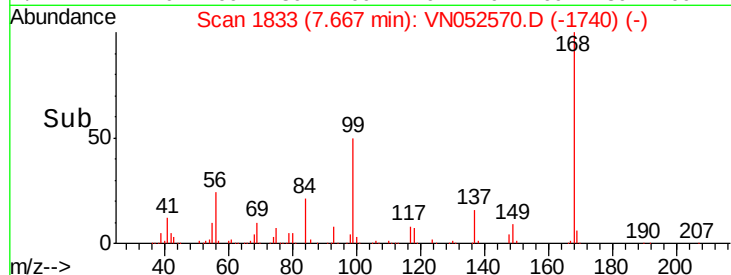
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.574 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052570.D

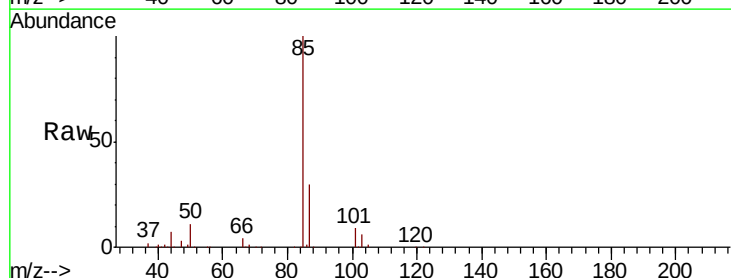
Acq: 29 Nov 2018 17:31

Tgt Ion: 85 Resp: 177677

Ion Ratio Lower Upper

85 100

87 30.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

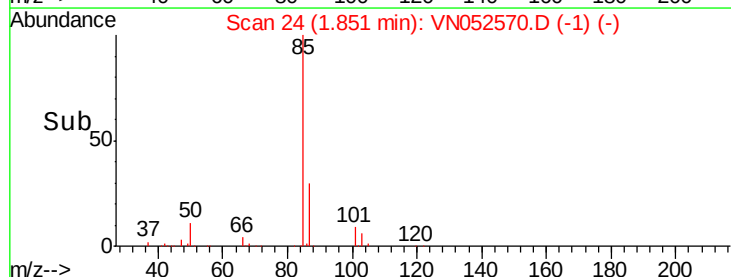
100000

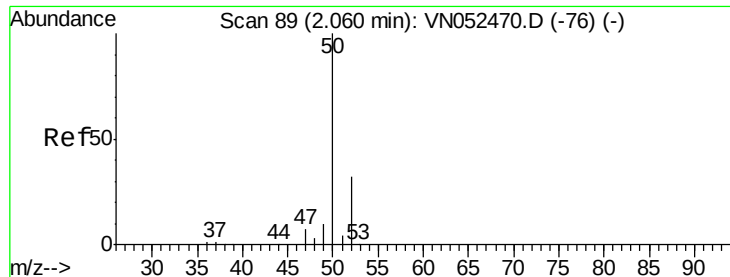
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.305 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

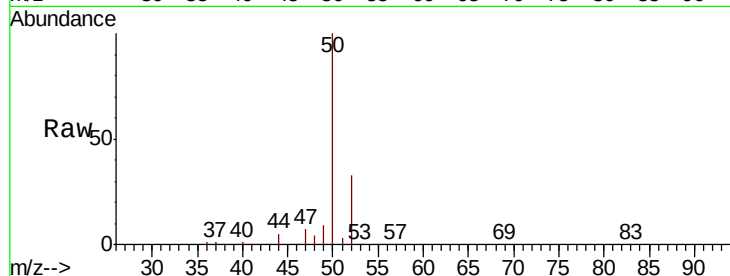
VN1129WBSD01

Tot Ion: 50 Resp: 230947

Ion Ratio Lower Upper

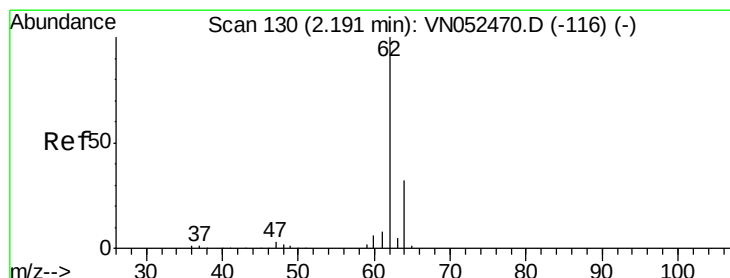
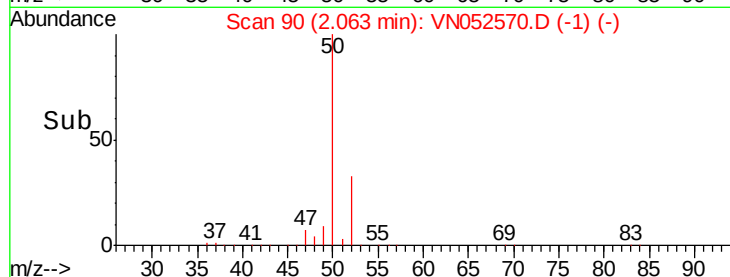
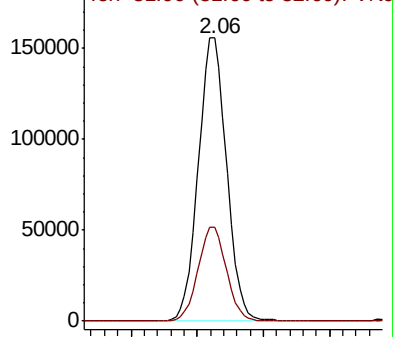
50 100

52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.672 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052570.D

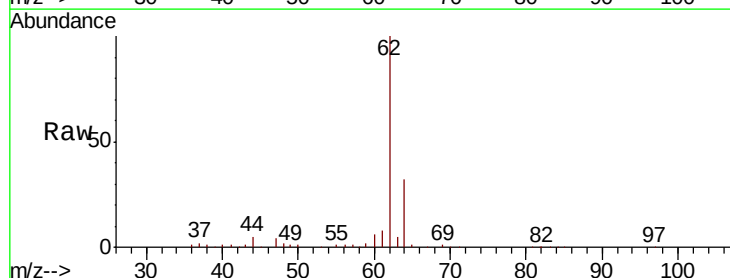
Acq: 29 Nov 2018 17:31

Tgt Ion: 62 Resp: 242269

Ion Ratio Lower Upper

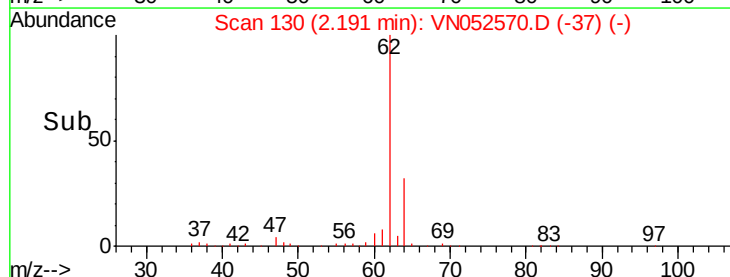
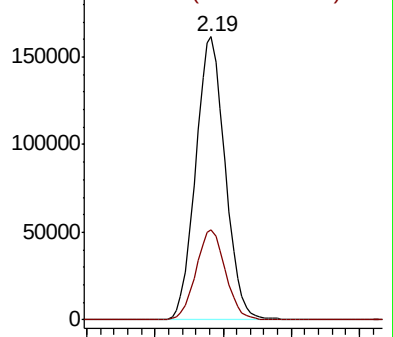
62 100

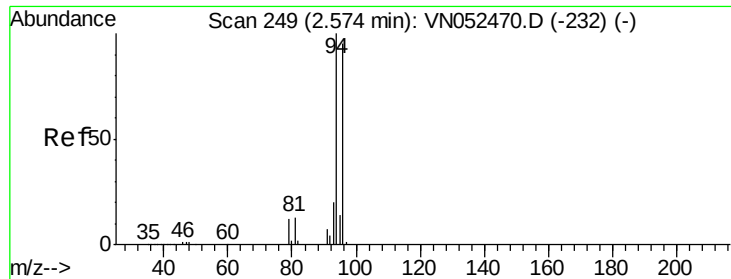
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.665 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

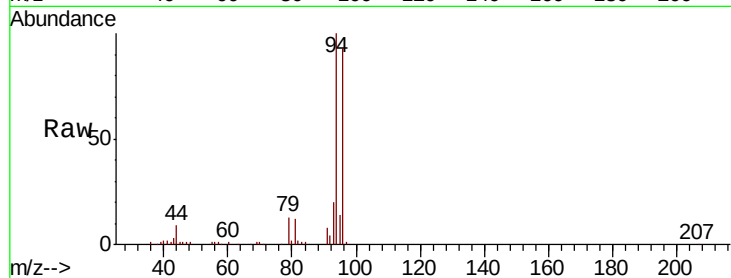
VN1129WBSD01

Tot Ion: 94 Resp: 142547

Ion Ratio Lower Upper

94 100

96 92.8 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052470.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN052470.D (-232) (-)

2.57

80000

60000

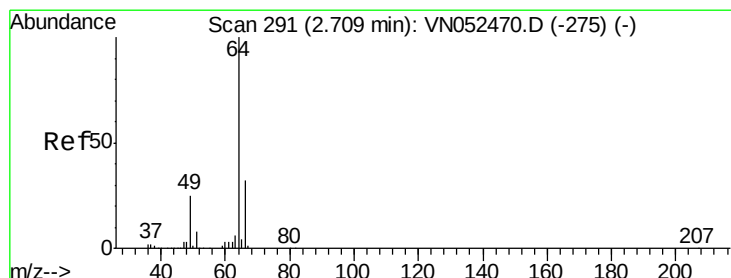
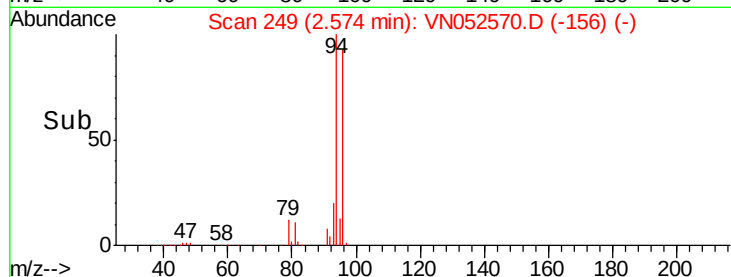
40000

20000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 17.873 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052570.D

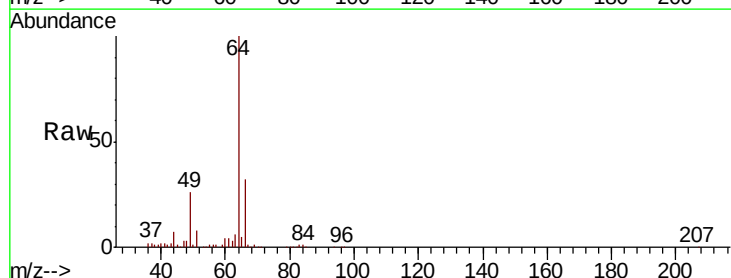
Acq: 29 Nov 2018 17:31

Tgt Ion: 64 Resp: 148418

Ion Ratio Lower Upper

64 100

66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052470.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN052470.D (-275) (-)

2.71

80000

60000

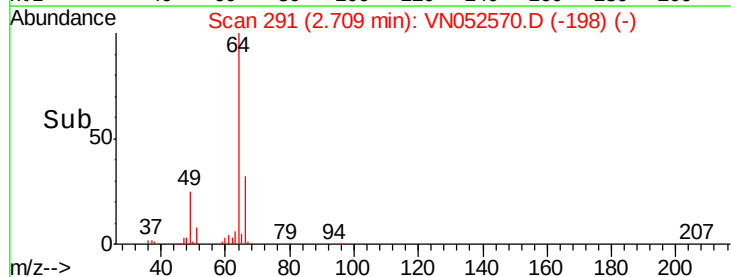
40000

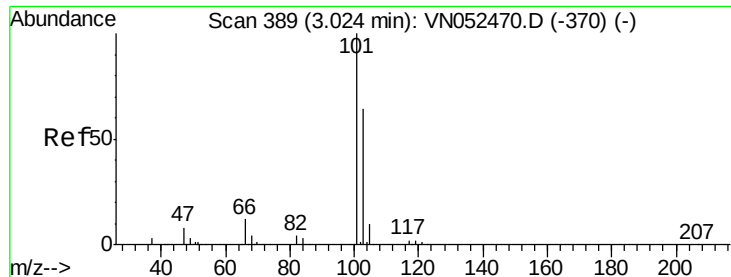
20000

0

2.65 2.70 2.75 2.80

Time-->



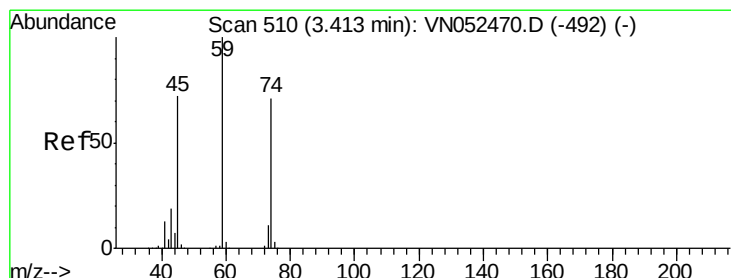
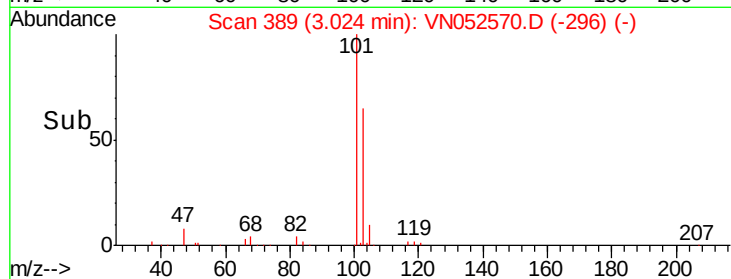
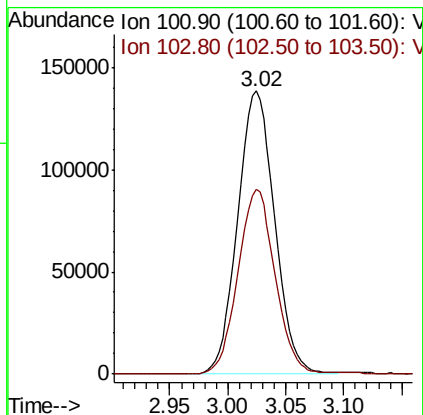
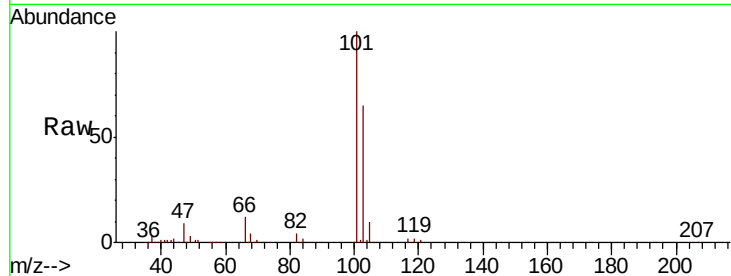


#7

Trichlorofluoromethane
 Concen: 18.312 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

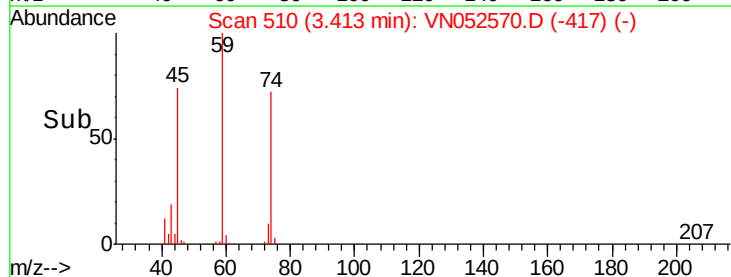
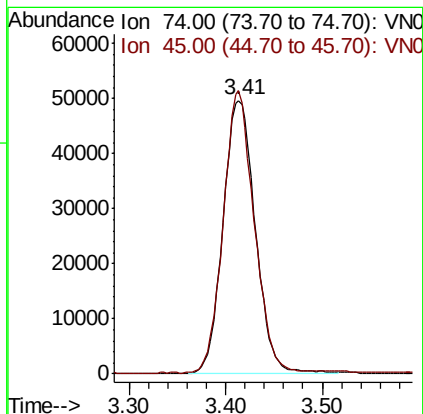
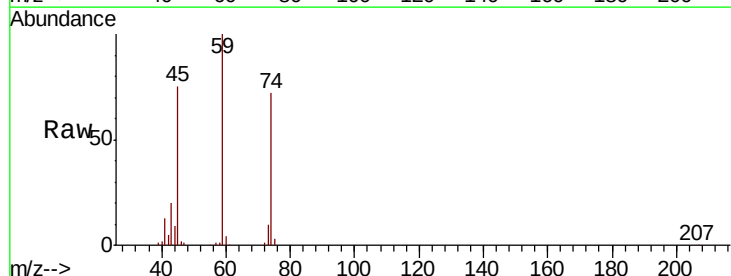
Tot Ion:101 Resp: 308361
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

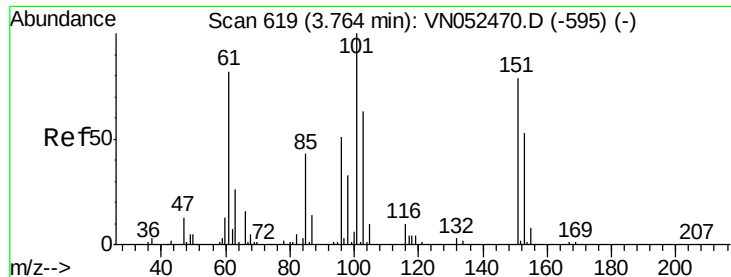


#8

Diethyl Ether
 Concen: 18.610 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion: 74 Resp: 115731
 Ion Ratio Lower Upper
 74 100
 45 98.2 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.914 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

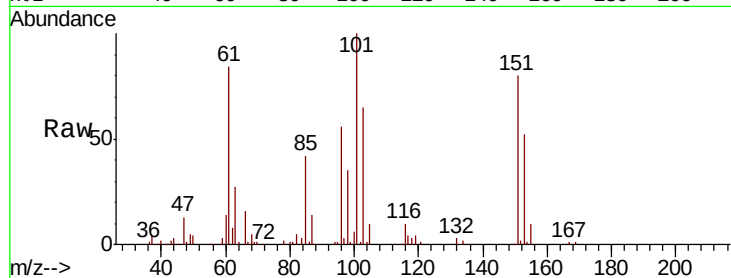
Tot Ion:101 Resp: 188232

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

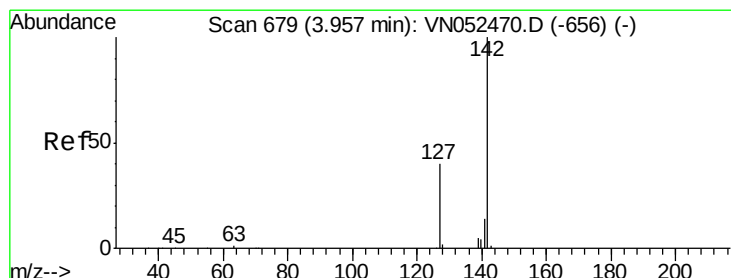
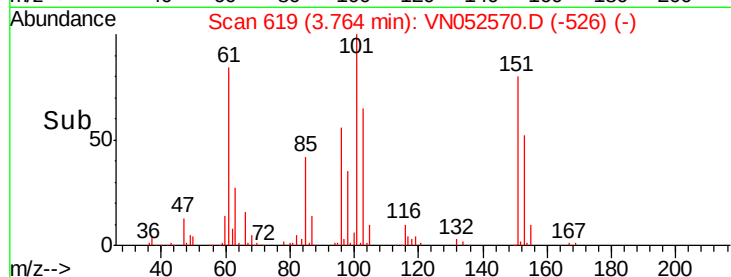
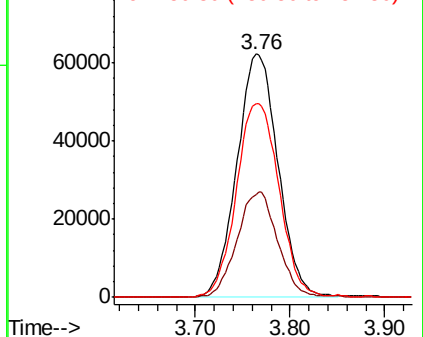
151 82.5 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.622 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

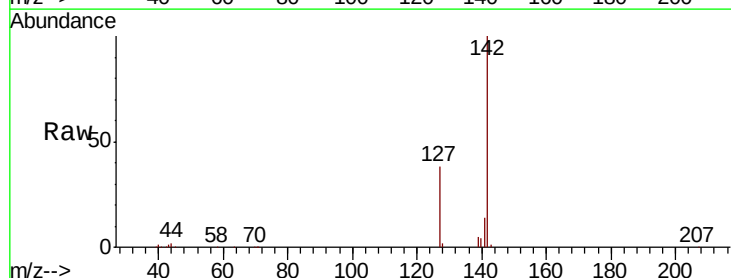
Tgt Ion:142 Resp: 260608

Ion Ratio Lower Upper

142 100

127 39.2 31.8 47.6

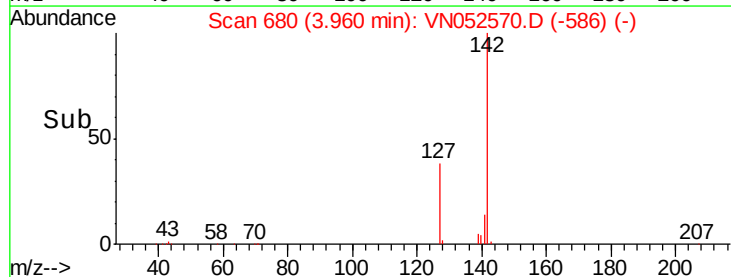
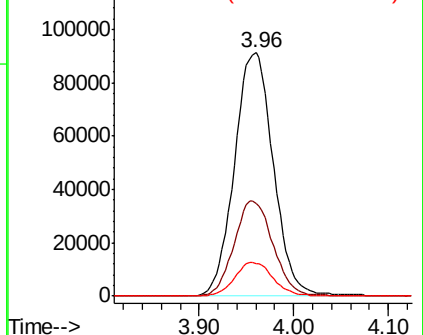
141 13.7 11.4 17.0

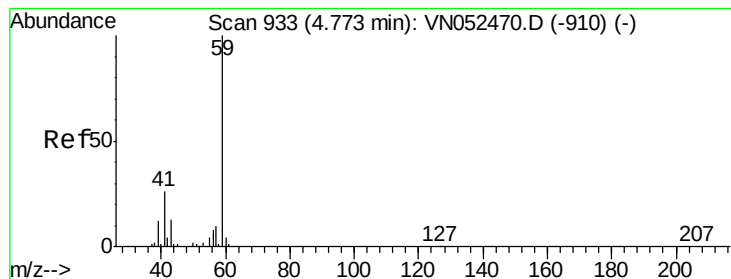


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



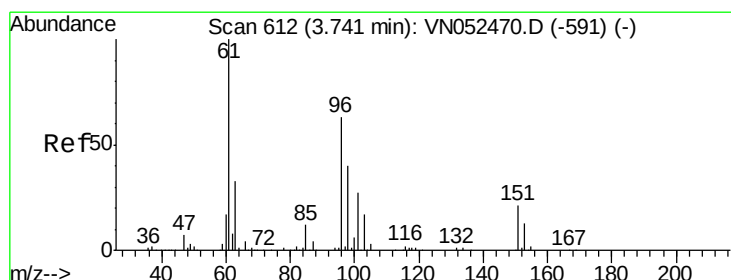
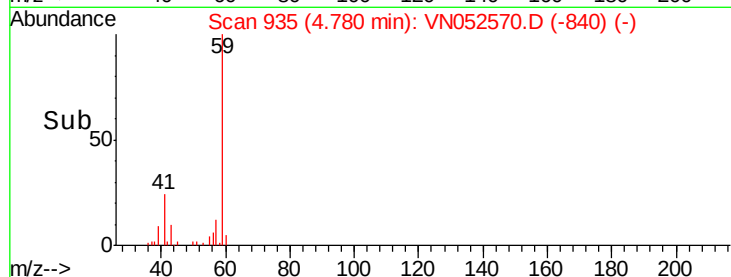
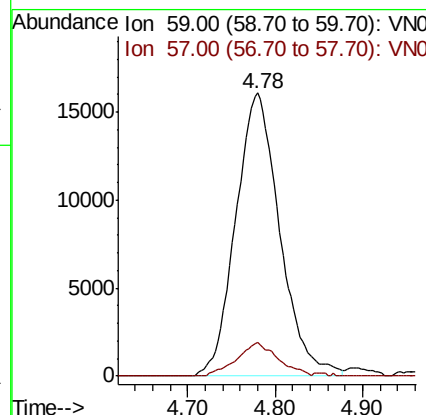
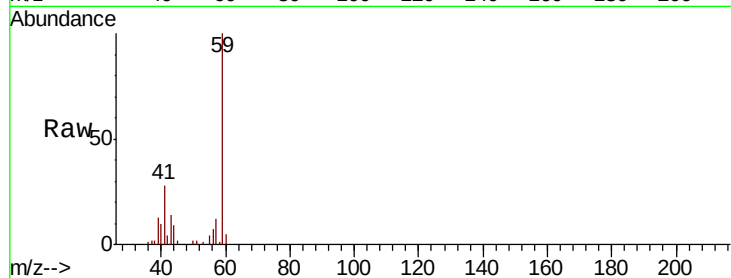


#11

Tert butyl alcohol
 Concen: 95.536 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

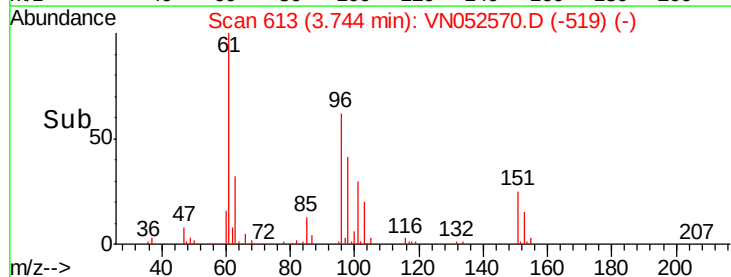
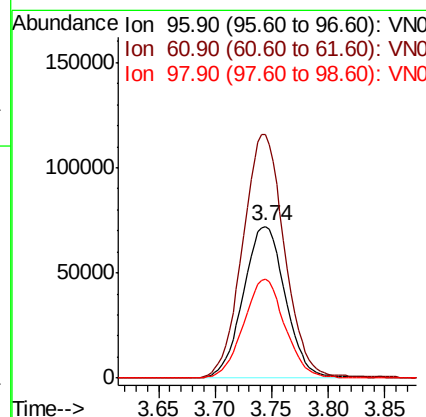
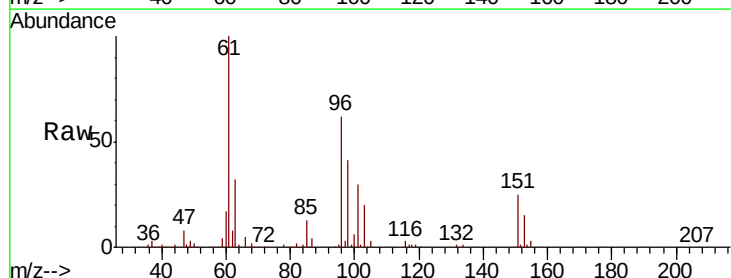
Tot Ion: 59 Resp: 56229
 Ion Ratio Lower Upper
 59 100
 57 11.1 7.9 11.9

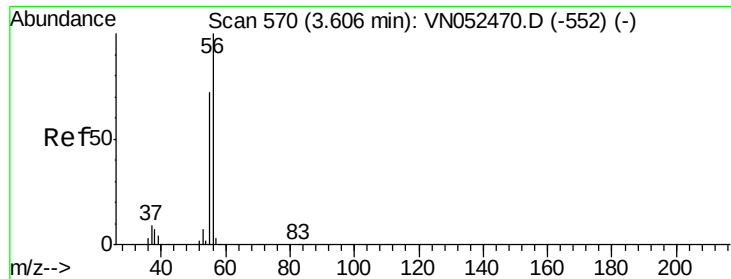


#12

1,1-Dichloroethene
 Concen: 18.459 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion: 96 Resp: 186706
 Ion Ratio Lower Upper
 96 100
 61 160.5 127.0 190.6
 98 65.4 50.3 75.5





#13

Acrolein

Concen: 95.737 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

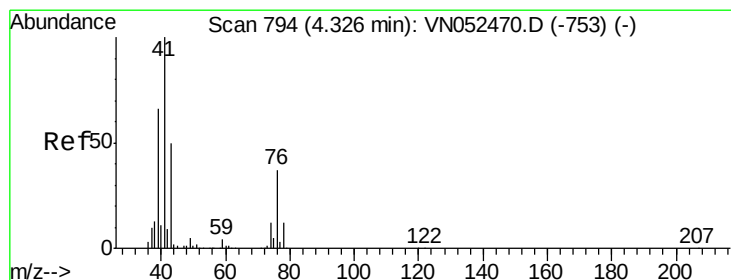
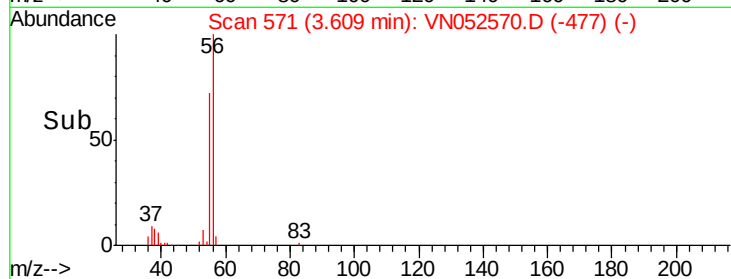
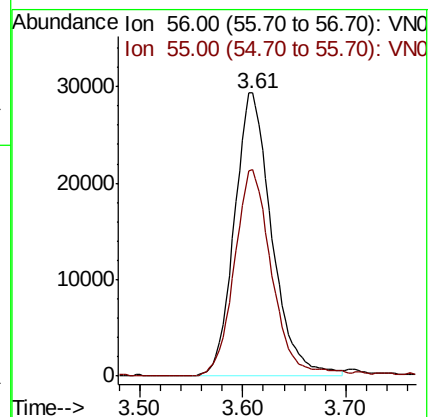
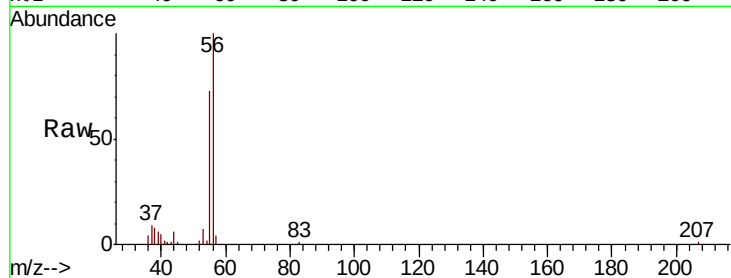
VN1129WBSD01

Tot Ion: 56 Resp: 74216

Ion Ratio Lower Upper

56 100

55 72.9 56.8 85.2



#14

Allyl chloride

Concen: 18.009 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

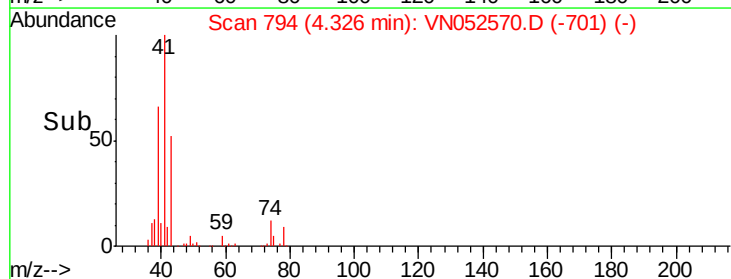
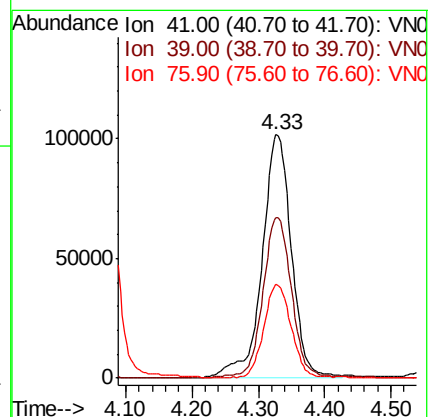
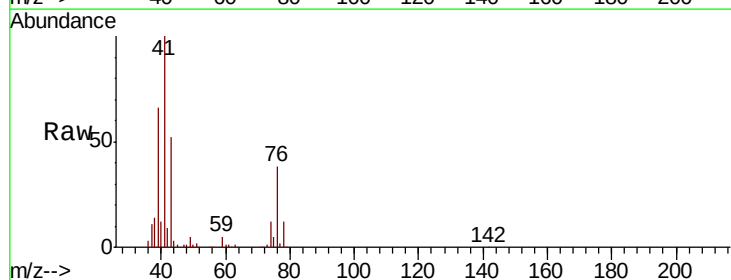
Tgt Ion: 41 Resp: 313935

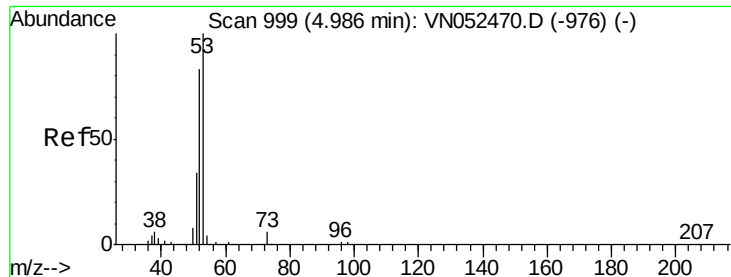
Ion Ratio Lower Upper

41 100

39 64.5 50.6 76.0

76 35.0 27.4 41.2





#15

Acrylonitrile

Concen: 88.578 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

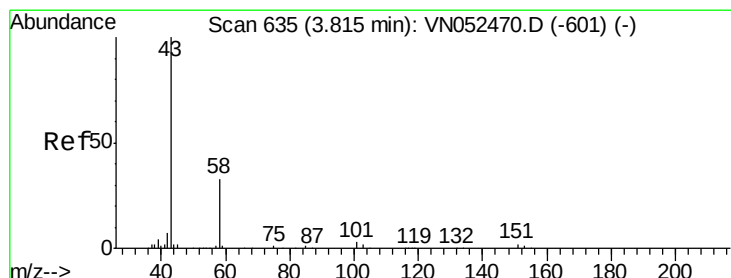
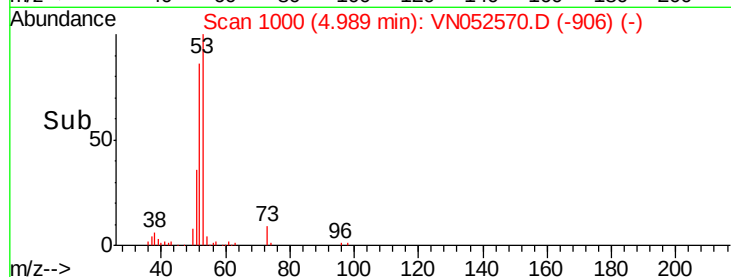
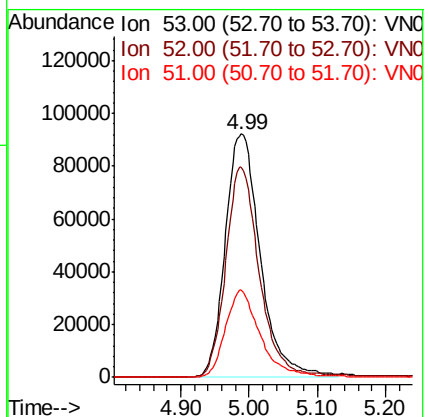
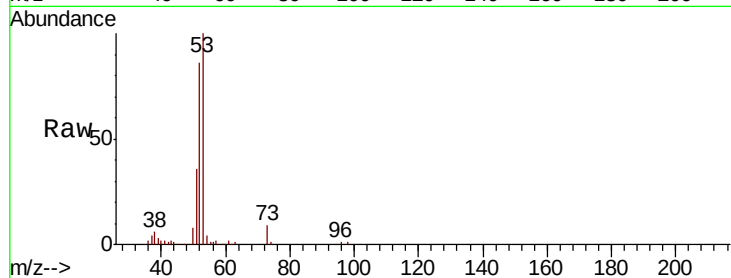
Tot Ion: 53 Resp: 330012

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.2

51 35.6 28.1 42.1



#16

Acetone

Concen: 71.990 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052570.D

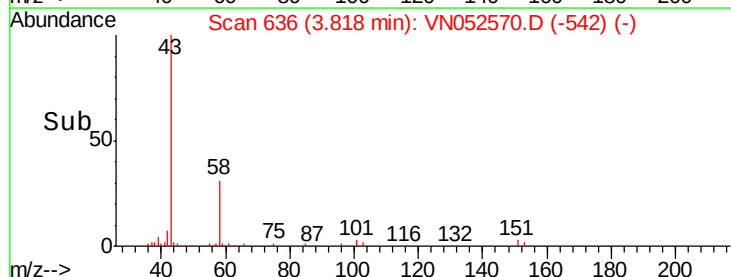
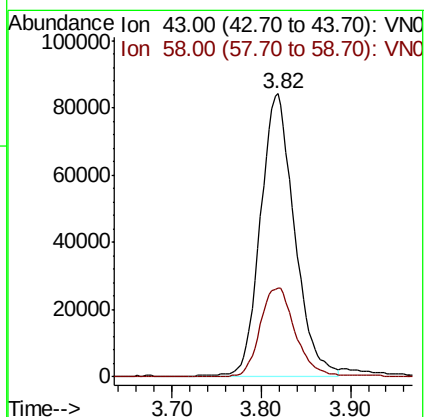
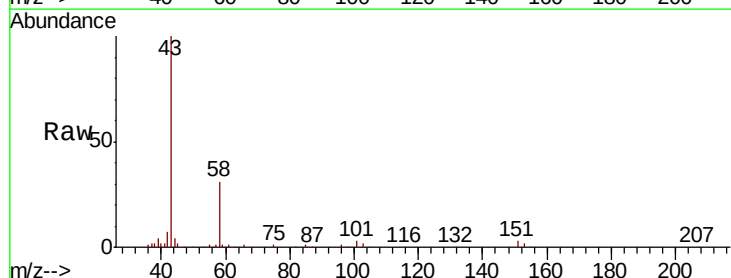
Acq: 29 Nov 2018 17:31

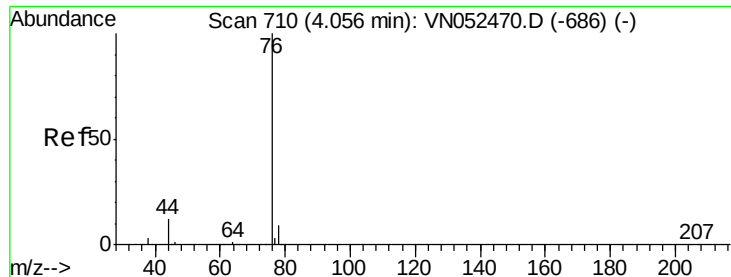
Tgt Ion: 43 Resp: 223233

Ion Ratio Lower Upper

43 100

58 31.3 26.0 39.0





#17

Carbon Disulfide

Concen: 16.544 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

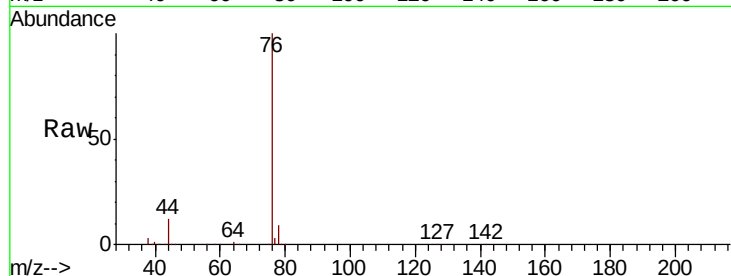
VN1129WBSD01

Tot Ion: 76 Resp: 526582

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

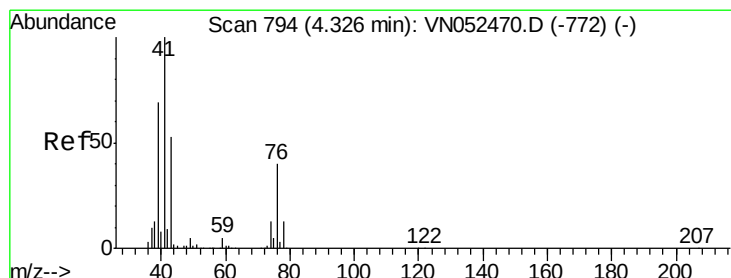
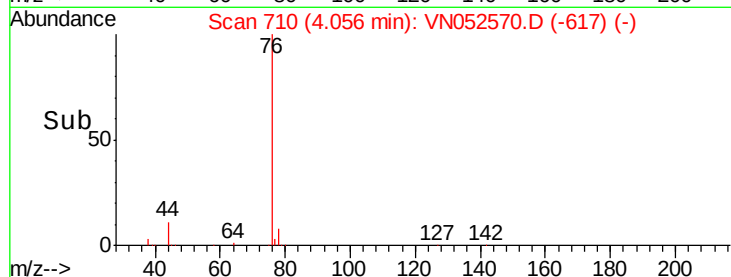
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.856 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052570.D

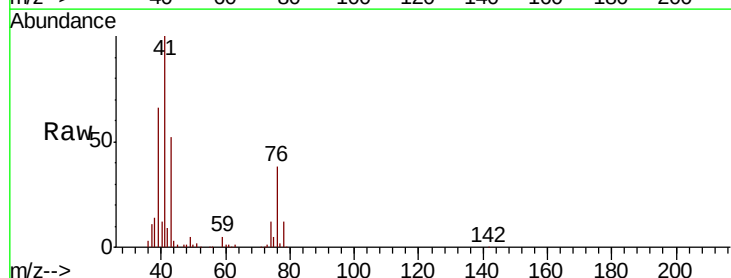
Acq: 29 Nov 2018 17:31

Tgt Ion: 43 Resp: 158825

Ion Ratio Lower Upper

43 100

74 23.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

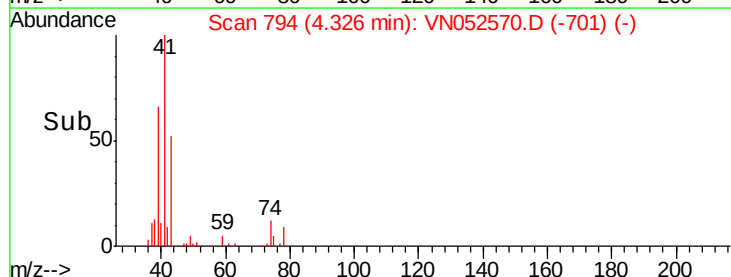
30000

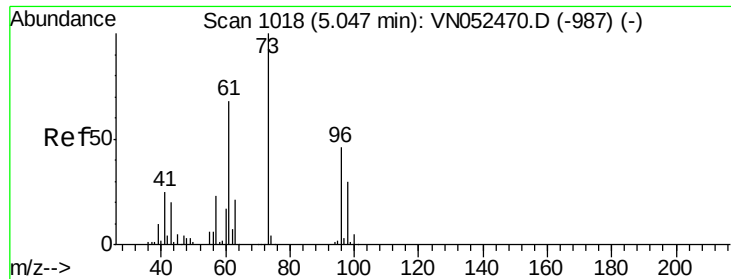
20000

10000

0

Time-->

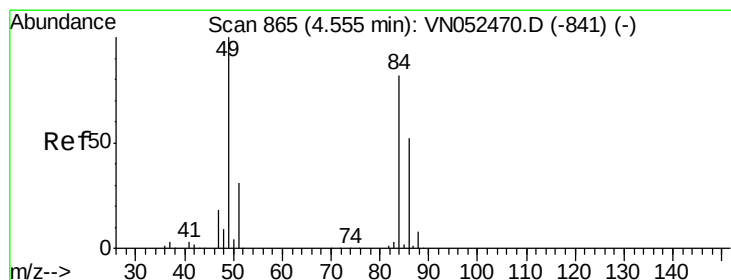
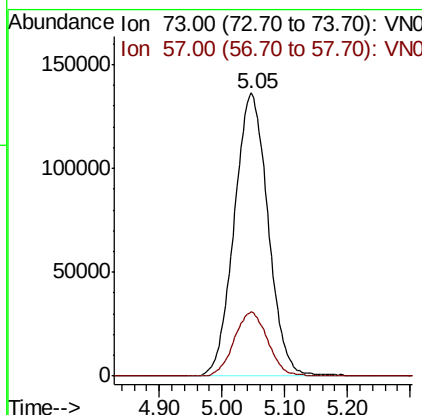
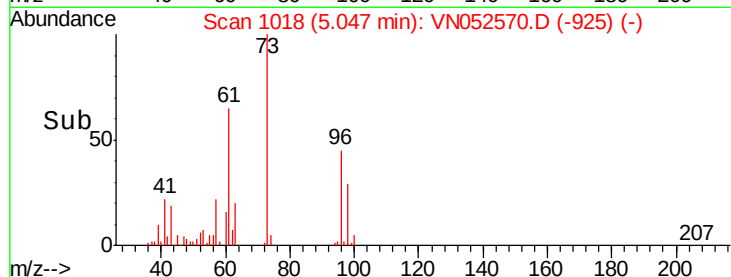
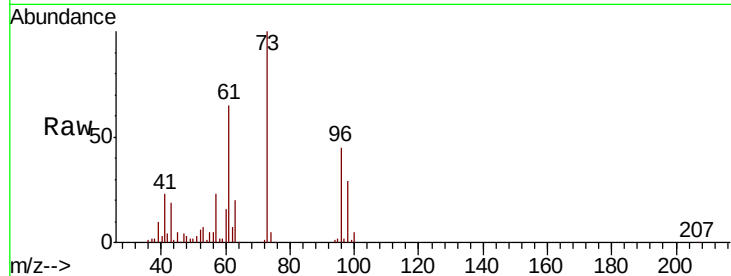




#19
Methyl tert-butyl Ether
Concen: 18.942 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

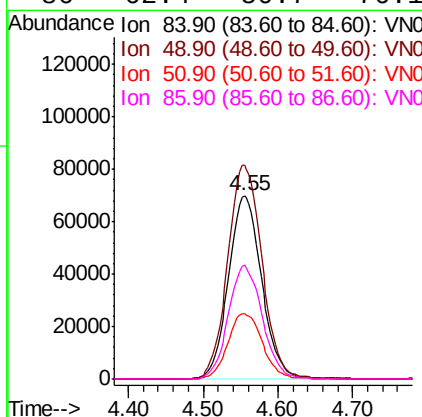
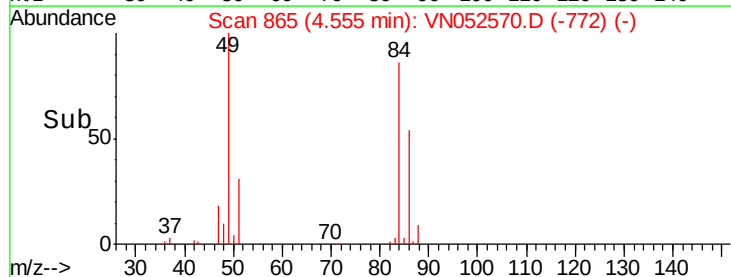
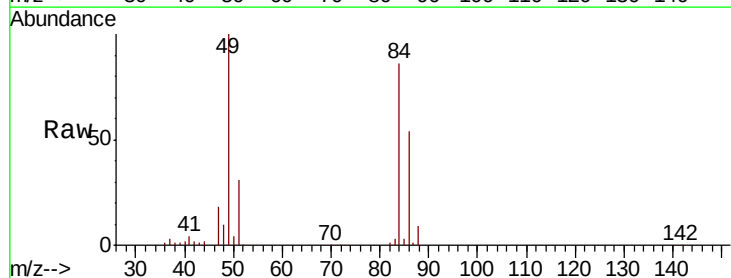
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

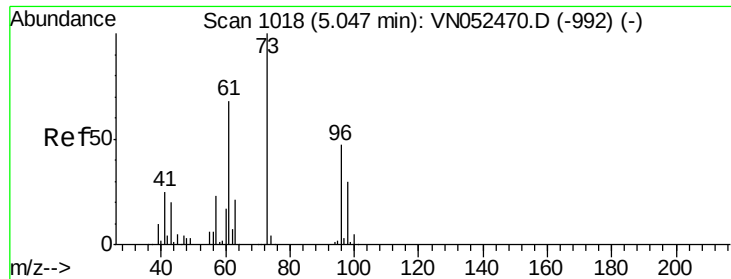
Tot Ion: 73 Resp: 509757
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2



#20
Methylene Chloride
Concen: 17.774 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 84 Resp: 215678
Ion Ratio Lower Upper
84 100
49 116.3 98.0 147.0
51 35.6 30.1 45.1
86 62.4 50.7 76.1

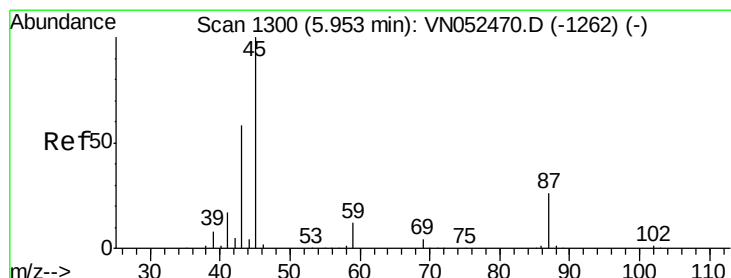
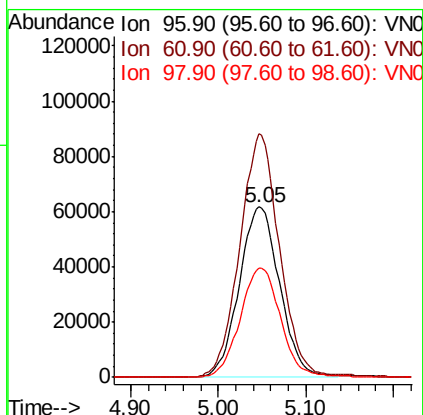
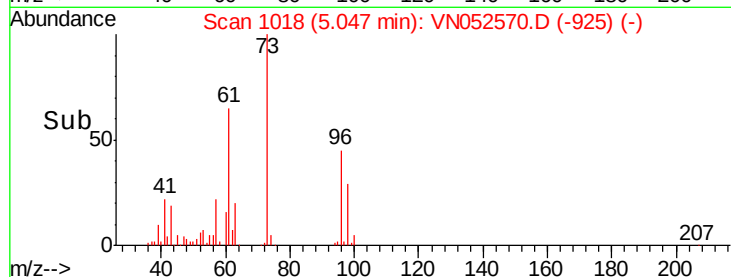
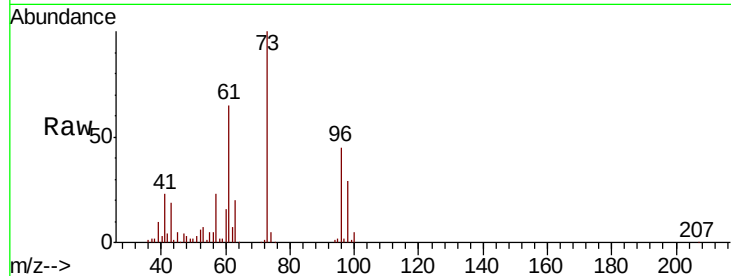




#21
trans-1,2-Dichloroethene
Concen: 18.361 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

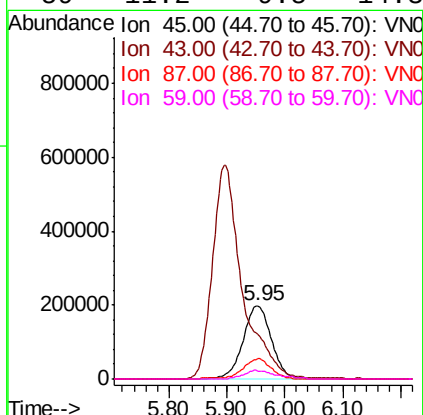
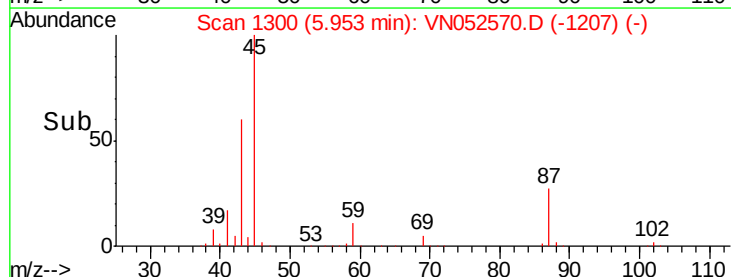
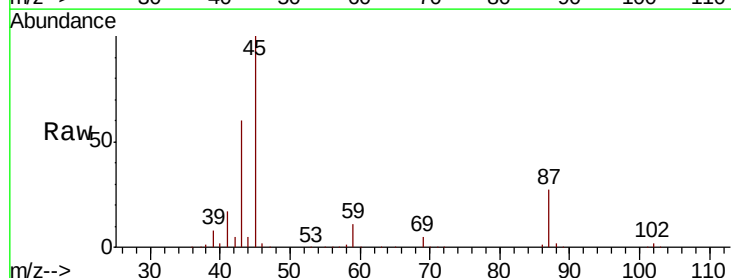
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

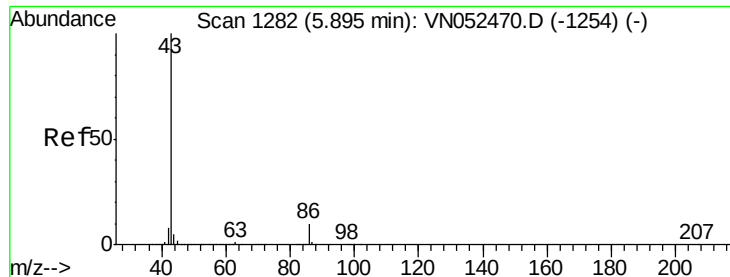
Tot Ion: 96 Resp: 198345
Ion Ratio Lower Upper
96 100
61 143.1 117.0 175.4
98 63.9 51.8 77.6



#22
Diisopropyl ether
Concen: 18.459 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 45 Resp: 675907
Ion Ratio Lower Upper
45 100
43 59.3 46.1 69.1
87 27.2 21.3 31.9
59 11.2 9.5 14.3





#23

Vinyl Acetate

Concen: 90.264 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

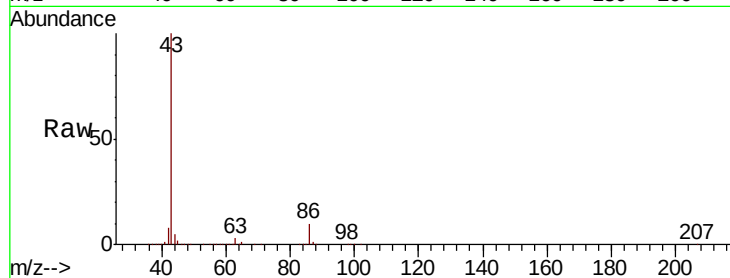
VN1129WBSD01

Tot Ion: 43 Resp: 2058650

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

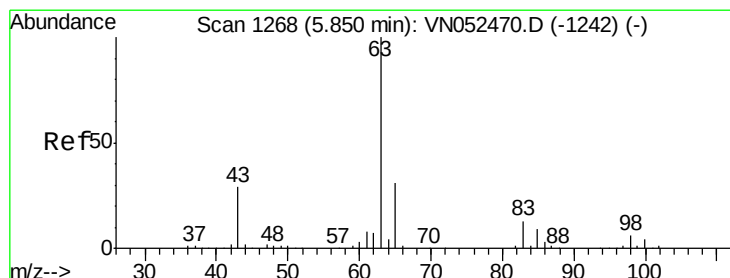
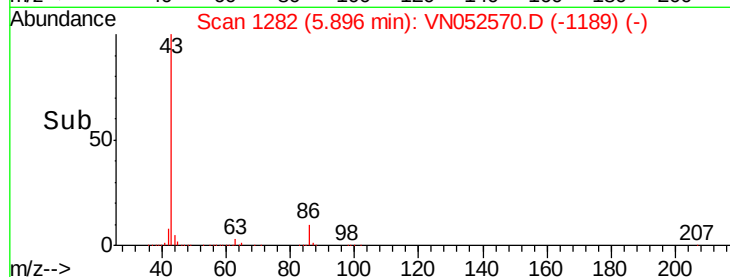
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.402 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

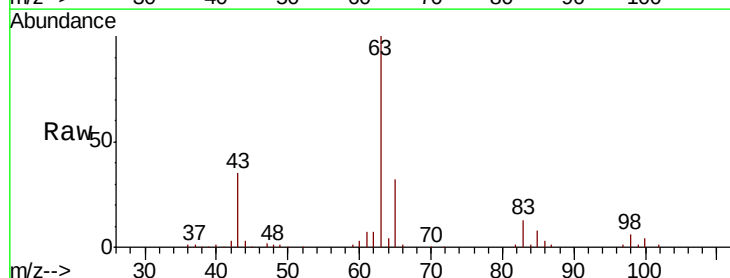
Tgt Ion: 63 Resp: 384723

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.3 2.0 5.8



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

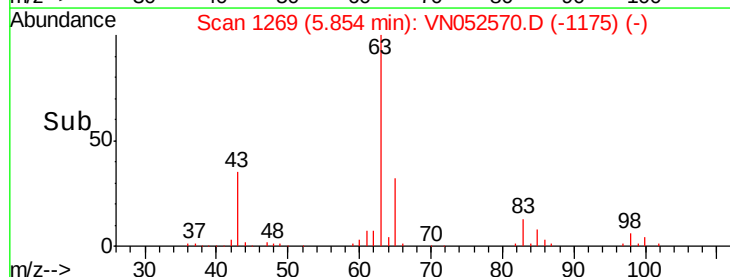
150000

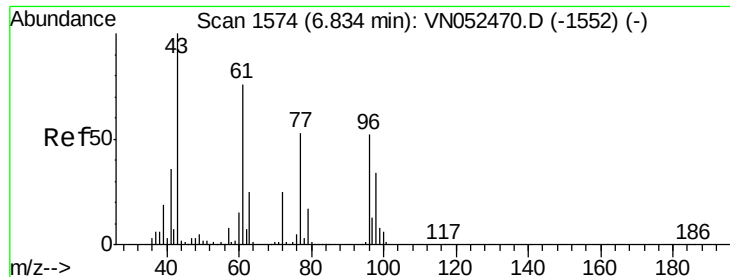
100000

50000

0

Time-->





#25

2-Butanone

Concen: 81.265 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampled :

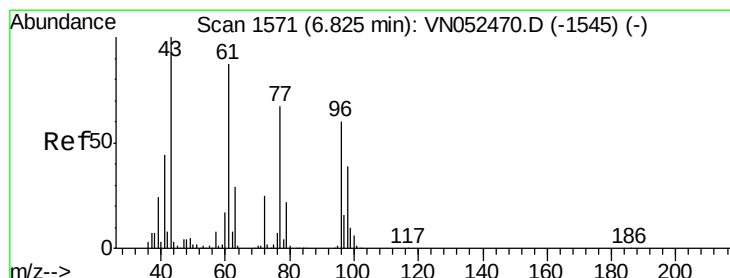
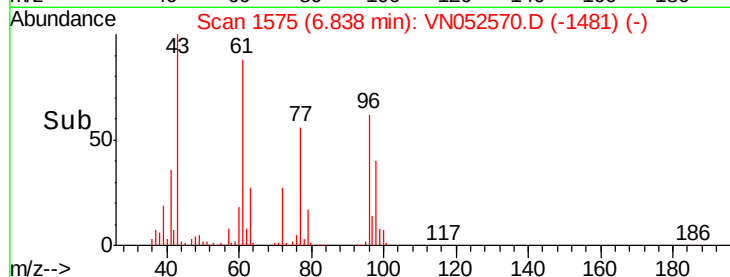
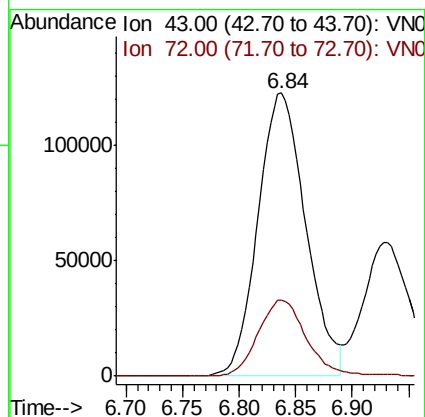
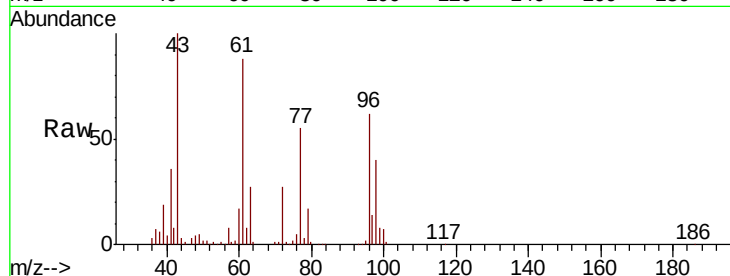
VN1129WBSD01

Tot Ion: 43 Resp: 357175

Ion Ratio Lower Upper

43 100

72 27.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 17.027 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052570.D

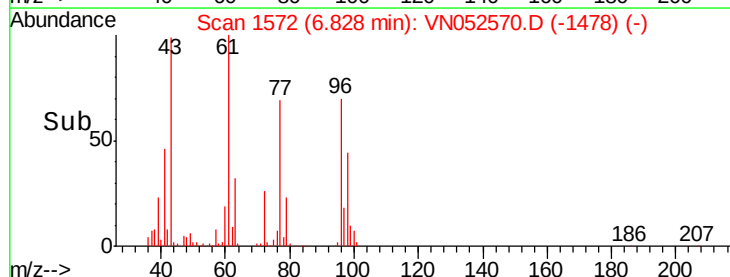
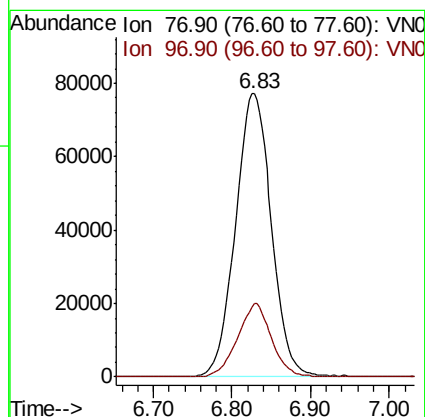
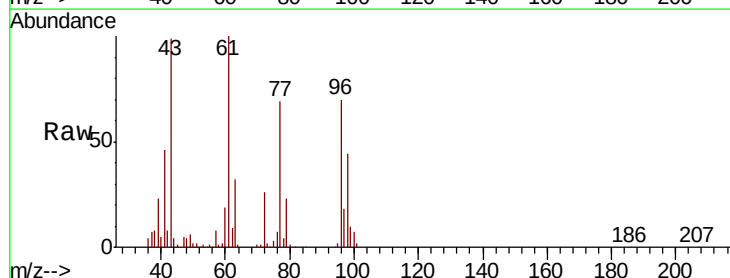
Acq: 29 Nov 2018 17:31

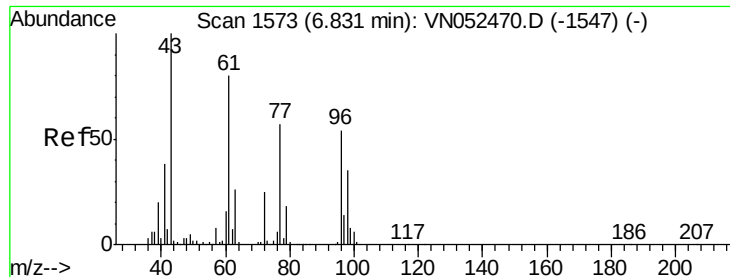
Tgt Ion: 77 Resp: 246405

Ion Ratio Lower Upper

77 100

97 24.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.561 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampled :

VN1129WBSD01

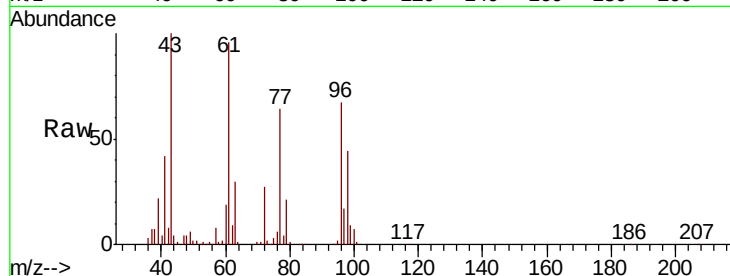
Tot Ion: 96 Resp: 233565

Ion Ratio Lower Upper

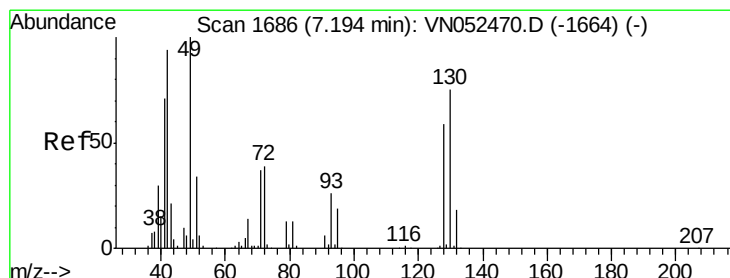
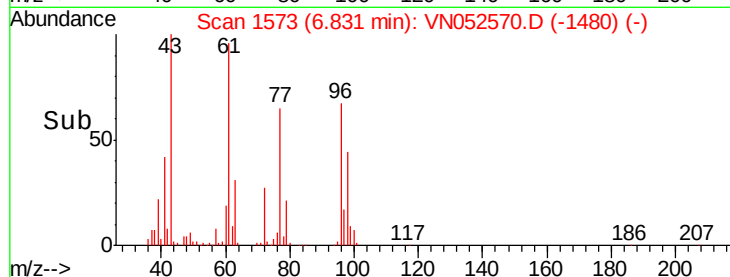
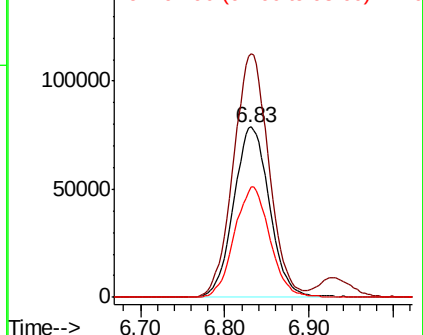
96 100

61 141.2 0.0 291.0

98 64.1 0.0 130.0



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



#28

Bromochloromethane

Concen: 18.462 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

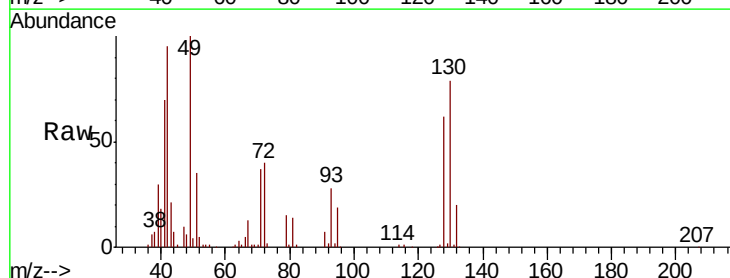
Tgt Ion: 49 Resp: 176294

Ion Ratio Lower Upper

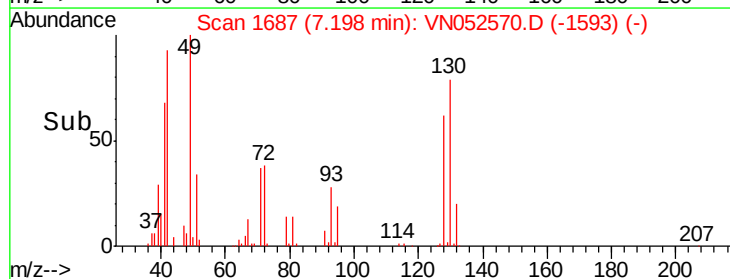
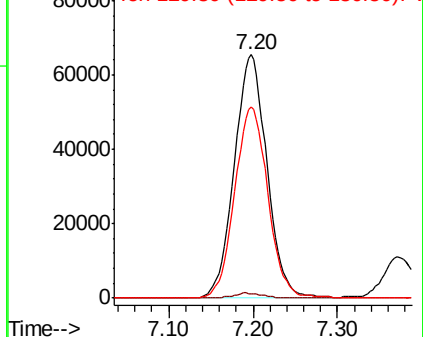
49 100

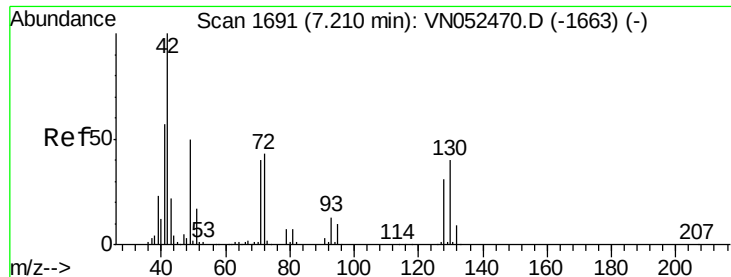
129 1.8 0.0 3.8

130 79.9 60.2 90.2



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

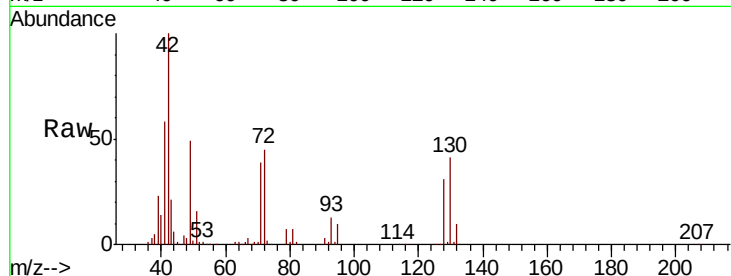




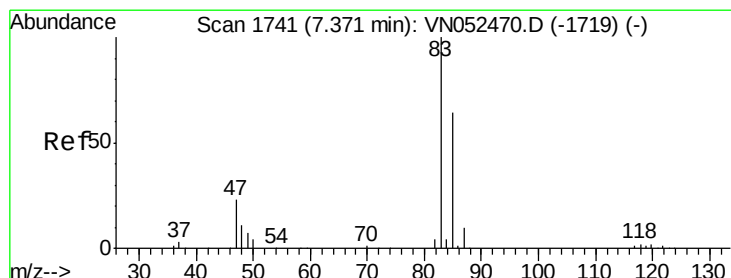
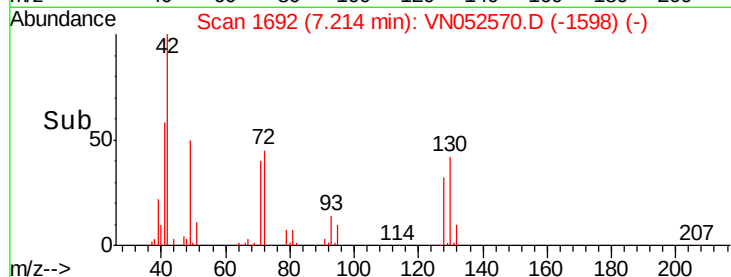
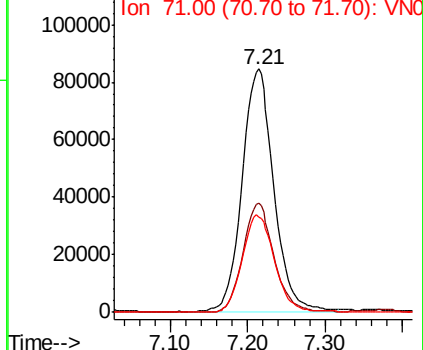
#29
Tetrahydrofuran
Concen: 85.715 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

Tot Ion: 42 Resp: 242993
Ion Ratio Lower Upper
42 100
72 43.5 33.3 49.9
71 40.2 32.0 48.0

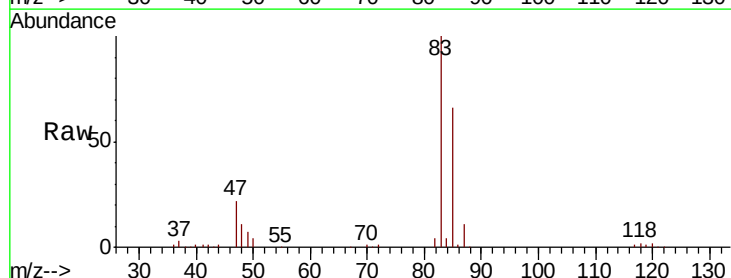


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

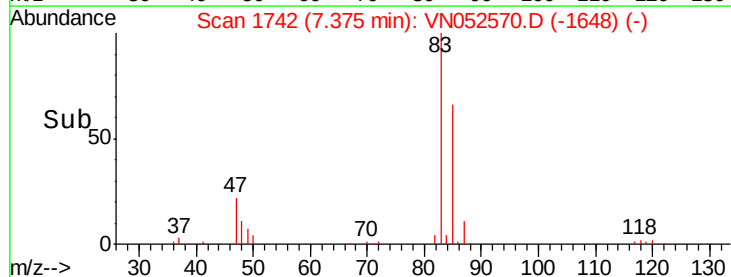
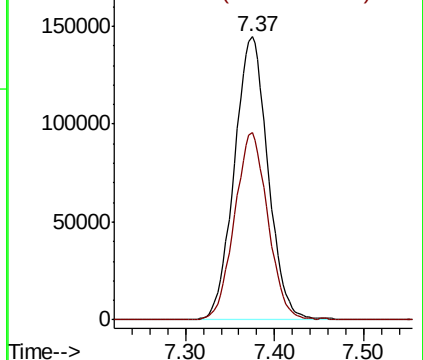


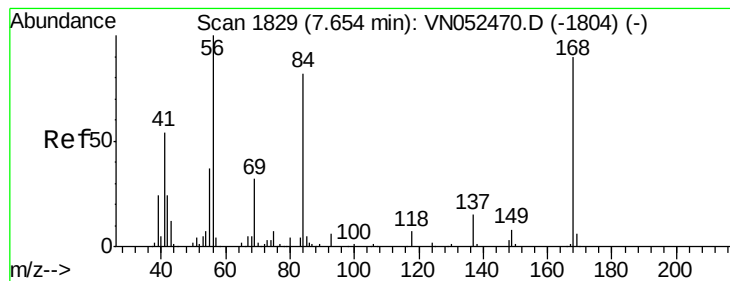
#30
Chloroform
Concen: 18.116 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 83 Resp: 377885
Ion Ratio Lower Upper
83 100
85 66.0 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.718 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

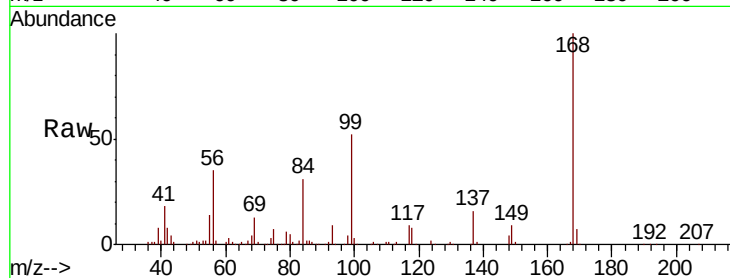
Tot Ion: 56 Resp: 363303

Ion Ratio Lower Upper

56 100

69 37.6 25.8 38.6

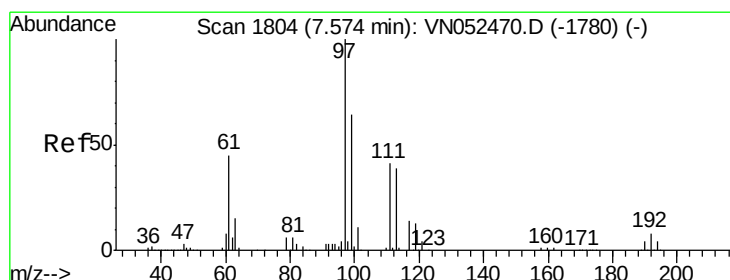
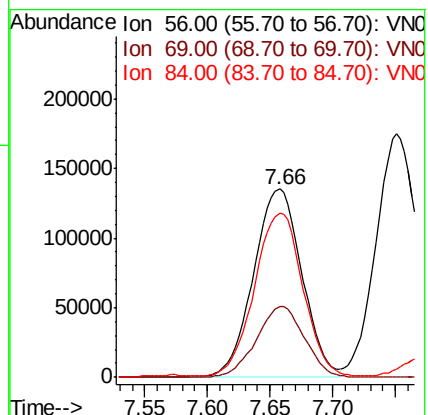
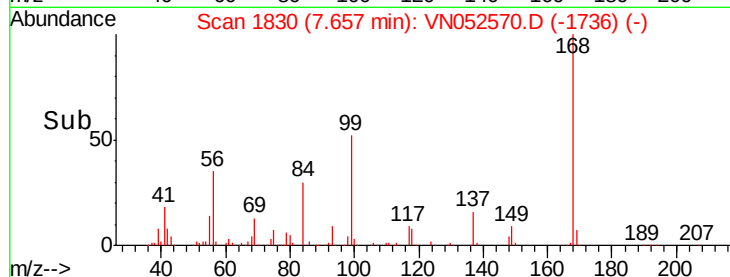
84 86.1 65.3 97.9



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: 18.758 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

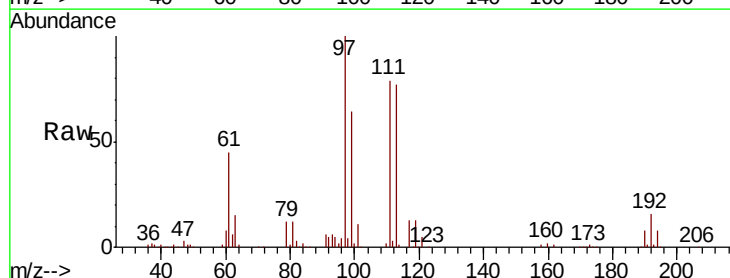
Tgt Ion: 97 Resp: 310007

Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

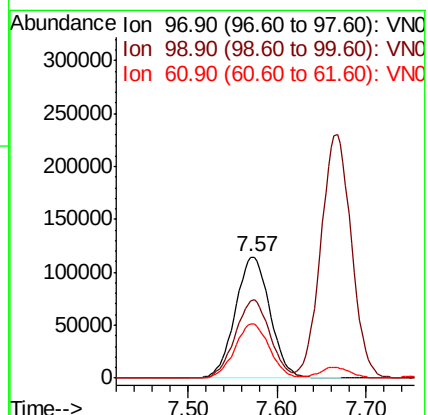
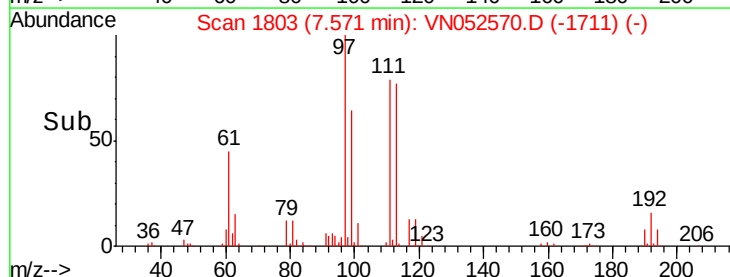
61 44.5 36.8 55.2

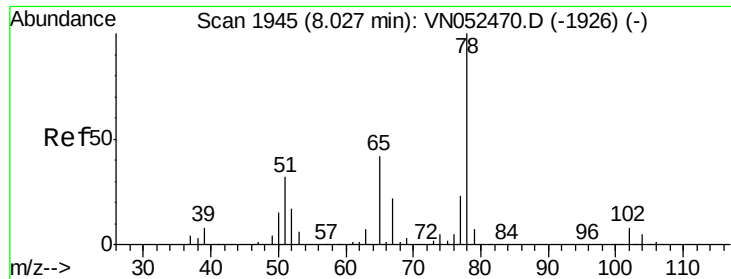


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

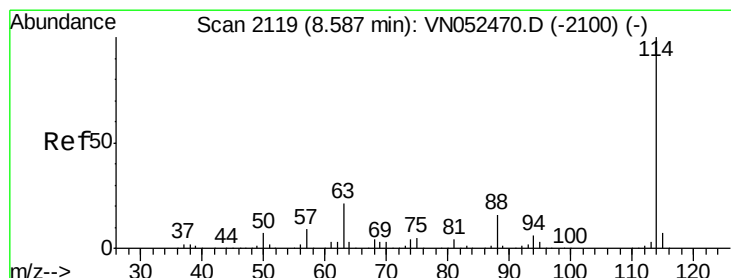
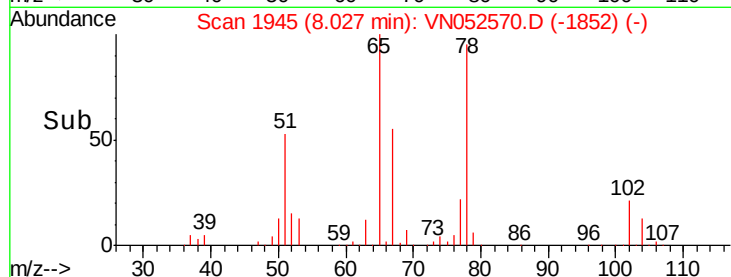
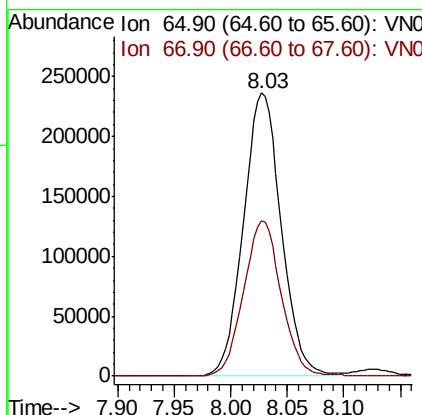
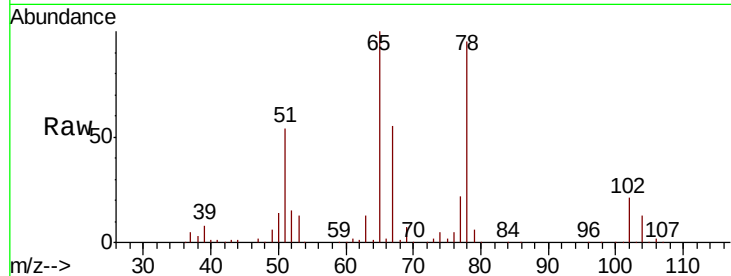




#33
 1,2-Dichloroethane-d4
 Concen: 18.758 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

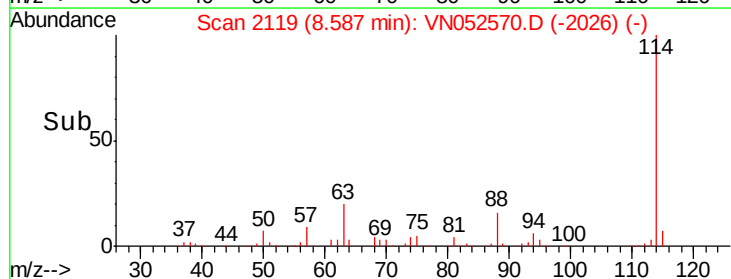
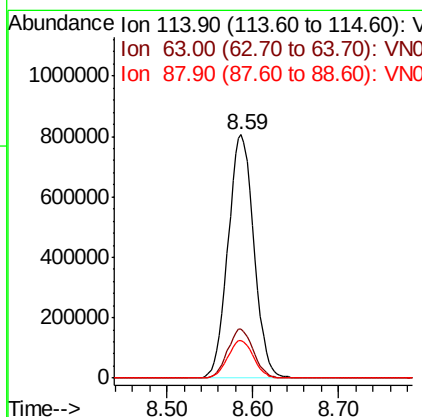
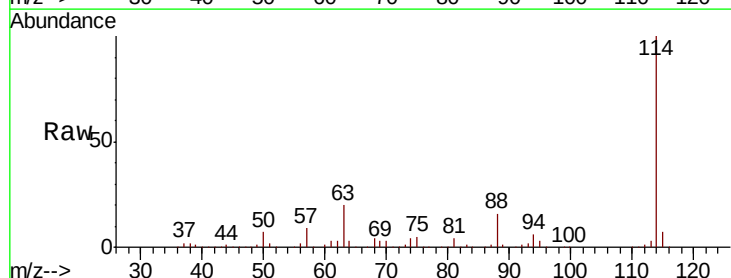
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

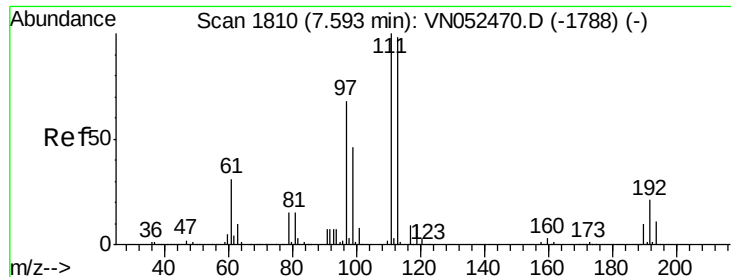
Tot Ion: 65 Resp: 548891
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion: 114 Resp: 1675786
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.6 0.0 31.6

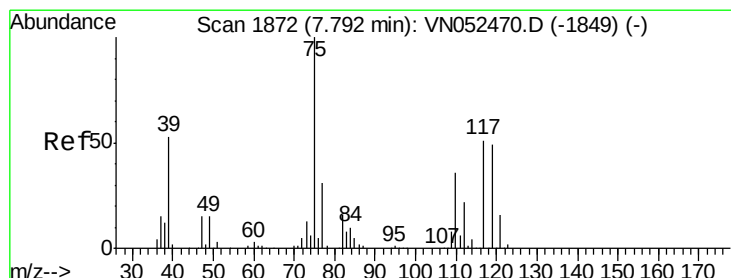
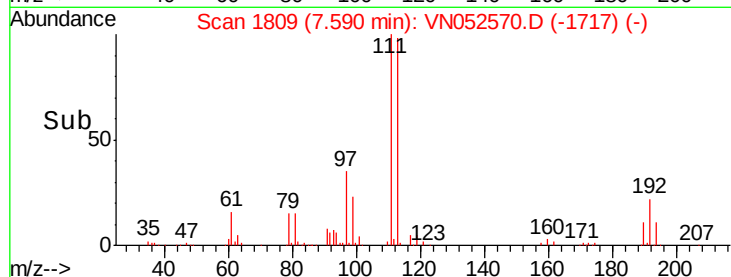
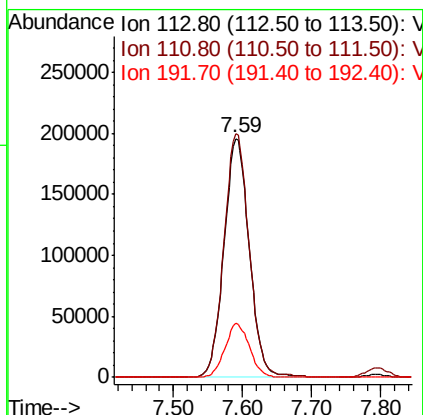
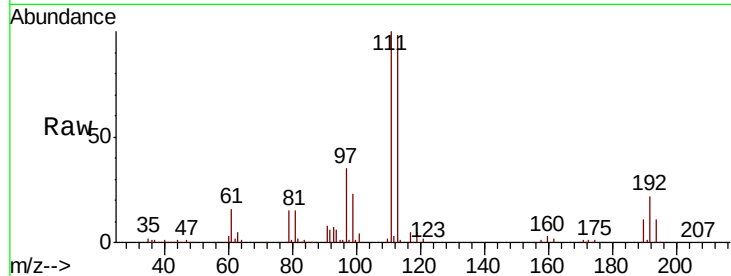




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

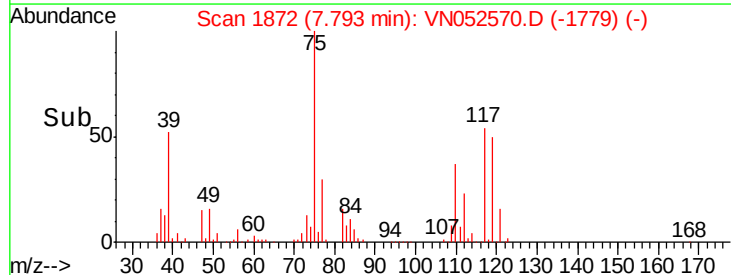
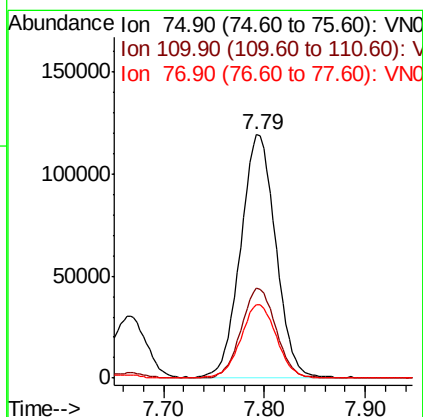
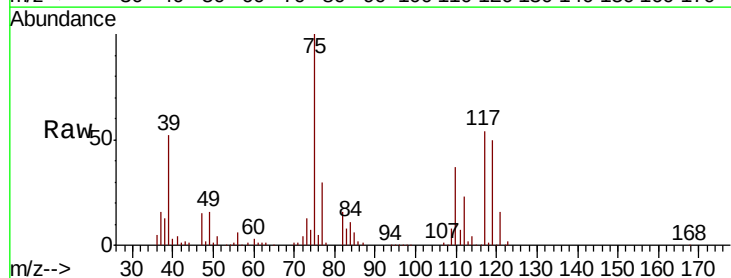
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

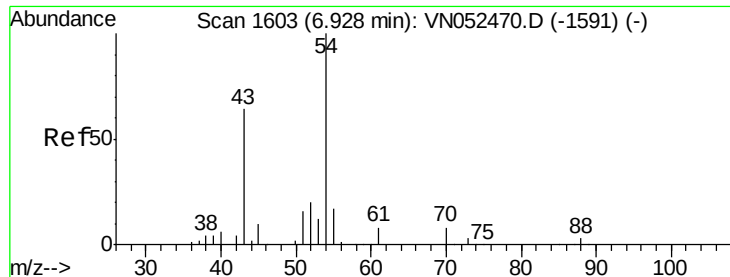
Tot Ion:113 Resp: 499774
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 18.082 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 75 Resp: 286151
Ion Ratio Lower Upper
75 100
110 36.8 17.5 52.6
77 31.0 24.5 36.7

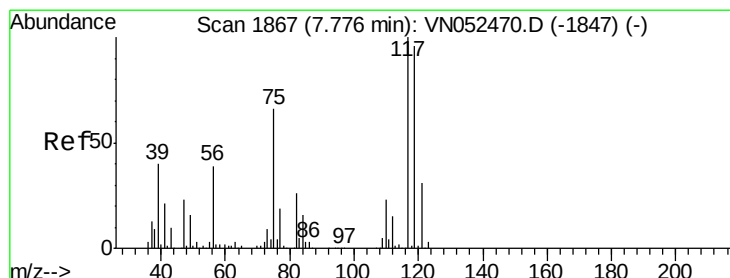
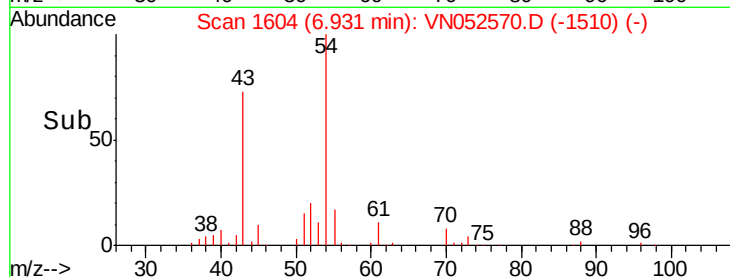
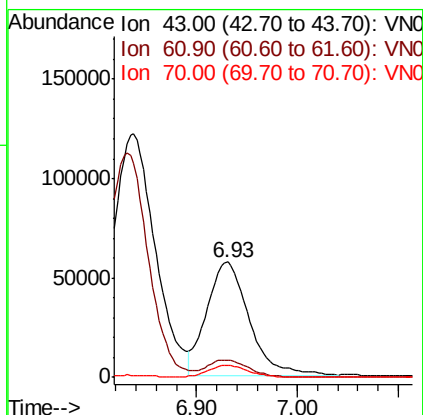
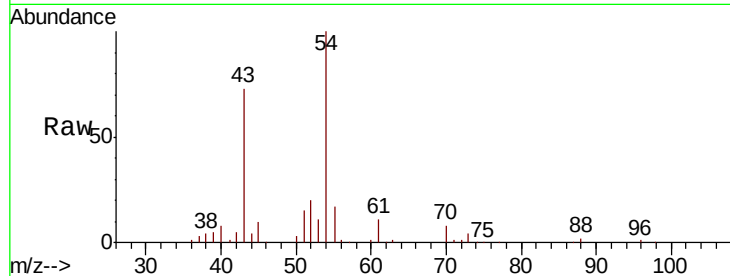




#37
Ethyl Acetate
Concen: 17.309 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

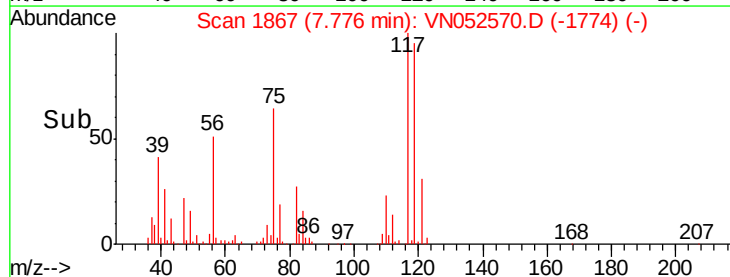
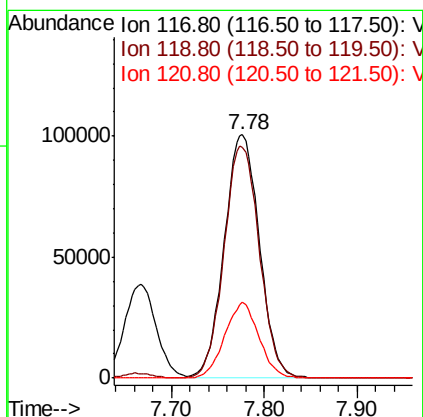
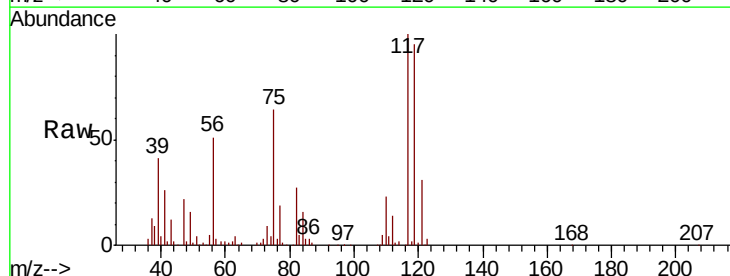
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

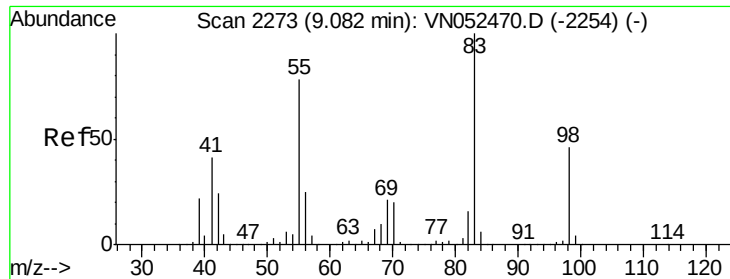
Tot Ion: 43 Resp: 167171
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 10.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.541 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 117 Resp: 265620
Ion Ratio Lower Upper
117 100
119 95.0 76.8 115.2
121 31.1 24.9 37.3

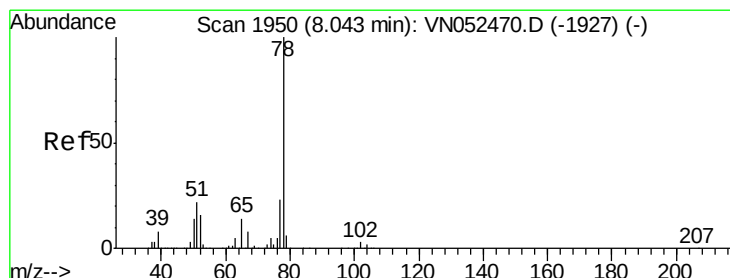
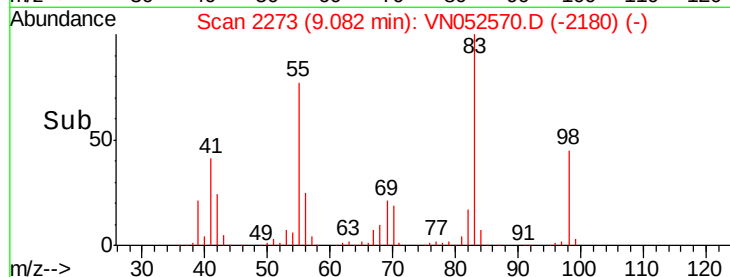
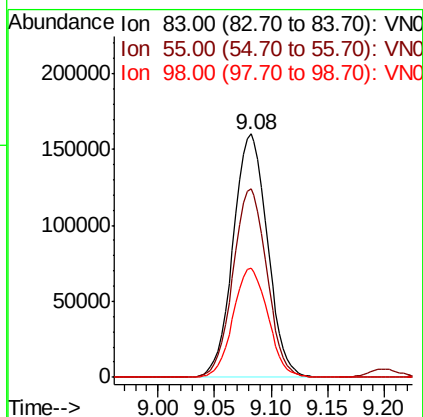
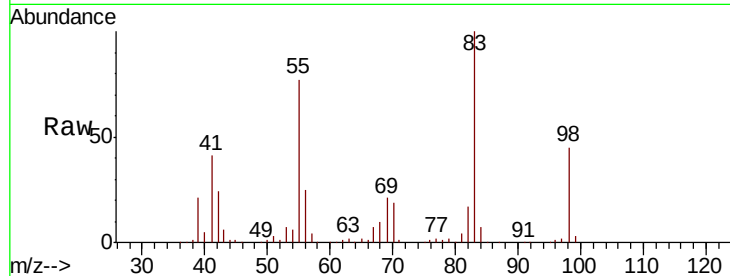




#39
Methylvlcyclohexane
Concen: 17.588 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

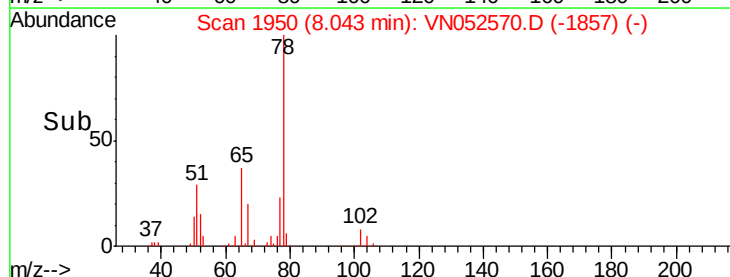
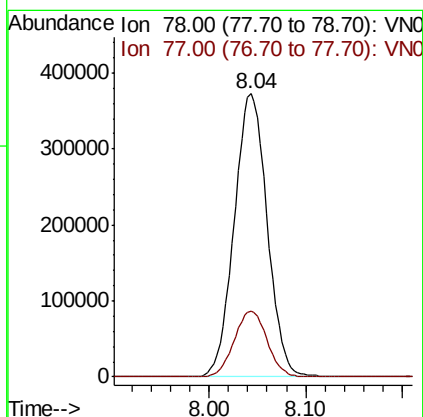
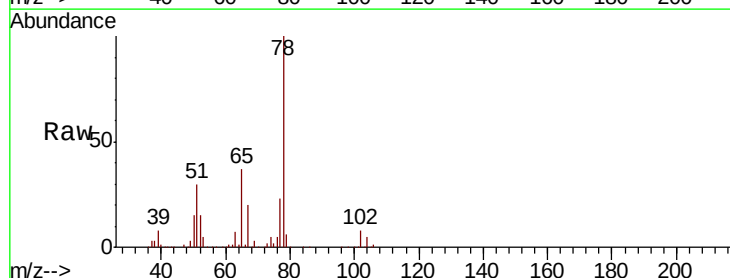
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

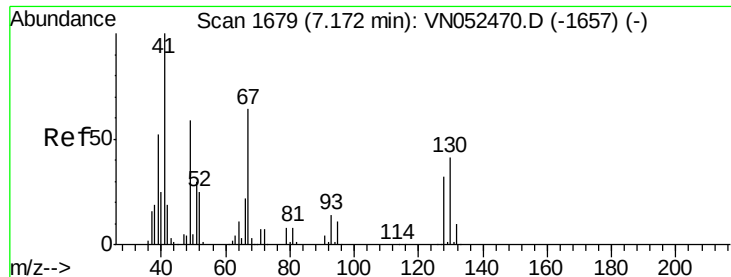
Tot Ion: 83 Resp: 338295
Ion Ratio Lower Upper
83 100
55 77.3 62.2 93.2
98 44.9 36.4 54.6



#40
Benzene
Concen: 18.706 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 78 Resp: 882199
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

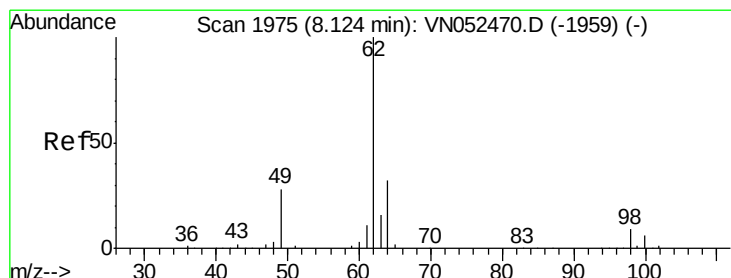
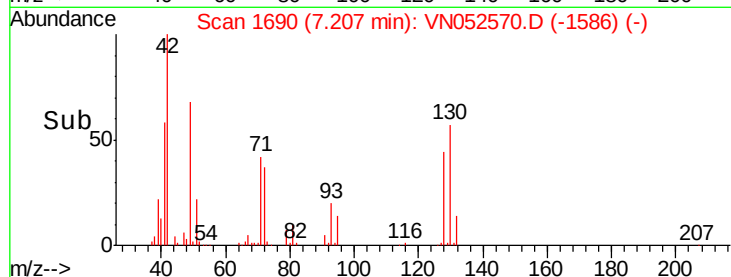
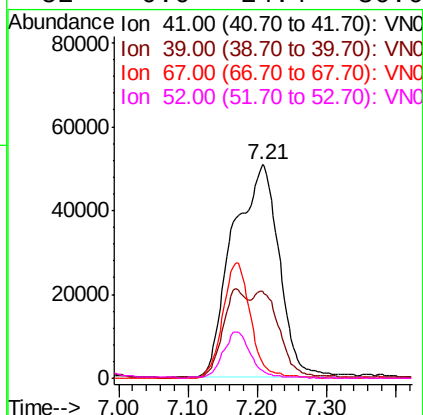
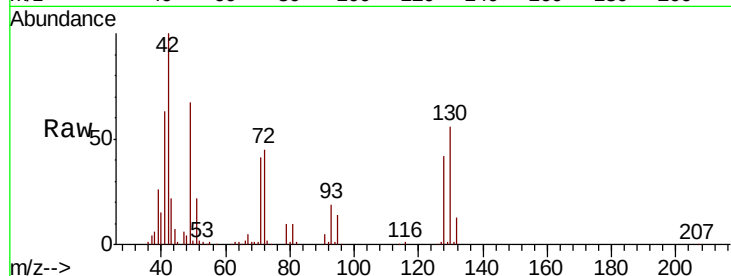




#41
Methacrylonitrile
Concen: 44.785 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

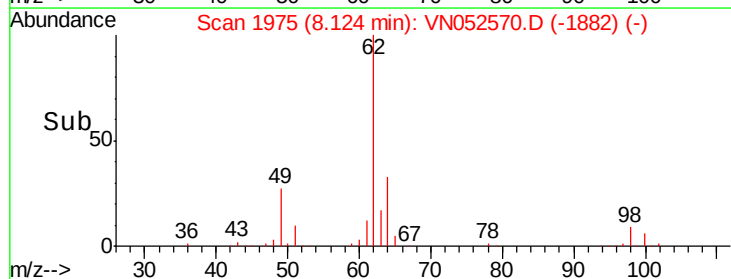
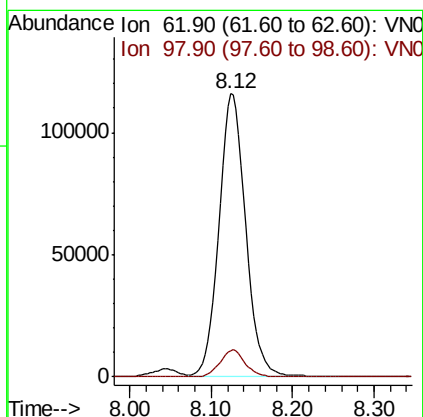
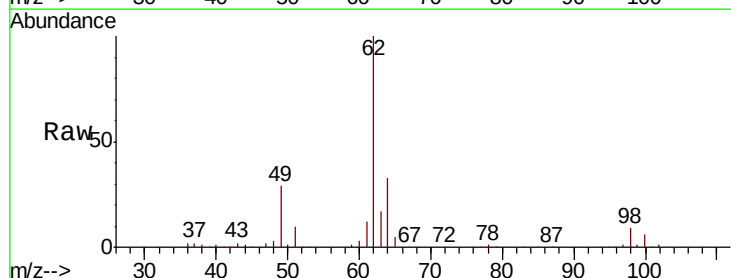
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

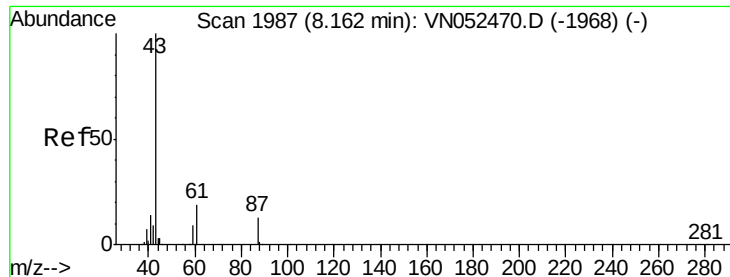
Tot Ion: 41 Resp: 236468
Ion Ratio Lower Upper
41 100
39 0.0 50.9 76.3#
67 0.0 63.6 95.4#
52 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 18.750 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 62 Resp: 267751
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 18.969 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampled :

VN1129WBSD01

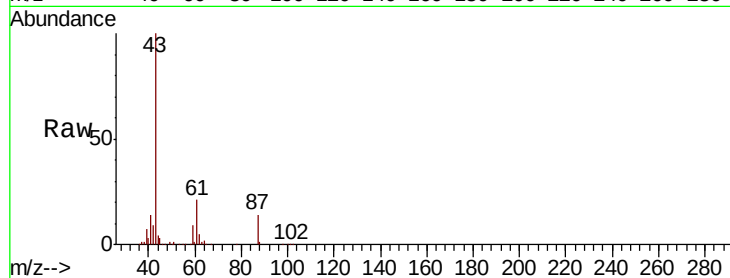
Tot Ion: 43 Resp: 310025

Ion Ratio Lower Upper

43 100

61 20.0 24.1 36.1#

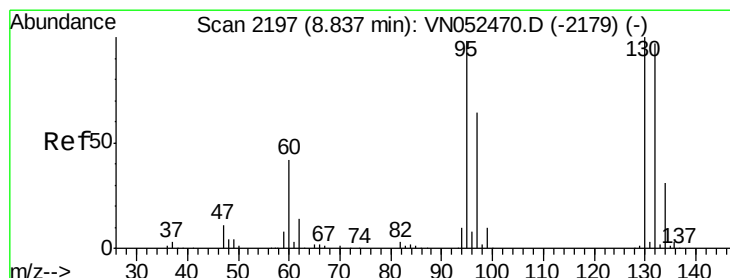
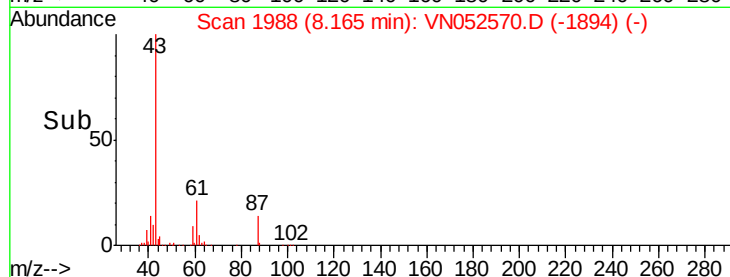
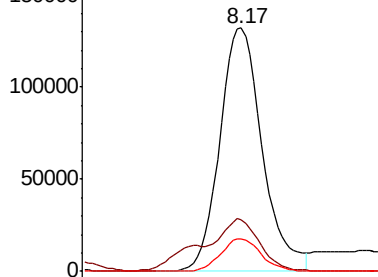
87 12.8 10.6 15.8



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: 18.873 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052570.D

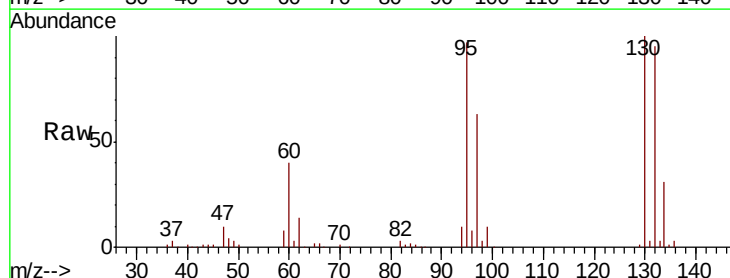
Acq: 29 Nov 2018 17:31

Tgt Ion:130 Resp: 227990

Ion Ratio Lower Upper

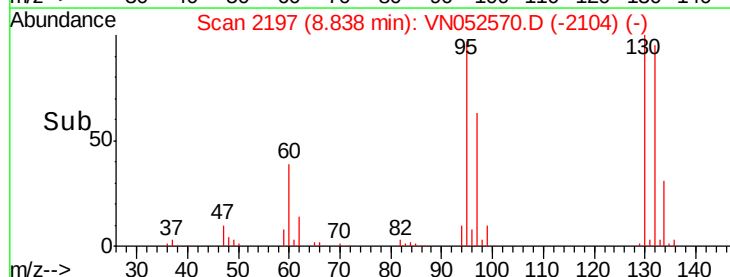
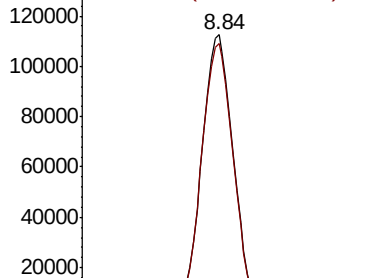
130 100

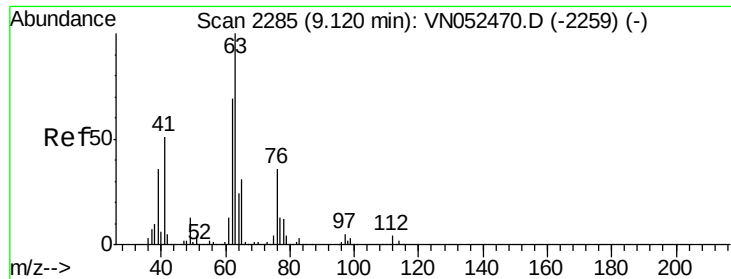
95 97.1 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

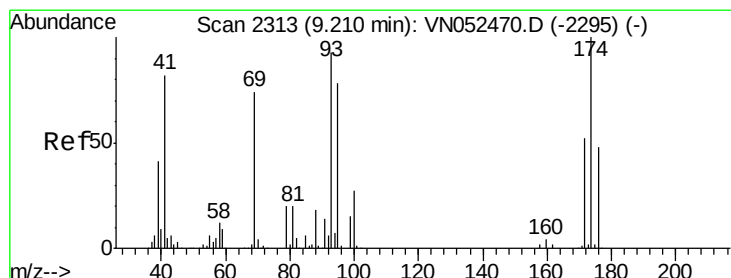
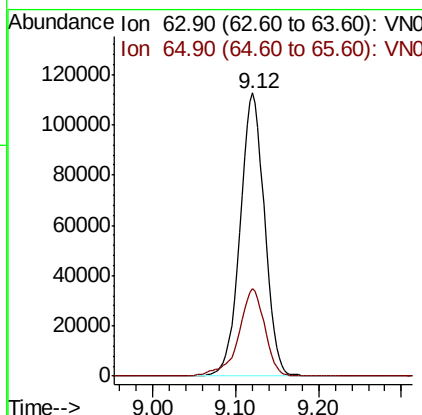
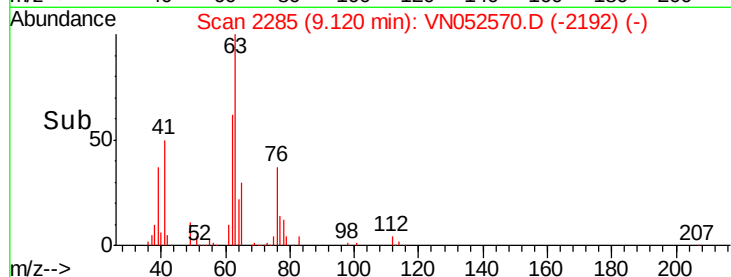
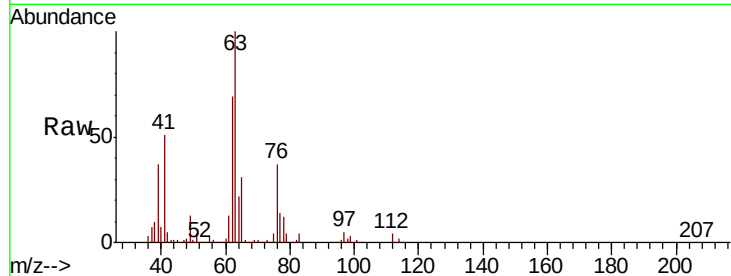




#45
 1,2-Dichloropropane
 Concen: 18.431 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

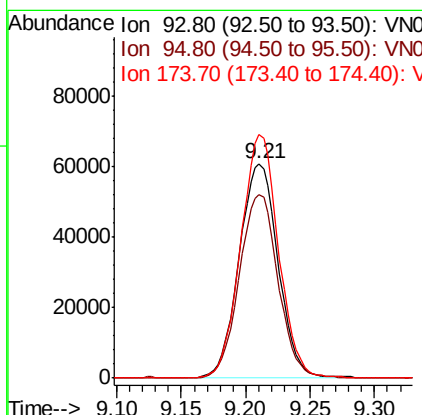
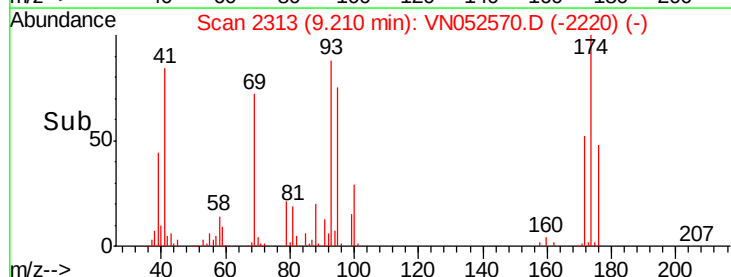
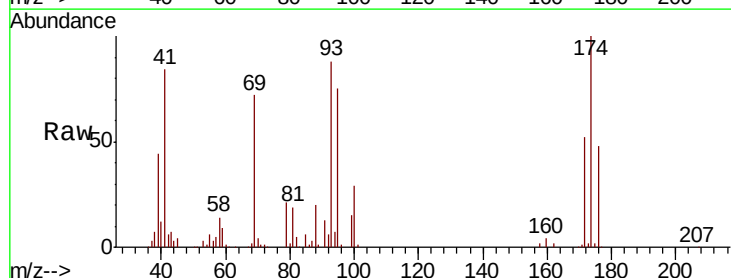
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

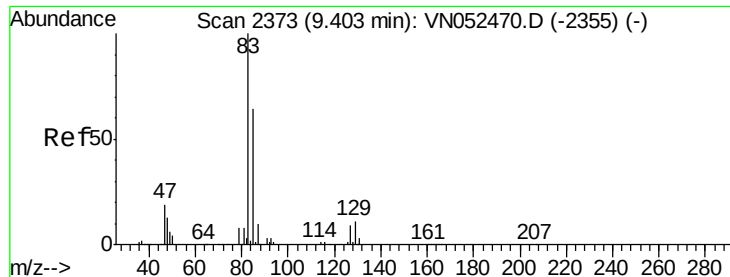
Tot Ion: 63 Resp: 231100
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 18.464 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion: 93 Resp: 128163
 Ion Ratio Lower Upper
 93 100
 95 85.4 67.1 100.7
 174 110.3 85.8 128.8





#47

Bromodichloromethane

Concen: 18.334 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

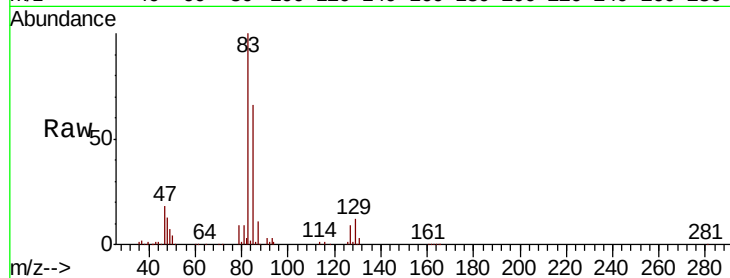
Tot Ion: 83 Resp: 276674

Ion Ratio Lower Upper

83 100

85 66.5 51.3 76.9

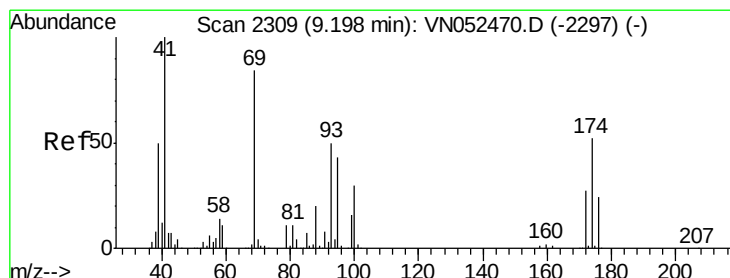
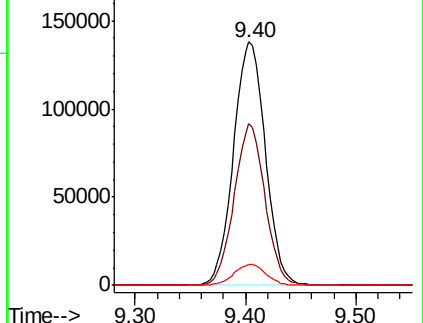
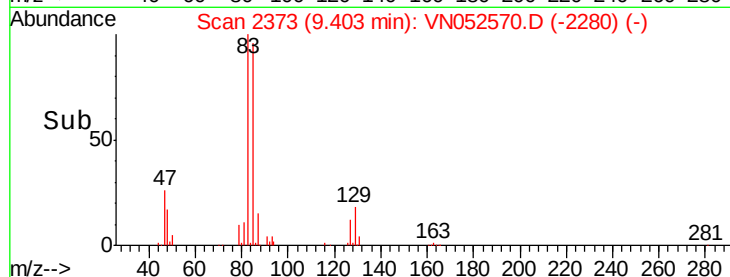
127 8.5 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052570.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052570.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052570.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.742 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

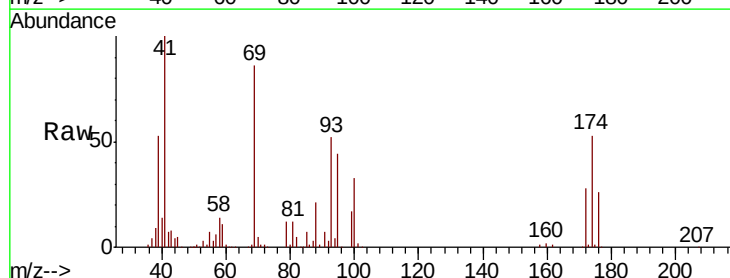
Tgt Ion: 41 Resp: 151202

Ion Ratio Lower Upper

41 100

69 91.5 70.0 105.0

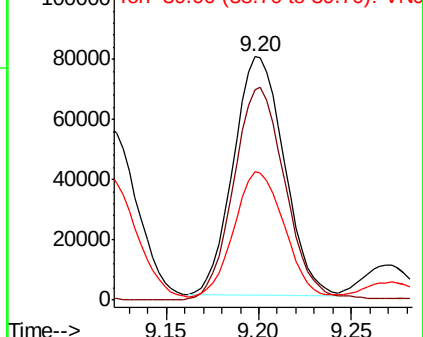
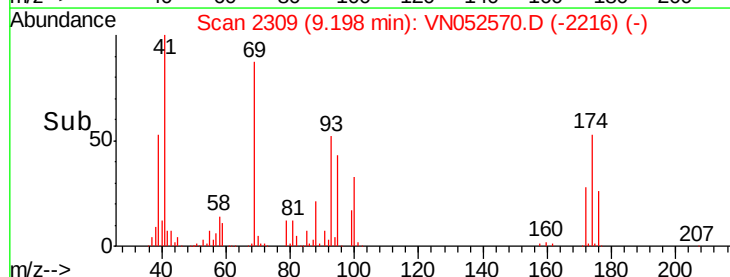
39 54.0 42.6 64.0

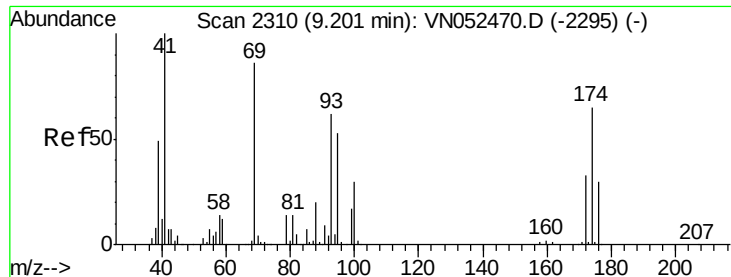


Abundance Ion 41.00 (40.70 to 41.70): VN052570.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052570.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052570.D (-2216) (-)

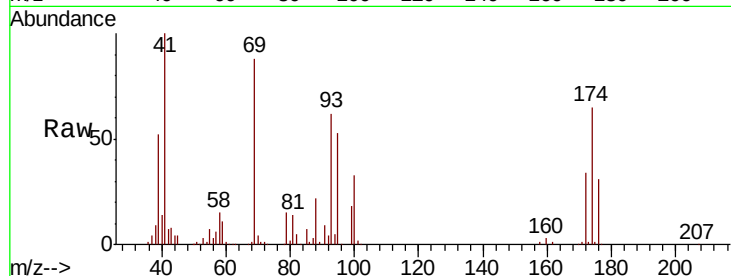




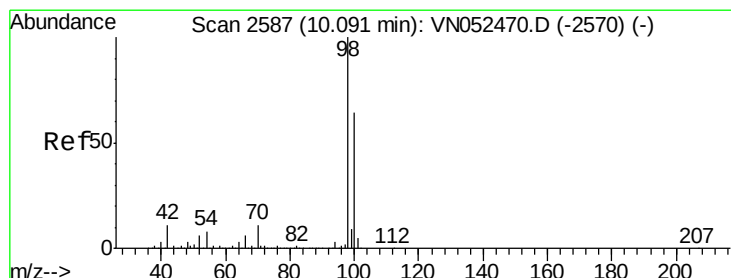
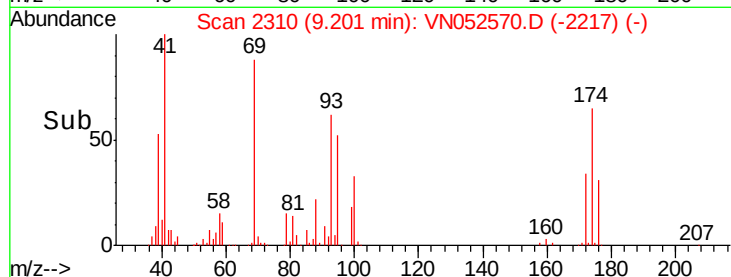
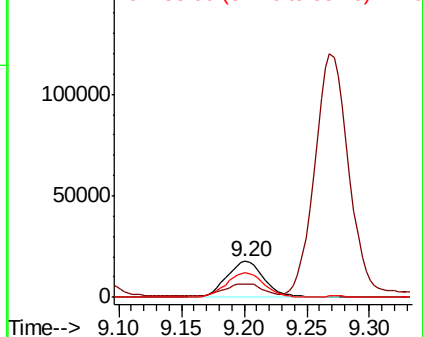
#49
1,4-Dioxane
Concen: 420.359 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion: 88 Resp: 37179
Ion Ratio Lower Upper
88 100
43 33.7 26.4 39.6
58 69.4 55.4 83.0

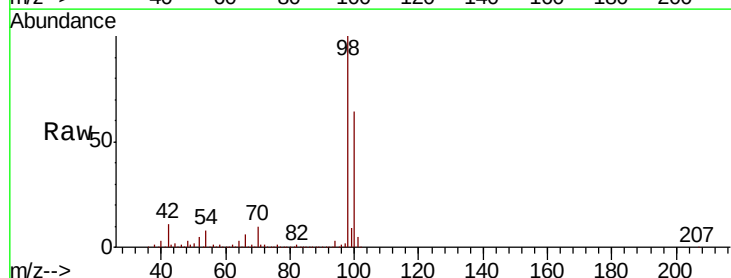


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

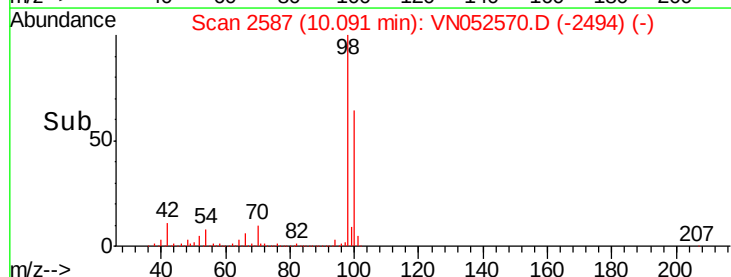
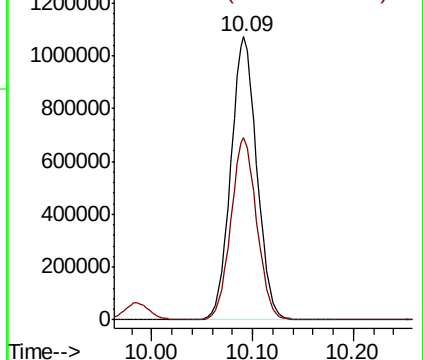


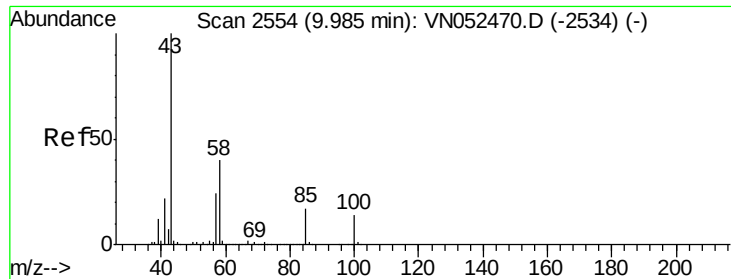
#50
Toluene-d8
Concen: 420.359 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 98 Resp: 1917999
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 89.421 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

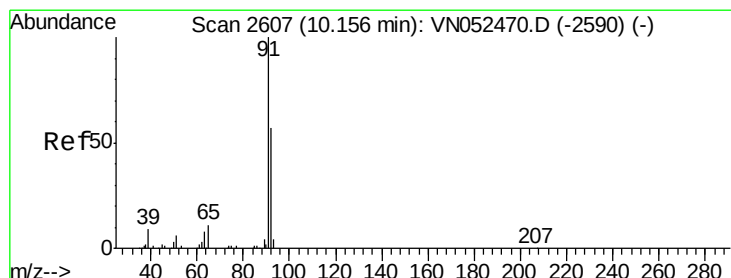
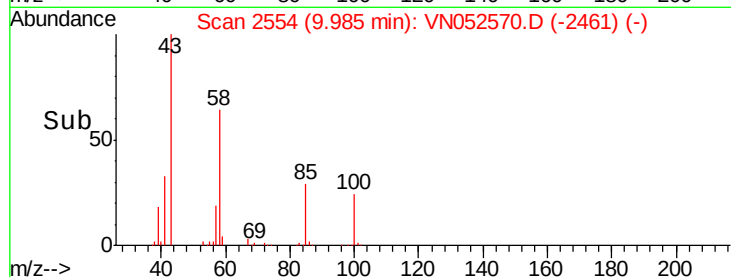
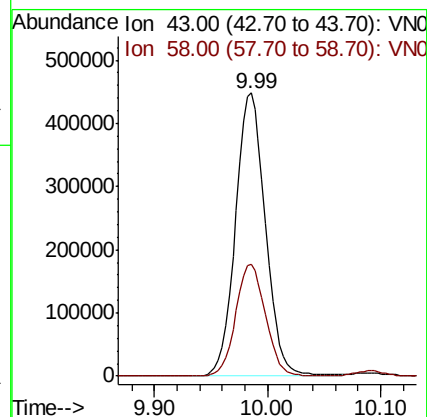
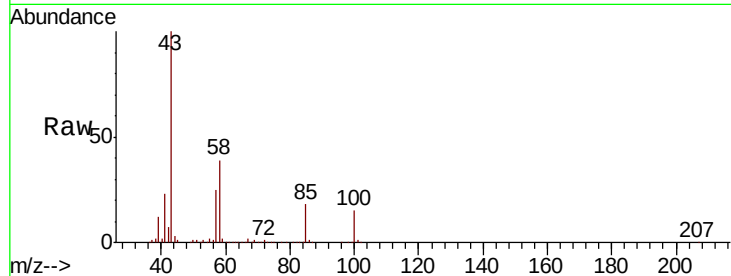
VN1129WBSD01

Tot Ion: 43 Resp: 819996

Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3



#52

Toluene

Concen: 18.948 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052570.D

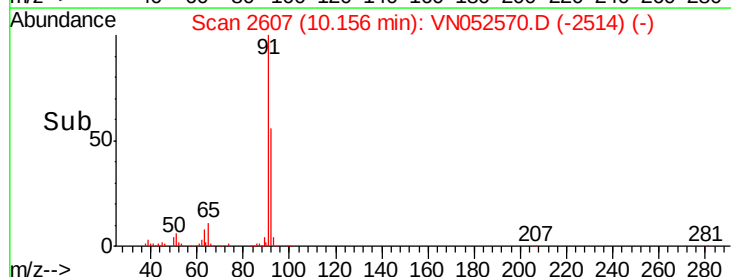
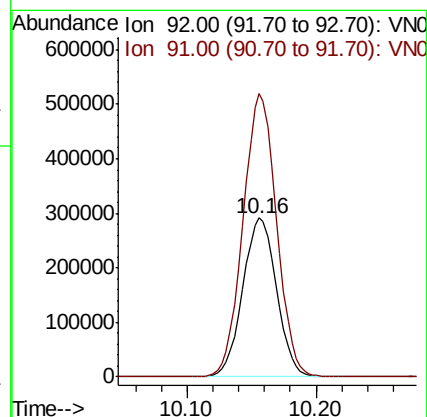
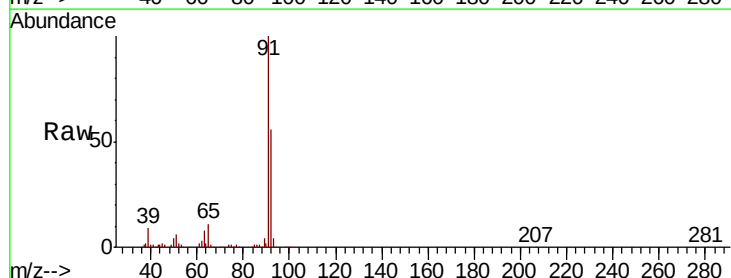
Acq: 29 Nov 2018 17:31

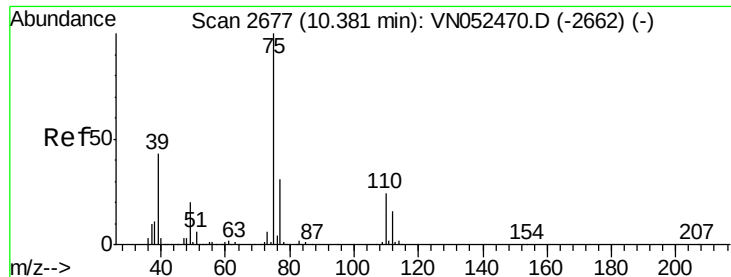
Tgt Ion: 92 Resp: 530923

Ion Ratio Lower Upper

92 100

91 176.8 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 18.169 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

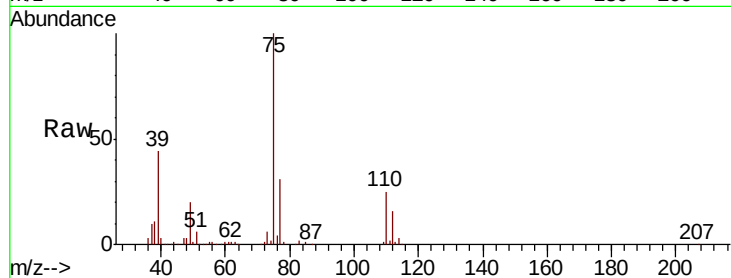
VN1129WBSD01

Tot Ion: 75 Resp: 263778

Ion Ratio Lower Upper

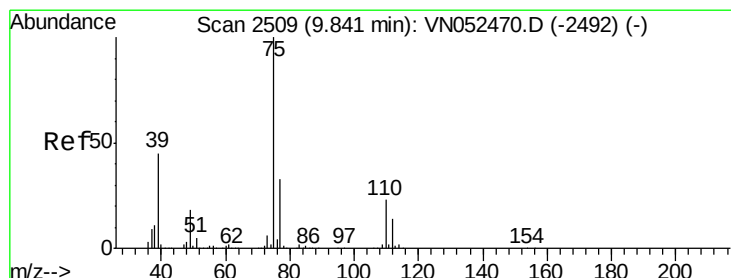
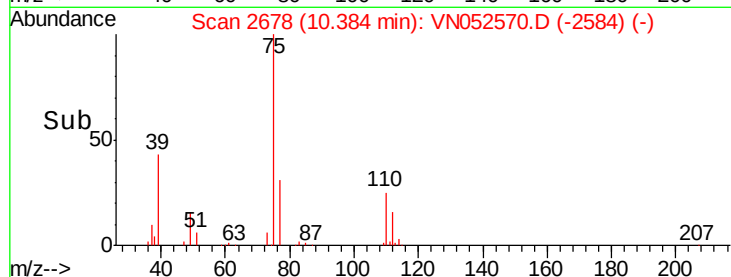
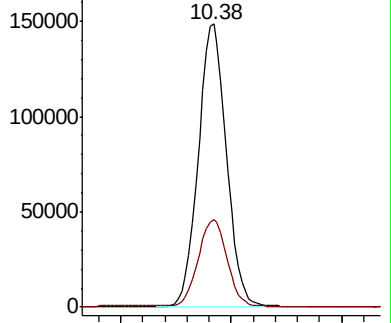
75 100

77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.247 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

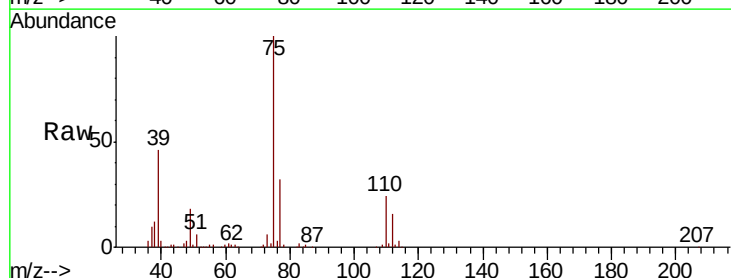
Tgt Ion: 75 Resp: 317459

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

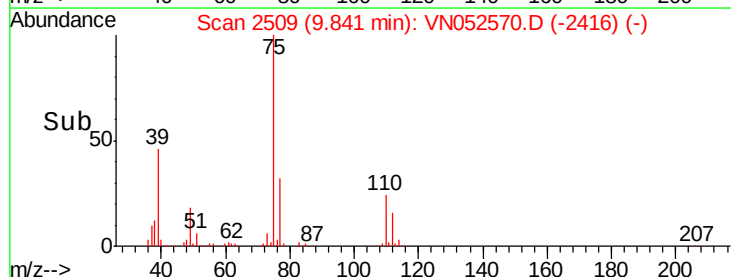
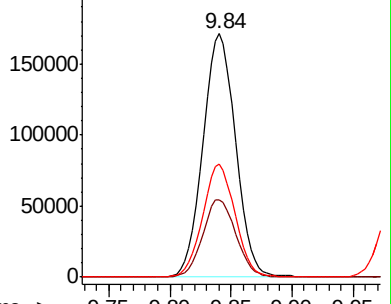
39 46.2 36.0 54.0

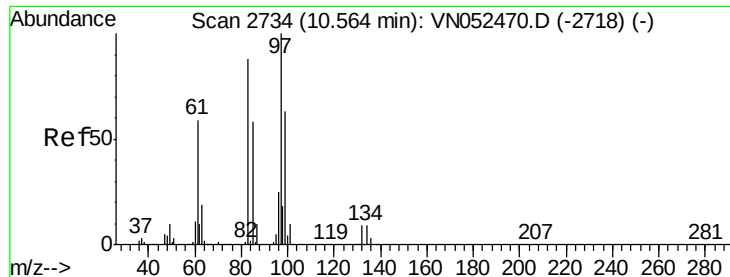


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

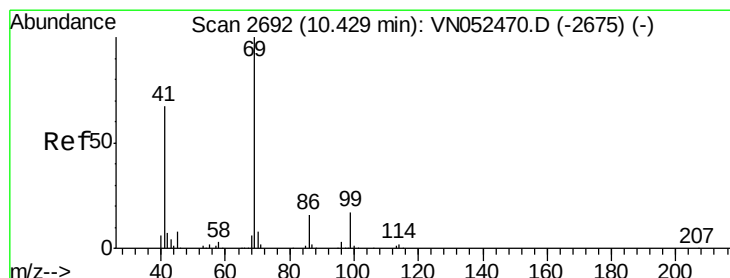
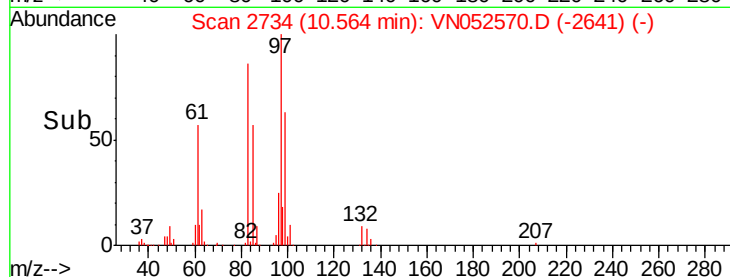
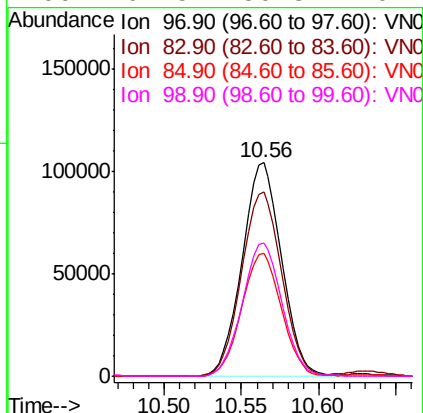
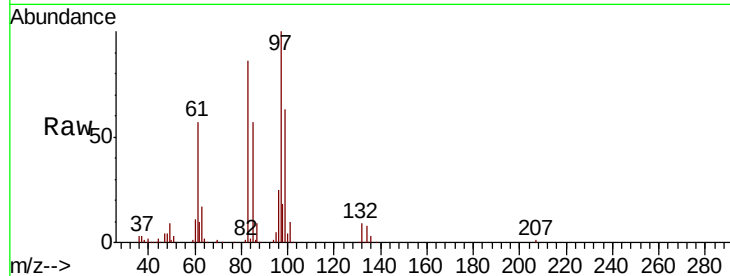




#55
 1,1,2-Trichloroethane
 Concen: 18.801 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

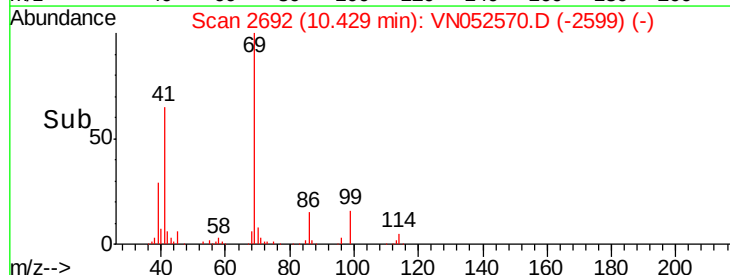
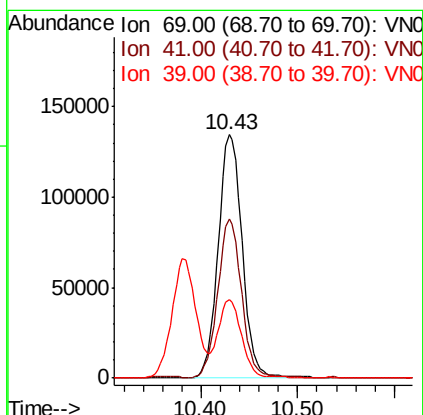
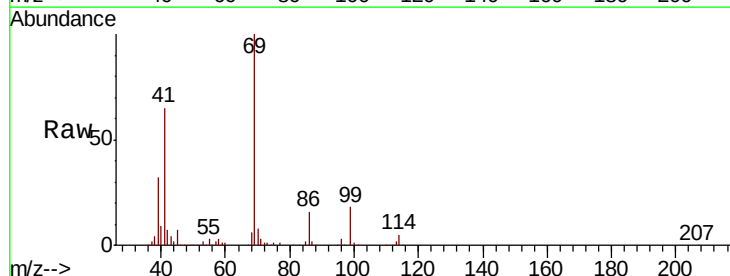
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

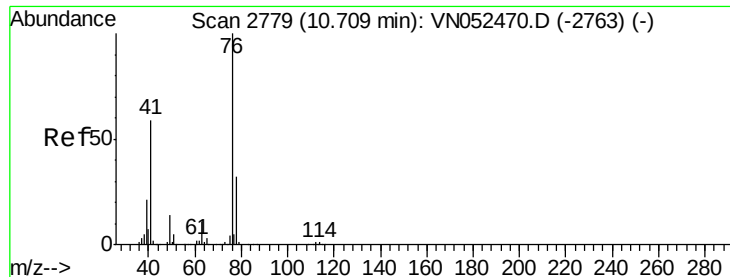
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.7	106.1
85	57.3	46.1	69.1
99	62.5	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 18.772 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.9	52.6	79.0
39	32.0	25.9	38.9





#57

1,3-Dichloropropane

Concen: 18.608 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

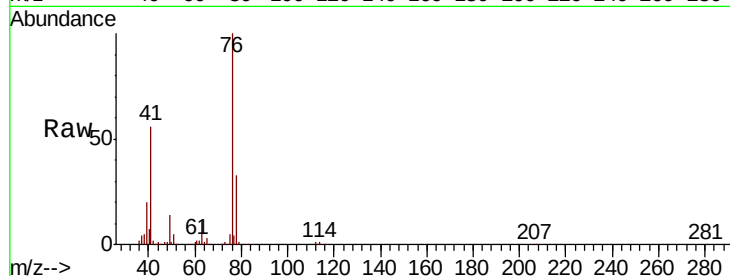
VN1129WBSD01

Tot Ion: 76 Resp: 323841

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-2763) (-)

10.71

200000

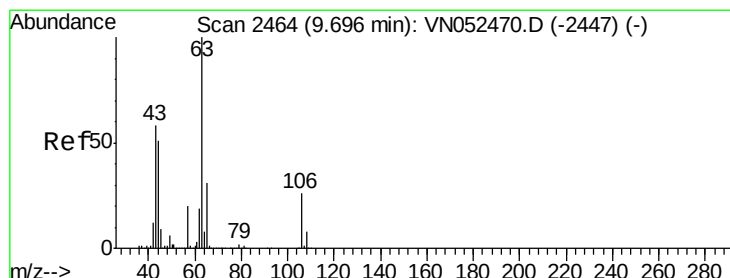
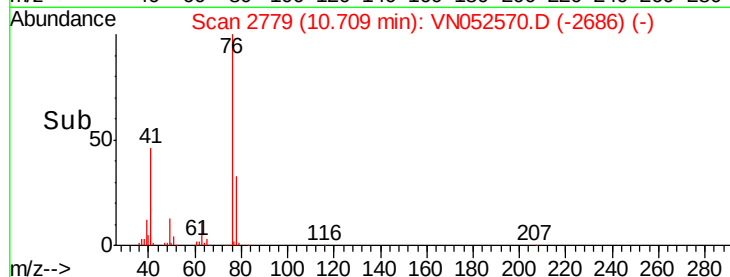
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.552 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052570.D

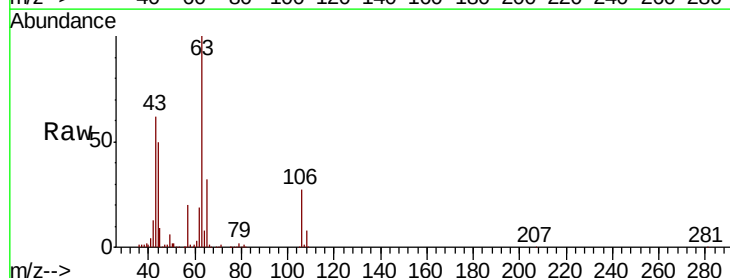
Acq: 29 Nov 2018 17:31

Tgt Ion: 63 Resp: 676240

Ion Ratio Lower Upper

63 100

106 26.8 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN052470.D (-2447) (-)

9.70

400000

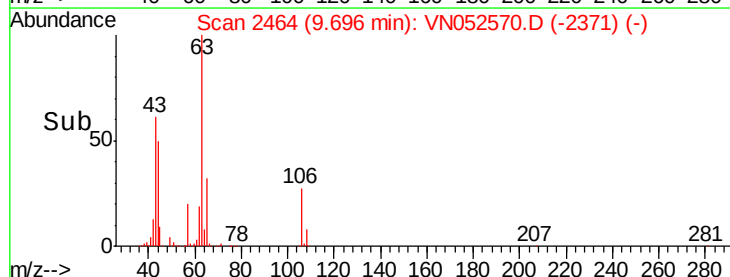
300000

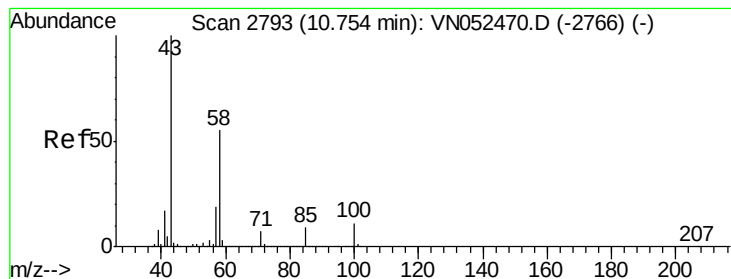
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 85.824 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampled :

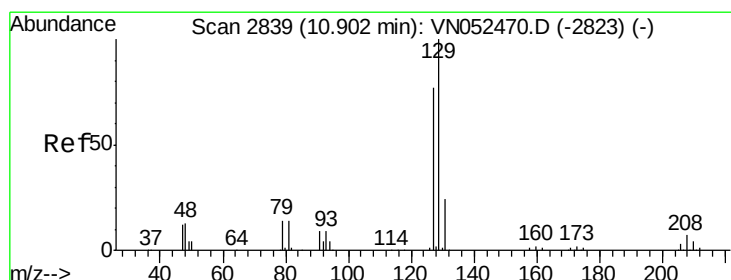
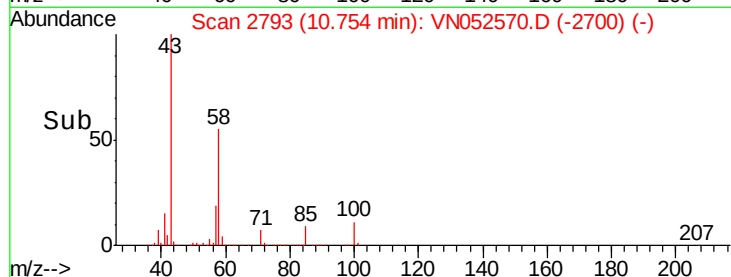
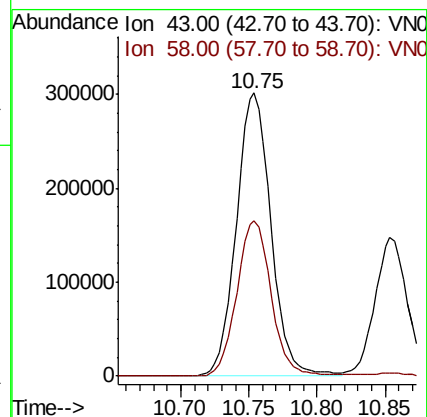
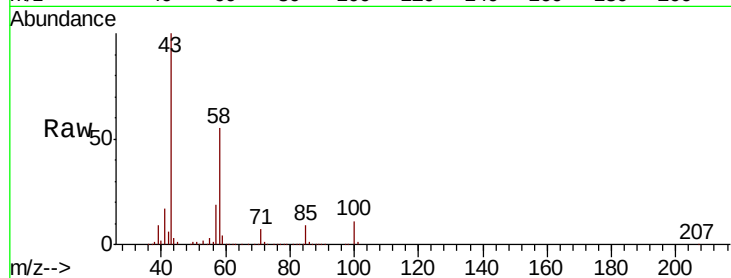
VN1129WBSD01

Tot Ion: 43 Resp: 528206

Ion Ratio Lower Upper

43 100

58 54.9 27.4 82.0



#60

Dibromochloromethane

Concen: 18.523 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052570.D

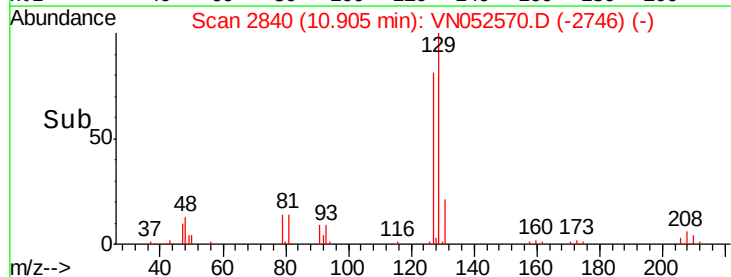
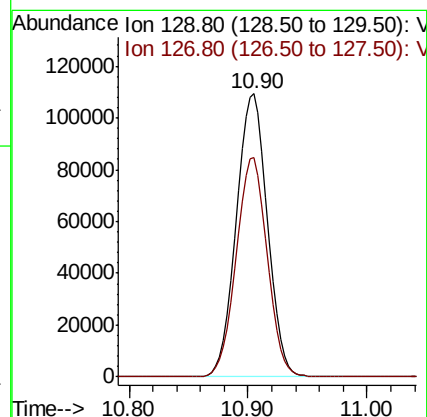
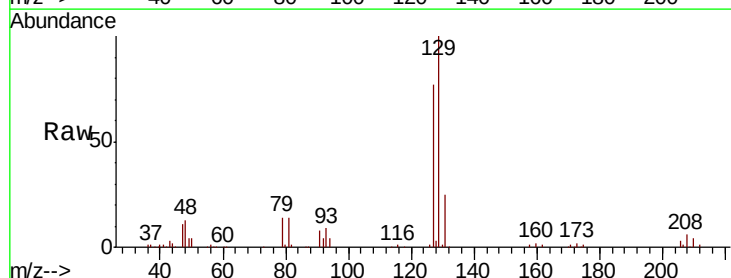
Acq: 29 Nov 2018 17:31

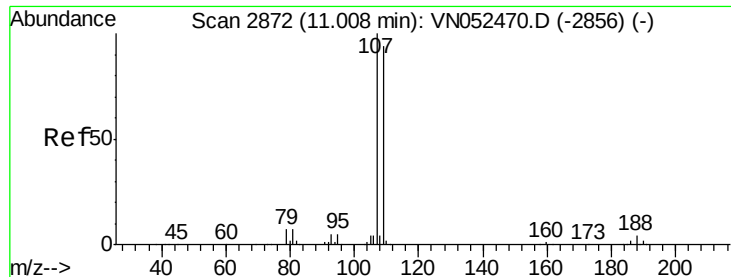
Tgt Ion: 129 Resp: 198291

Ion Ratio Lower Upper

129 100

127 77.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.622 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

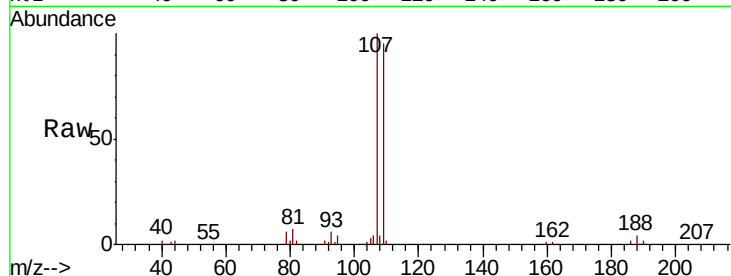
VN1129WBSD01

Tot Ion:107 Resp: 182300

Ion Ratio Lower Upper

107 100

109 94.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

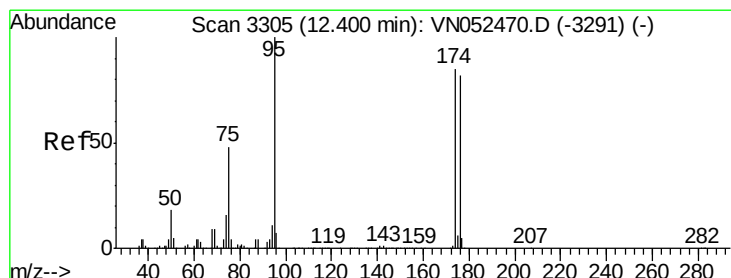
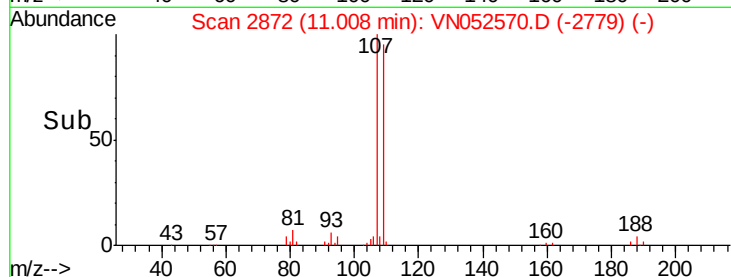
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 18.622 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

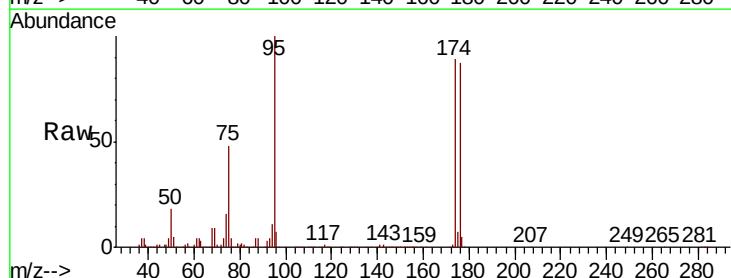
Tgt Ion: 95 Resp: 638948

Ion Ratio Lower Upper

95 100

174 88.8 0.0 173.0

176 86.2 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

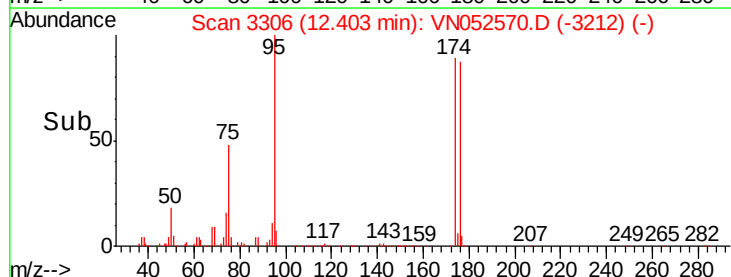
300000

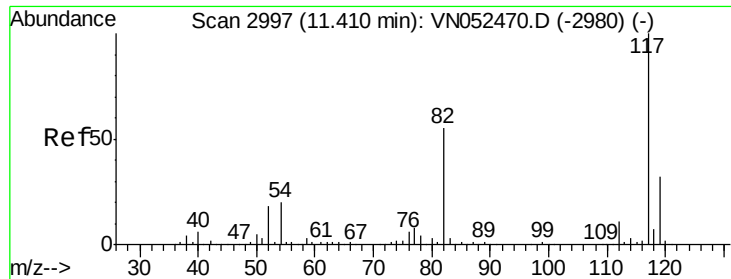
200000

100000

0

Time--> 12.35 12.40 12.45 12.50

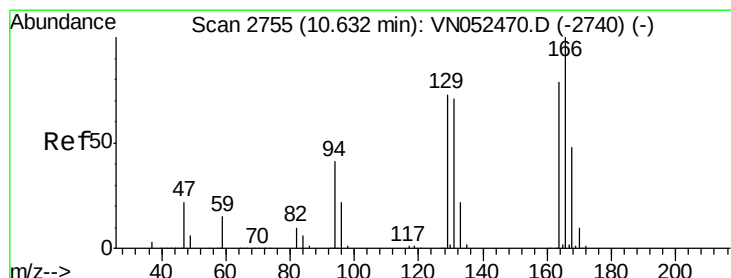
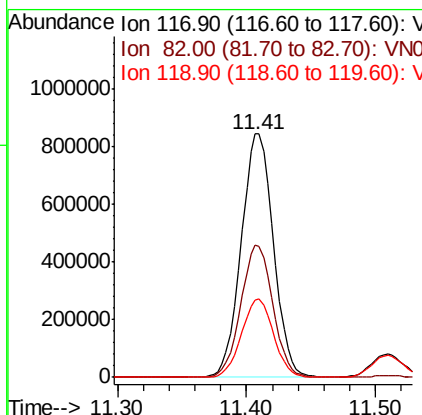
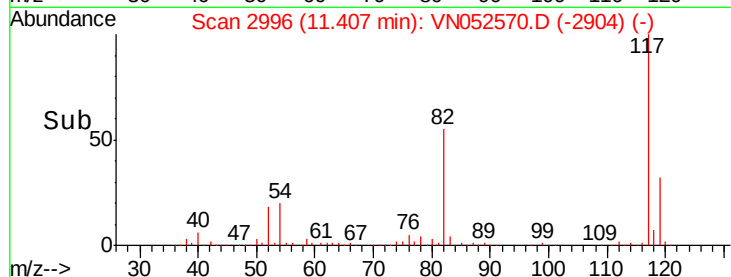
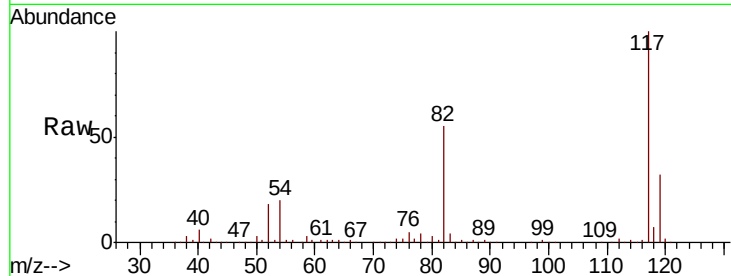




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

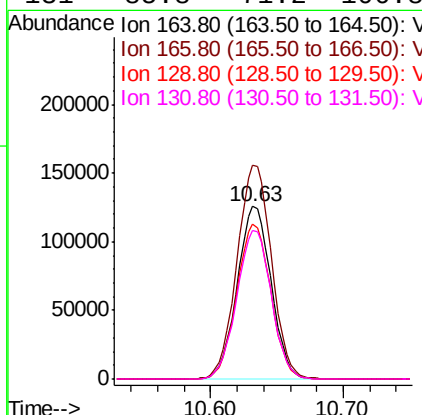
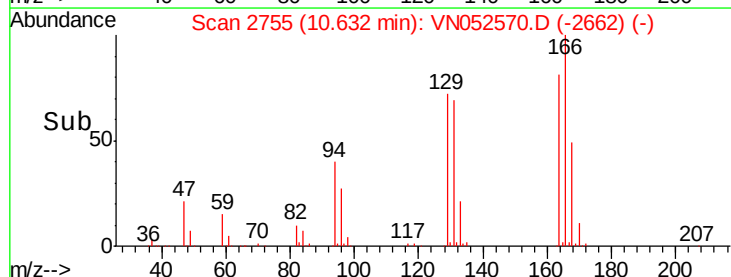
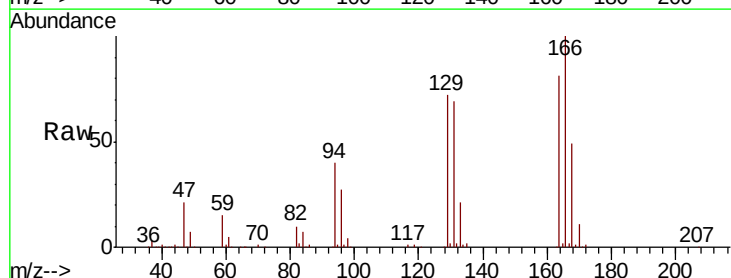
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

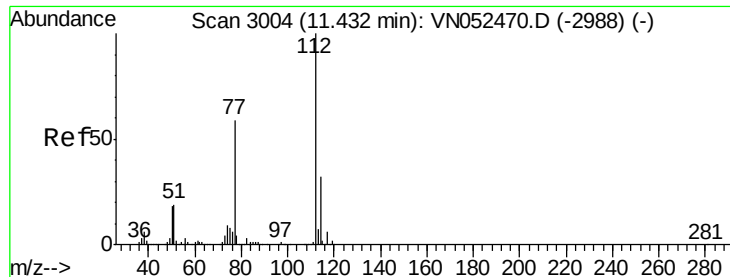
Tot Ion:117 Resp: 1471421
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 19.557 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion:164 Resp: 223114
Ion Ratio Lower Upper
164 100
166 123.9 101.0 151.4
129 89.5 73.8 110.6
131 85.8 71.2 106.8

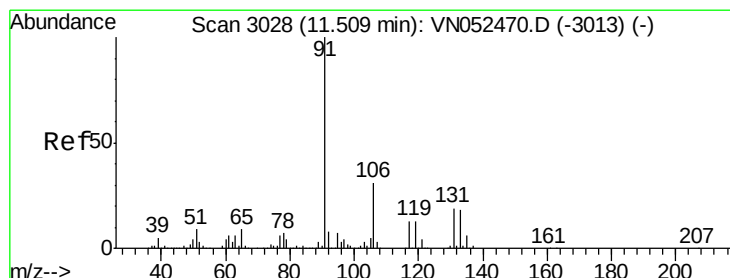
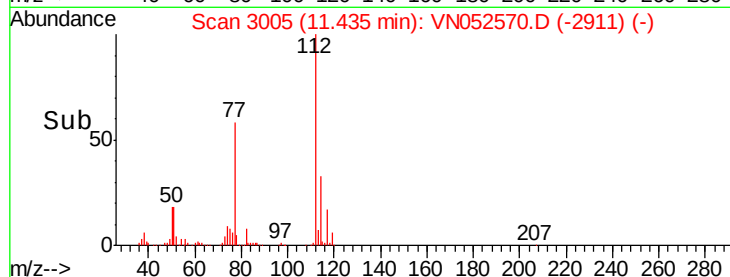
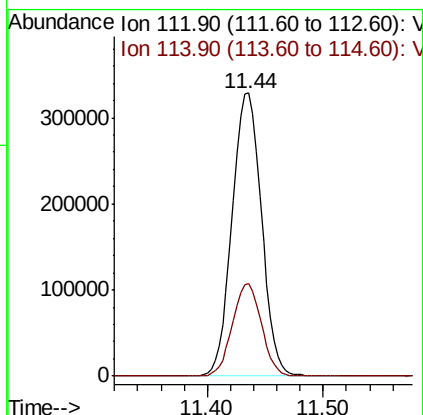
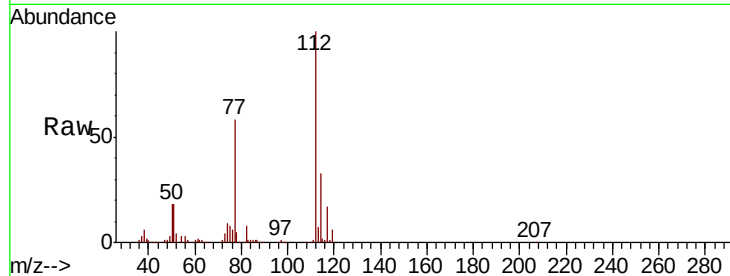




#65
Chlorobenzene
Concen: 19.018 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

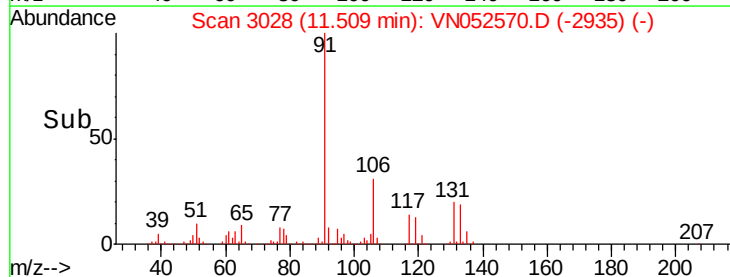
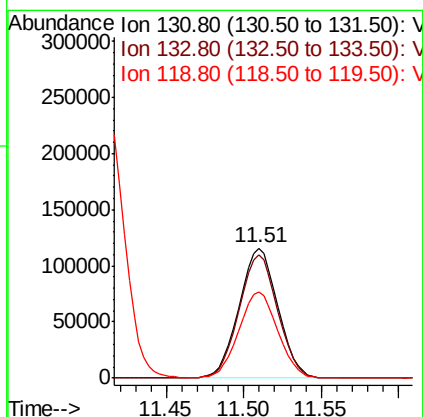
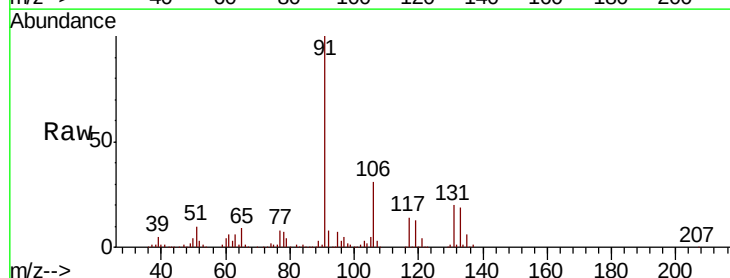
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

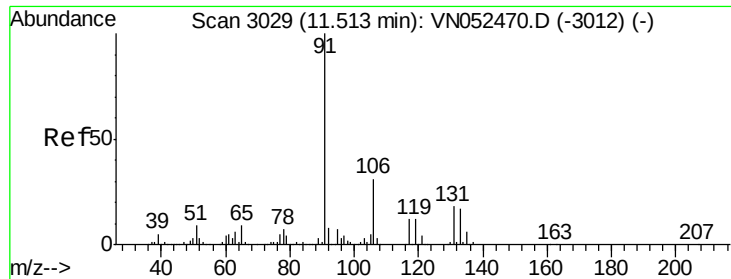
Tot Ion:112 Resp: 577027
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.068 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion:131 Resp: 201163
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.8
119 66.8 33.2 99.6

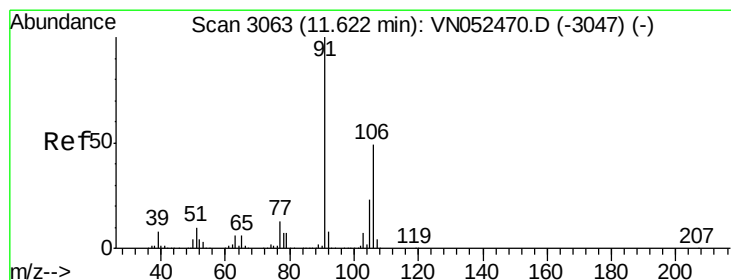
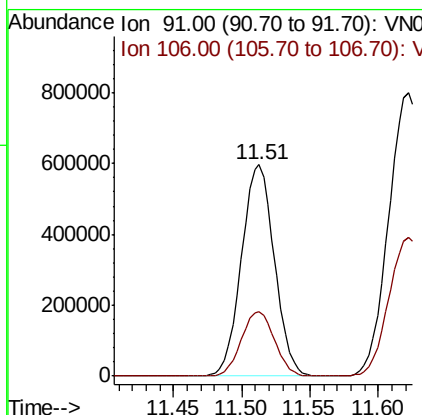
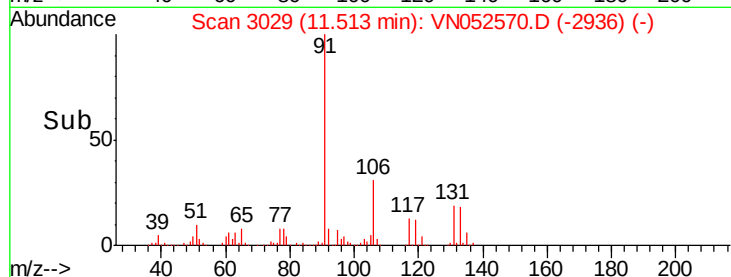
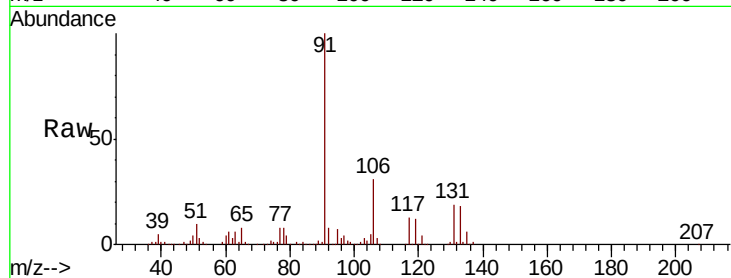




#67
Ethyl Benzene
Concen: 18.797 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

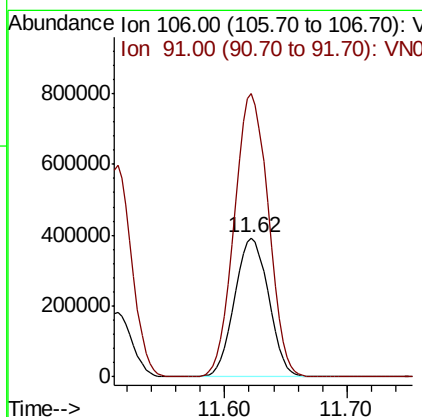
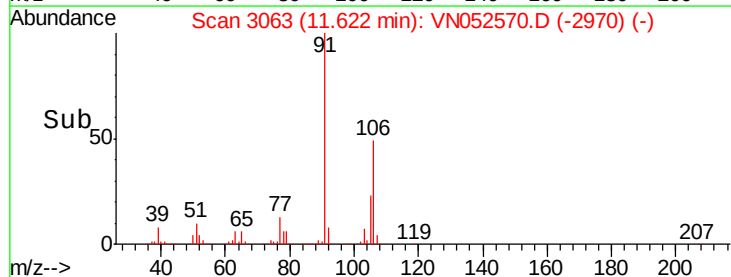
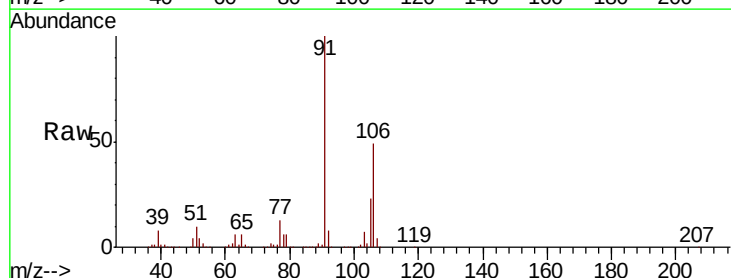
Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

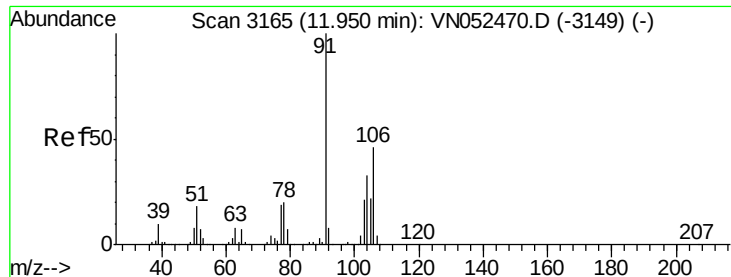
Tot Ion: 91 Resp: 998705
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 38.283 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion: 106 Resp: 757226
Ion Ratio Lower Upper
106 100
91 204.4 163.2 244.8

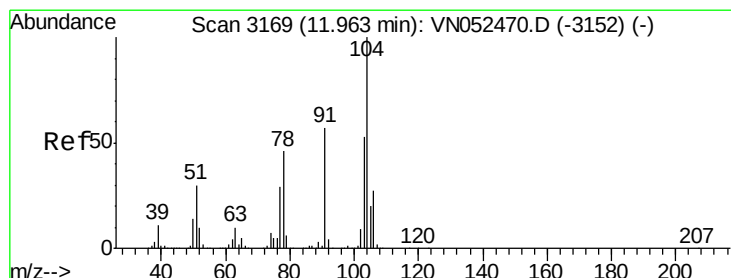
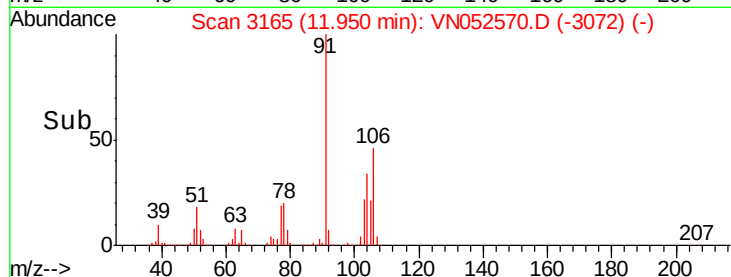
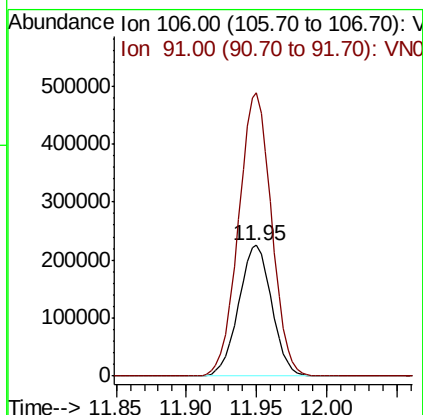
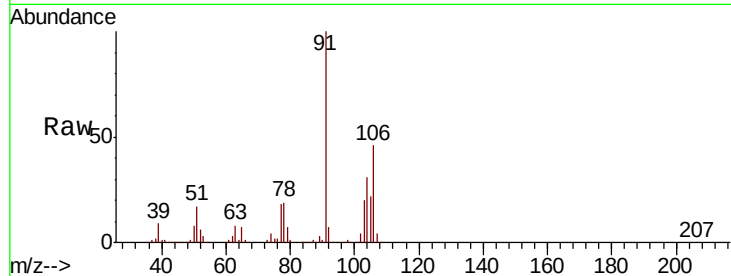




#69
o-Xylene
Concen: 19.294 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

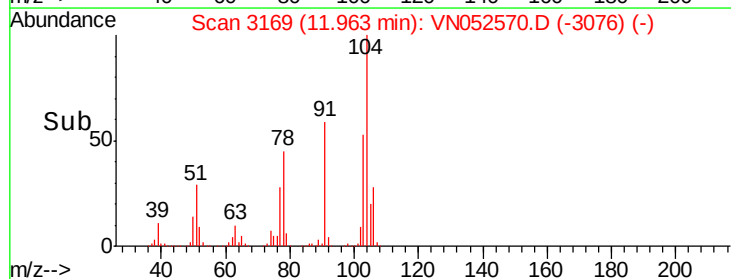
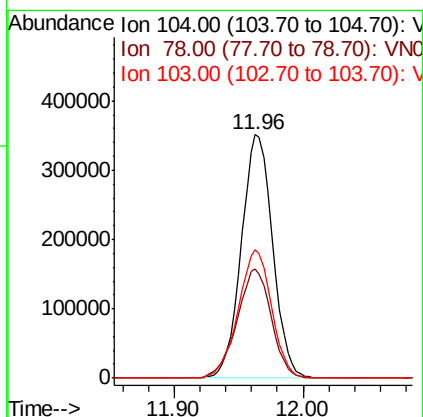
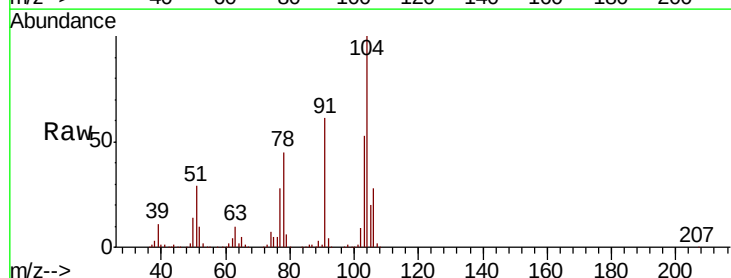
Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

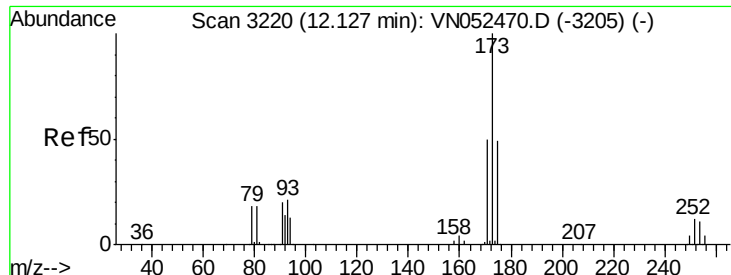
Tot Ion:106 Resp: 370586
Ion Ratio Lower Upper
106 100
91 216.1 107.7 323.1



#70
Styrene
Concen: 19.390 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052570.D
Acq: 29 Nov 2018 17:31

Tgt Ion:104 Resp: 593210
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 56.2 44.9 67.3





#71

Bromoform

Concen: 18.058 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

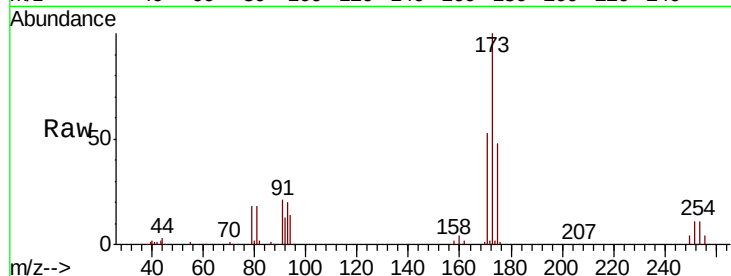
Tot Ion:173 Resp: 126135

Ion Ratio Lower Upper

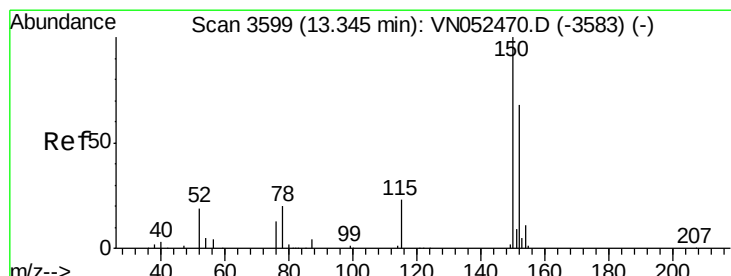
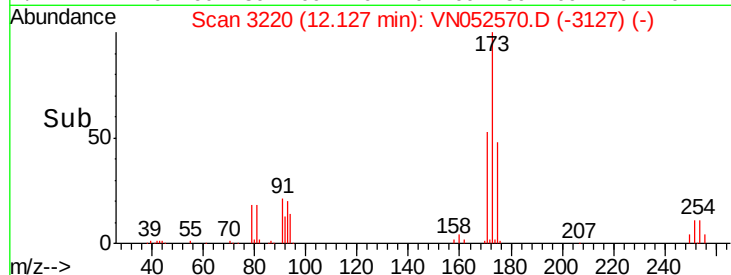
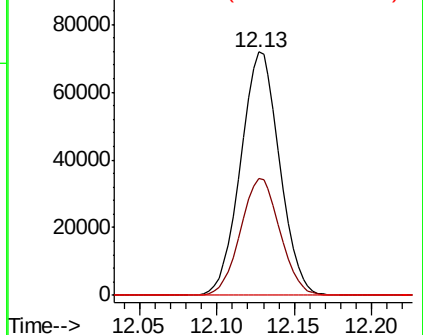
173 100

175 48.5 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: VN052570.D

Acq: 29 Nov 2018 17:31

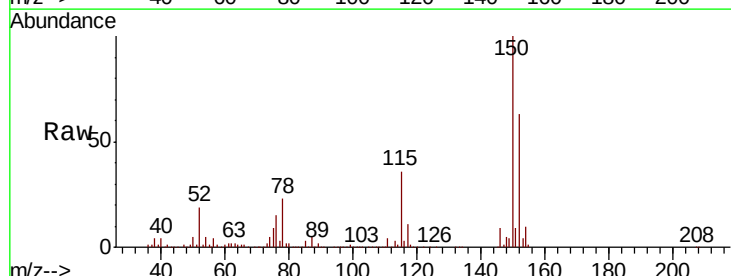
Tgt Ion:152 Resp: 654719

Ion Ratio Lower Upper

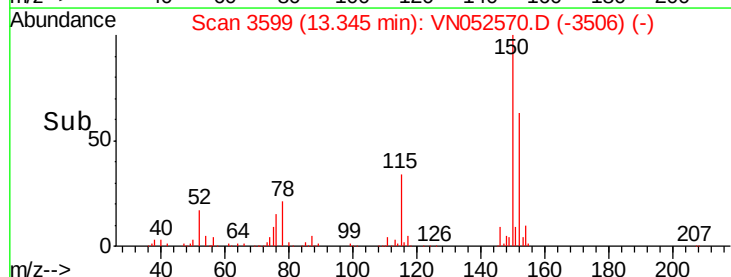
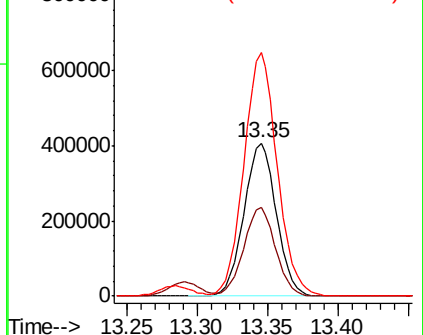
152 100

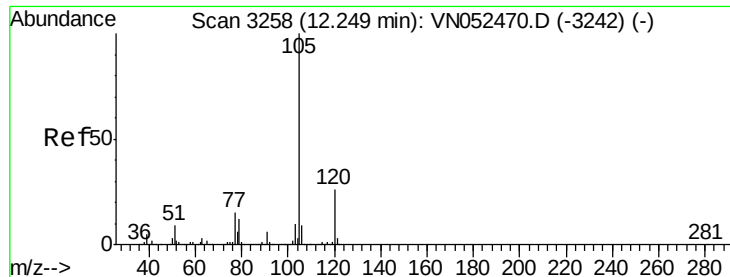
115 57.1 28.4 85.2

150 163.6 0.0 346.0



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: 19.200 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

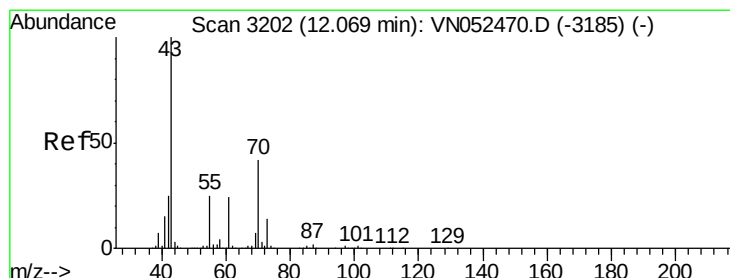
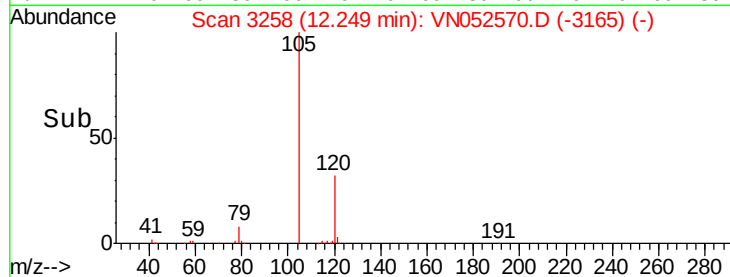
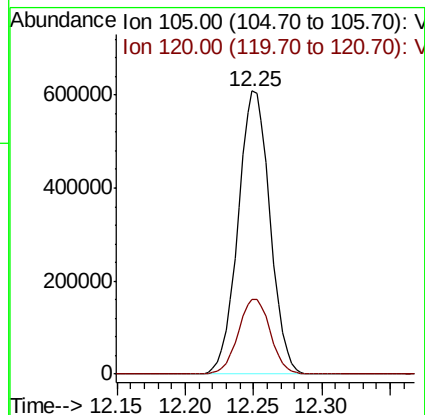
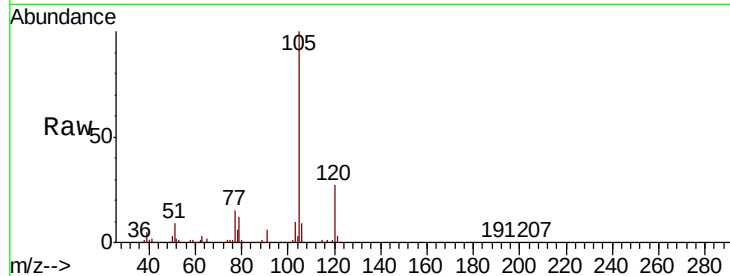
VN1129WBSD01

Tot Ion:105 Resp: 986240

Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.3



#74

N-ethyl acetate

Concen: 19.047 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Tgt Ion: 43 Resp: 247176

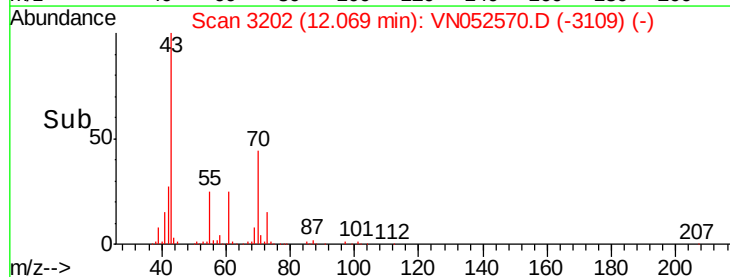
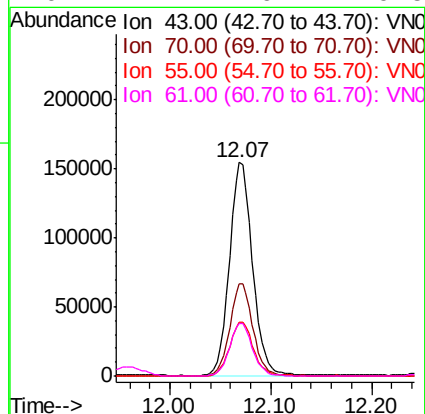
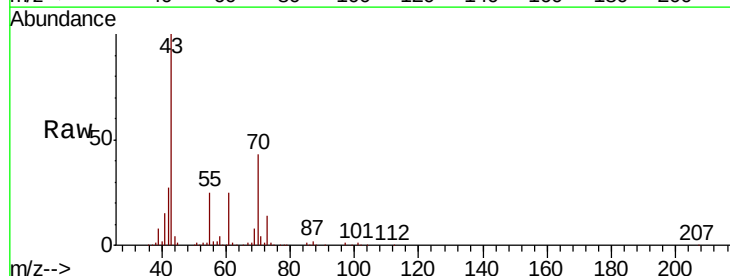
Ion Ratio Lower Upper

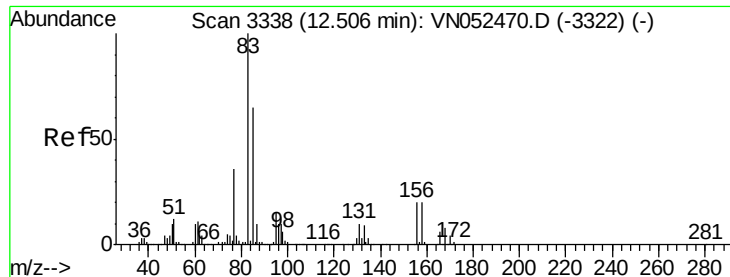
43 100

70 43.3 33.8 50.8

55 26.1 20.0 30.0

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.530 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

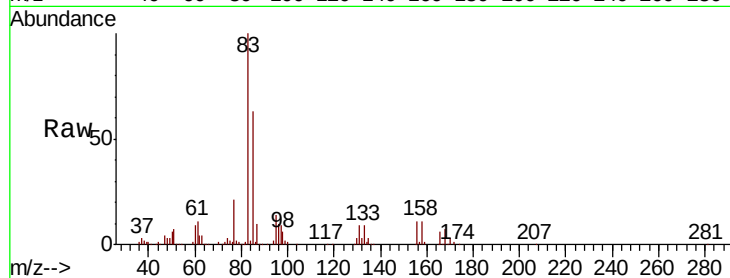
Tot Ion: 83 Resp: 216525

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	62.7	31.9	95.9

83 100

131 10.0 5.0 15.0

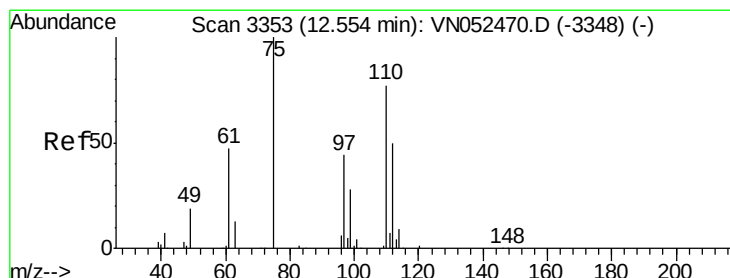
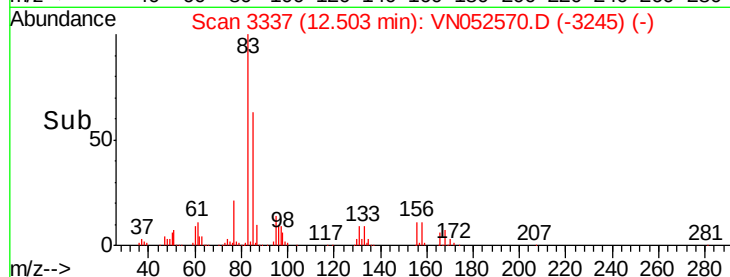
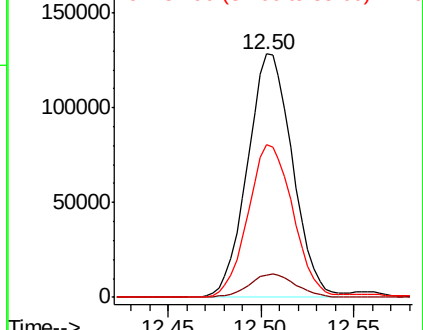
85 62.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052570.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN052570.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN052570.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 25.467 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052570.D

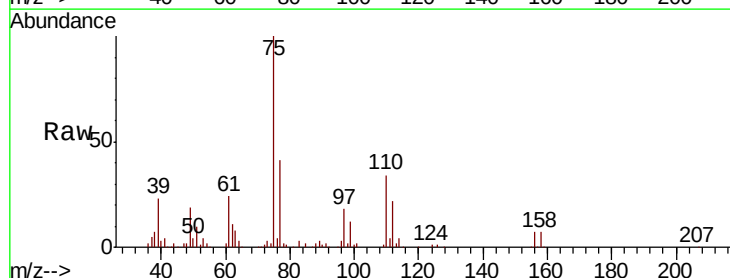
Acq: 29 Nov 2018 17:31

Tgt Ion: 75 Resp: 257120

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

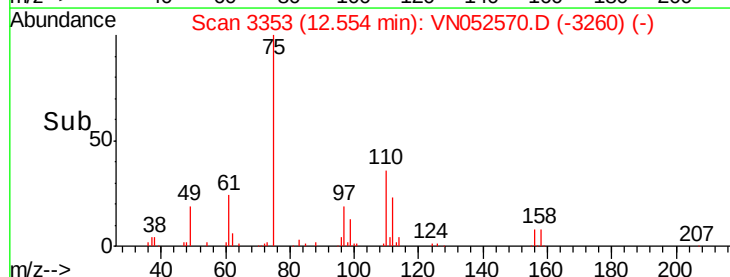
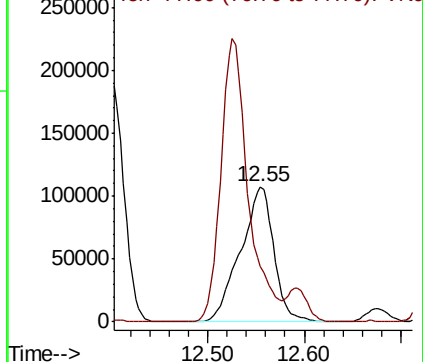
75 100

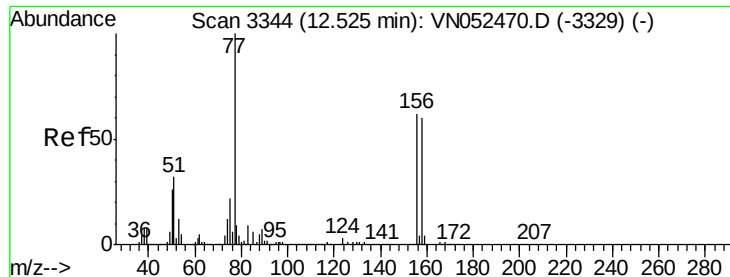
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052570.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052570.D (-3260) (-)





#77

Bromobenzene

Concen: 19.273 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

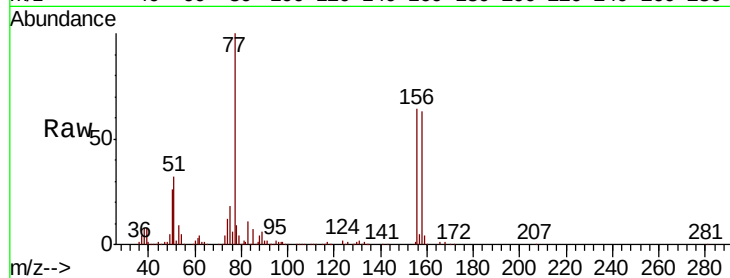
Tot Ion:156 Resp: 244694

Ion Ratio Lower Upper

156 100

77 180.7 93.5 280.4

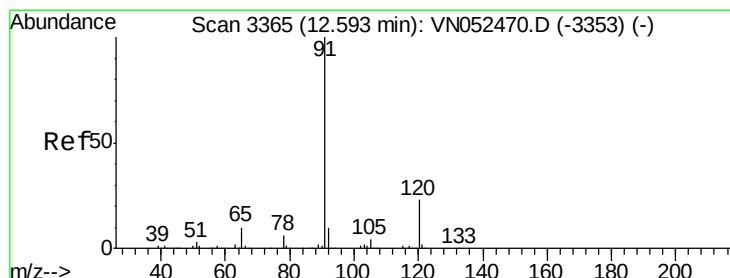
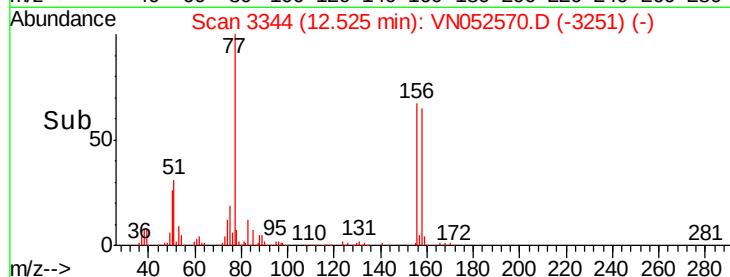
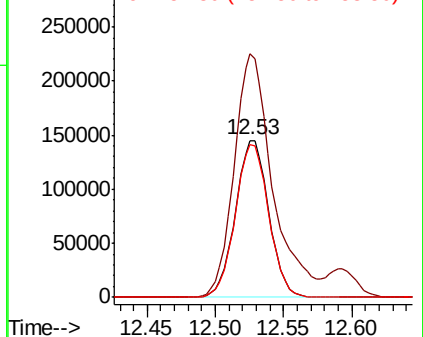
158 97.8 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.119 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052570.D

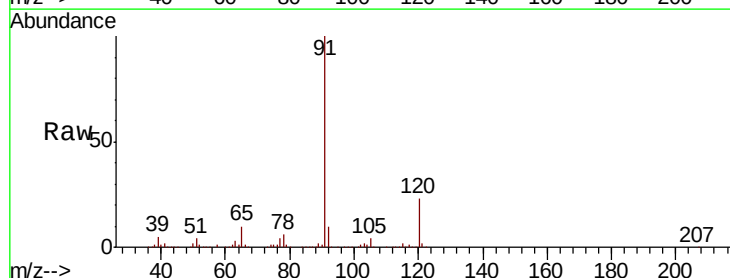
Acq: 29 Nov 2018 17:31

Tgt Ion: 91 Resp: 1115677

Ion Ratio Lower Upper

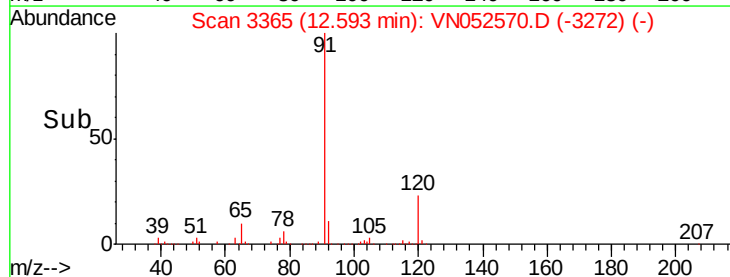
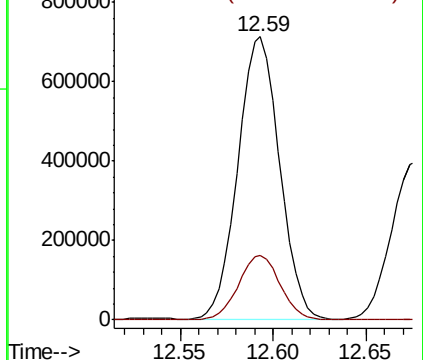
91 100

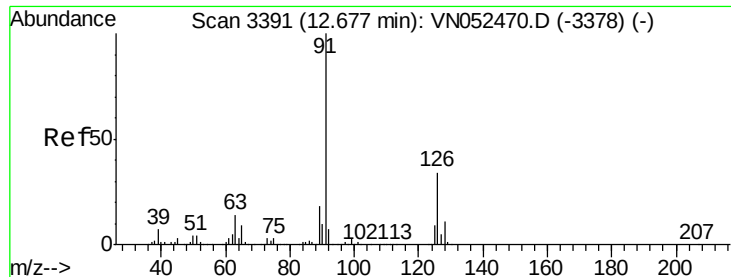
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.858 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

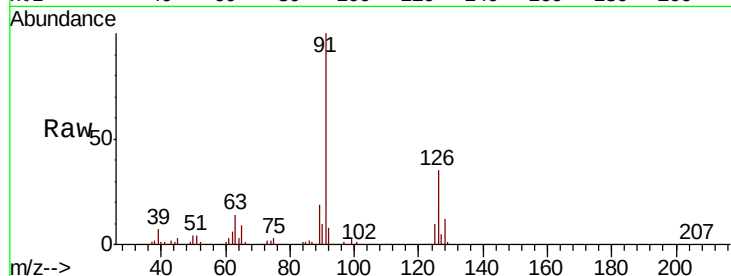
VN1129WBSD01

Tot Ion: 91 Resp: 655316

Ion Ratio Lower Upper

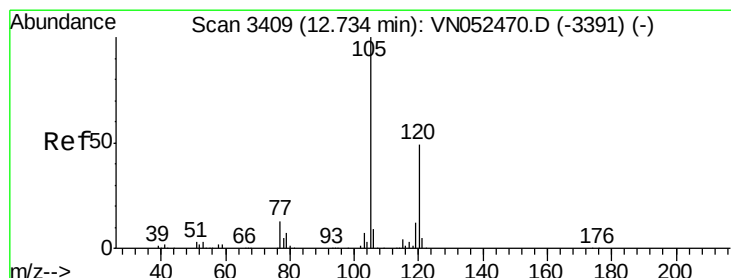
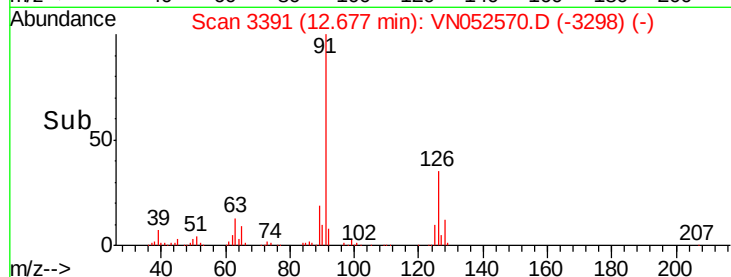
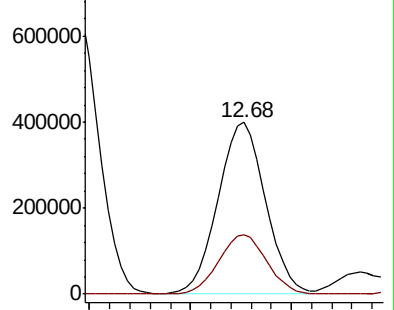
91 100

126 35.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.414 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052570.D

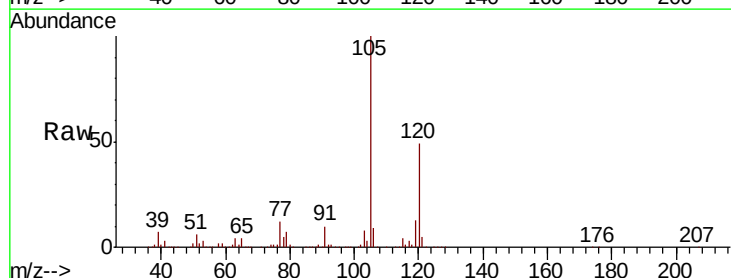
Acq: 29 Nov 2018 17:31

Tgt Ion: 105 Resp: 795344

Ion Ratio Lower Upper

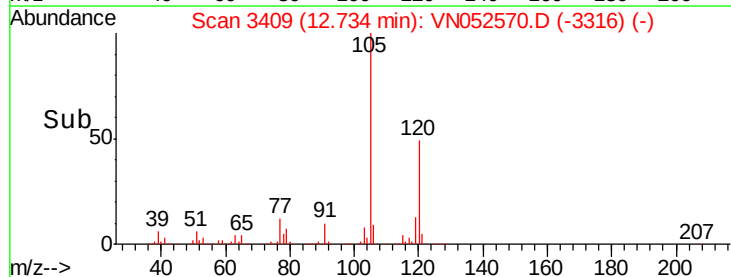
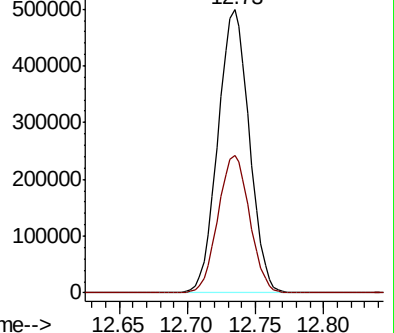
105 100

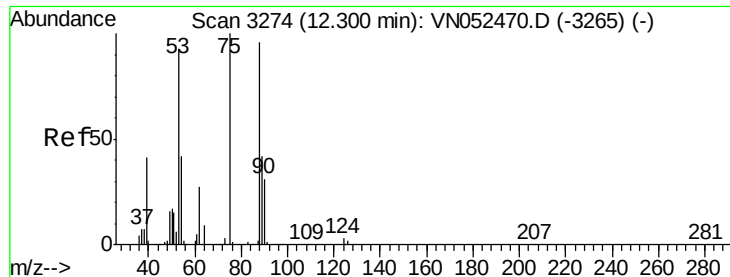
120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.770 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

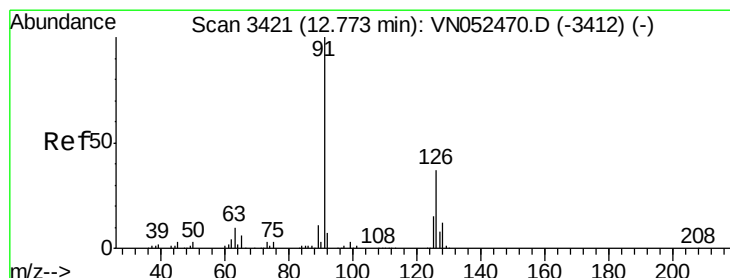
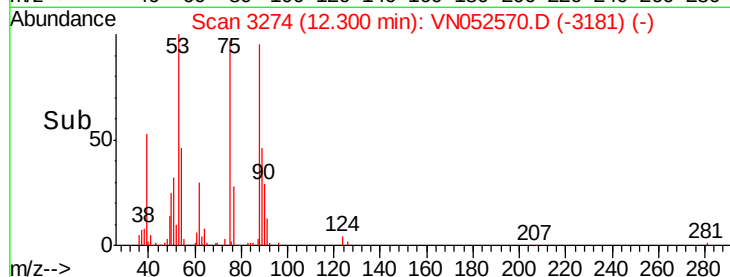
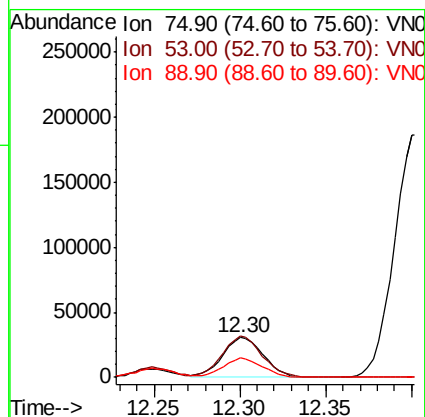
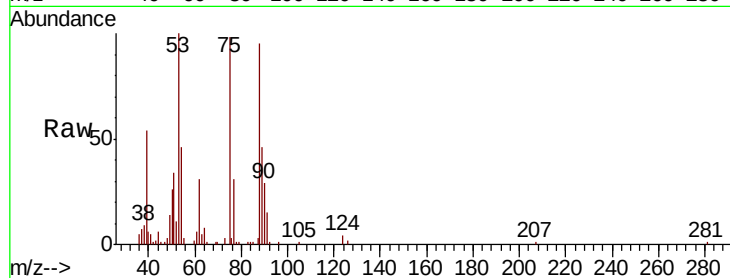
Tot Ion: 75 Resp: 50699

Ion Ratio Lower Upper

75 100

53 102.5 77.4 116.0

89 46.3 35.4 53.2



#82

4-Chlorotoluene

Concen: 18.949 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052570.D

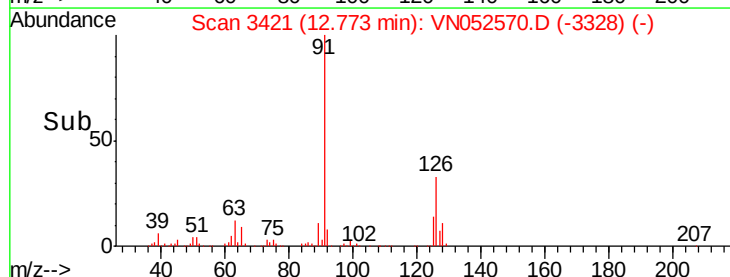
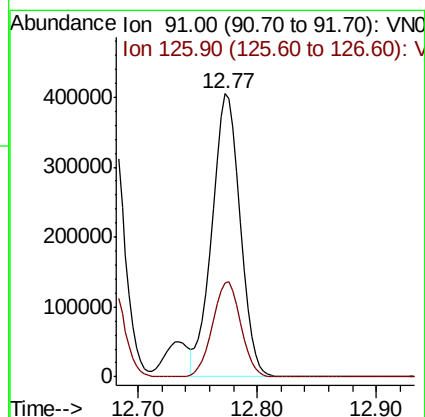
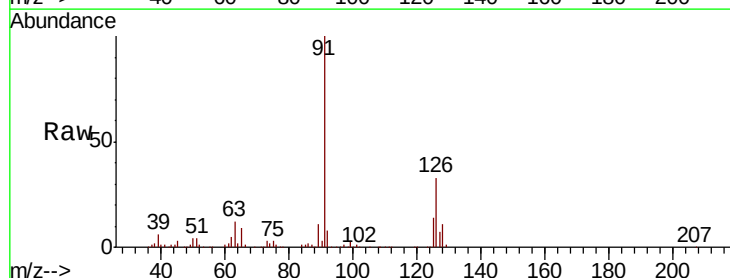
Acq: 29 Nov 2018 17:31

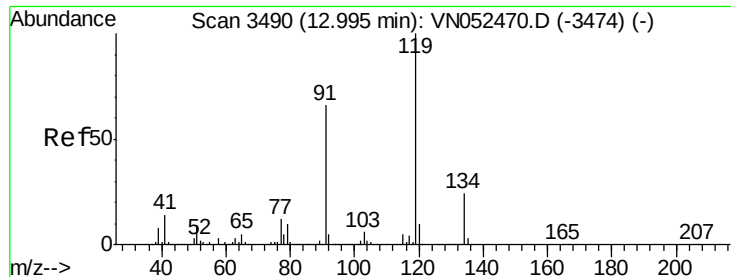
Tgt Ion: 91 Resp: 663662

Ion Ratio Lower Upper

91 100

126 33.9 16.9 50.6

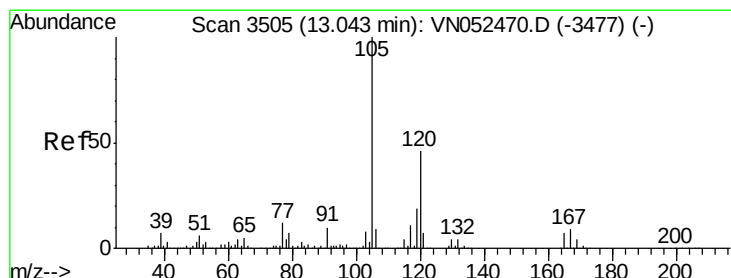
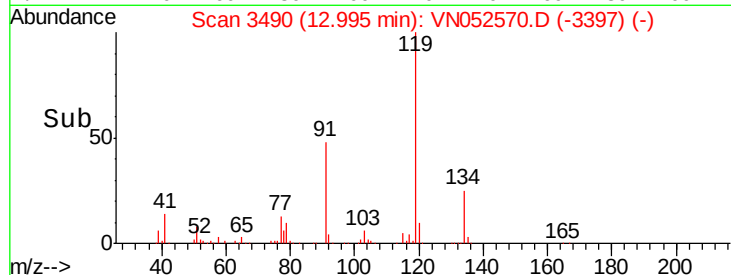
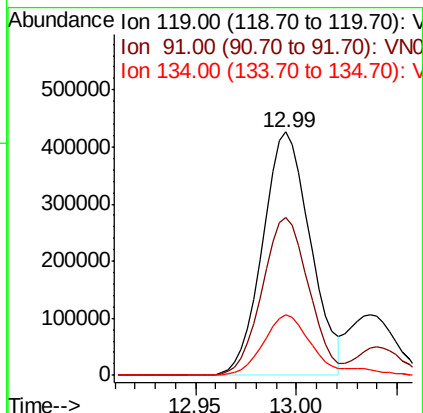
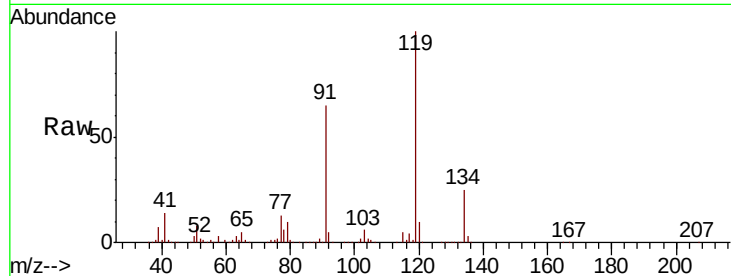




#83
 tert-Butylbenzene
 Concen: 19.212 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

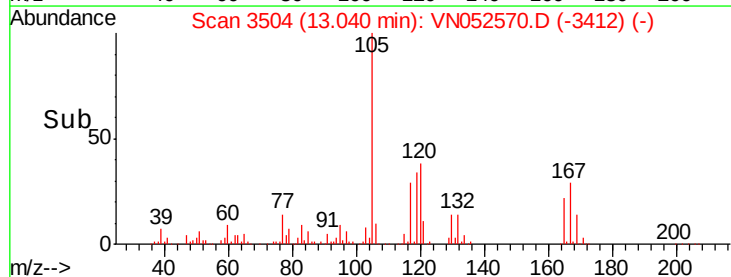
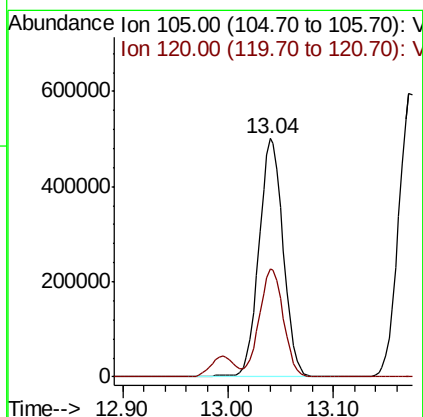
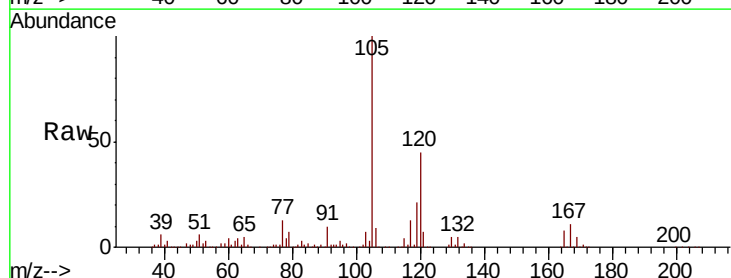
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

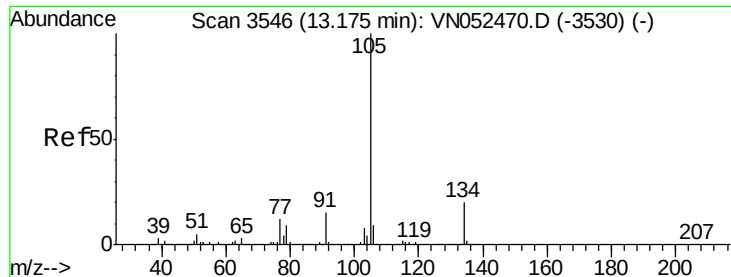
Tot Ion:119 Resp: 701668
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.3 96.9
 134 26.5 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.575 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion:105 Resp: 803689
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 19.156 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

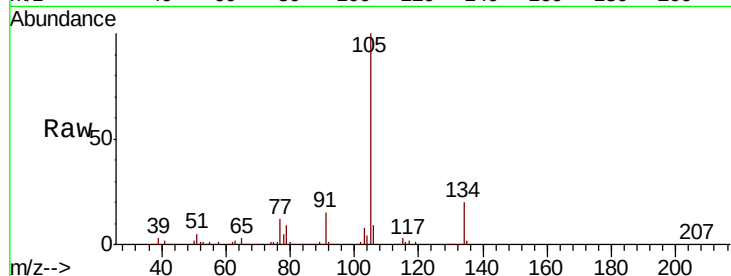
VN1129WBSD01

Tot Ion:105 Resp: 952926

Ion Ratio Lower Upper

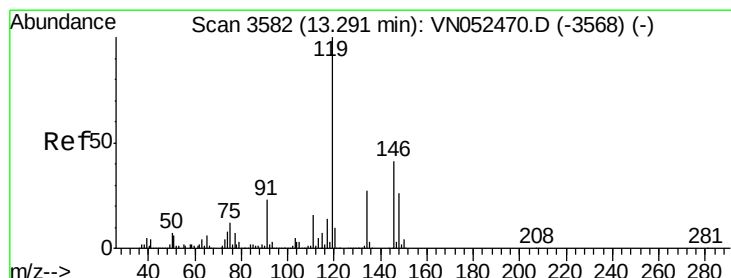
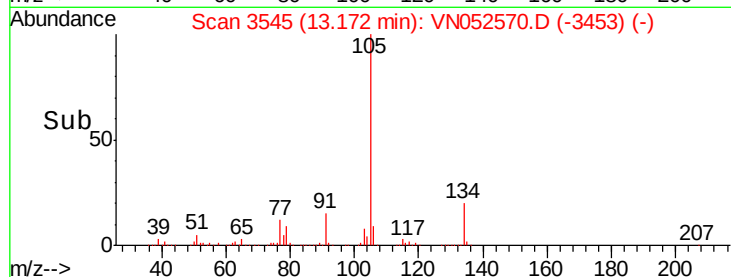
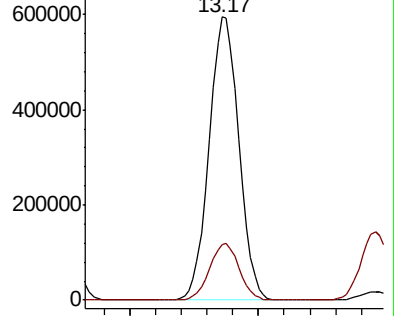
105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.128 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

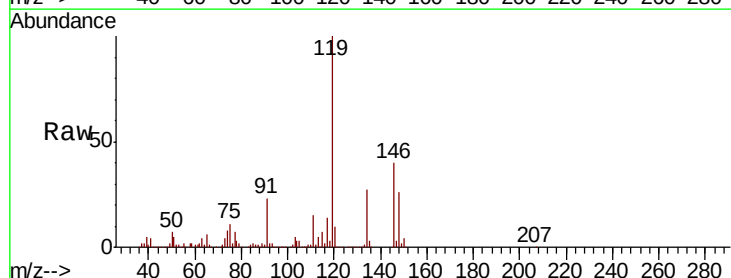
Tgt Ion:119 Resp: 810440

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

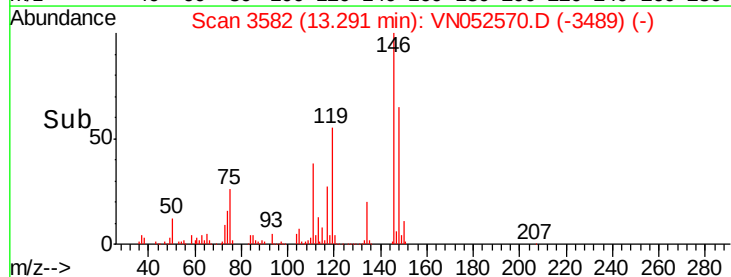
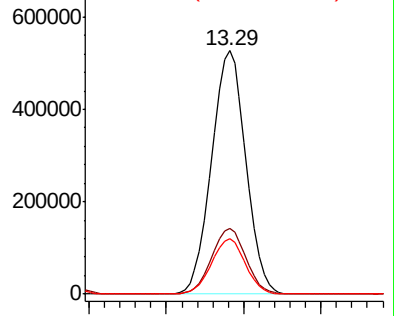
91 22.4 11.4 34.2

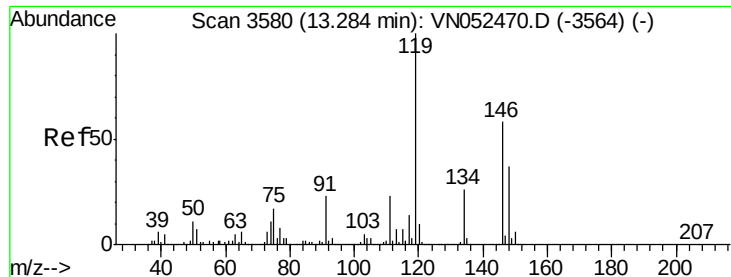


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

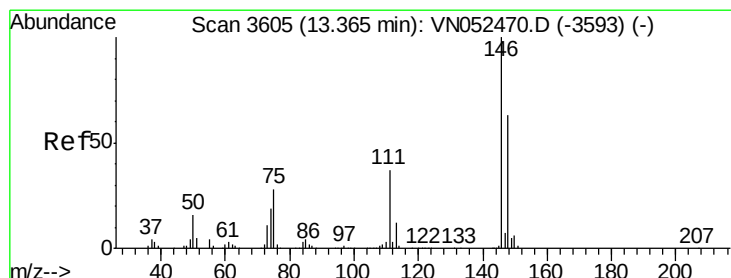
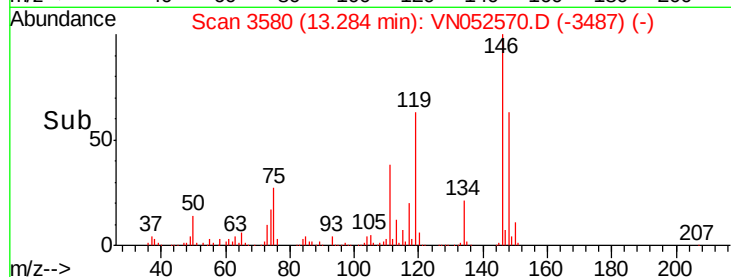
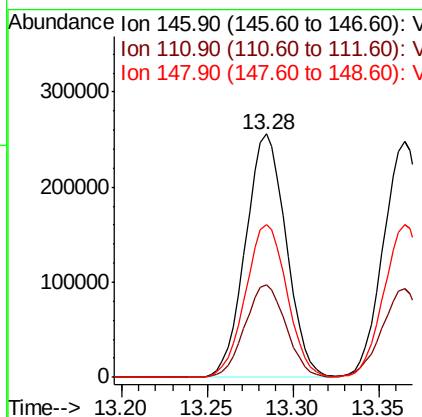
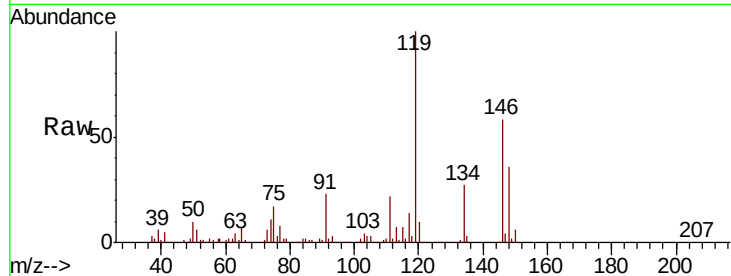




#87
 1,3-Dichlorobenzene
 Concen: 18.887 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

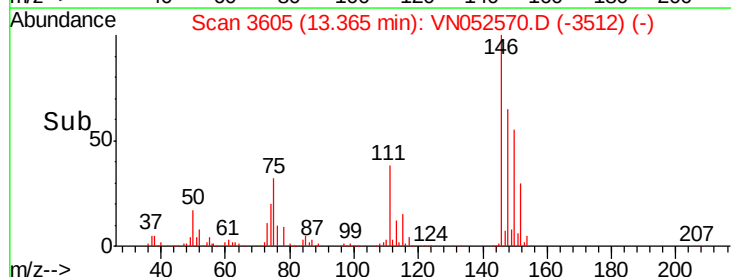
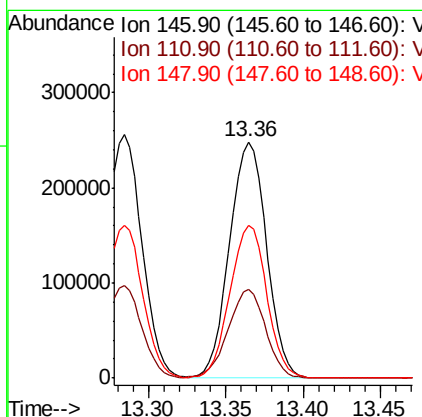
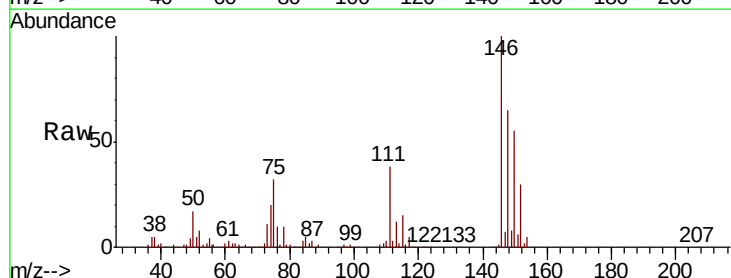
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

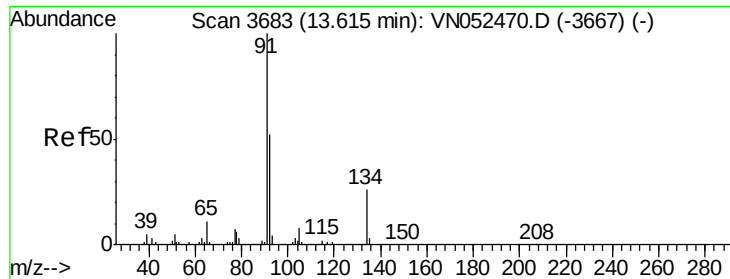
Tot Ion:146 Resp: 419461
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.4 58.4
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.870 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion:146 Resp: 412805
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 56.0
 148 64.1 31.9 95.9





#89

n-Butylbenzene

Concen: 18.936 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

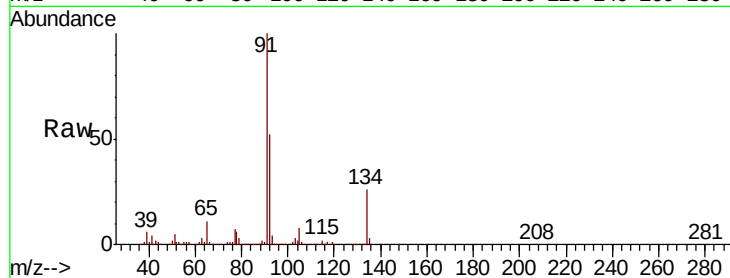
Tot Ion: 91 Resp: 667214

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.3

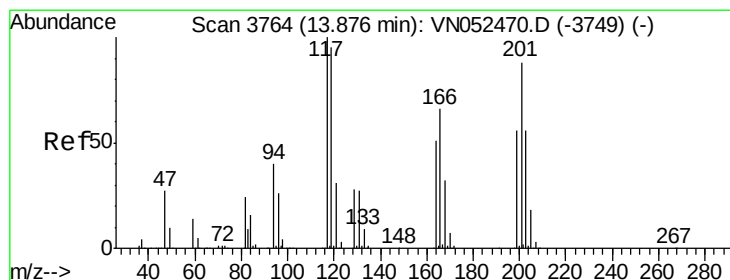
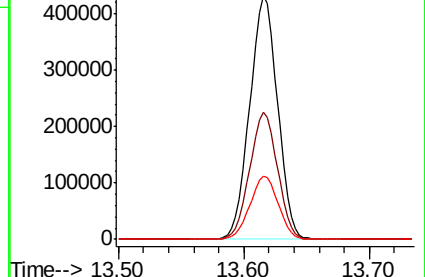
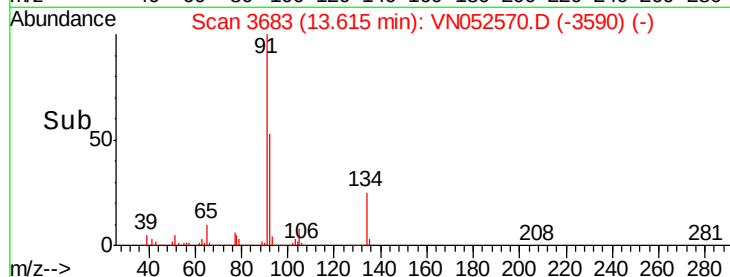
134 26.5 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052570.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052570.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052570.D (-3667) (-)



#90

Hexachloroethane

Concen: 17.669 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052570.D

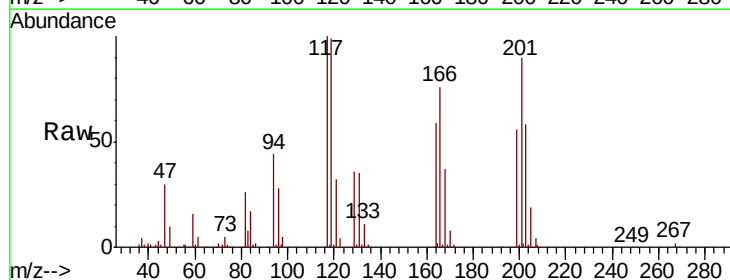
Acq: 29 Nov 2018 17:31

Tgt Ion: 117 Resp: 126758

Ion Ratio Lower Upper

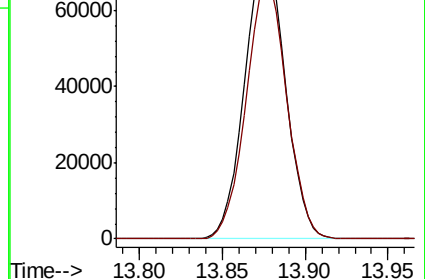
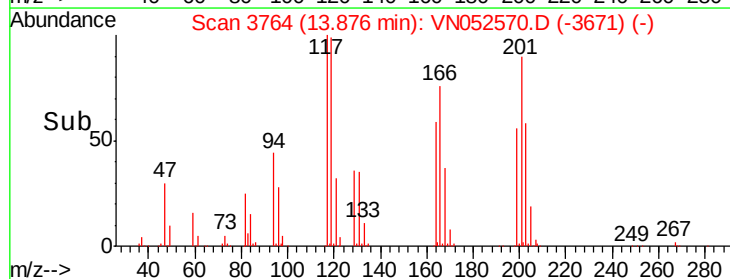
117 100

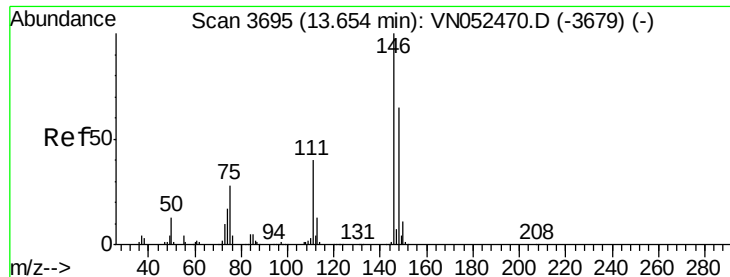
201 90.4 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052570.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052570.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.194 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

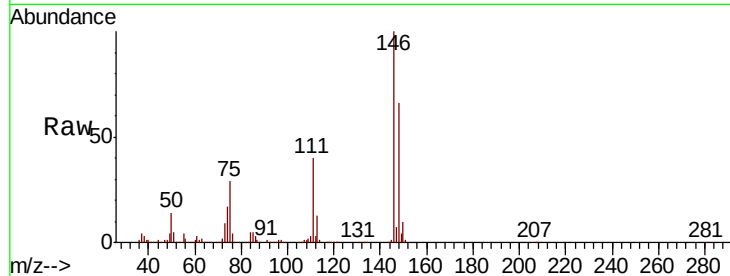
Tot Ion:146 Resp: 407269

Ion Ratio Lower Upper

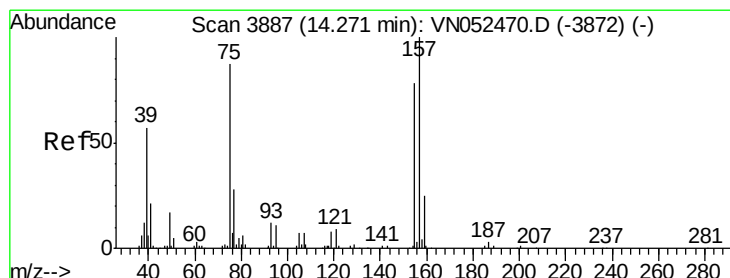
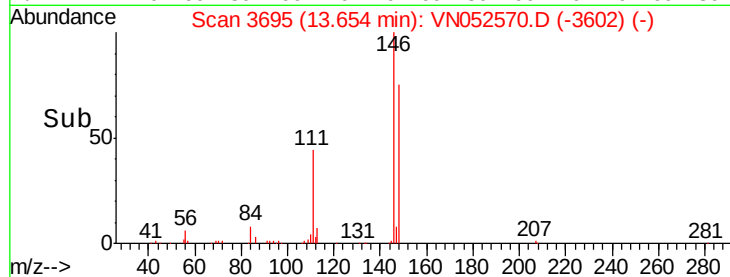
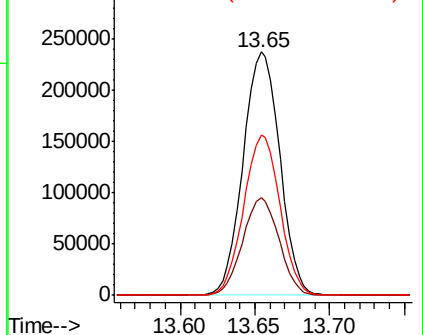
146 100

111 39.6 20.0 60.0

148 64.9 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.413 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

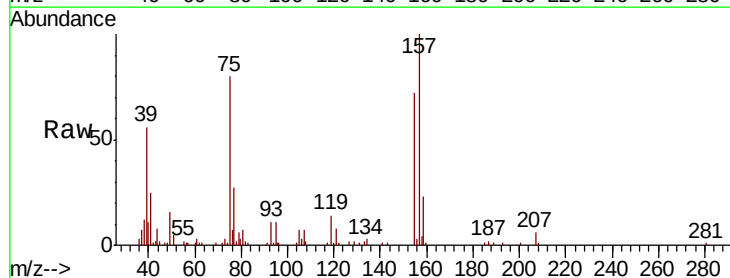
Tgt Ion: 75 Resp: 29101

Ion Ratio Lower Upper

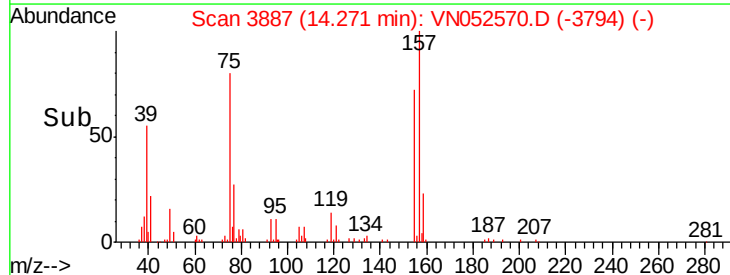
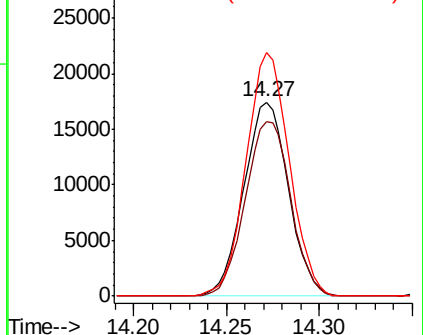
75 100

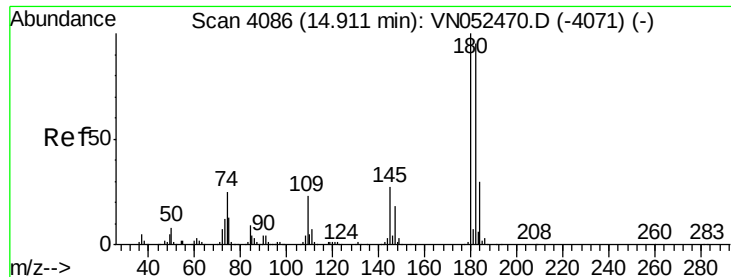
155 91.6 45.3 135.9

157 121.5 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

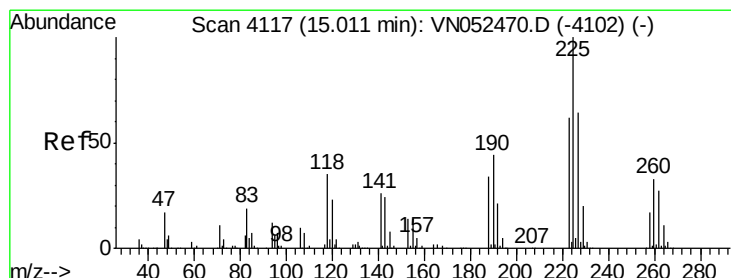
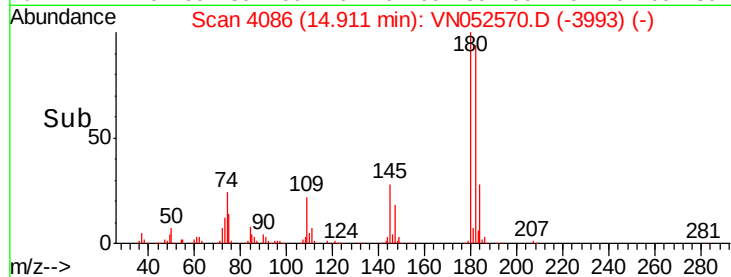
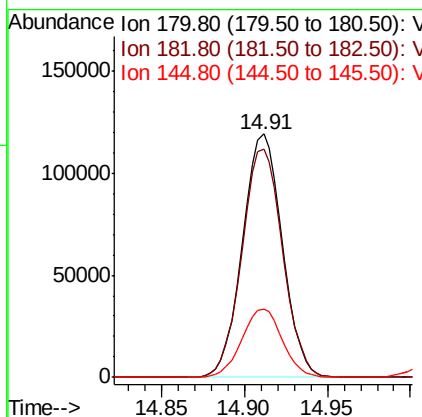
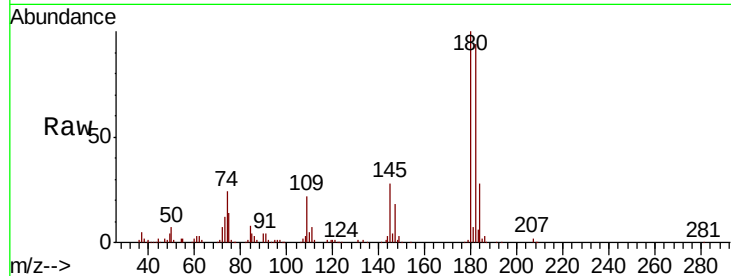




#93
 1,2,4-Trichlorobenzene
 Concen: 19.005 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

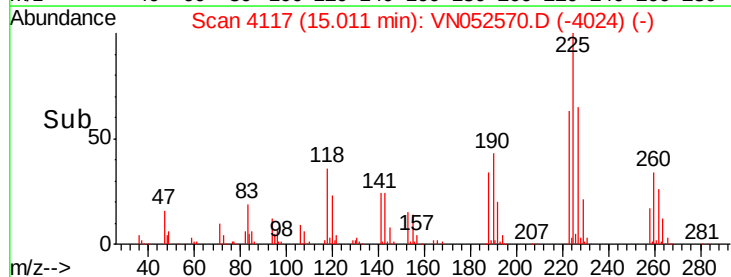
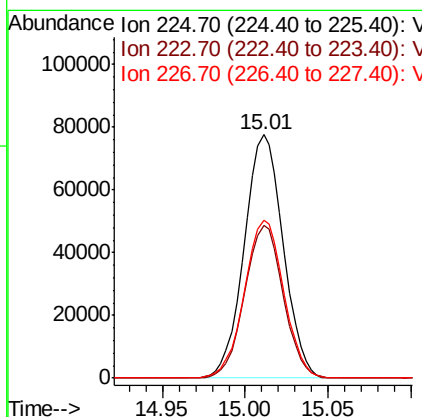
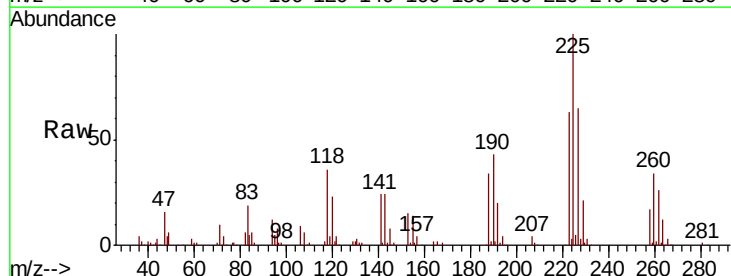
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

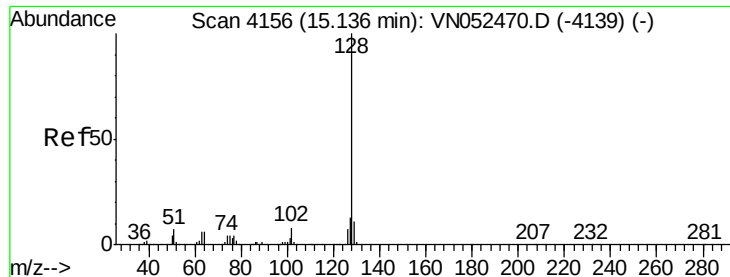
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.4
145	28.4	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 18.544 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052570.D
 Acq: 29 Nov 2018 17:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.2
227	65.5	32.5	97.4





#95

Naphthalene

Concen: 18.655 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

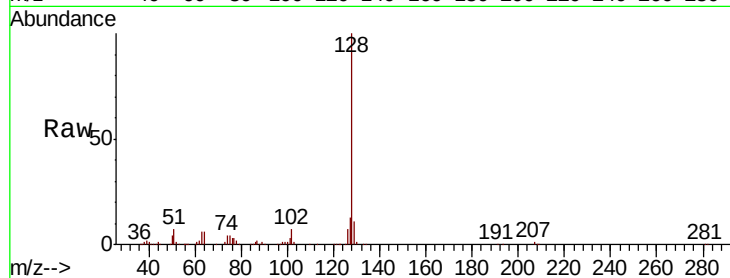
Tot Ion:128 Resp: 402969

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.7 13.1

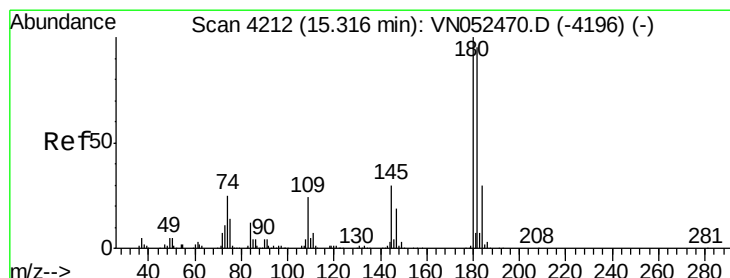
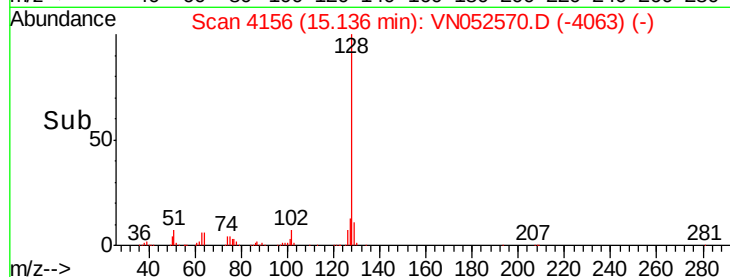
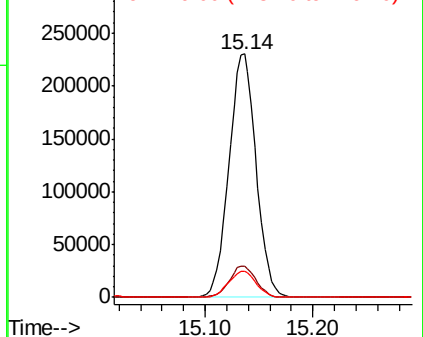


Abundance

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: 19.036 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052570.D

Acq: 29 Nov 2018 17:31

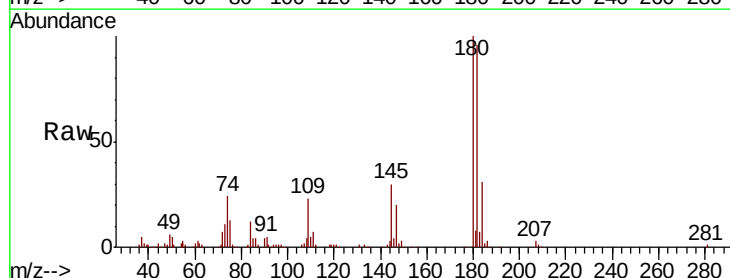
Tgt Ion:180 Resp: 184346

Ion Ratio Lower Upper

180 100

182 97.7 47.8 143.3

145 30.3 15.2 45.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

