

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052061.D
 Acq On : 30 Oct 2018 13:18
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:12 AM

Quant Time: Oct 31 04:04:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	282524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	206186	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
35) Dibromofluoromethane	7.59	113	164246	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	660065	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	246903	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	206239	60.056	ug/l	100
3) Chloromethane	2.06	50	232536	53.727	ug/l	97
4) Vinyl Chloride	2.19	62	237182	50.915	ug/l	94
5) Bromomethane	2.57	94	155681	44.550	ug/l	92
6) Chloroethane	2.71	64	147675	49.099	ug/l	94
7) Trichlorofluoromethane	3.03	101	281092	52.837	ug/l	97
8) Diethyl Ether	3.41	74	104142	52.477	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.77	101	172704	55.027	ug/l	99
10) Methyl Iodide	3.96	142	225446	54.813	ug/l	98
11) Tert butyl alcohol	4.78	59	51813	228.222	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	159878	53.943	ug/l	97
13) Acrolein	3.61	56	58857	257.007	ug/l	95
14) Allyl chloride	4.33	41	295053	49.744	ug/l	97
15) Acrylonitrile	4.99	53	301375	232.204	ug/l	99
16) Acetone	3.82	43	224128	231.602	ug/l	98
17) Carbon Disulfide	4.06	76	493871	52.881	ug/l	96
18) Methyl Acetate	4.33	43	134345	43.609	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	481679	49.478	ug/l	94
20) Methylene Chloride	4.55	84	191023	51.804	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	177170	52.424	ug/l	96
22) Diisopropyl ether	5.95	45	631264	49.238	ug/l	99
23) Vinyl Acetate	5.90	43	2208336	248.603	ug/l	98
24) 1,1-Dichloroethane	5.85	63	359391	50.132	ug/l	99
25) 2-Butanone	6.83	43	356473	234.853	ug/l	100
26) 2,2-Dichloropropane	6.83	77	306813	53.889	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	206909	51.266	ug/l	99
28) Bromochloromethane	7.20	49	161083	45.341	ug/l	97
29) Tetrahydrofuran	7.21	42	234226	231.627	ug/l	98
30) Chloroform	7.37	83	360586	50.391	ug/l	97
31) Cyclohexane	7.66	56	344515	51.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	312577	54.315	ug/l	97
36) 1,1-Dichloropropene	7.79	75	283789	52.656	ug/l	99
37) Ethyl Acetate	6.93	43	166447	46.141	ug/l	99
38) Carbon Tetrachloride	7.78	117	257937	55.506	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	354257	55.390	ug/l	94
40) Benzene	8.04	78	806538	51.737	ug/l	99
41) Methacrylonitrile	7.17	41	94613	50.824	ug/l	95
42) 1,2-Dichloroethane	8.13	62	273548	47.551	ug/l	99
43) Isopropyl Acetate	8.16	43	309348	48.215	ug/l	98
44) Trichloroethene	8.84	130	192503	55.218	ug/l	94
45) 1,2-Dichloropropane	9.12	63	220074	49.558	ug/l	99
46) Dibromomethane	9.21	93	127824	51.502	ug/l	95
47) Bromodichloromethane	9.40	83	278344	53.772	ug/l	98
48) Methyl methacrylate	9.20	41	154237	47.415	ug/l	98
49) 1,4-Dioxane	9.20	88	26929	987.599	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	827123	237.181	ug/l	99
52) Toluene	10.16	92	502544	53.403	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	292738	53.491	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	329882	54.277	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172707	51.529	ug/l	96
56) Ethyl methacrylate	10.43	69	241558	50.384	ug/l	97
57) 1,3-Dichloropropane	10.71	76	309075	50.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	647980	254.091	ug/l	100
59) 2-Hexanone	10.75	43	586246	235.902	ug/l	97
60) Dibromochloromethane	10.90	129	179739	54.473	ug/l	99
61) 1,2-Dibromoethane	11.00	107	173124	51.960	ug/l	99
64) Tetrachloroethene	10.63	164	152875	52.027	ug/l	96
65) Chlorobenzene	11.43	112	541385	52.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	182088	56.765	ug/l	99
67) Ethyl Benzene	11.51	91	991395	54.419	ug/l	99
68) m/p-Xylenes	11.62	106	743566	114.030	ug/l	100
69) o-Xylene	11.95	106	357982	55.480	ug/l	98
70) Styrene	11.96	104	588065	56.327	ug/l	99
71) Bromoform	12.12	173	99681	48.427	ug/l #	98
73) Isopropylbenzene	12.25	105	971164	52.994	ug/l	99
74) N-amyl acetate	12.07	43	290241	45.381	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208868	47.530	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190433m	48.544	ug/l	
77) Bromobenzene	12.53	156	199214	51.955	ug/l	97
78) n-propylbenzene	12.59	91	1177528	53.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	675630	52.193	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	796324	53.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61335	51.895	ug/l	100
82) 4-Chlorotoluene	12.77	91	700126	53.038	ug/l	100
83) tert-Butylbenzene	12.99	119	674482	53.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	801273	53.980	ug/l	100
85) sec-Butylbenzene	13.17	105	968376	54.113	ug/l	98
86) p-Isopropyltoluene	13.29	119	799064	54.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	366601	52.427	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	364584	52.021	ug/l	99
89) n-Butylbenzene	13.61	91	761318	54.774	ug/l	98
90) Hexachloroethane	13.87	117	134991	54.047	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350507	53.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30094	47.558	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143768	58.727	ug/l	97
94) Hexachlorobutadiene	15.01	225	73459	53.613	ug/l	99
95) Naphthalene	15.13	128	349442	56.909	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	119201	56.424	ug/l	98

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

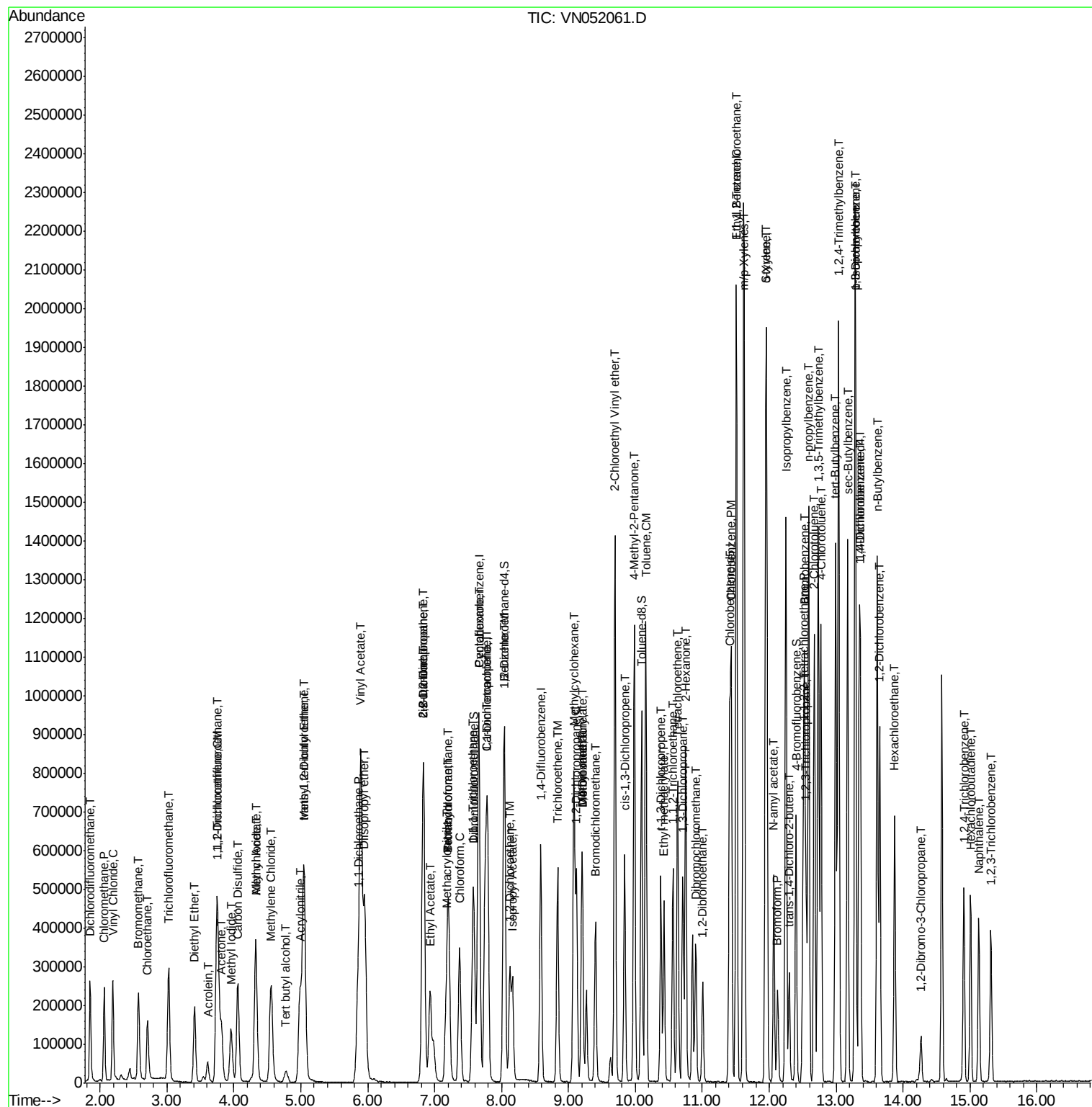
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Data File : VN052061.D
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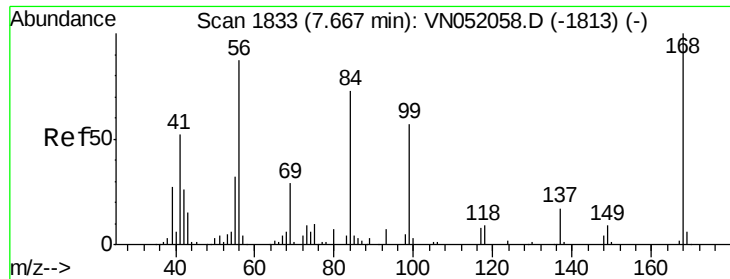
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN103018

Tot Ion:168 Resp: 282524

Ion Ratio Lower Upper

168 100

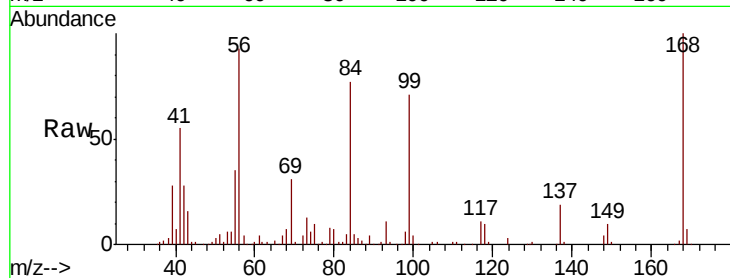
99 71.1 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

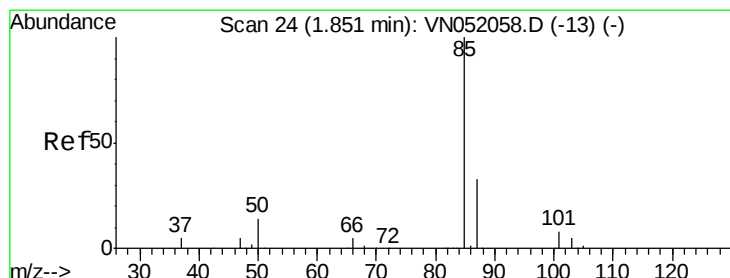
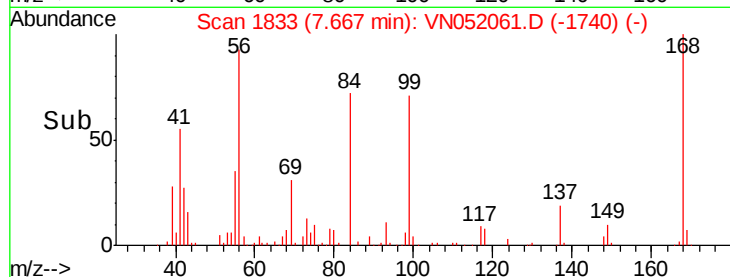
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 60.056 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052061.D

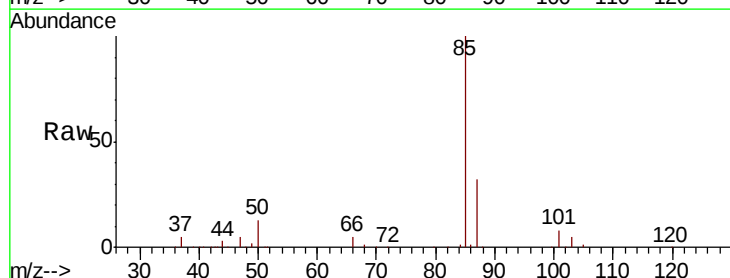
Acq: 30 Oct 2018 13:18

Tgt Ion: 85 Resp: 206239

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

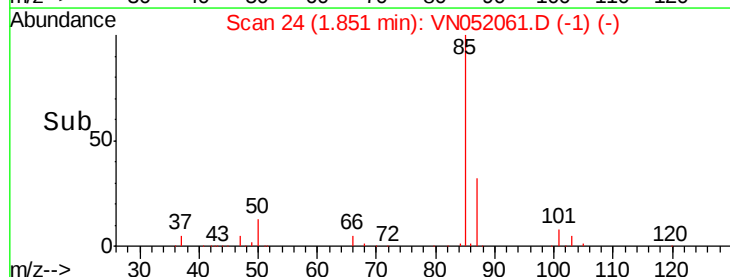
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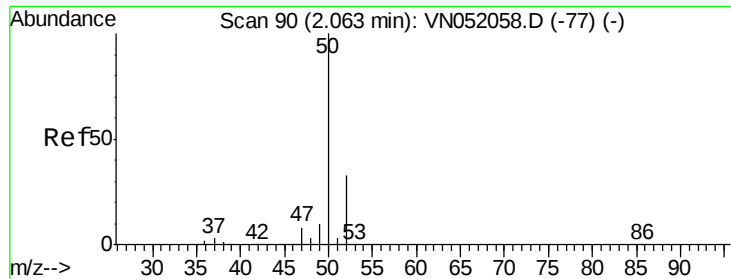
100000

50000

0

Time-->





#3

Chloromethane

Concen: 53.727 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN103018

Tot Ion: 50 Resp: 232536

Ion Ratio Lower Upper

50 100

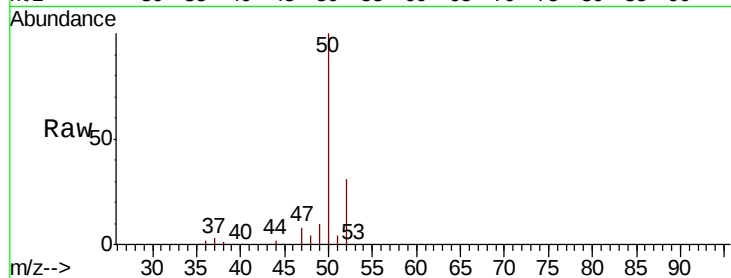
52 31.4 26.6 39.8

Manual Integrations

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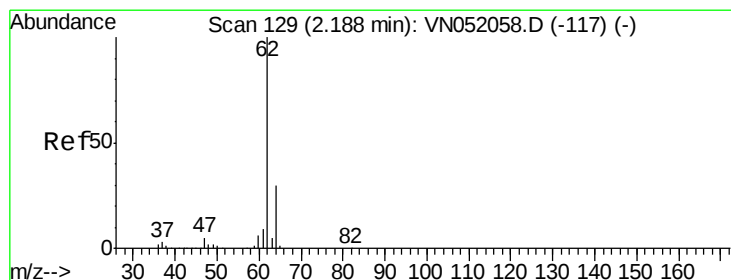
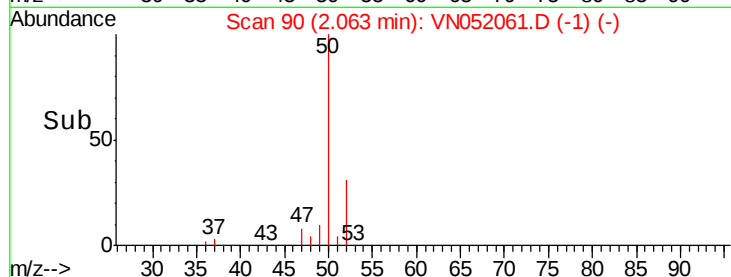
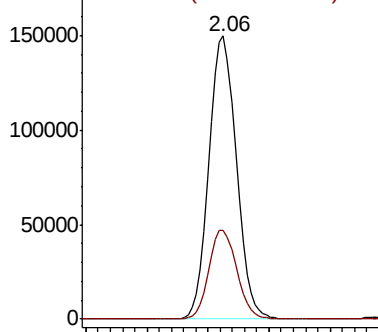
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.915 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052061.D

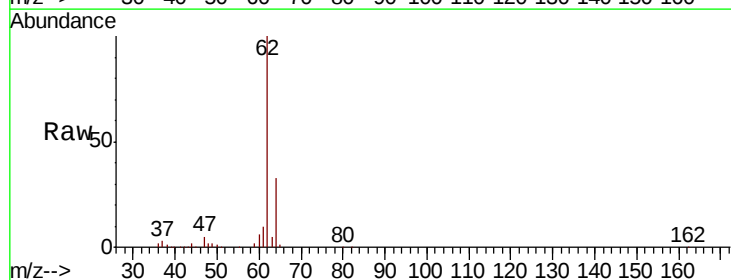
Acq: 30 Oct 2018 13:18

Tgt Ion: 62 Resp: 237182

Ion Ratio Lower Upper

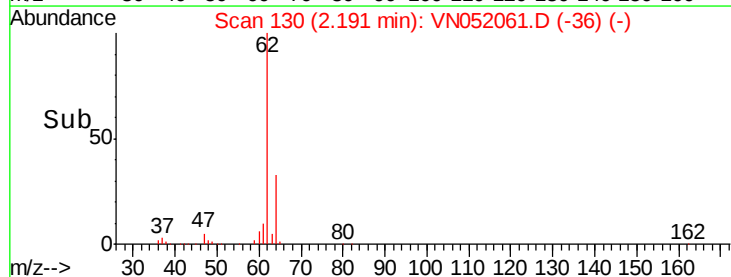
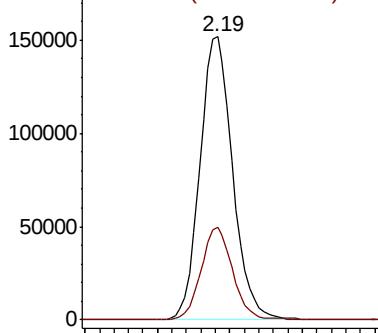
62 100

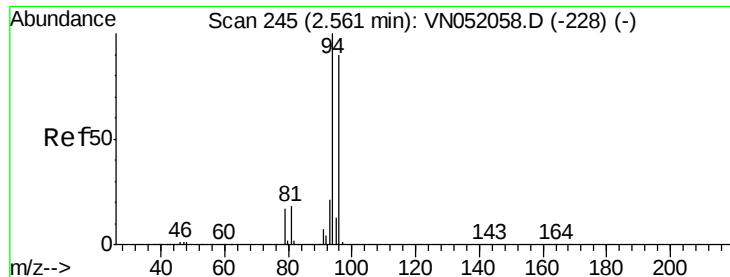
64 32.7 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.550 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

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ClientSampled :

ICVVN103018

Tot Ion: 94 Resp: 155681

Ion Ratio Lower Upper

94 100

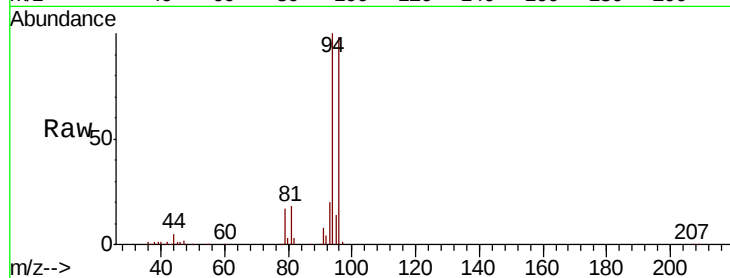
96 97.7 71.8 107.6

Manual Integrations

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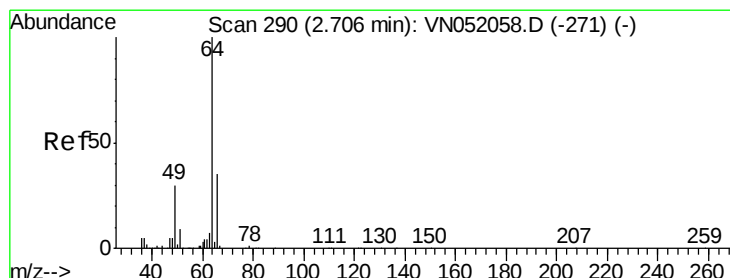
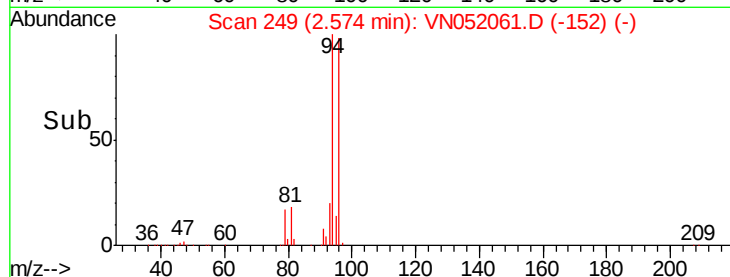
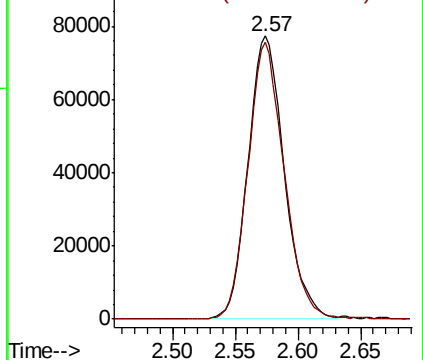
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 49.099 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052061.D

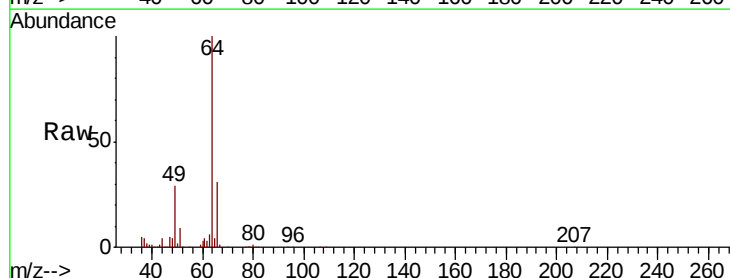
Acq: 30 Oct 2018 13:18

Tgt Ion: 64 Resp: 147675

Ion Ratio Lower Upper

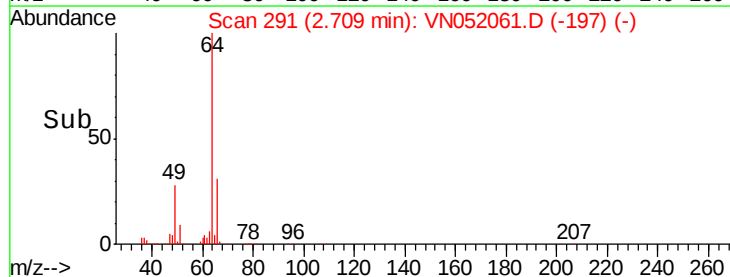
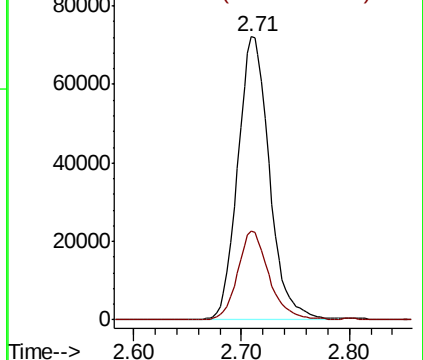
64 100

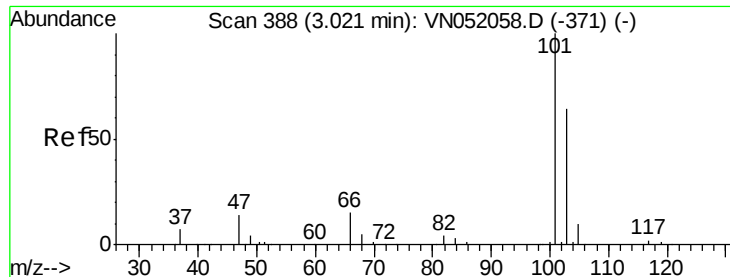
66 31.4 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

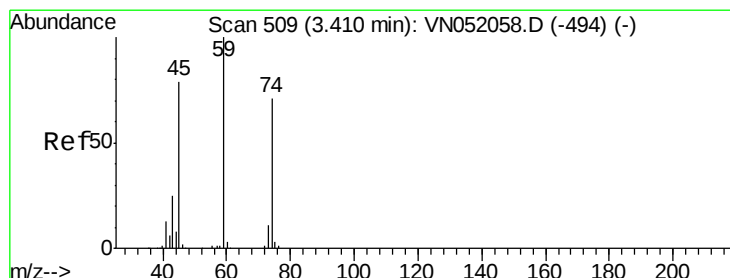
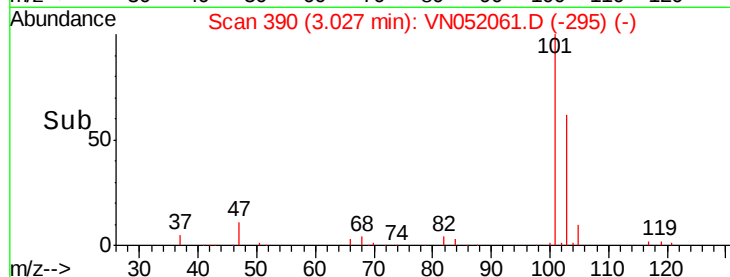
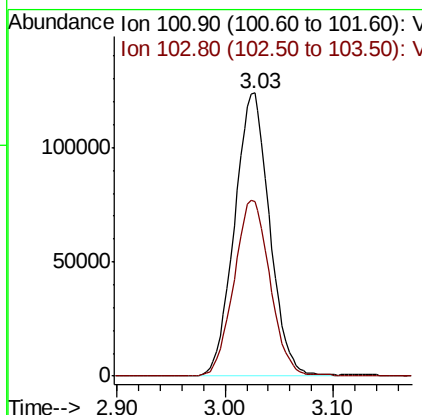
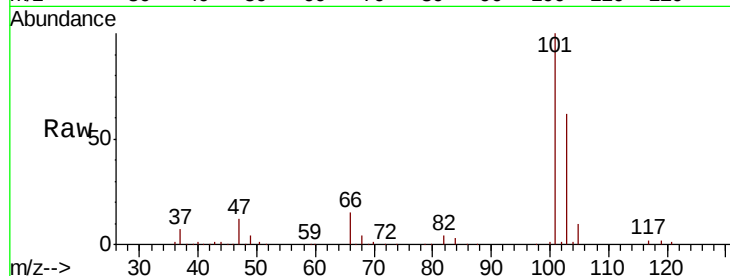
Trichlorofluoromethane
Concen: 52.837 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.0	76.4

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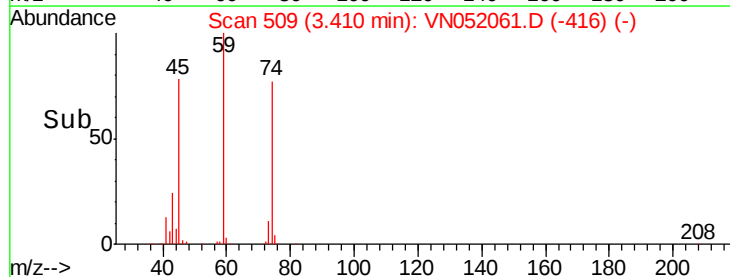
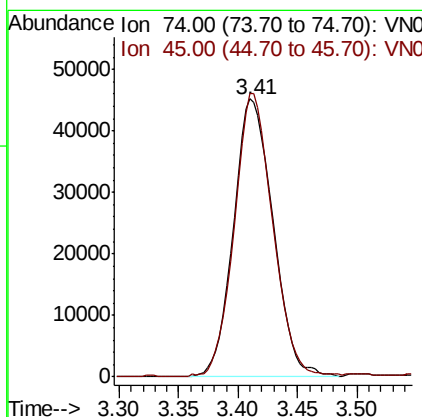
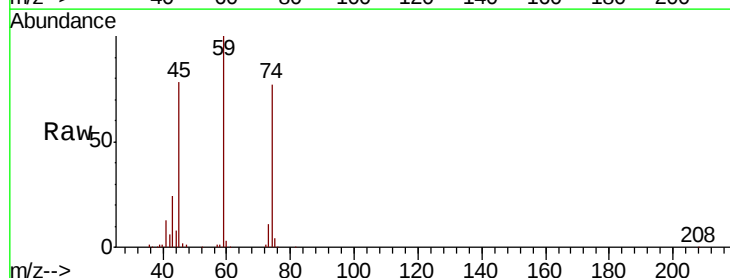
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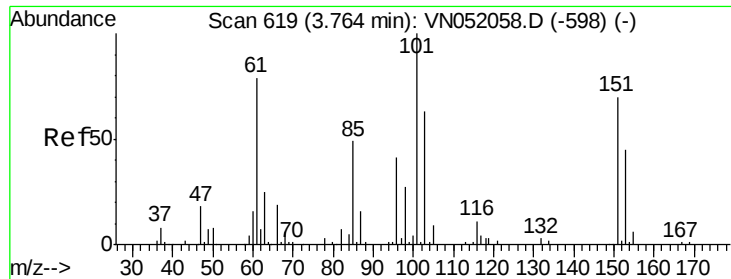


#8

Diethyl Ether
Concen: 52.477 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	55.6	166.8





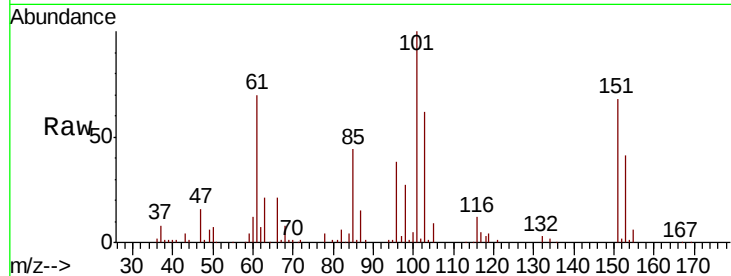
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 55.027 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.4	38.6	58.0
151	66.7	52.6	78.8

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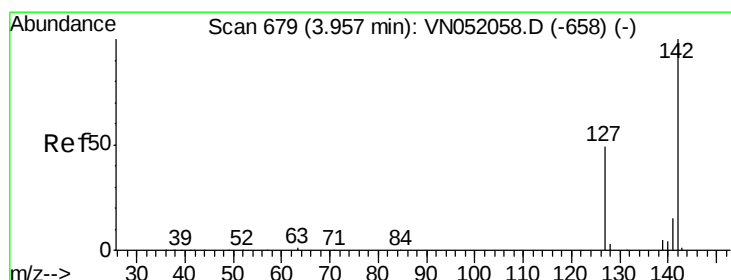
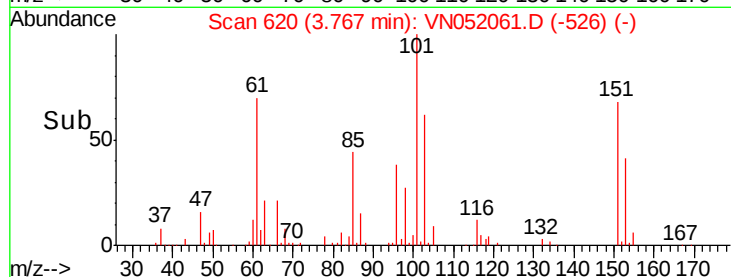
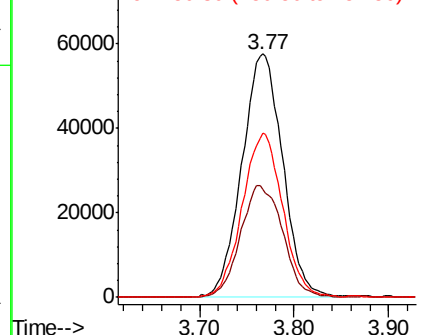


Abundance

Ion 100.90 (100.60 to 101.60): V

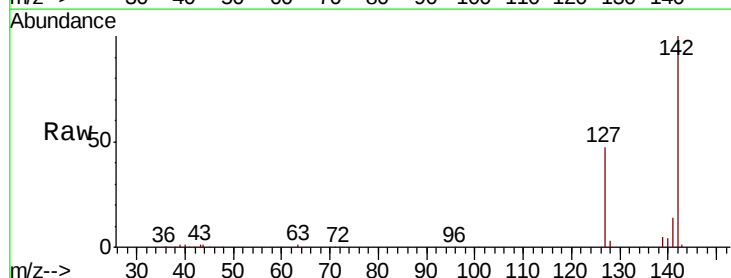
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 54.813 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.3	55.9
141	13.8	11.4	17.2

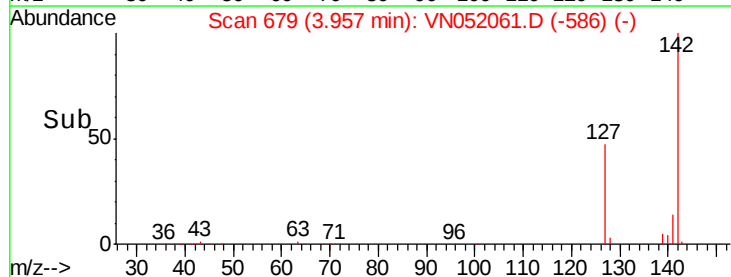
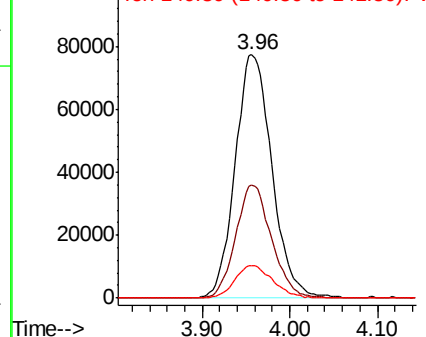


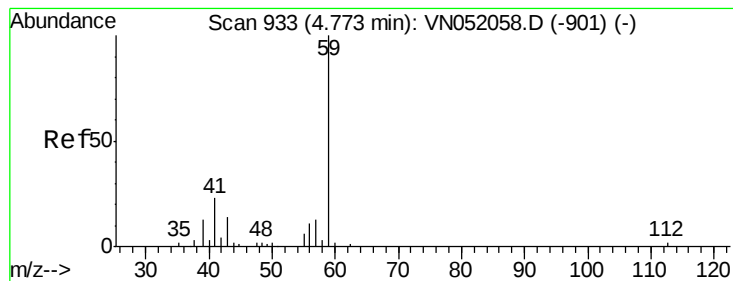
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

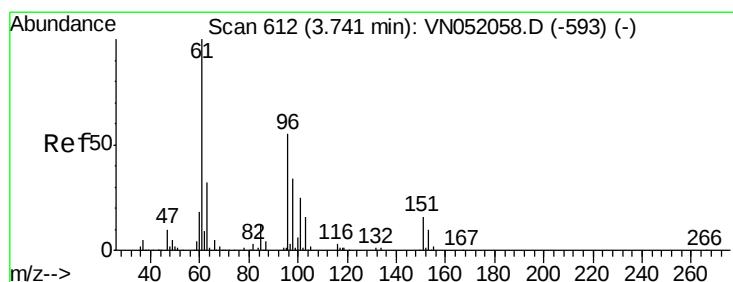
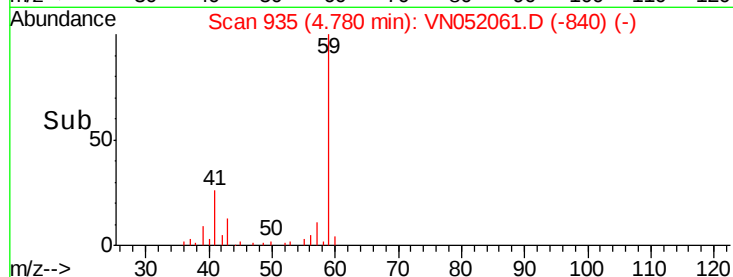
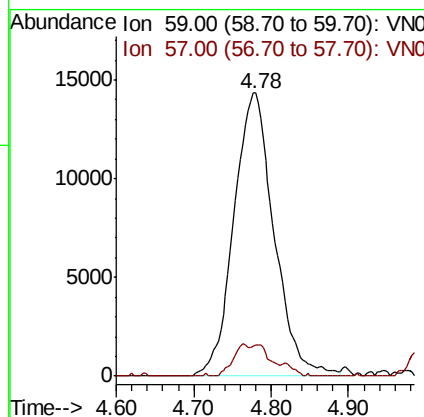
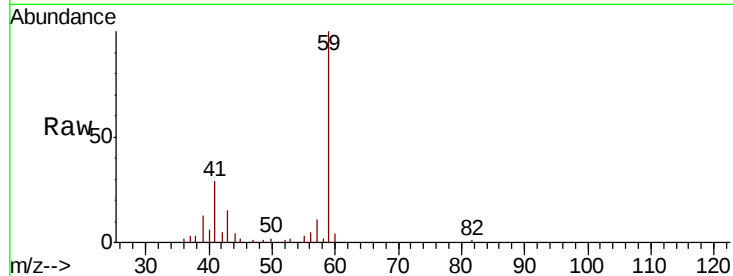
Tert butyl alcohol
Concen: 228.222 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	7.0	10.6#

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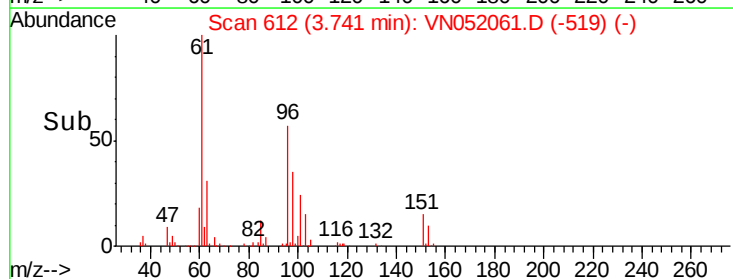
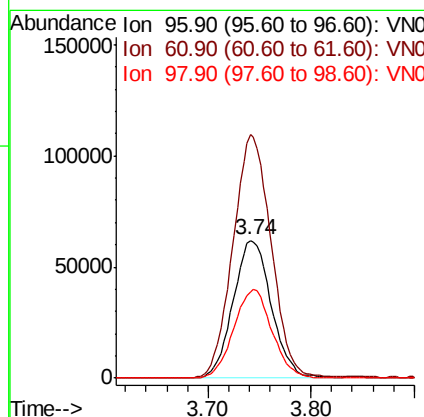
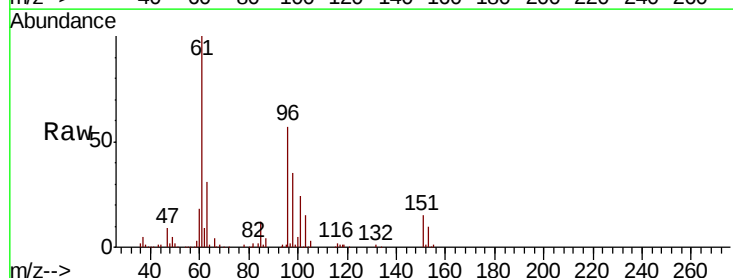
MMDadoda
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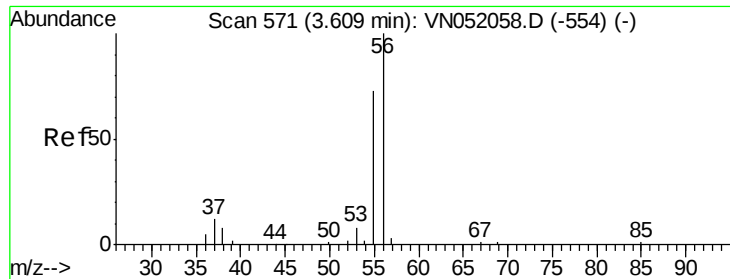


#12

1,1-Dichloroethene
Concen: 53.943 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	145.7	218.5
98	62.3	49.8	74.8





#13

Acrolein

Concen: 257.007 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVFN103018

Tot Ion: 56 Resp: 58857

Ion Ratio Lower Upper

56 100

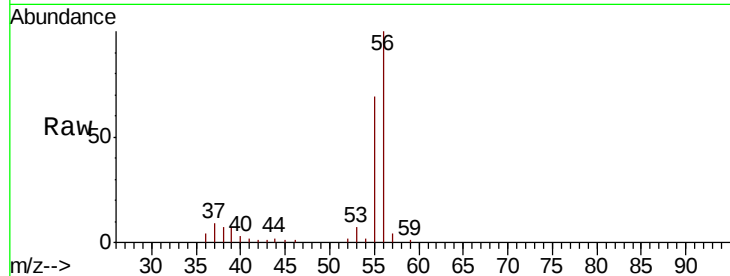
55 70.7 59.9 89.9

Manual Integrations

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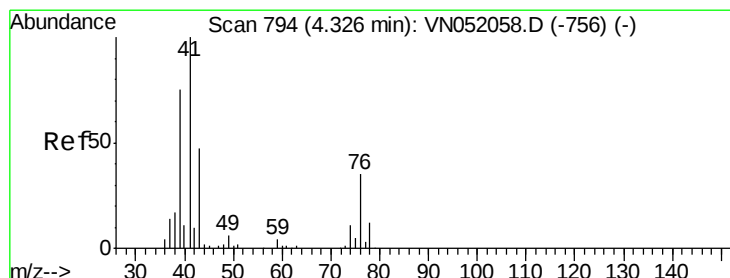
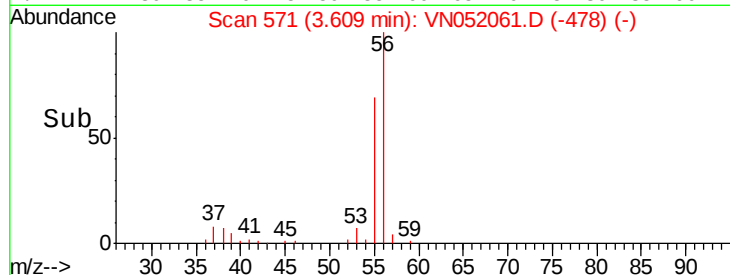
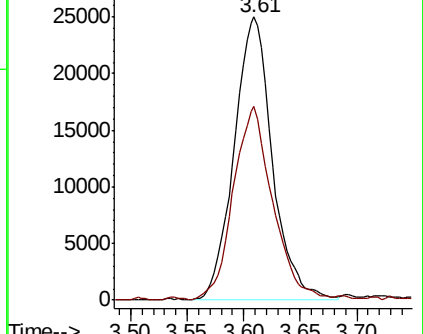
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Abundance Ion 56.00 (55.70 to 56.70): VN052058.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052058.D (-554) (-)



#14

Allyl chloride

Concen: 49.744 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

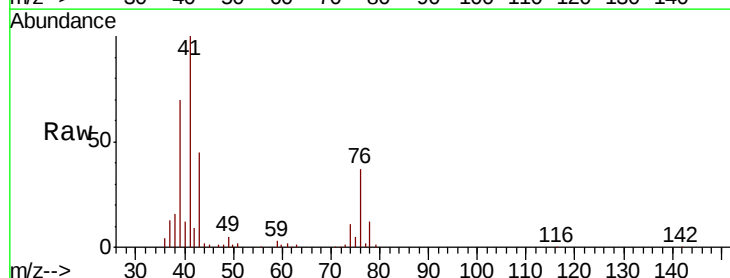
Tgt Ion: 41 Resp: 295053

Ion Ratio Lower Upper

41 100

39 73.5 58.1 87.1

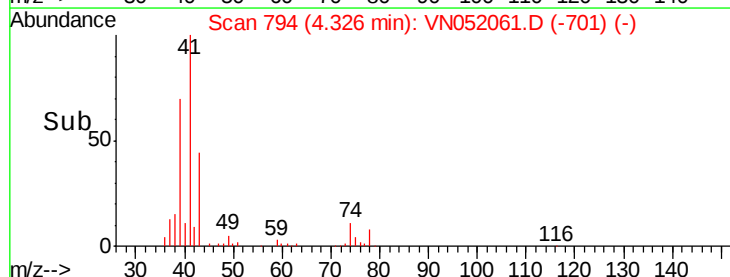
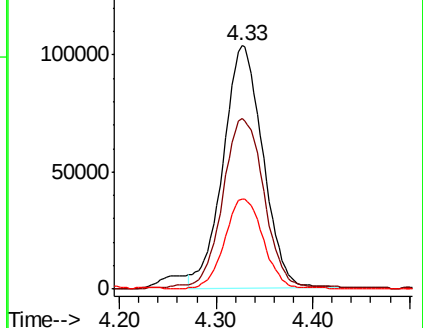
76 35.7 26.0 39.0

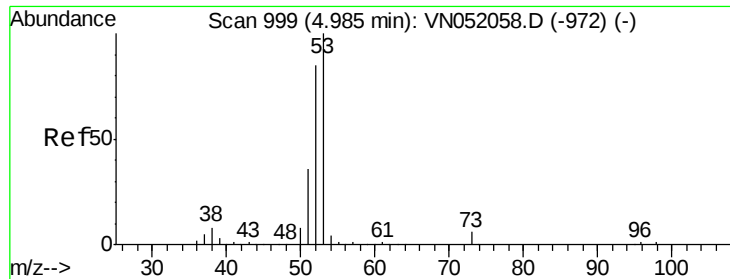


Abundance Ion 41.00 (40.70 to 41.70): VN052058.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN052058.D (-756) (-)

Ion 75.90 (75.60 to 76.60): VN052058.D (-756) (-)





#15

Acrylonitrile

Concen: 232.204 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

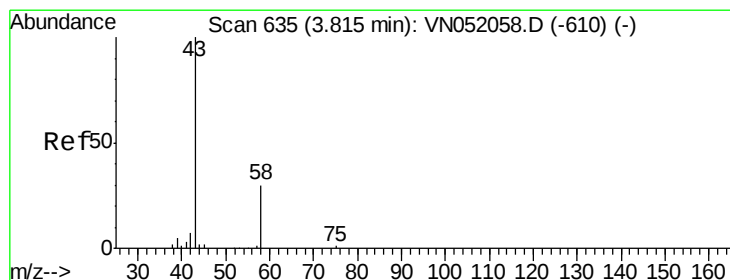
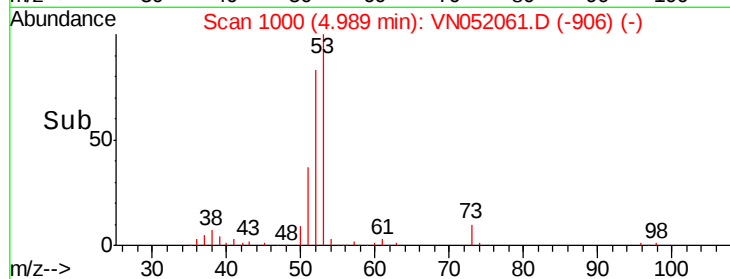
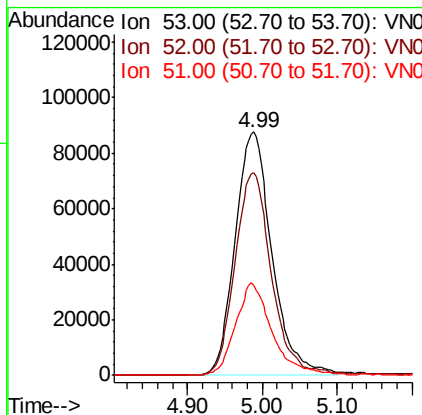
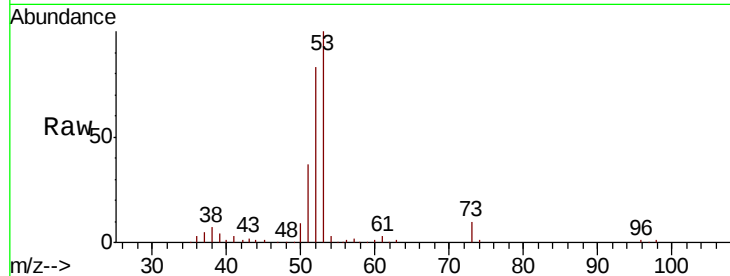
ClientSampleId :

ICVVN103018

Tot Ion:	53	Resp:	301375
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	37.5	29.0	43.6

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#16

Acetone

Concen: 231.602 ug/l

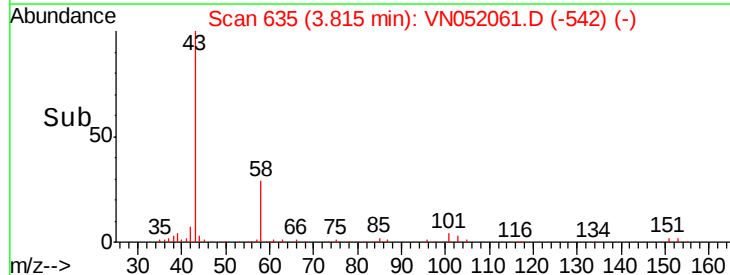
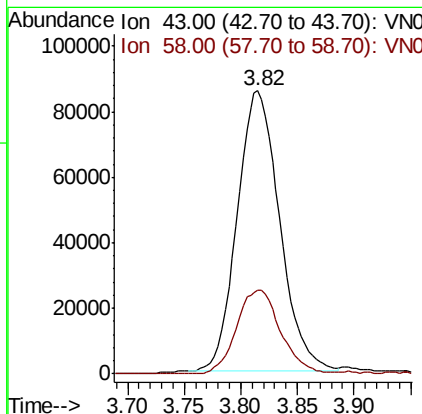
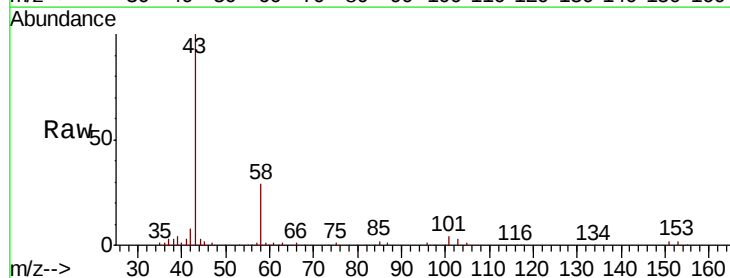
RT: 3.82 min Scan# 635

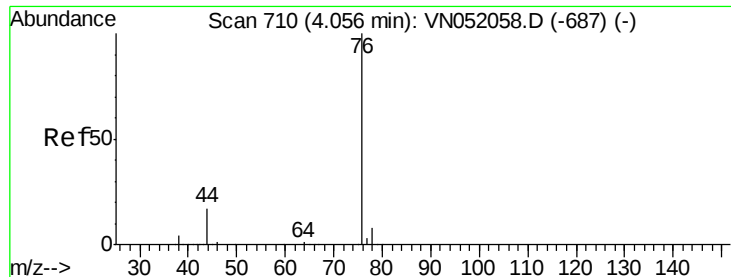
Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Tgt Ion:	43	Resp:	224128
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.2





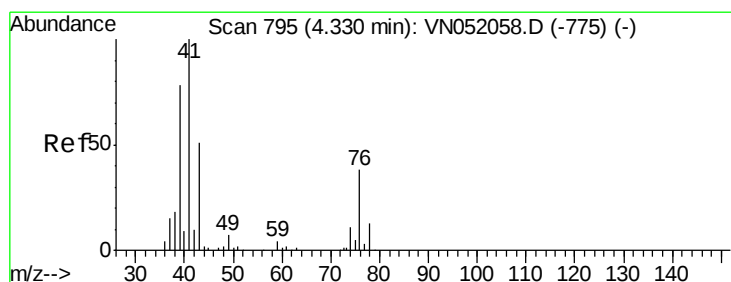
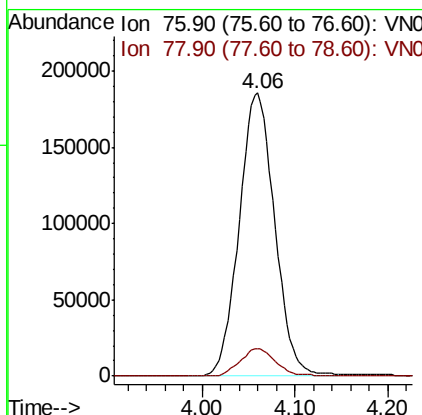
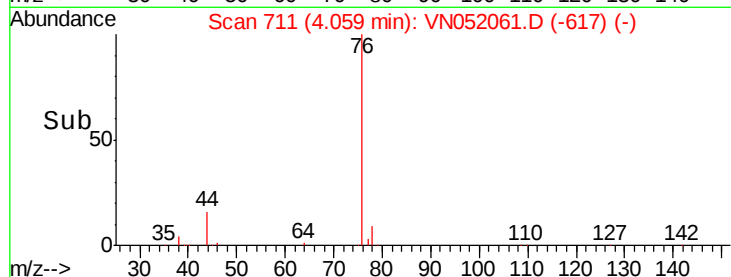
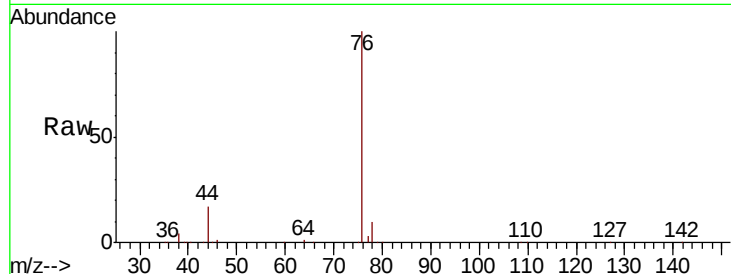
#17
Carbon Disulfide
Concen: 52.881 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.8	10.2

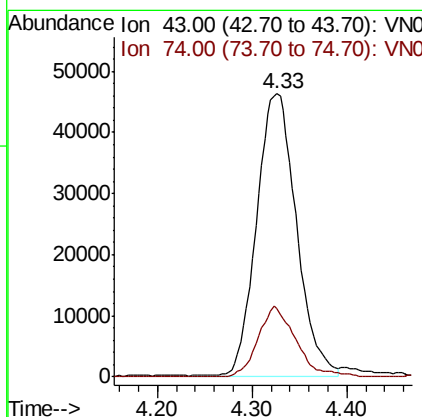
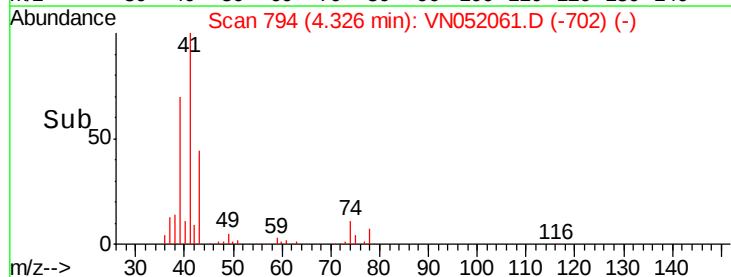
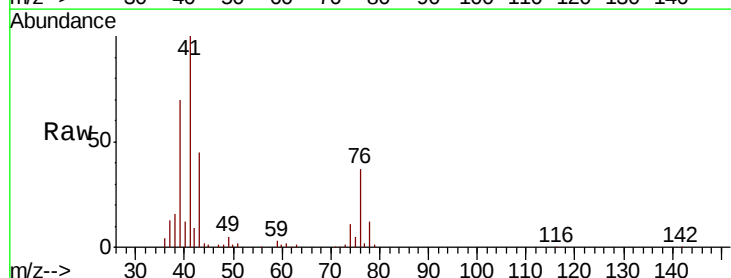
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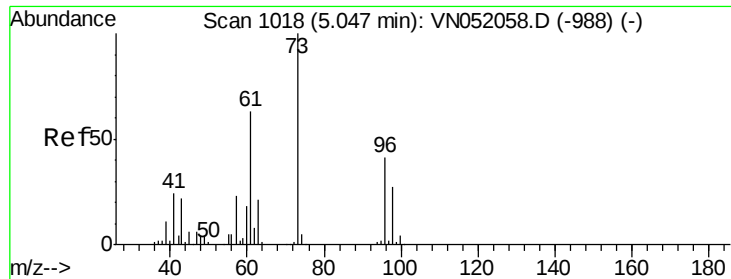
MMDadoda
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#18
Methyl Acetate
Concen: 43.609 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.9	26.9





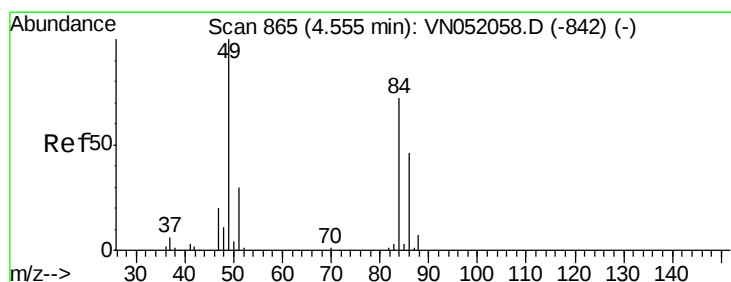
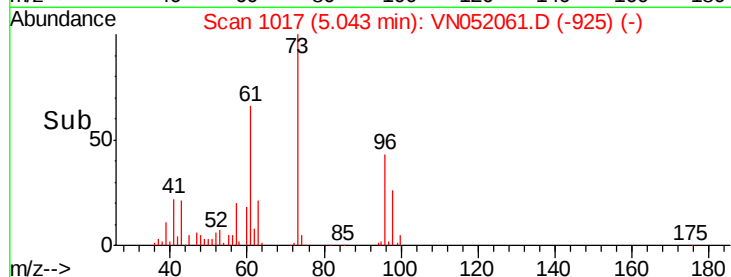
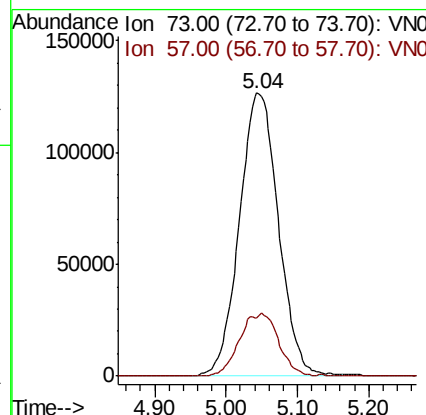
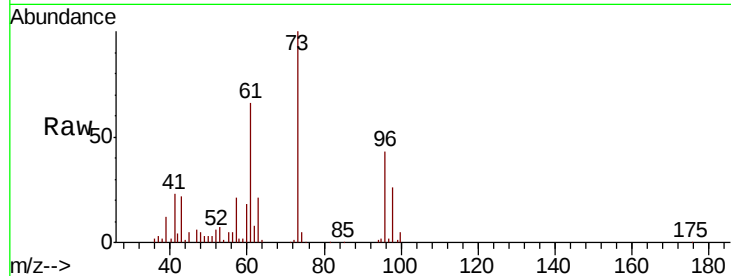
#19
Methyl tert-butyl Ether
Concen: 49.478 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion: 73 Resp: 481679
Ion Ratio Lower Upper
73 100
57 20.6 18.7 28.1

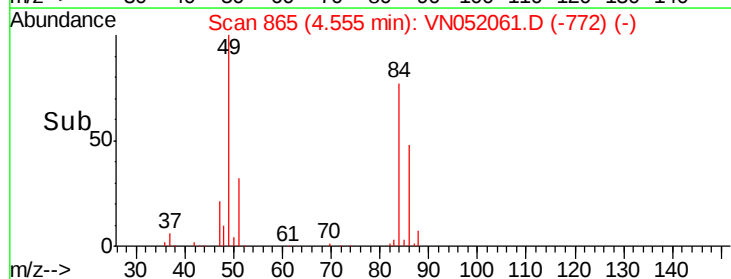
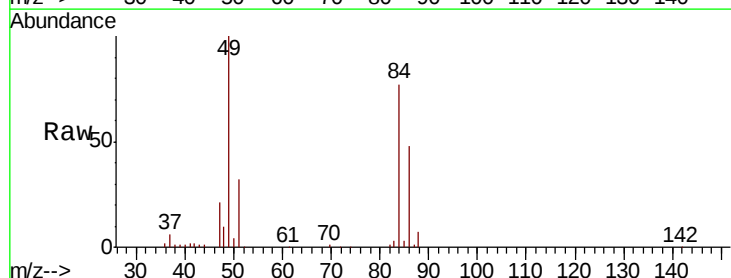
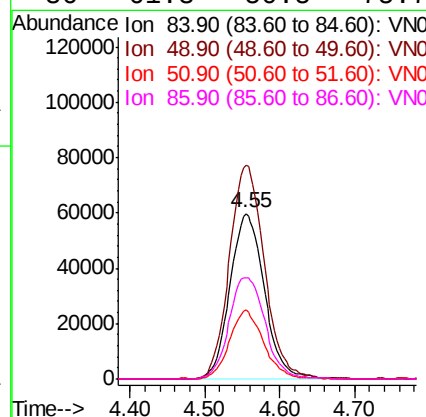
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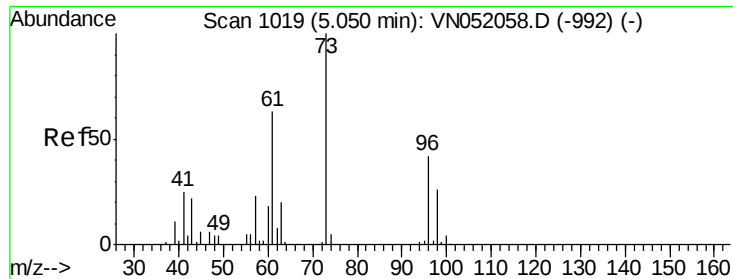
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11/1/2018 11:48:12 AM



#20
Methylene Chloride
Concen: 51.804 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion: 84 Resp: 191023
Ion Ratio Lower Upper
84 100
49 128.8 110.6 165.8
51 41.7 33.7 50.5
86 61.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 52.424 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

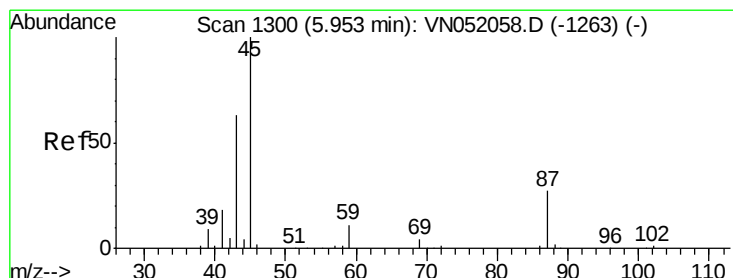
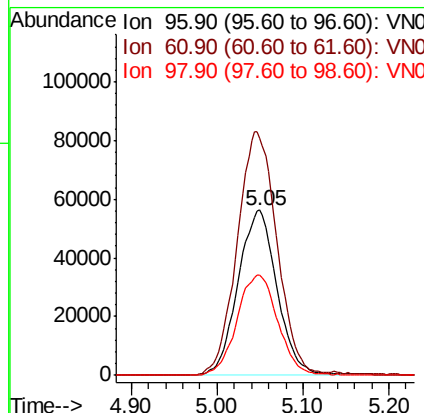
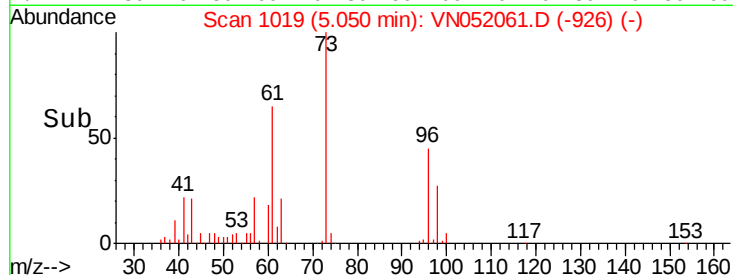
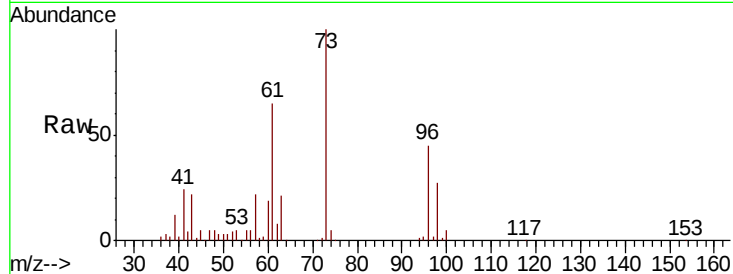
ClientSampleId :

ICVFN103018

Tot Ion:	96	Resp:	177170
Ion	Ratio	Lower	Upper
96	100		
61	142.9	118.6	178.0
98	60.3	49.7	74.5

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#22

Diisopropyl ether

Concen: 49.238 ug/l

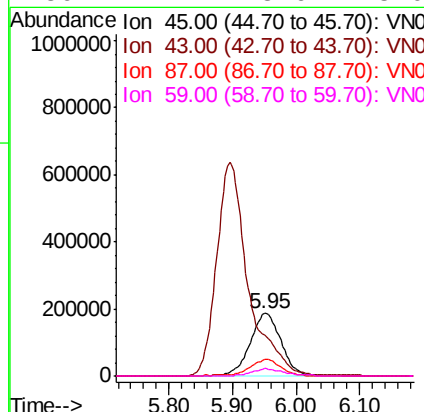
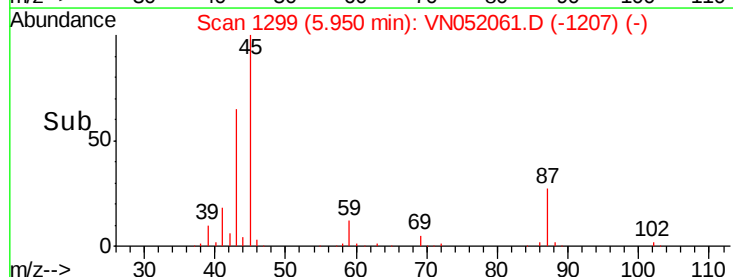
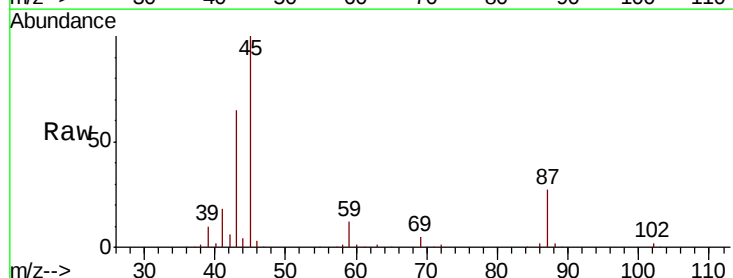
RT: 5.95 min Scan# 1299

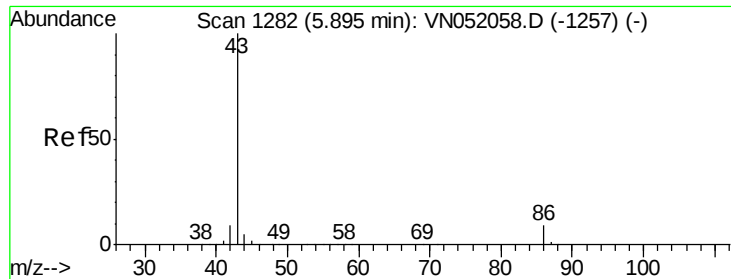
Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Tgt Ion:	45	Resp:	631264
Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.5	75.7
87	26.4	21.5	32.3
59	11.4	8.6	13.0





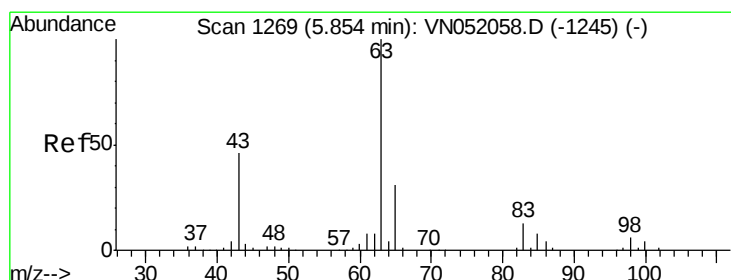
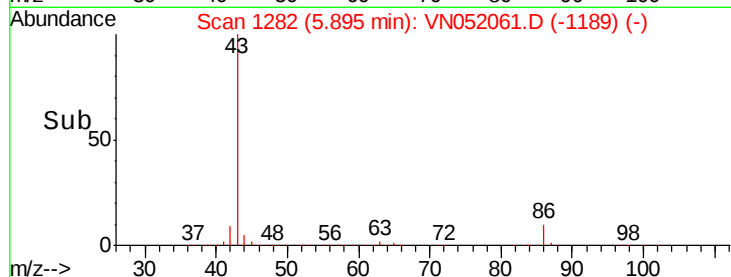
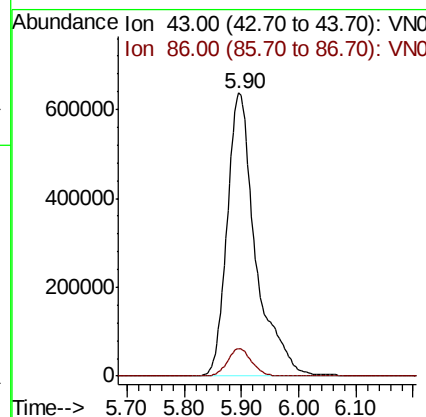
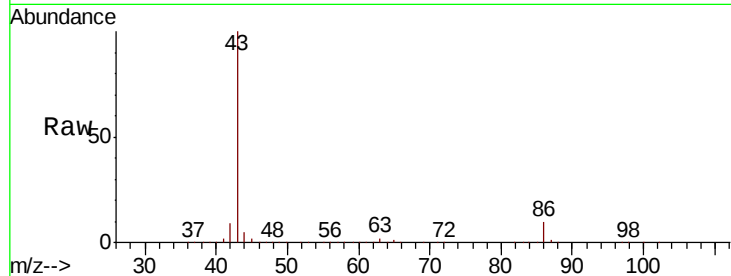
#23
 Vinyl Acetate
 Concen: 248.603 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion: 43 Resp: 2208336
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.3 10.9

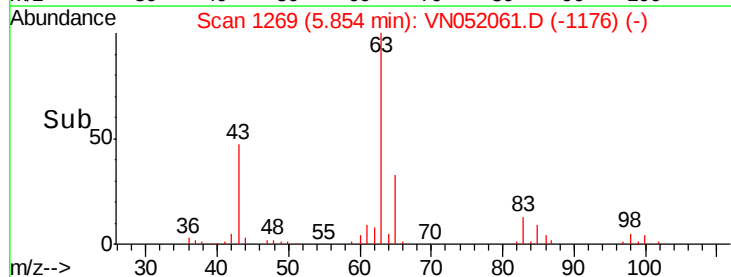
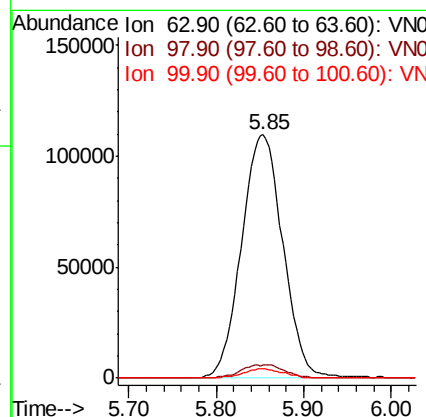
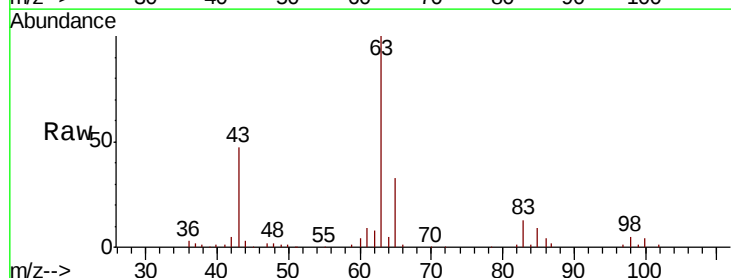
Manual Integrations
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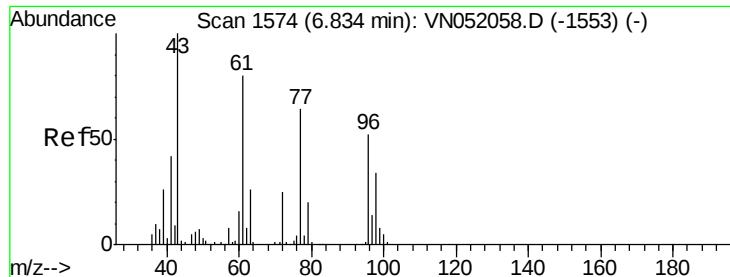
MMDadoda
 11/1/2018 11:48:12 AM



#24
 1,1-Dichloroethane
 Concen: 50.132 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion: 63 Resp: 359391
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.8 8.4
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 234.853 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN103018

Tot Ion: 43 Resp: 356473

Ion Ratio Lower Upper

43 100

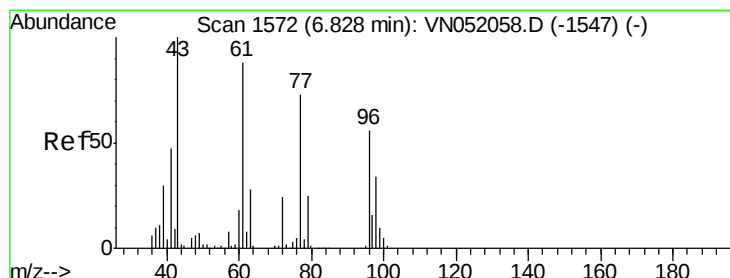
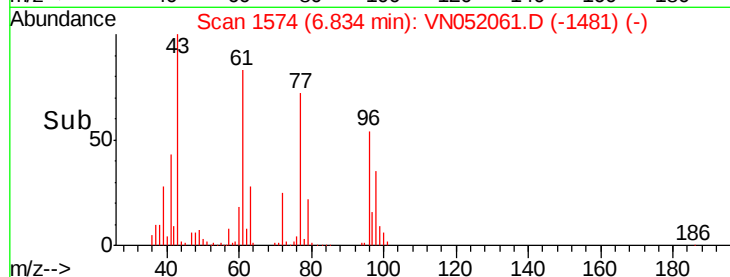
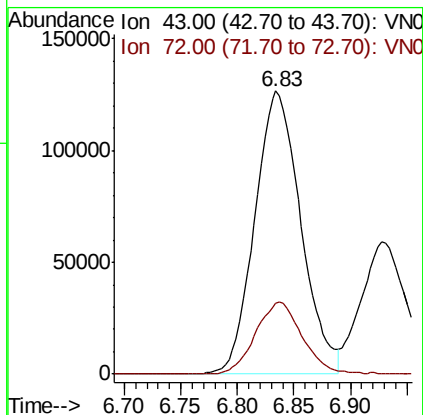
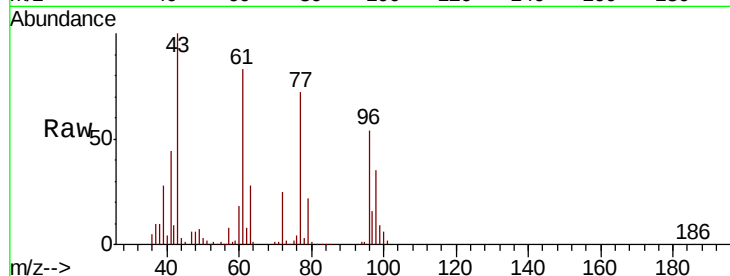
72 25.0 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 53.889 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052061.D

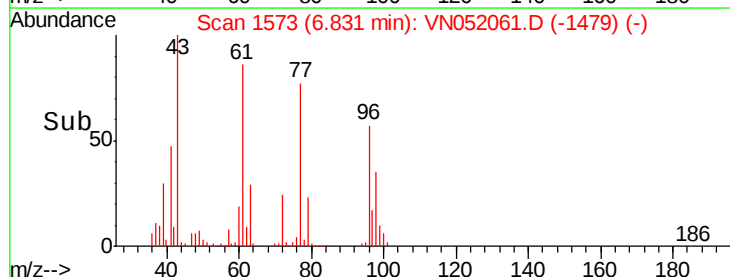
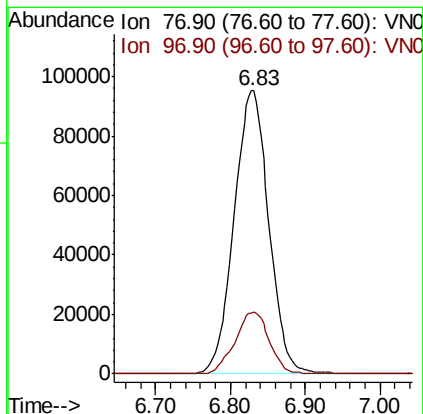
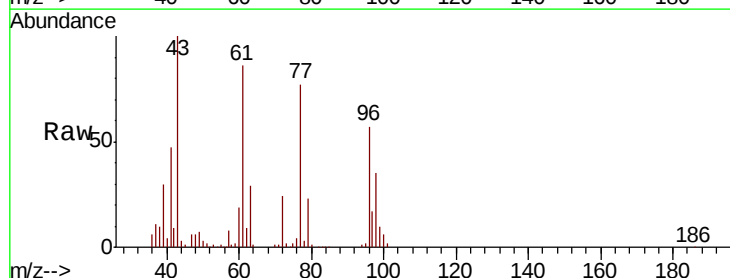
Acq: 30 Oct 2018 13:18

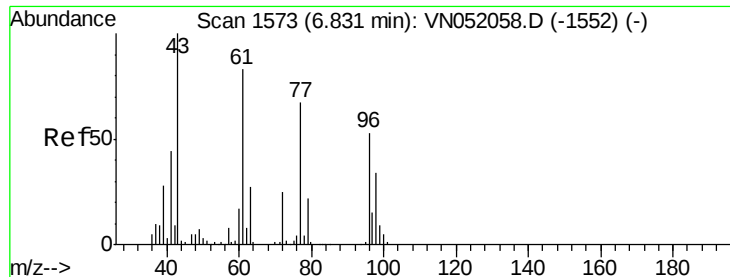
Tgt Ion: 77 Resp: 306813

Ion Ratio Lower Upper

77 100

97 21.6 10.5 31.5





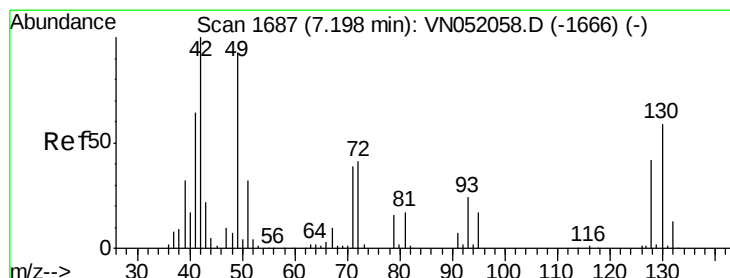
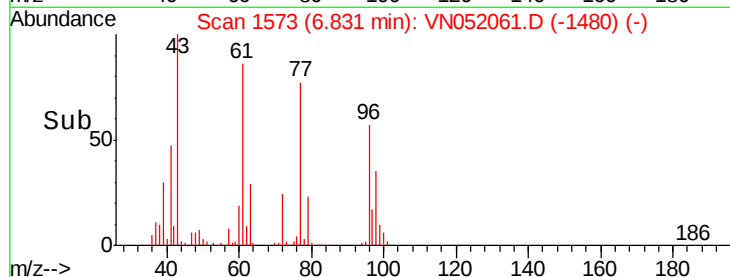
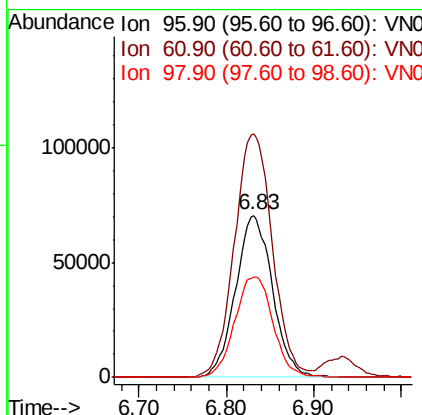
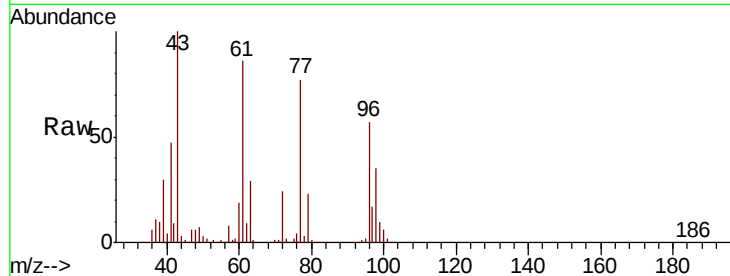
#27
 cis-1,2-Dichloroethene
 Concen: 51.266 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.4	0.0	312.8	
98	64.3	0.0	127.0	

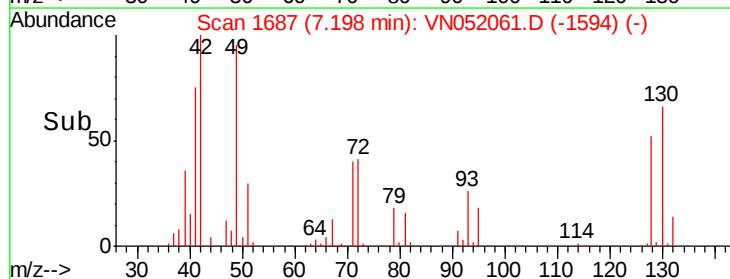
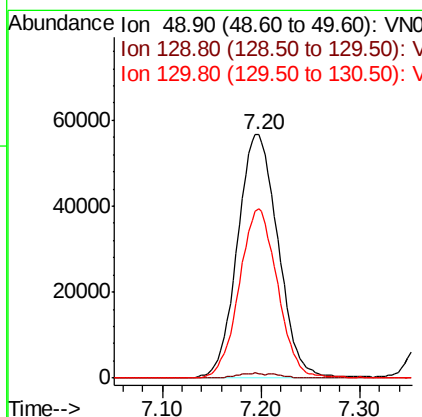
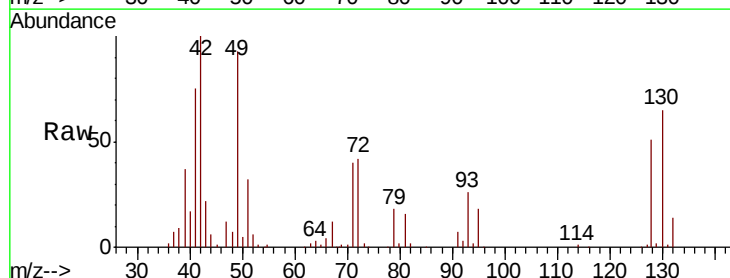
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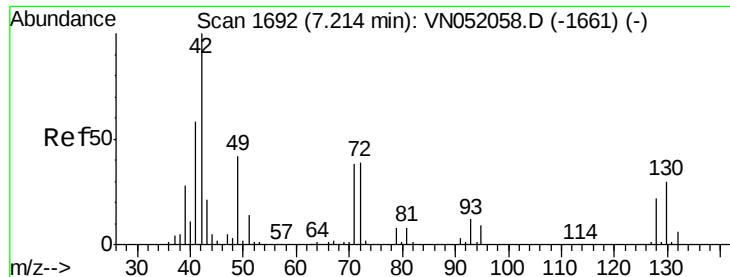
MMDadoda
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#28
 Bromochloromethane
 Concen: 45.341 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	2.4	
130	65.9	50.8	76.2	





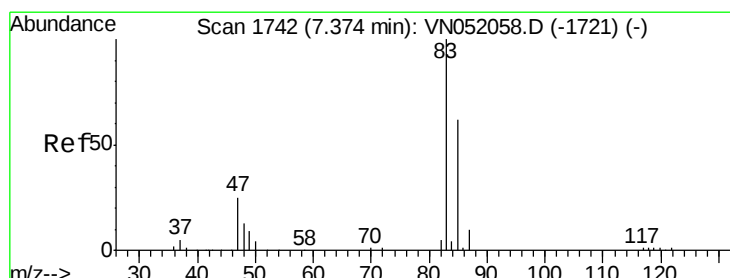
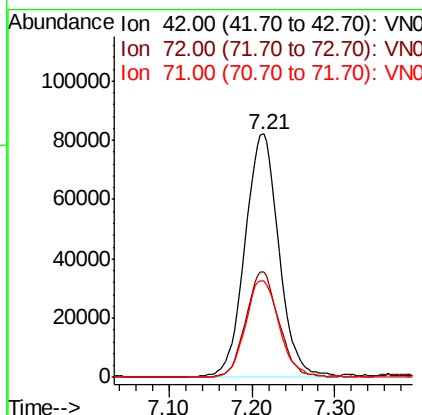
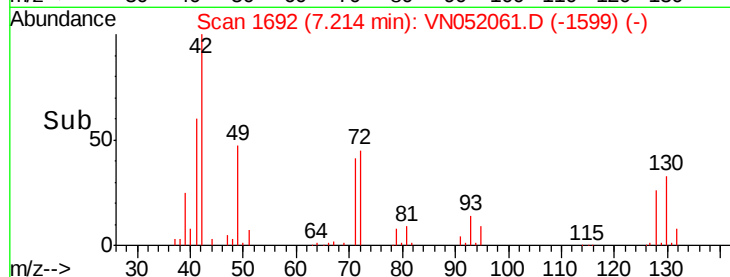
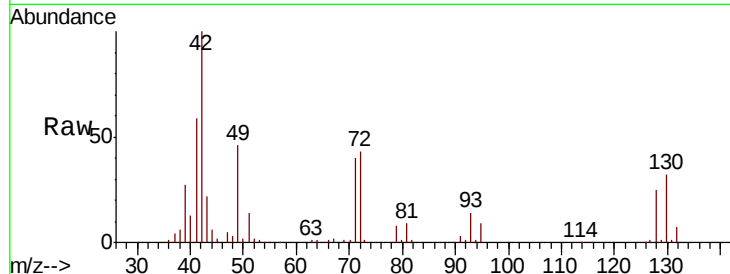
#29
Tetrahydrofuran
Concen: 231.627 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.5	48.7
71	39.5	30.6	46.0

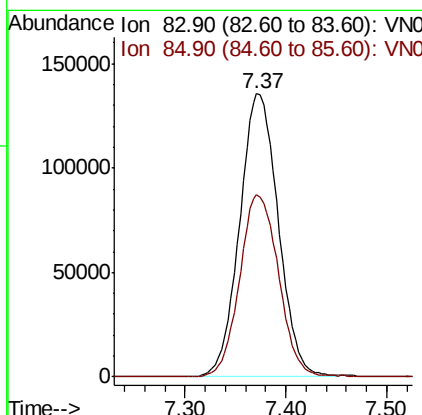
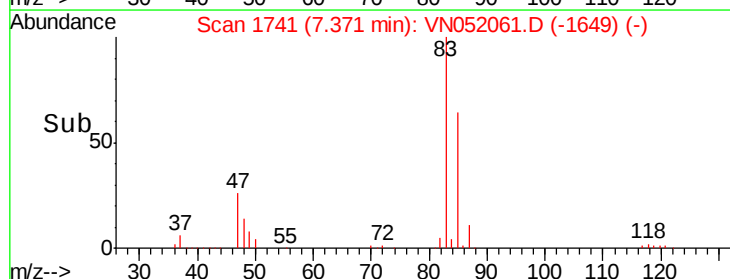
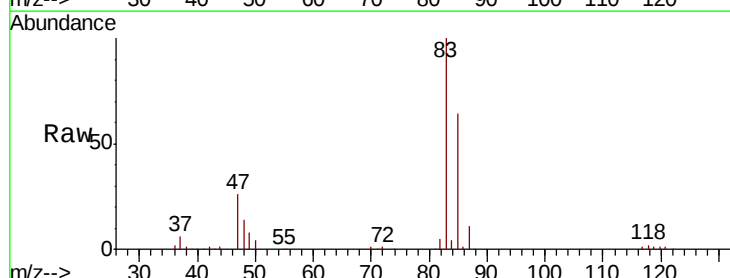
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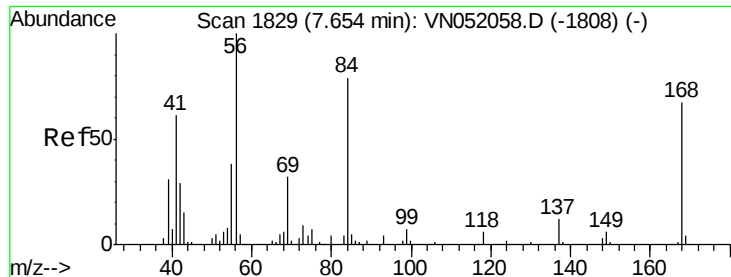
MMDadoda
11/1/2018 11:48:12 AM



#30
Chloroform
Concen: 50.391 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.6	74.4





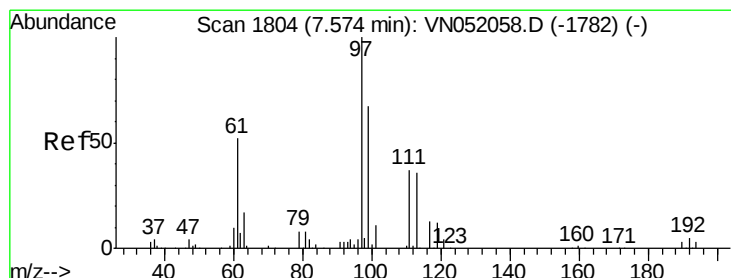
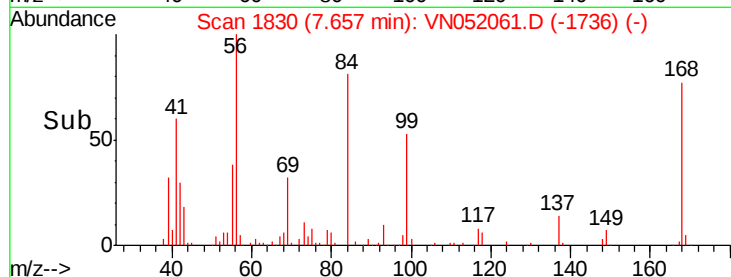
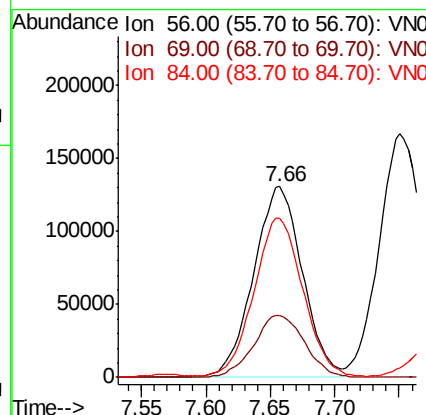
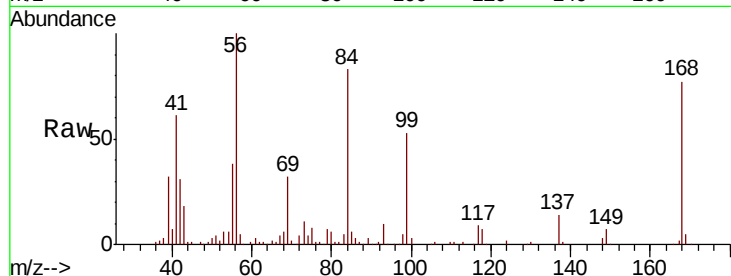
#31
Cyclohexane
Concen: 51.972 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	82.3	63.5	95.3

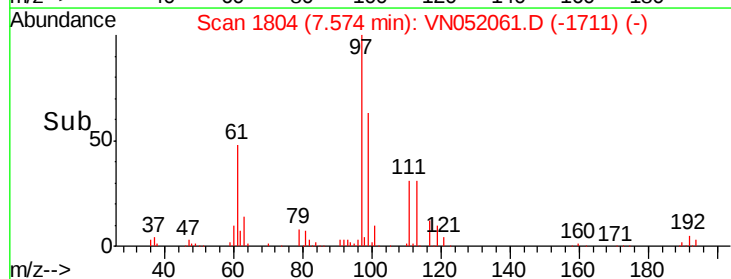
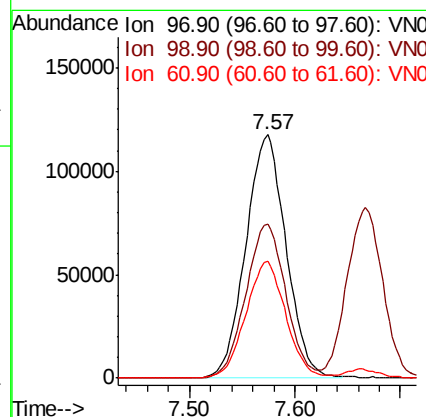
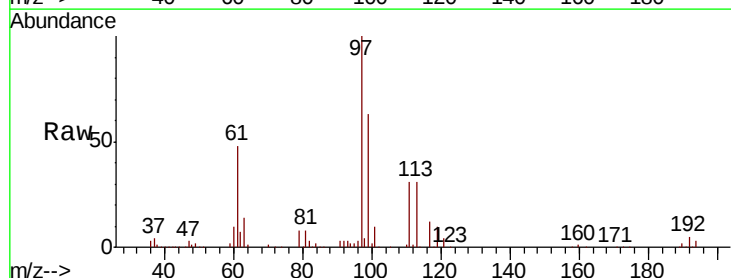
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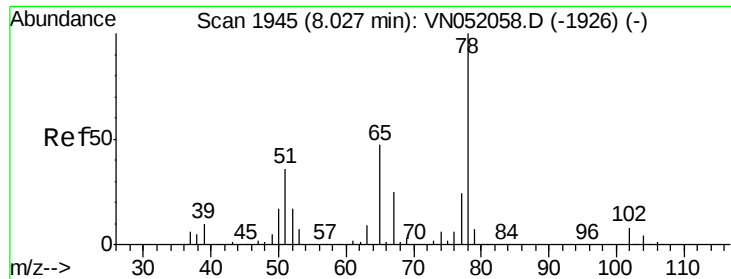
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#32
1,1,1-Trichloroethane
Concen: 54.315 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.2
61	47.6	40.3	60.5





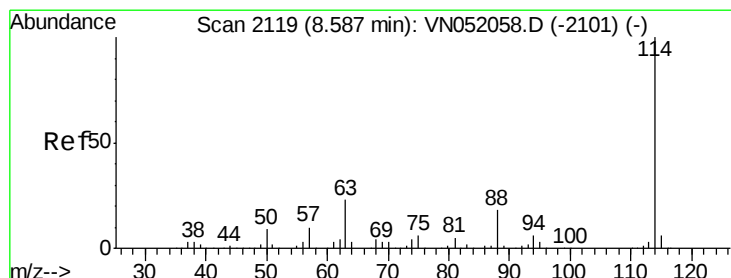
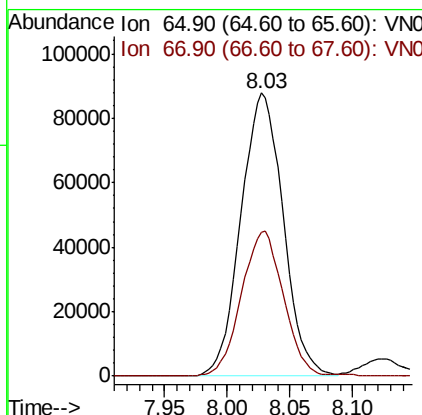
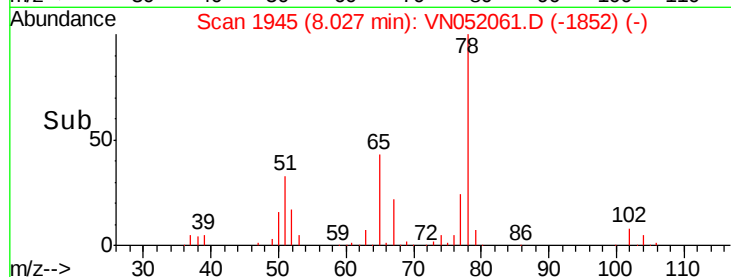
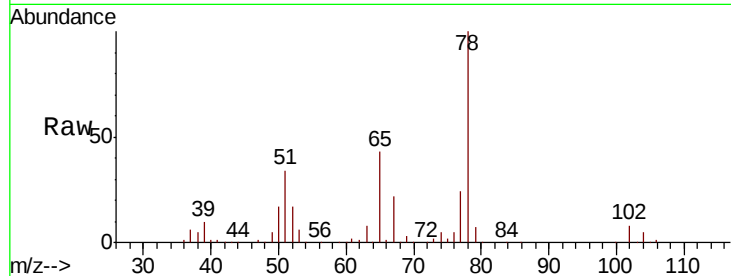
#33
 1,2-Dichloroethane-d4
 Concen: 54.315 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206186		
67	50.8	0.0	105.2	

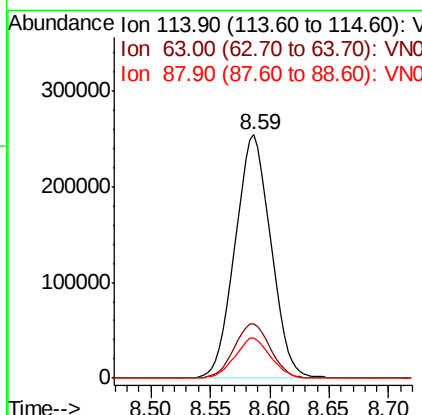
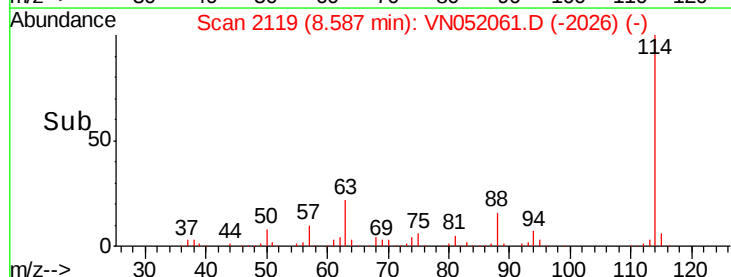
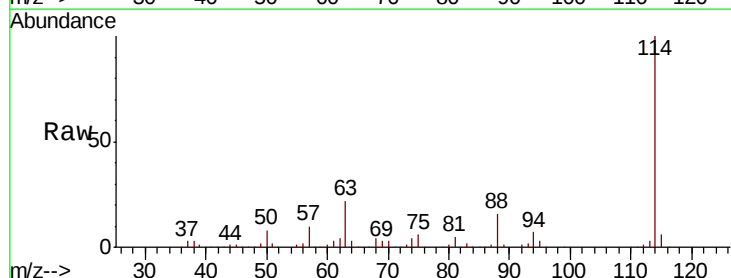
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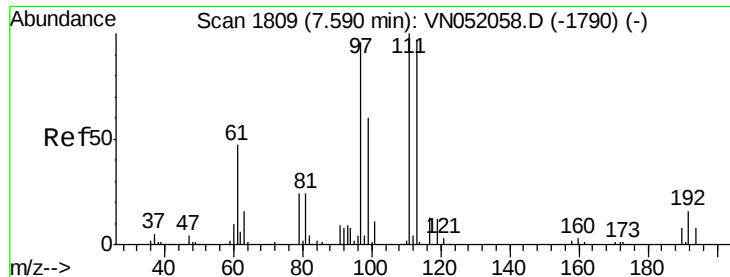
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 11/1/2018 11:48:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	530038		
63	22.3	0.0	46.0	
88	16.4	0.0	35.4	





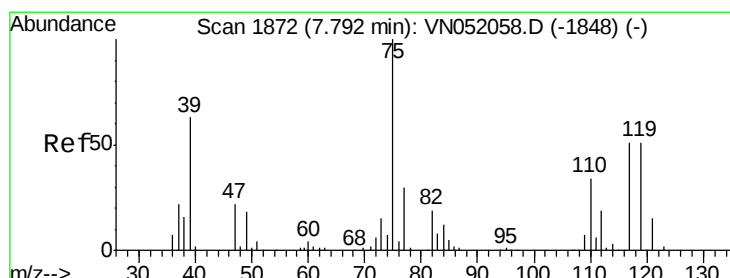
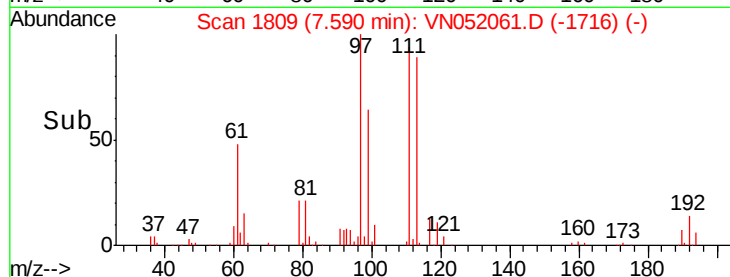
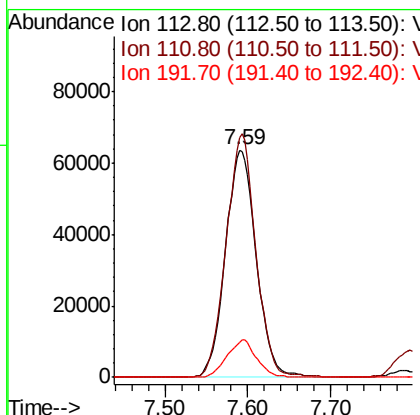
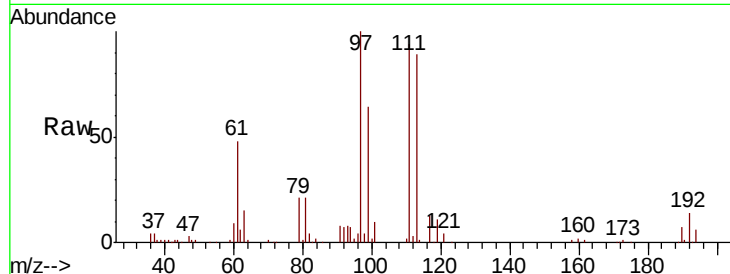
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164246		
111	103.1	83.1	124.7	
192	15.7	12.7	19.1	

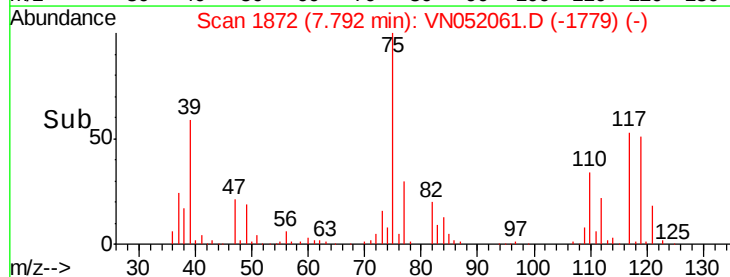
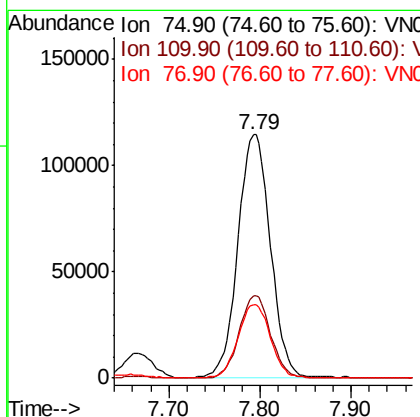
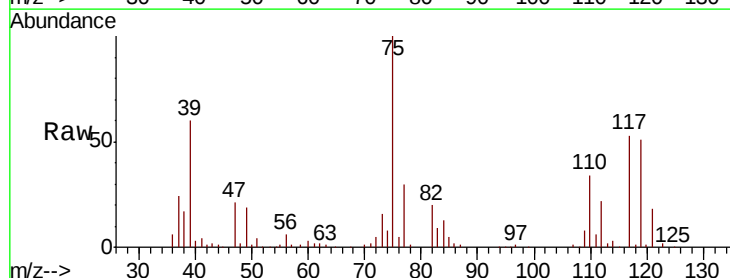
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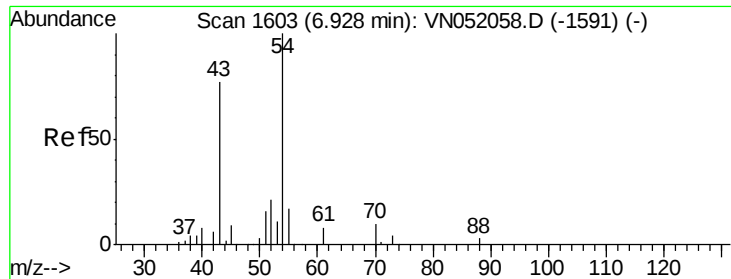
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#36
 1,1-Dichloropropene
 Concen: 52.656 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	283789		
110	32.9	16.0	48.0	
77	30.4	24.5	36.7	





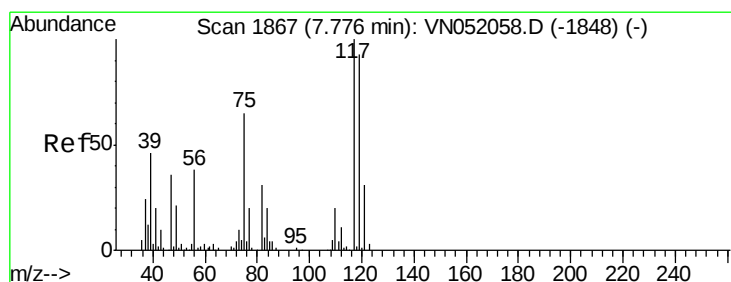
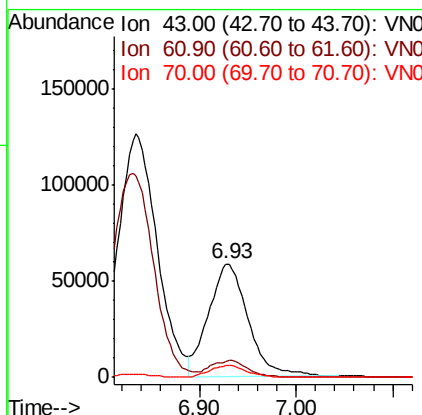
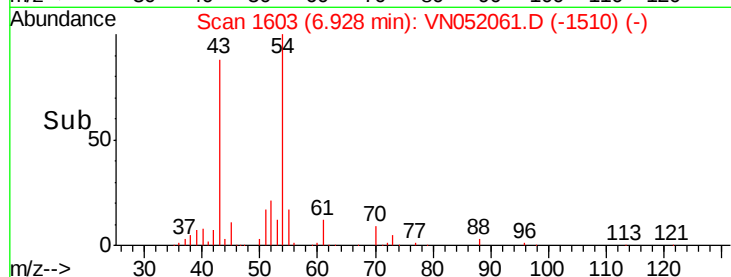
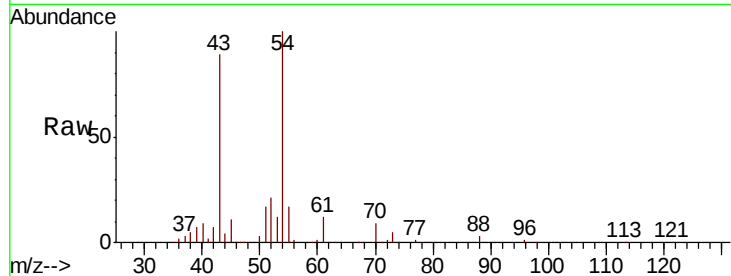
#37
Ethyl Acetate
Concen: 46.141 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
ICVVN103018

Tot Ion	43	61	70
Resp	166447		
Ratio	100	13.7	10.3
Lower		10.9	8.6
Upper		16.3	12.8

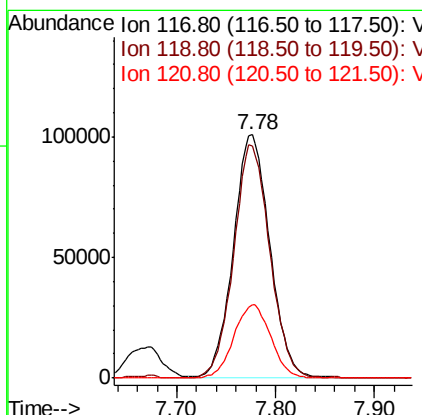
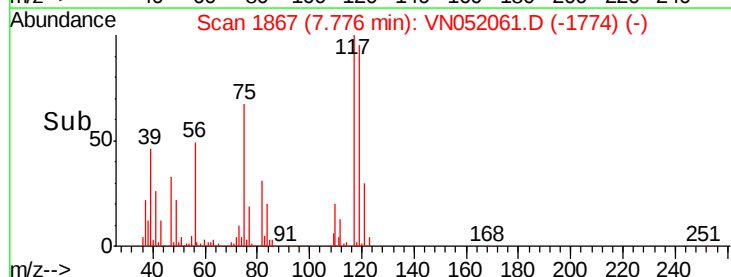
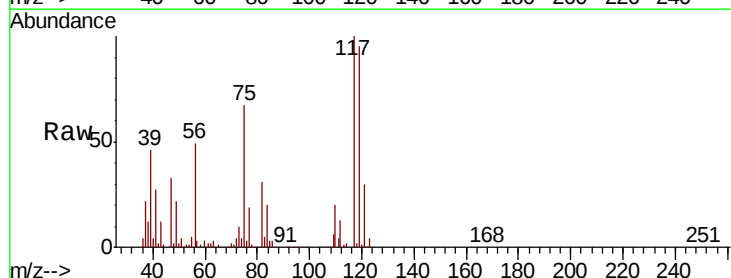
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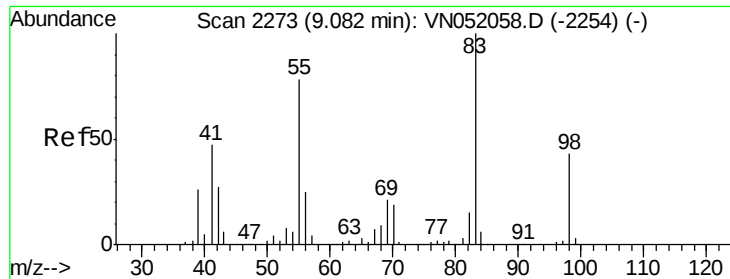
MMDadoda
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#38
Carbon Tetrachloride
Concen: 55.506 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	117	119	121
Resp	257937		
Ratio	100	95.3	30.3
Lower		74.8	25.1
Upper		112.2	37.7





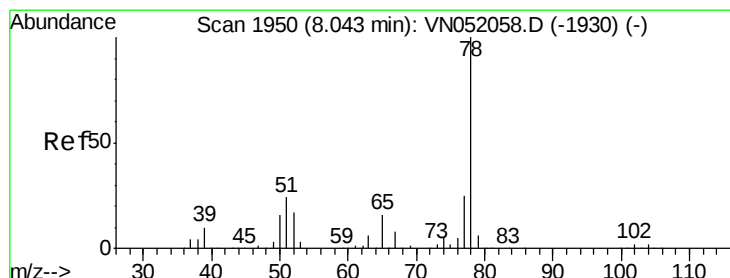
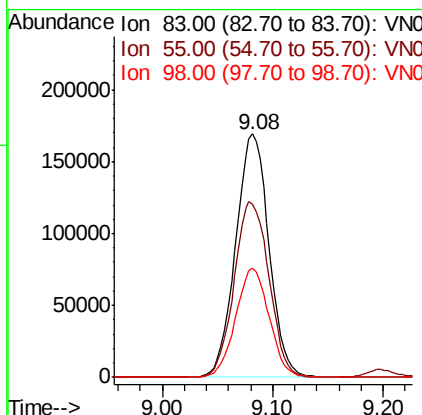
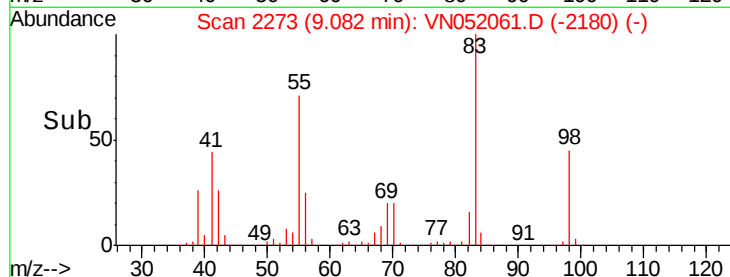
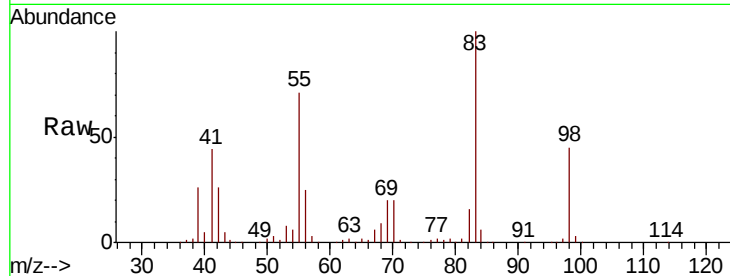
#39
Methvlcvclohexane
Concen: 55.390 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	62.0	93.0
98	45.1	34.7	52.1

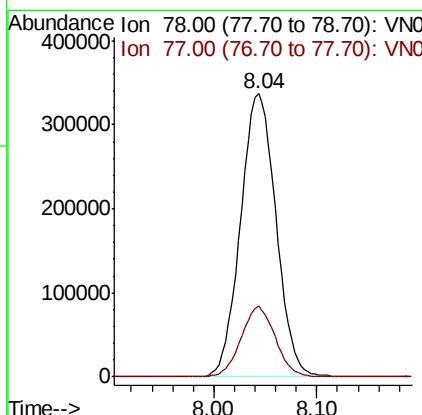
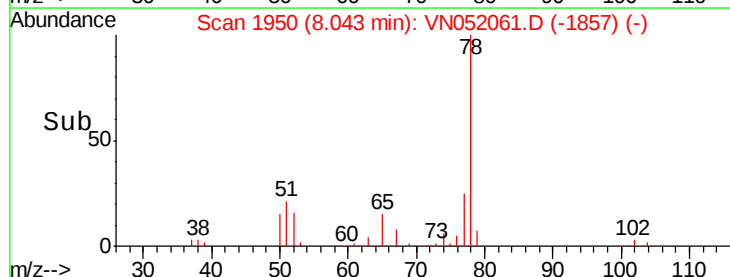
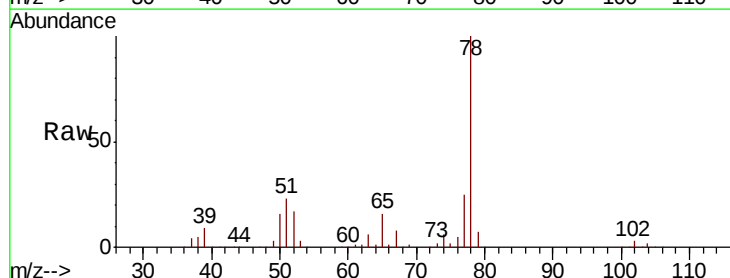
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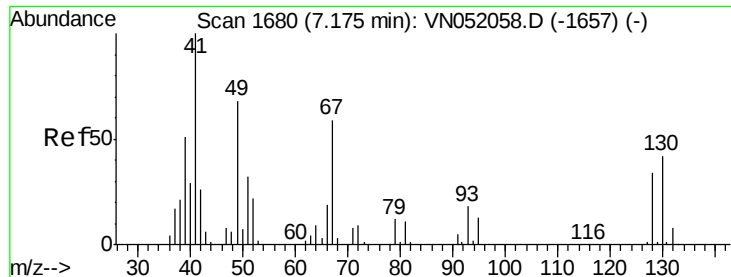
MMDadoda
11/1/2018 11:48:12 AM



#40
Benzene
Concen: 51.737 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.8	29.6





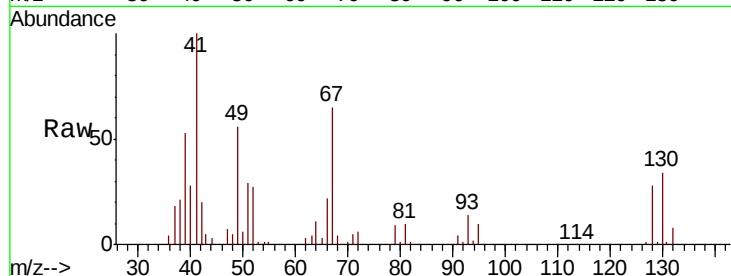
#41
Methacrylonitrile
Concen: 50.824 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

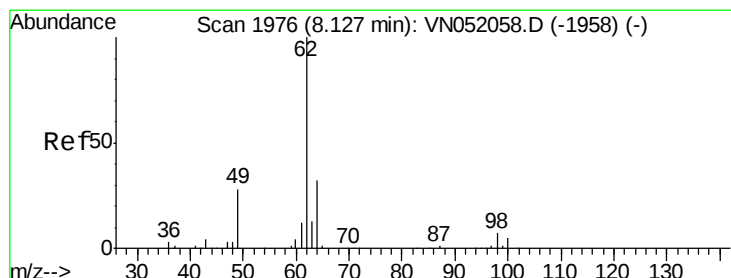
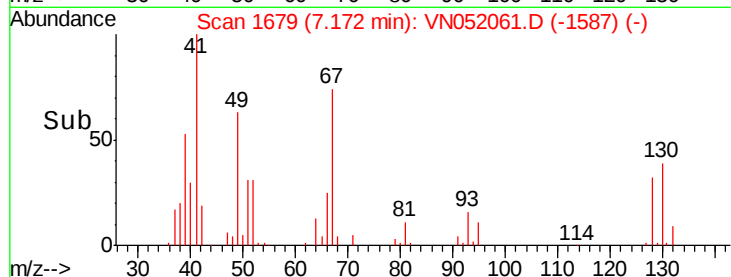
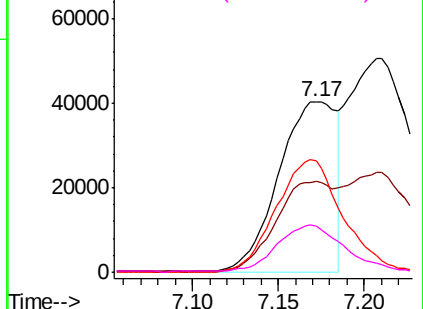
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.7	33.2	49.8
67	76.8	63.5	95.3
52	31.3	25.6	38.4

Manual Integrations
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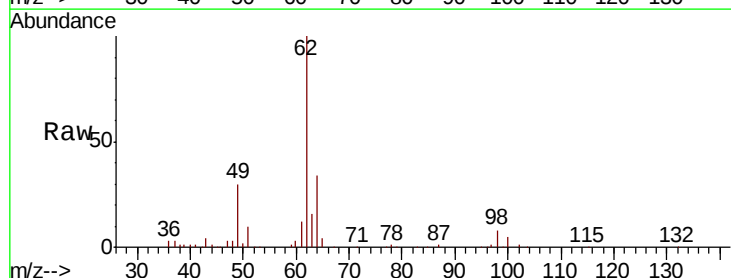


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

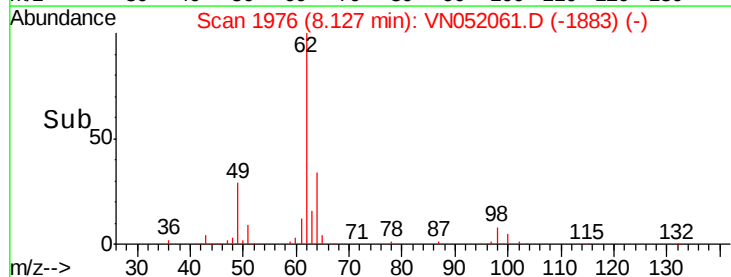
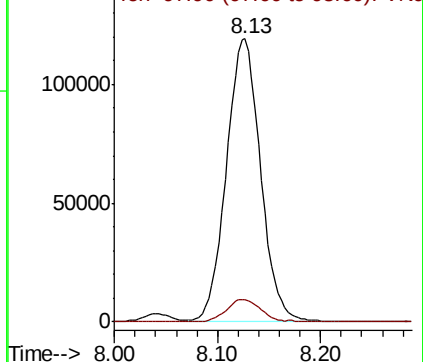


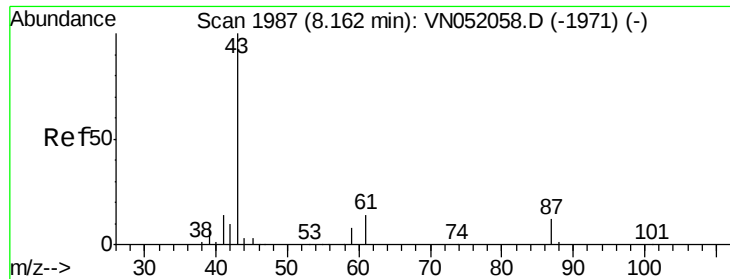
#42
1,2-Dichloroethane
Concen: 47.551 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.2



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





#43

Isopropyl Acetate

Concen: 48.215 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

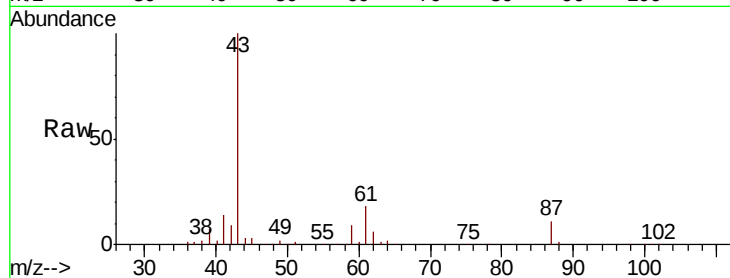
ClientSampleId :

ICV0103018

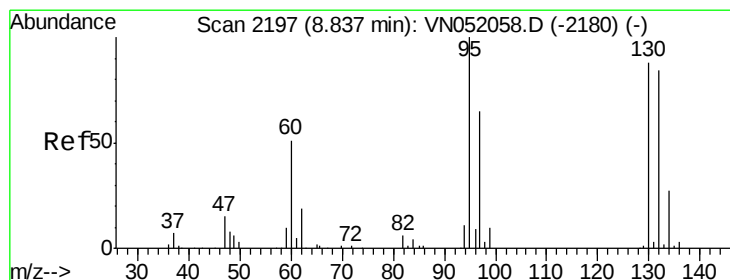
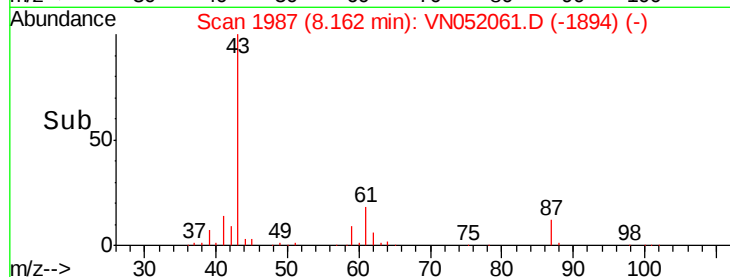
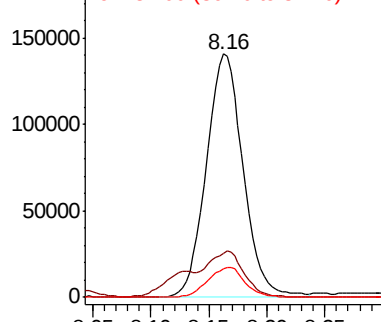
Tot Ion:	43	Resp:	309348
Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.4	23.0
87	12.3	9.8	14.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)



#44

Trichloroethene

Concen: 55.218 ug/l

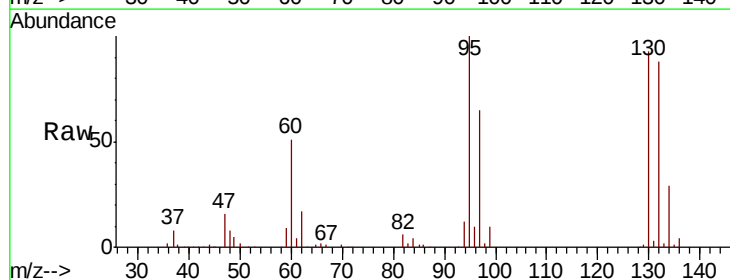
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

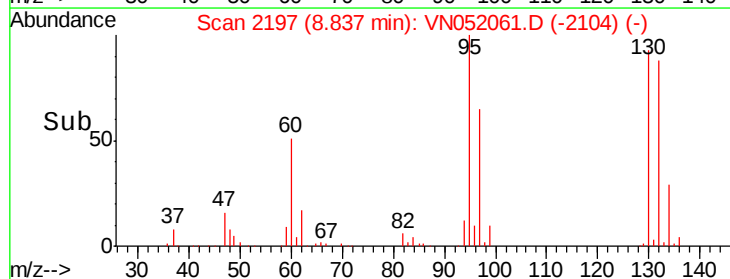
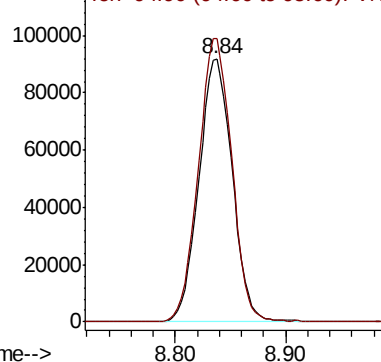
Lab File: VN052061.D

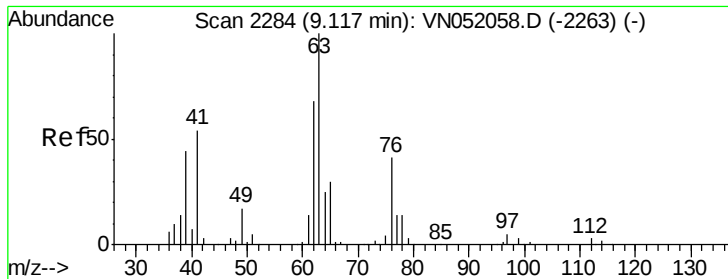
Acq: 30 Oct 2018 13:18

Tgt Ion:	130	Resp:	192503
Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 49.558 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVFN103018

Tot Ion: 63 Resp: 220074

Ion Ratio Lower Upper

63 100

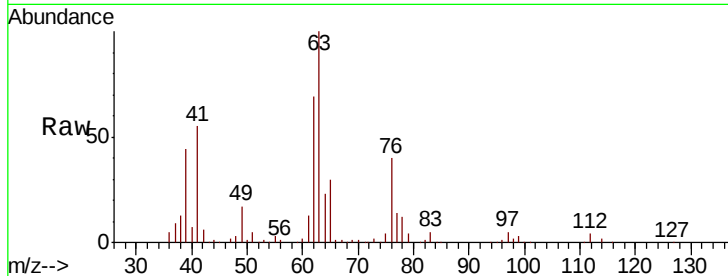
65 29.9 24.5 36.7

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

120000

100000

80000

60000

40000

20000

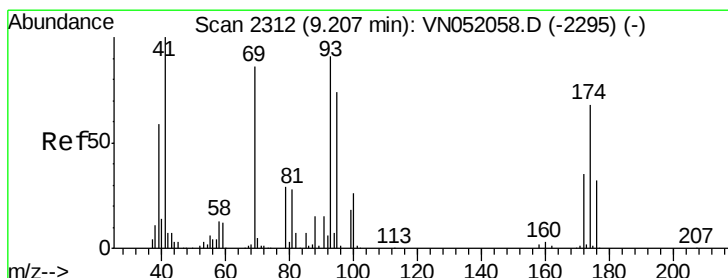
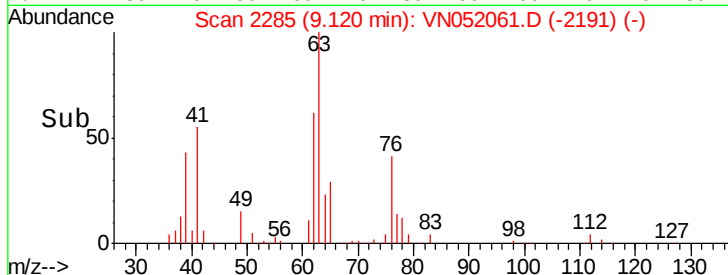
0

9.00

9.10

9.20

Time-->



#46

Dibromomethane

Concen: 51.502 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

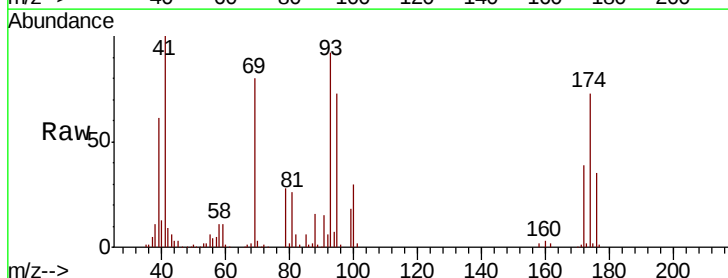
Tgt Ion: 93 Resp: 127824

Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 82.1 59.7 89.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

60000

40000

20000

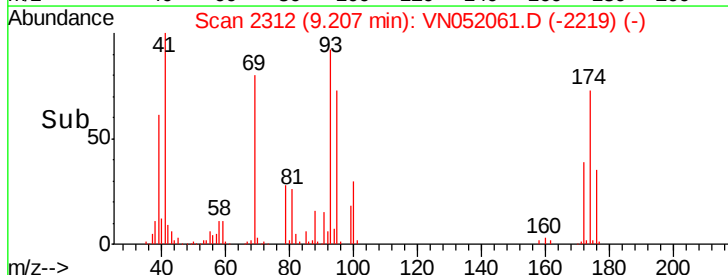
0

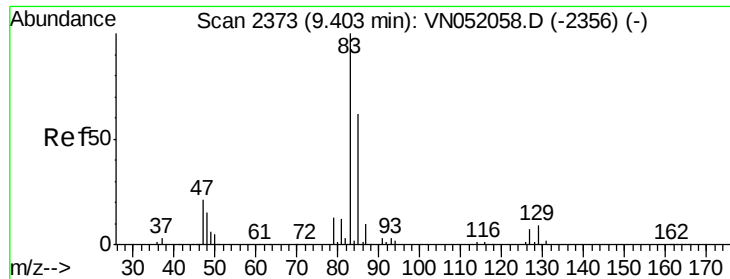
9.10

9.20

9.30

Time-->





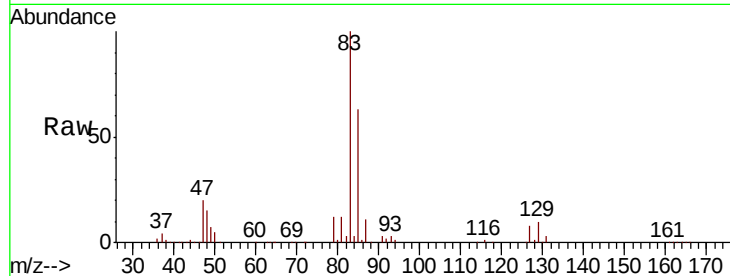
#47
Bromodichloromethane
Concen: 53.772 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	83	Resp	278344
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	49.4	74.2
127	7.6	5.8	8.8

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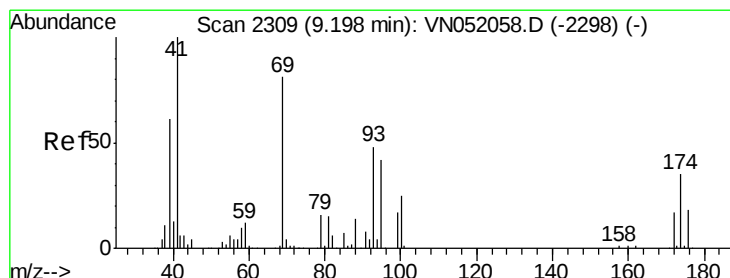
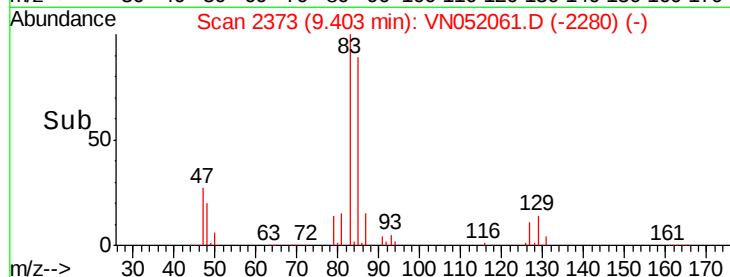
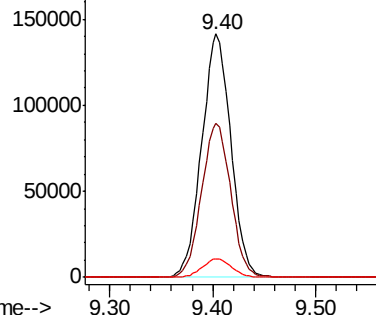
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Abundance Ion 82.90 (82.60 to 83.60): VN052061.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052061.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052061.D (-2280) (-)



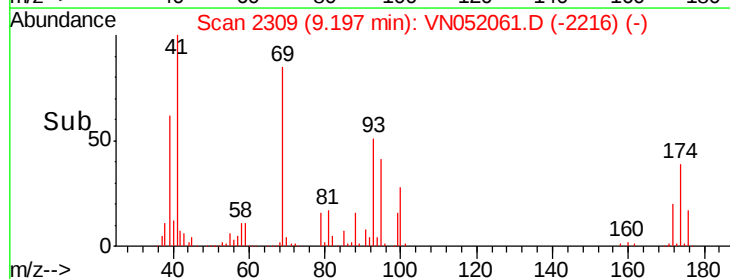
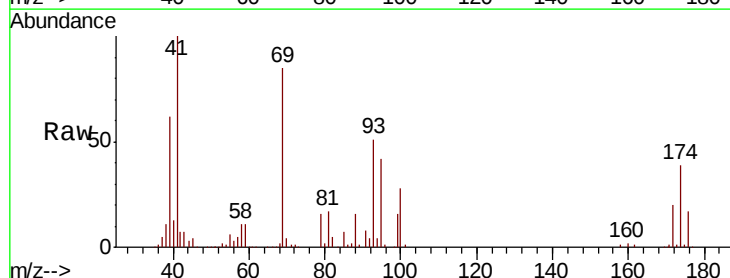
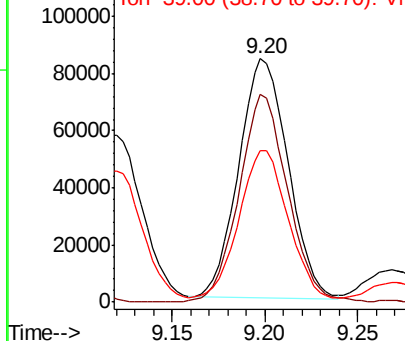
#48
Methyl methacrylate
Concen: 47.415 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

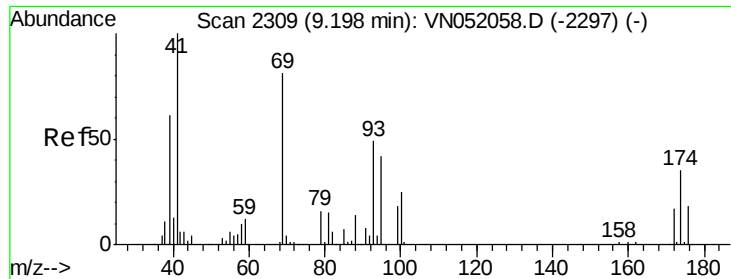
Tgt Ion	41	Resp	154237
Ion Ratio	100	Lower	Upper
41	100		
69	85.8	67.1	100.7
39	61.3	50.5	75.7

Abundance Ion 41.00 (40.70 to 41.70): VN052061.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052061.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052061.D (-2216) (-)





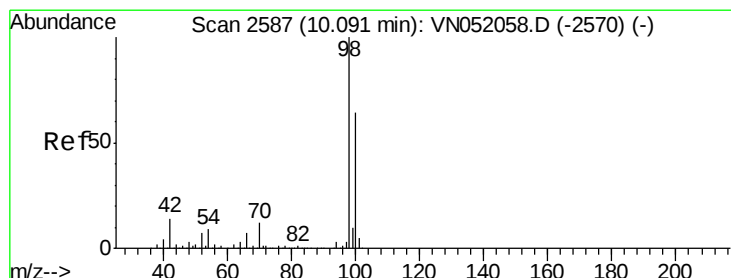
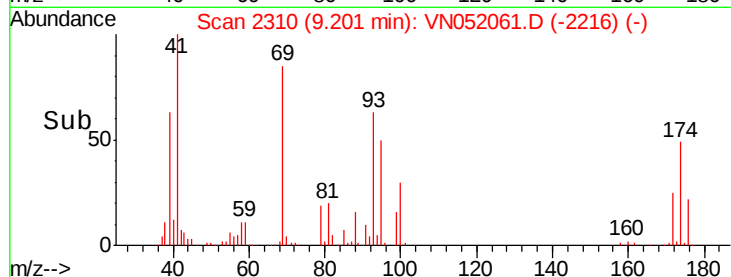
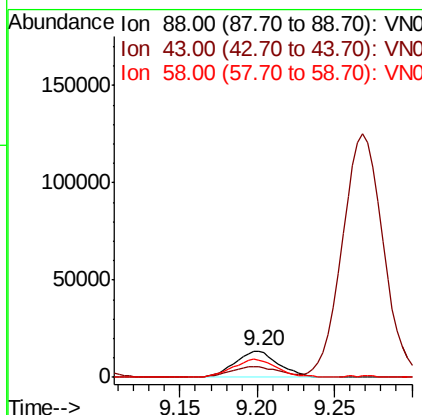
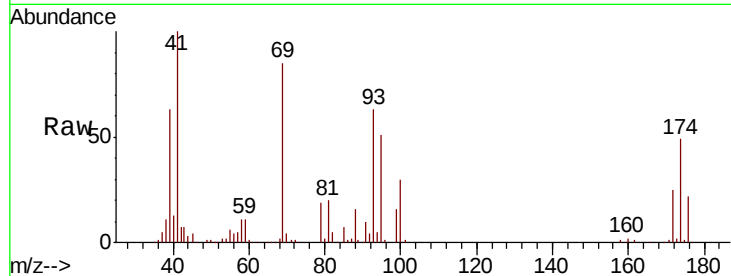
#49
1,4-Dioxane
Concen: 987.599 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	88	Resp	26929
Ion Ratio	Lower	Upper	
88	100		
43	40.0	34.1	51.1
58	69.8	62.8	94.2

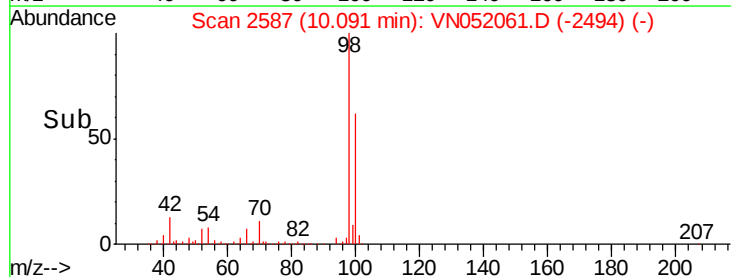
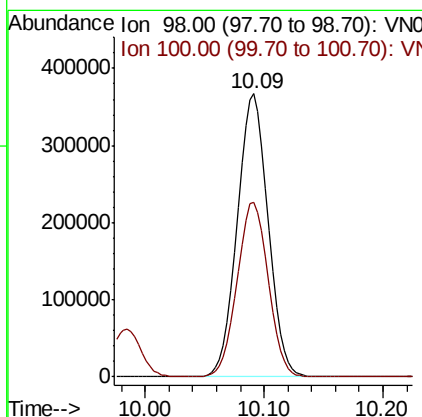
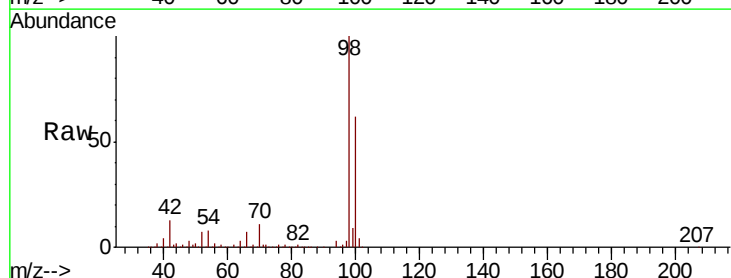
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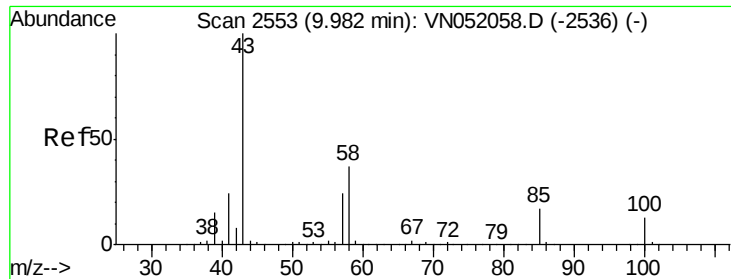
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#50
Toluene-d8
Concen: 987.599 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	98	Resp	660065
Ion Ratio	Lower	Upper	
98	100		
100	62.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 237.181 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

ICVVN103018

Tot Ion: 43 Resp: 827123

Ion Ratio Lower Upper

43 100

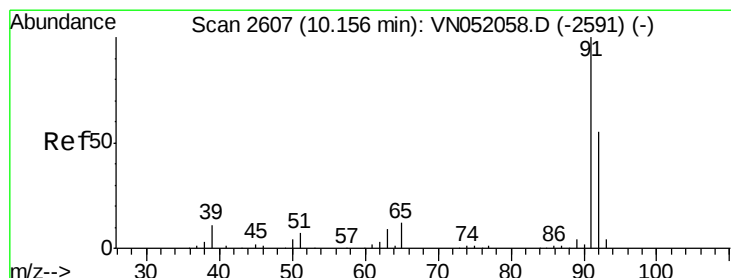
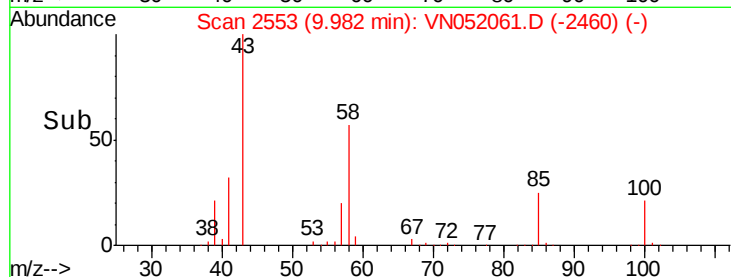
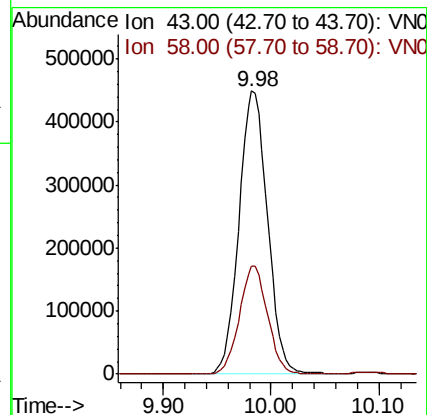
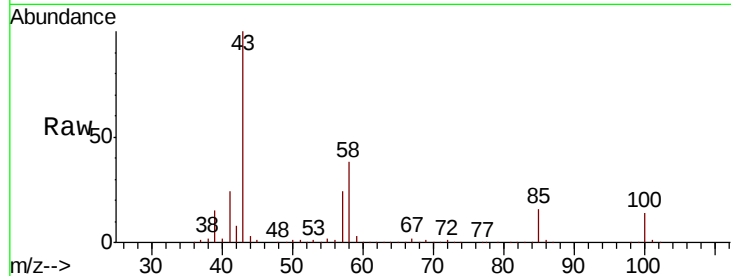
58 37.9 29.7 44.5

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#52

Toluene

Concen: 53.403 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052061.D

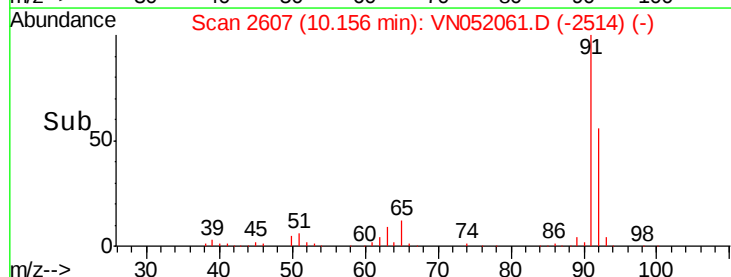
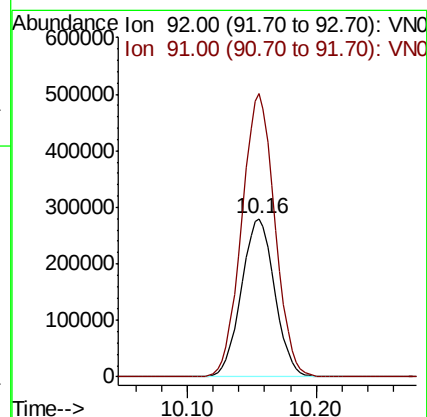
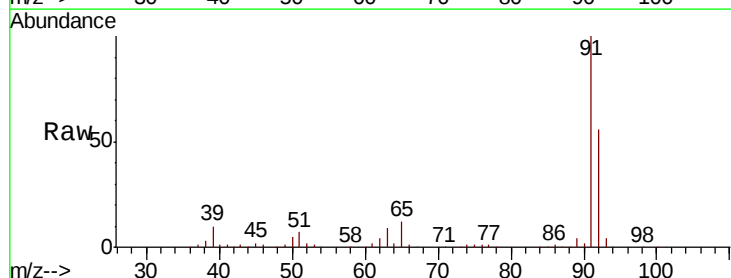
Acq: 30 Oct 2018 13:18

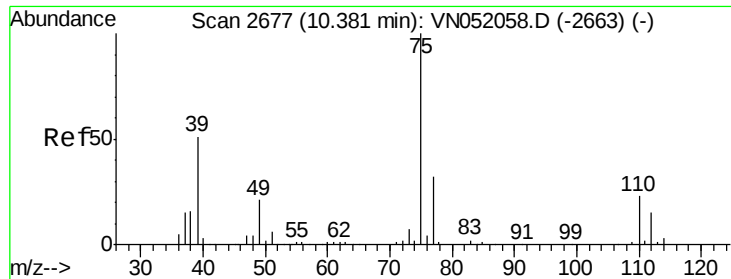
Tgt Ion: 92 Resp: 502544

Ion Ratio Lower Upper

92 100

91 178.0 143.9 215.9





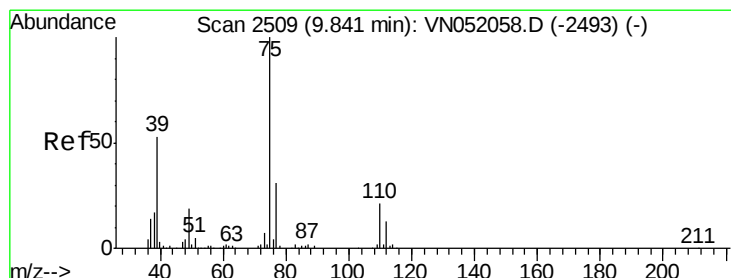
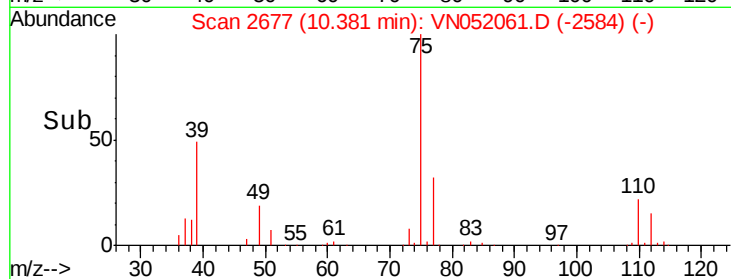
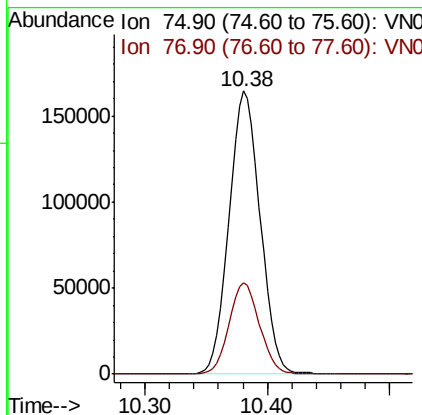
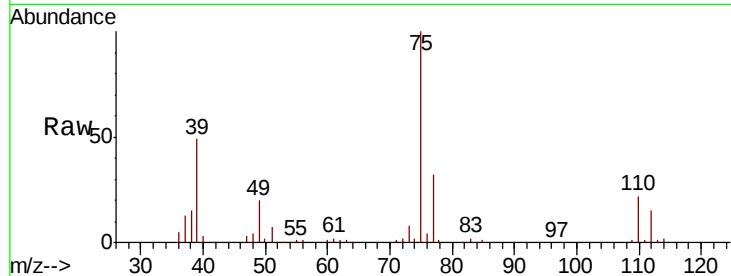
#53
t-1,3-Dichloropropene
Concen: 53.491 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4

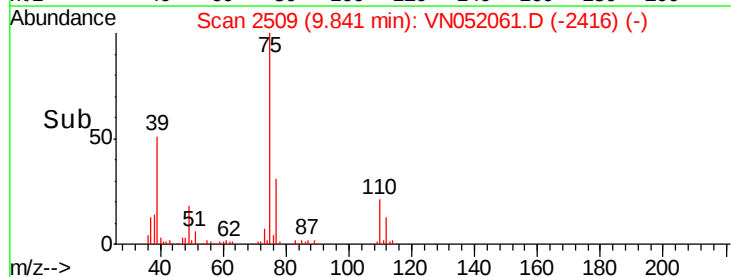
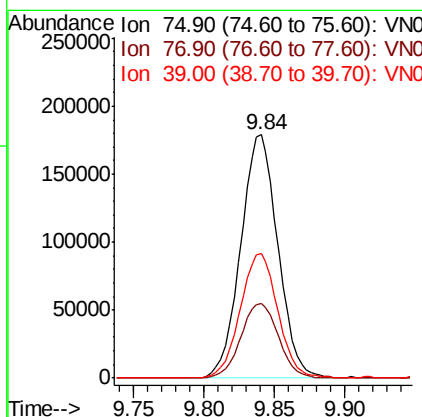
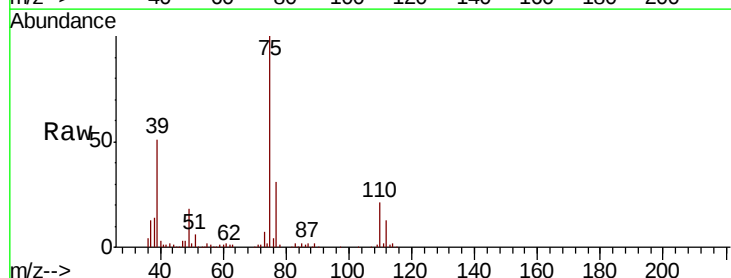
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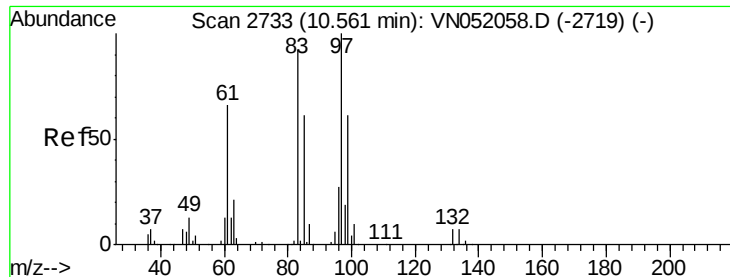
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#54
cis-1,3-Dichloropropene
Concen: 54.277 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4
39	51.0	42.3	63.5





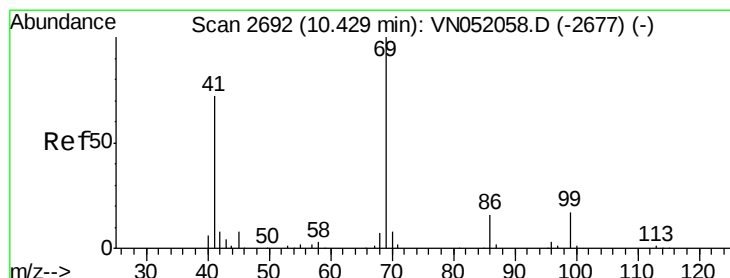
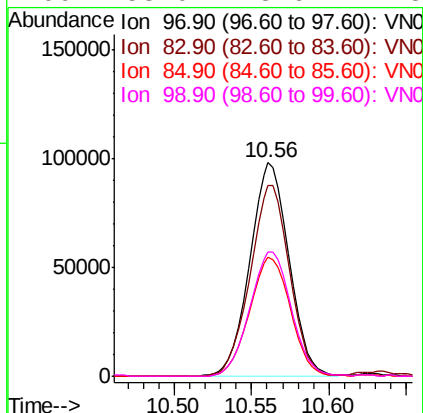
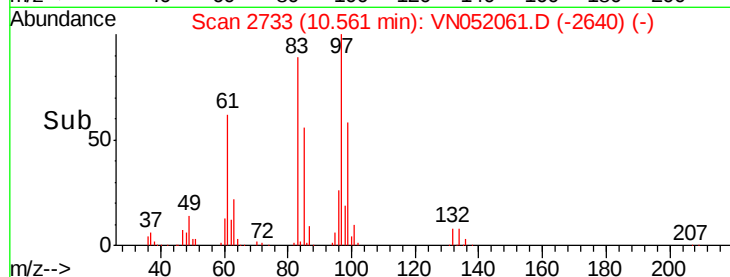
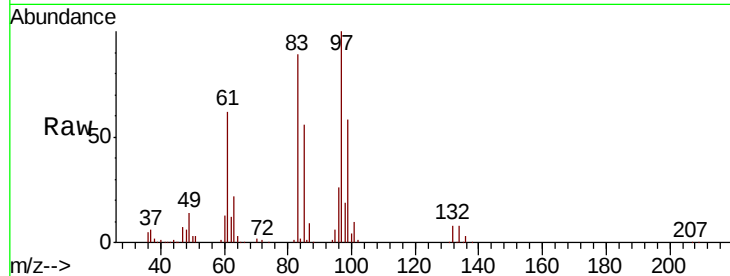
#55
 1,1,2-Trichloroethane
 Concen: 51.529 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion:	97	Resp:	172707
Ion	Ratio	Lower	Upper
97	100		
83	89.4	73.8	110.8
85	55.7	48.4	72.6
99	58.0	48.6	72.8

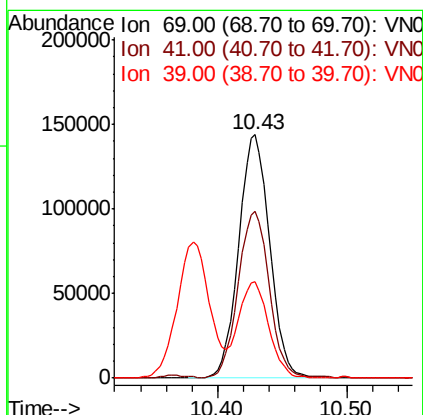
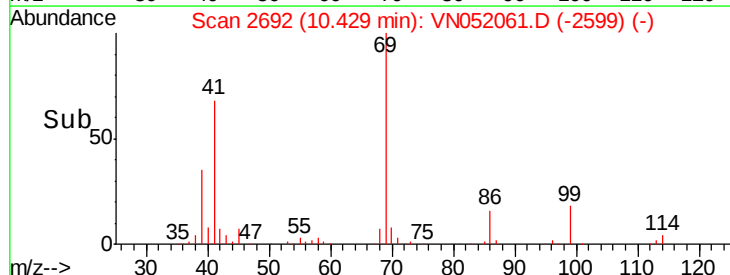
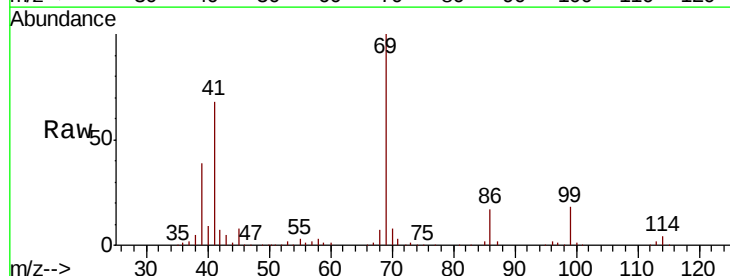
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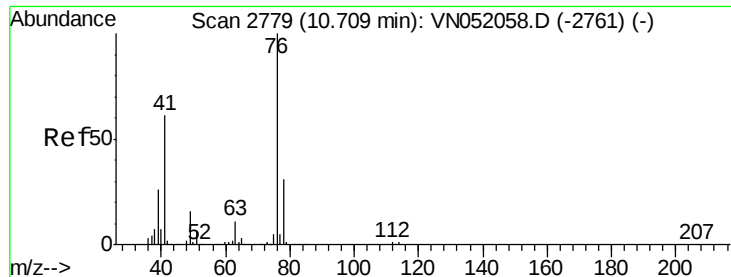
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#56
 Ethyl methacrylate
 Concen: 50.384 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion:	69	Resp:	241558
Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.5	83.3
39	38.3	33.0	49.4





#57

1,3-Dichloropropane

Concen: 50.117 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN103018

Tot Ion: 76 Resp: 309075

Ion Ratio Lower Upper

76 100

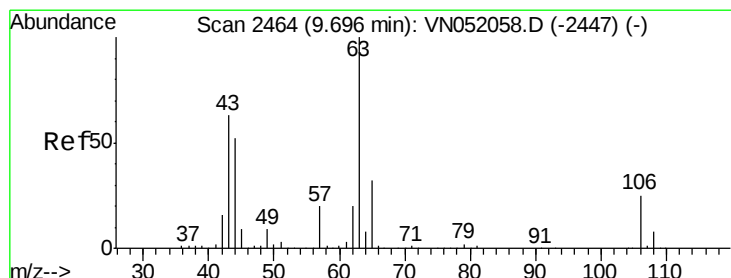
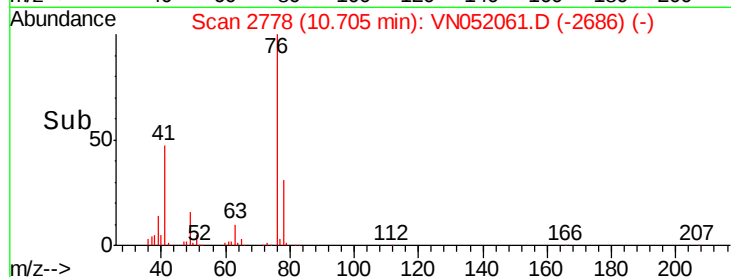
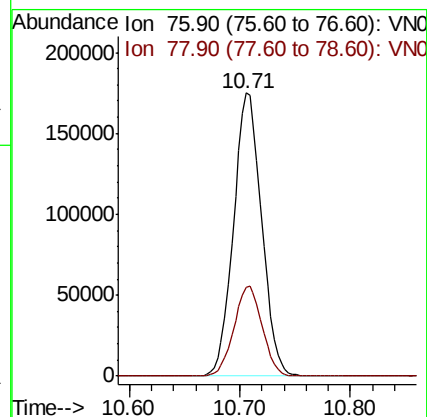
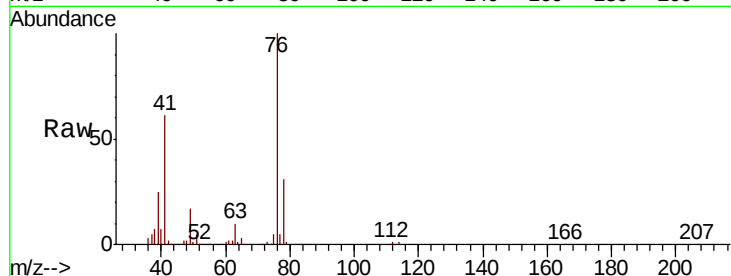
78 32.0 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 254.091 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052061.D

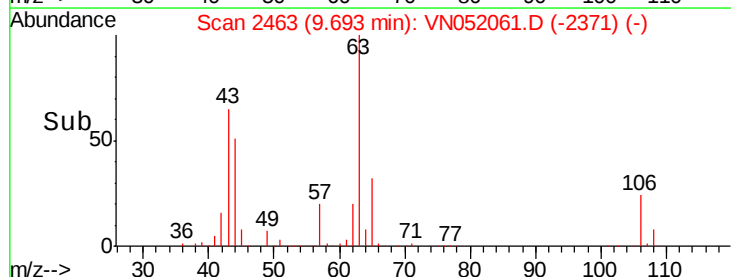
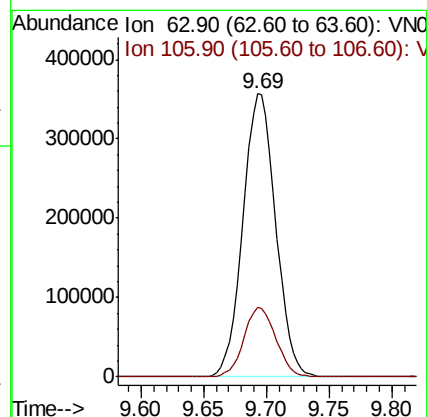
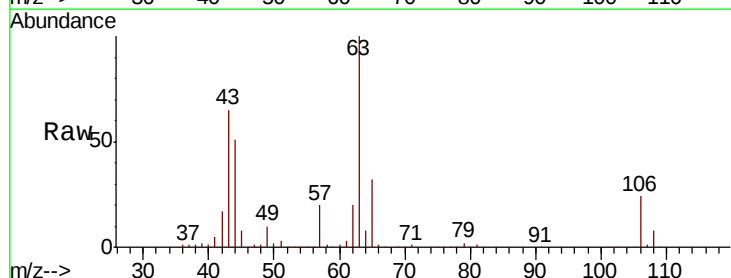
Acq: 30 Oct 2018 13:18

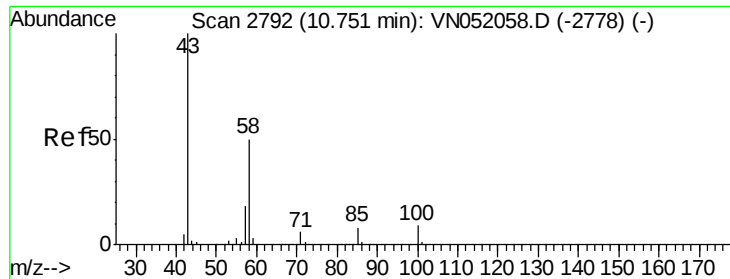
Tgt Ion: 63 Resp: 647980

Ion Ratio Lower Upper

63 100

106 24.2 19.4 29.2





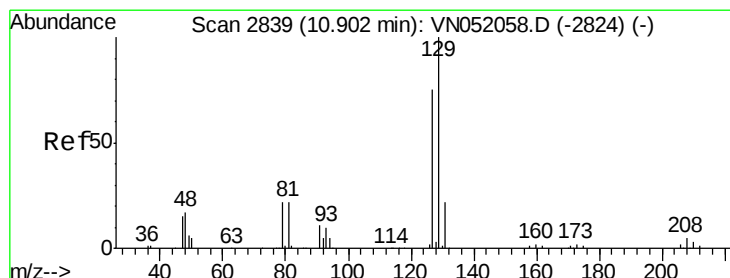
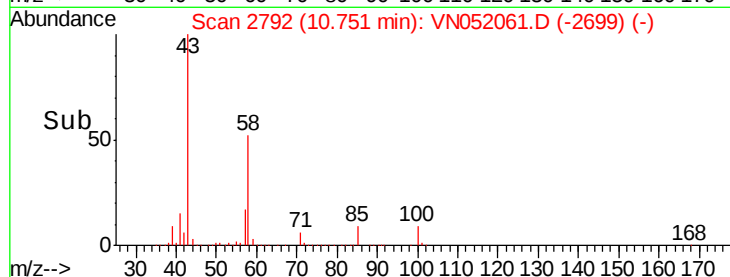
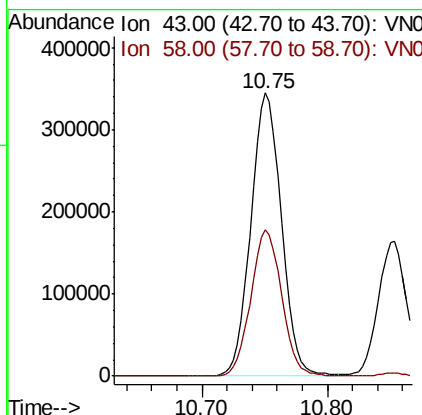
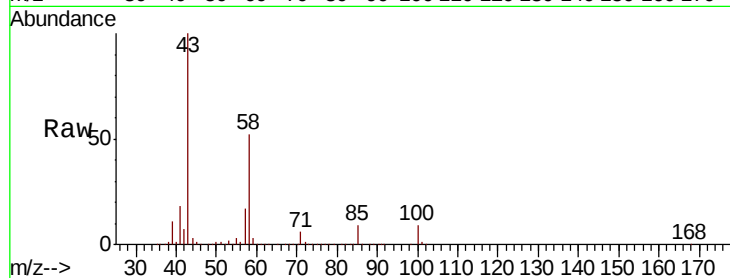
#59
2-Hexanone
Concen: 235.902 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion: 43 Resp: 586246
Ion Ratio Lower Upper
43 100
58 52.2 25.2 75.6

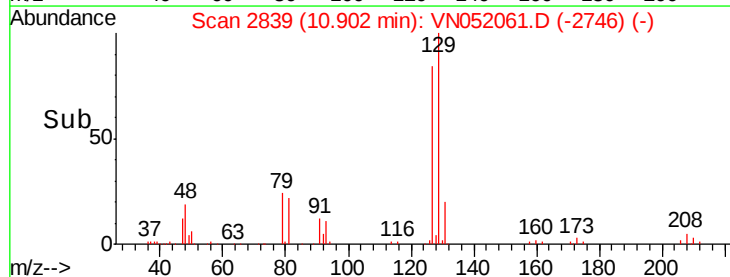
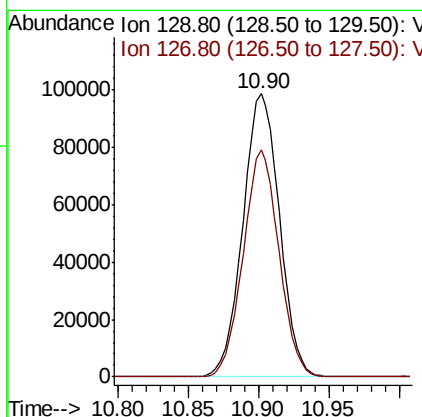
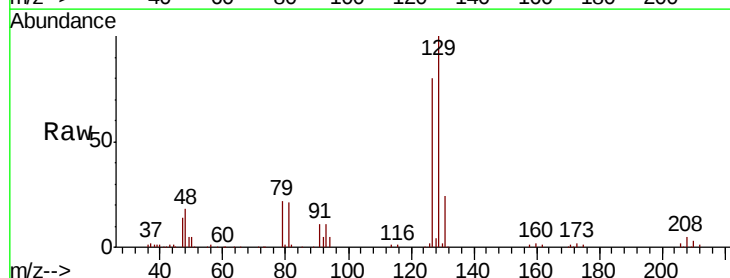
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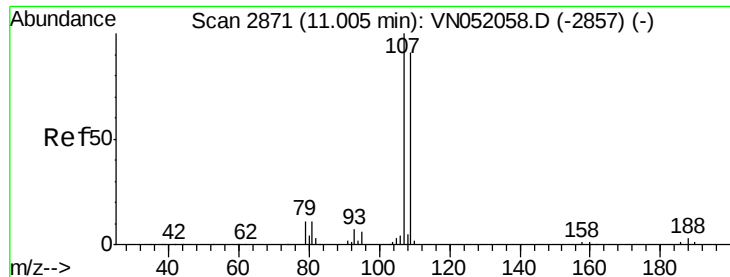
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#60
Dibromochloromethane
Concen: 54.473 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion: 129 Resp: 179739
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





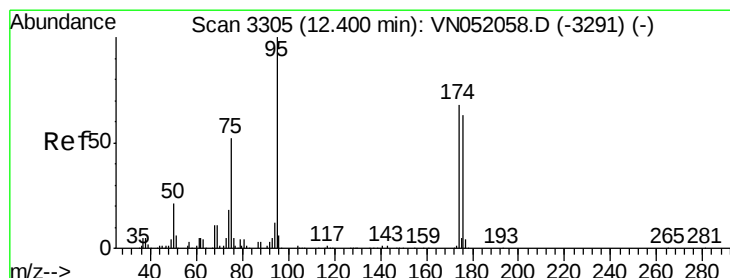
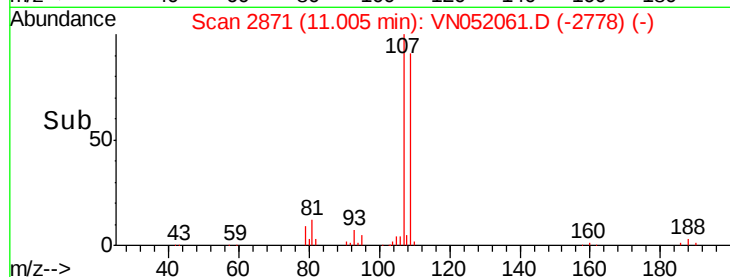
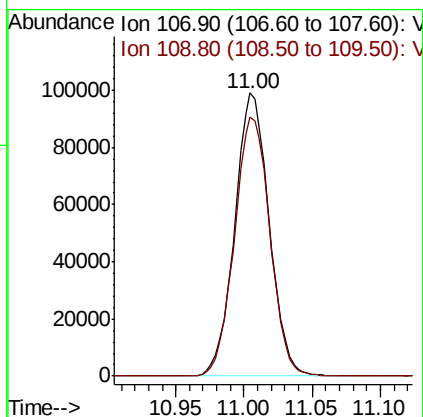
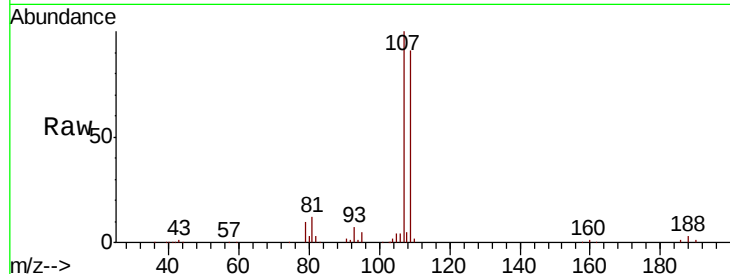
#61
 1,2-Dibromoethane
 Concen: 51.960 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.1	112.7

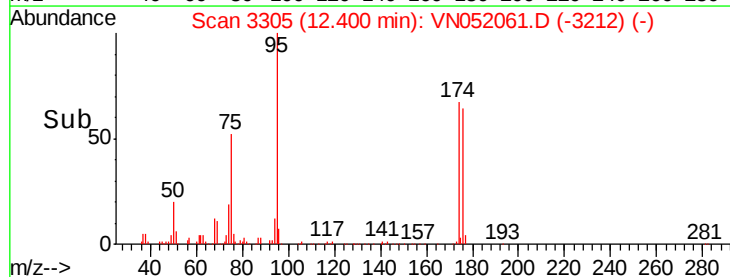
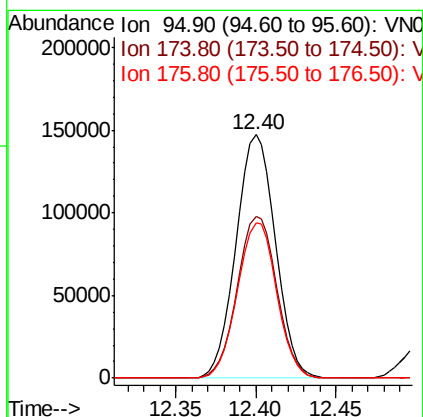
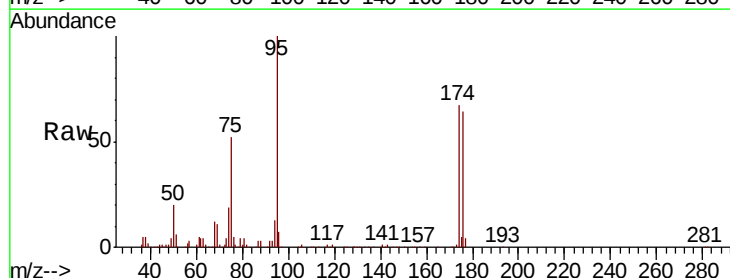
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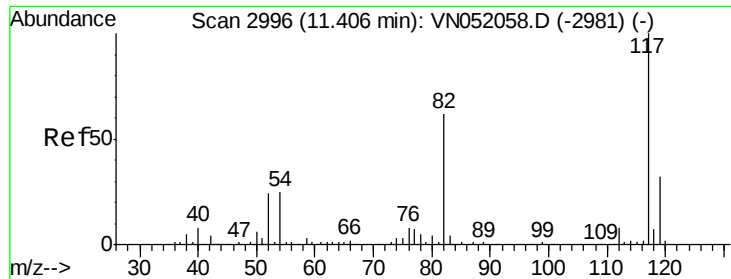
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#62
 4-Bromofluorobenzene
 Concen: 51.960 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.8	0.0	131.8
176	63.5	0.0	126.0





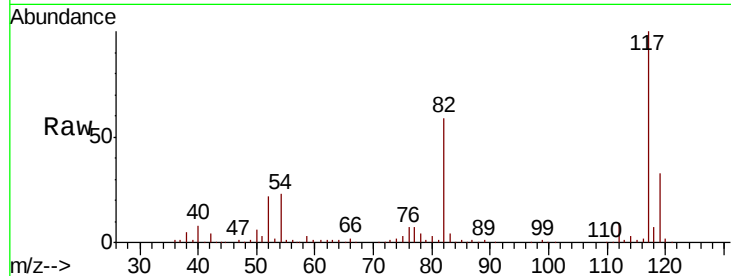
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	49.9	74.9
119	32.7	25.7	38.5

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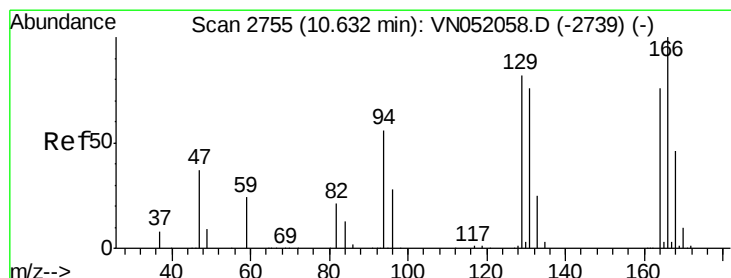
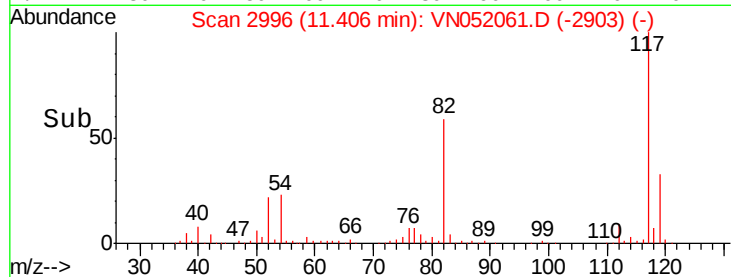
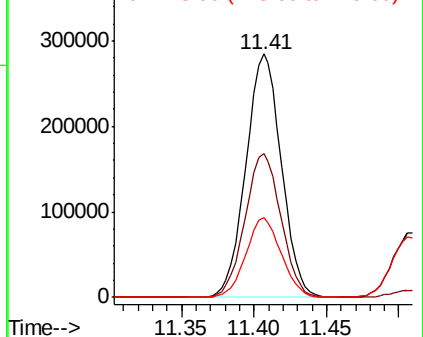


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.027 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	105.4	158.0
129	111.1	86.1	129.1
131	106.7	80.3	120.5

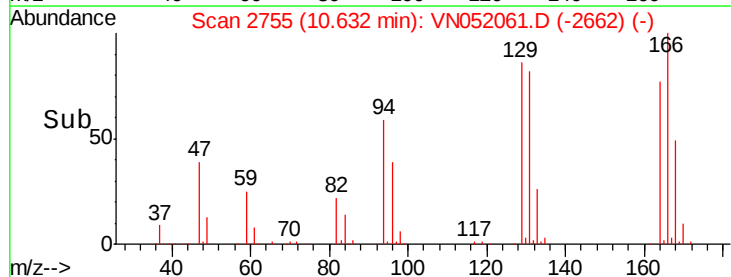
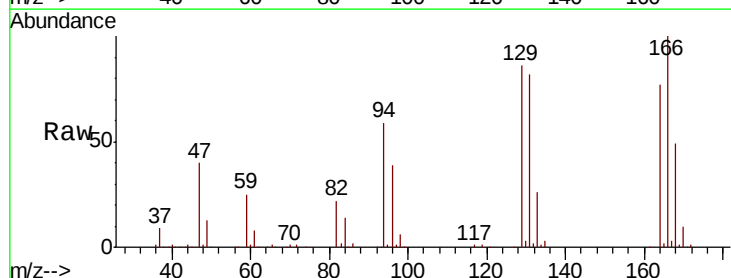
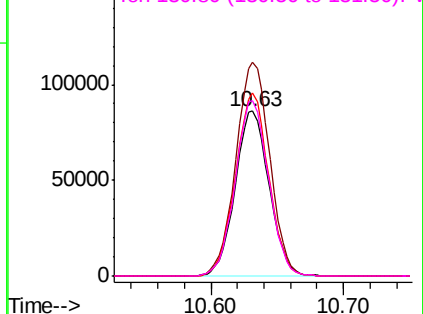
Abundance

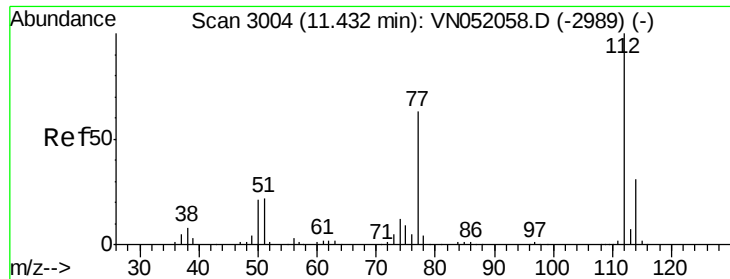
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





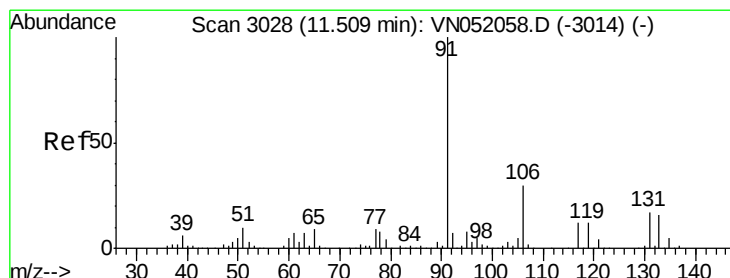
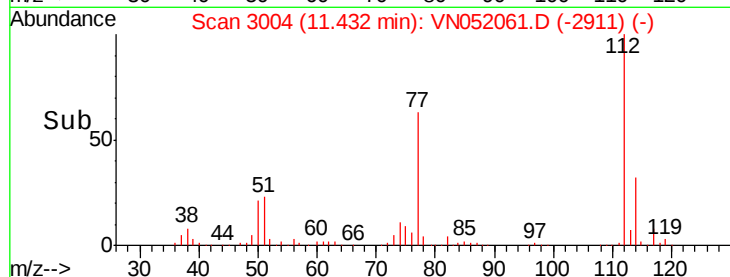
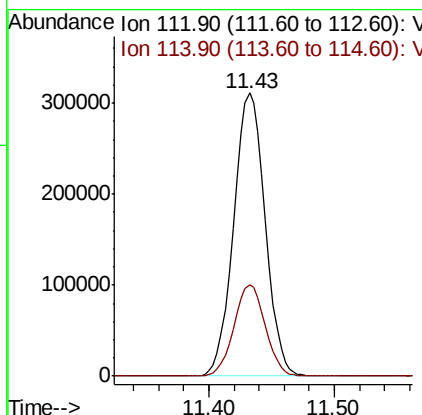
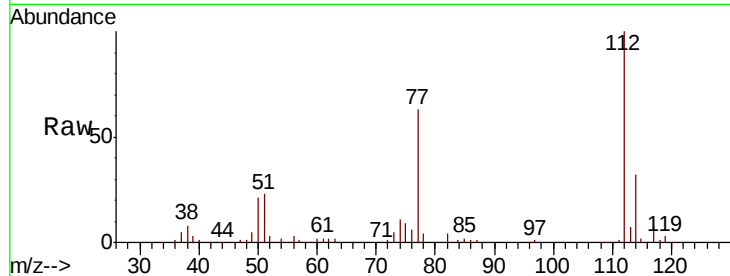
#65
Chlorobenzene
Concen: 52.995 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion:112 Resp: 541385
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7

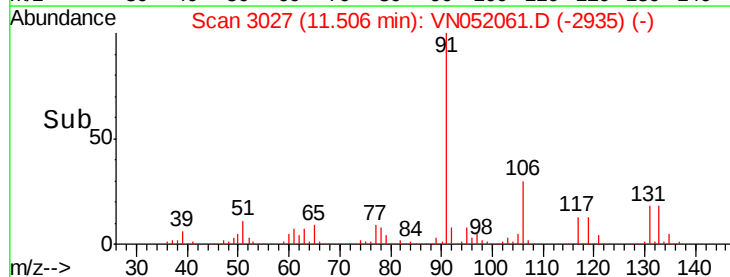
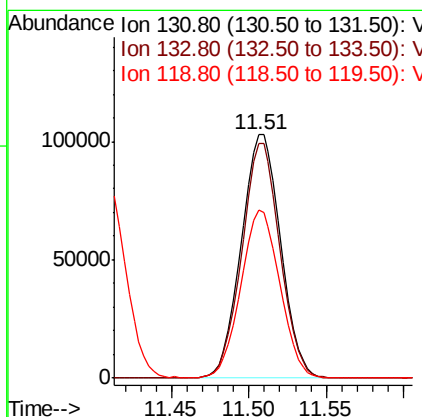
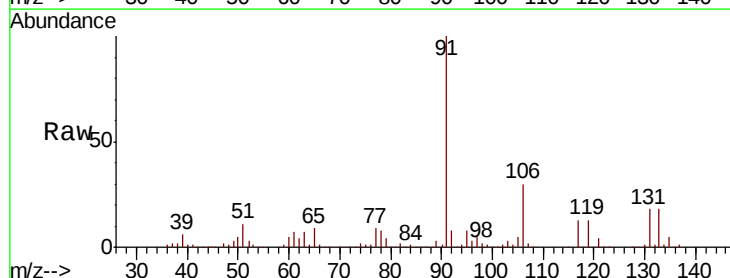
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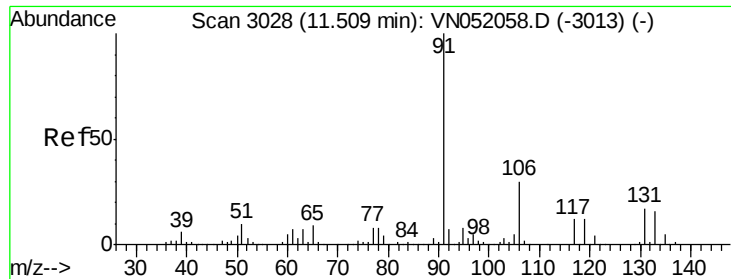
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.765 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion:131 Resp: 182088
Ion Ratio Lower Upper
131 100
133 93.8 47.6 142.9
119 68.7 34.4 103.2





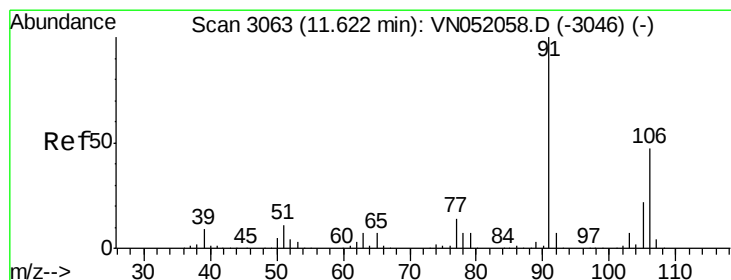
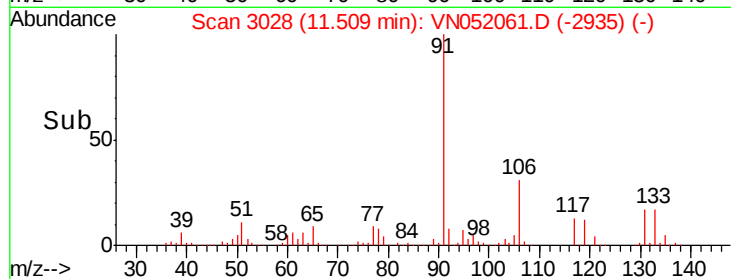
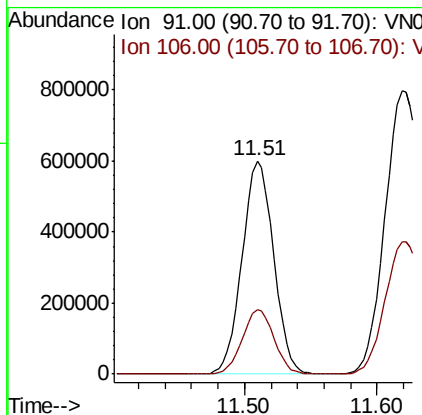
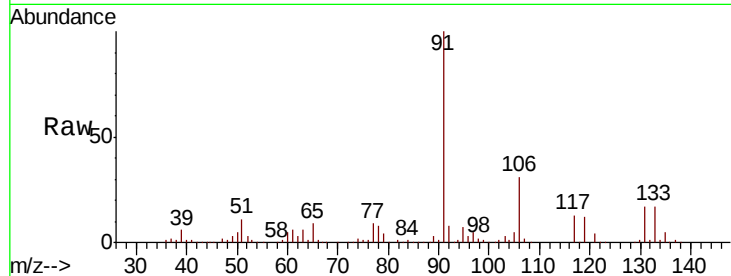
#67
Ethyl Benzene
Concen: 54.419 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
ICVVN103018

Tot Ion: 91 Resp: 991395
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

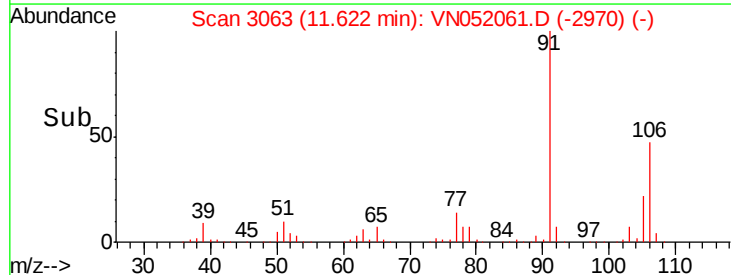
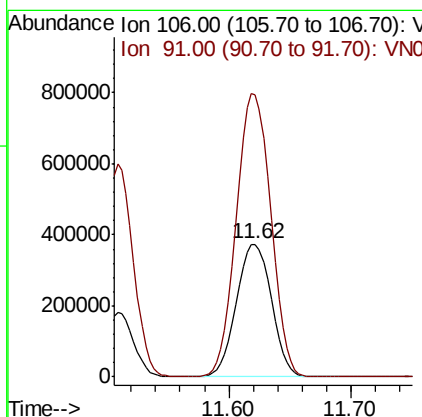
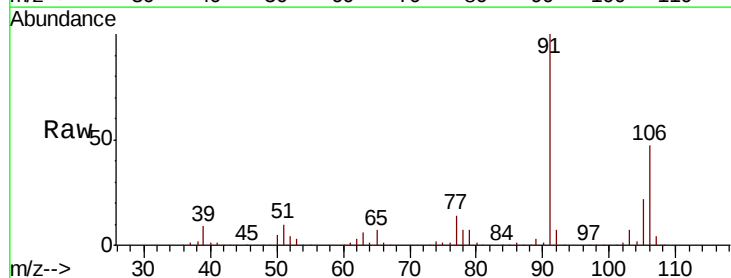
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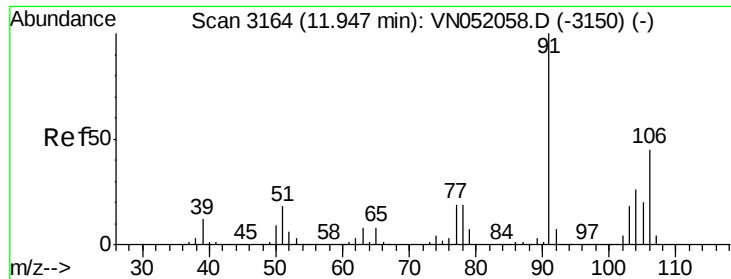
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#68
m/p-Xylenes
Concen: 114.030 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion: 106 Resp: 743566
Ion Ratio Lower Upper
106 100
91 210.2 168.7 253.1





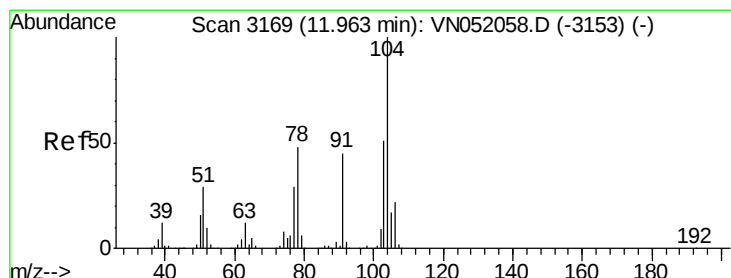
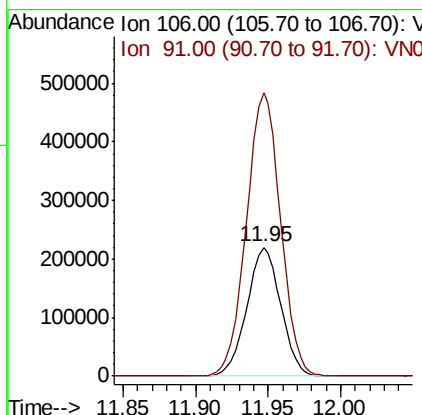
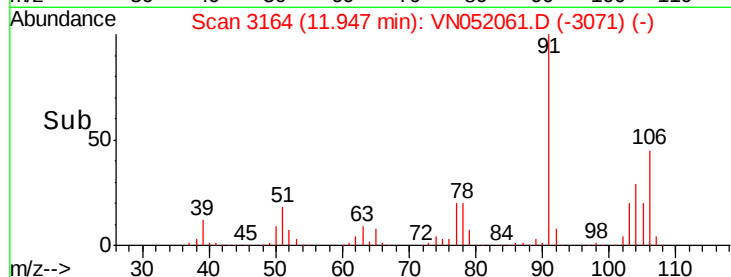
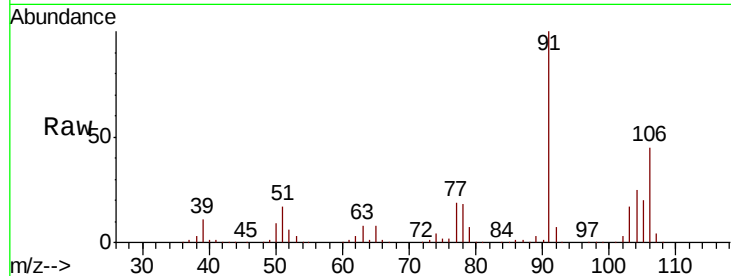
#69
o-Xylene
Concen: 55.480 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.8	109.6	328.6	

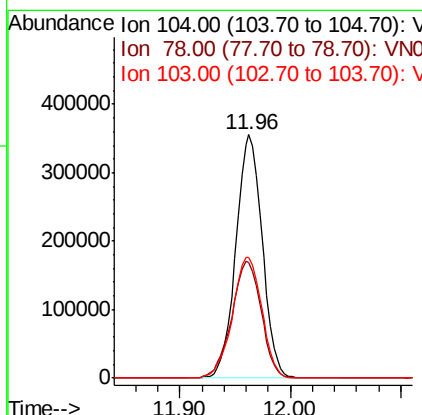
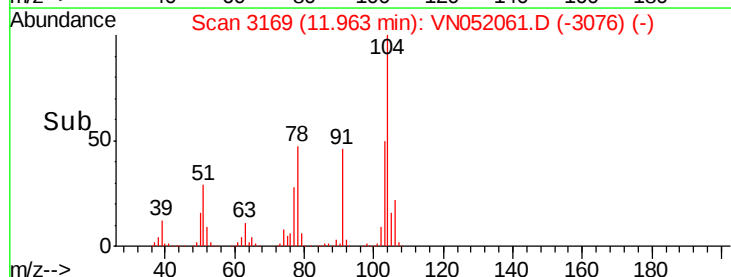
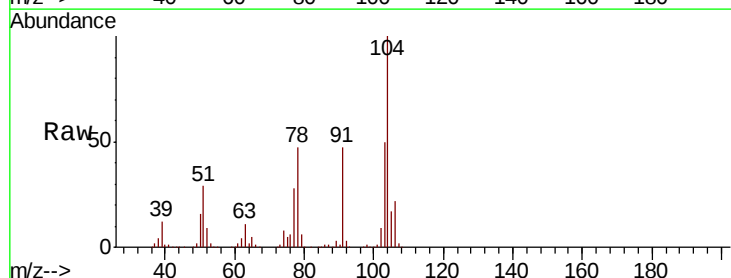
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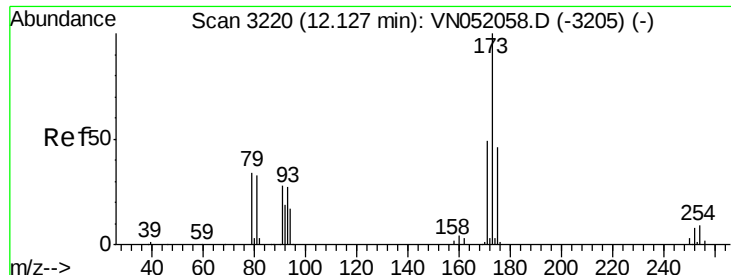
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#70
Styrene
Concen: 56.327 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.0	43.0	64.6	
103	55.4	45.1	67.7	





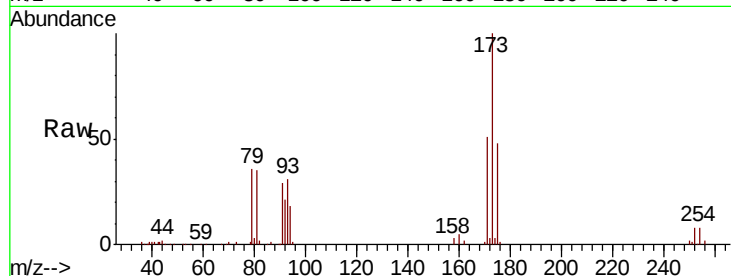
#71
Bromoform
Concen: 48.427 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

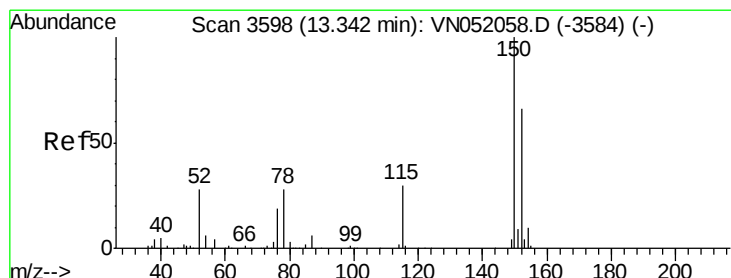
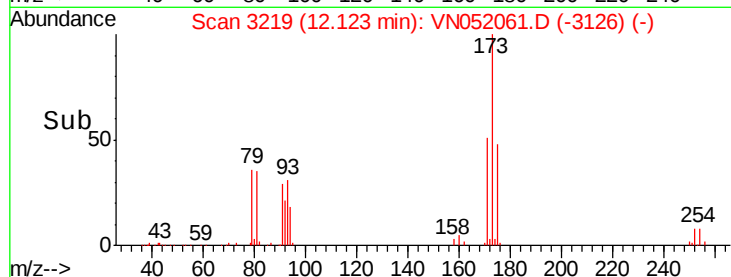
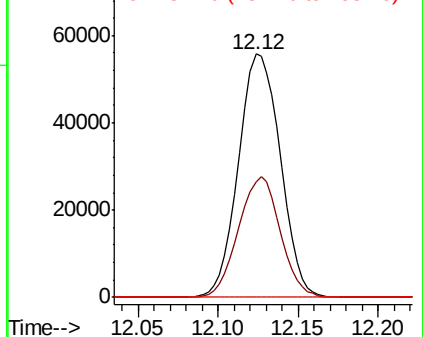
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.9	71.7
254	0.0	0.0	0.0

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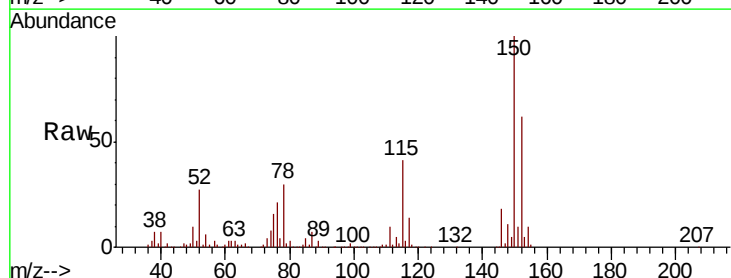


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

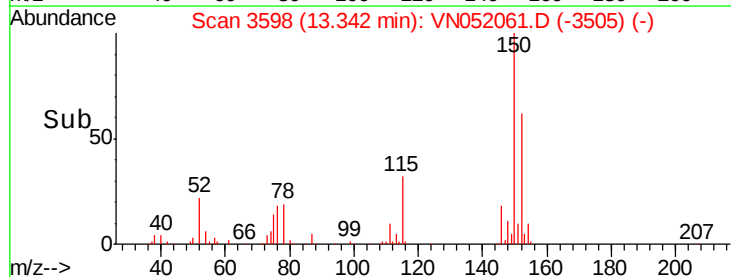
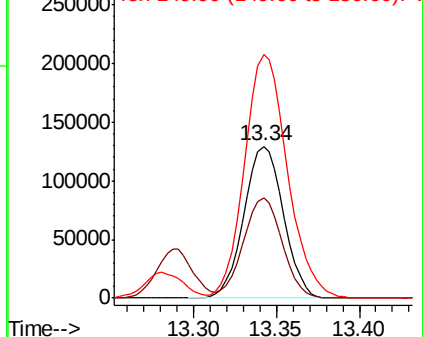


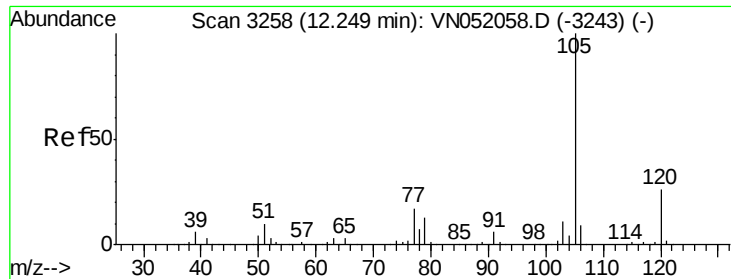
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	31.6	95.0
150	174.8	0.0	345.0



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





#73

Isopropylbenzene

Concen: 52.994 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVFN103018

Tot Ion:105 Resp: 971164

Ion Ratio Lower Upper

105 100

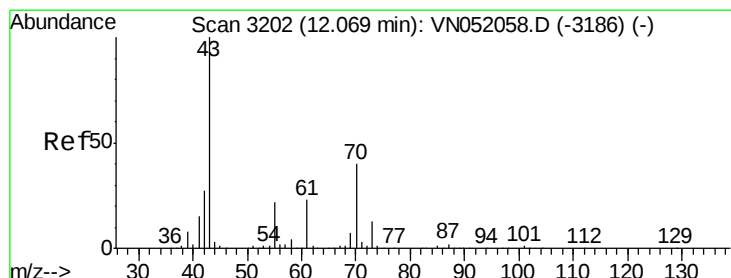
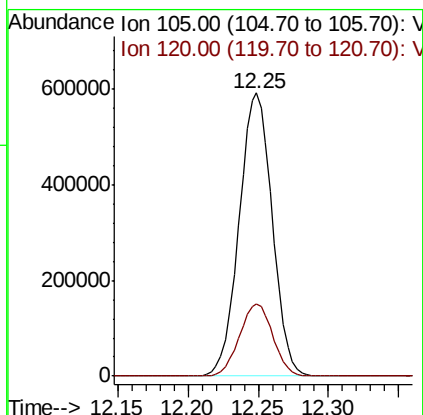
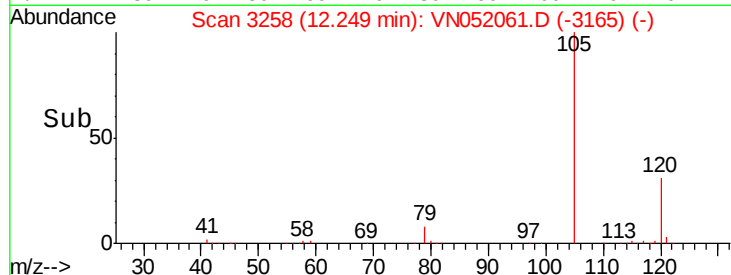
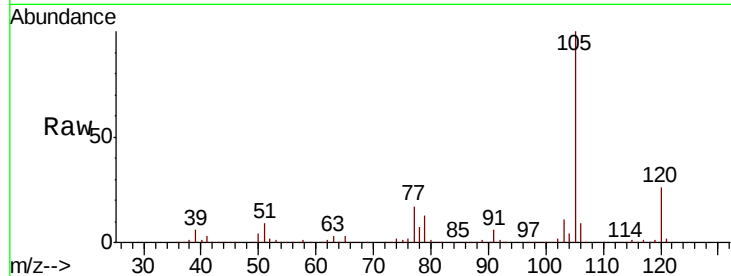
120 25.9 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.381 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Tgt Ion: 43 Resp: 290241

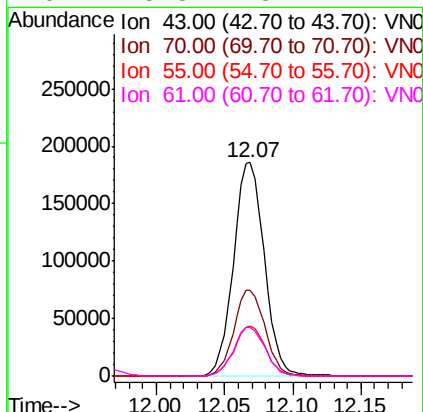
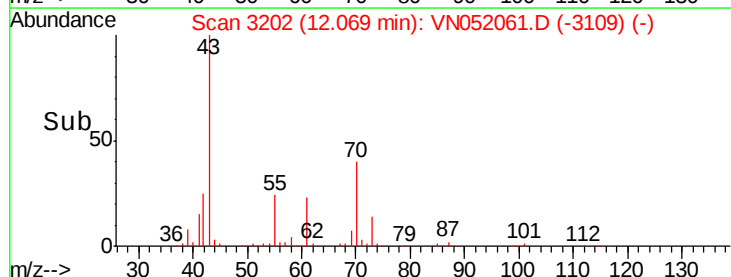
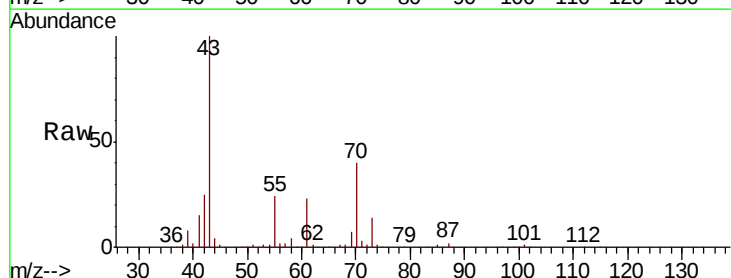
Ion Ratio Lower Upper

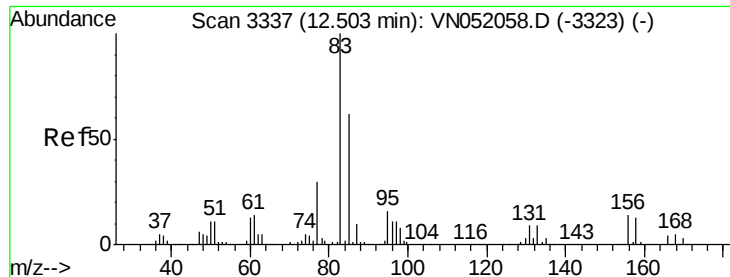
43 100

70 40.9 31.9 47.9

55 23.9 18.4 27.6

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.530 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

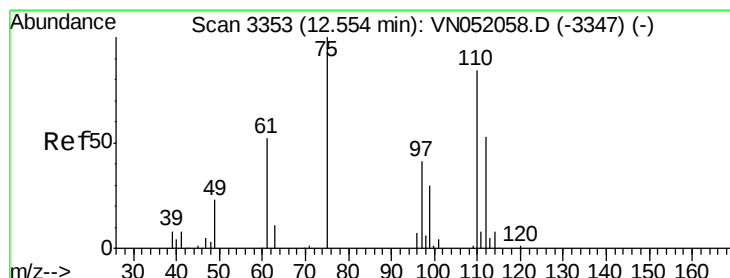
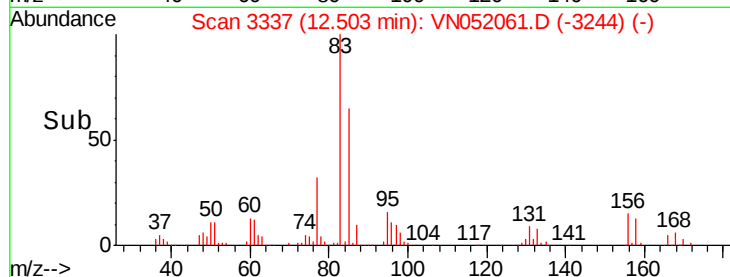
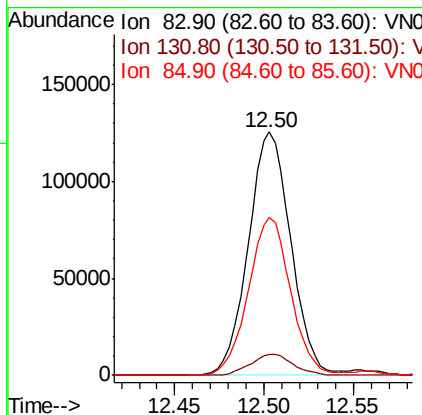
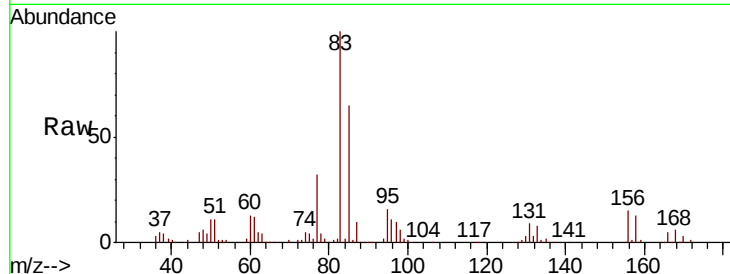
ClientSampleId :

ICVVN103018

Tot Ion:	83	Resp:	208868
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.4
85	64.4	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.544 ug/l m

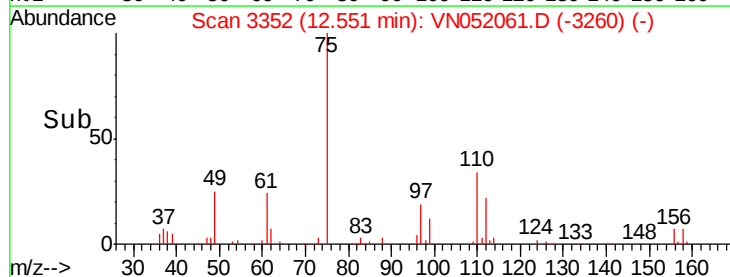
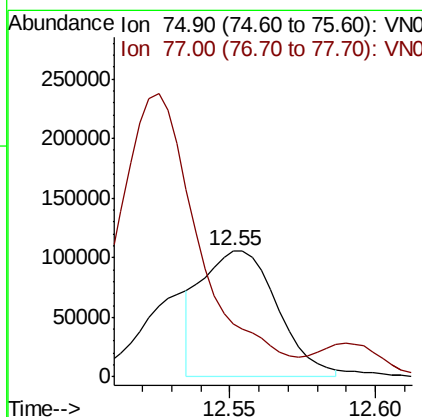
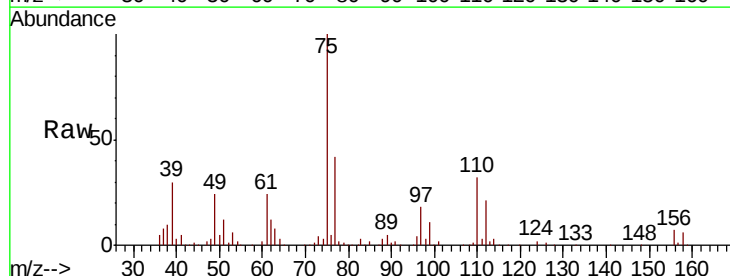
RT: 12.55 min Scan# 3352

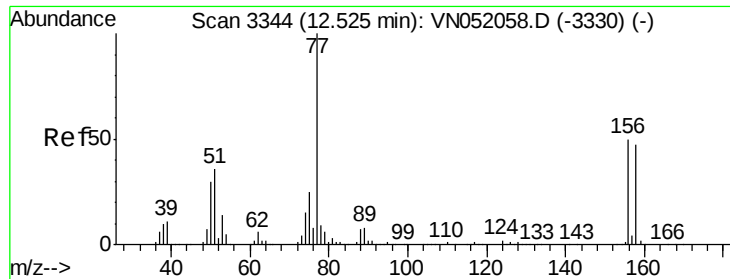
Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Tgt Ion:	75	Resp:	190433
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.955 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

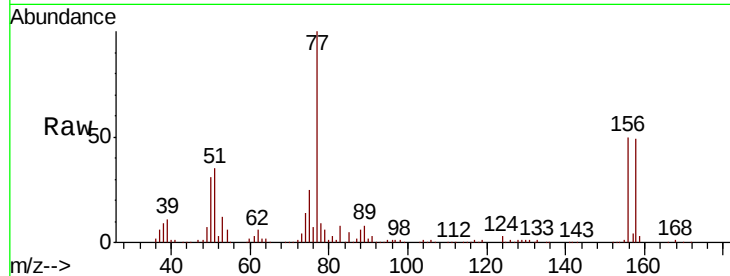
ClientSampleId :

ICVVN103018

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.6	119.6	358.6	
158	96.7	47.8	143.4	

Manual Integrations
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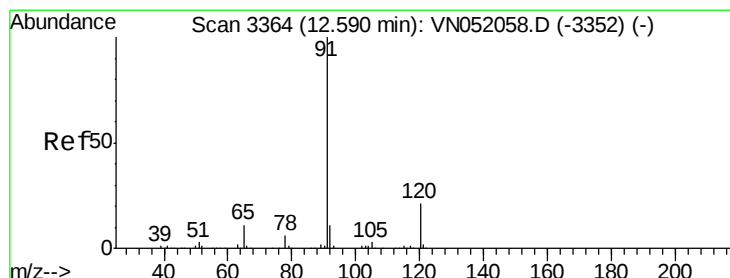
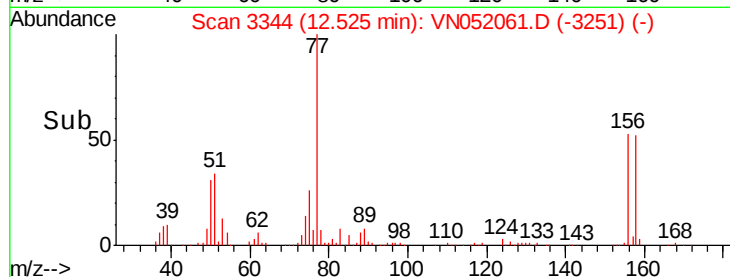
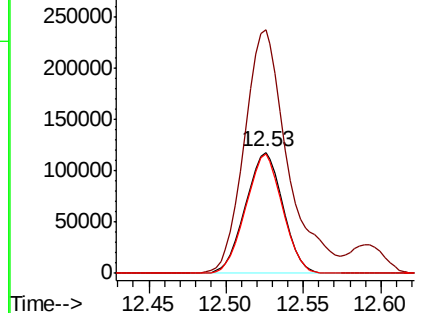
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.028 ug/l

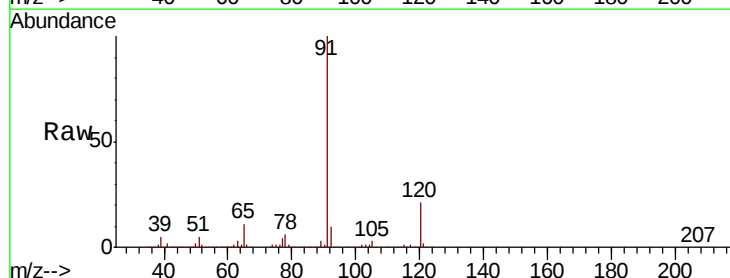
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052061.D

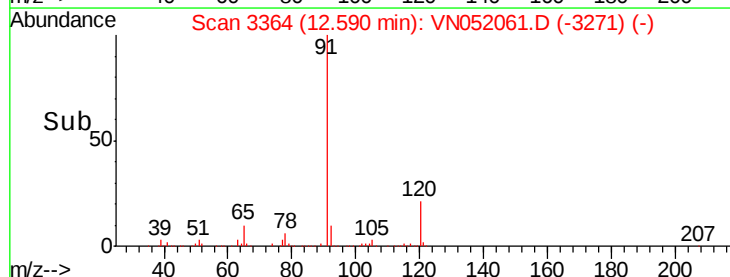
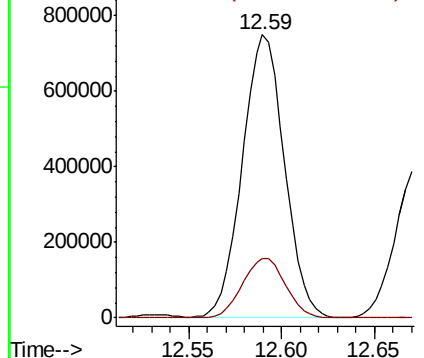
Acq: 30 Oct 2018 13:18

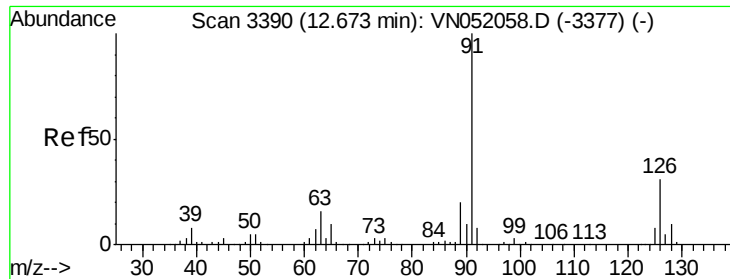
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.8	32.4	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





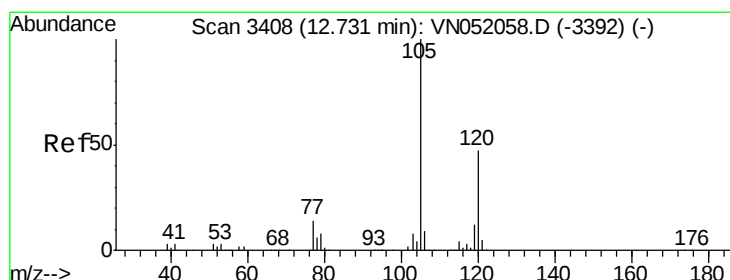
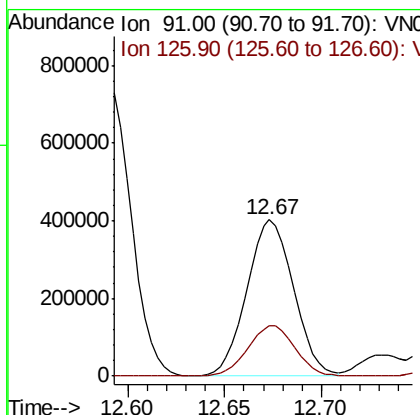
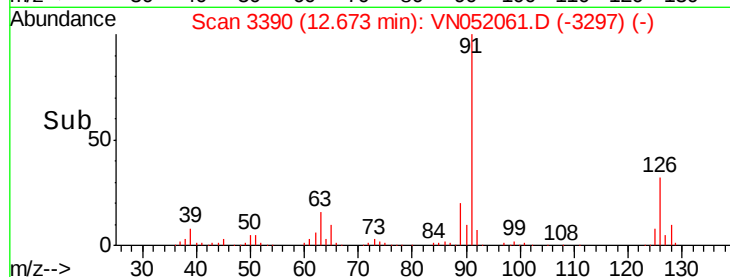
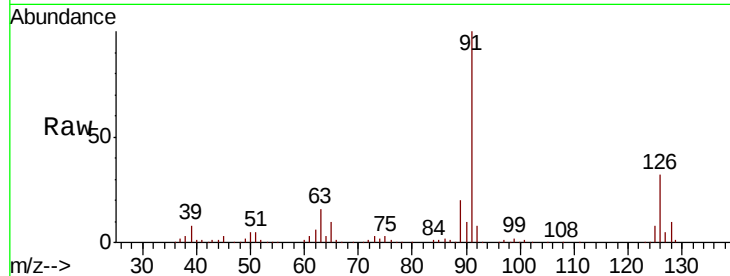
#79
2-Chlorotoluene
Concen: 52.193 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
ICVFN103018

Tot Ion: 91 Resp: 675630
Ion Ratio Lower Upper
91 100
126 32.6 15.9 47.6

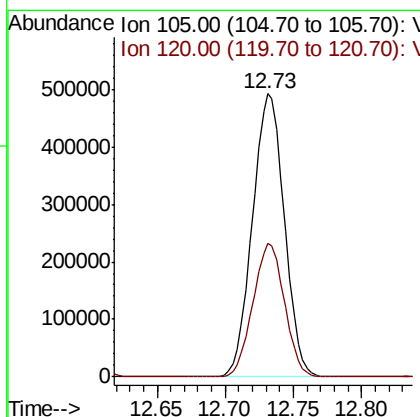
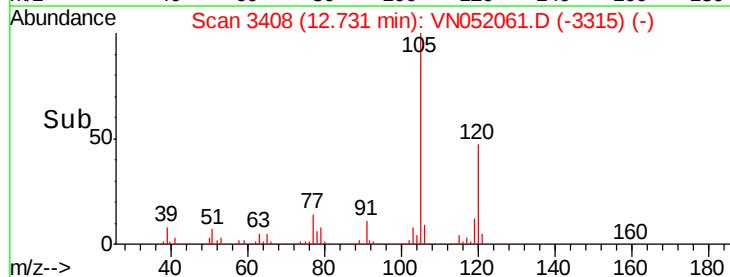
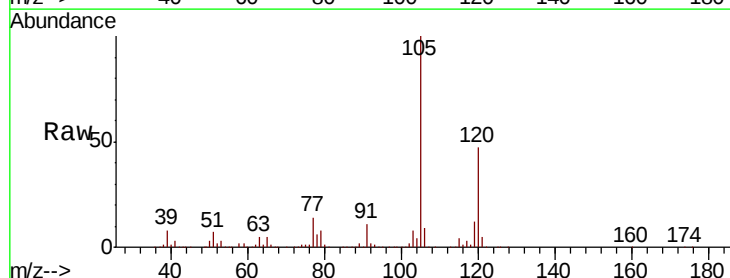
Manual Integrations
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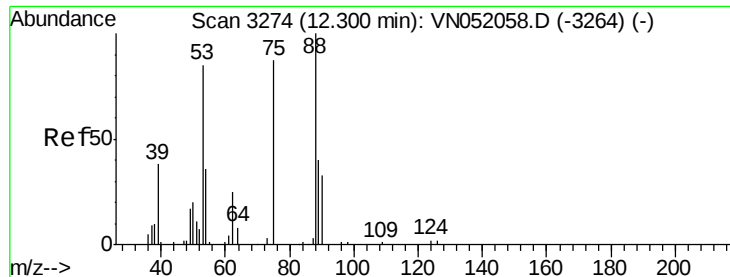
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#80
1,3,5-Trimethylbenzene
Concen: 53.398 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion: 105 Resp: 796324
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0





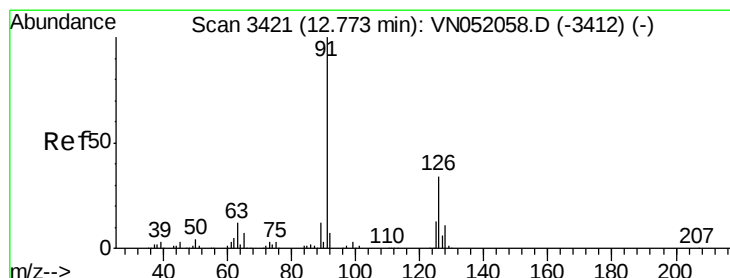
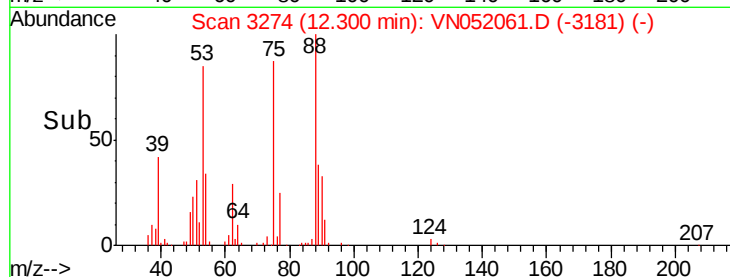
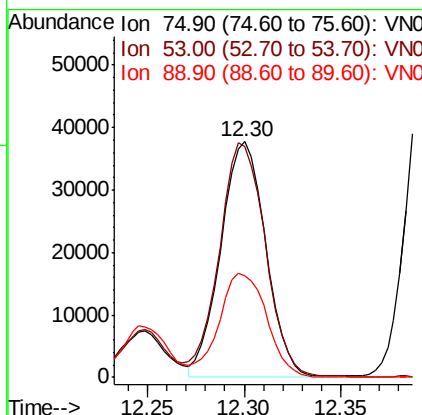
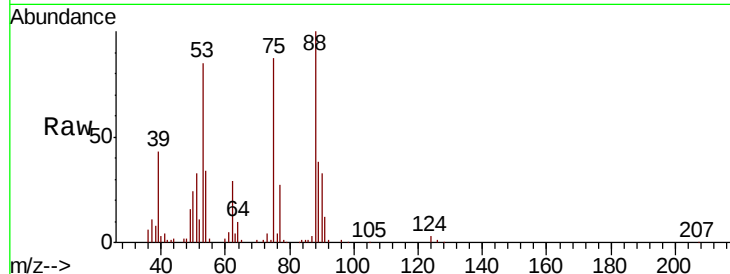
#81
trans-1,4-Dichloro-2-butene
Concen: 51.895 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	81.8	122.6
89	46.5	36.6	54.8

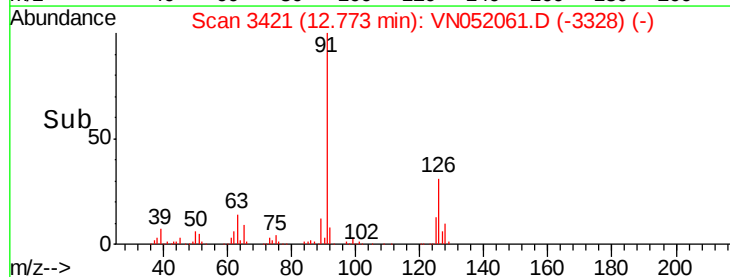
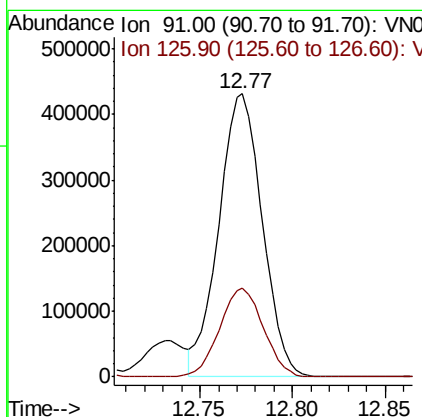
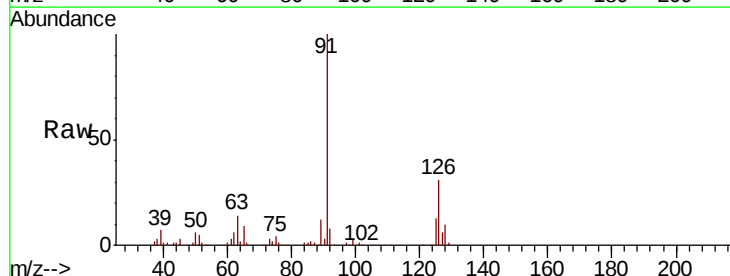
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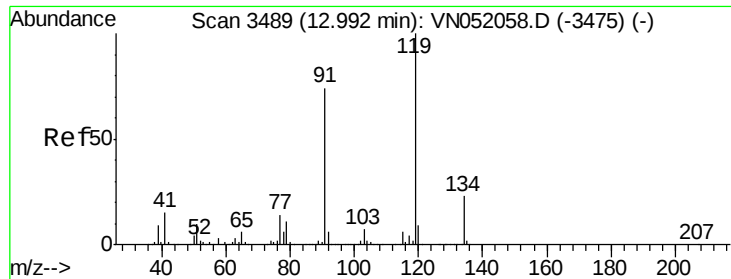
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#82
4-Chlorotoluene
Concen: 53.038 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1





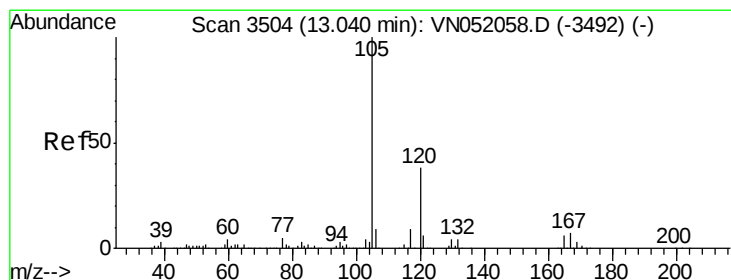
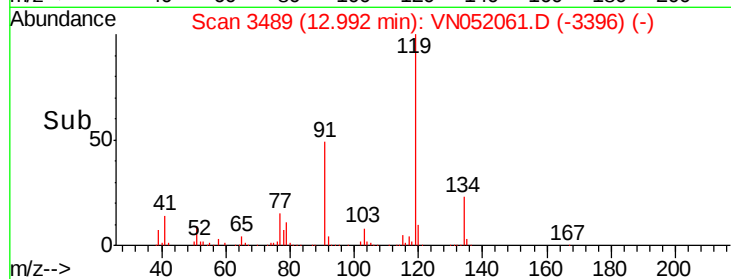
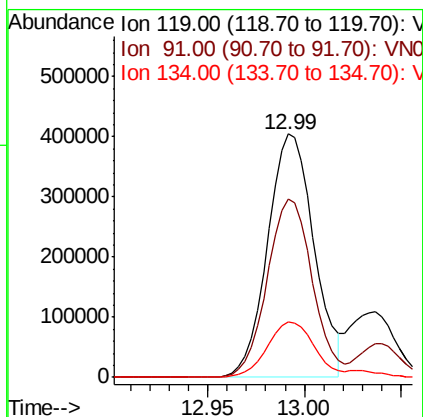
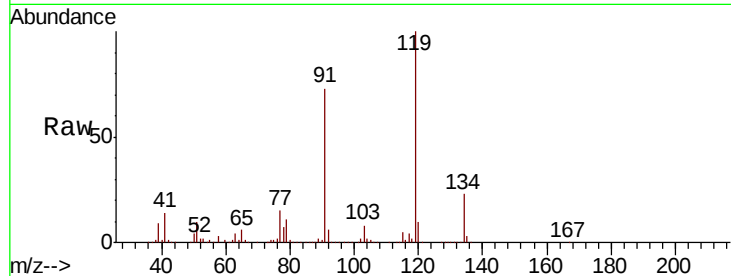
#83
tert-Butylbenzene
Concen: 53.841 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	36.6	109.9
134	25.1	12.5	37.5

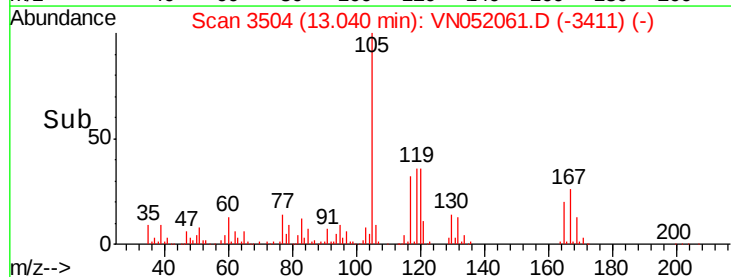
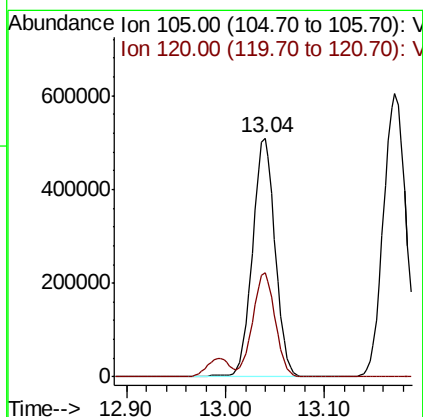
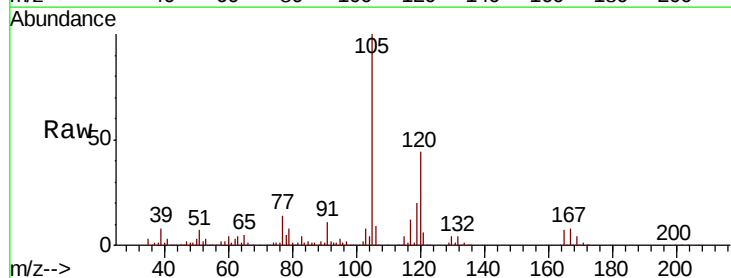
Manual Integrations
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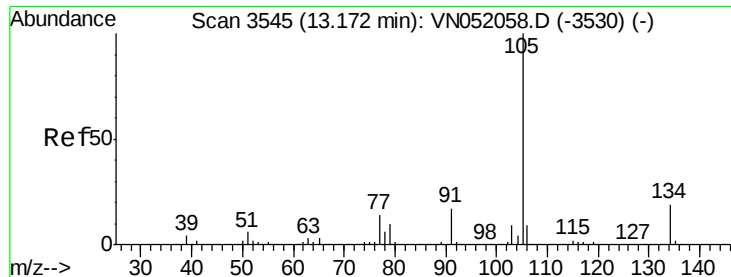
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#84
1,2,4-Trimethylbenzene
Concen: 53.980 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.5





#85

sec-Butylbenzene

Concen: 54.113 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

ICVFN103018

Tot Ion:105 Resp: 968376

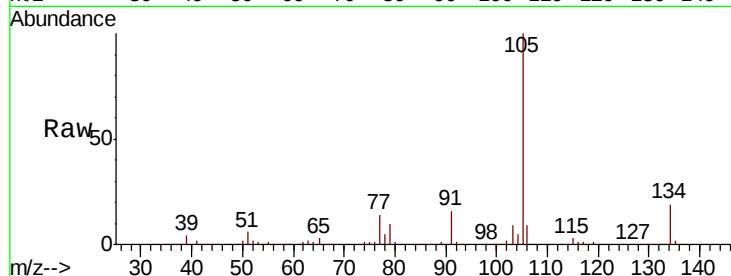
Ion Ratio Lower Upper

105 100

134 18.9 9.1 27.3

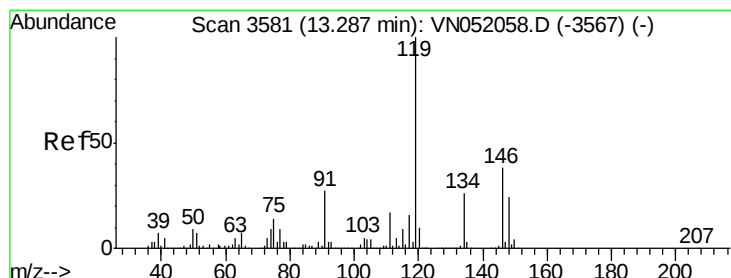
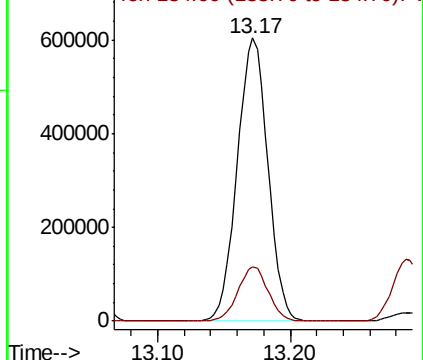
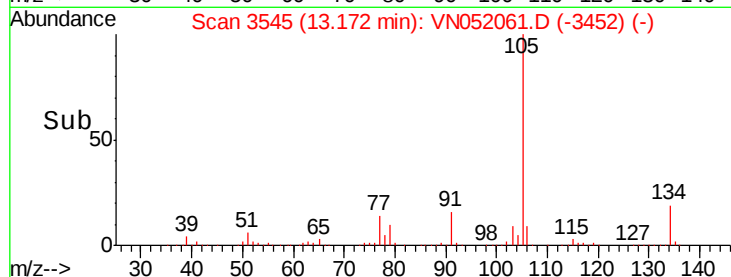
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.827 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

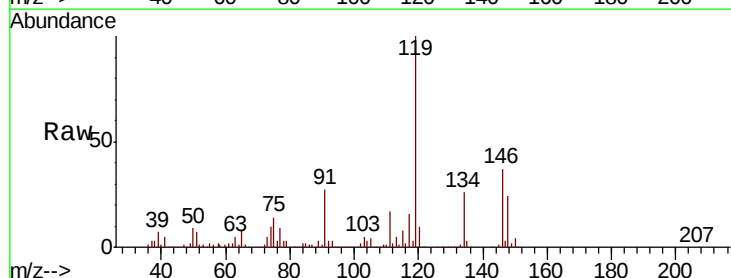
Tgt Ion:119 Resp: 799064

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

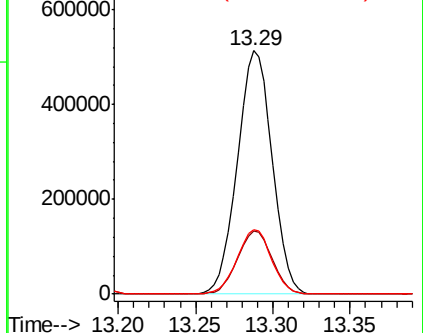
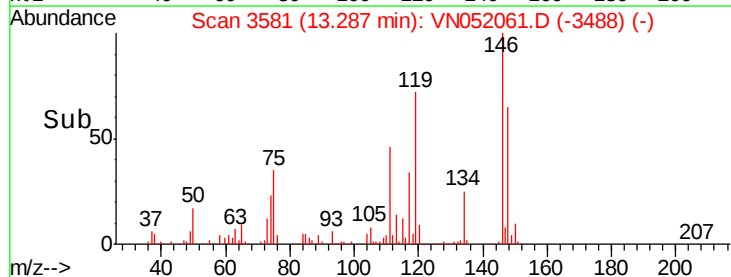
91 26.1 13.4 40.2

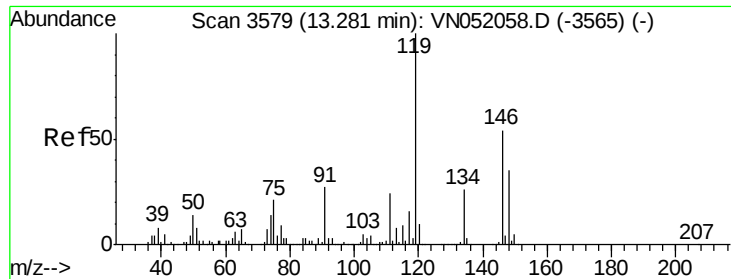


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





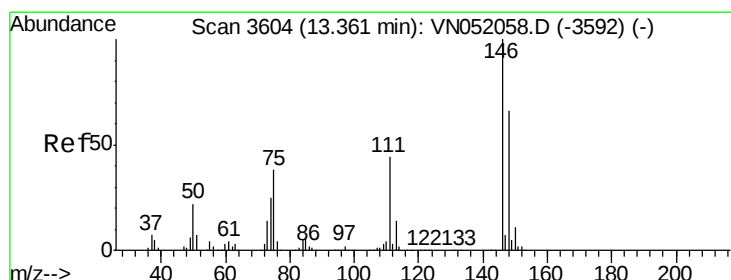
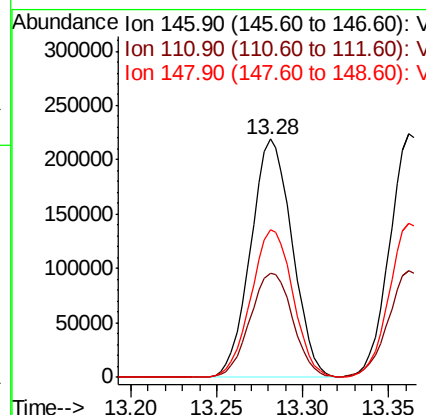
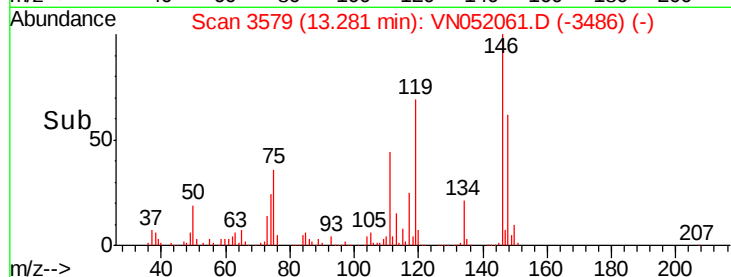
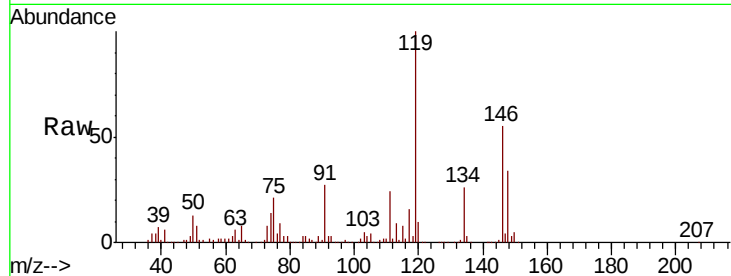
#87
 1,3-Dichlorobenzene
 Concen: 52.427 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	62.5	31.8	95.4

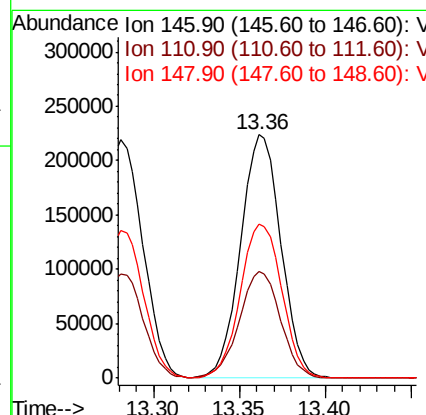
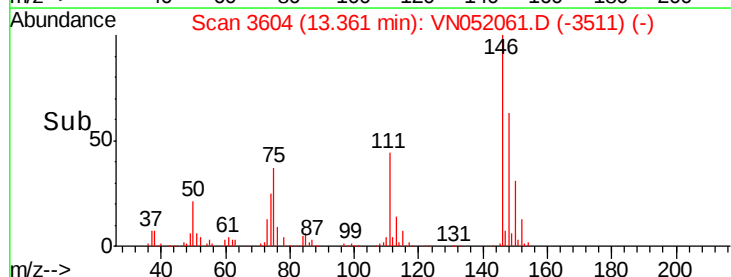
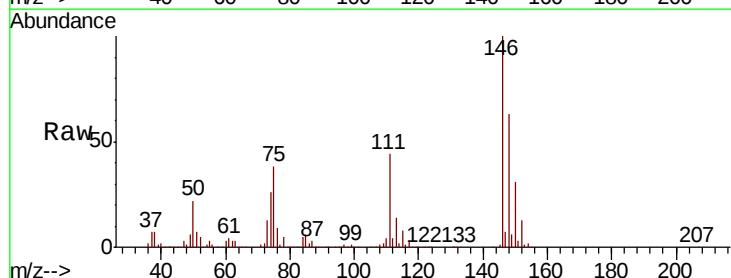
Manual Integrations
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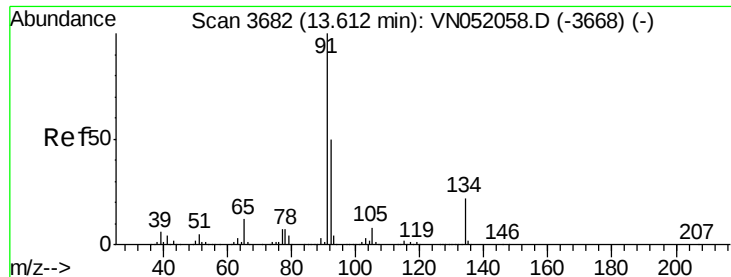
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#88
 1,4-Dichlorobenzene
 Concen: 52.021 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.9	65.8
148	65.3	32.6	98.0





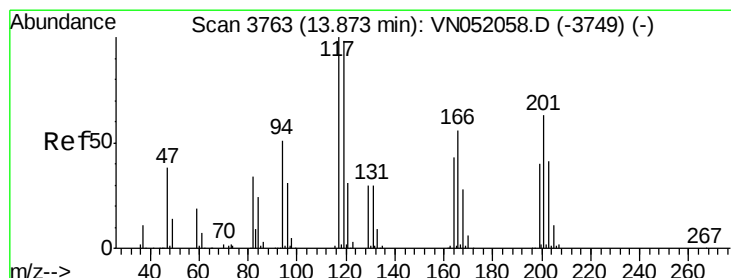
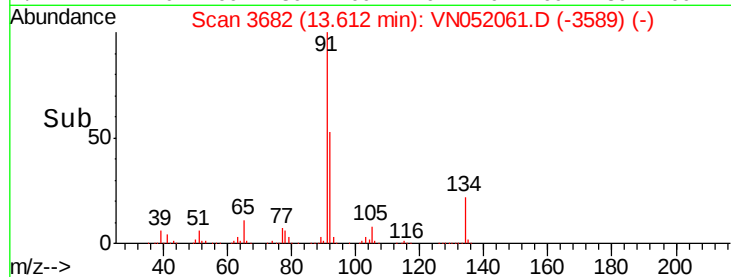
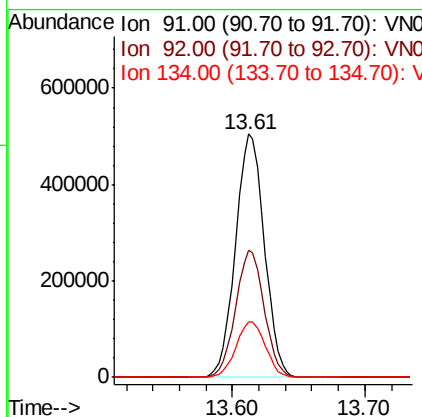
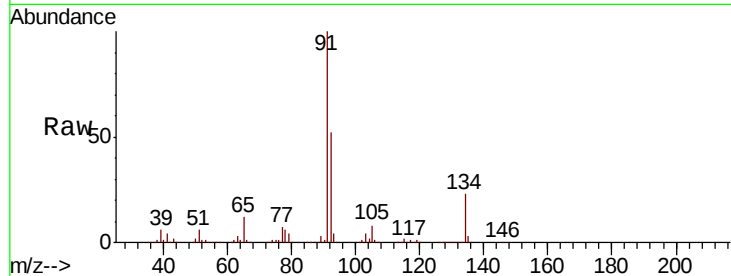
#89
n-Butylbenzene
Concen: 54.774 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103018

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.3	75.8
134	23.2	11.2	33.5

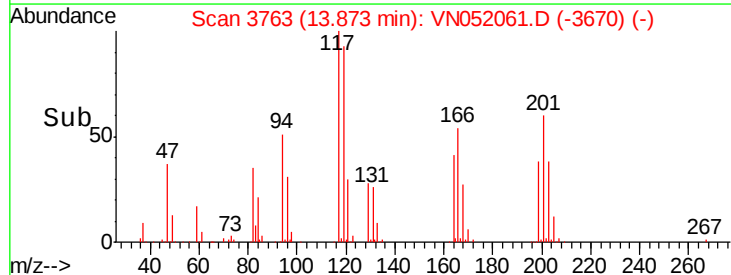
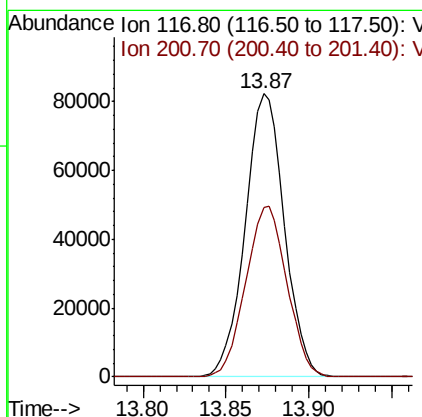
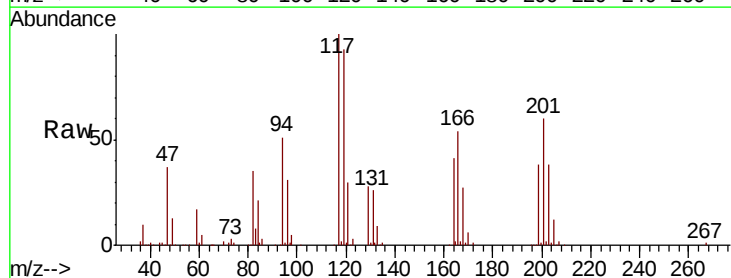
Manual Integrations
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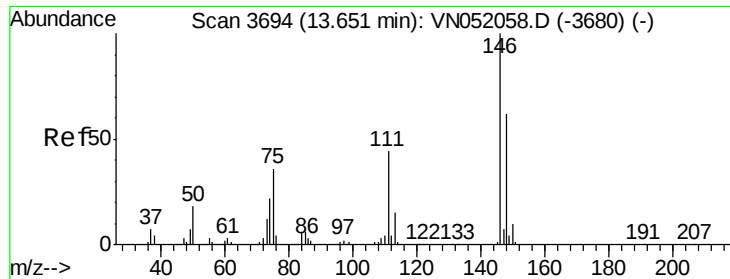
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#90
Hexachloroethane
Concen: 54.047 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052061.D
Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.1	93.5





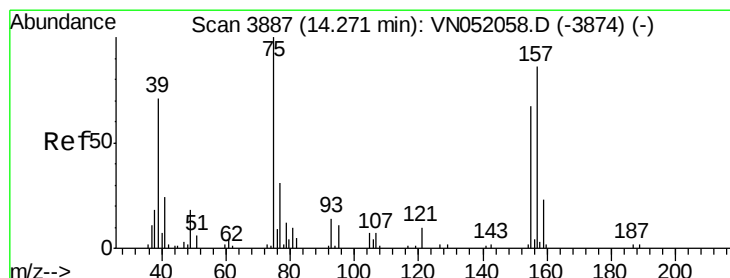
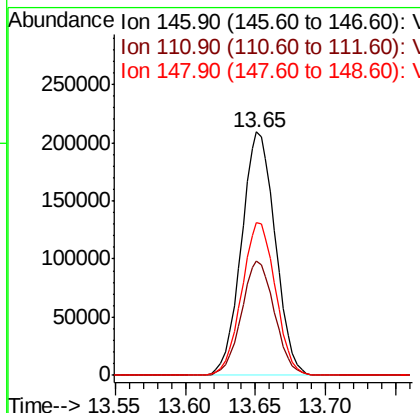
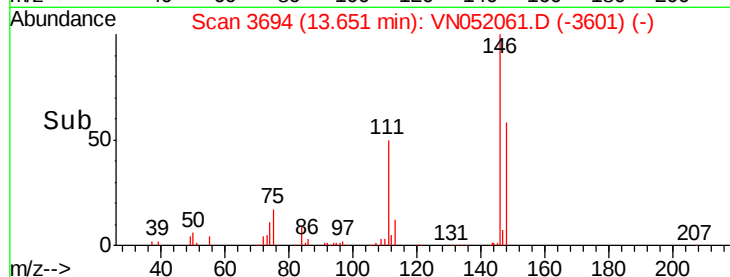
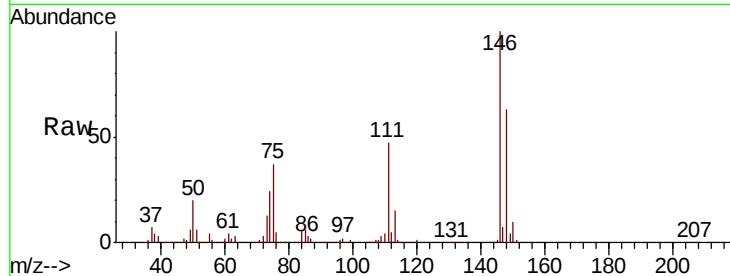
#91
 1,2-Dichlorobenzene
 Concen: 53.314 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.5	67.5
148	62.6	30.9	92.8

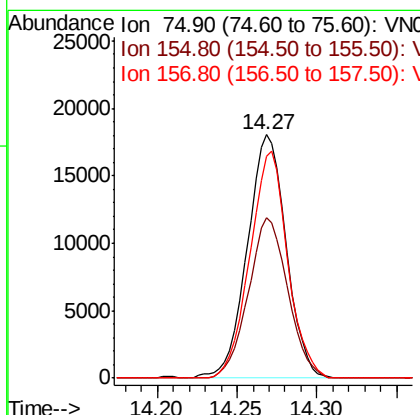
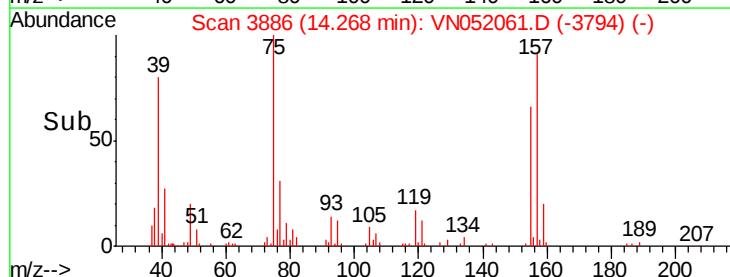
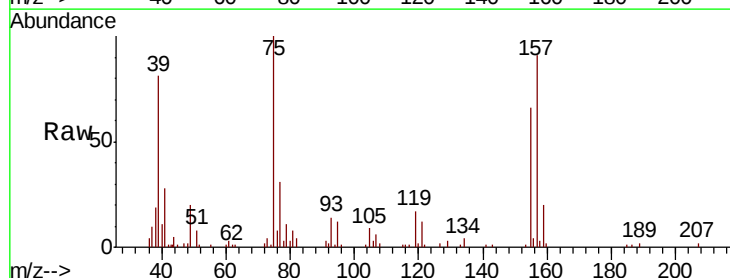
Manual Integrations
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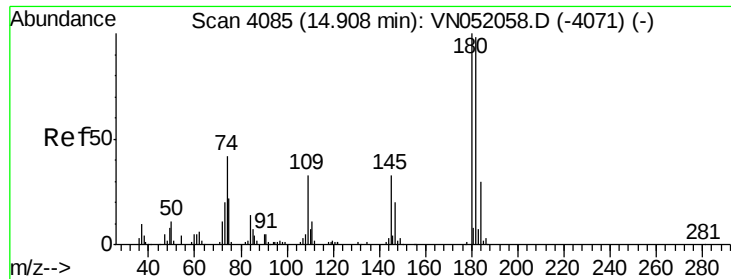
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.558 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.8	34.0	102.0
157	90.6	42.1	126.4





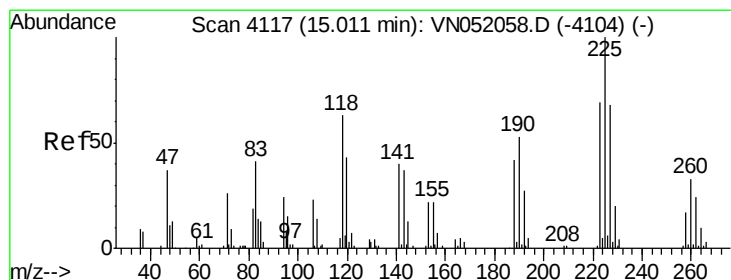
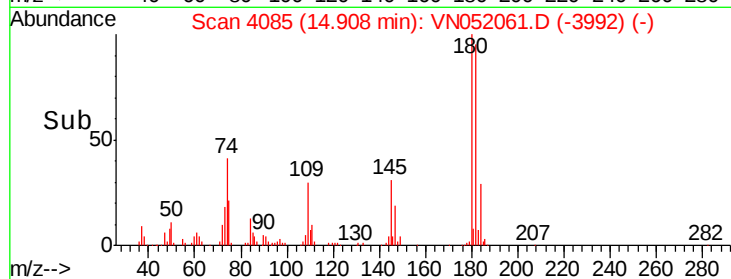
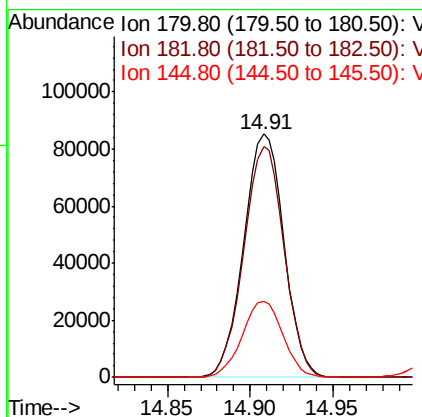
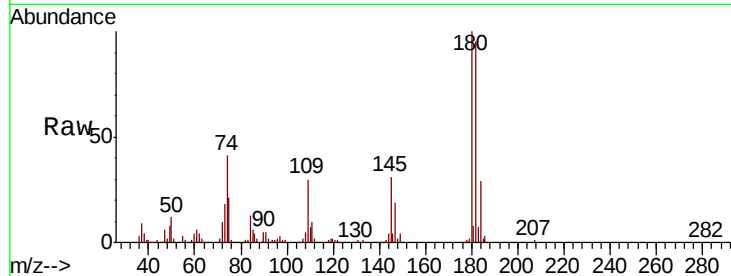
#93
 1,2,4-Trichlorobenzene
 Concen: 58.727 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN103018

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	49.1	147.4	
145	31.7	16.4	49.2	

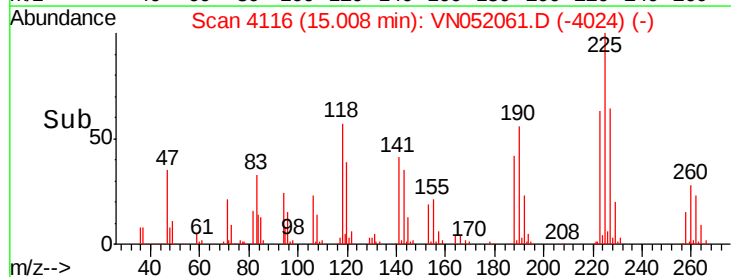
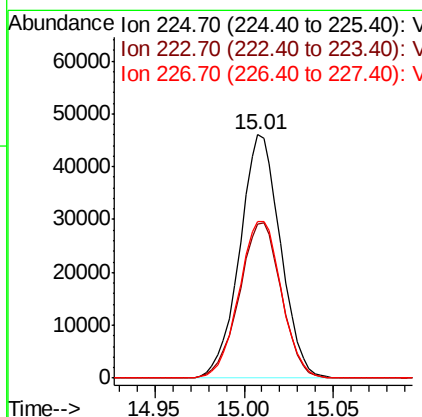
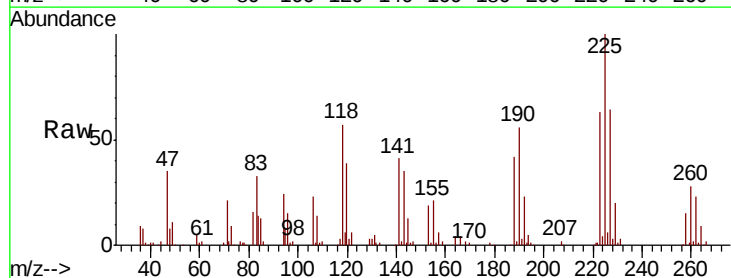
Manual Integrations
 APPROVED

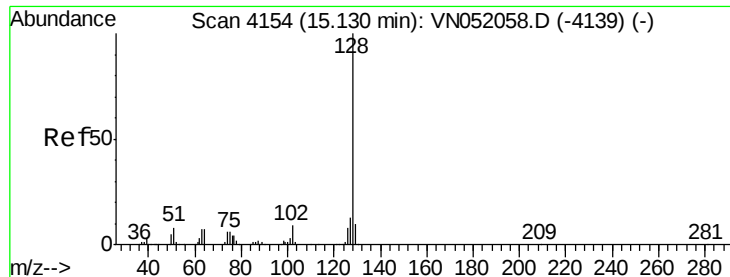
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#94
 Hexachlorobutadiene
 Concen: 53.613 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052061.D
 Acq: 30 Oct 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.0	33.1	99.3	
227	67.0	32.6	97.8	





#95

Naphthalene

Concen: 56.909 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Instrument :

MSVOA_N

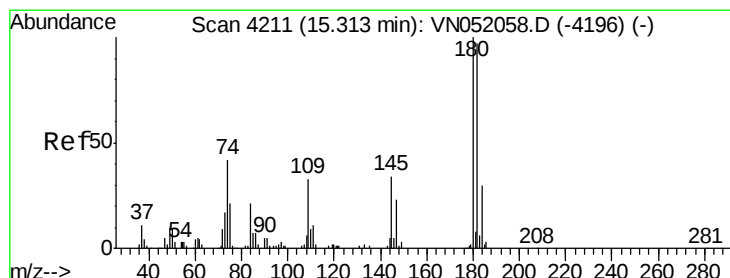
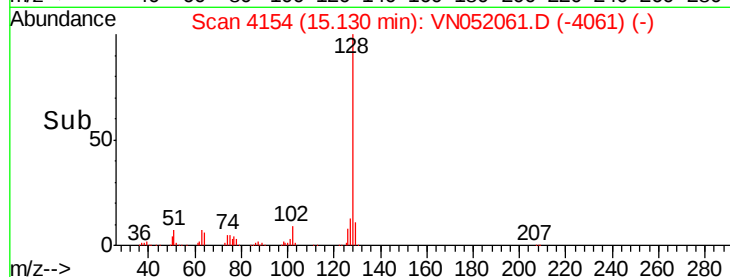
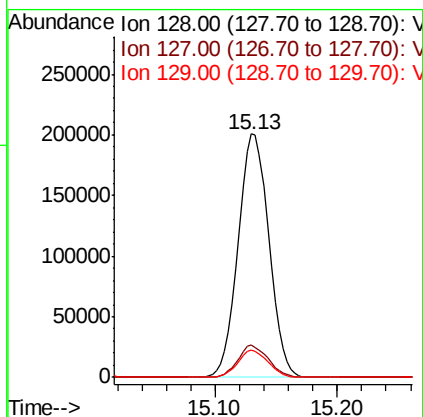
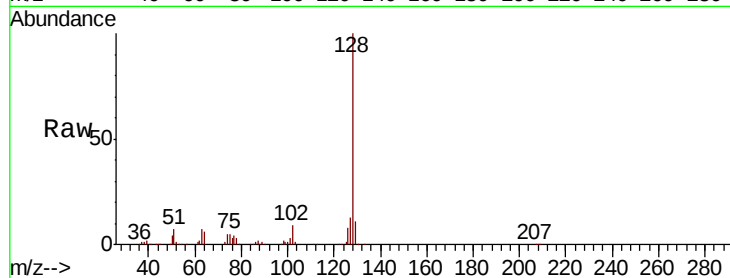
ClientSampleId :

ICVVN103018

Tot Ion:	128	Resp:	349442
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 56.424 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052061.D

Acq: 30 Oct 2018 13:18

Tgt Ion:	180	Resp:	119201
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.2	141.6
145	35.0	16.6	49.7

