

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052590.D
 Acq On : 30 Nov 2018 3:17
 Operator : MD\SY
 Sample : VN1129WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

Quant Time: Nov 30 04:04:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	171907	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	971770	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	839864	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	345700	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	381962	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1174364	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	174200	17.792	ug/l 99
3) Chloromethane	2.06	50	232495	17.905	ug/l 100
4) Vinyl Chloride	2.19	62	242093	18.473	ug/l 97
5) Bromomethane	2.58	94	140139	18.754	ug/l 99
6) Chloroethane	2.71	64	148320	19.031	ug/l 99
7) Trichlorofluoromethane	3.02	101	302056	18.676	ug/l 99
8) Diethyl Ether	3.41	74	113958	19.082	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	180618	17.616	ug/l 97
10) 1,1-Dichloroethene	3.74	96	181114	18.787	ug/l 98
11) Methyl Iodide	3.96	142	253133	18.912	ug/l 99
12) Methyl Acetate	4.33	43	155733	19.013	ug/l 99
13) Acrolein	3.61	56	85781	89.155	ug/l 100
14) Acrylonitrile	4.99	53	330920	94.819	ug/l 97
15) Acetone	3.82	58	68992	76.333	ug/l 99
16) Carbon Disulfide	4.06	76	525757	17.226	ug/l 99
17) Allyl chloride	4.33	41	299790	17.832	ug/l 98
18) Methylene Chloride	4.55	84	209272	18.749	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	193192	18.622	ug/l 94
20) Diisopropyl ether	5.95	45	662830	18.761	ug/l 99
21) 1,1-Dichloroethane	5.85	63	378169	18.780	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	225904	19.000	ug/l 96
23) tert-Butyl Alcohol	4.78	59	53163	102.400	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	492208	19.463	ug/l 97
25) Chloroform	7.37	83	375211	19.314	ug/l 99
26) Cyclohexane	7.66	56	337802	17.786	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	281274	18.954	ug/l 99
30) 2-Butanone	6.84	43	360028	90.666	ug/l 99
31) 2,2-Dichloropropane	6.83	77	213244	15.609	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	295776	19.155	ug/l 98
33) Carbon Tetrachloride	7.78	117	260369	19.271	ug/l 97
34) Benzene	8.04	78	865358	19.395	ug/l 98
35) Methacrylonitrile	7.17	41	72785	14.774	ug/l 98
36) 1,2-Dichloroethane	8.12	62	260451	19.264	ug/l 99
37) Trichloroethene	8.84	130	221678	19.594	ug/l 96
38) Methylcyclohexane	9.08	83	320892	17.468	ug/l 98
39) 1,2-Dichloropropane	9.12	63	226141	18.908	ug/l 96
40) Dibromomethane	9.21	93	129779	20.080	ug/l 97

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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 VN1129WBSD02

Quant Time: Nov 30 04:04:47 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	273953	19.185	ug/l	98
42) Vinyl Acetate	5.90	43	2033210	94.633	ug/l	99
43) Ethyl Acetate	6.93	43	166220	19.686	ug/l #	69
44) Isopropyl Acetate	8.17	43	301358	20.350	ug/l #	81
45) 1,4-Dioxane	9.20	88	36375	449.002	ug/l	91
46) Methyl methacrylate	9.20	41	151968	19.765	ug/l	100
47) n-amyl Acetate	12.07	43	233636	19.028	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	250063	18.061	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	305896	18.134	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	183066	19.982	ug/l	99
51) Ethyl methacrylate	10.43	69	226924	19.722	ug/l	97
52) 1,3-Dichloropropane	10.71	76	318195	19.513	ug/l	99
53) Dibromochloromethane	10.90	129	195897	19.422	ug/l	99
54) 1,2-Dibromoethane	11.01	107	180124	20.121	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	668059	99.190	ug/l	99
56) Bromoform	12.13	173	124941	18.951	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	843050	103.540	ug/l	99
59) 2-Hexanone	10.75	43	545319	98.042	ug/l	99
61) Tetrachloroethene	10.63	164	221929	21.455	ug/l	96
62) Toluene	10.16	91	909084	19.635	ug/l	99
64) Chlorobenzene	11.43	112	557200	19.717	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196839	20.067	ug/l	98
66) Ethyl Benzene	11.51	91	967130	19.381	ug/l	98
67) m/p-Xylenes	11.62	106	727391	39.127	ug/l	98
68) o-Xylene	11.95	106	360521	19.980	ug/l	99
69) Styrene	11.97	104	564047	19.367	ug/l	99
70) Isopropylbenzene	12.25	105	945036	19.685	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	211029	20.207	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	259307	28.924	ug/l	48
73) Bromobenzene	12.53	156	234075	20.159	ug/l	95
74) n-propylbenzene	12.59	91	1058162	18.917	ug/l	99
75) 2-Chlorotoluene	12.68	91	635799	19.582	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	766892	19.777	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48232	17.031	ug/l	96
78) 4-Chlorotoluene	12.77	91	619802	19.115	ug/l	99
79) tert-butylbenzene	12.99	119	675466	20.002	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	771329	19.879	ug/l	100
81) sec-Butylbenzene	13.17	105	903361	19.205	ug/l	100
82) p-Isopropyltoluene	13.29	119	766756	19.143	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	397879	19.483	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	382753	19.399	ug/l	99
85) n-Butylbenzene	13.62	91	604584	17.573	ug/l	99
86) Hexachloroethane	13.88	117	124728	18.379	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	388872	20.010	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28837	19.713	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	179898	18.789	ug/l	99
90) Hexachlorobutadiene	15.01	225	123049	19.591	ug/l	99
91) Naphthalene	15.14	128	379664	19.636	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	174660	19.795	ug/l	98

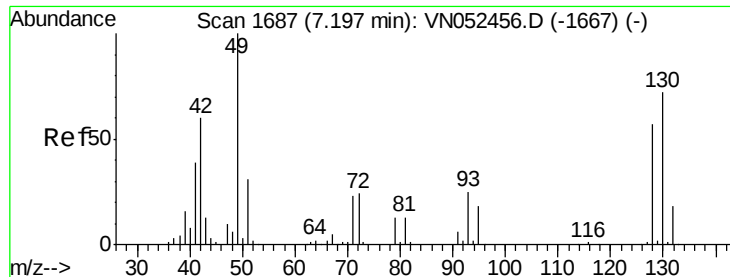
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
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Quant Time: Nov 30 04:04:47 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

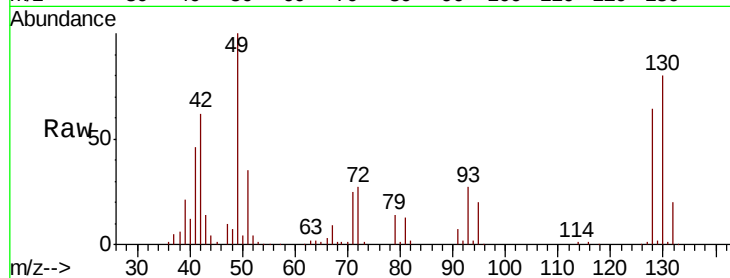
Tot Ion:128 Resp: 171907

Ion Ratio Lower Upper

128 100

49 161.6 0.0 431.8

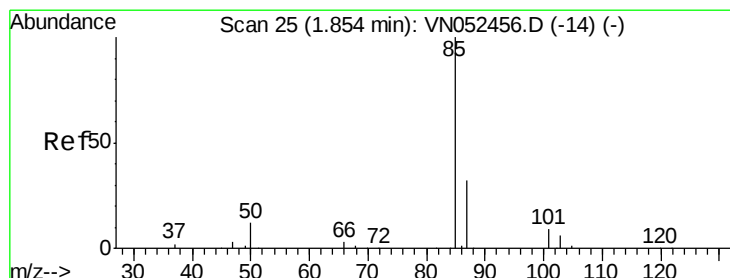
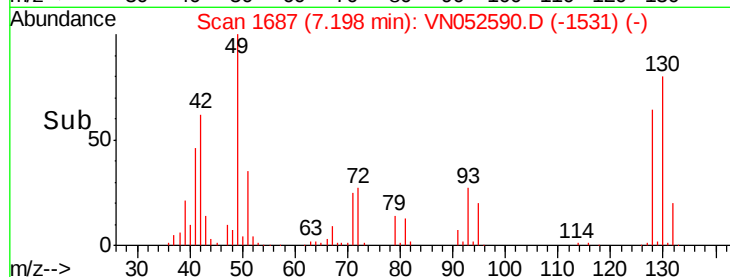
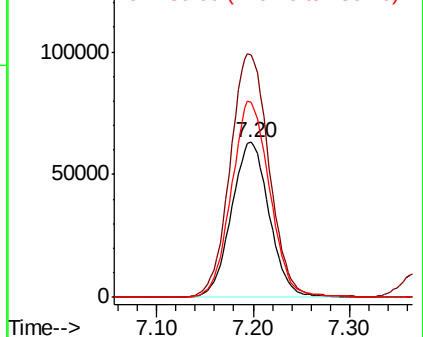
130 127.8 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.792 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052590.D

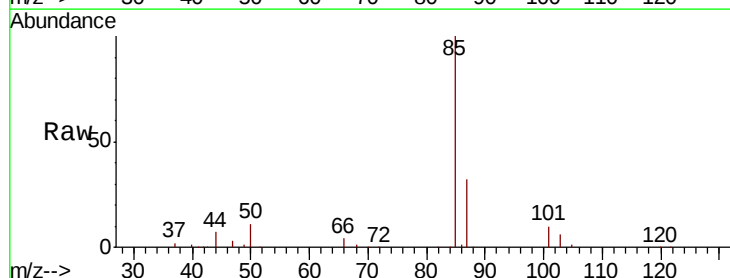
Acq: 30 Nov 2018 3:17

Tgt Ion: 85 Resp: 174200

Ion Ratio Lower Upper

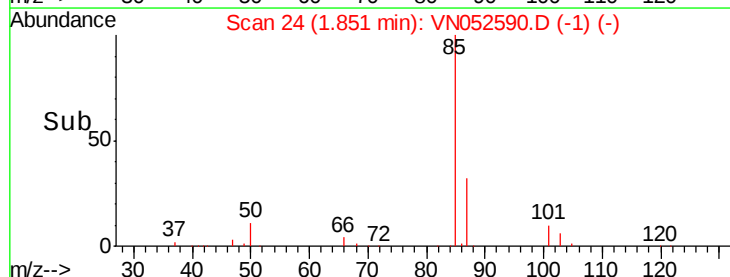
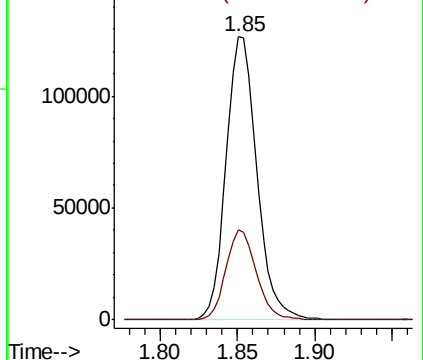
85 100

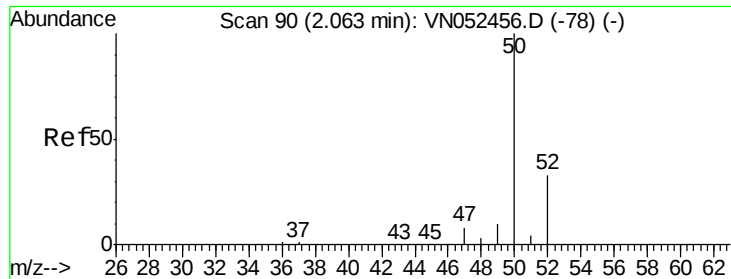
87 31.6 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

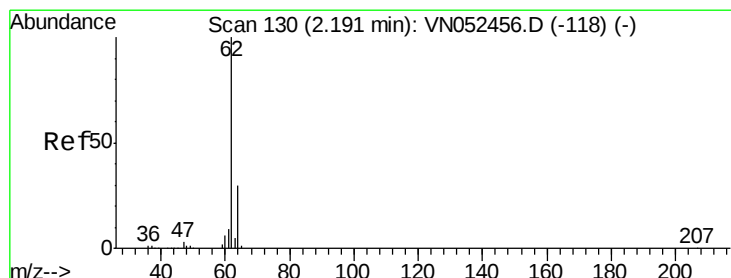
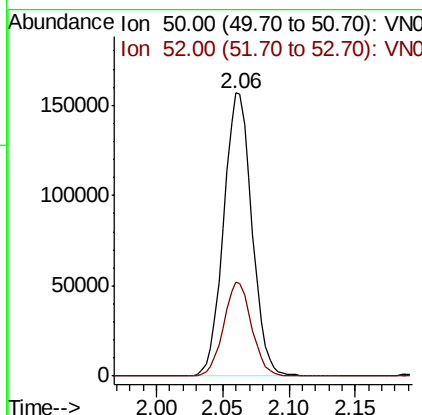
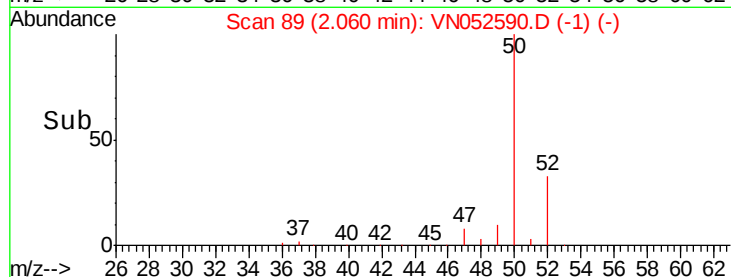
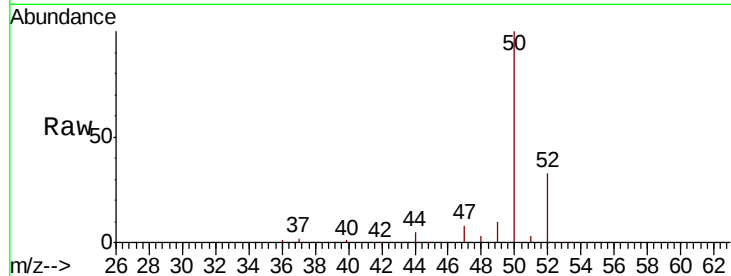




#3
 Chloromethane
 Concen: 17.905 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

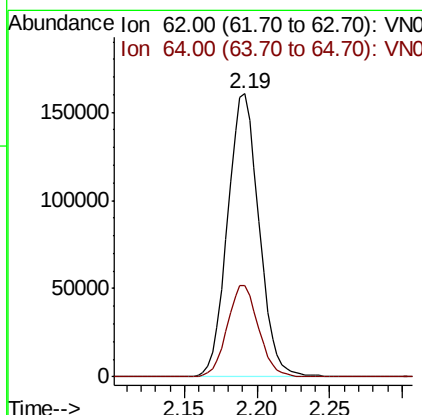
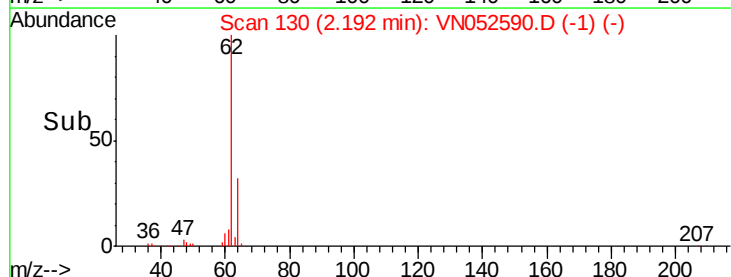
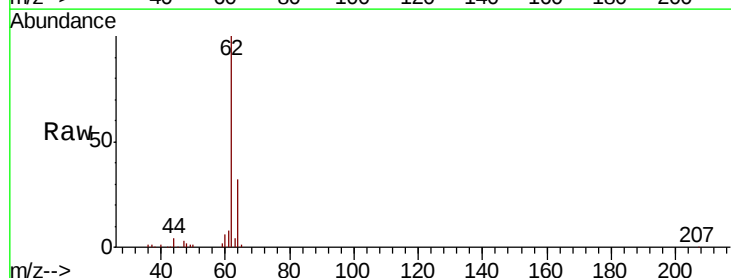
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

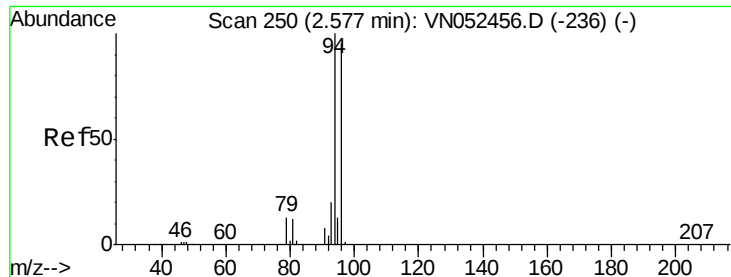
Tot Ion: 50 Resp: 232495
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.5 39.7



#4
 Vinyl Chloride
 Concen: 18.473 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 62 Resp: 242093
 Ion Ratio Lower Upper
 62 100
 64 32.2 24.2 36.4





#5

Bromomethane

Concen: 18.754 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

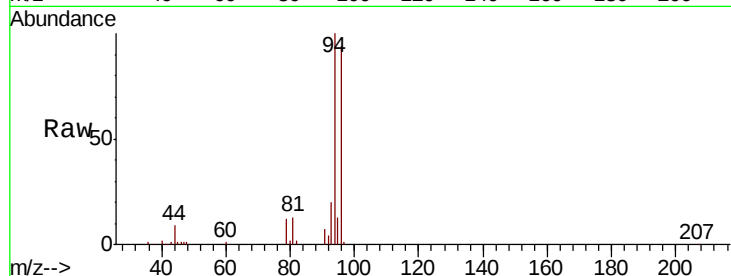
VN1129WBSD02

Tot Ion: 94 Resp: 140139

Ion Ratio Lower Upper

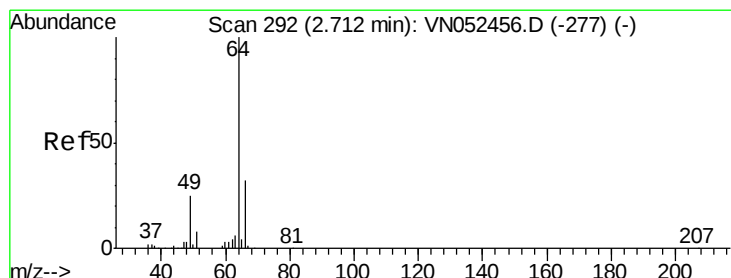
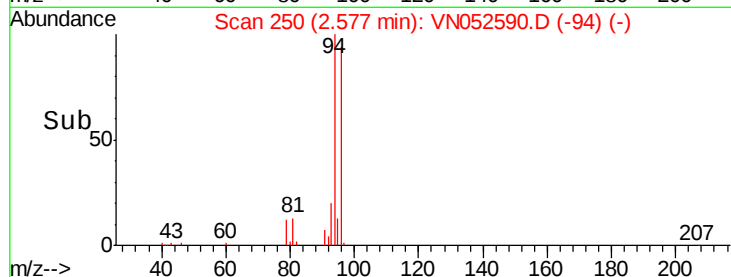
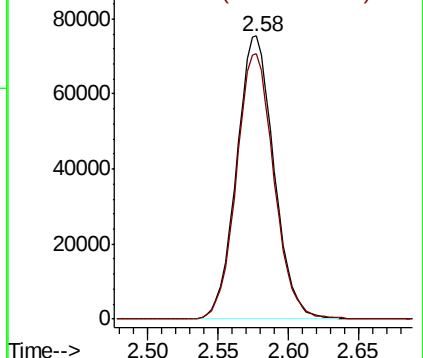
94 100

96 93.8 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.031 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052590.D

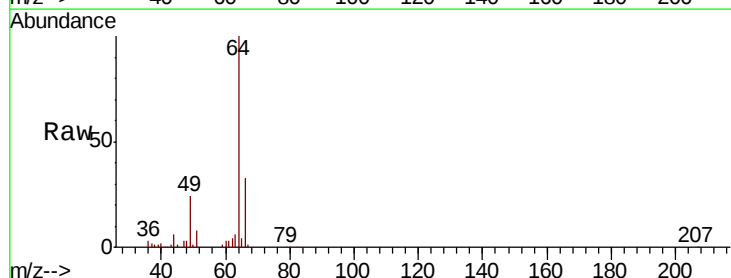
Acq: 30 Nov 2018 3:17

Tgt Ion: 64 Resp: 148320

Ion Ratio Lower Upper

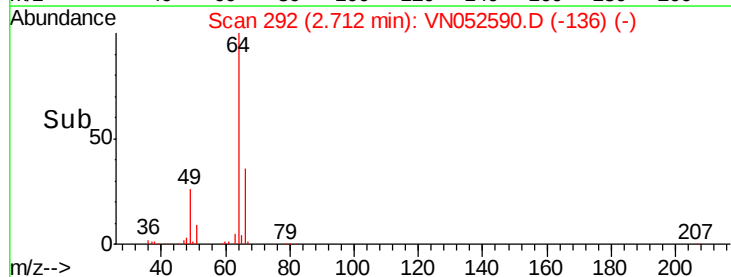
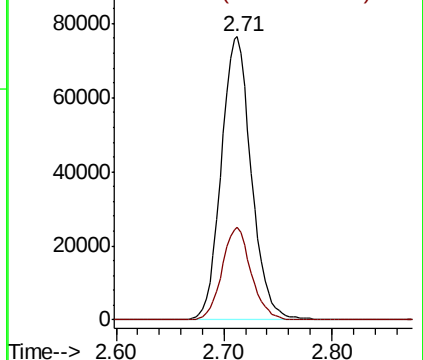
64 100

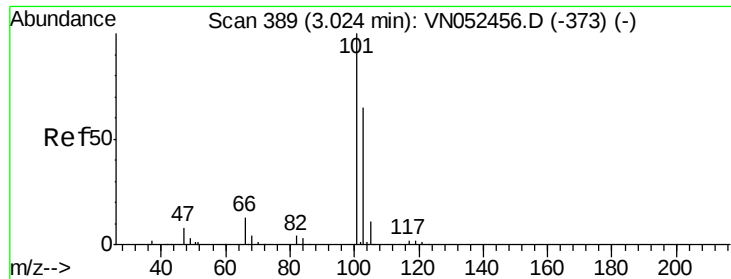
66 32.6 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



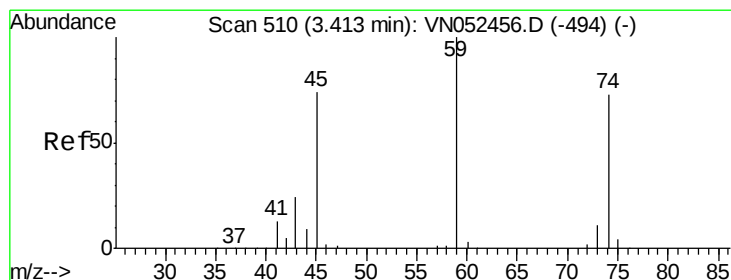
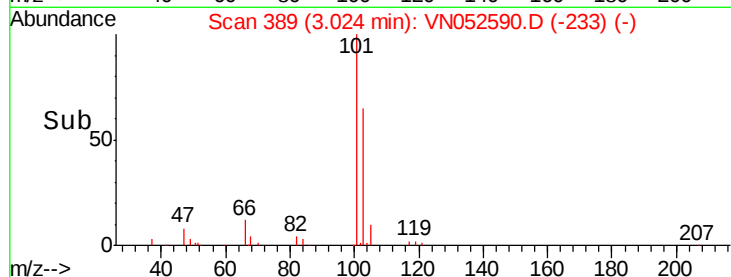
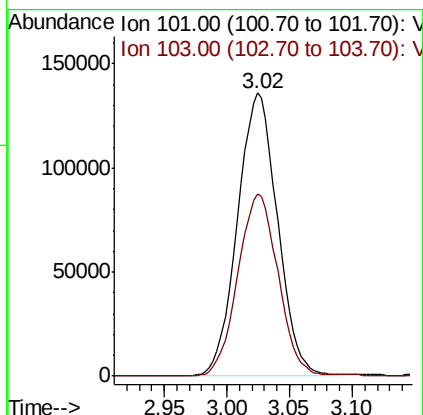
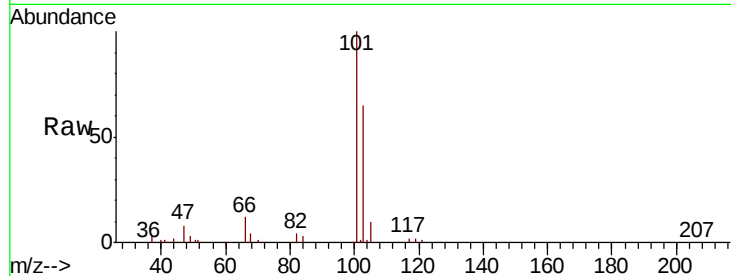


#7

Trichlorofluoromethane
 Concen: 18.676 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

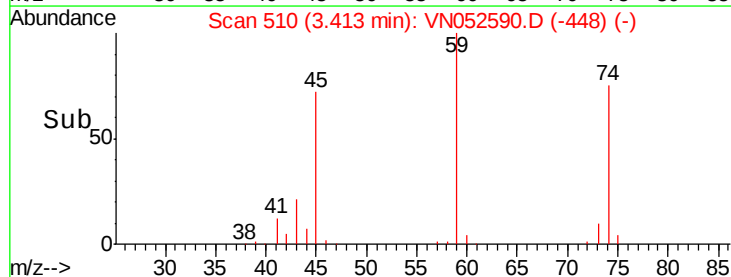
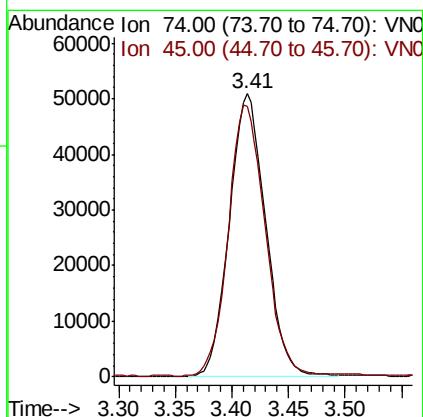
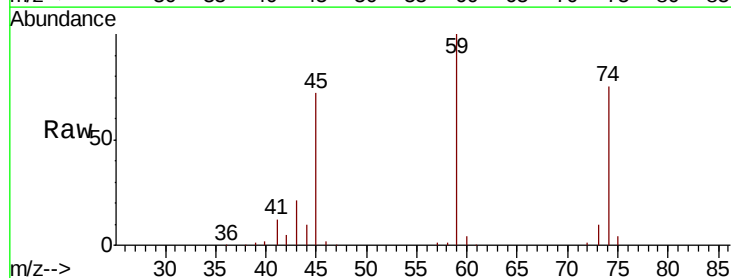
Tot Ion:101 Resp: 302056
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.1 78.1

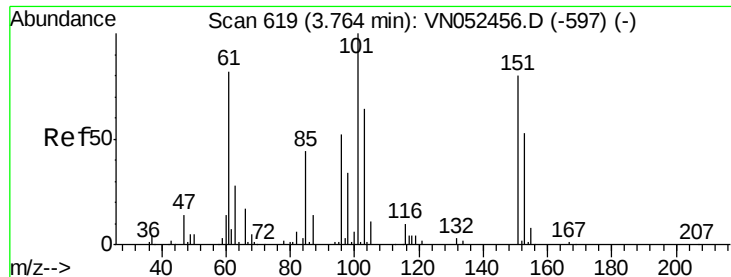


#8

Diethyl Ether
 Concen: 19.082 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 74 Resp: 113958
 Ion Ratio Lower Upper
 74 100
 45 97.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.616 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

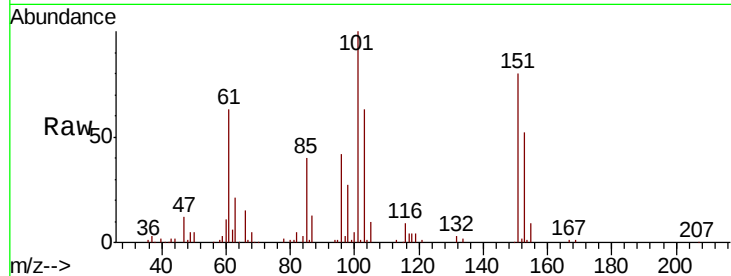
Tot Ion:101 Resp: 180618

Ion Ratio Lower Upper

101 100

85 41.8 0.0 82.6

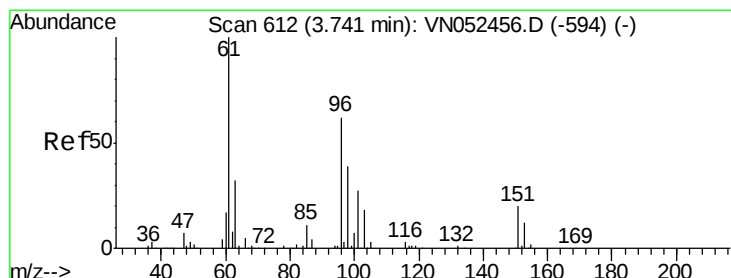
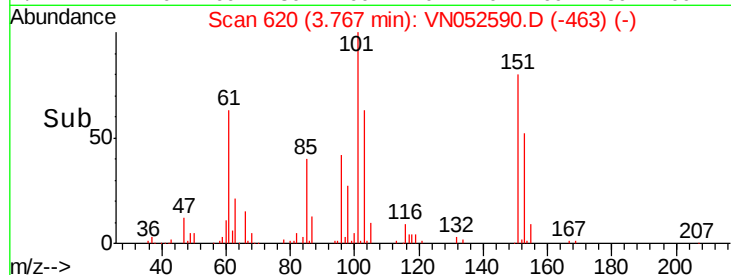
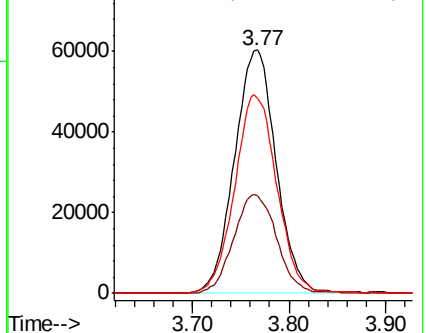
151 82.2 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.787 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

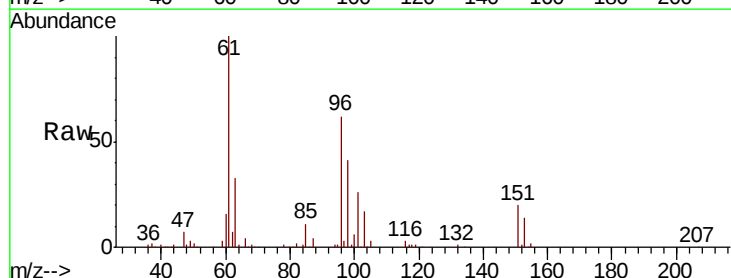
Tgt Ion: 96 Resp: 181114

Ion Ratio Lower Upper

96 100

61 161.1 129.4 194.2

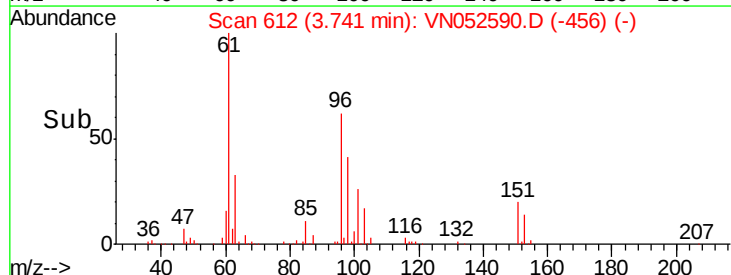
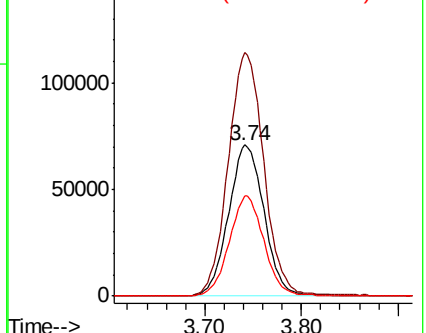
98 66.2 50.4 75.6

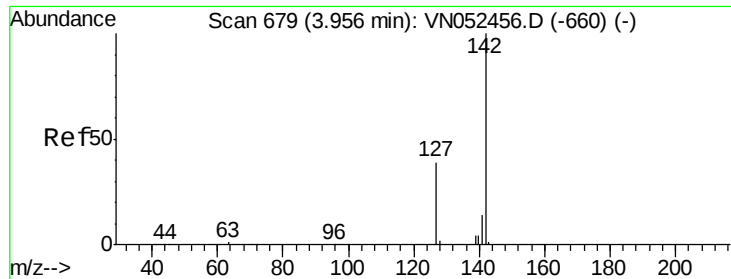


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

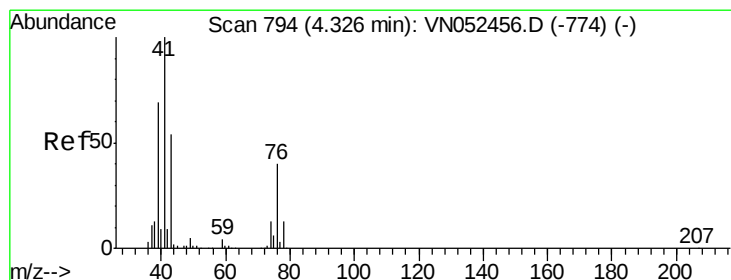
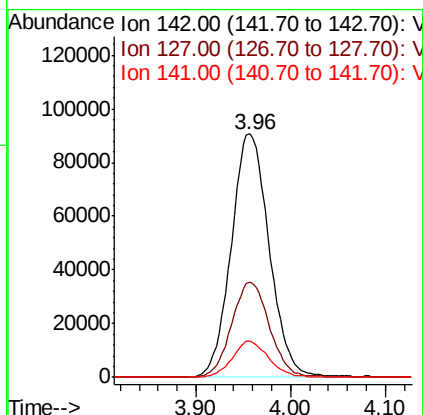
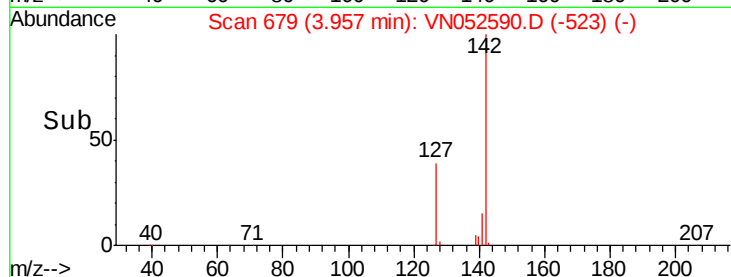
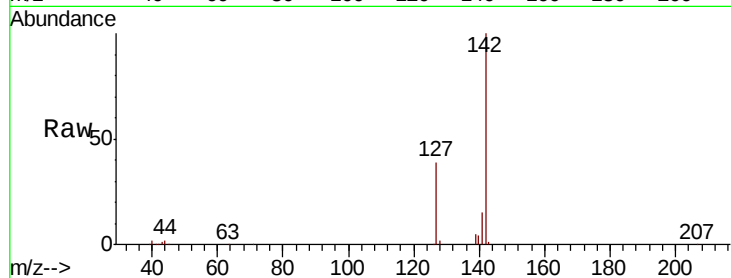




#11
Methvl Iodide
Concen: 18.912 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

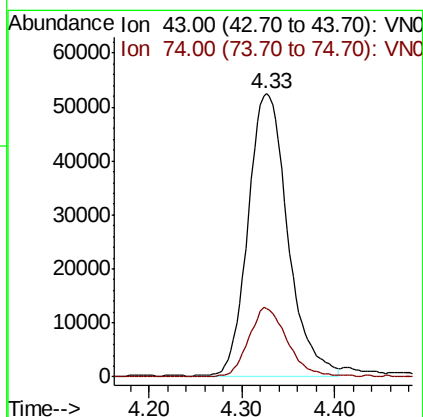
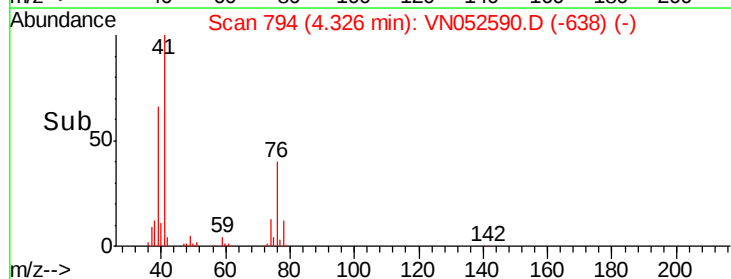
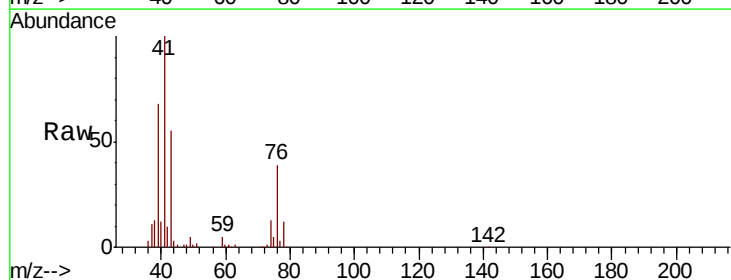
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

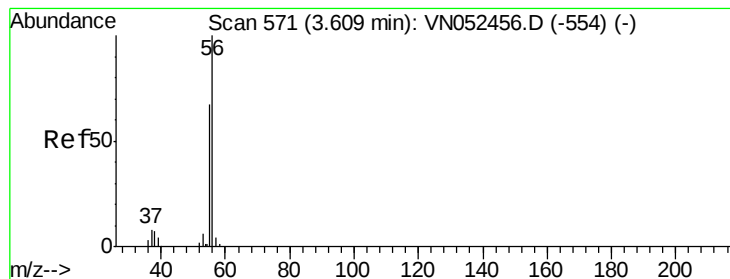
Tot Ion:142 Resp: 253133
Ion Ratio Lower Upper
142 100
127 39.0 19.4 58.1
141 14.9 7.2 21.6



#12
Methyl Acetate
Concen: 19.013 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 43 Resp: 155733
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3





#13

Acrolein

Concen: 89.155 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

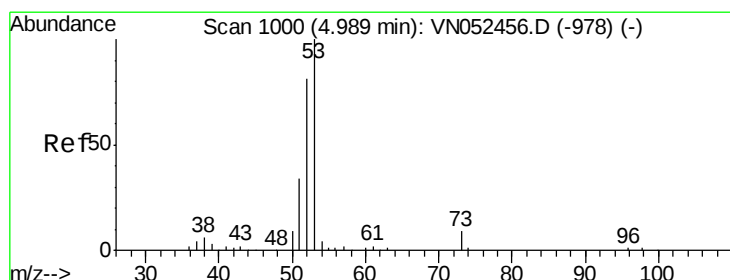
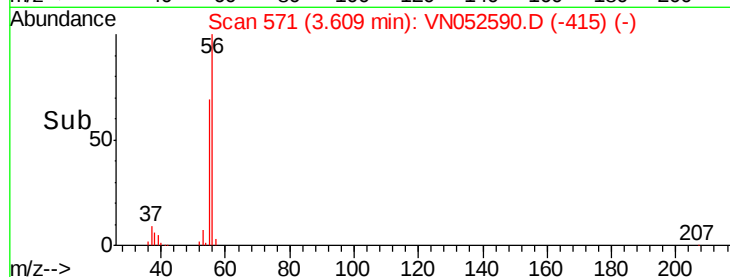
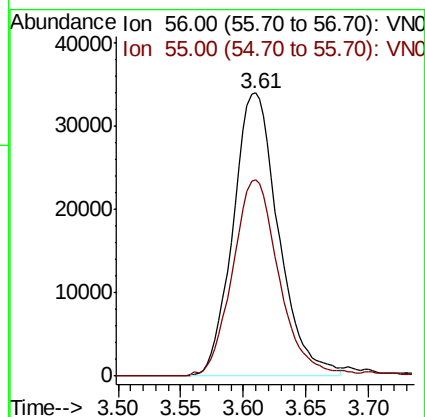
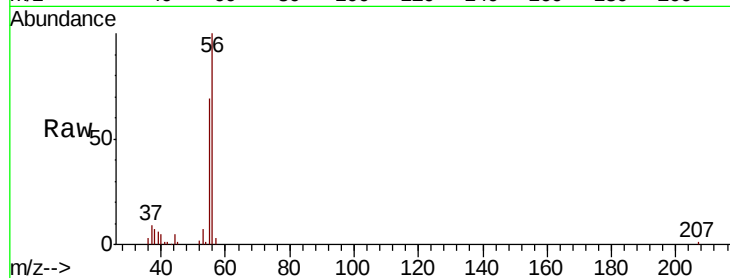
VN1129WBSD02

Tot Ion: 56 Resp: 85781

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Acrylonitrile

Concen: 94.819 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

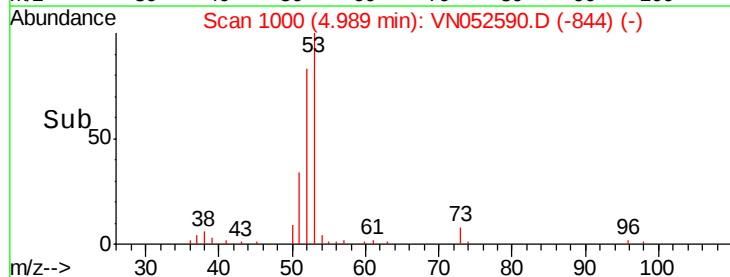
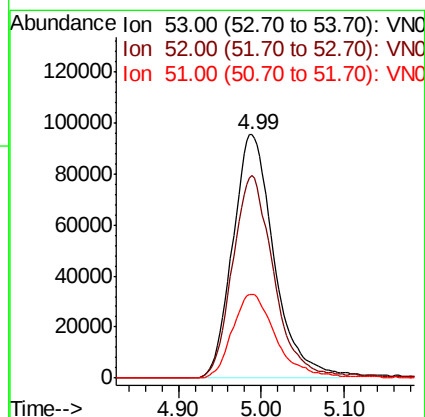
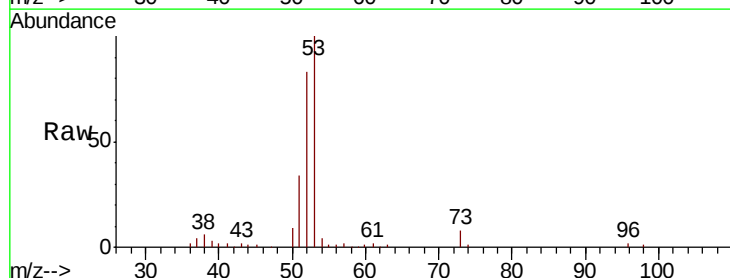
Tgt Ion: 53 Resp: 330920

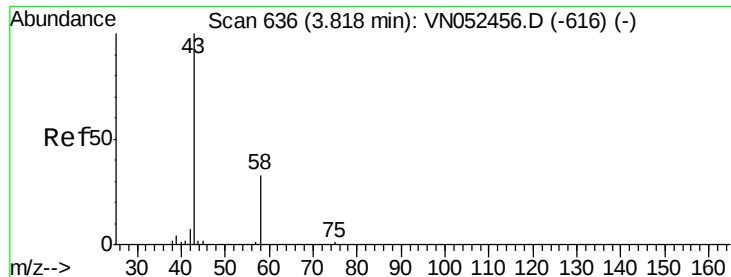
Ion Ratio Lower Upper

53 100

52 82.6 39.9 119.7

51 36.3 17.6 52.9





#15

Acetone

Concen: 76.333 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

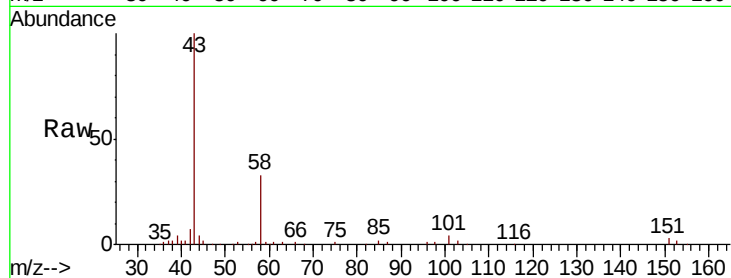
VN1129WBSD02

Tot Ion: 58 Resp: 68992

Ion Ratio Lower Upper

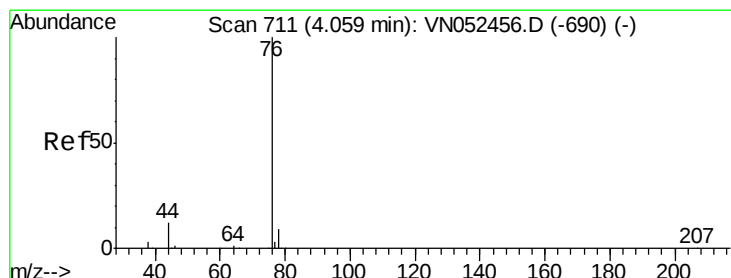
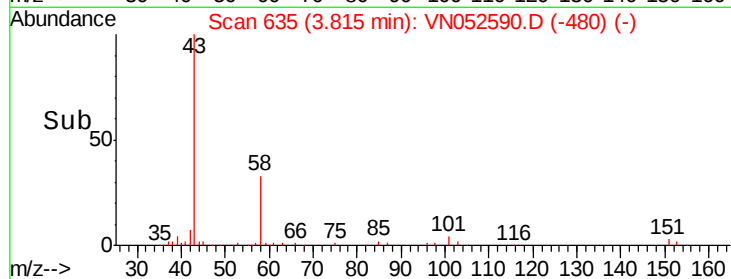
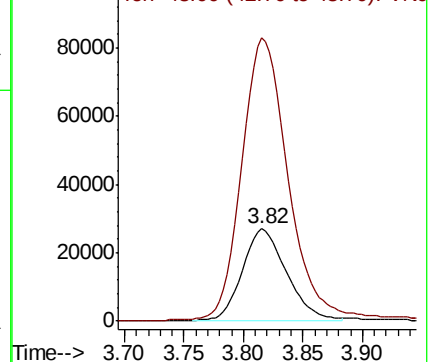
58 100

43 307.1 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.226 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052590.D

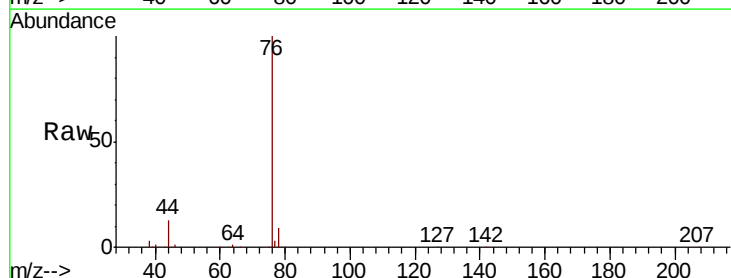
Acq: 30 Nov 2018 3:17

Tgt Ion: 76 Resp: 525757

Ion Ratio Lower Upper

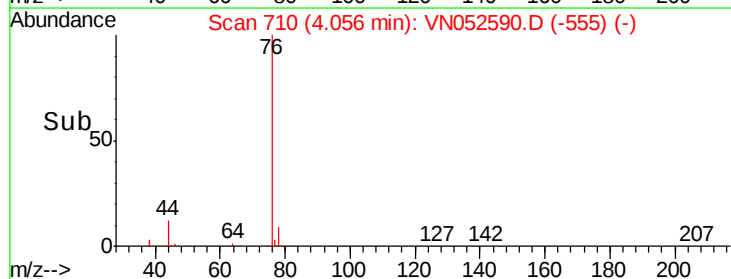
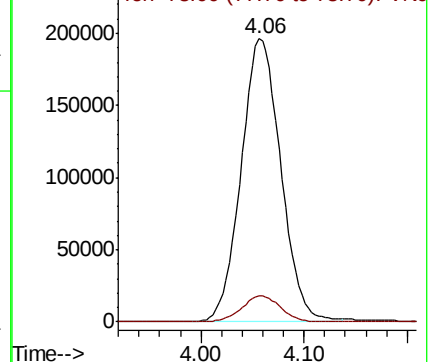
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

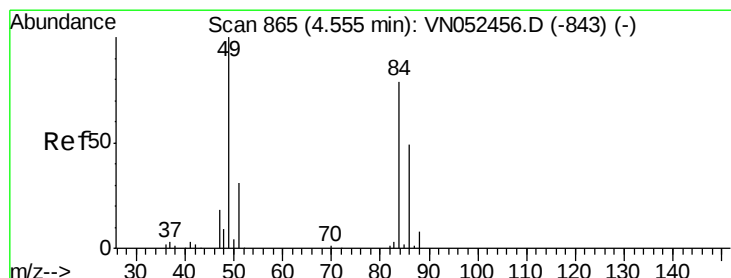
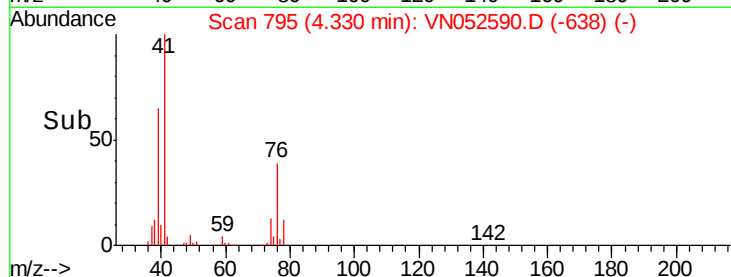
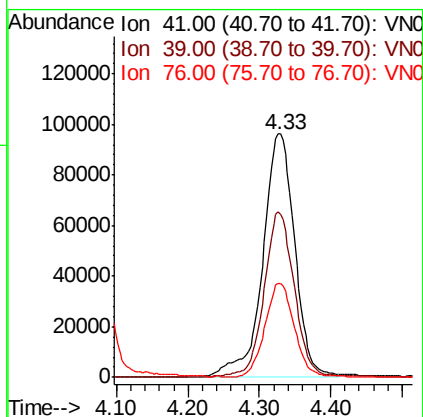
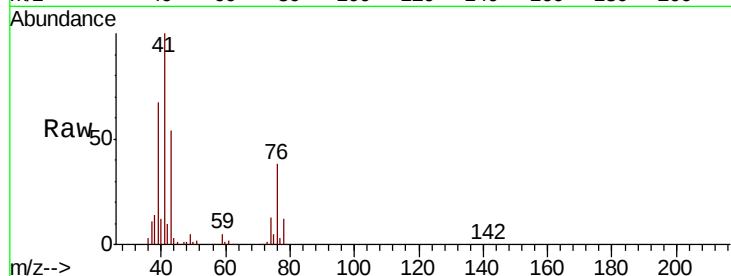




#17
Allvl chloride
Concen: 17.832 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

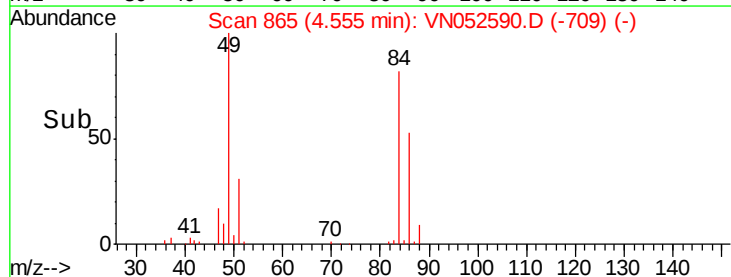
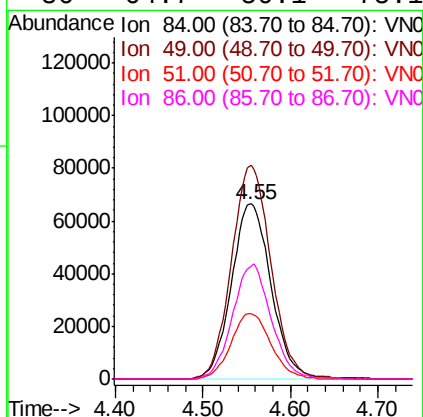
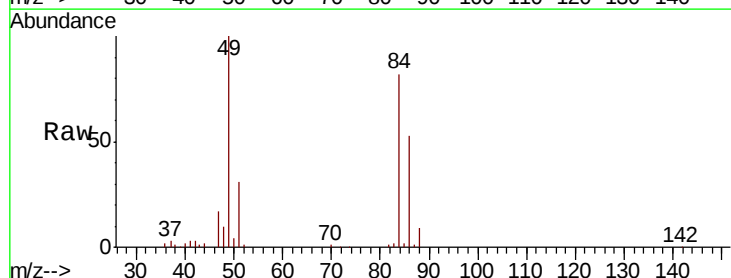
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

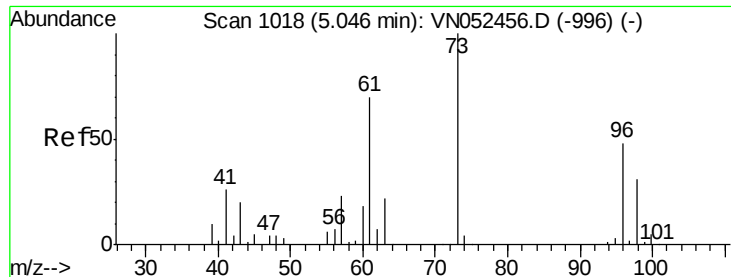
Tot Ion: 41 Resp: 299790
Ion Ratio Lower Upper
41 100
39 67.1 32.8 98.3
76 37.9 18.6 55.8



#18
Methylene Chloride
Concen: 18.749 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 84 Resp: 209272
Ion Ratio Lower Upper
84 100
49 121.9 101.4 152.0
51 37.5 31.7 47.5
86 64.7 50.1 75.1

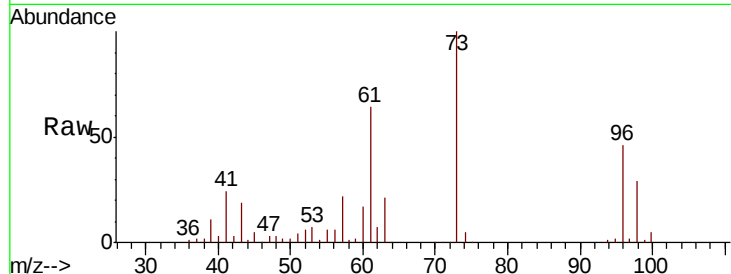




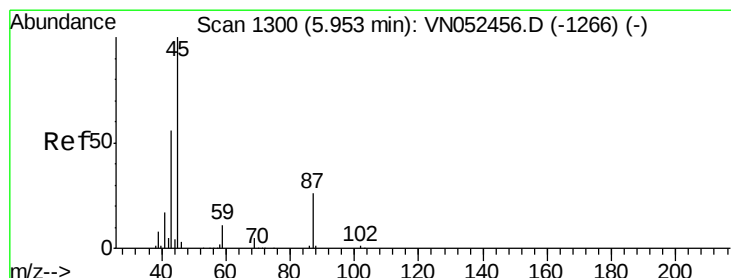
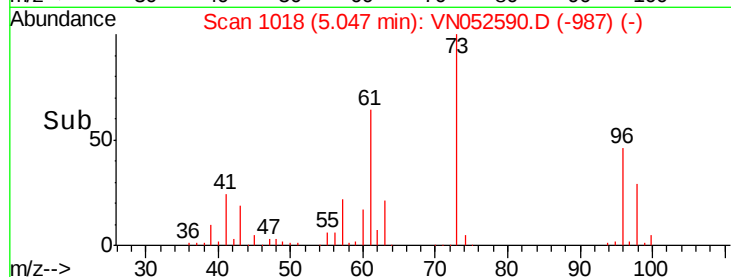
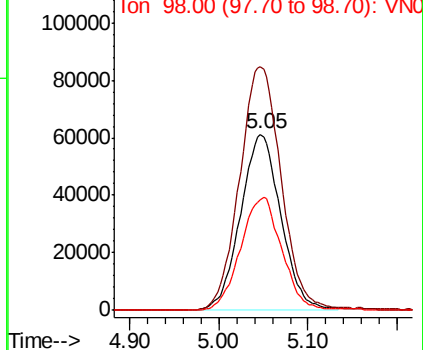
#19
trans-1,2-Dichloroethene
Concen: 18.622 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

Tot Ion: 96 Resp: 193192
Ion Ratio Lower Upper
96 100
61 138.2 118.2 177.4
98 62.6 51.4 77.2

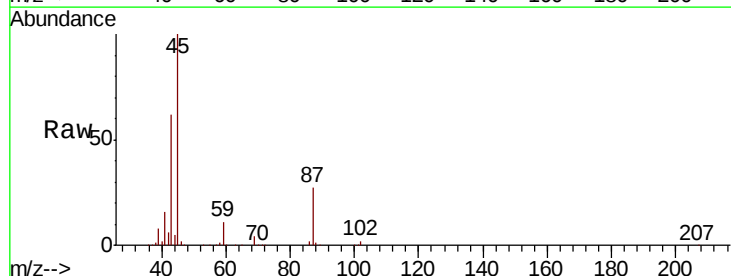


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

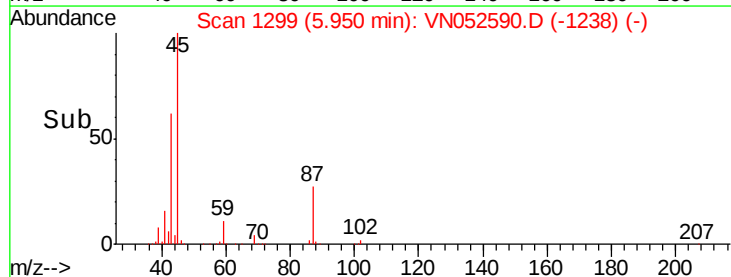
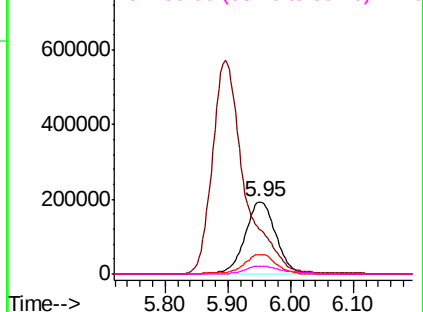


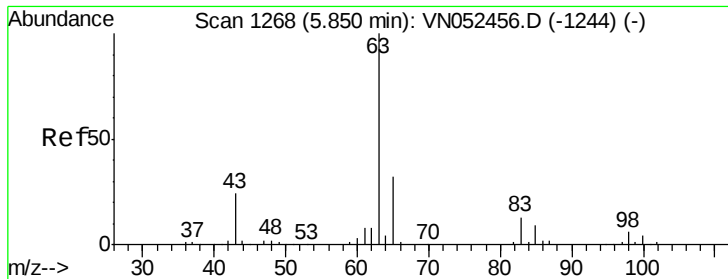
#20
Diisopropyl ether
Concen: 18.761 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 45 Resp: 662830
Ion Ratio Lower Upper
45 100
43 61.0 47.8 71.8
87 27.0 21.3 31.9
59 10.9 8.9 13.3



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

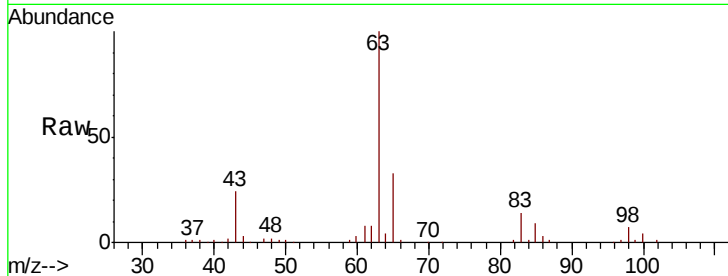




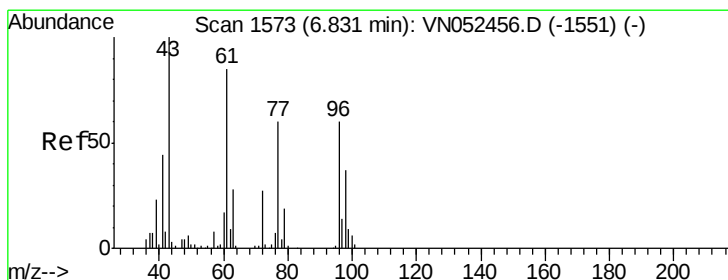
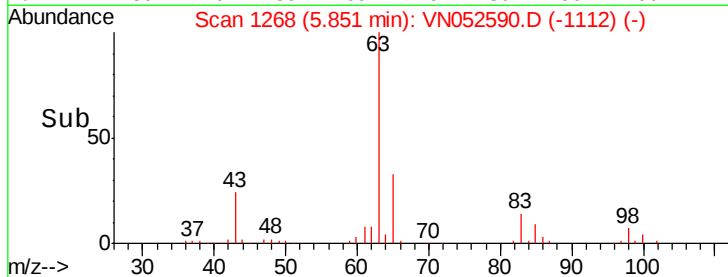
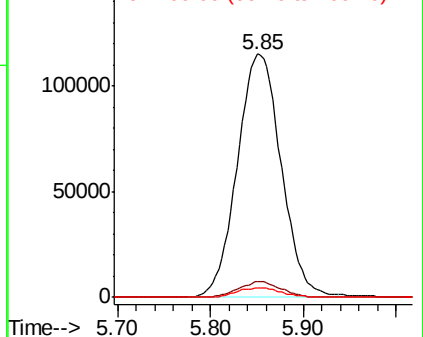
#21
 1,1-Dichloroethane
 Concen: 18.780 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.0	9.2
100	4.0	1.8	5.5

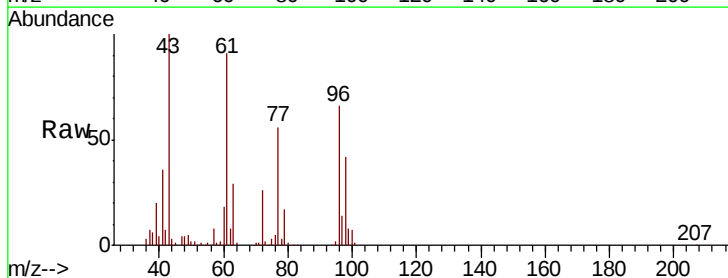


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

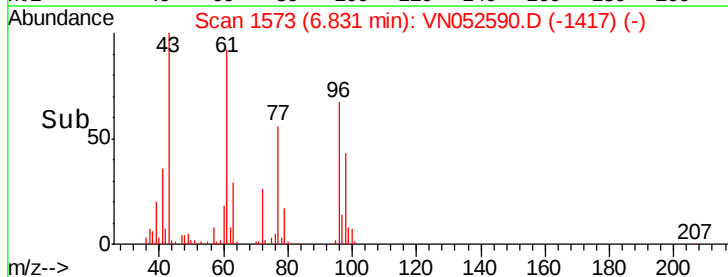
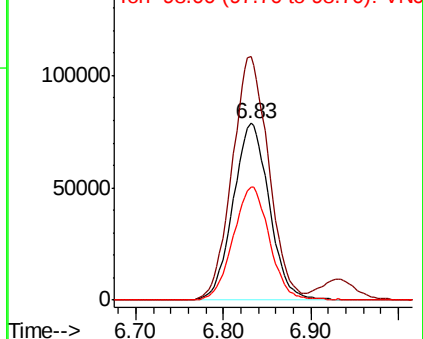


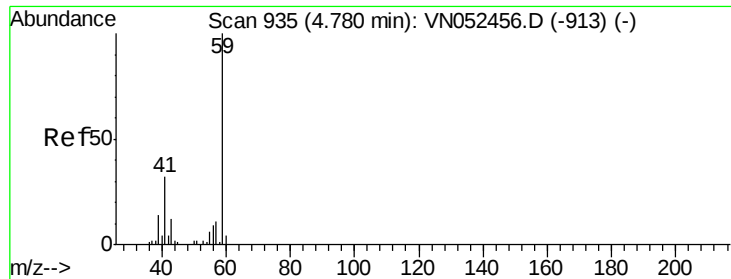
#22
 cis-1,2-Dichloroethene
 Concen: 19.000 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.1	116.7	175.1
98	64.2	50.8	76.2



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



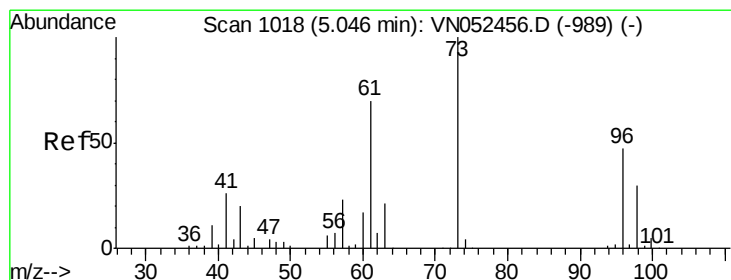
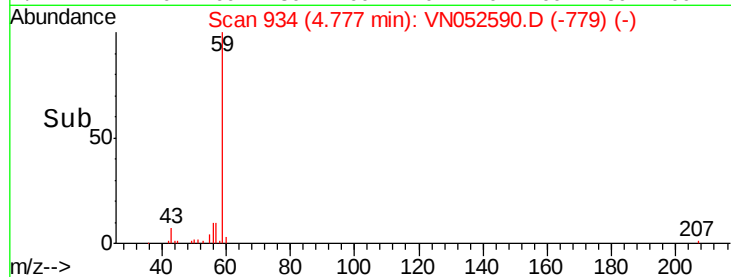
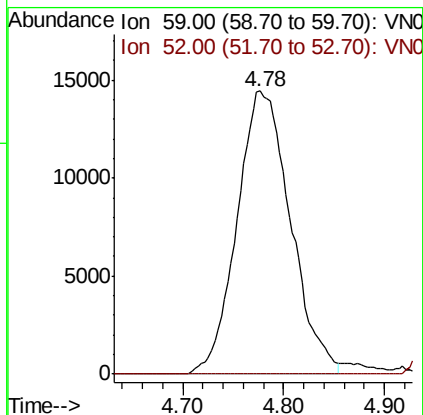
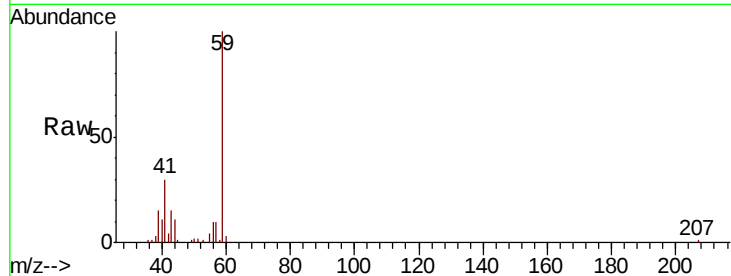


#23

tert-Butyl Alcohol
 Concen: 102.400 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

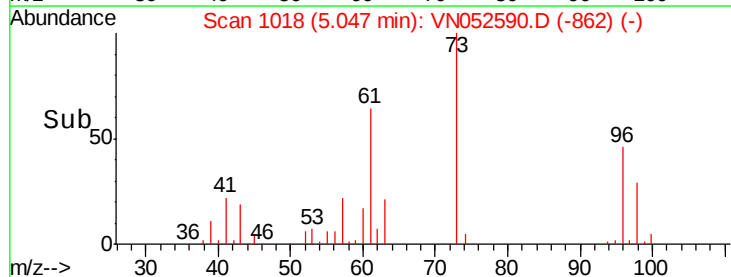
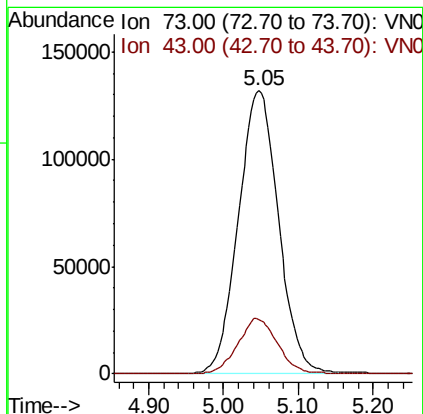
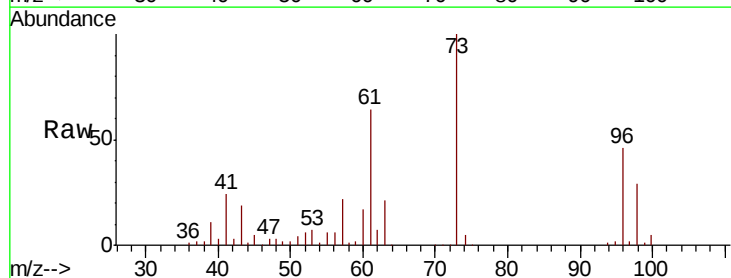
Tot Ion: 59 Resp: 53163
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

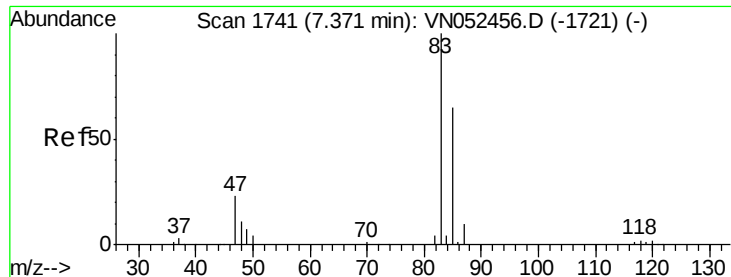


#24

Methyl tert-Butyl Ether
 Concen: 19.463 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 73 Resp: 492208
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.8 23.8

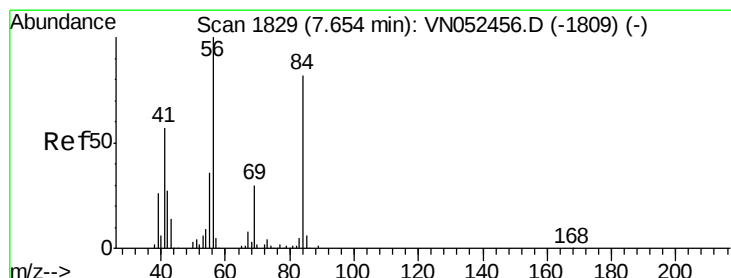
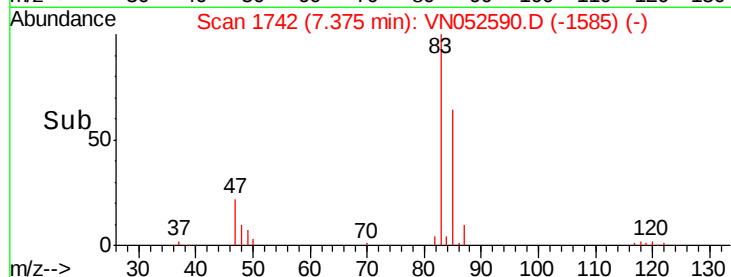
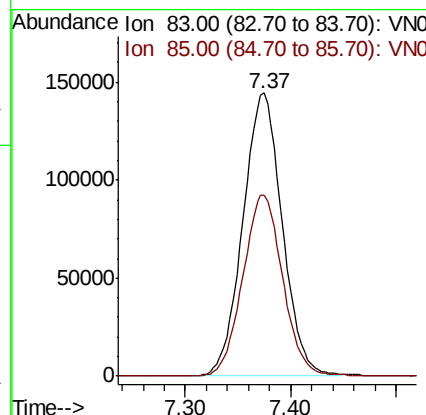
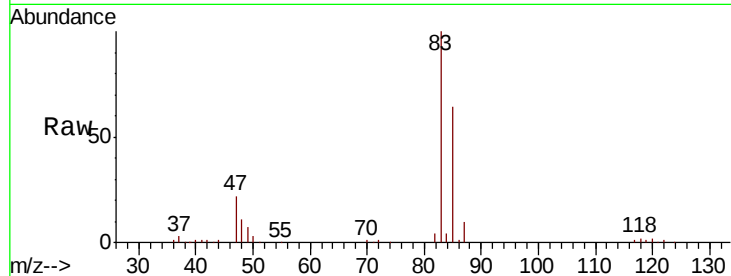




#25
Chloroform
Concen: 19.314 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

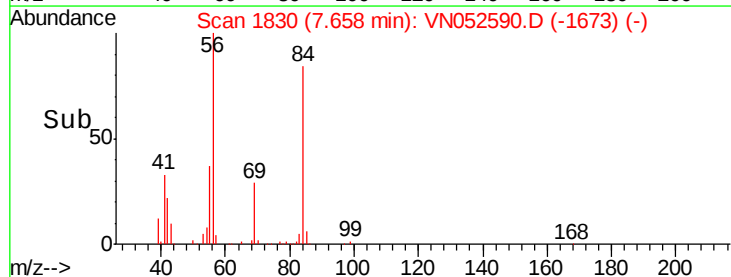
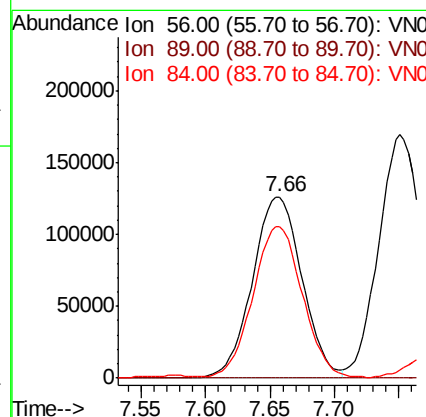
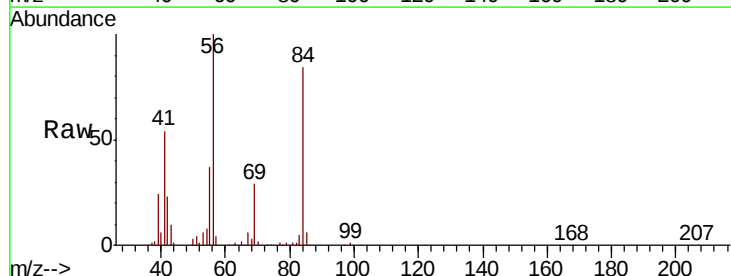
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

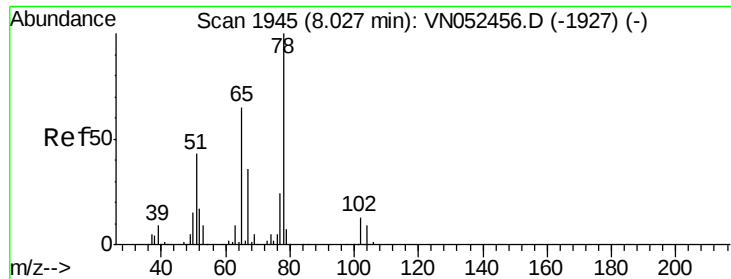
Tot Ion: 83 Resp: 375211
Ion Ratio Lower Upper
83 100
85 63.7 51.7 77.5



#26
Cyclohexane
Concen: 17.786 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 56 Resp: 337802
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.6 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 17.786 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

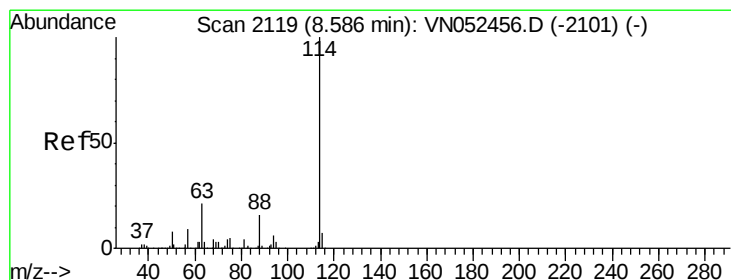
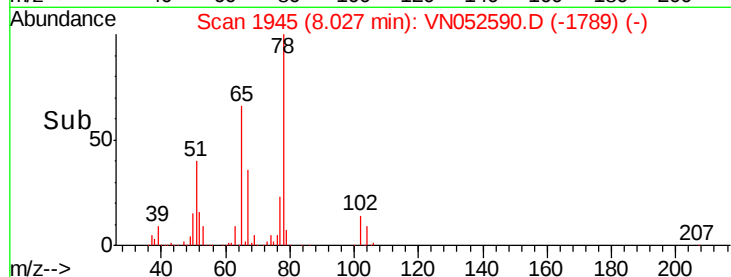
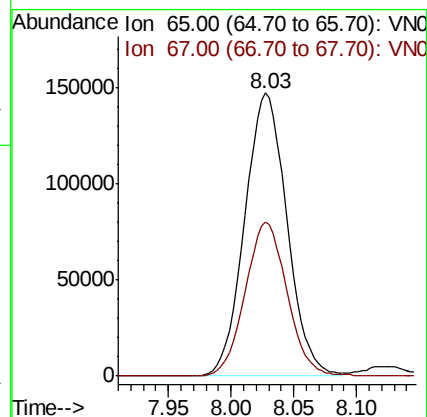
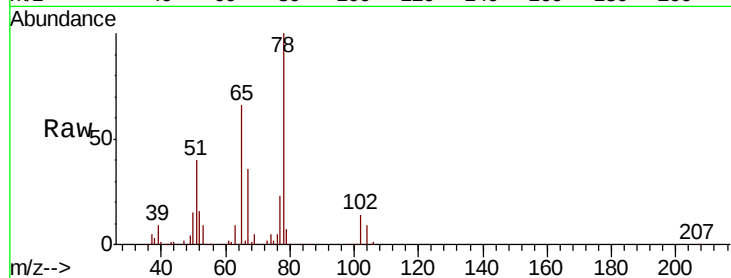
VN1129WBSD02

Tot Ion: 65 Resp: 345700

Ion Ratio Lower Upper

65 100

67 54.2 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

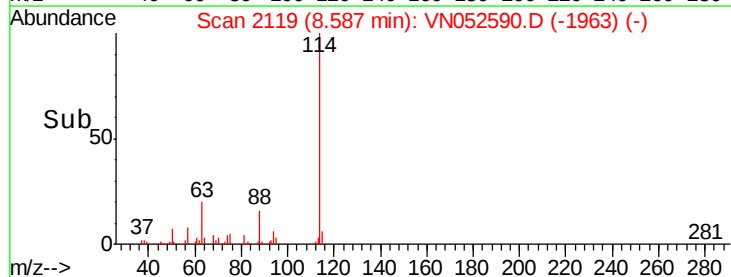
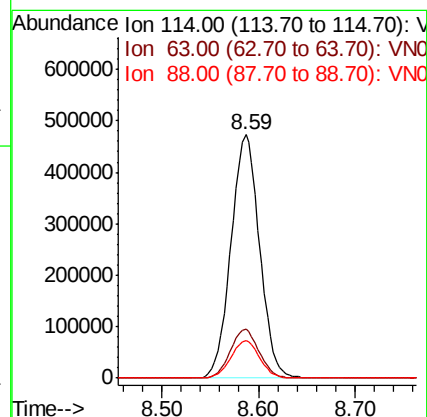
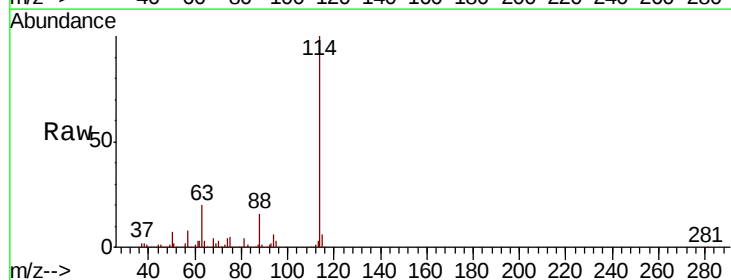
Tgt Ion: 114 Resp: 971770

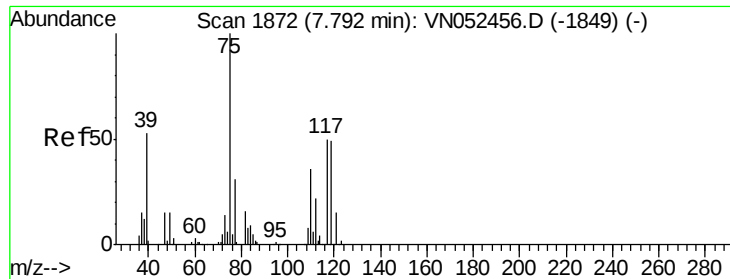
Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

88 15.4 12.8 19.2





#29

1,1-Dichloropropene

Concen: 18.954 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

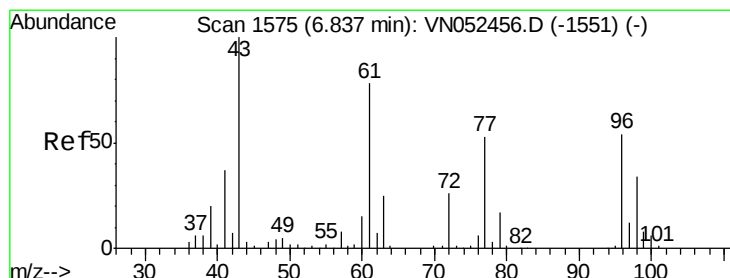
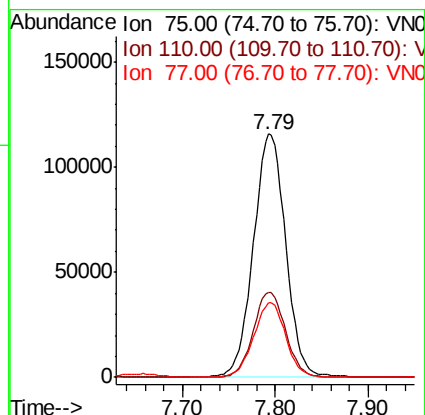
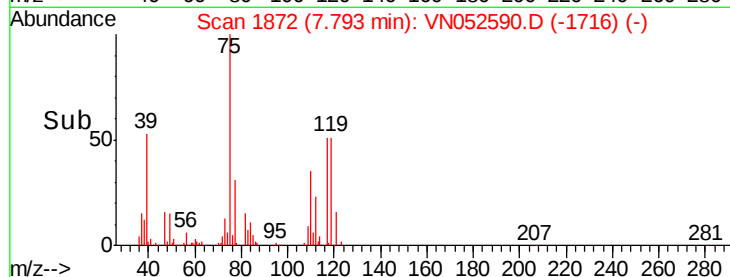
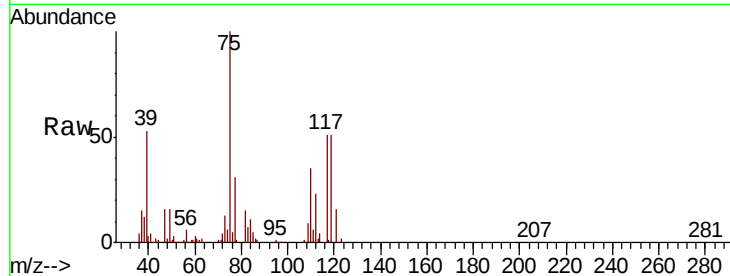
Tot Ion: 75 Resp: 281274

Ion Ratio Lower Upper

75 100

110 34.9 0.0 70.2

77 30.6 0.0 62.6



#30

2-Butanone

Concen: 90.666 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

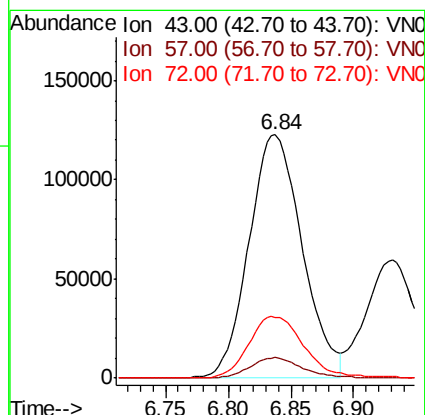
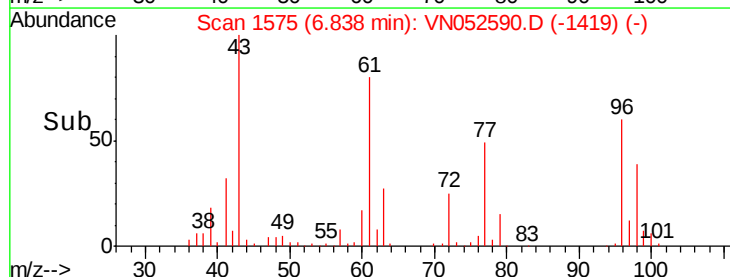
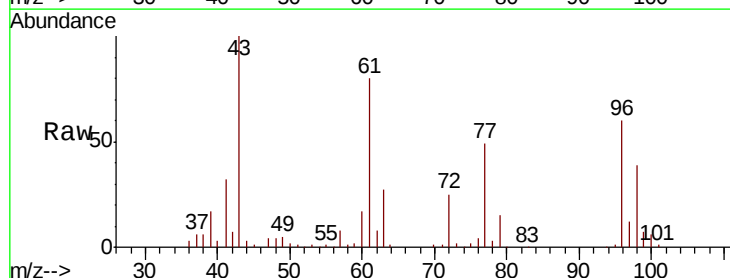
Tgt Ion: 43 Resp: 360028

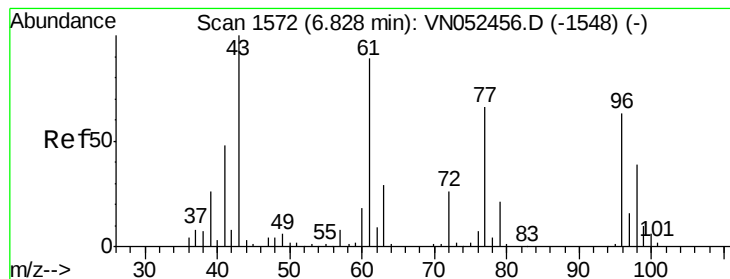
Ion Ratio Lower Upper

43 100

57 8.3 6.2 9.4

72 26.7 21.0 31.6





#31

2,2-Dichloropropane

Concen: 15.609 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

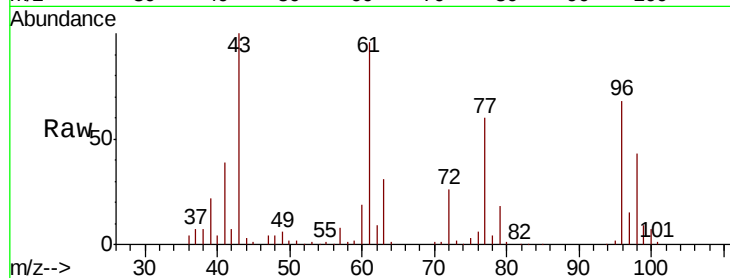
VN1129WBSD02

Tot Ion: 77 Resp: 213244

Ion Ratio Lower Upper

77 100

97 24.6 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.83

80000

60000

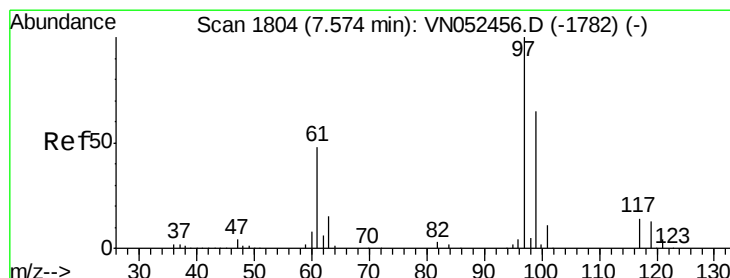
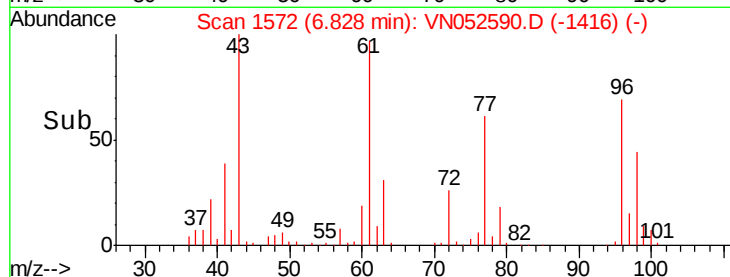
40000

20000

0

Time-->

6.70 6.80 6.90



#32

1,1,1-Trichloroethane

Concen: 19.155 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

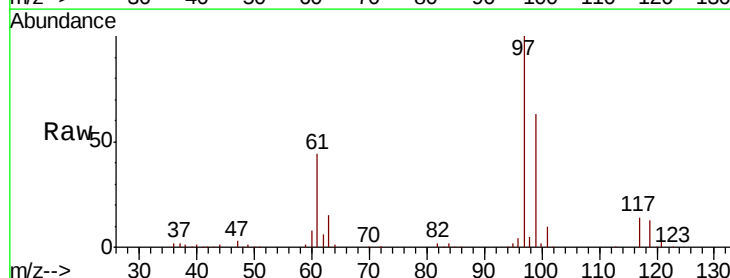
Tgt Ion: 97 Resp: 295776

Ion Ratio Lower Upper

97 100

99 65.0 50.9 76.3

61 45.8 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

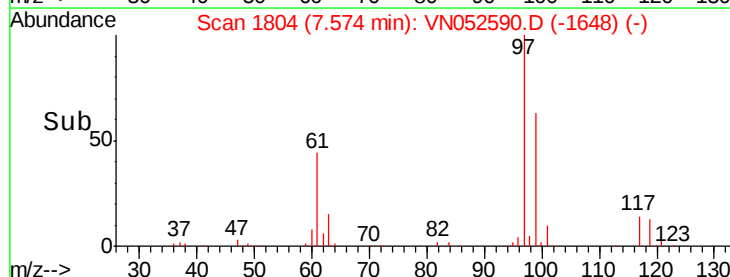
100000

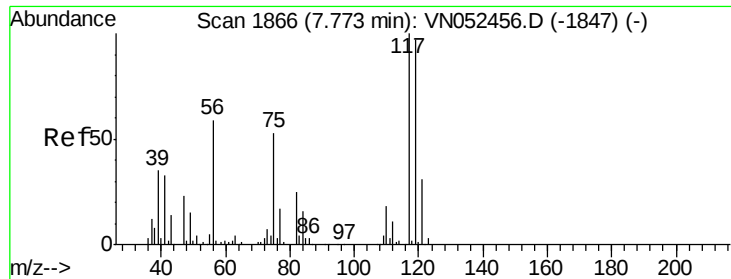
50000

0

Time-->

7.50 7.60 7.70

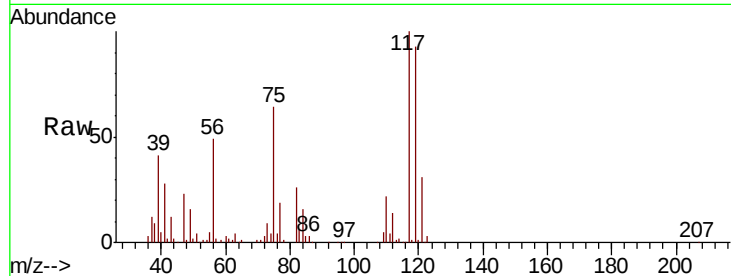




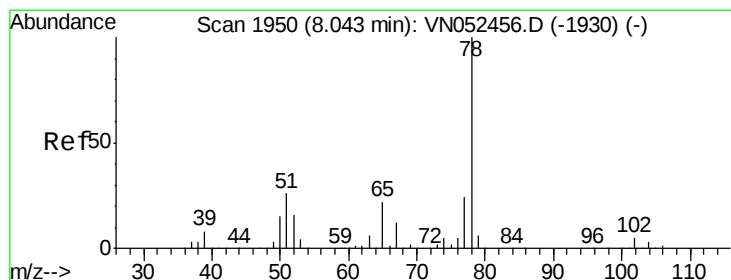
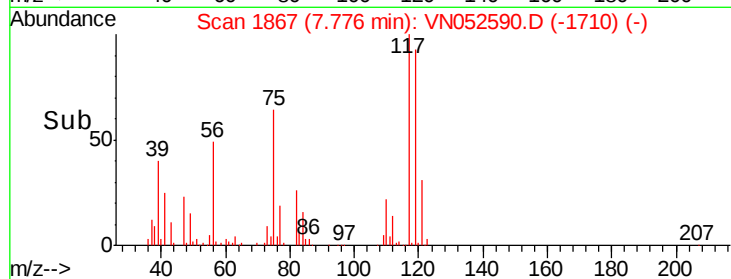
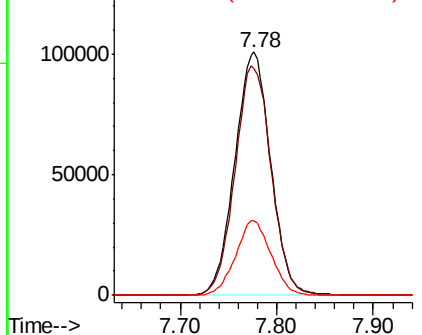
#33
Carbon Tetrachloride
Concen: 19.271 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

Tot Ion:117 Resp: 260369
Ion Ratio Lower Upper
117 100
119 93.4 77.3 115.9
121 30.8 24.9 37.3

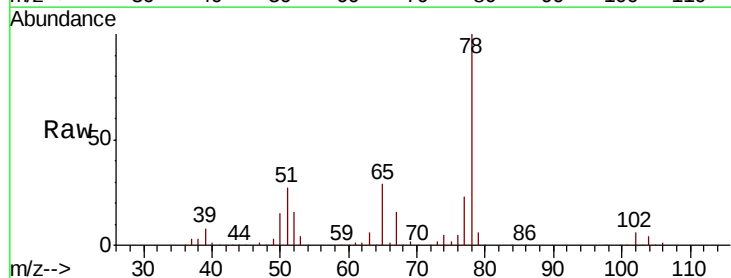


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

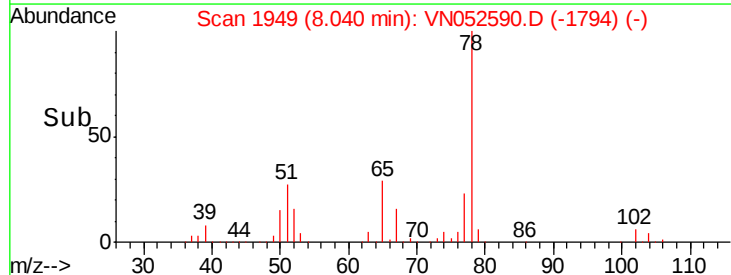
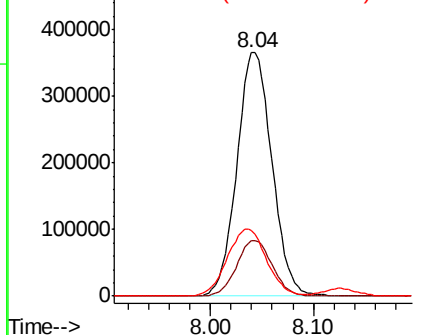


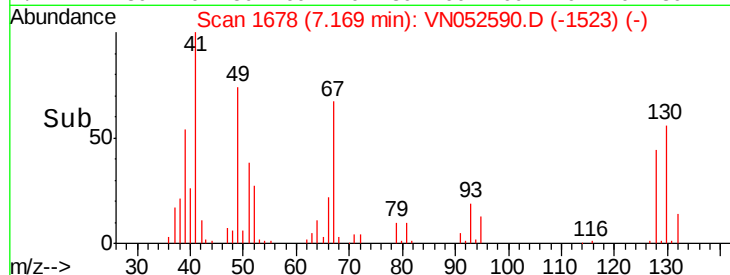
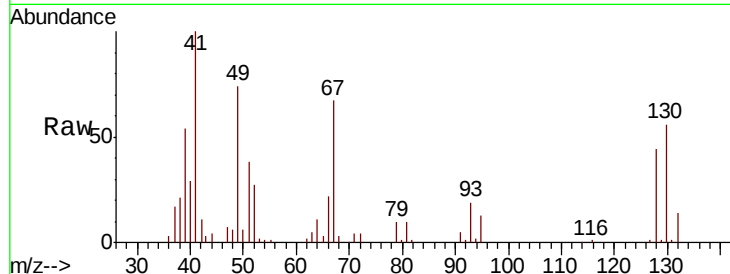
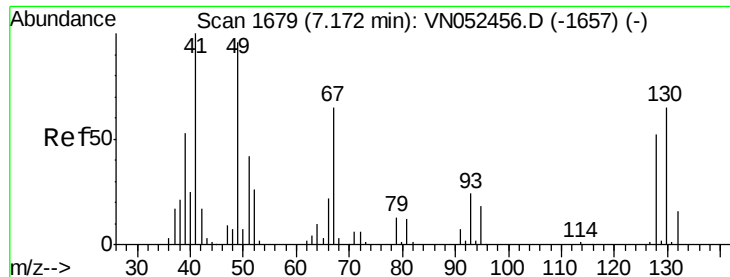
#34
Benzene
Concen: 19.395 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 78 Resp: 865358
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6
51 26.9 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

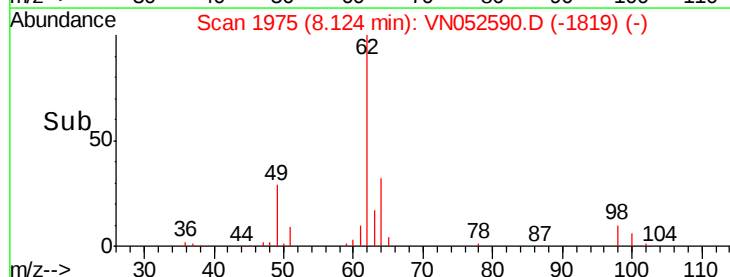
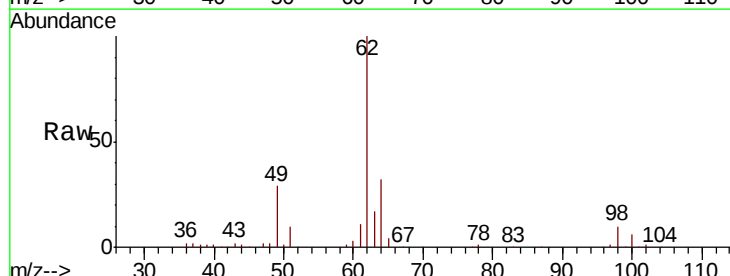
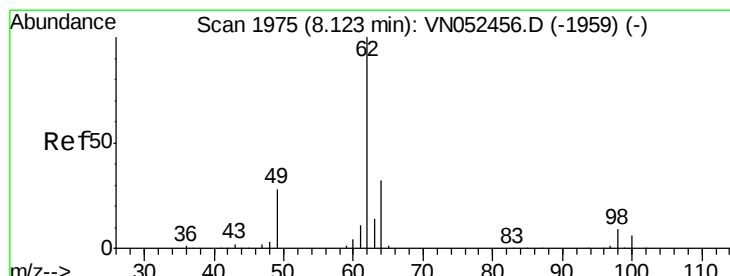
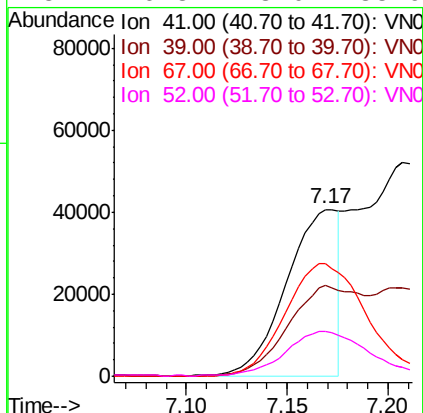




#35
Methacrylonitrile
Concen: 14.774 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

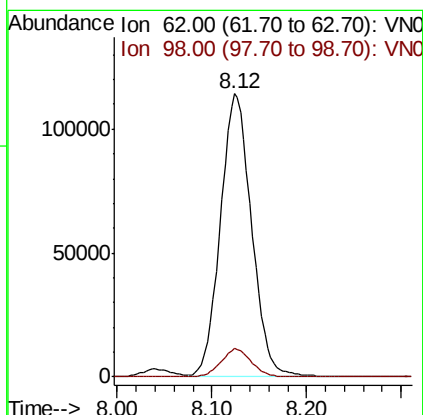
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

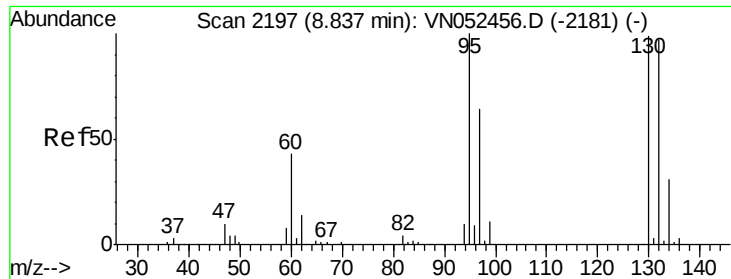
Tot Ion: 41 Resp: 72785
Ion Ratio Lower Upper
41 100
39 54.2 26.6 79.7
67 67.3 32.3 96.9
52 26.8 13.0 38.9



#36
1,2-Dichloroethane
Concen: 19.264 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 62 Resp: 260451
Ion Ratio Lower Upper
62 100
98 9.8 7.4 11.2

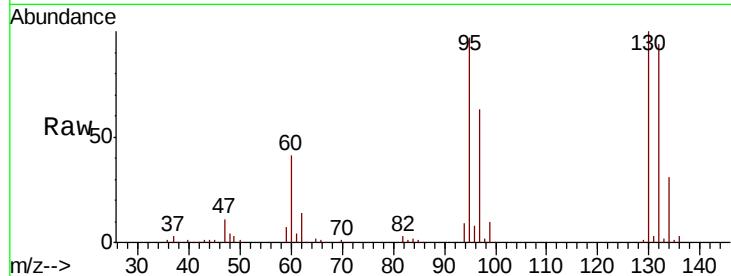




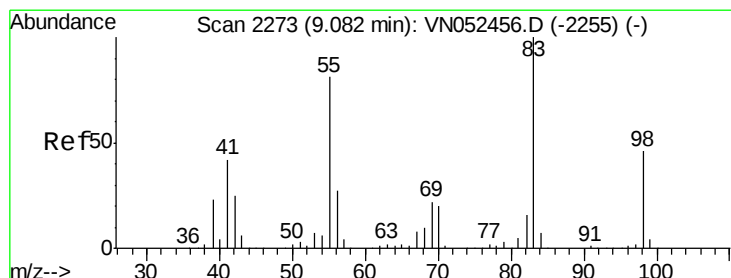
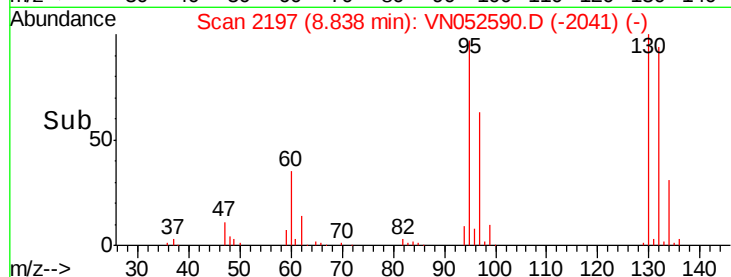
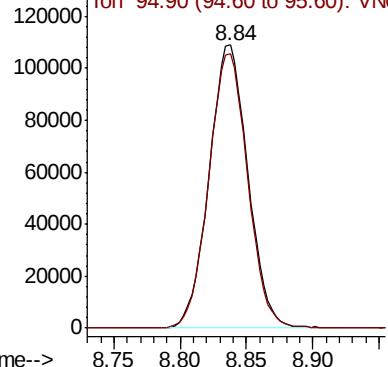
#37
 Trichloroethene
 Concen: 19.594 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

Tot Ion:130 Resp: 221678
 Ion Ratio Lower Upper
 130 100
 95 97.1 81.0 121.4

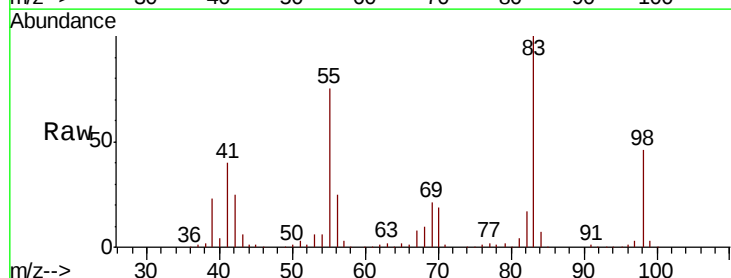


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

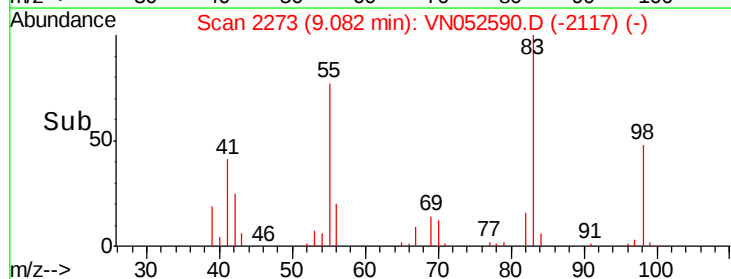
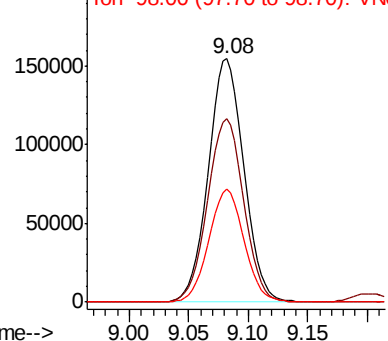


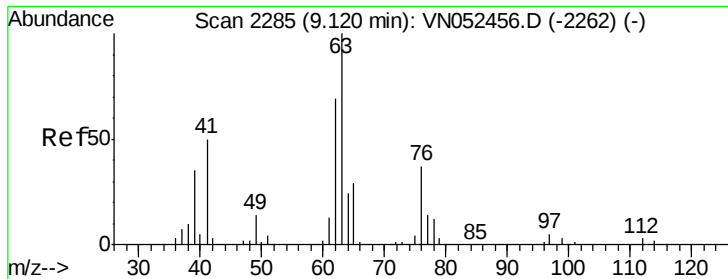
#38
 Methylcyclohexane
 Concen: 17.468 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 83 Resp: 320892
 Ion Ratio Lower Upper
 83 100
 55 76.5 39.8 119.4
 98 46.1 22.9 68.5



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

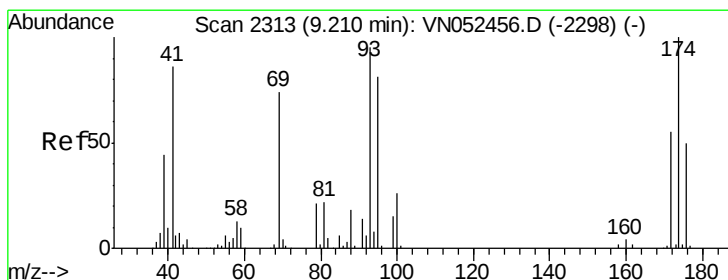
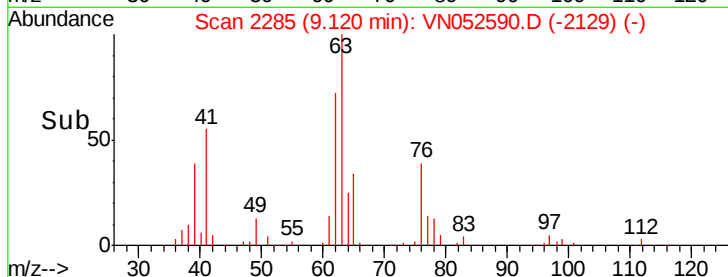
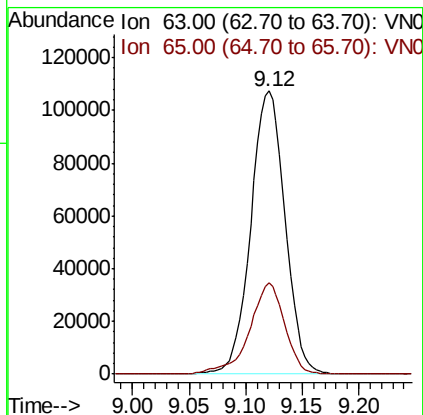
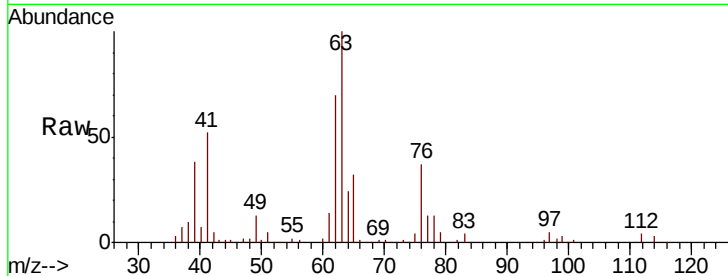




#39
 1,2-Dichloropropane
 Concen: 18.908 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

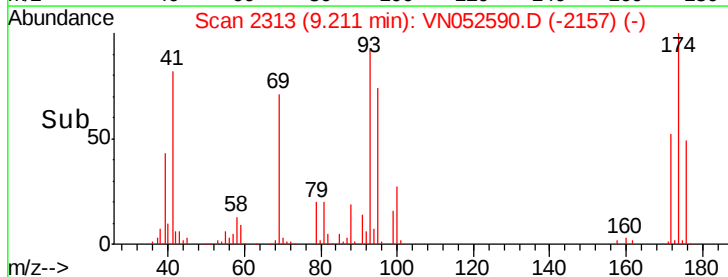
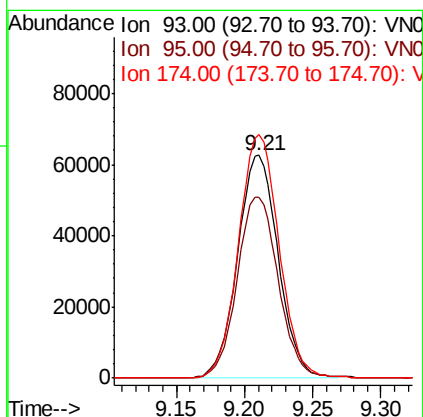
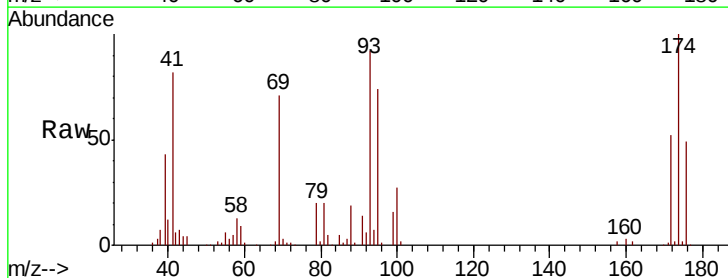
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

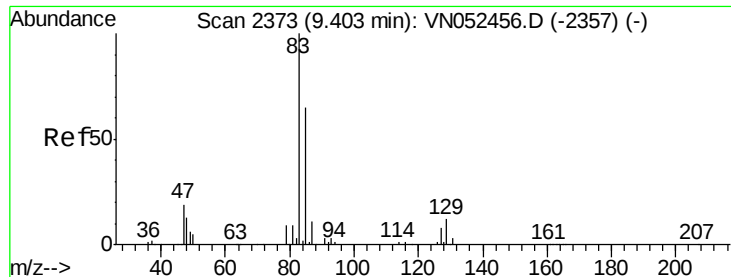
Tot Ion: 63 Resp: 226141
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.6 35.4



#40
 Dibromomethane
 Concen: 20.080 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 93 Resp: 129779
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 168.4
 174 109.0 0.0 210.0





#41

Bromodichloromethane

Concen: 19.185 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

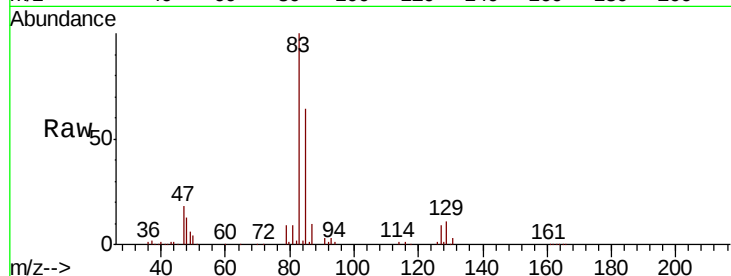
Tot Ion: 83 Resp: 273953

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6

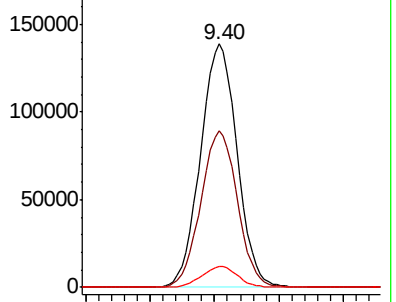
127 8.7 6.6 9.8



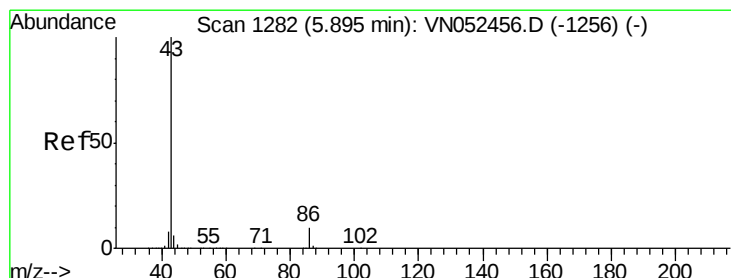
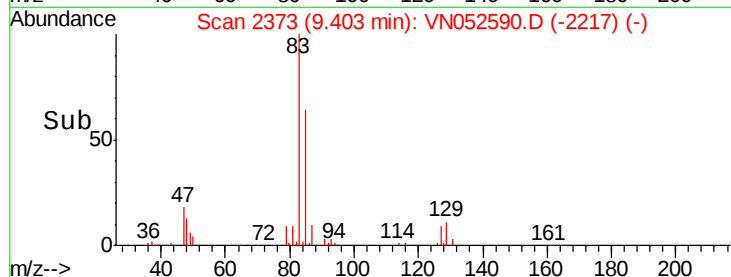
Abundance Ion 83.00 (82.70 to 83.70): VN052456.D (-2357) (-)

Ion 85.00 (84.70 to 85.70): VN052456.D (-2357) (-)

Ion 127.00 (126.70 to 127.70): VN052456.D (-2357) (-)



Time-->



#42

Vinyl Acetate

Concen: 94.633 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052590.D

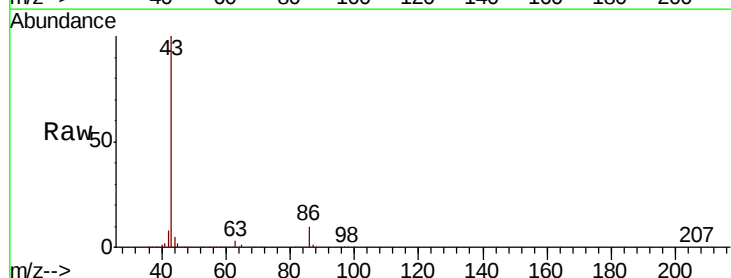
Acq: 30 Nov 2018 3:17

Tgt Ion: 43 Resp: 2033210

Ion Ratio Lower Upper

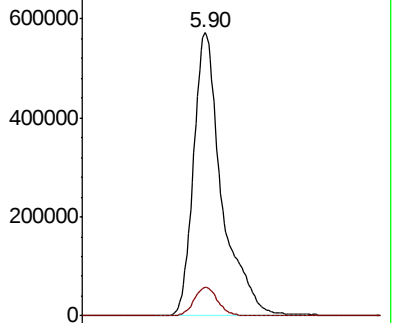
43 100

86 8.5 6.5 9.7

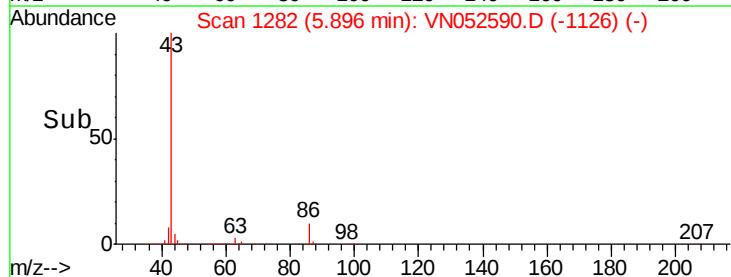


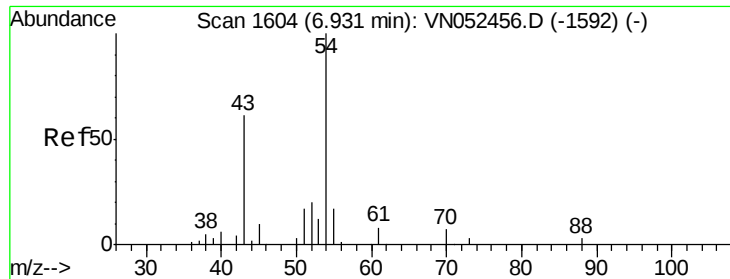
Abundance Ion 43.00 (42.70 to 43.70): VN052456.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN052456.D (-1256) (-)



Time-->





#43

Ethyl Acetate

Concen: 19.686 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

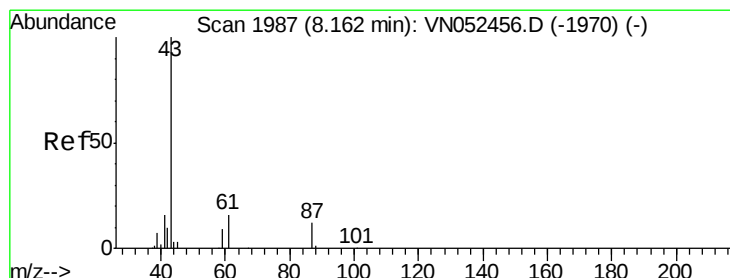
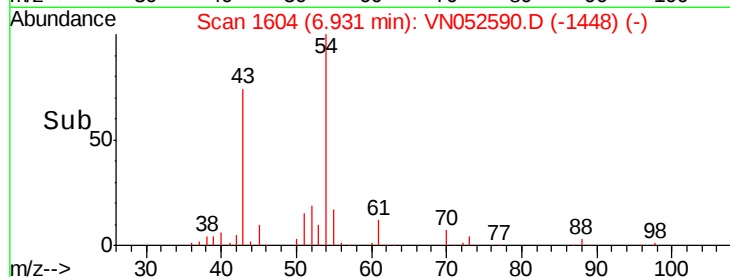
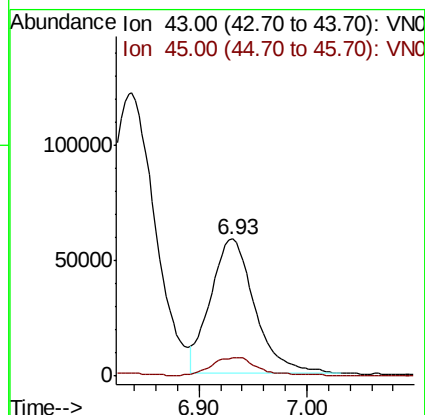
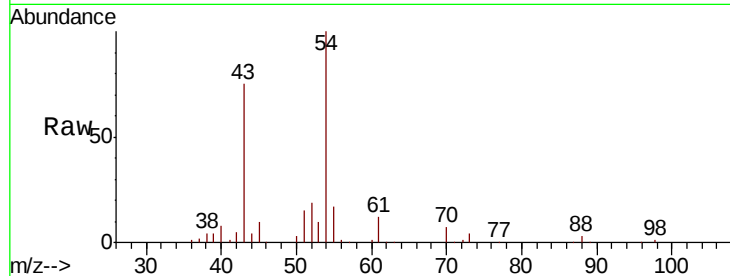
VN1129WBSD02

Tot Ion: 43 Resp: 166220

Ion Ratio Lower Upper

43 100

45 13.8 1.0 1.6#



#44

Isopropyl Acetate

Concen: 20.350 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052590.D

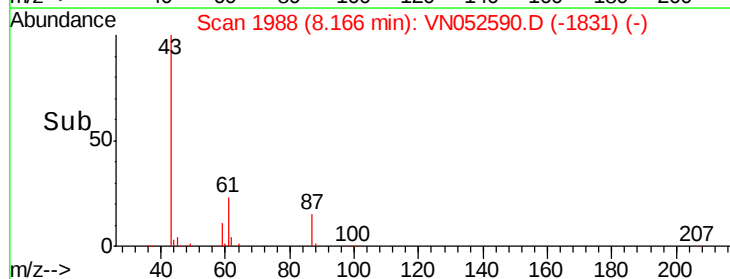
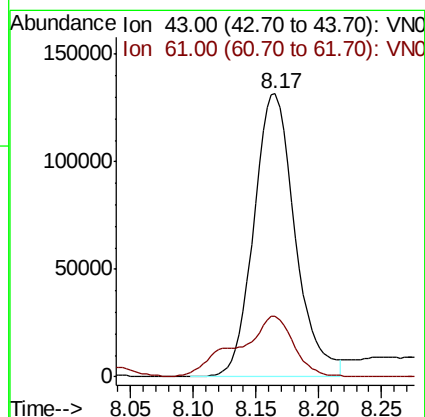
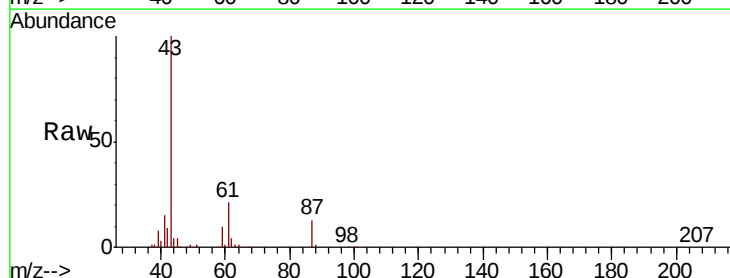
Acq: 30 Nov 2018 3:17

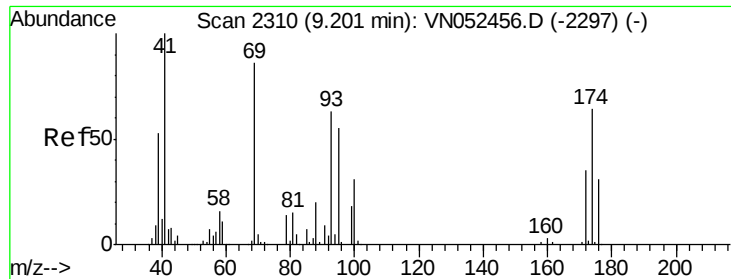
Tgt Ion: 43 Resp: 301358

Ion Ratio Lower Upper

43 100

61 28.6 16.0 24.0#

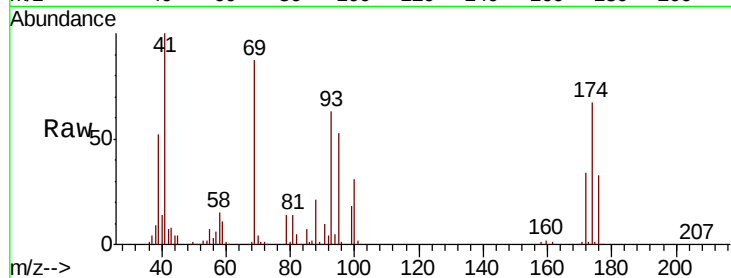




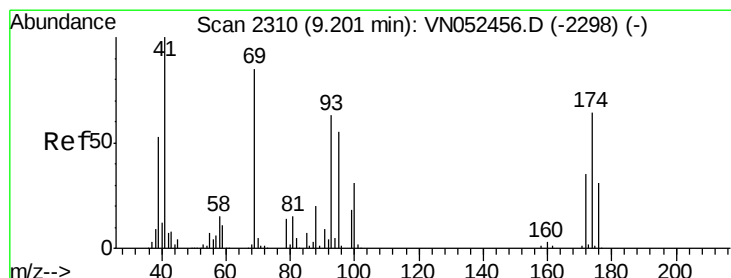
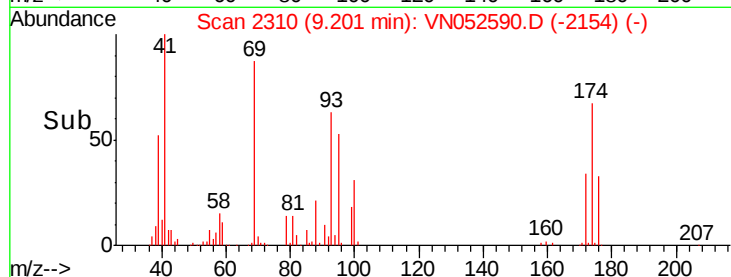
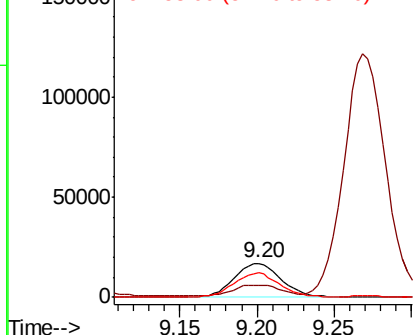
#45
 1,4-Dioxane
 Concen: 449.002 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

Tot Ion: 88 Resp: 36375
 Ion Ratio Lower Upper
 88 100
 43 32.4 29.5 44.3
 58 69.2 61.5 92.3

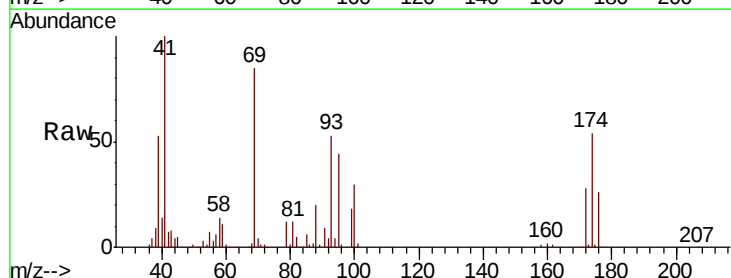


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

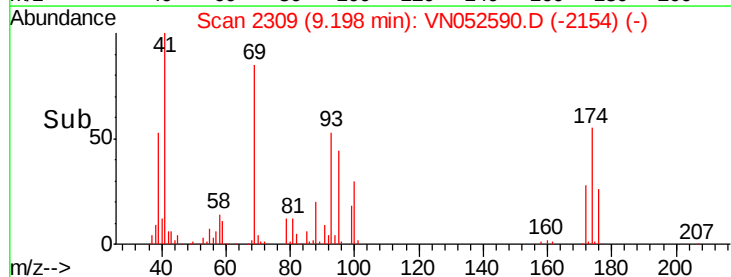
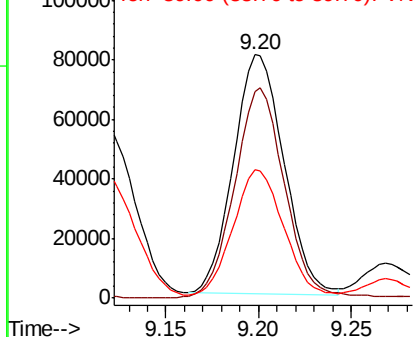


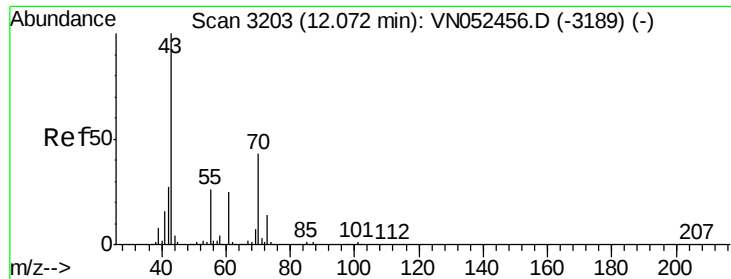
#46
 Methyl methacrylate
 Concen: 19.765 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 41 Resp: 151968
 Ion Ratio Lower Upper
 41 100
 69 85.7 42.5 127.6
 39 52.7 26.3 78.9



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

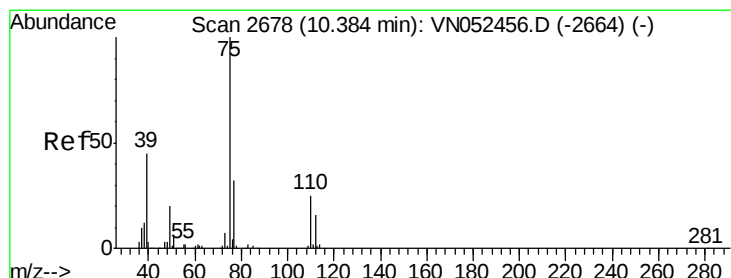
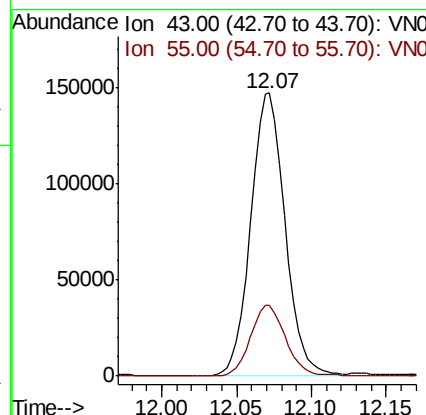
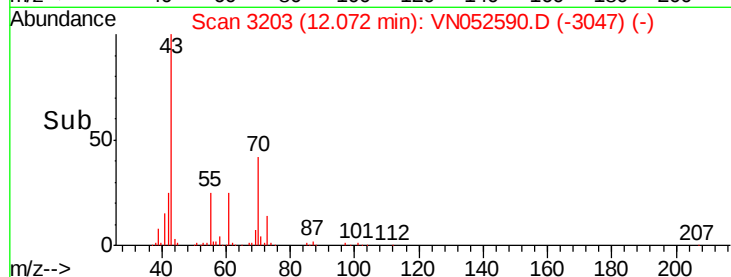
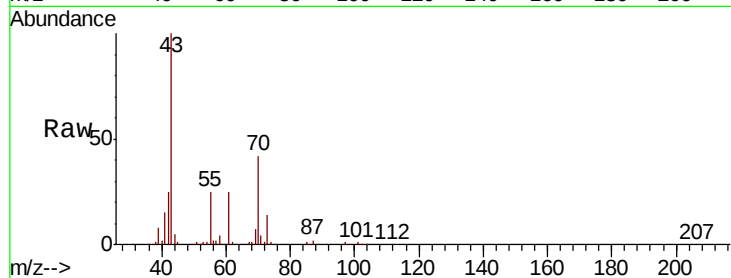




#47
 n-amvl Acetate
 Concen: 19.028 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

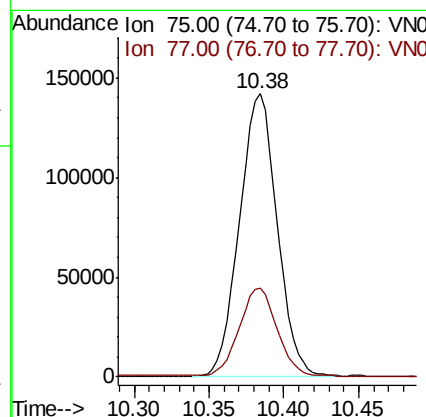
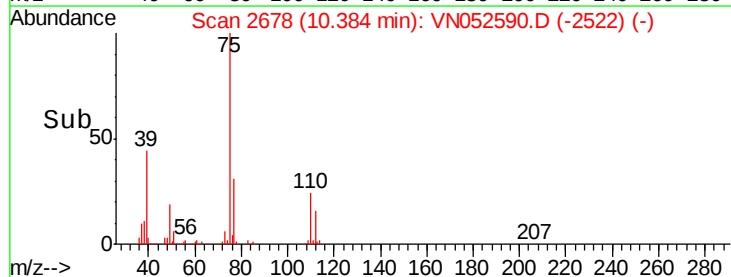
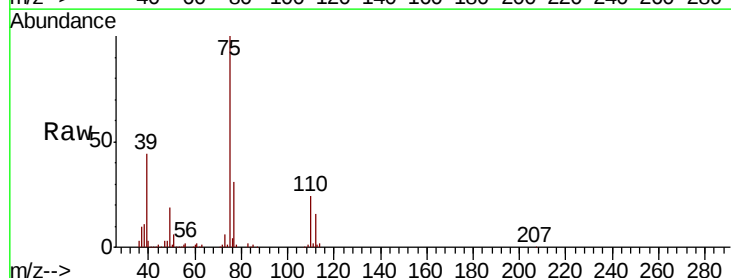
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

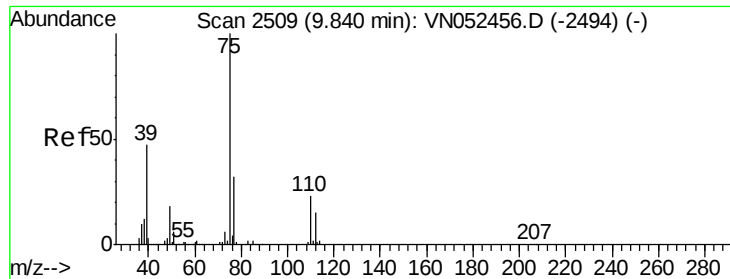
Tot Ion: 43 Resp: 233636
 Ion Ratio Lower Upper
 43 100
 55 25.7 21.1 31.7



#48
 t-1,3-Dichloropropene
 Concen: 18.061 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 75 Resp: 250063
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.6 38.4



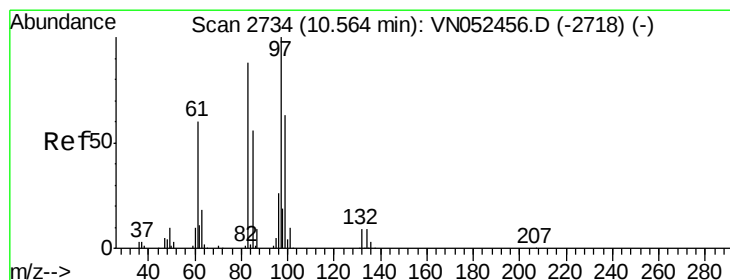
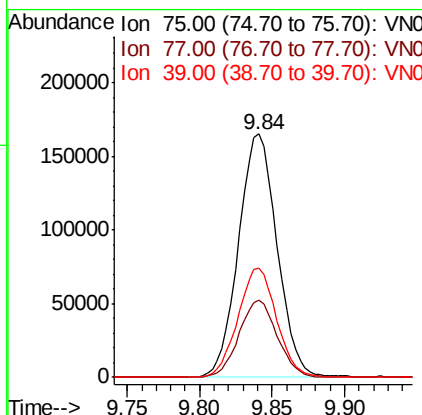
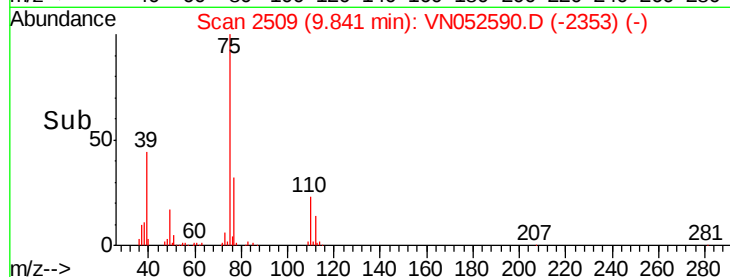
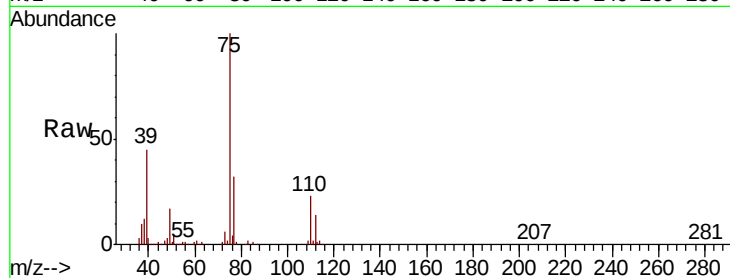


#49

cis-1,3-Dichloropropene
 Concen: 18.134 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

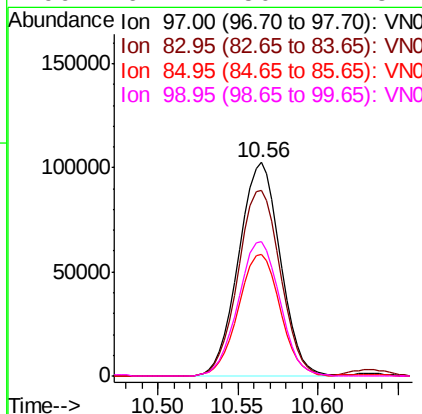
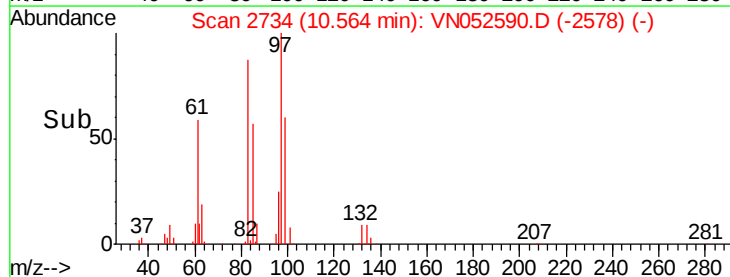
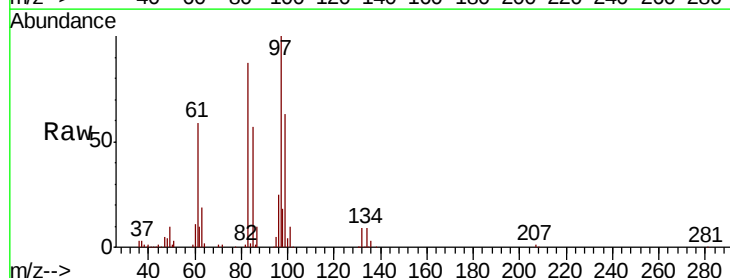
Tot Ion	75	Resp	305896
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.4	38.0
39	44.5	37.3	55.9

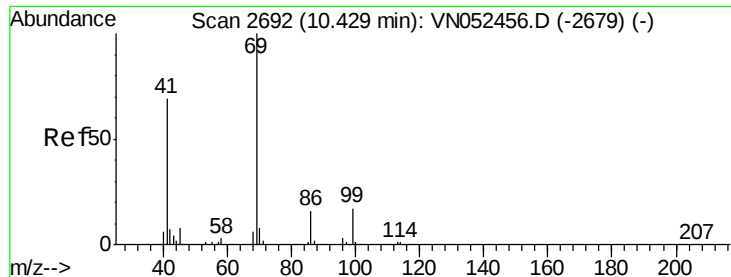


#50

1,1,2-Trichloroethane
 Concen: 19.982 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion	97	Resp	183066
Ion Ratio	Lower	Upper	
97	100		
83	87.1	70.4	105.6
85	57.0	45.0	67.6
99	62.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.722 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

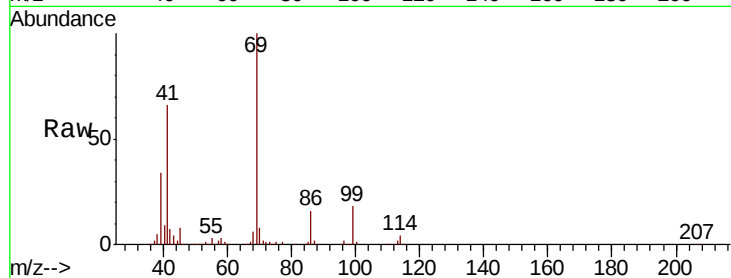
Tot Ion: 69 Resp: 226924

Ion Ratio Lower Upper

69 100

41 65.6 34.4 103.3

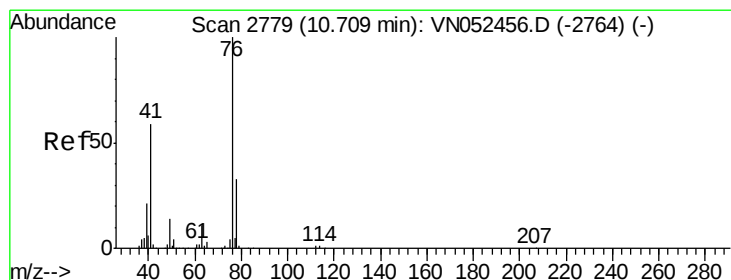
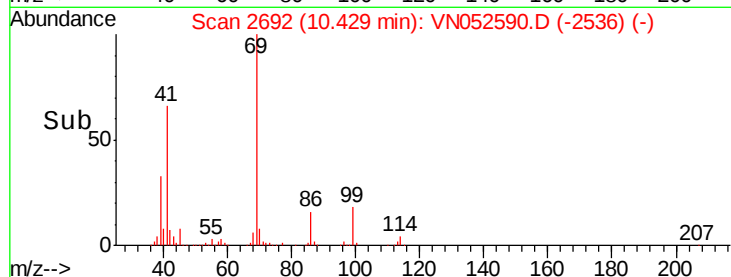
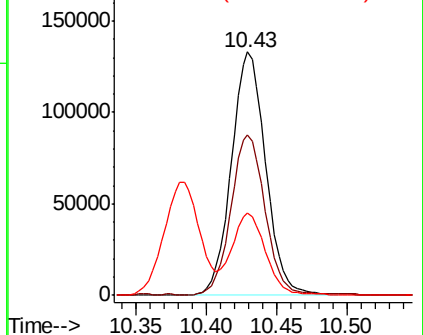
39 33.5 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.513 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052590.D

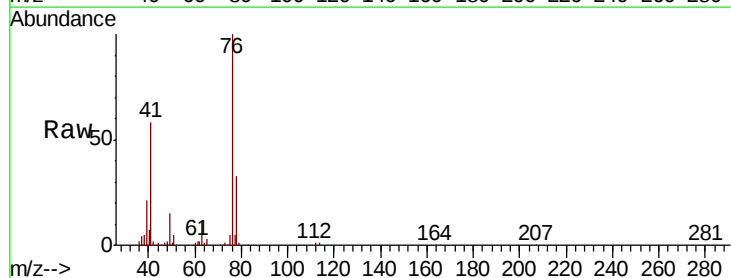
Acq: 30 Nov 2018 3:17

Tgt Ion: 76 Resp: 318195

Ion Ratio Lower Upper

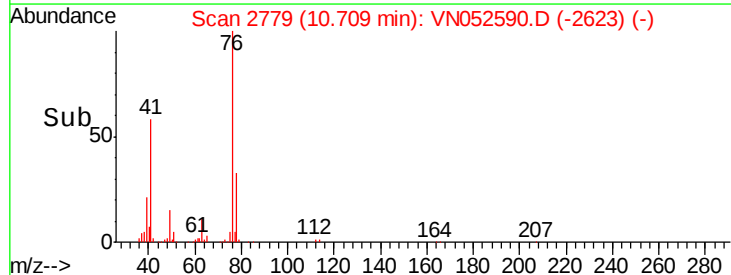
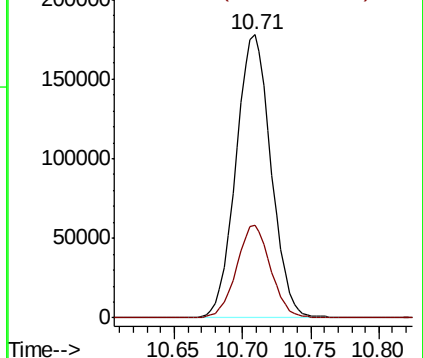
76 100

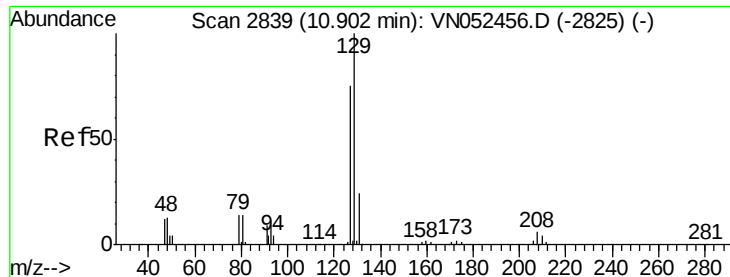
78 31.8 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.422 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

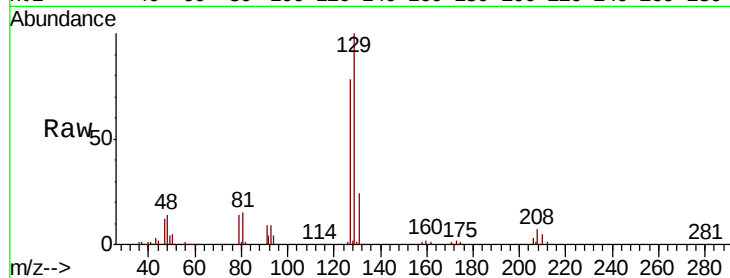
VN1129WBSD02

Tot Ion:129 Resp: 195897

Ion Ratio Lower Upper

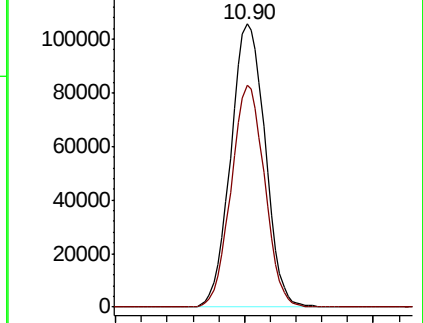
129 100

127 76.3 37.6 112.8

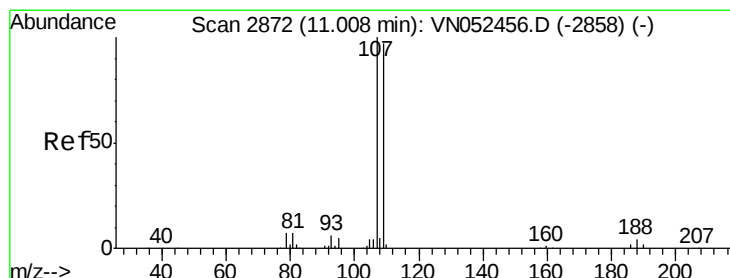
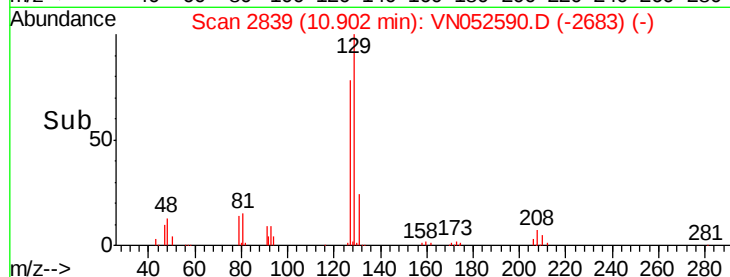


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 20.121 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052590.D

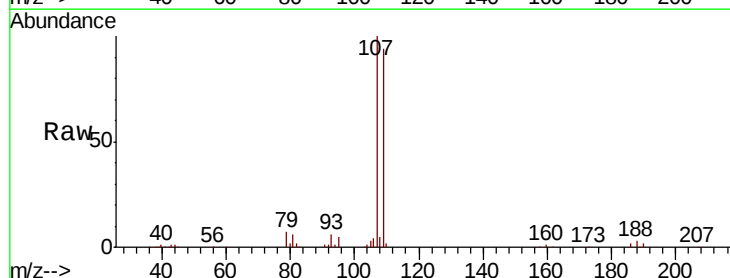
Acq: 30 Nov 2018 3:17

Tgt Ion:107 Resp: 180124

Ion Ratio Lower Upper

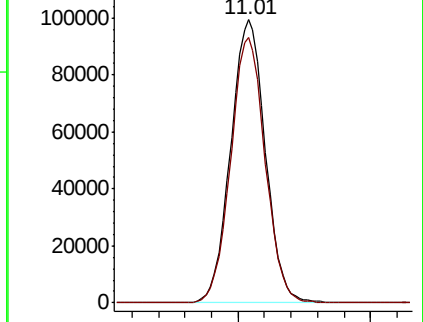
107 100

109 93.4 77.1 115.7

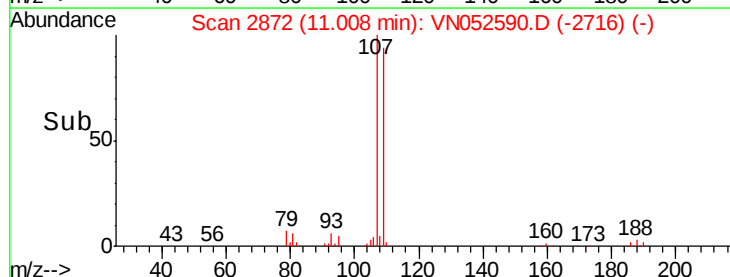


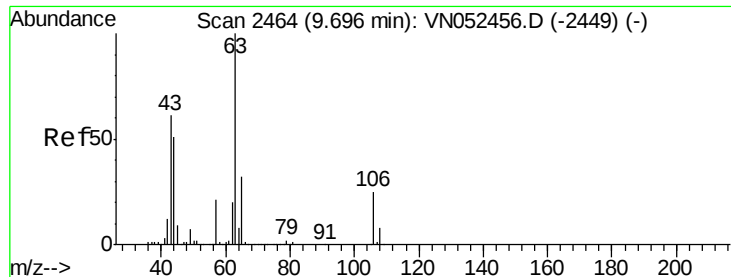
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time--> 11.00 11.10

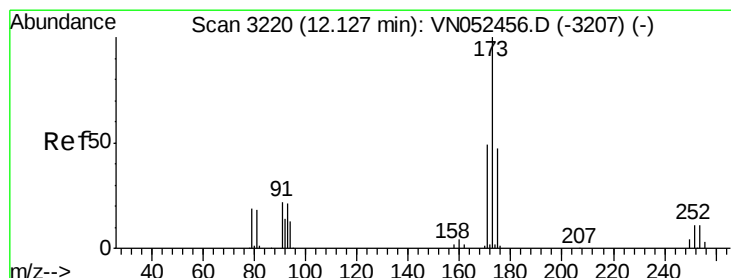
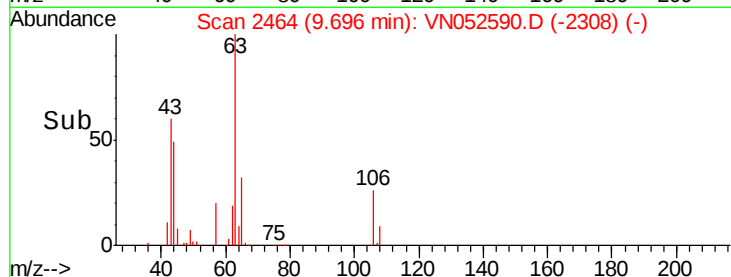
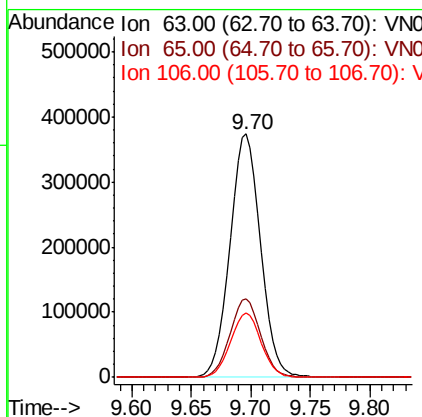
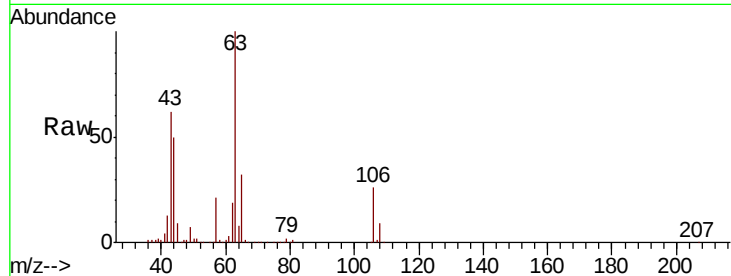




#55
 2-Chloroethyl vinyl ether
 Concen: 99.190 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

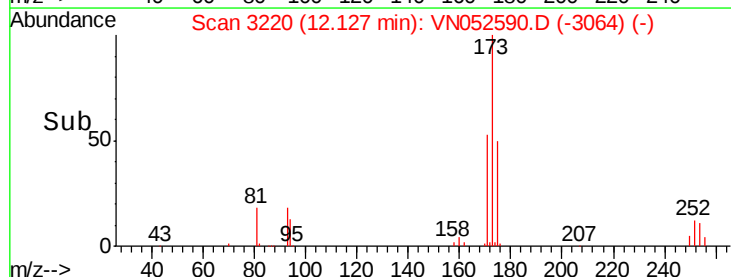
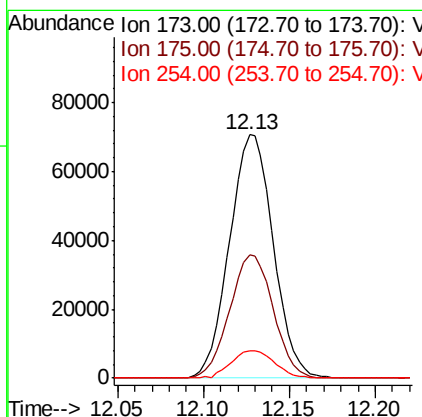
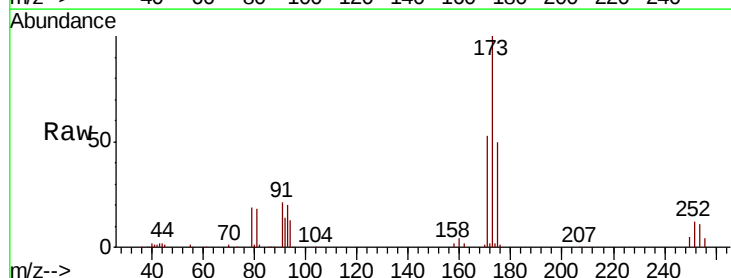
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

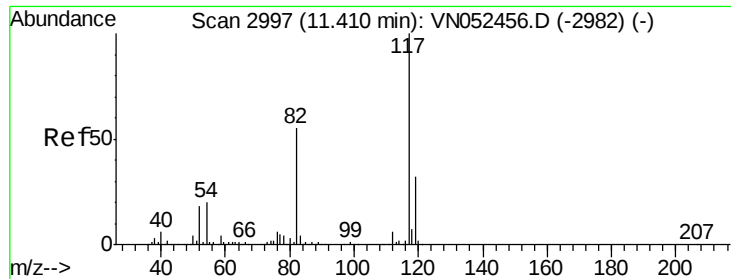
Tot Ion: 63 Resp: 668059
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.2
 106 26.3 20.4 30.6



#56
 Bromoform
 Concen: 18.951 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion: 173 Resp: 124941
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.7 58.1
 254 11.1 8.4 12.6

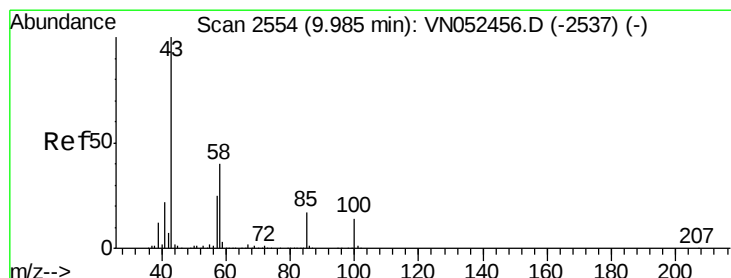
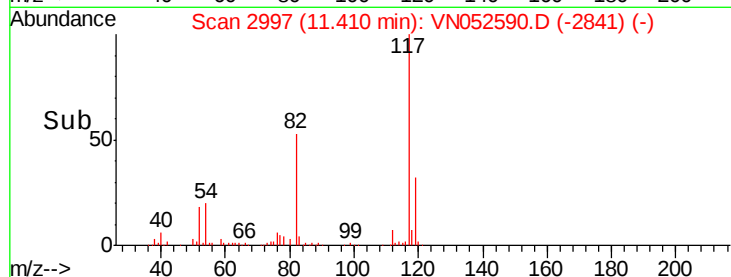
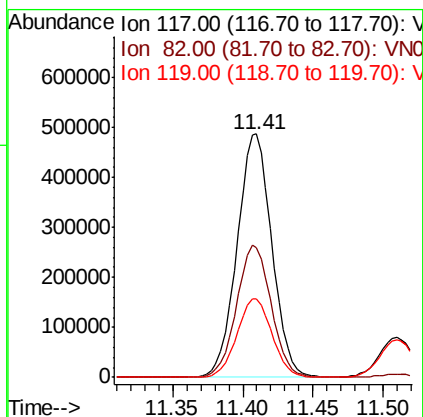
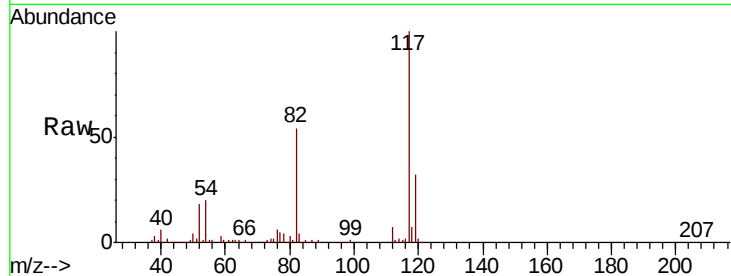




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

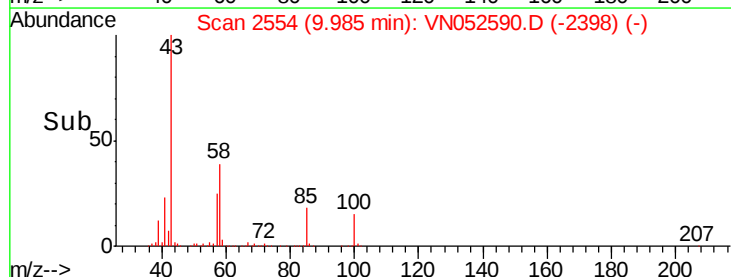
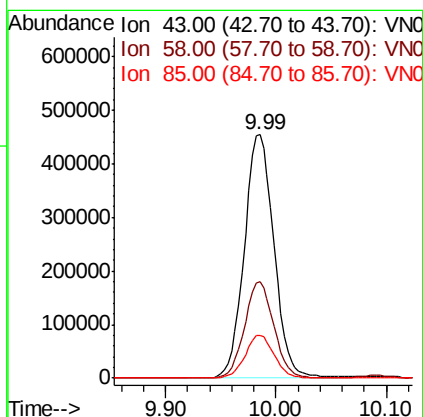
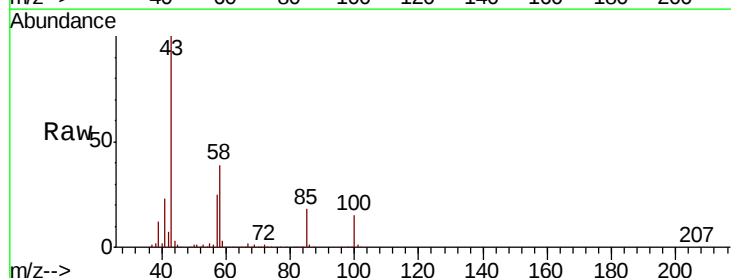
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

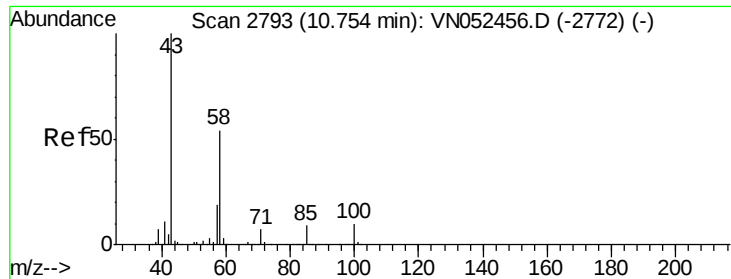
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.5	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 103.540 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.6	47.4
85	17.4	13.3	19.9

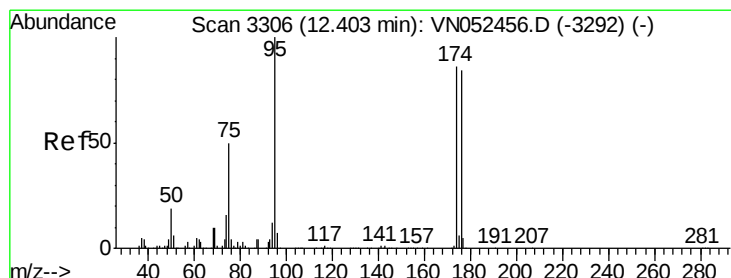
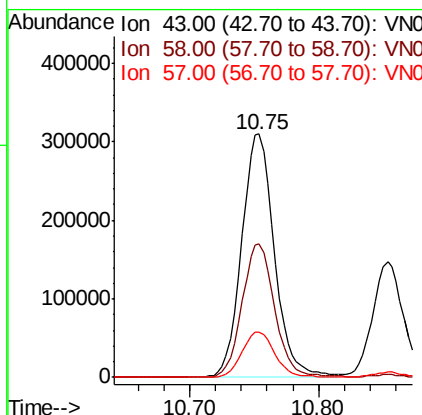
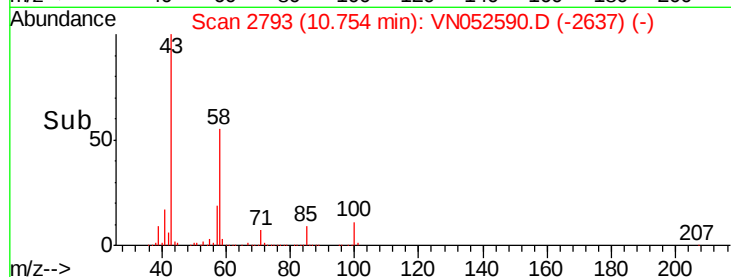
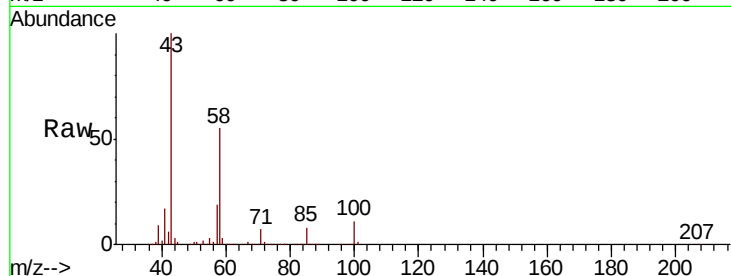




#59
2-Hexanone
Concen: 98.042 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

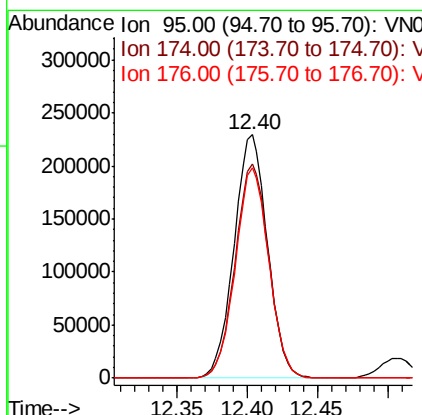
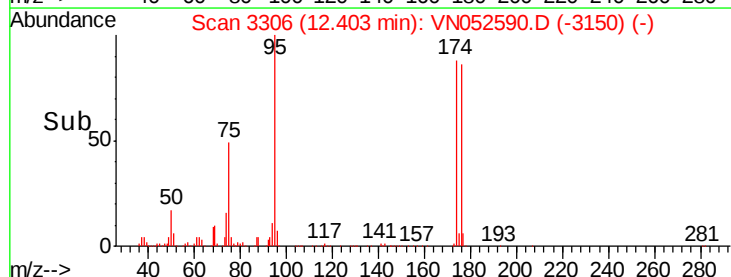
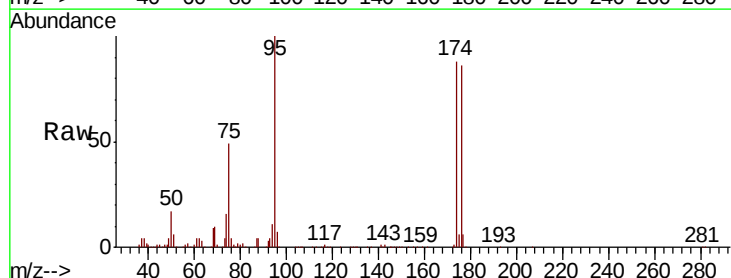
Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD02

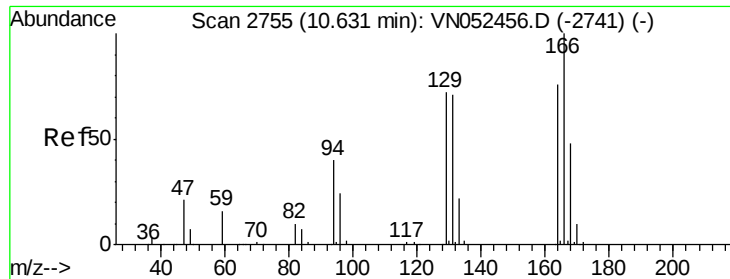
Tot Ion: 43 Resp: 545319
Ion Ratio Lower Upper
43 100
58 54.9 43.2 64.8
57 19.0 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 98.042 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion: 95 Resp: 381962
Ion Ratio Lower Upper
95 100
174 88.3 67.9 101.9
176 86.1 66.4 99.6





#61

Tetrachloroethene

Concen: 21.455 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

Tot Ion:164 Resp: 221929

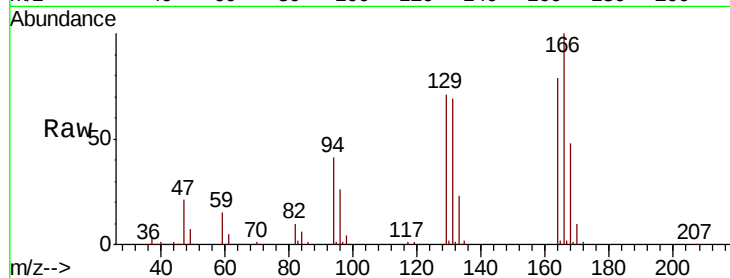
Ion Ratio Lower Upper

164 100

166 126.5 104.6 157.0

129 89.9 75.3 112.9

131 87.8 74.3 111.5



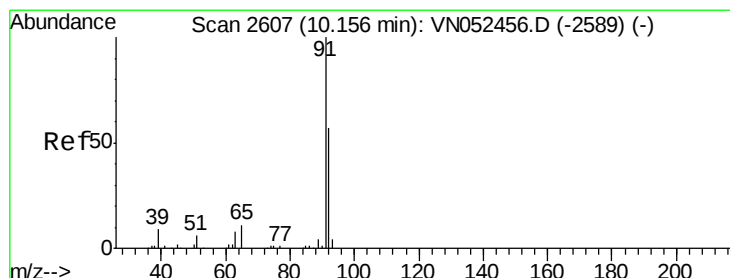
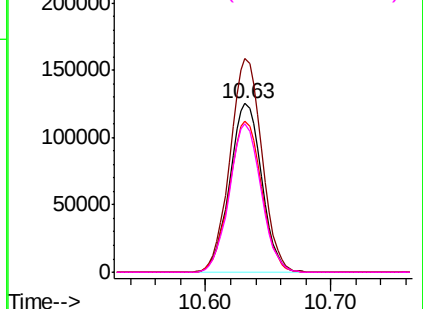
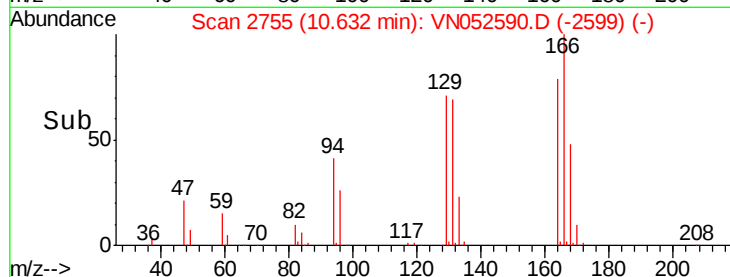
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.635 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052590.D

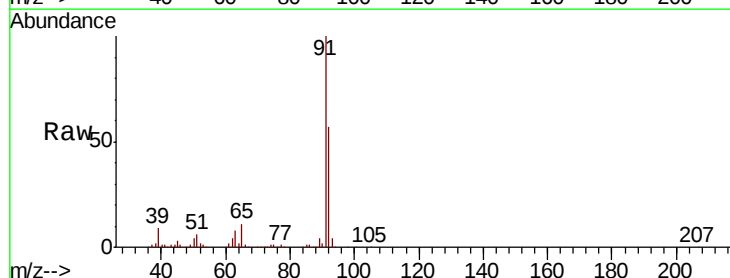
Acq: 30 Nov 2018 3:17

Tgt Ion: 91 Resp: 909084

Ion Ratio Lower Upper

91 100

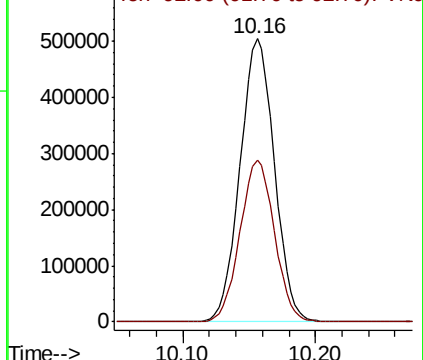
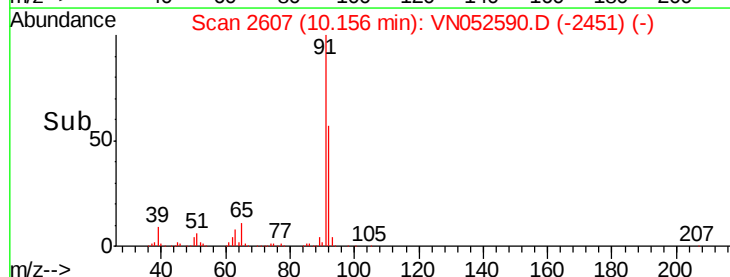
92 57.3 45.4 68.2

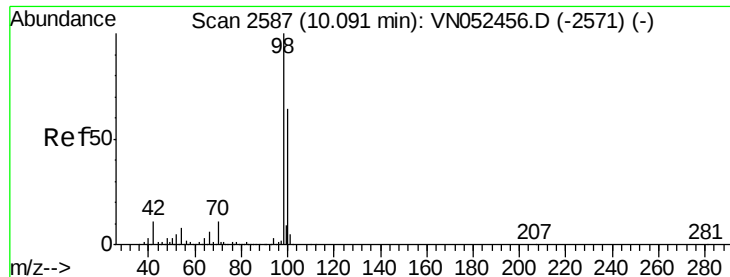


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.635 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

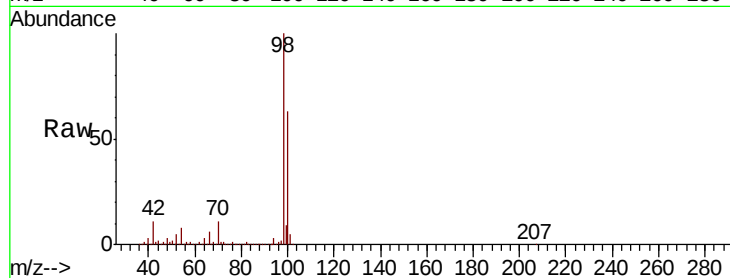
VN1129WBSD02

Tot Ion: 98 Resp: 1174364

Ion Ratio Lower Upper

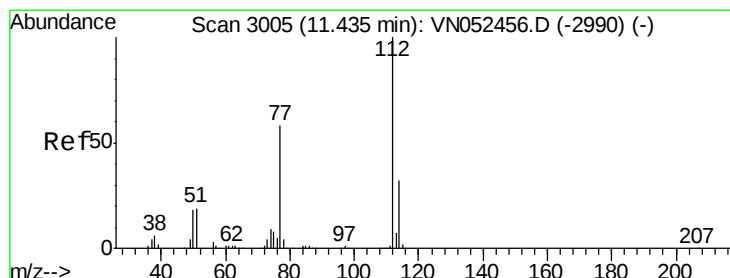
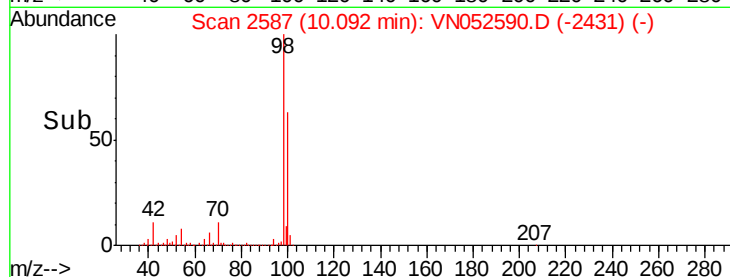
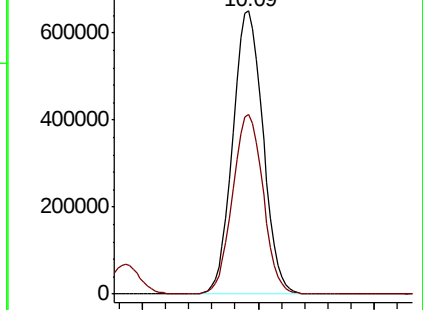
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)



#64

Chlorobenzene

Concen: 19.717 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052590.D

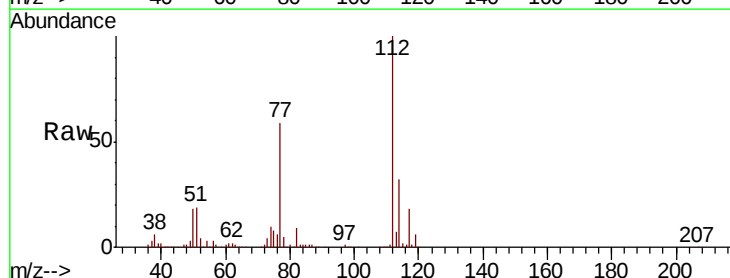
Acq: 30 Nov 2018 3:17

Tgt Ion: 112 Resp: 557200

Ion Ratio Lower Upper

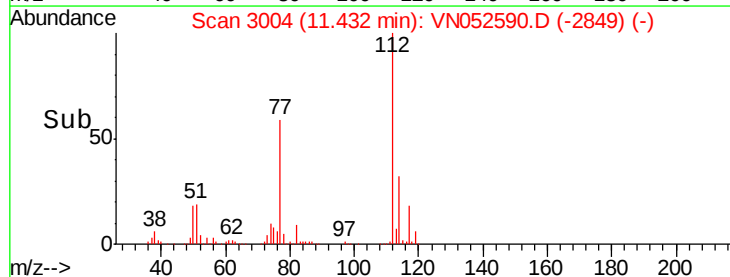
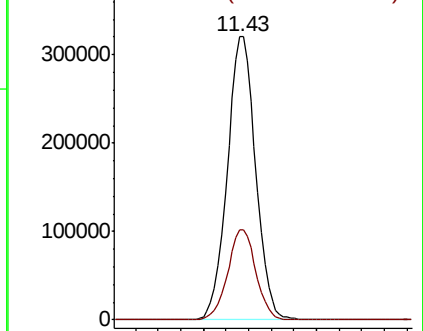
112 100

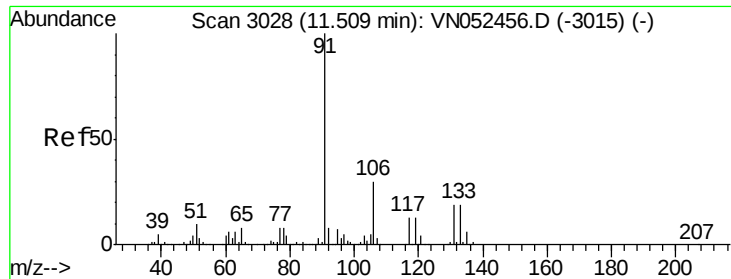
114 31.8 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.067 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

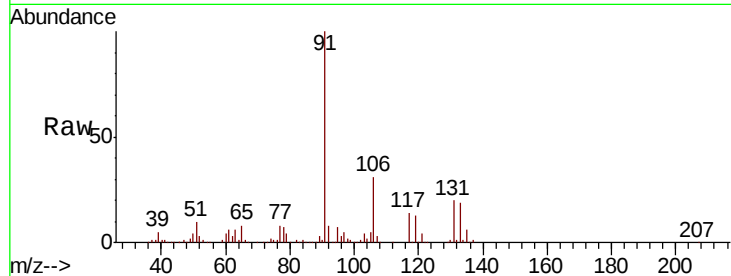
Tot Ion:131 Resp: 196839

Ion Ratio Lower Upper

131 100

133 93.7 0.0 193.4

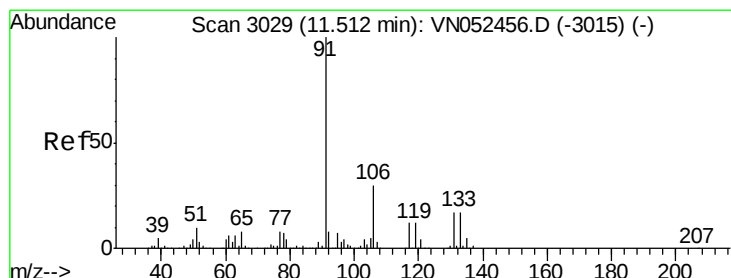
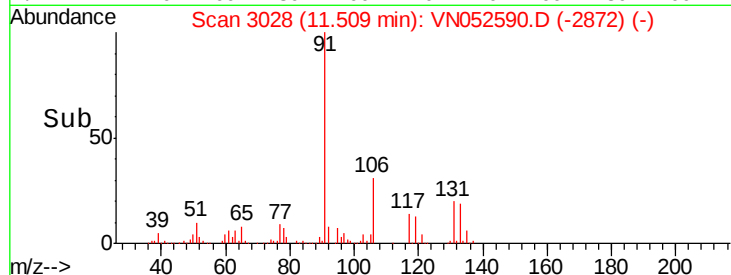
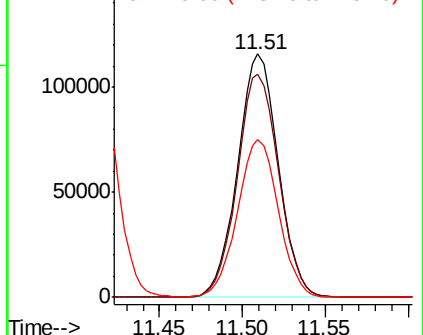
119 65.5 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.381 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052590.D

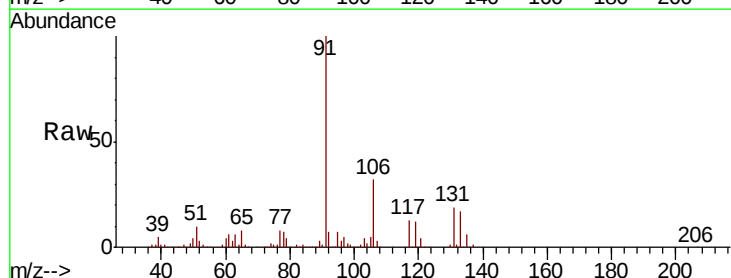
Acq: 30 Nov 2018 3:17

Tgt Ion: 91 Resp: 967130

Ion Ratio Lower Upper

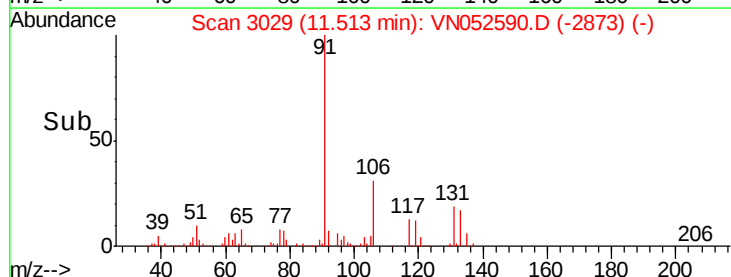
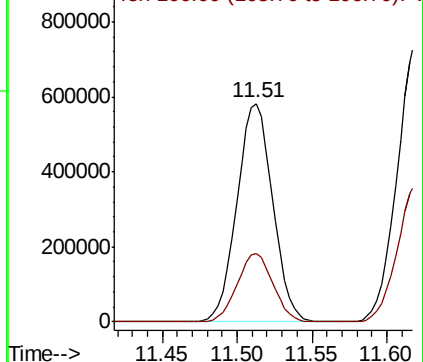
91 100

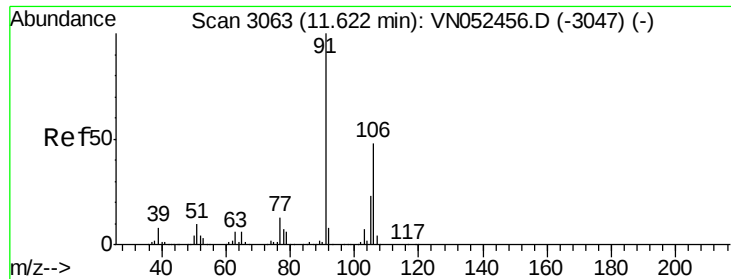
106 31.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

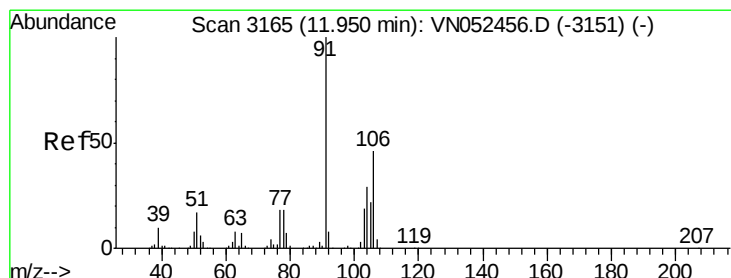
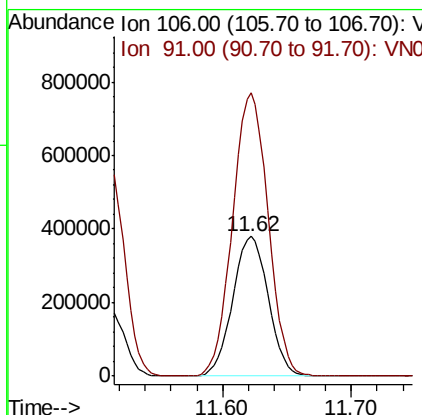
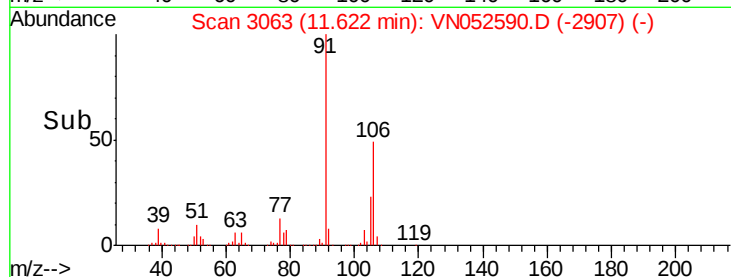
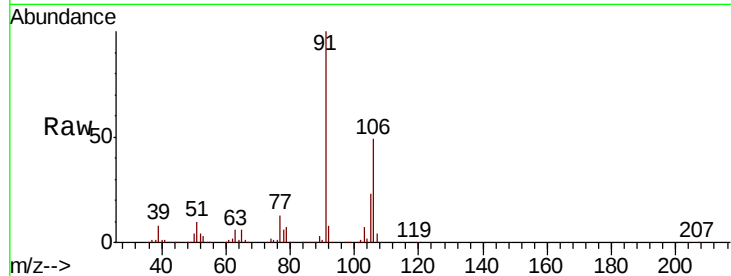




#67
m/p-Xylenes
Concen: 39.127 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

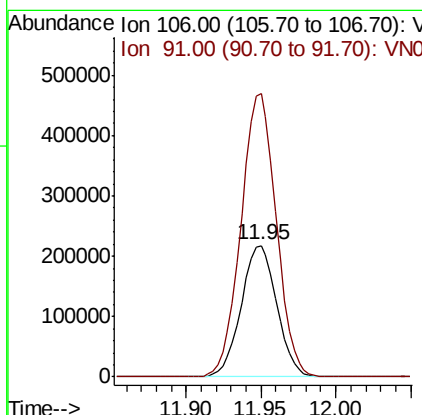
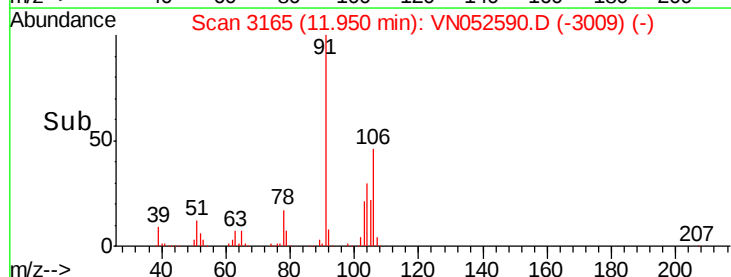
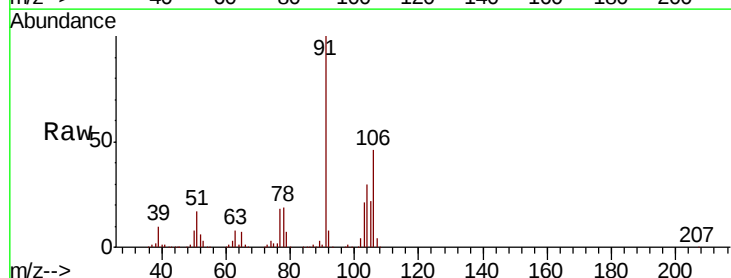
Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD02

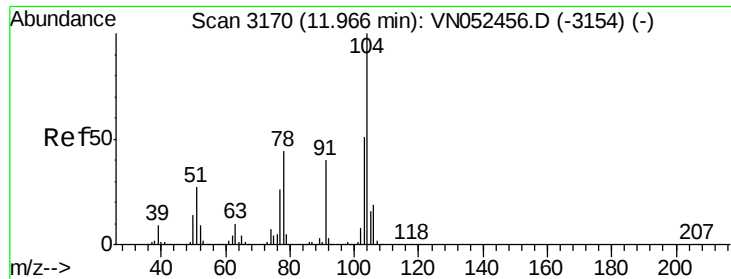
Tot Ion:106 Resp: 727391
Ion Ratio Lower Upper
106 100
91 202.5 163.9 245.9



#68
o-Xylene
Concen: 19.980 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052590.D
Acq: 30 Nov 2018 3:17

Tgt Ion:106 Resp: 360521
Ion Ratio Lower Upper
106 100
91 213.7 107.8 323.4





#69

Stvrene

Concen: 19.367 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

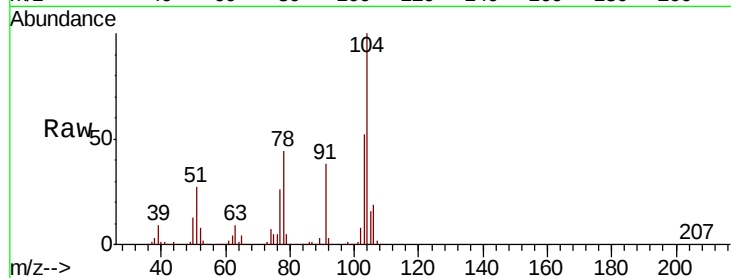
Tot Ion:104 Resp: 564047

Ion Ratio Lower Upper

104 100

78 49.4 39.3 58.9

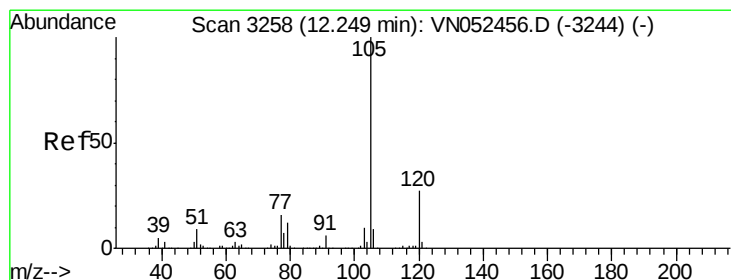
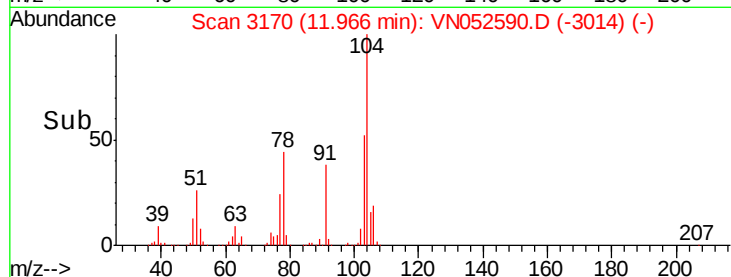
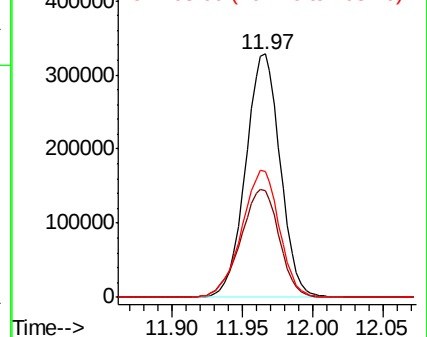
103 56.7 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.685 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052590.D

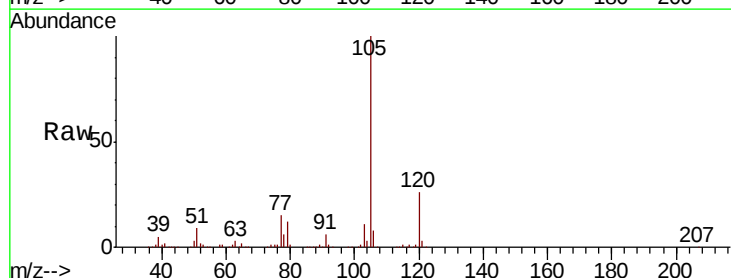
Acq: 30 Nov 2018 3:17

Tgt Ion:105 Resp: 945036

Ion Ratio Lower Upper

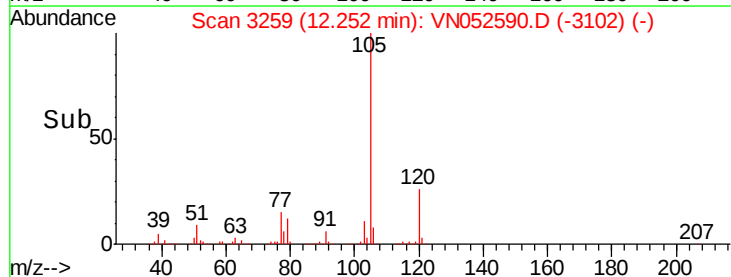
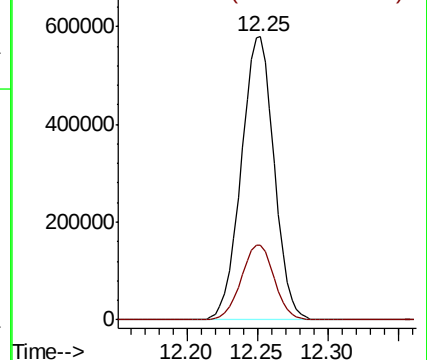
105 100

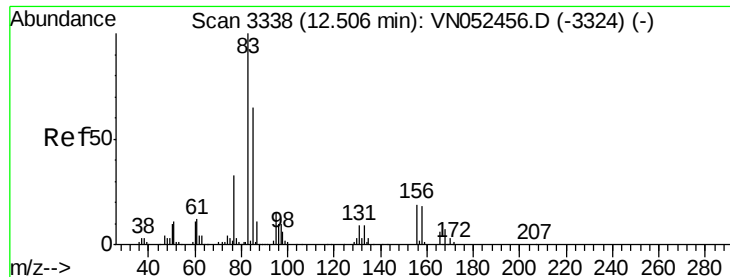
120 26.6 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

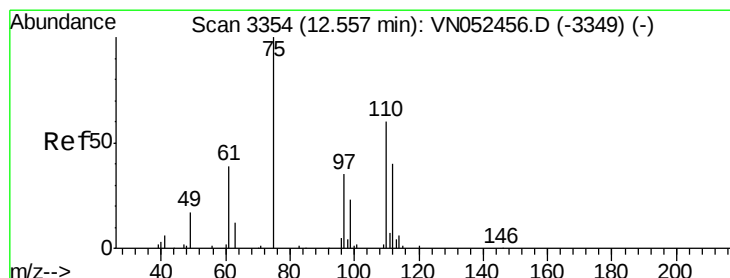
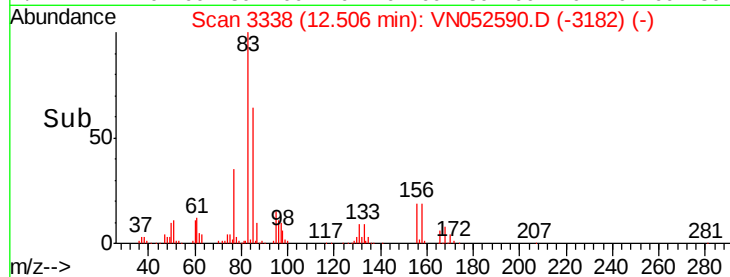
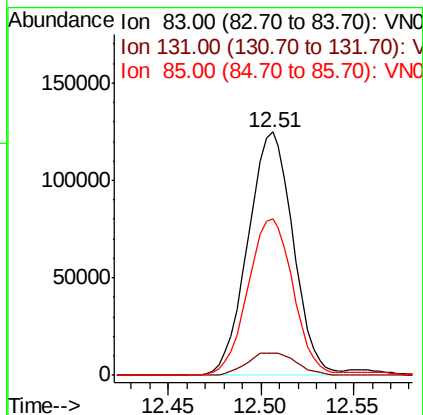
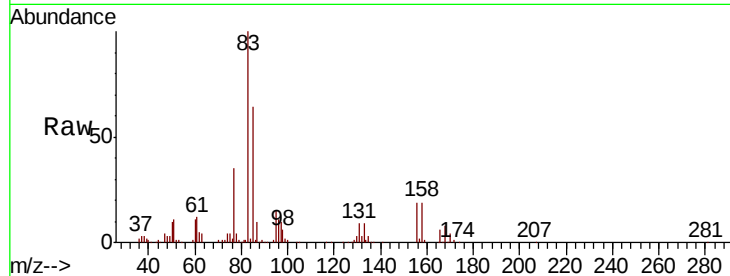




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.207 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

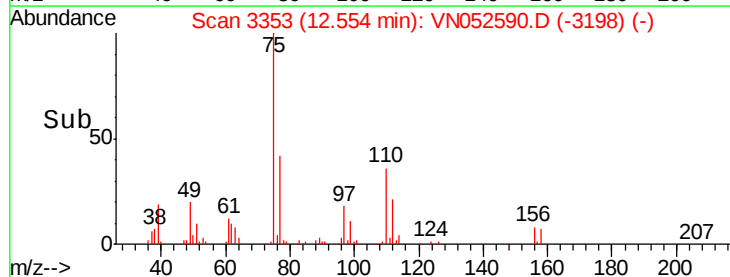
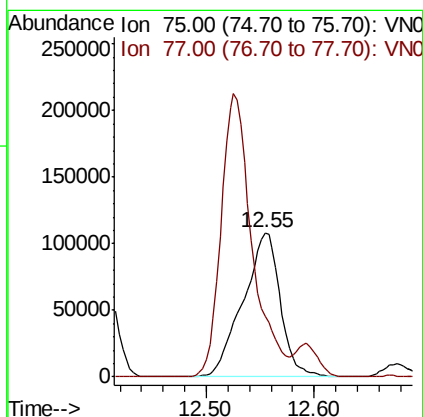
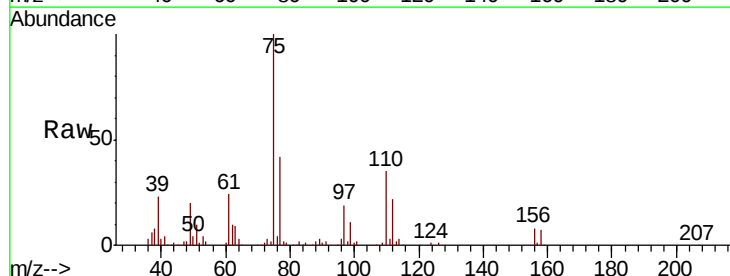
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

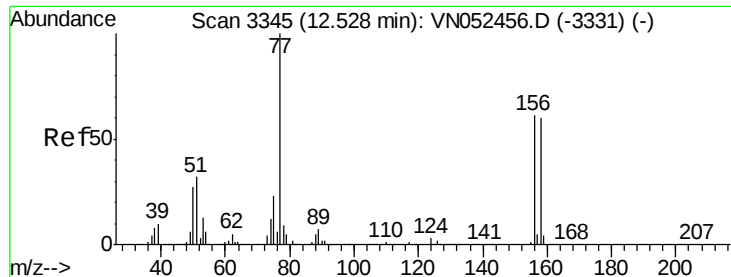
Tot Ion	83	Resp	211029
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	64.6	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 28.924 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion	75	Resp	259307
Ion Ratio	Lower	Upper	
75	100		
77	164.4	0.0	514.8





#73

Bromobenzene

Concen: 20.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

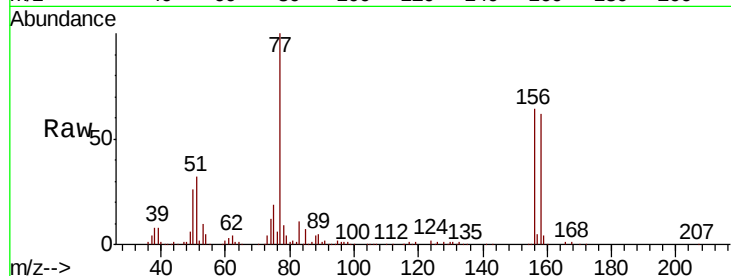
Tot Ion:156 Resp: 234075

Ion Ratio Lower Upper

156 100

77 182.1 0.0 382.6

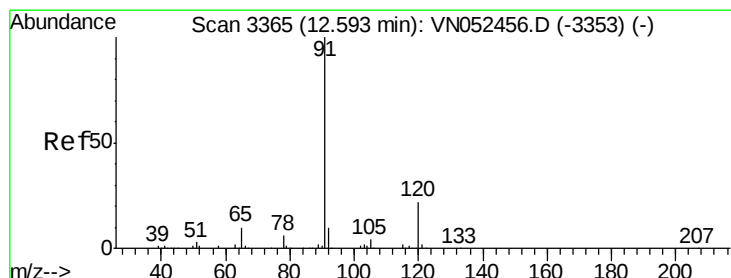
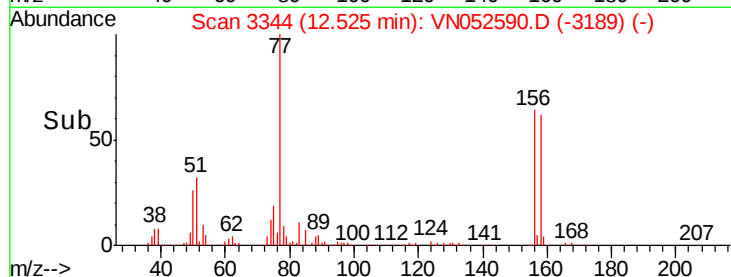
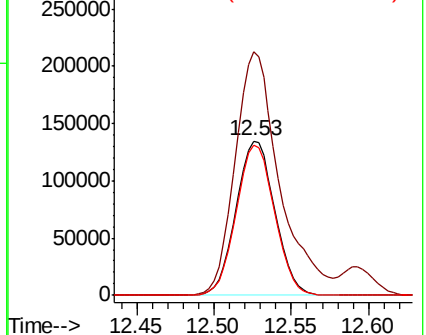
158 96.7 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.917 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052590.D

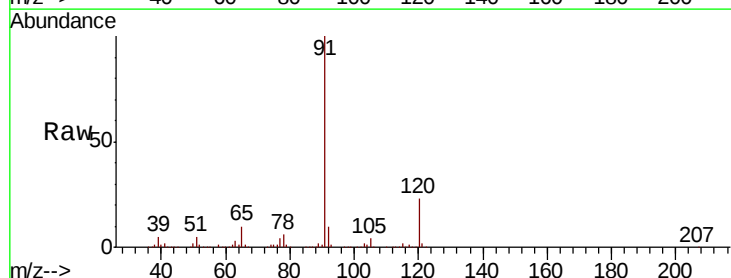
Acq: 30 Nov 2018 3:17

Tgt Ion: 91 Resp: 1058162

Ion Ratio Lower Upper

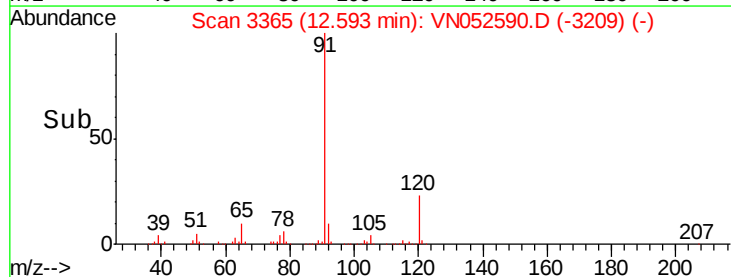
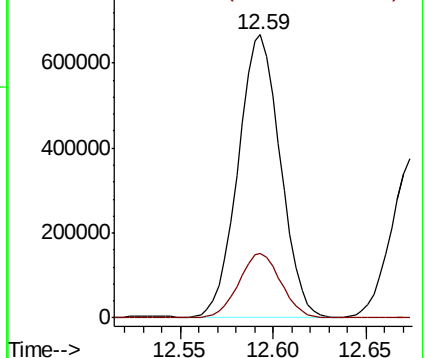
91 100

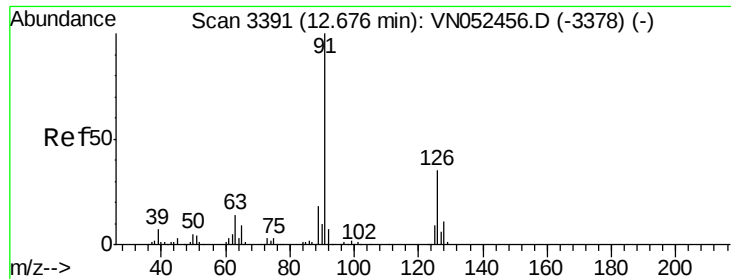
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.582 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

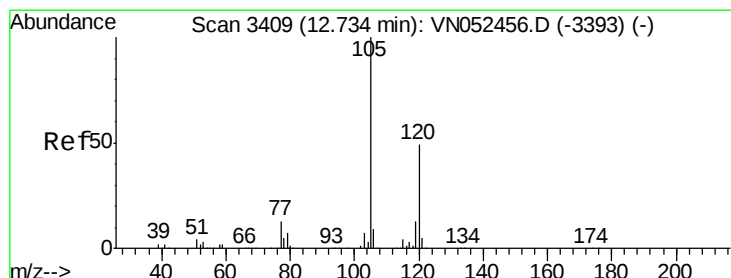
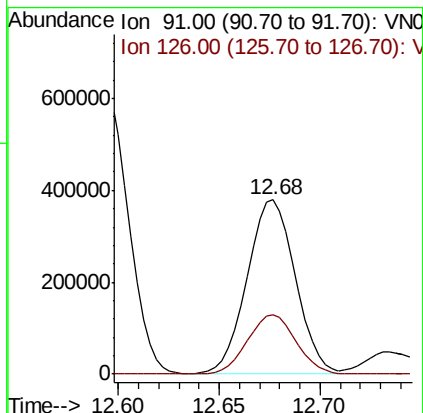
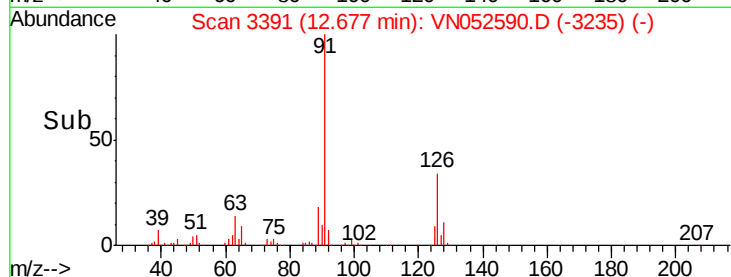
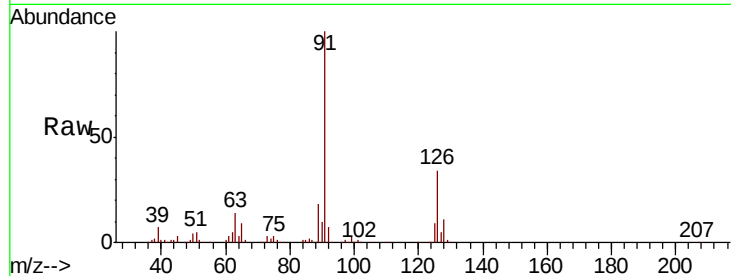
VN1129WBSD02

Tot Ion: 91 Resp: 635799

Ion Ratio Lower Upper

91 100

126 34.4 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.777 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052590.D

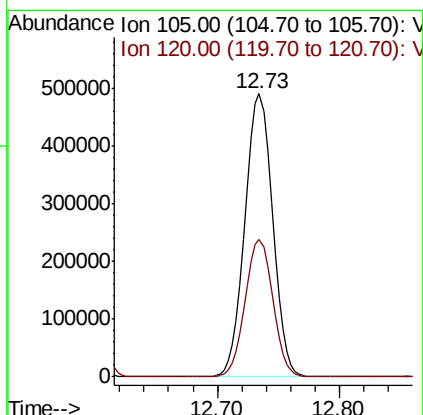
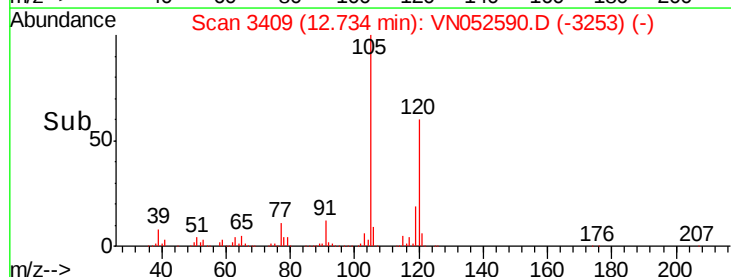
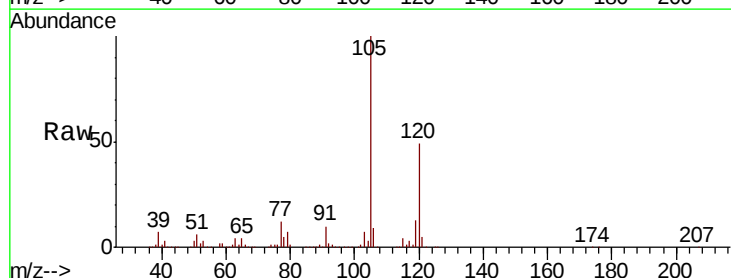
Acq: 30 Nov 2018 3:17

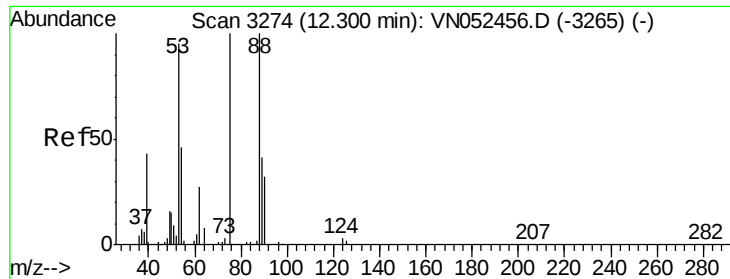
Tgt Ion:105 Resp: 766892

Ion Ratio Lower Upper

105 100

120 48.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.031 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

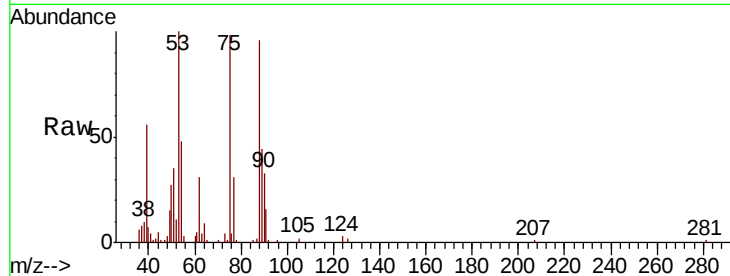
Tot Ion: 75 Resp: 48232

Ion Ratio Lower Upper

75 100

53 101.1 48.5 145.6

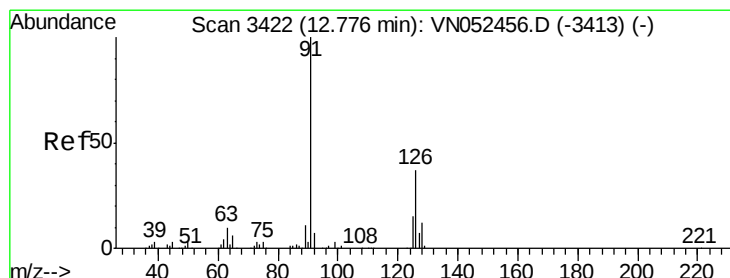
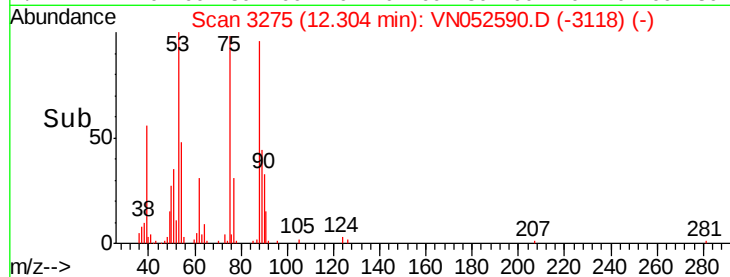
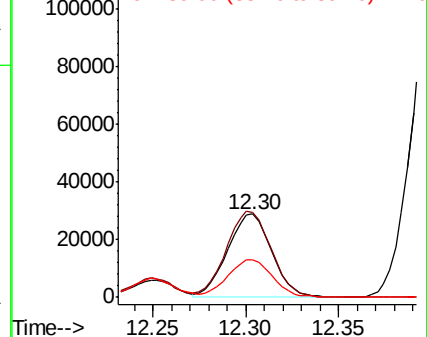
89 45.2 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.115 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052590.D

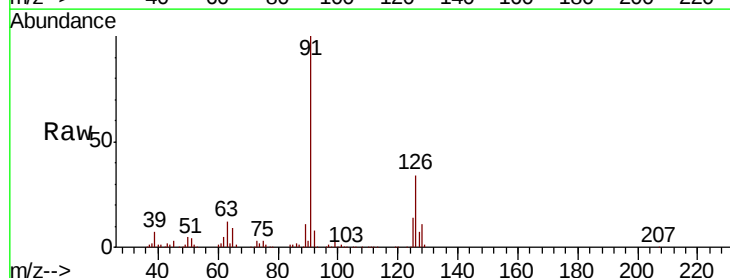
Acq: 30 Nov 2018 3:17

Tgt Ion: 91 Resp: 619802

Ion Ratio Lower Upper

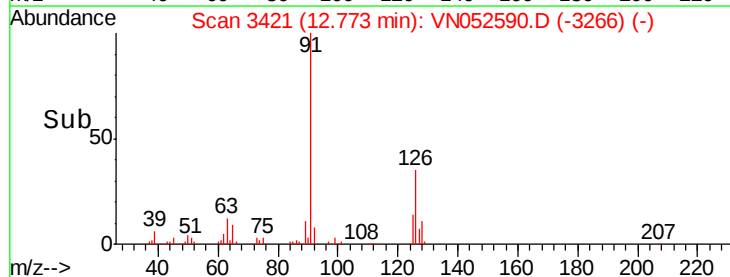
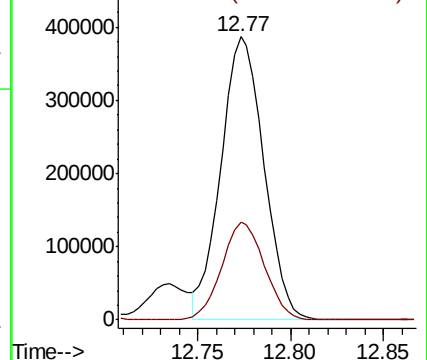
91 100

126 34.4 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.002 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

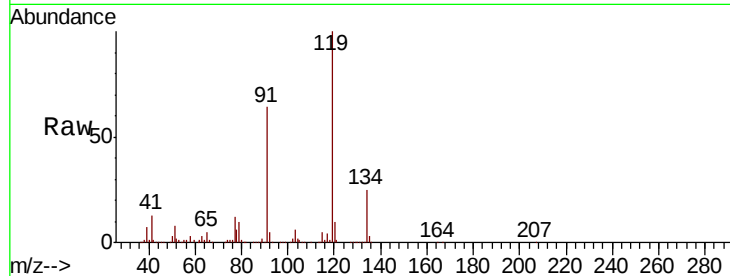
Tot Ion:119 Resp: 675466

Ion Ratio Lower Upper

119 100

91 63.2 0.0 129.8

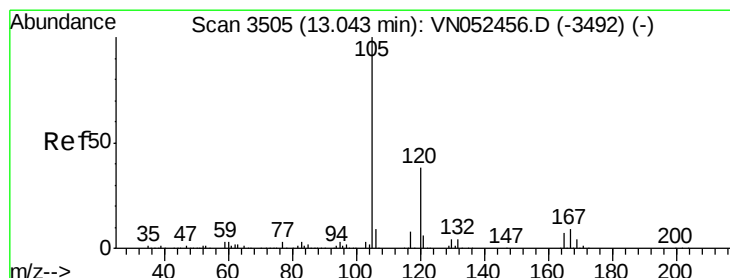
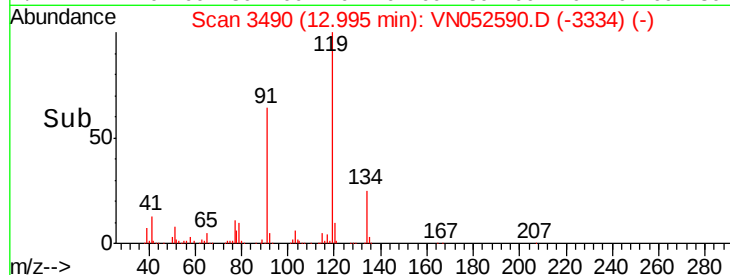
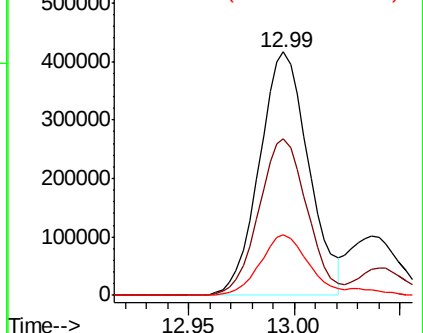
134 24.2 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.879 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052590.D

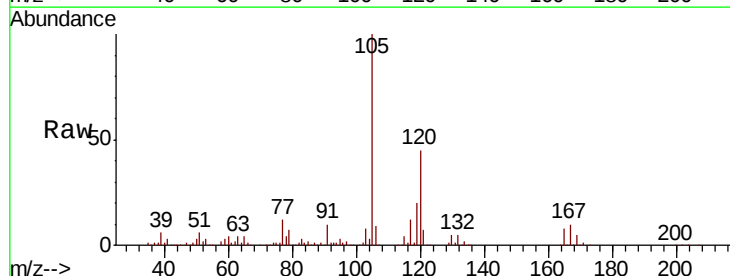
Acq: 30 Nov 2018 3:17

Tgt Ion:105 Resp: 771329

Ion Ratio Lower Upper

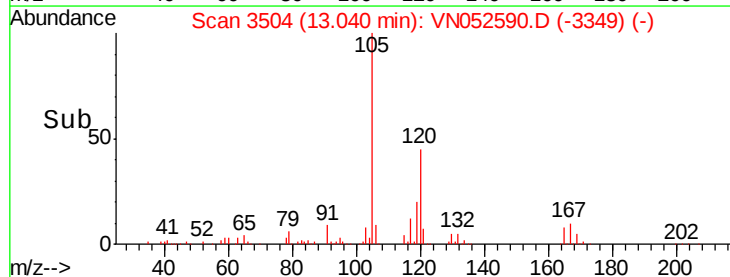
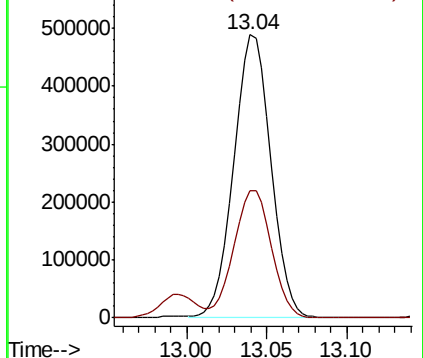
105 100

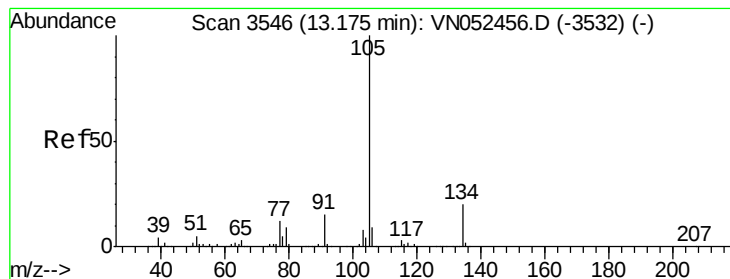
120 45.4 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.205 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

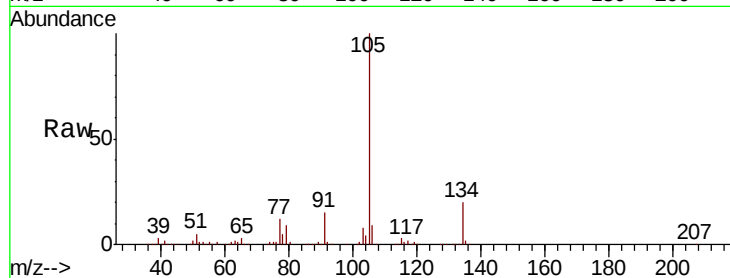
VN1129WBSD02

Tot Ion:105 Resp: 903361

Ion Ratio Lower Upper

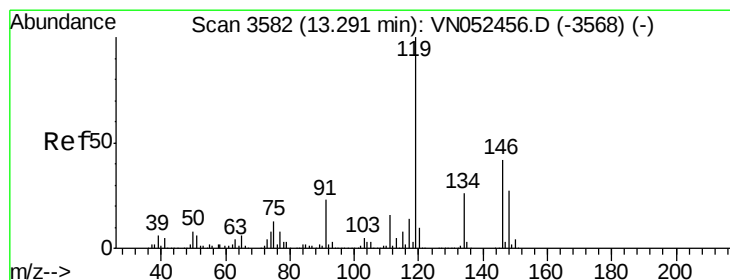
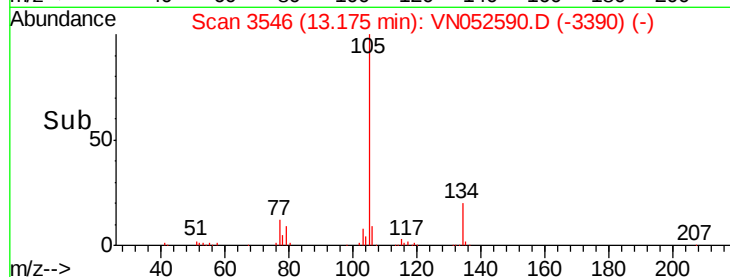
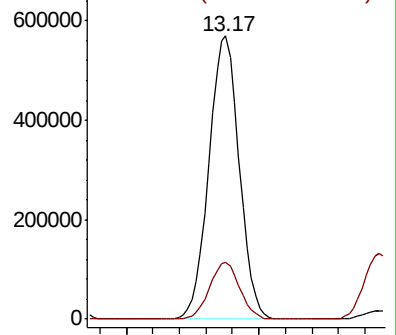
105 100

134 20.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.143 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

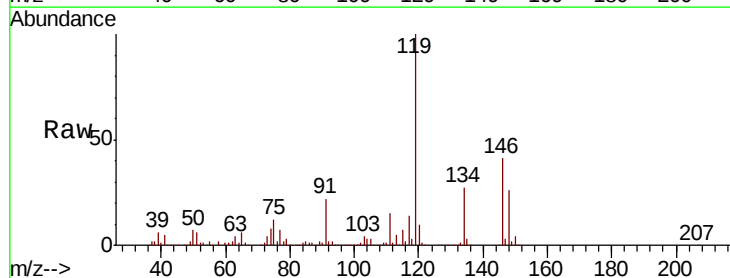
Tgt Ion:119 Resp: 766756

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

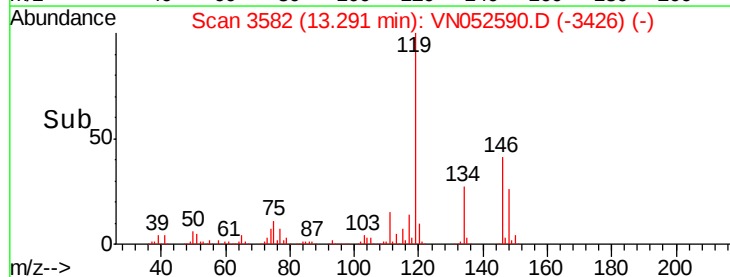
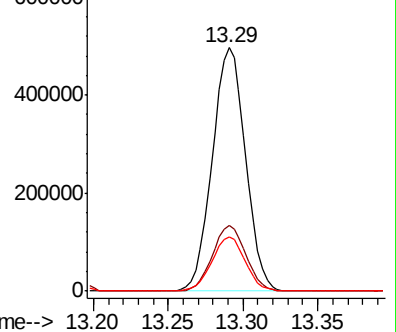
91 22.4 0.0 46.2

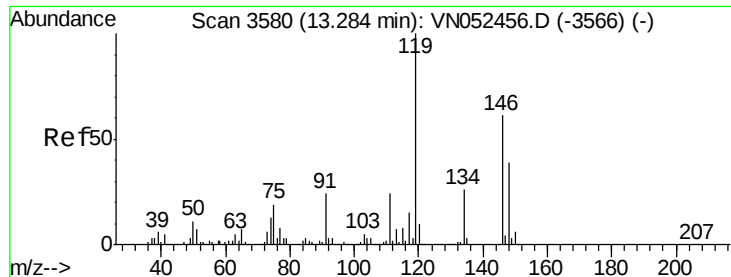


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

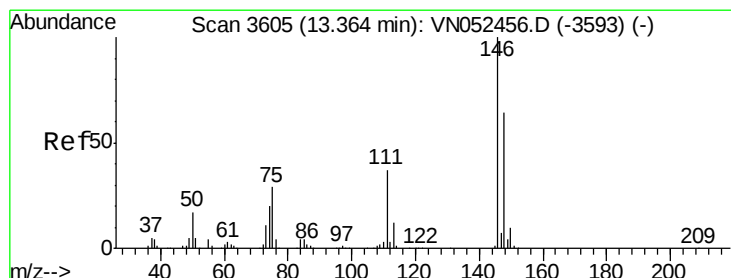
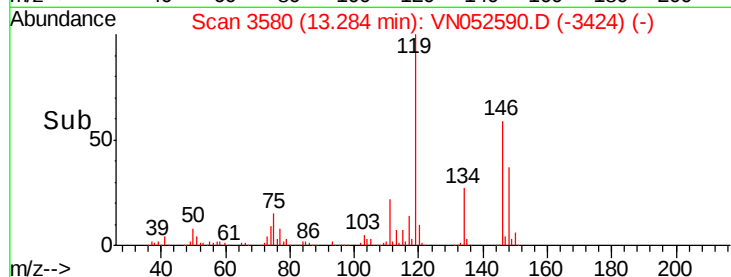
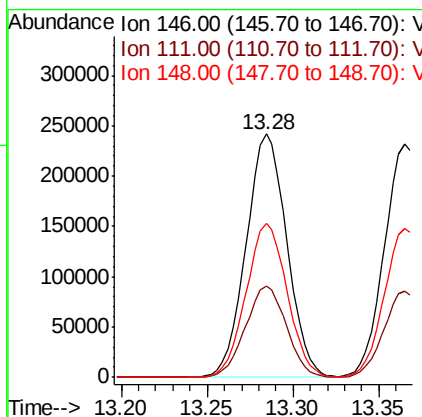
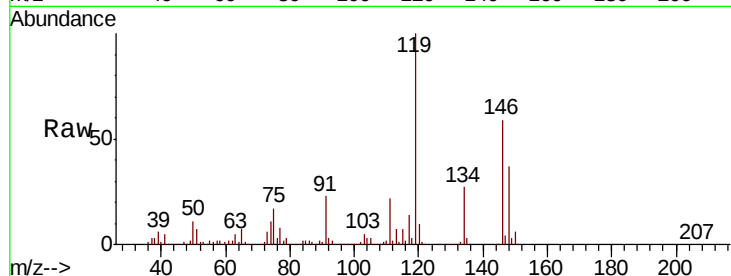




#83
 1,3-Dichlorobenzene
 Concen: 19.483 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

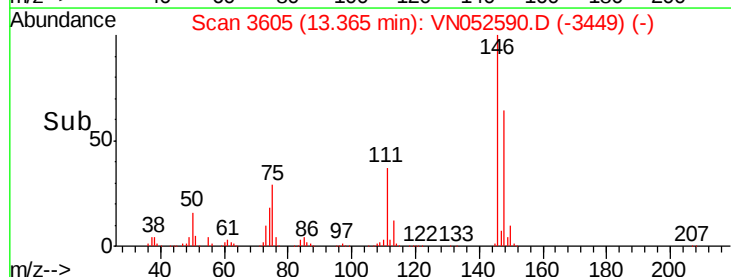
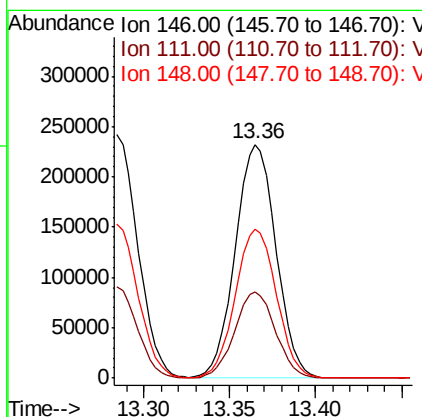
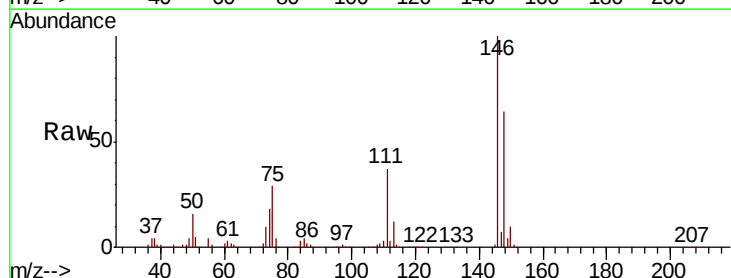
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

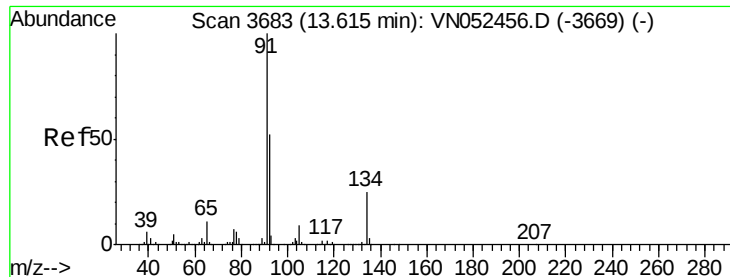
Tot Ion:146 Resp: 397879
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.7 59.0
 148 63.7 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 19.399 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion:146 Resp: 382753
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.3
 148 64.5 32.5 97.4





#85

n-Butylbenzene

Concen: 17.573 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBSD02

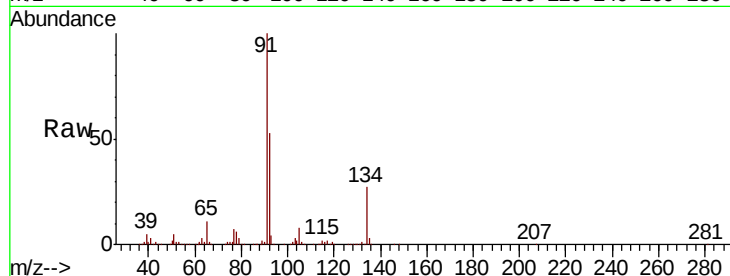
Tot Ion: 91 Resp: 604584

Ion Ratio Lower Upper

91 100

92 52.8 0.0 104.2

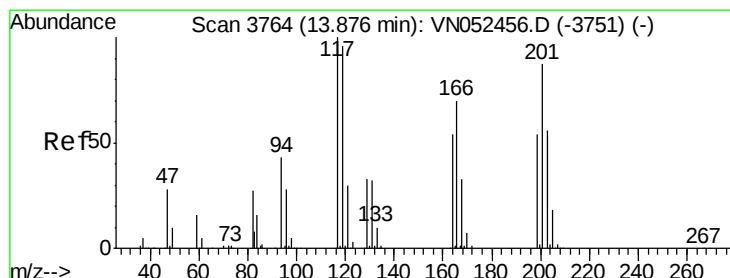
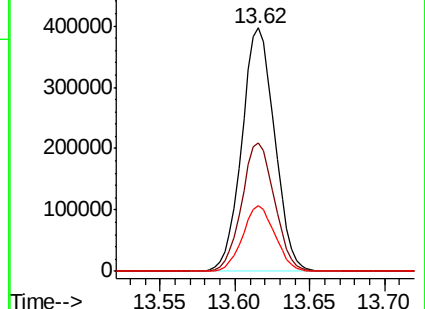
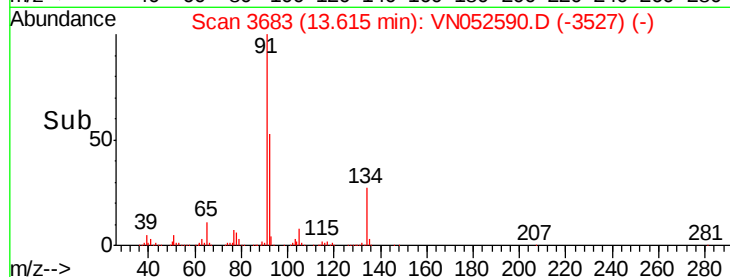
134 26.5 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)



#86

Hexachloroethane

Concen: 18.379 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052590.D

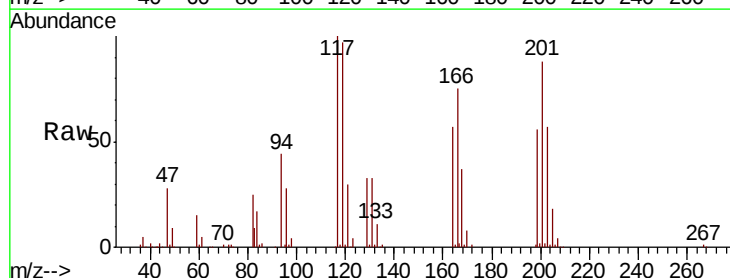
Acq: 30 Nov 2018 3:17

Tgt Ion: 117 Resp: 124728

Ion Ratio Lower Upper

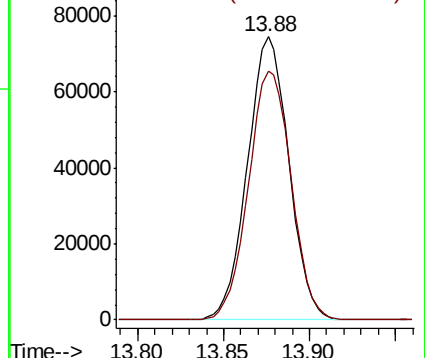
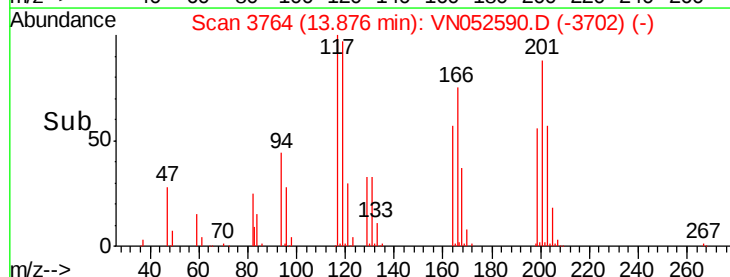
117 100

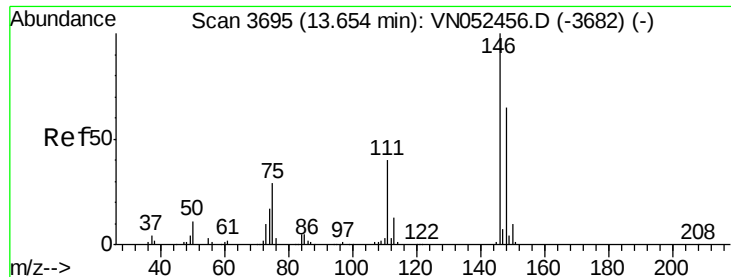
201 90.4 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 20.010 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

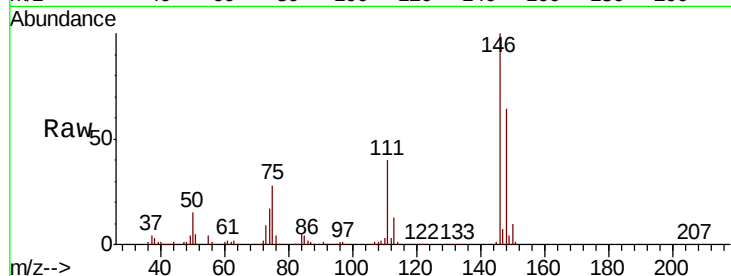
Tot Ion:146 Resp: 388872

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.8

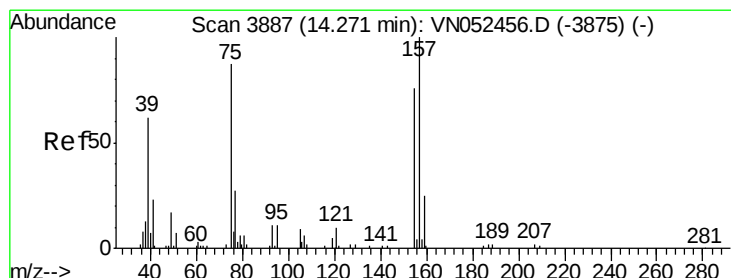
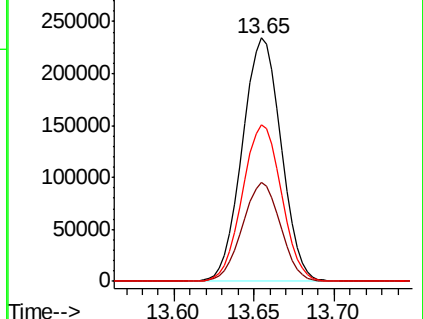
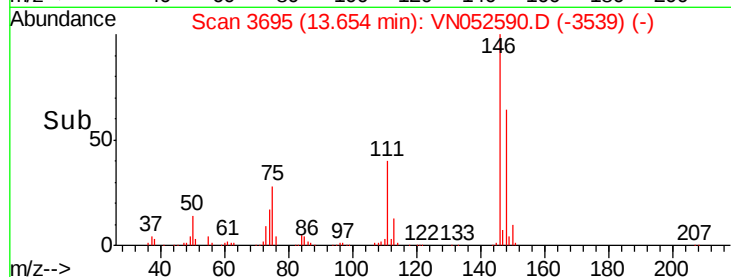
148 64.6 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.713 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

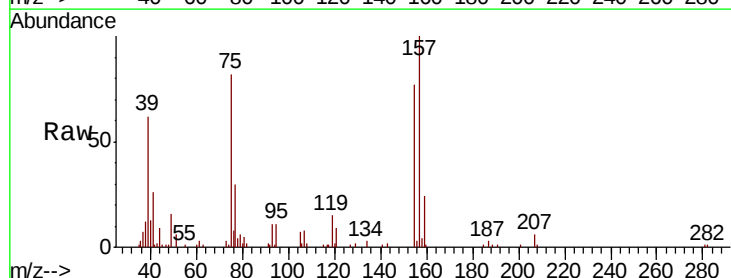
Tgt Ion: 75 Resp: 28837

Ion Ratio Lower Upper

75 100

155 94.6 72.2 108.2

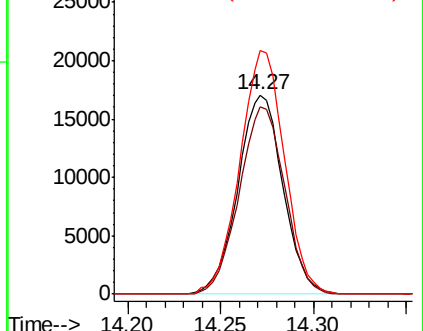
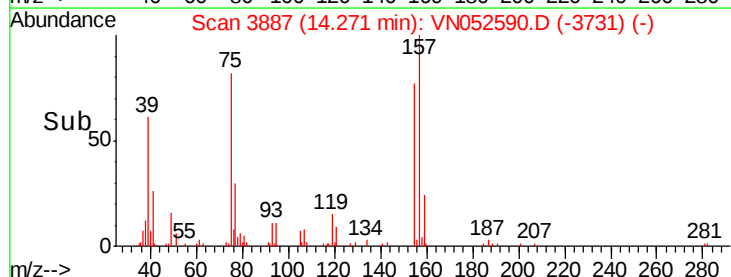
157 120.8 94.2 141.2

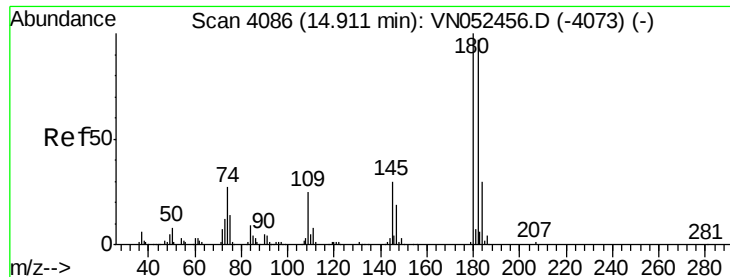


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

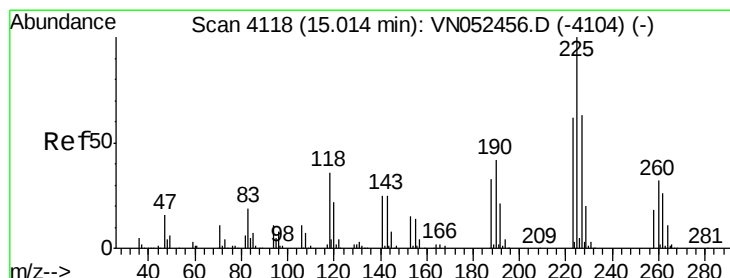
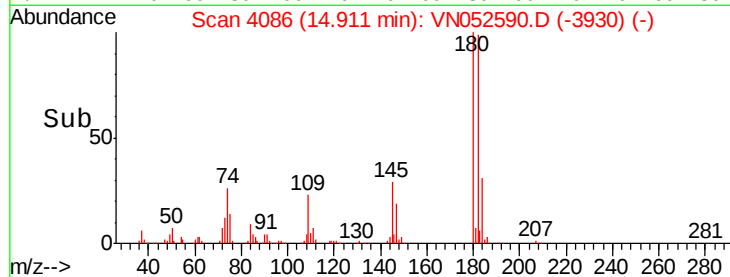
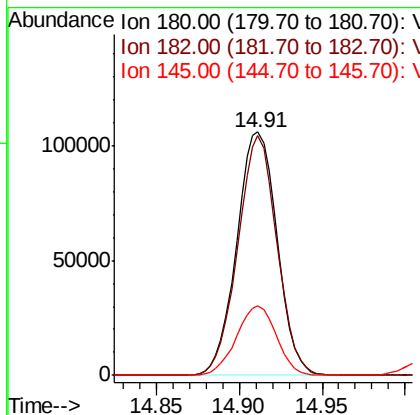
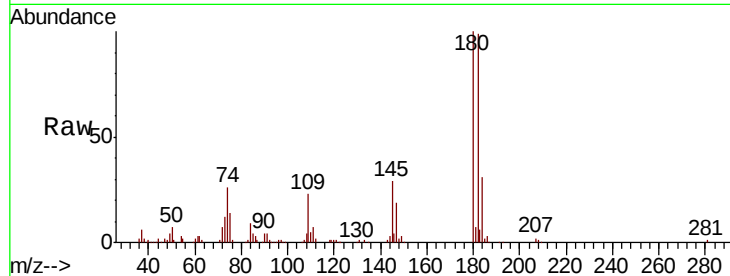




#89
 1,2,4-Trichlorobenzene
 Concen: 18.789 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

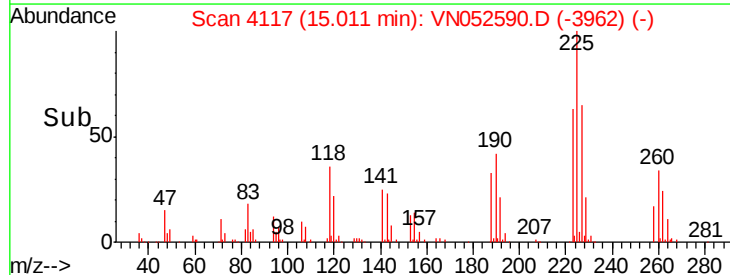
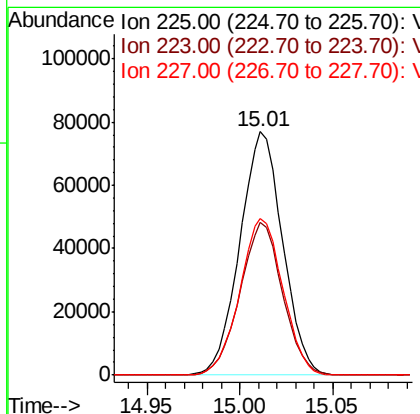
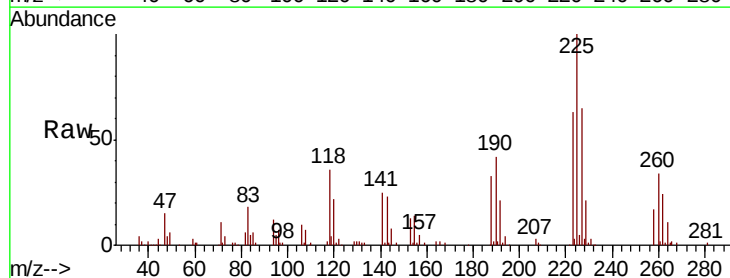
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD02

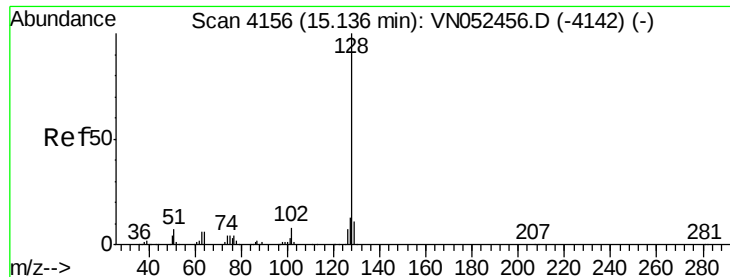
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	28.2	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 19.591 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052590.D
 Acq: 30 Nov 2018 3:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	0.0	125.6
227	64.6	0.0	127.8





#91

Naphthalene

Concen: 19.636 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD02

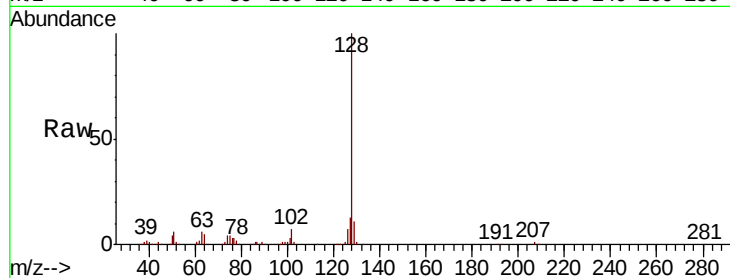
Tot Ion:128 Resp: 379664

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

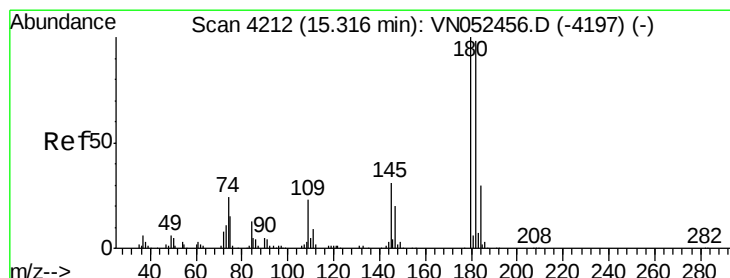
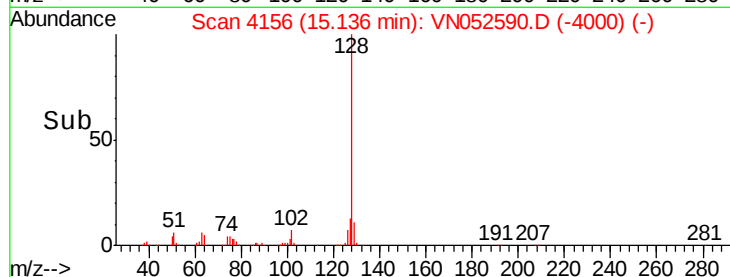
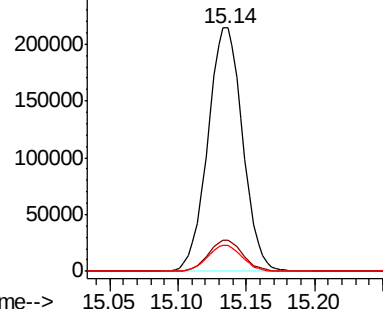
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.795 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052590.D

Acq: 30 Nov 2018 3:17

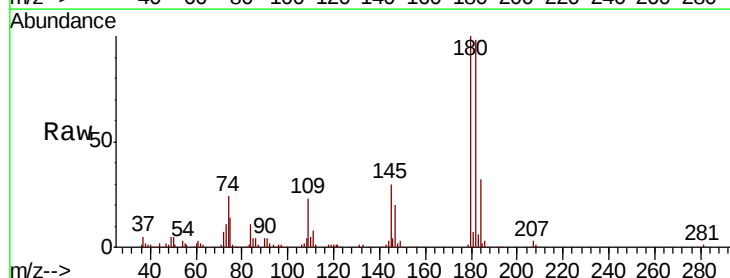
Tgt Ion:180 Resp: 174660

Ion Ratio Lower Upper

180 100

182 95.8 0.0 196.2

145 30.0 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

