

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053779.D
 Acq On : 14 Feb 2019 15:09
 Operator : JC/SP
 Sample : VN0214WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:54 AM

Quant Time: Feb 15 01:35:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	661945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1055583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	407521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	364680	54.92	ug/l	0.00
Spiked Amount						
			Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	356631	53.47	ug/l	0.00
Spiked Amount						
			Recovery	=	106.94%	
50) Toluene-d8	10.09	98	1251293	49.96	ug/l	0.00
Spiked Amount						
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	407356	48.77	ug/l	0.00
Spiked Amount						
			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	136153	18.459	ug/l	100
3) Chloromethane	2.06	50	158062	20.113	ug/l	100
4) Vinyl Chloride	2.19	62	163798	21.471	ug/l	99
5) Bromomethane	2.58	94	108061	21.664	ug/l	98
6) Chloroethane	2.71	64	102329	23.473	ug/l	99
7) Trichlorofluoromethane	3.02	101	217483	21.023	ug/l	99
8) Diethyl Ether	3.41	74	78226	20.705	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	129241	20.200	ug/l	97
10) Methyl Iodide	3.96	142	191664	19.086	ug/l	100
11) Tert butyl alcohol	4.78	59	46503	118.326	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	126830	20.691	ug/l	95
13) Acrolein	3.61	56	27796	129.903	ug/l	97
14) Allyl chloride	4.33	41	198342	20.322	ug/l	100
15) Acrylonitrile	4.99	53	243585	114.810	ug/l	99
16) Acetone	3.82	43	169727	99.644	ug/l	99
17) Carbon Disulfide	4.06	76	335122	17.558	ug/l	100
18) Methyl Acetate	4.33	43	126578	25.093	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351718	22.634	ug/l	99
20) Methylene Chloride	4.55	84	150257	21.026	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132589	20.049	ug/l	96
22) Diisopropyl ether	5.95	45	404285	22.356	ug/l	95
23) Vinyl Acetate	5.90	43	1325945	105.987	ug/l	99
24) 1,1-Dichloroethane	5.85	63	258672	21.445	ug/l	99
25) 2-Butanone	6.84	43	261972	107.838	ug/l	99
26) 2,2-Dichloropropane	6.83	77	175887	19.102	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	154838	21.056	ug/l	97
28) Bromochloromethane	7.20	49	111178	21.240	ug/l	97
29) Tetrahydrofuran	7.21	42	176644	113.238	ug/l	96
30) Chloroform	7.37	83	255697	21.385	ug/l	97
31) Cyclohexane	7.66	56	211699	18.745	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	213568	21.462	ug/l	98
36) 1,1-Dichloropropene	7.79	75	186372	19.586	ug/l	99
37) Ethyl Acetate	6.93	43	120245	22.626	ug/l	99
38) Carbon Tetrachloride	7.78	117	187354	19.545	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199179	17.644	ug/l	99
40) Benzene	8.04	78	580184	19.772	ug/l	99
41) Methacrylonitrile	7.18	41	70130	23.611	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	177733	20.400	ug/l	100
43) Isopropyl Acetate	8.17	43	210697	20.529	ug/l	98
44) Trichloroethene	8.84	130	154035	18.439	ug/l	98
45) 1,2-Dichloropropane	9.12	63	154171	20.542	ug/l	99
46) Dibromomethane	9.21	93	91532	20.231	ug/l	97
47) Bromodichloromethane	9.40	83	190917	20.296	ug/l	98
48) Methyl methacrylate	9.20	41	99694	20.349	ug/l	98
49) 1,4-Dioxane	9.20	88	26990	404.440	ug/l #	95
51) 4-Methyl-2-Pentanone	9.99	43	546412	108.342	ug/l	100
52) Toluene	10.16	92	348127	19.990	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180173	19.128	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	220496	19.754	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135480	21.589	ug/l	96
56) Ethyl methacrylate	10.43	69	151855	20.455	ug/l	98
57) 1,3-Dichloropropane	10.71	76	219224	20.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	332366	77.887	ug/l	100
59) 2-Hexanone	10.75	43	327858	95.758	ug/l	99
60) Dibromochloromethane	10.90	129	144303	20.392	ug/l	100
61) 1,2-Dibromoethane	11.01	107	125563	20.216	ug/l	99
64) Tetrachloroethene	10.63	164	154094	20.043	ug/l	97
65) Chlorobenzene	11.44	112	378041	19.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	140617	21.135	ug/l	99
67) Ethyl Benzene	11.51	91	620921	19.841	ug/l	99
68) m/p-Xylenes	11.62	106	484342	40.551	ug/l	97
69) o-Xylene	11.95	106	237494	20.582	ug/l	98
70) Styrene	11.96	104	376102	20.109	ug/l	100
71) Bromoform	12.13	173	96596	21.177	ug/l #	99
73) Isopropylbenzene	12.25	105	625191	21.823	ug/l	100
74) N-amyl acetate	12.07	43	148195	21.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151463	22.091	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	136079m	25.997	ug/l	
77) Bromobenzene	12.53	156	162128	20.999	ug/l	99
78) n-propylbenzene	12.59	91	693888	20.952	ug/l	100
79) 2-Chlorotoluene	12.67	91	416137	21.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	518828	21.840	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35821	19.243	ug/l	95
82) 4-Chlorotoluene	12.77	91	415288	20.598	ug/l	100
83) tert-Butylbenzene	12.99	119	468993	22.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	525219	21.700	ug/l	99
85) sec-Butylbenzene	13.17	105	620187	21.706	ug/l	99
86) p-Isopropyltoluene	13.29	119	586925	23.488	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279147	20.112	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268689	19.570	ug/l	99
89) n-Butylbenzene	13.62	91	427771	19.777	ug/l	99
90) Hexachloroethane	13.87	117	92862	22.529	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	281565	21.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21422	21.923	ug/l	96

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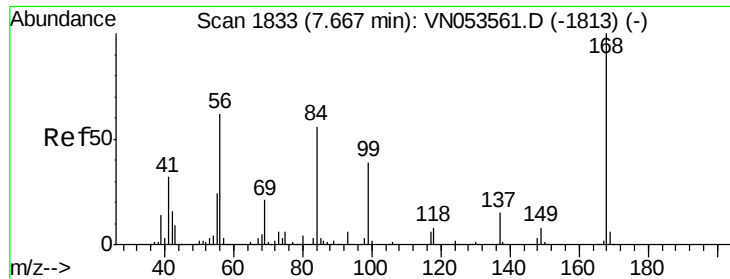
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139453	18.299	ug/l	99
94) Hexachlorobutadiene	15.01	225	100733	21.225	ug/l	100
95) Naphthalene	15.13	128	284624	17.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138852	19.637	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion:168 Resp: 661945

Ion Ratio Lower Upper

168 100

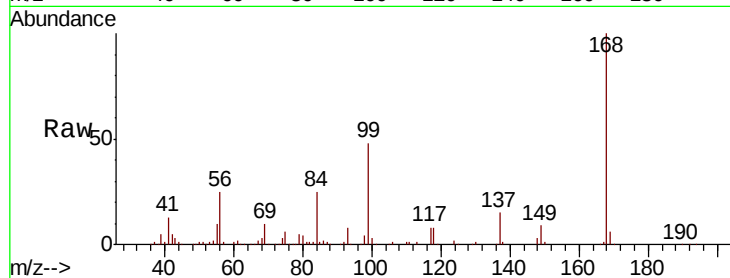
99 47.0 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

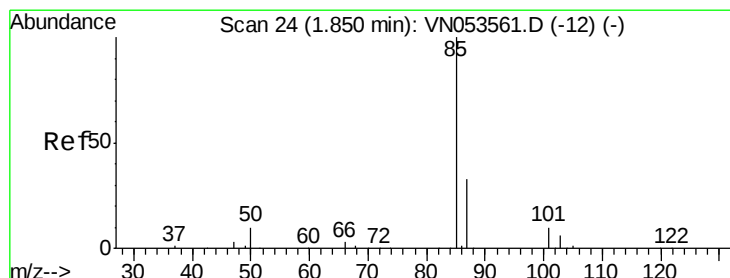
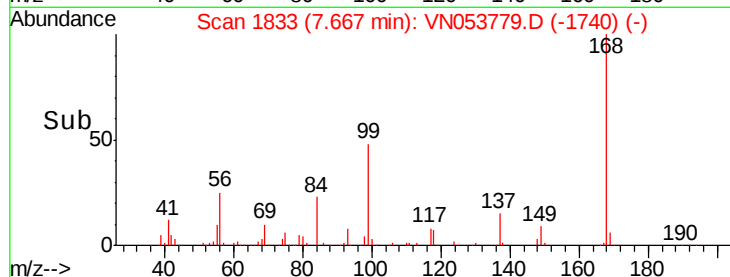
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.459 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053779.D

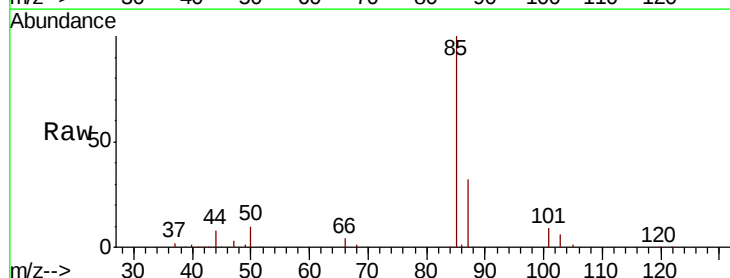
Acq: 14 Feb 2019 15:09

Tgt Ion: 85 Resp: 136153

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

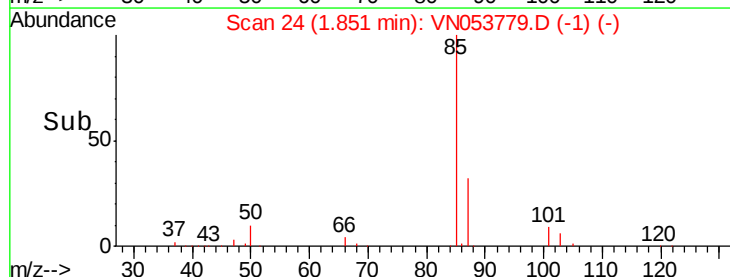
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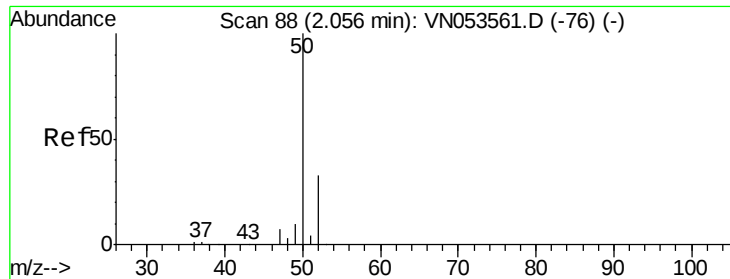
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.113 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 50 Resp: 158062

Ion Ratio Lower Upper

50 100

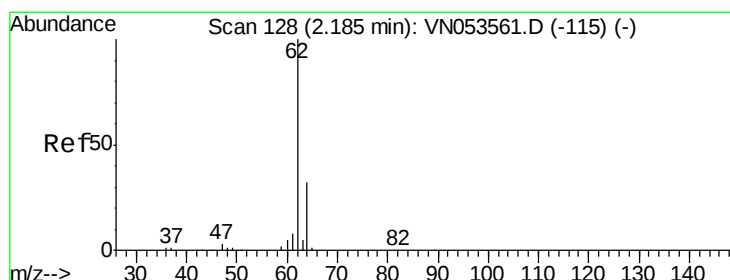
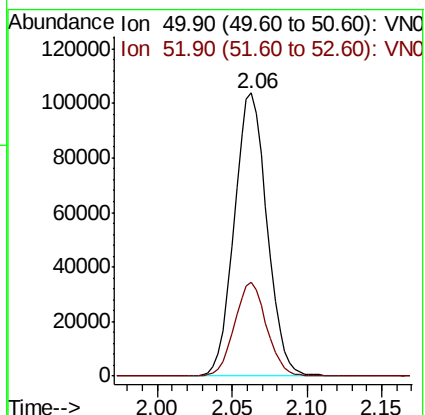
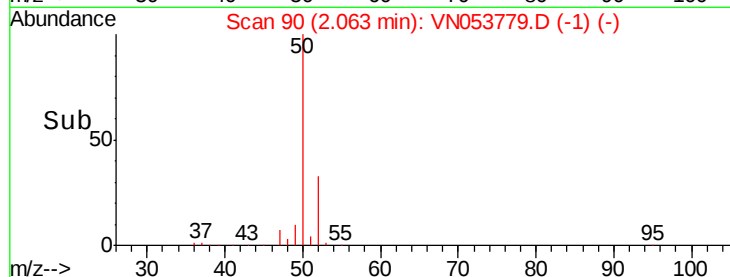
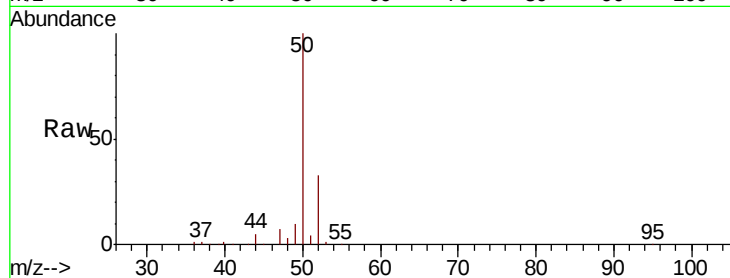
52 33.1 26.6 40.0

Manual Integrations

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2/15/2019 10:19:54 AM



#4

Vinyl Chloride

Concen: 21.471 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN053779.D

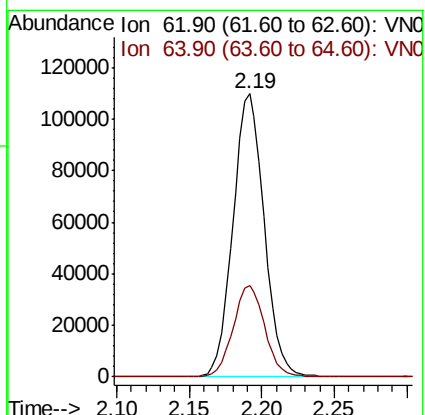
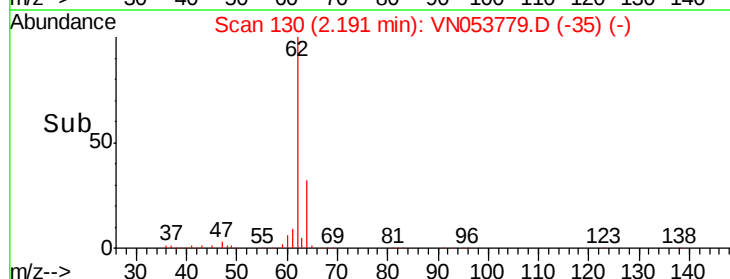
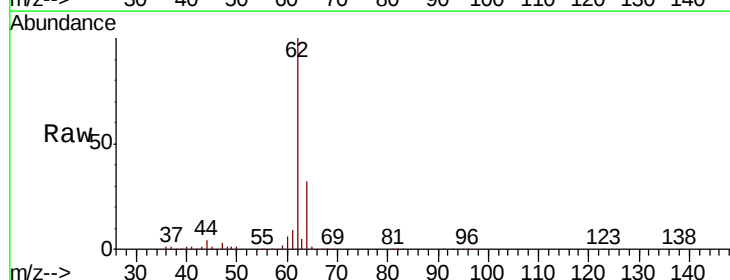
Acq: 14 Feb 2019 15:09

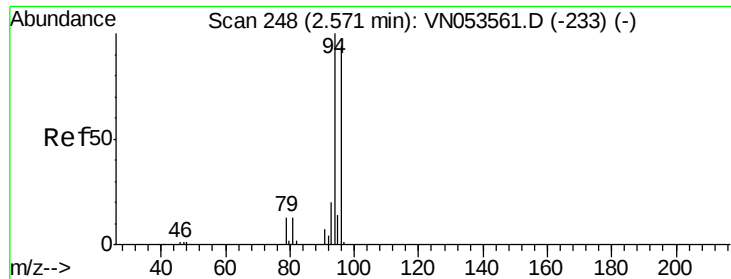
Tgt Ion: 62 Resp: 163798

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 21.664 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 94 Resp: 108061

Ion Ratio Lower Upper

94 100

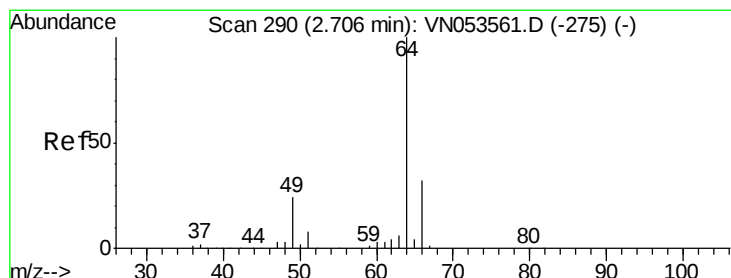
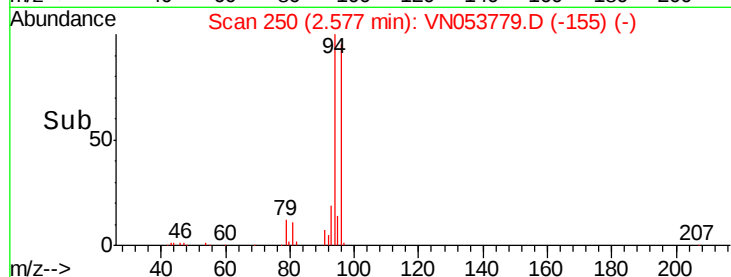
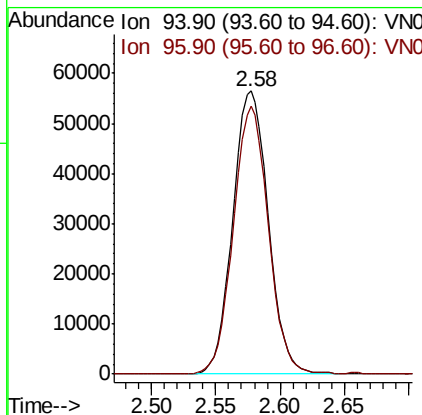
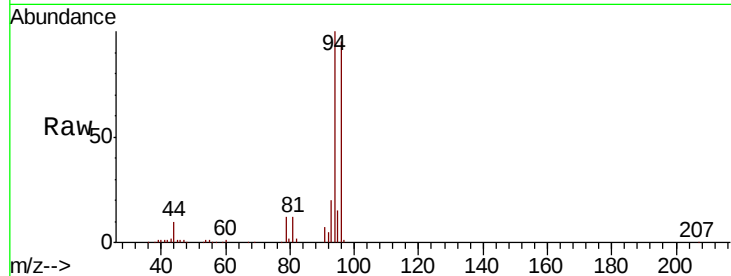
96 94.5 76.8 115.2

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#6

Chloroethane

Concen: 23.473 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053779.D

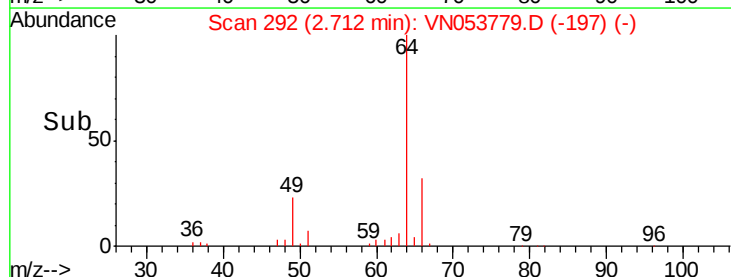
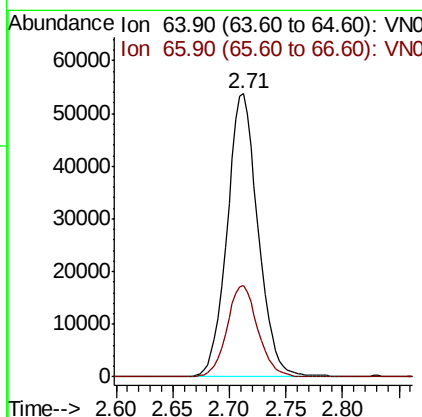
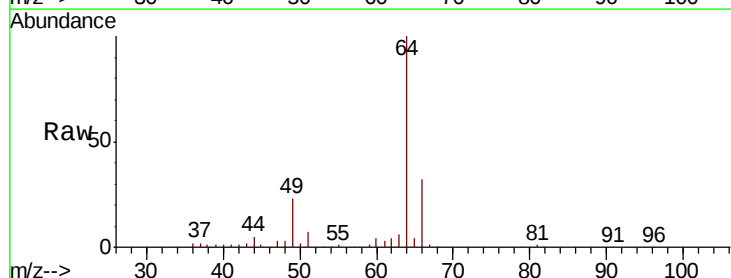
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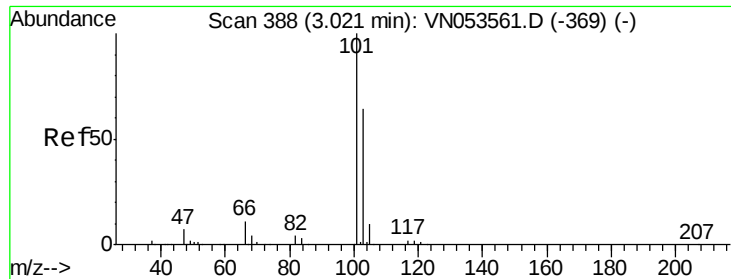
Tgt Ion: 64 Resp: 102329

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7





#7

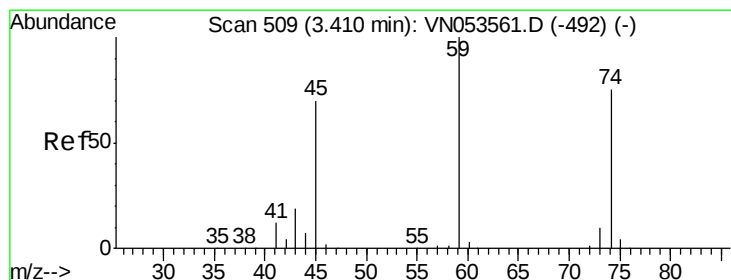
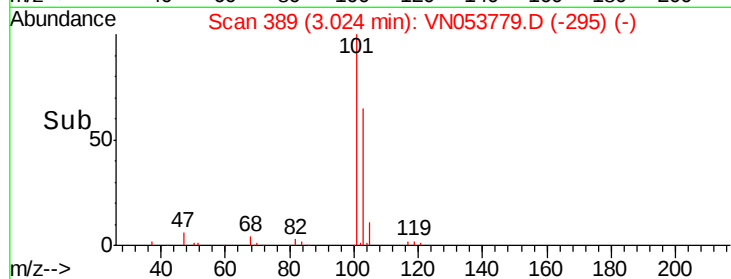
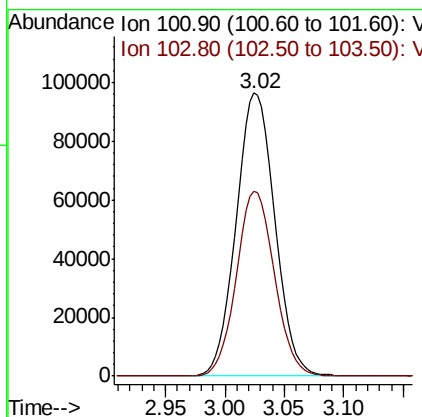
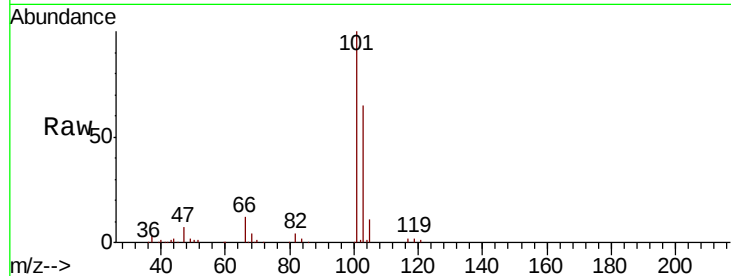
Trichlorofluoromethane
 Concen: 21.023 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
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 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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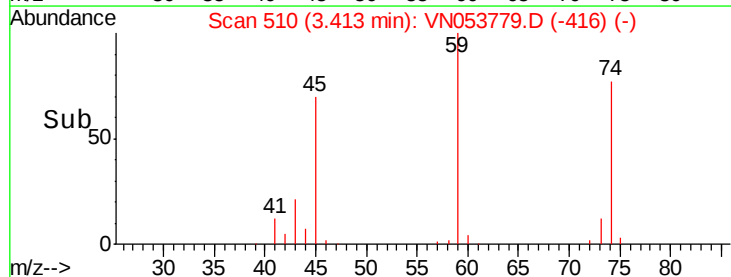
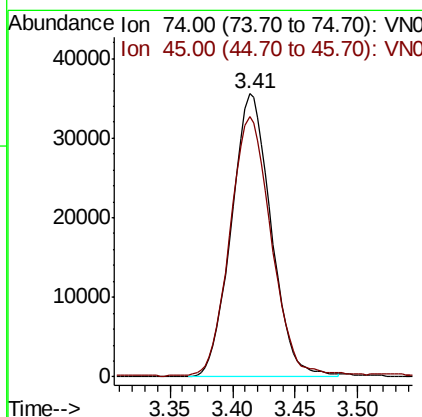
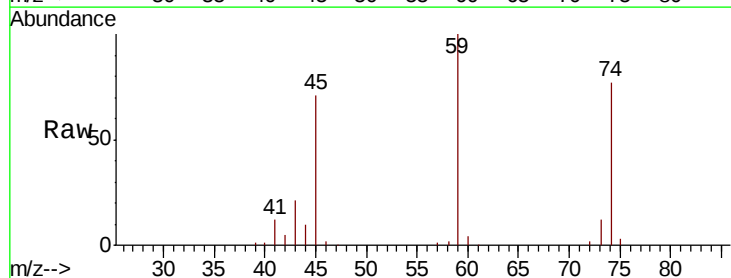
MMDadoda
 2/15/2019 10:19:54 AM

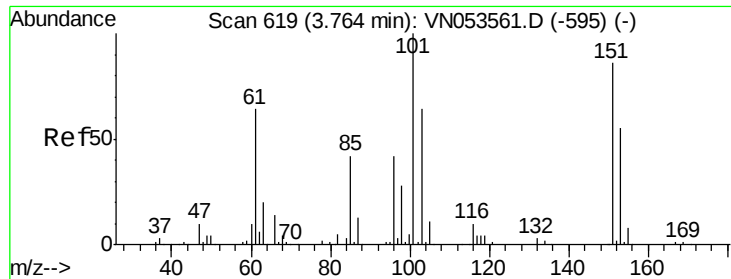


#8

Diethyl Ether
 Concen: 20.705 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.9	143.7





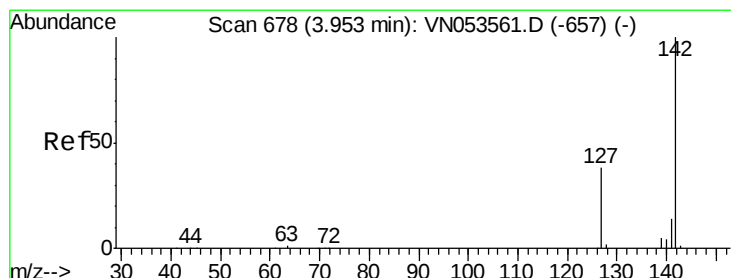
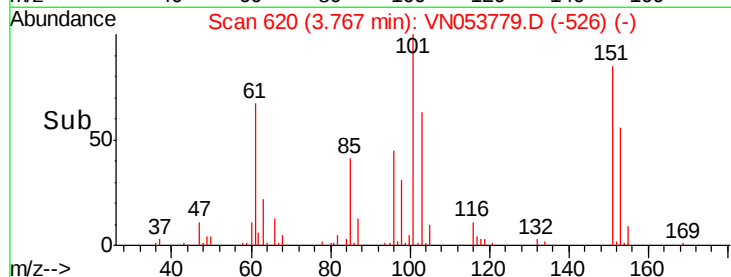
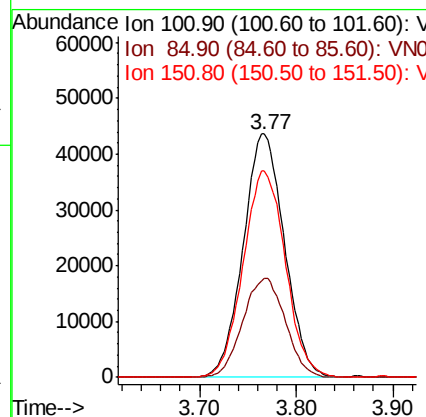
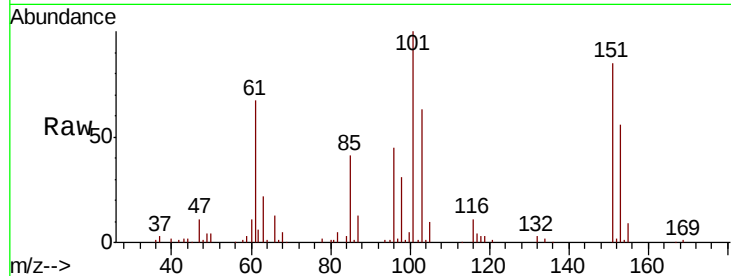
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.200 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	129241		
85	41.9	32.8	49.2	
151	86.9	66.9	100.3	

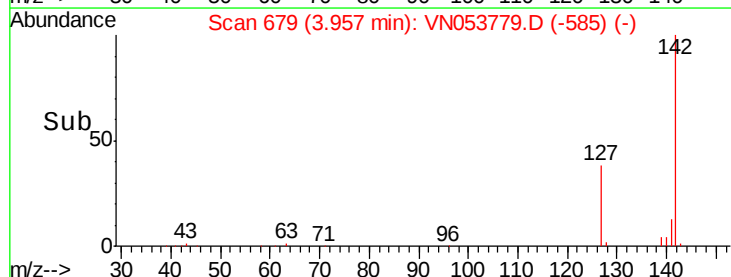
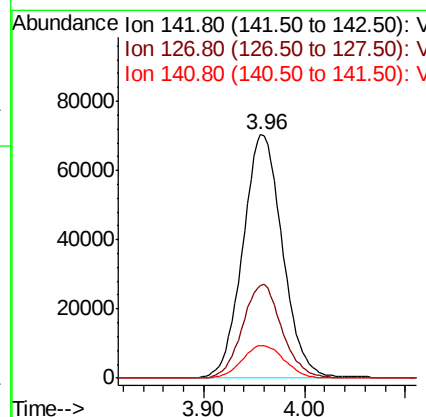
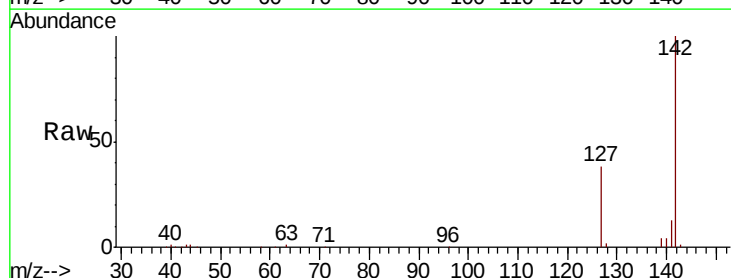
Manual Integrations
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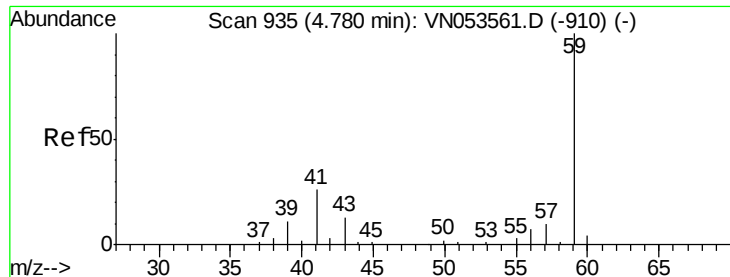
MMDadoda
 2/15/2019 10:19:54 AM



#10
 Methyl Iodide
 Concen: 19.086 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	191664		
127	38.4	31.0	46.4	
141	14.2	11.1	16.7	





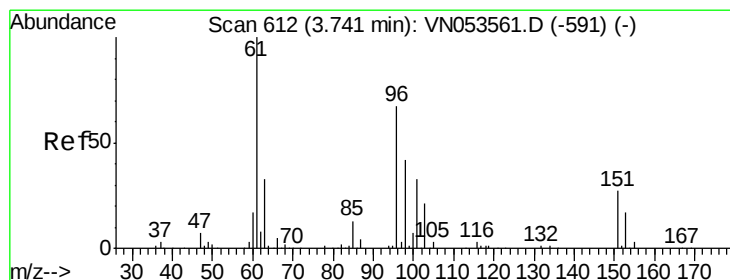
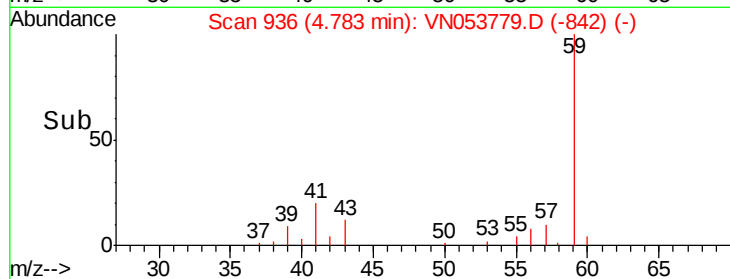
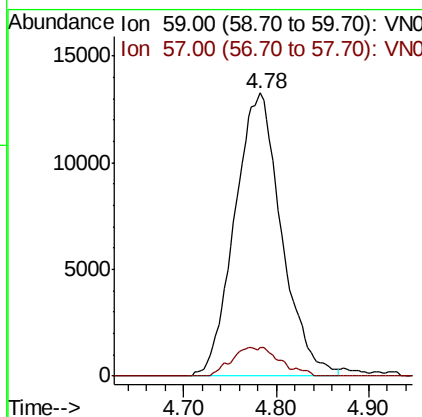
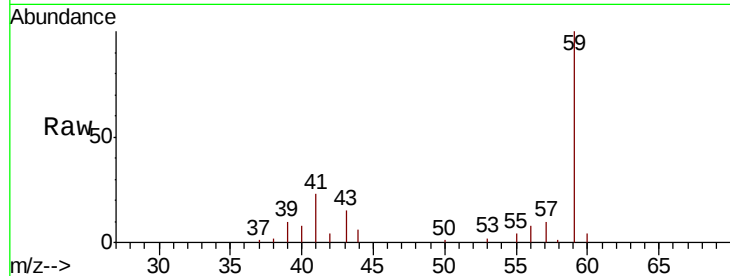
#11
Tert butyl alcohol
Concen: 118.326 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.2	12.4#

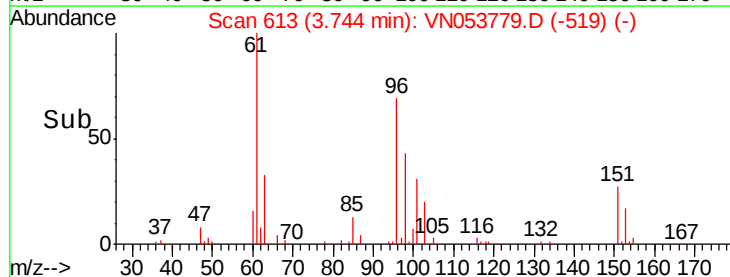
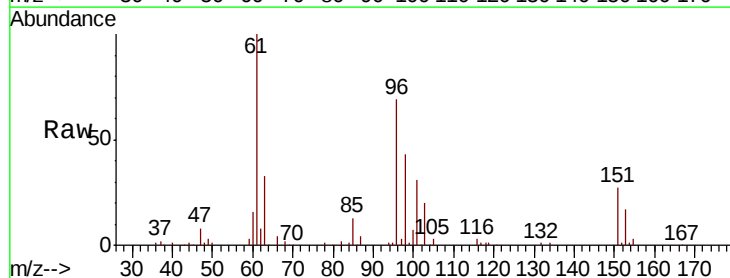
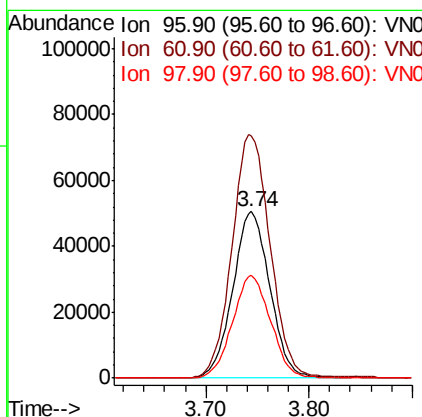
Manual Integrations
APPROVED

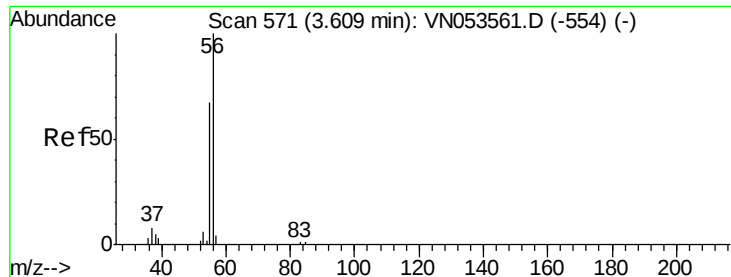
MMDadoda
2/15/2019 10:19:54 AM



#12
1,1-Dichloroethene
Concen: 20.691 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	122.9	184.3
98	61.9	49.4	74.0





#13

Acrolein

Concen: 129.903 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 56 Resp: 27796

Ion Ratio Lower Upper

56 100

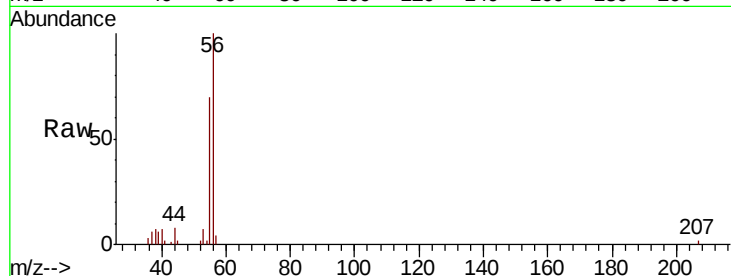
55 74.0 57.4 86.0

Manual Integrations

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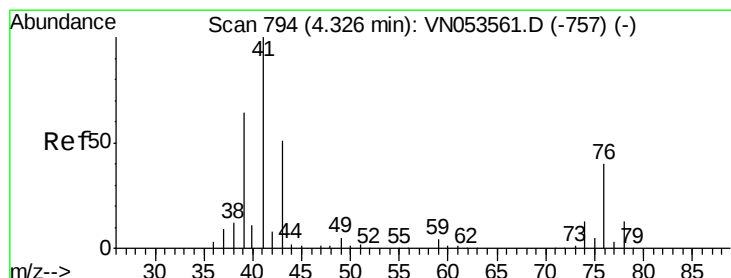
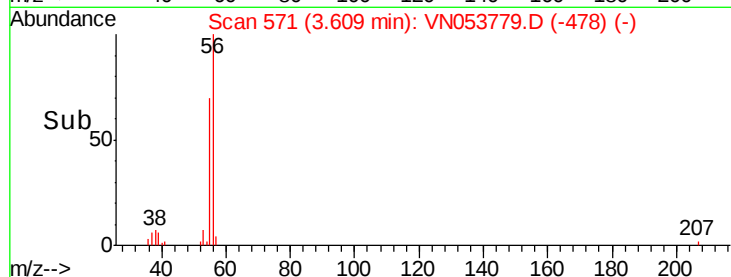
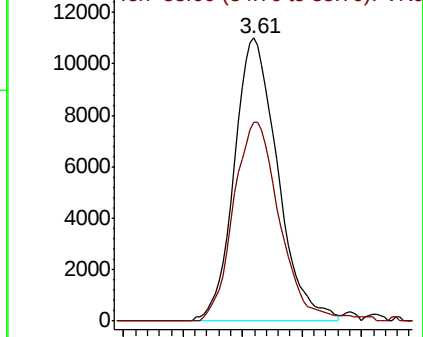
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.322 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

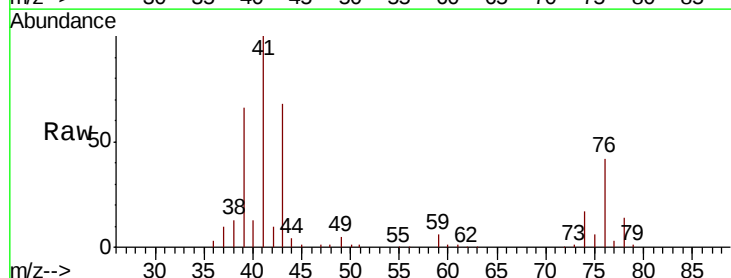
Tgt Ion: 41 Resp: 198342

Ion Ratio Lower Upper

41 100

39 61.3 48.9 73.3

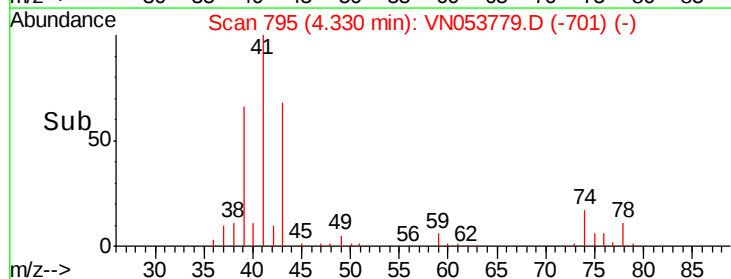
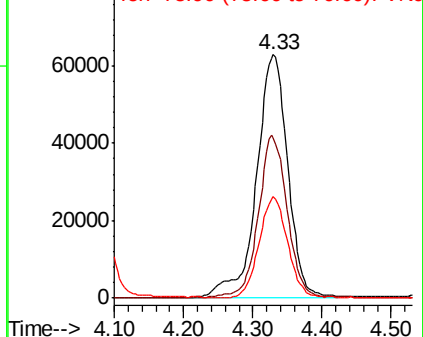
76 36.8 29.4 44.2

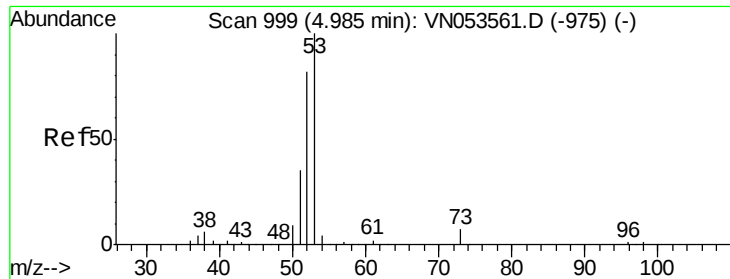


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 114.810 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

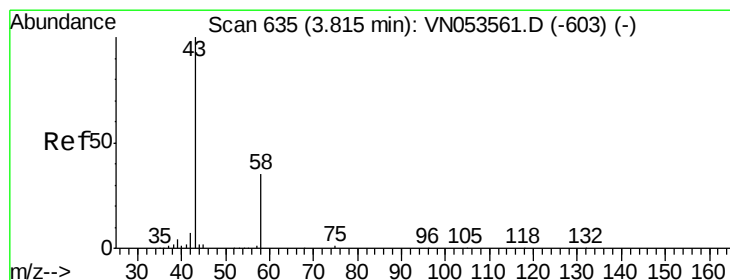
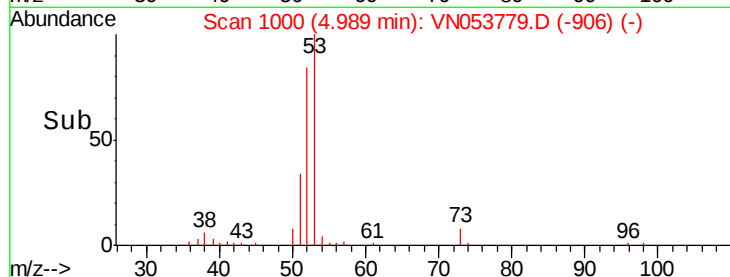
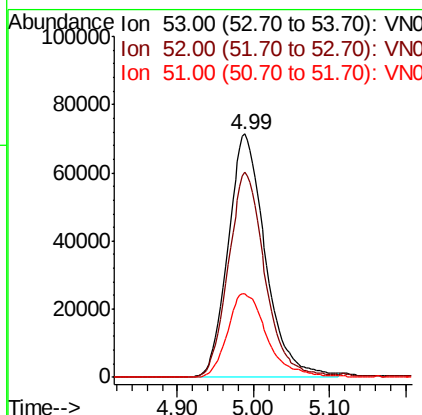
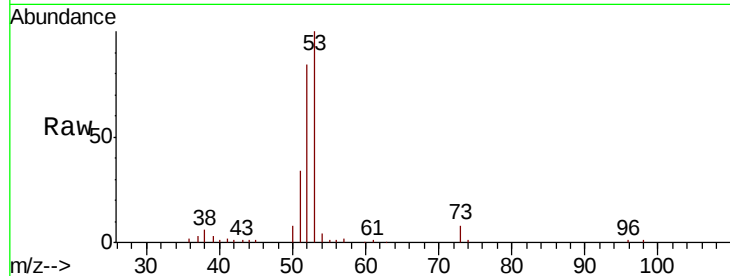
ClientSampleId :

VN0214WBSD01

Tot Ion:	53	Resp:	243585
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	36.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 99.644 ug/l

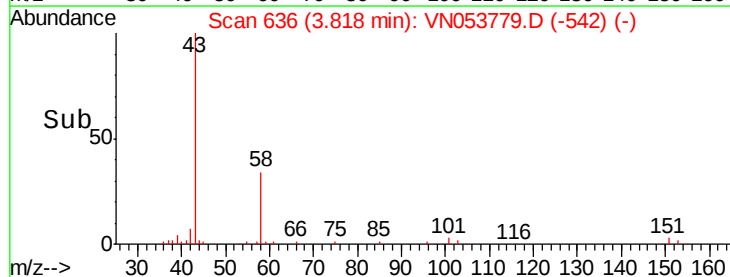
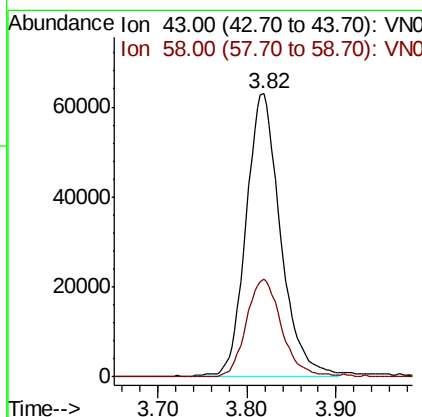
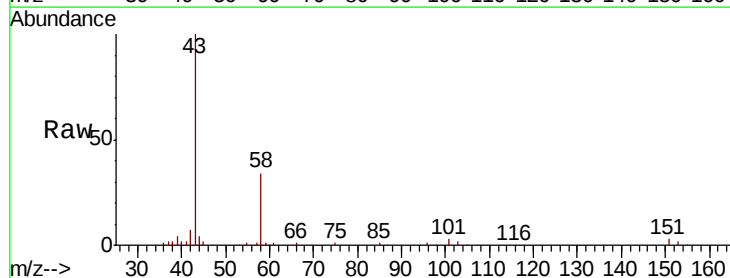
RT: 3.82 min Scan# 636

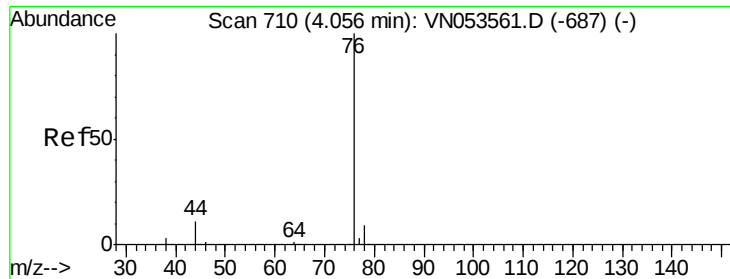
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:	43	Resp:	169727
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.1	40.7





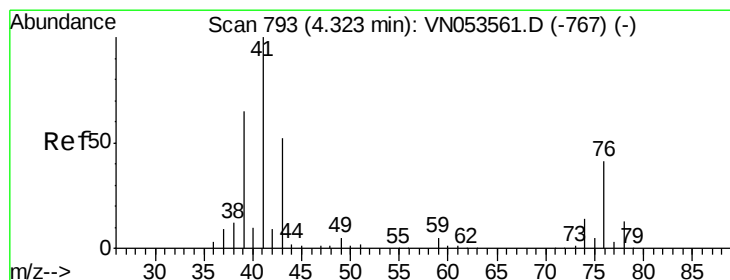
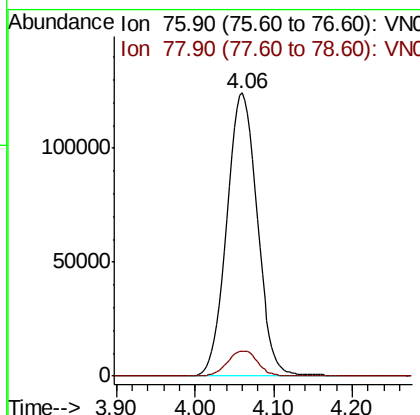
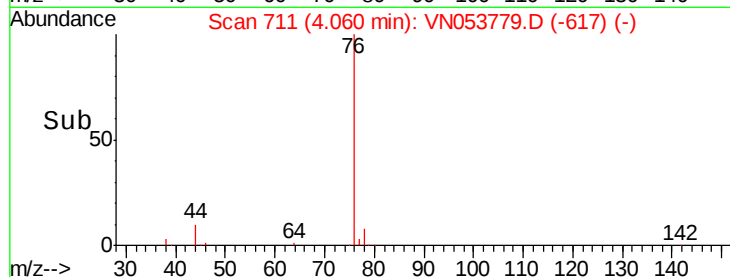
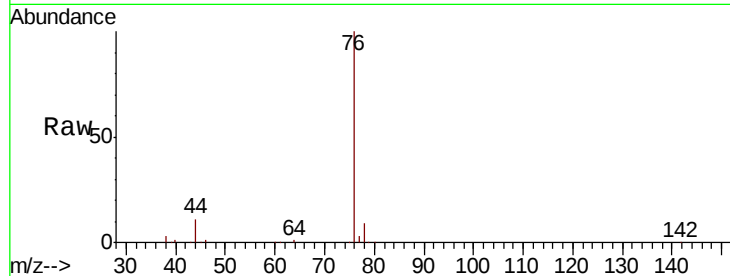
#17
Carbon Disulfide
Concen: 17.558 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion: 76 Resp: 335122
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

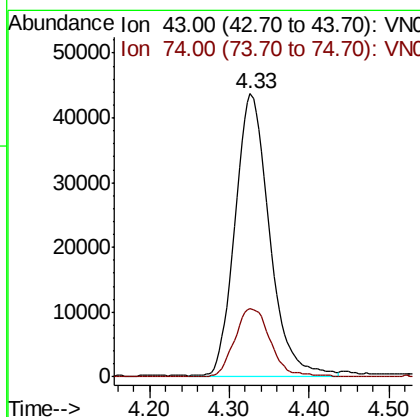
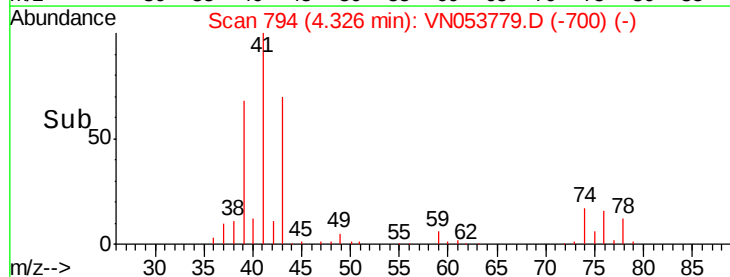
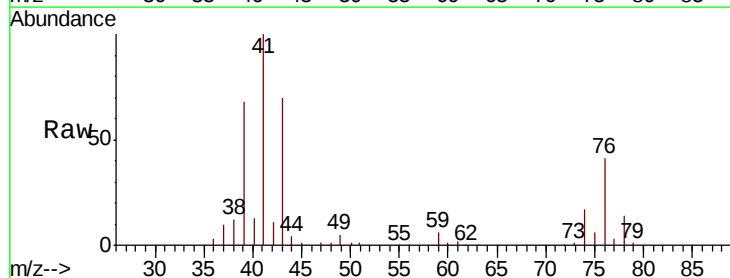
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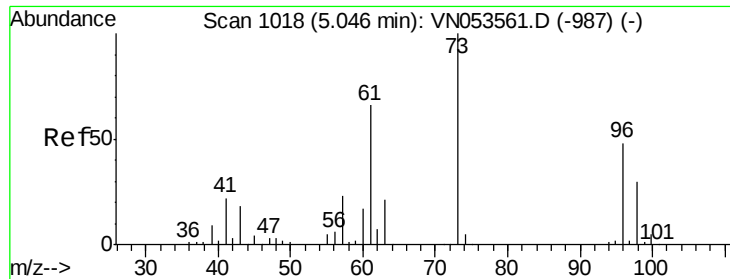
MMDadoda
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#18
Methyl Acetate
Concen: 25.093 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 43 Resp: 126578
Ion Ratio Lower Upper
43 100
74 25.3 19.4 29.2





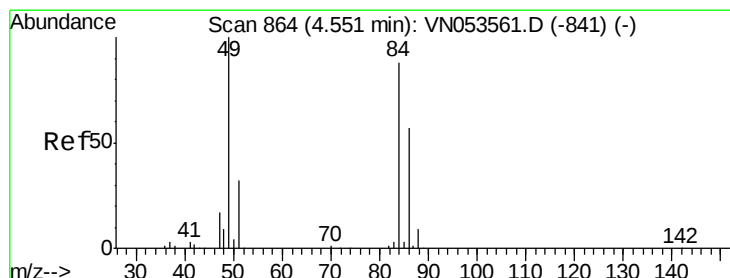
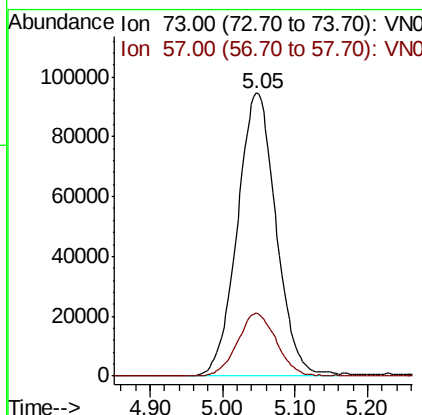
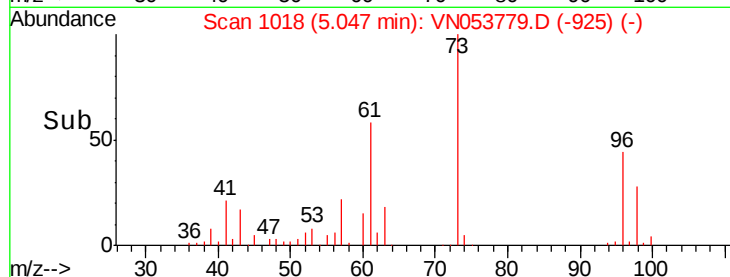
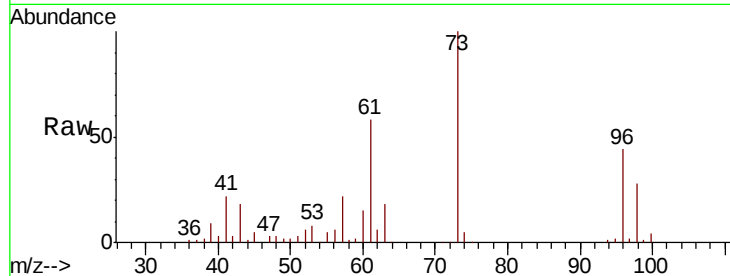
#19
Methvl tert-butvl Ether
Concen: 22.634 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion: 73 Resp: 351718
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

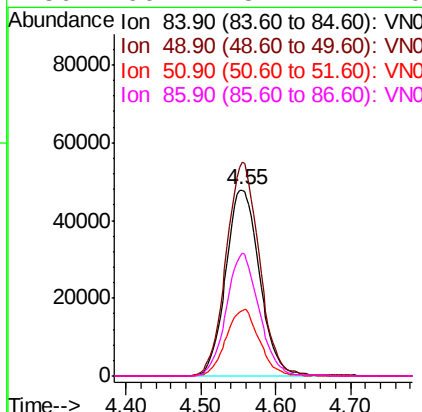
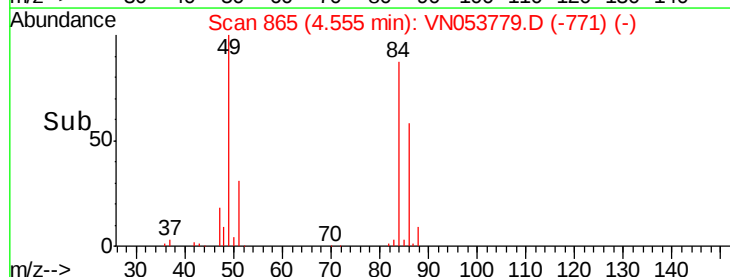
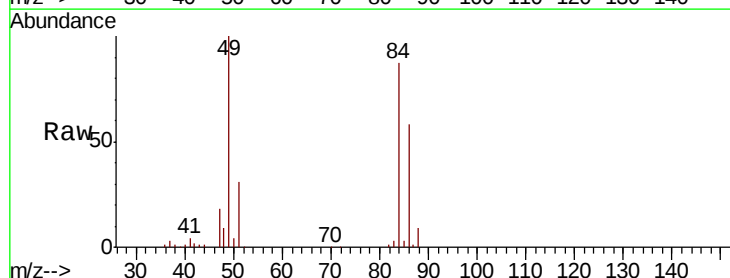
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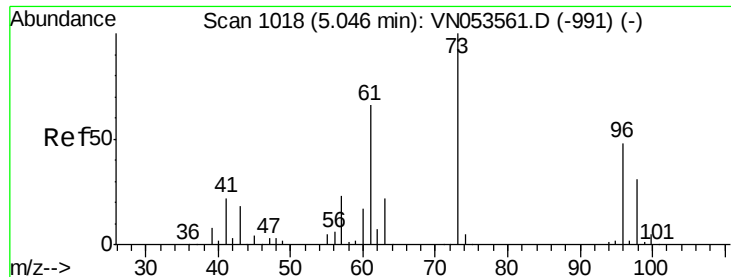
MMDadoda
2/15/2019 10:19:54 AM



#20
Methylene Chloride
Concen: 21.026 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 84 Resp: 150257
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 35.1 29.4 44.2
86 66.2 51.4 77.0





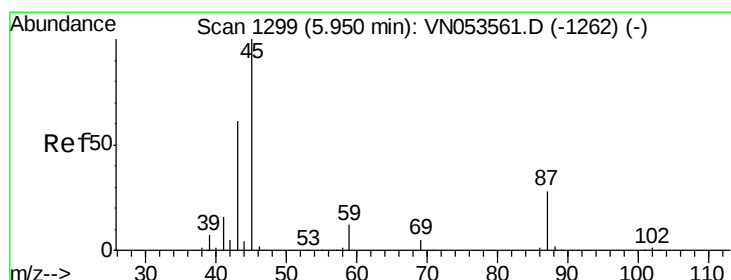
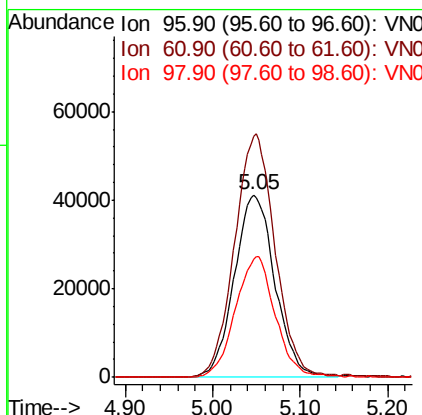
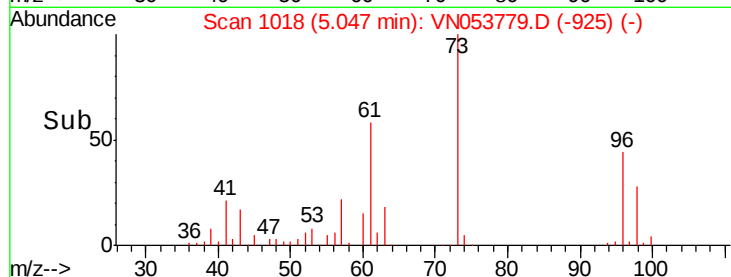
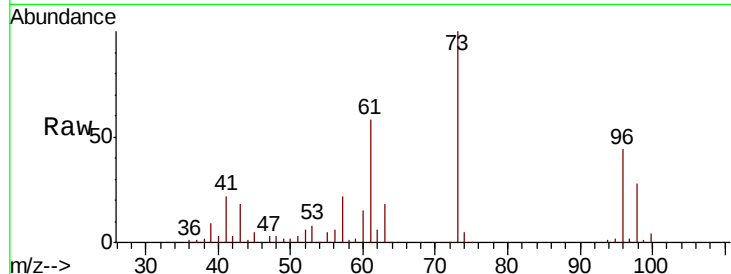
#21
trans-1,2-Dichloroethene
Concen: 20.049 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	110.1	165.1
98	64.6	50.0	75.0

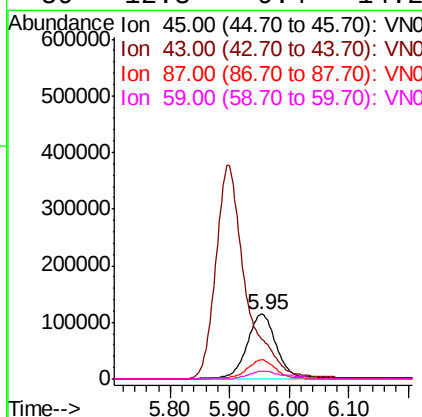
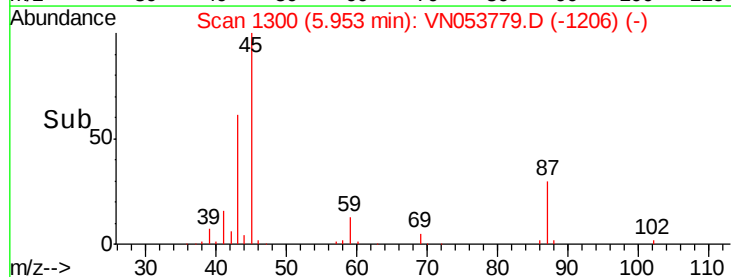
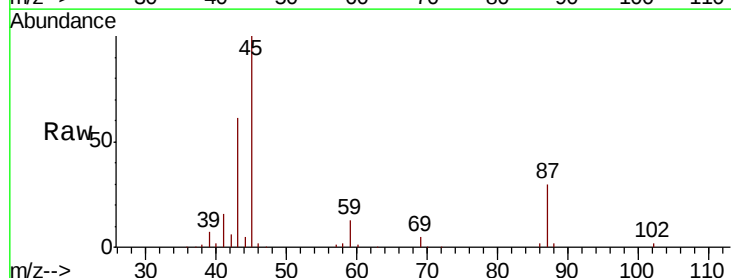
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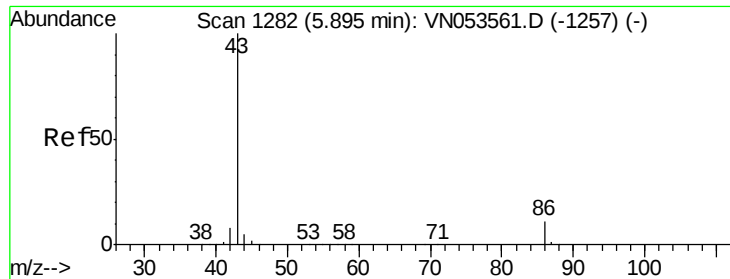
MMDadoda
2/15/2019 10:19:54 AM



#22
Diisopropyl ether
Concen: 22.356 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	44.2	66.4
87	29.0	22.7	34.1
59	12.3	9.4	14.2





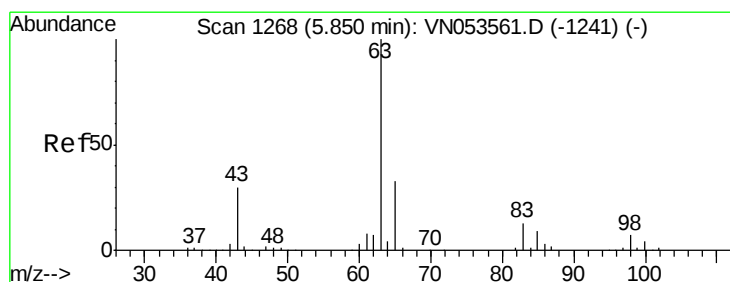
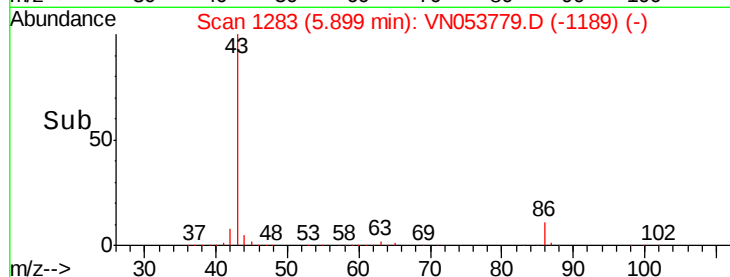
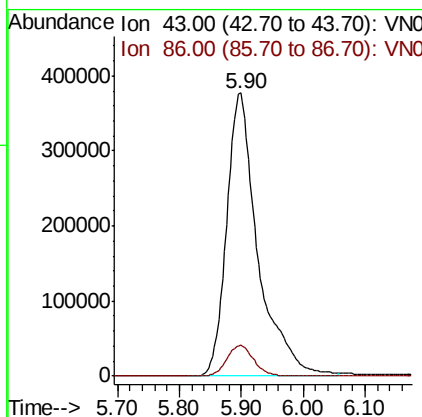
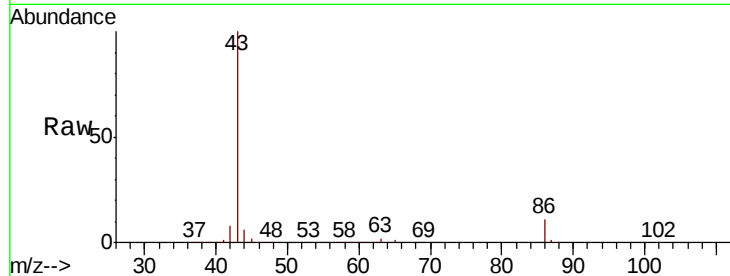
#23
 Vinyl Acetate
 Concen: 105.987 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion: 43 Resp: 1325945
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6

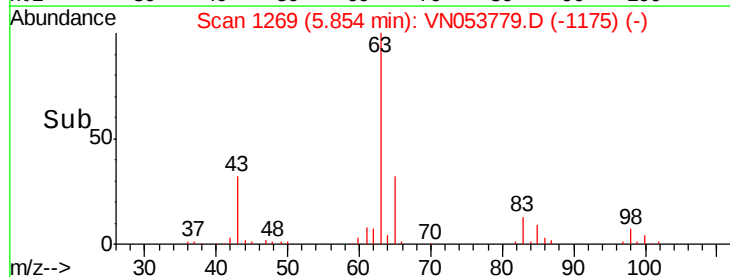
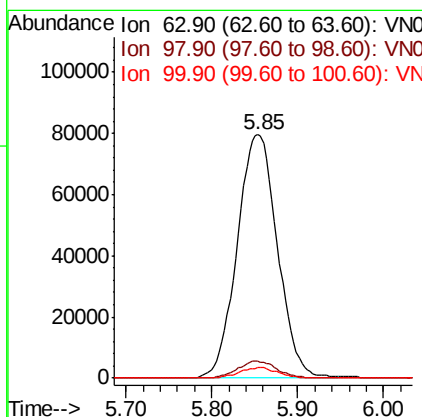
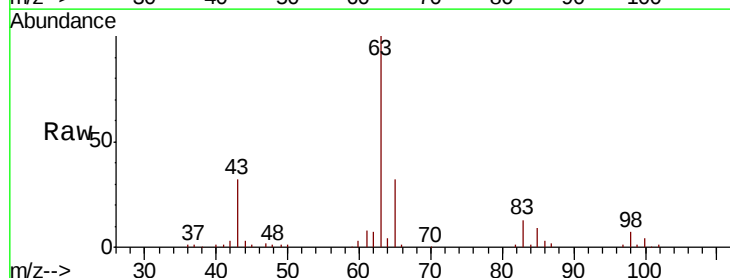
Manual Integrations
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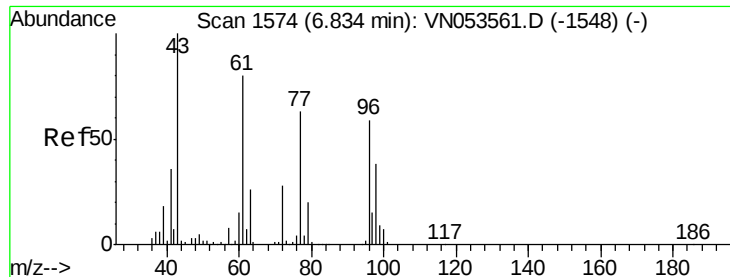
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.445 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion: 63 Resp: 258672
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 107.838 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

VN0214WBSD01

Tot Ion: 43 Resp: 261972

Ion Ratio Lower Upper

43 100

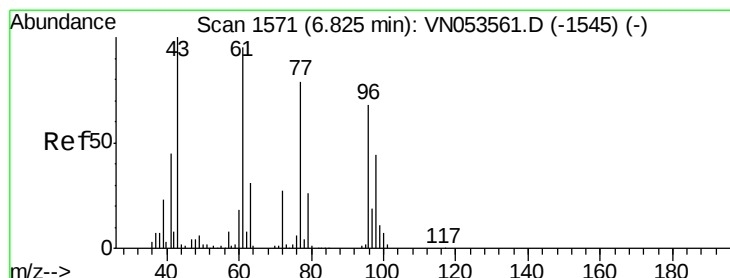
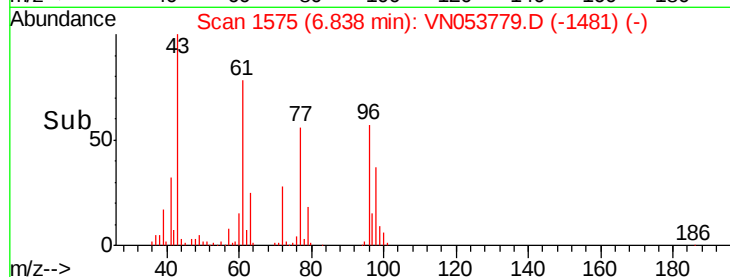
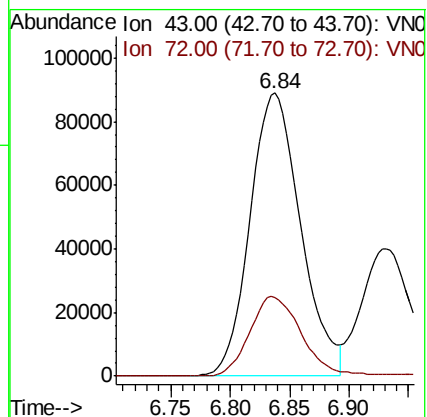
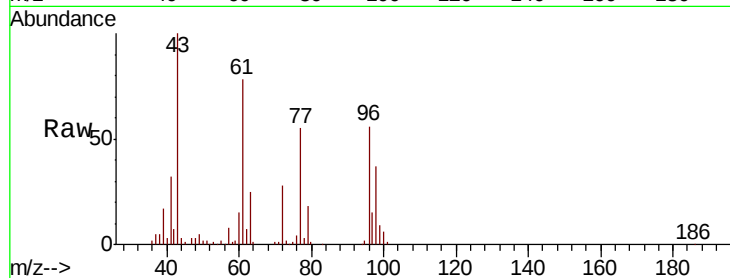
72 28.0 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.102 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053779.D

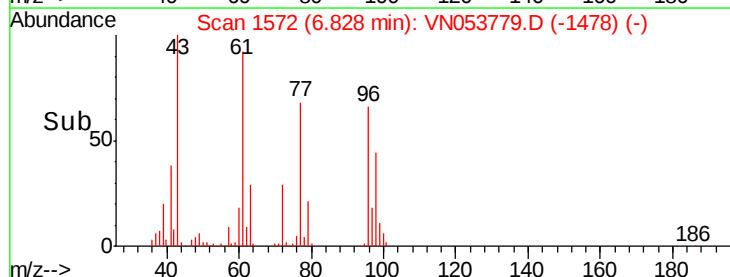
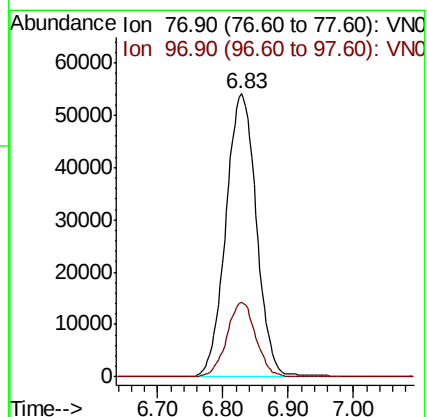
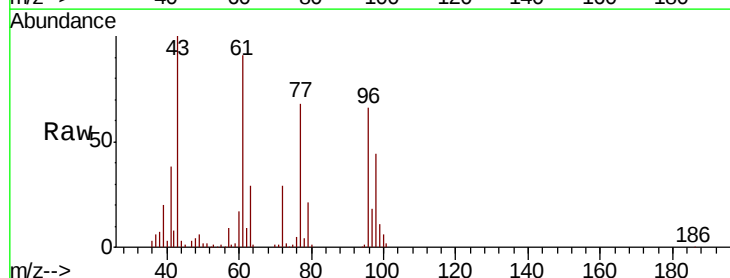
Acq: 14 Feb 2019 15:09

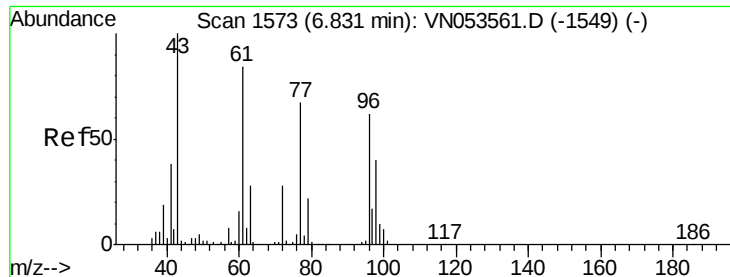
Tgt Ion: 77 Resp: 175887

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

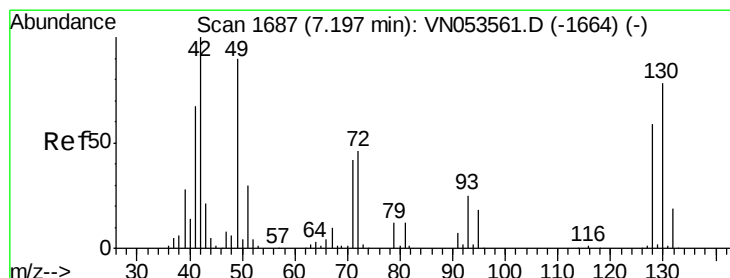
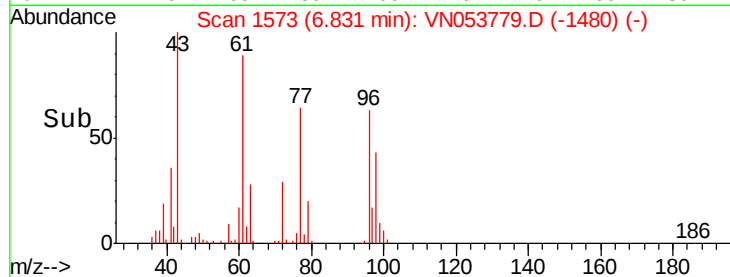
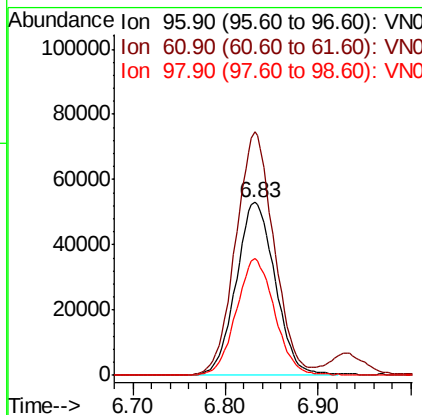
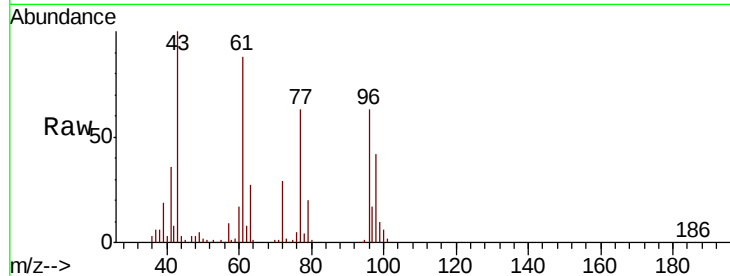
cis-1,2-Dichloroethene
 Concen: 21.056 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.0	0.0	283.8	
98	66.6	0.0	129.2	

Manual Integrations
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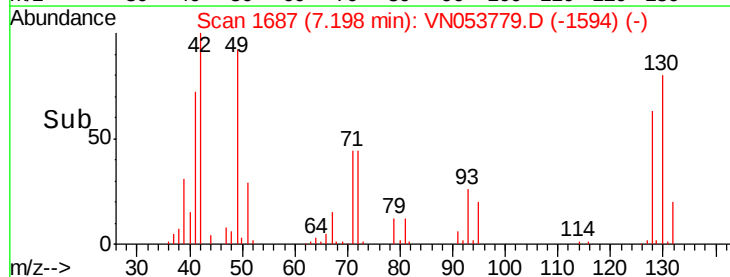
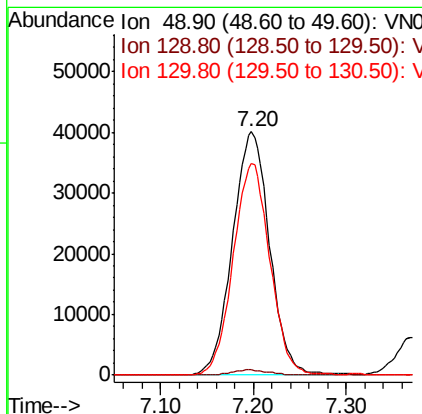
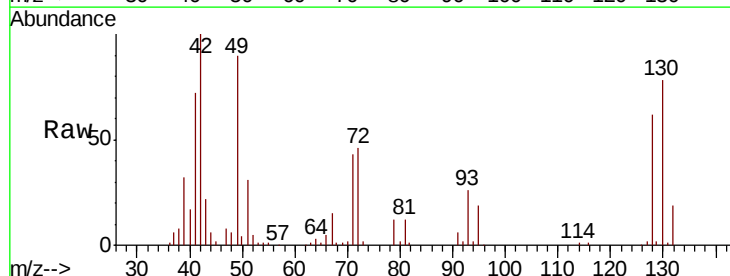
MMDadoda
 2/15/2019 10:19:54 AM

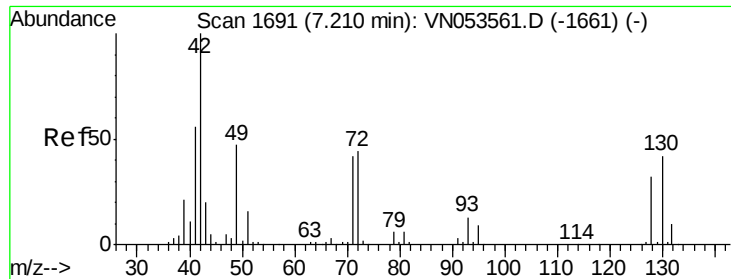


#28

Bromochloromethane
 Concen: 21.240 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	86.0	66.3	99.5	





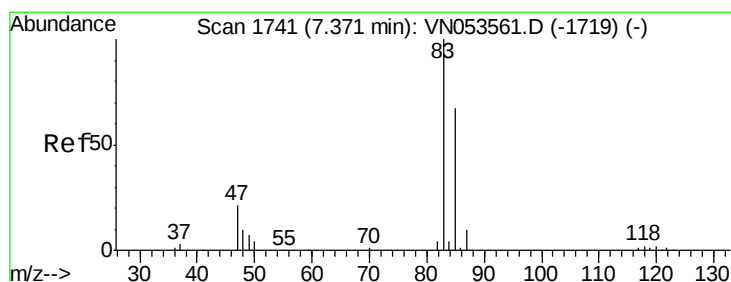
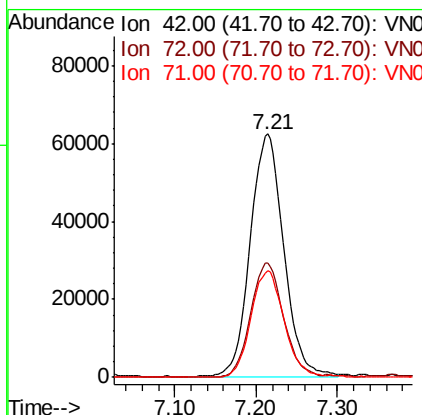
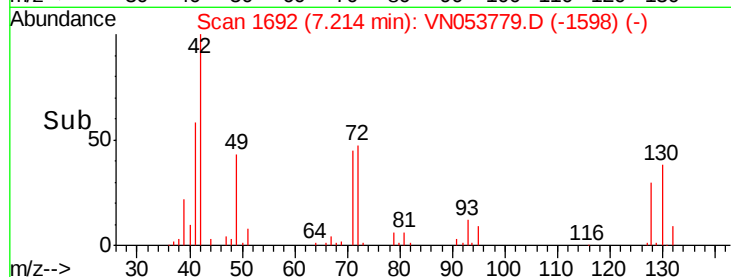
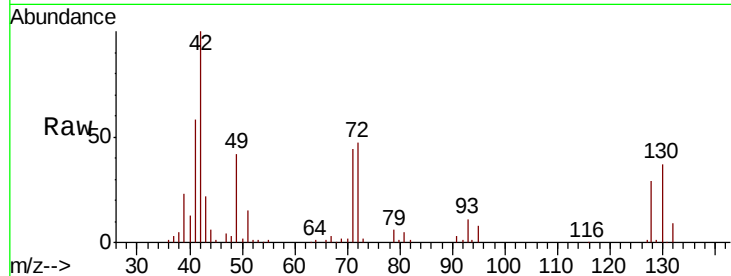
#29
Tetrahydrofuran
Concen: 113.238 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.2	52.8
71	43.5	33.0	49.4

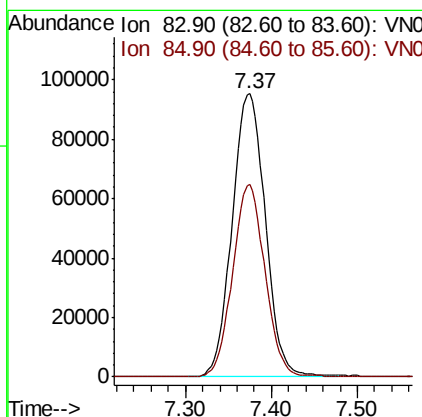
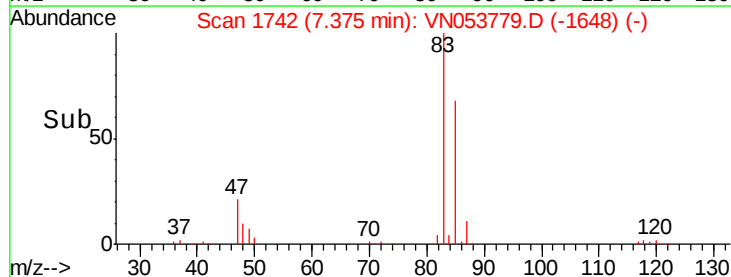
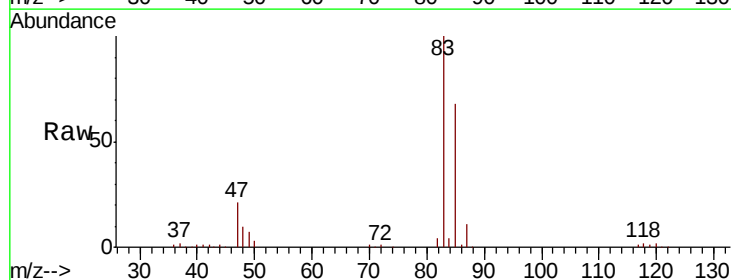
Manual Integrations
APPROVED

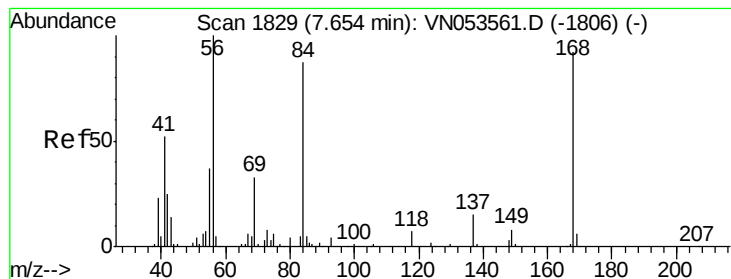
MMDadoda
2/15/2019 10:19:54 AM



#30
Chloroform
Concen: 21.385 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.2	78.2





#31

Cyclohexane

Concen: 18.745 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

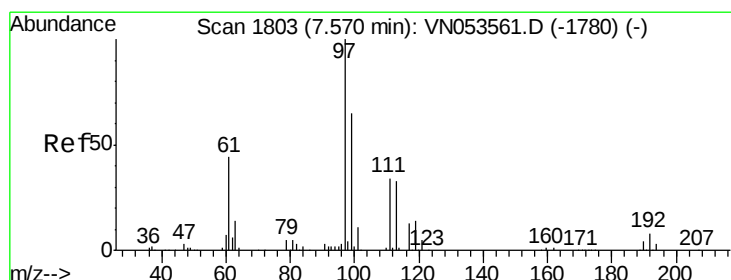
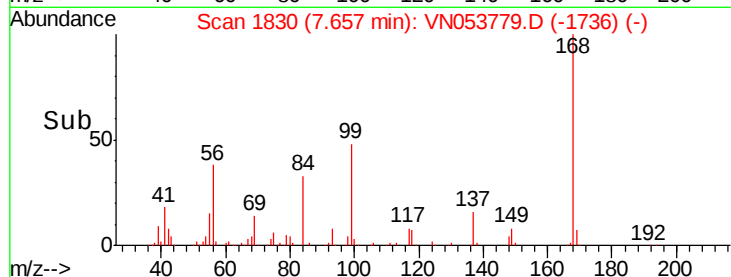
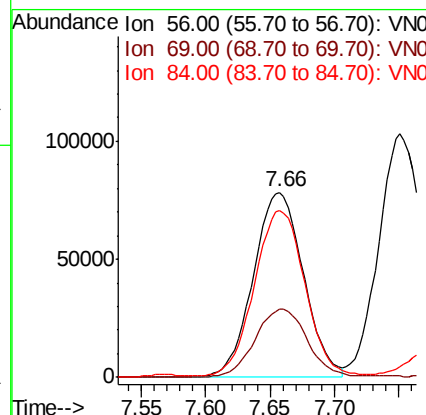
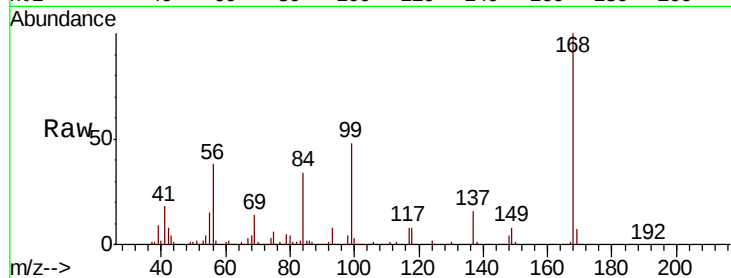
ClientSampleID :

VN0214WBSD01

Tot Ion:	56	Resp:	211699
Ion Ratio	Lower	Upper	
56	100		
69	36.8	26.4	39.6
84	89.4	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.462 ug/l

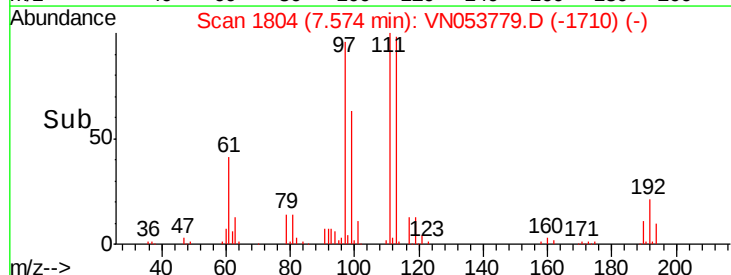
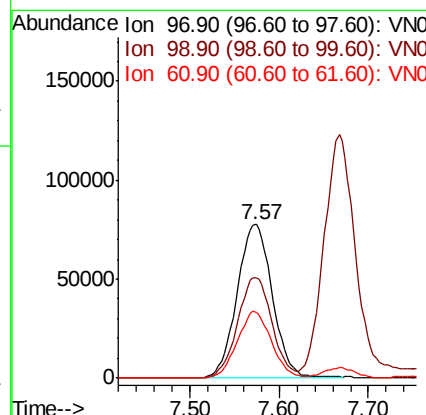
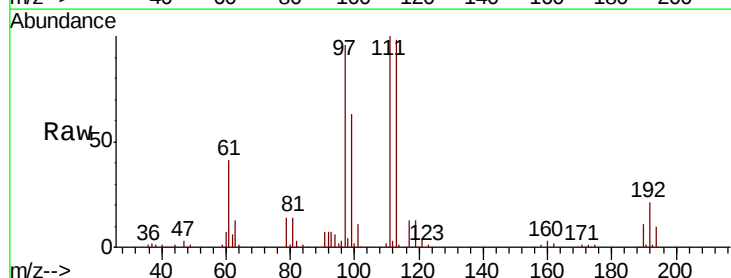
RT: 7.57 min Scan# 1804

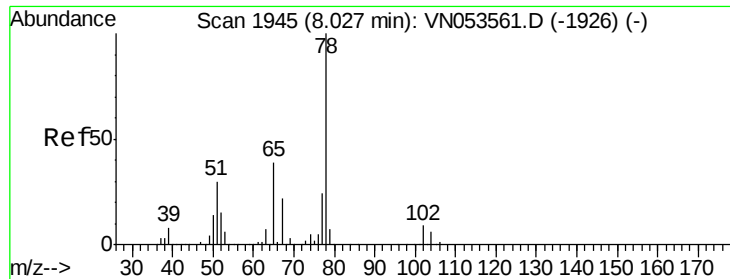
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:	97	Resp:	213568
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.0	78.0
61	42.0	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 54.917 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

VN0214WBSD01

Tot Ion: 65 Resp: 364680

Ion Ratio Lower Upper

65 100

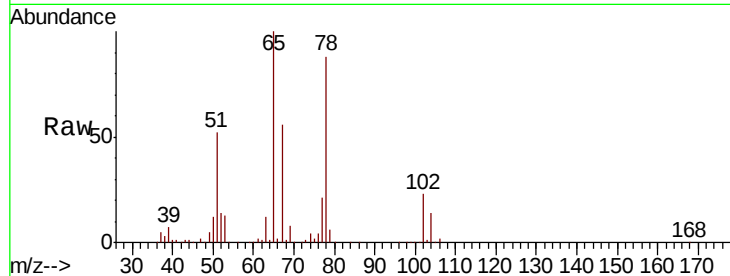
67 55.9 0.0 111.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

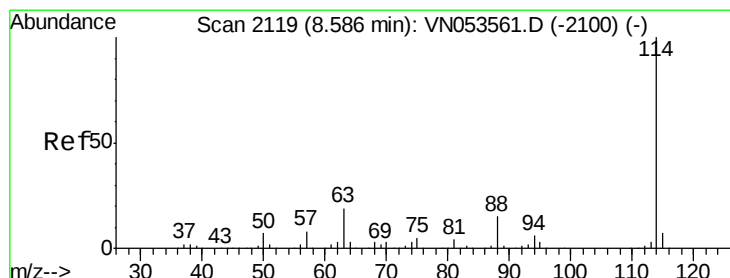
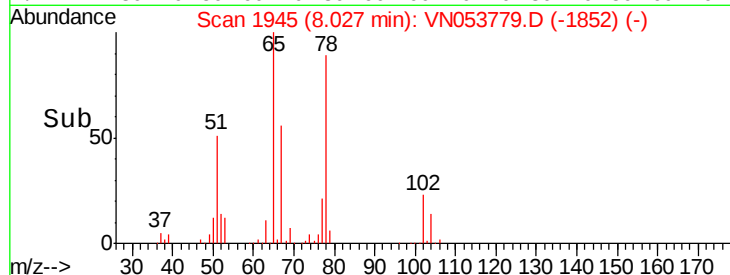
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

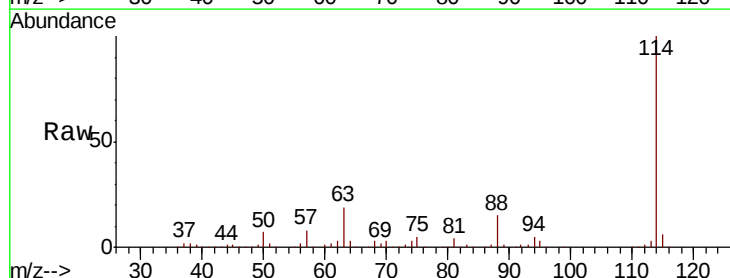
Tgt Ion: 114 Resp: 1055583

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

600000

500000

400000

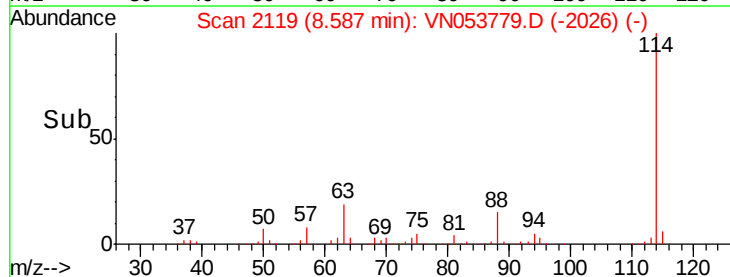
300000

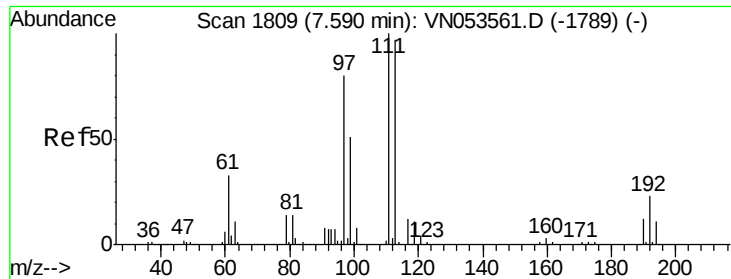
200000

100000

0

Time--> 8.40 8.60 8.80





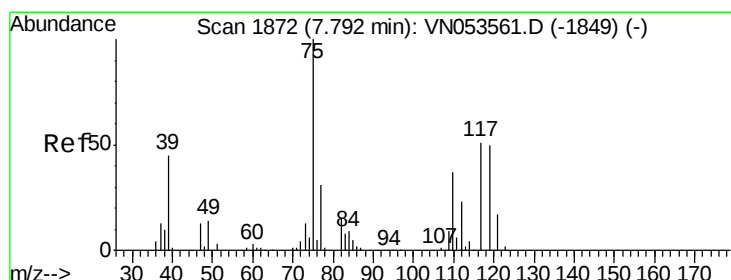
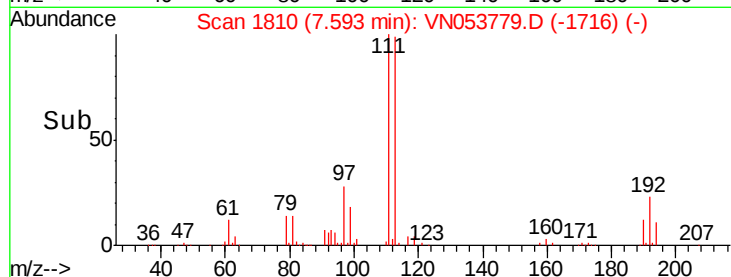
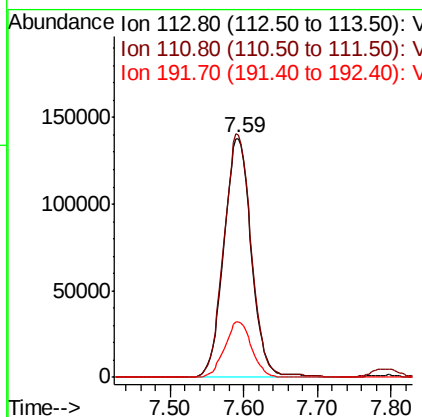
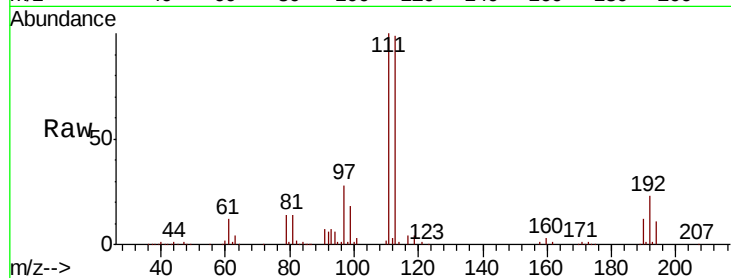
#35
 Dibromofluoromethane
 Concen: 53.469 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.1	121.7	
192	23.0	18.2	27.2	

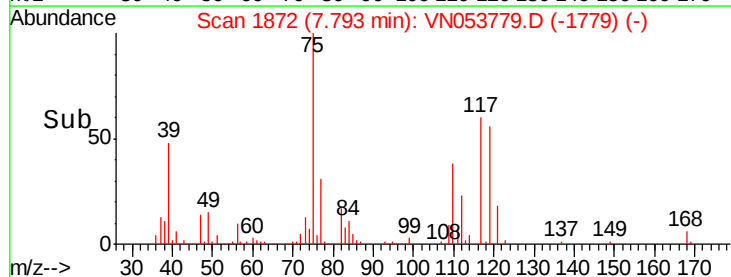
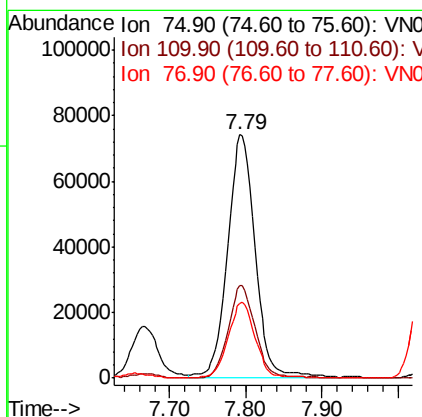
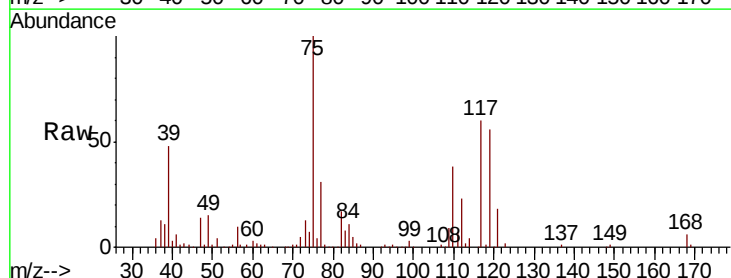
Manual Integrations
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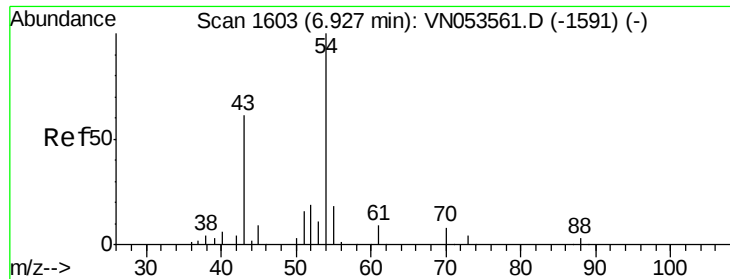
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#36
 1,1-Dichloropropene
 Concen: 19.586 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.1	54.3	
77	31.0	25.1	37.7	





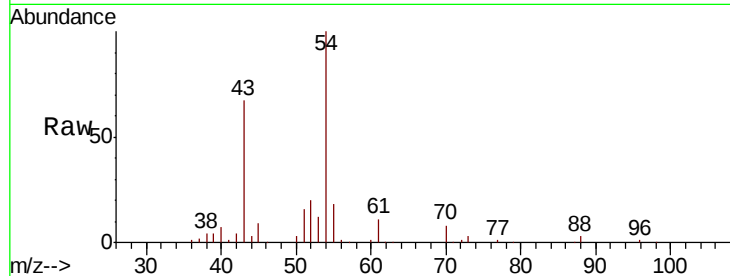
#37
Ethyl Acetate
Concen: 22.626 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.6
70	10.6	8.6	12.8

Manual Integrations
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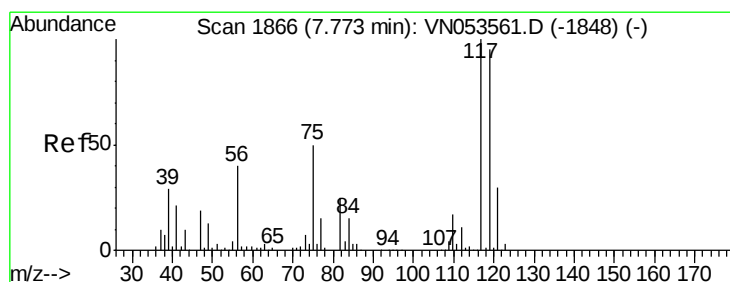
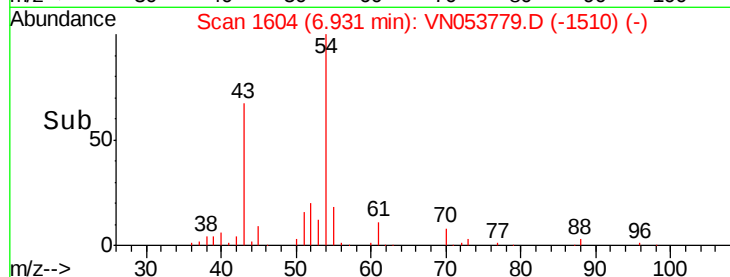
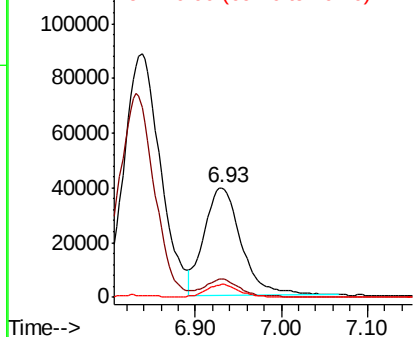


Abundance

Ion 43.00 (42.70 to 43.70): VN0

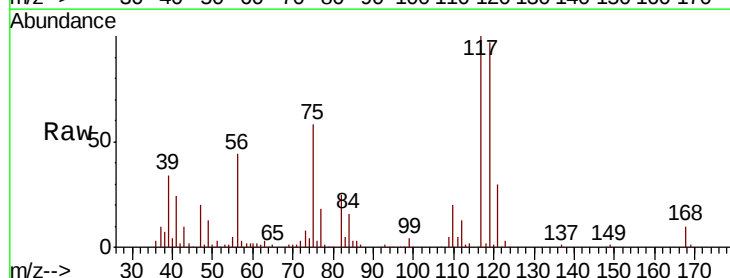
Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38
Carbon Tetrachloride
Concen: 19.545 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	29.8	24.6	37.0

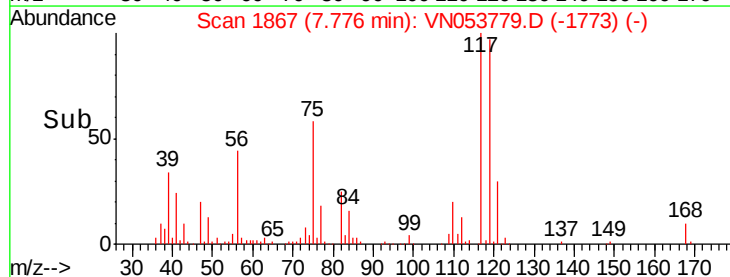
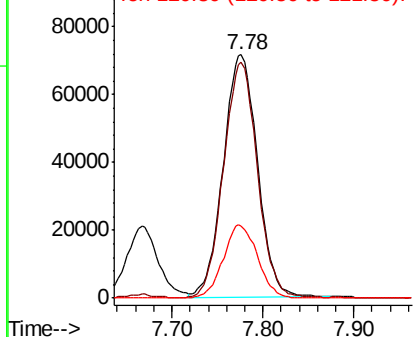


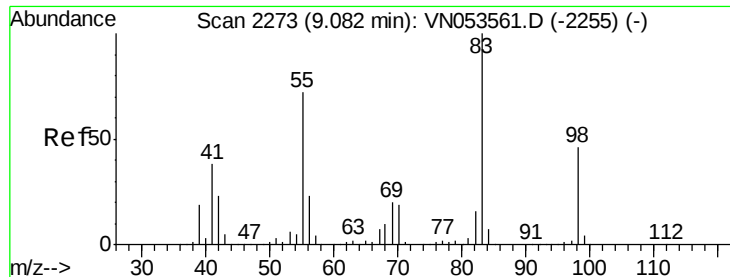
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





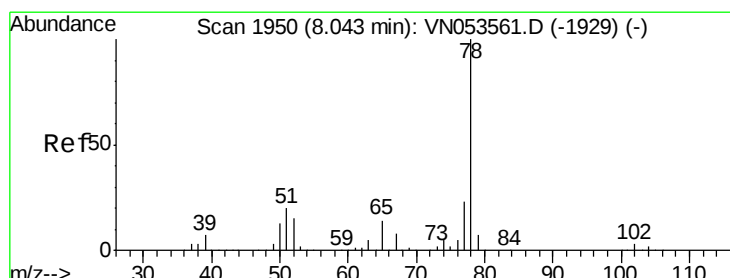
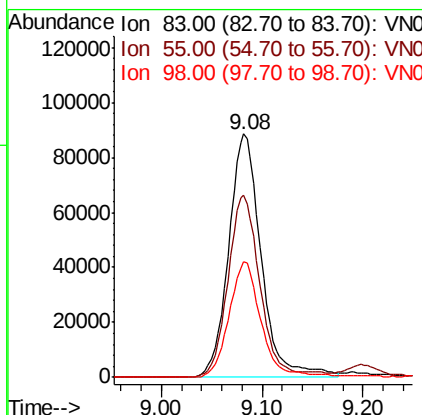
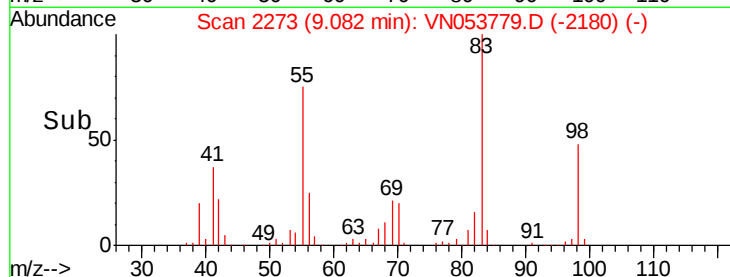
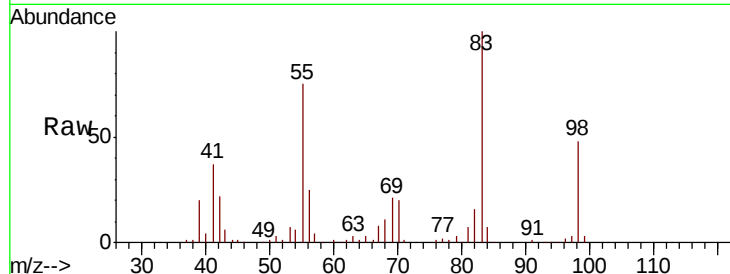
#39
Methvlcvclohexane
Concen: 17.644 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199179		
55	74.9		60.1	90.1
98	47.6		36.6	55.0

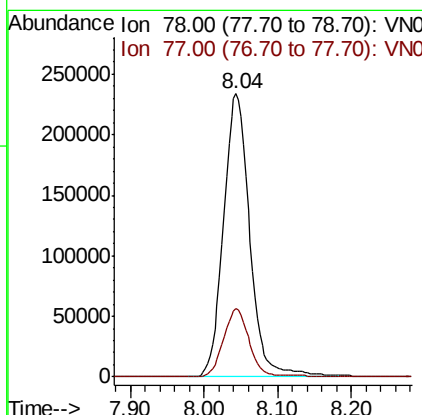
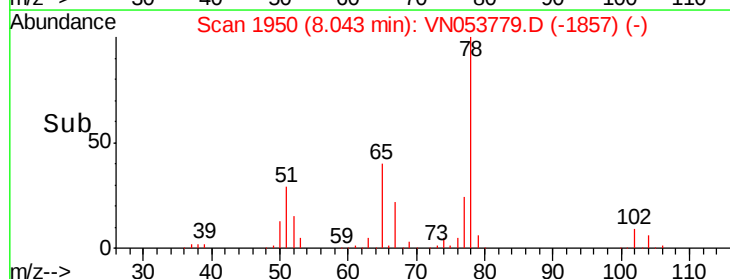
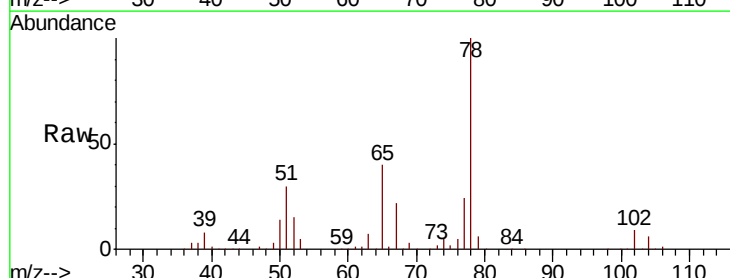
Manual Integrations
APPROVED

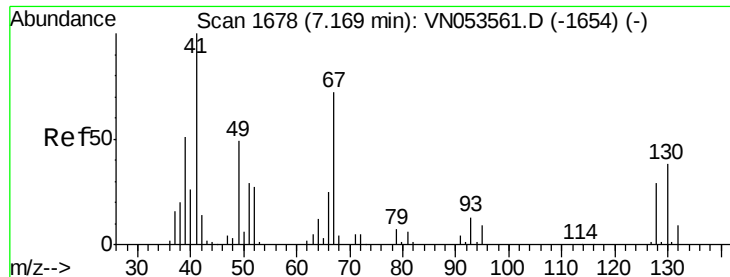
MMDadoda
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#40
Benzene
Concen: 19.772 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	580184		
77	24.0		18.8	28.2





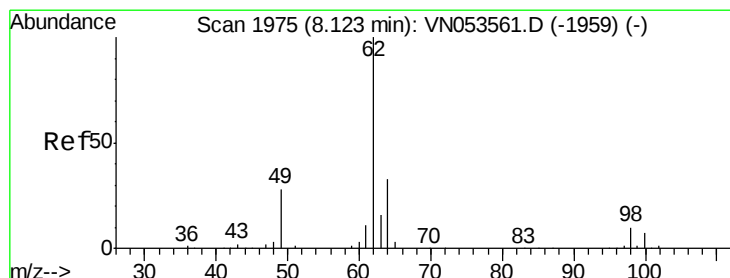
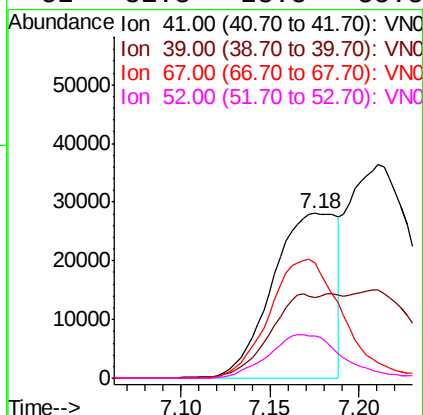
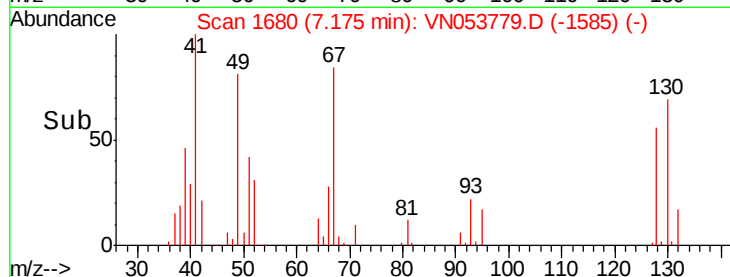
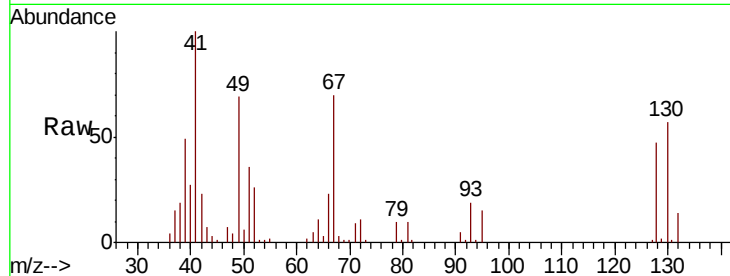
#41
Methacrylonitrile
Concen: 23.611 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion:	41	Resp:	70130
Ion Ratio	Lower	Upper	
41	100		
39	36.2	46.8	70.2#
67	83.5	63.0	94.6
52	31.3	23.8	35.8

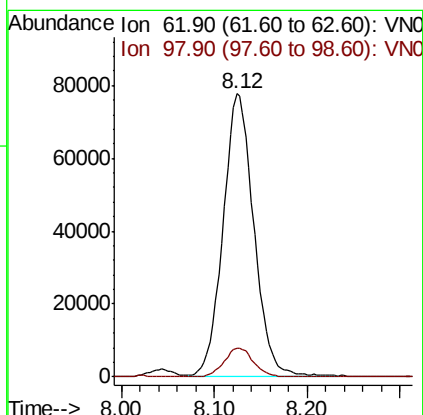
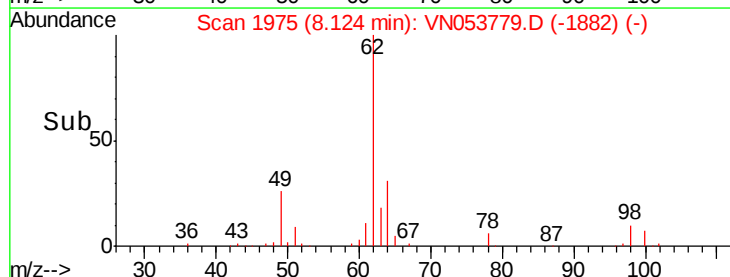
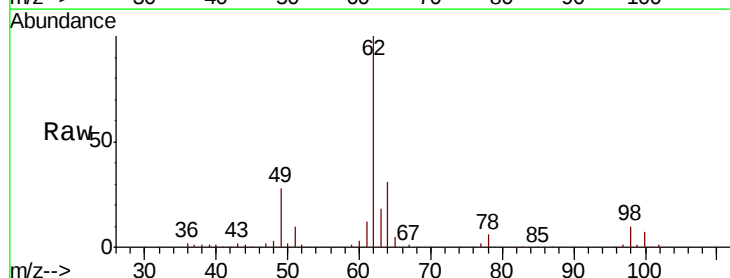
Manual Integrations
APPROVED

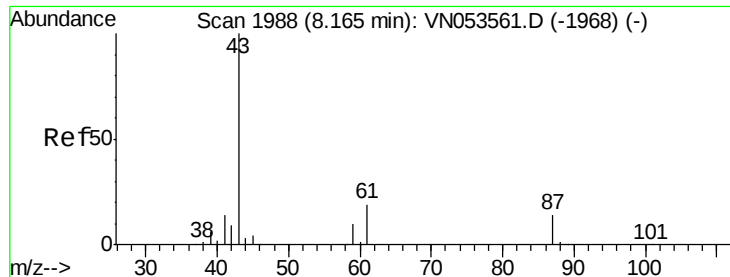
MMDadoda
2/15/2019 10:19:54 AM



#42
1,2-Dichloroethane
Concen: 20.400 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion:	62	Resp:	177733
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.529 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

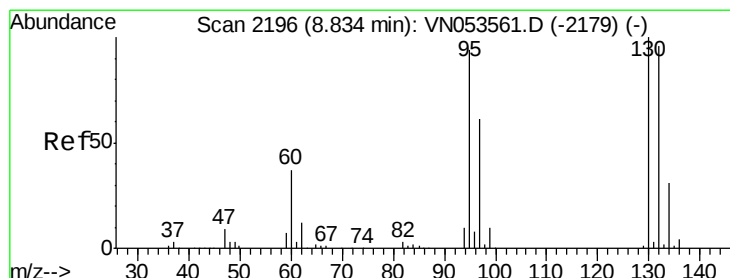
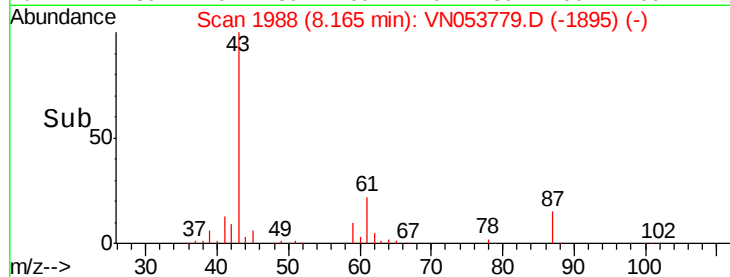
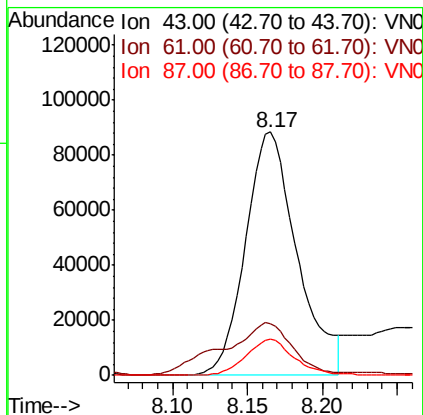
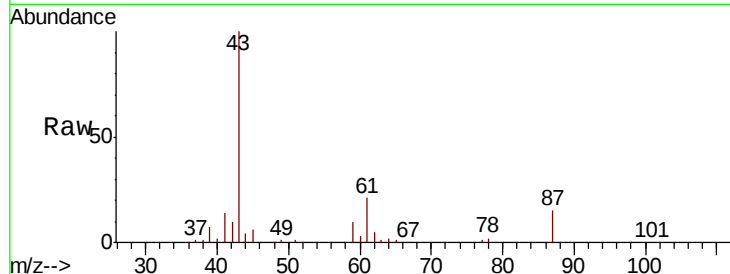
ClientSampleId :

VN0214WBSD01

Tot Ion:	43	Resp:	210697
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.9	35.9
87	14.1	11.0	16.6

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#44

Trichloroethene

Concen: 18.439 ug/l

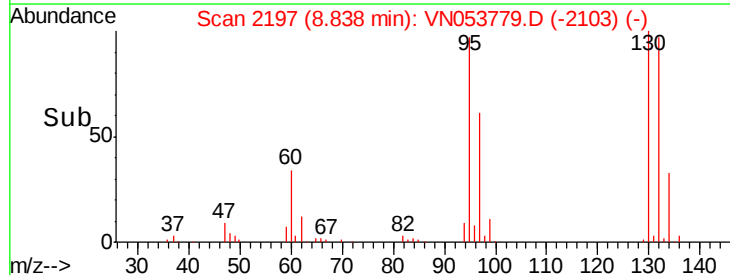
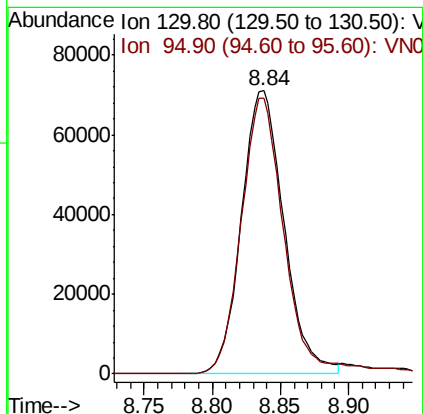
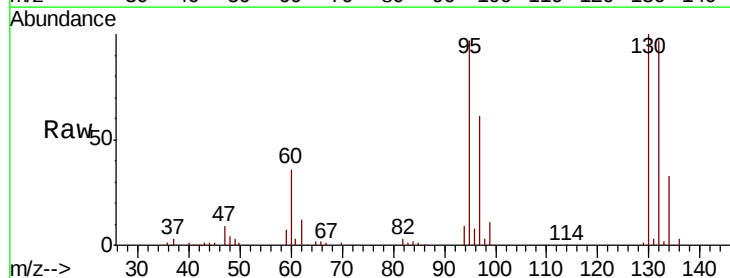
RT: 8.84 min Scan# 2197

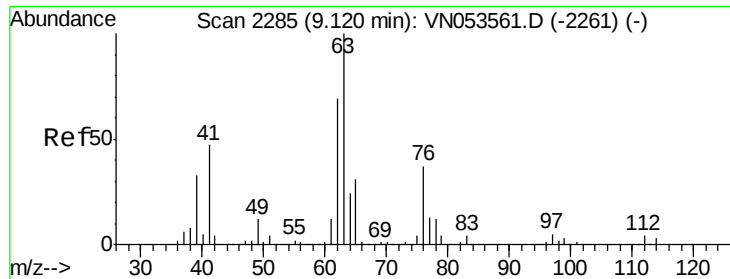
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:	130	Resp:	154035
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	191.4





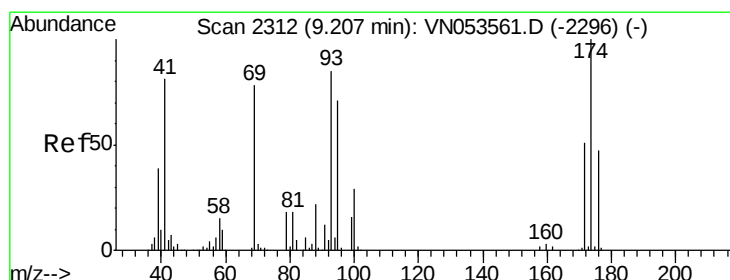
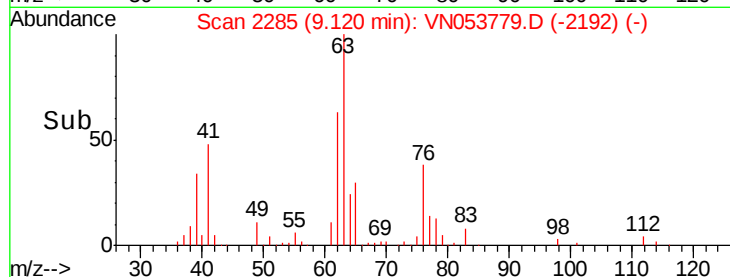
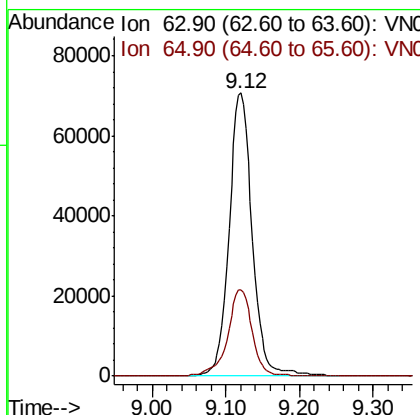
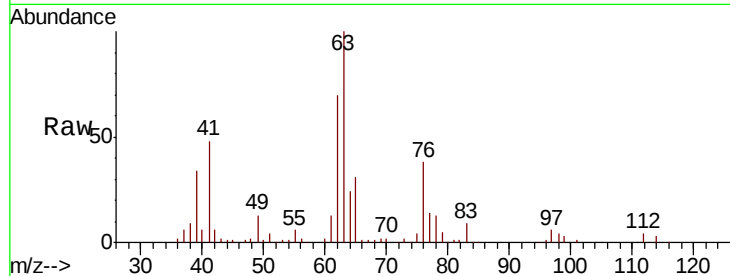
#45
 1,2-Dichloropropane
 Concen: 20.542 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion: 63 Resp: 154171
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

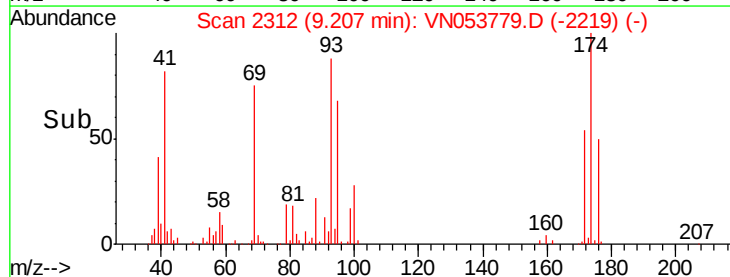
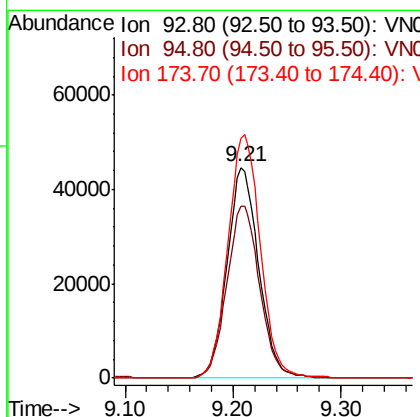
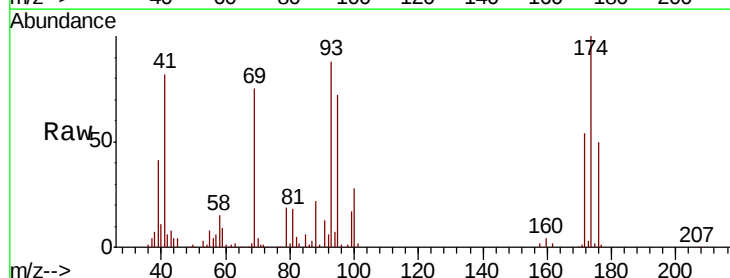
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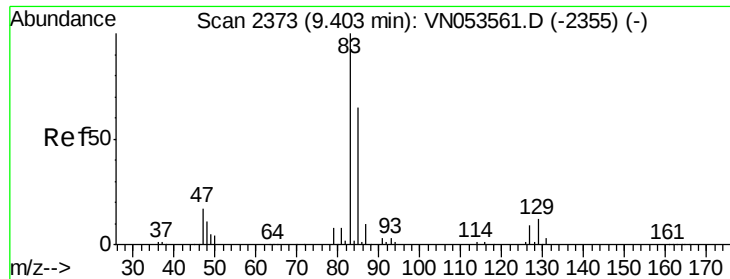
MMDadoda
 2/15/2019 10:19:54 AM



#46
 Dibromomethane
 Concen: 20.231 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion: 93 Resp: 91532
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.3 100.9
 174 117.8 91.0 136.4





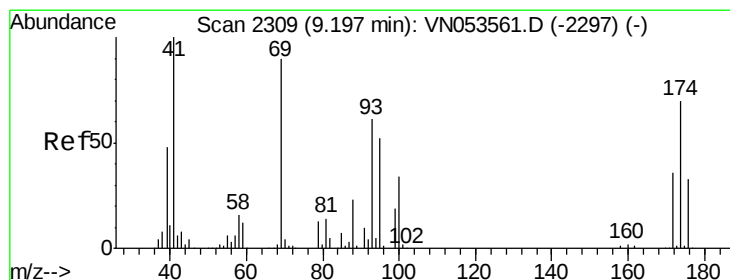
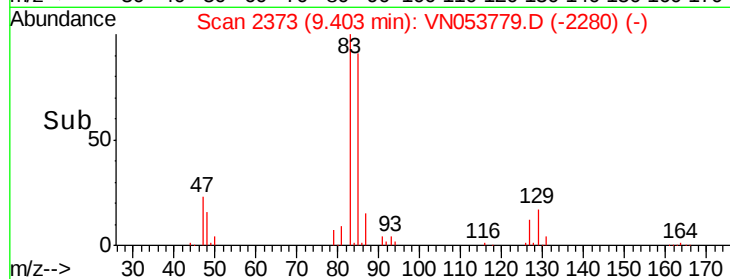
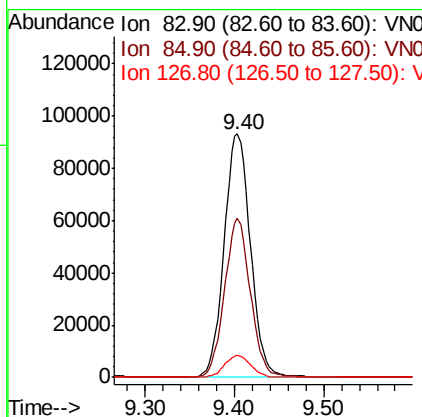
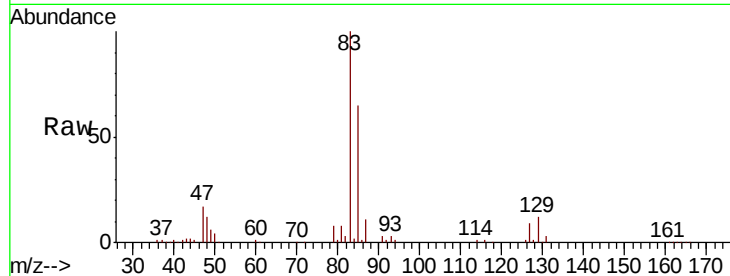
#47
Bromodichloromethane
Concen: 20.296 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190917		
85	65.4	51.0	76.6	
127	8.9	7.0	10.6	

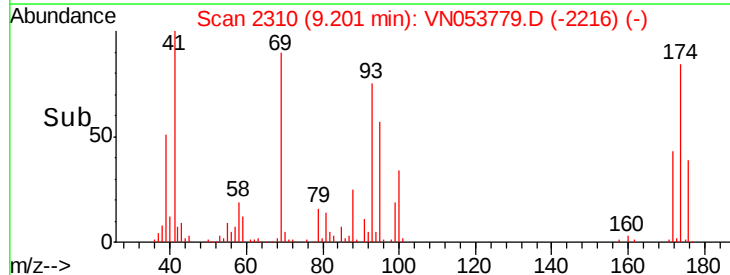
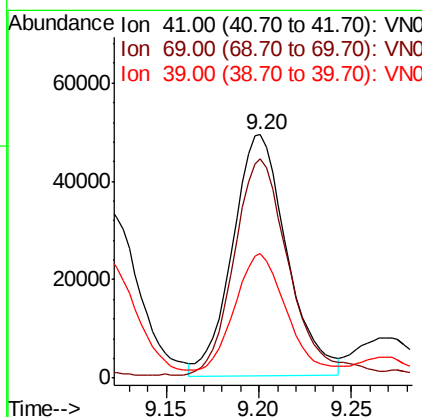
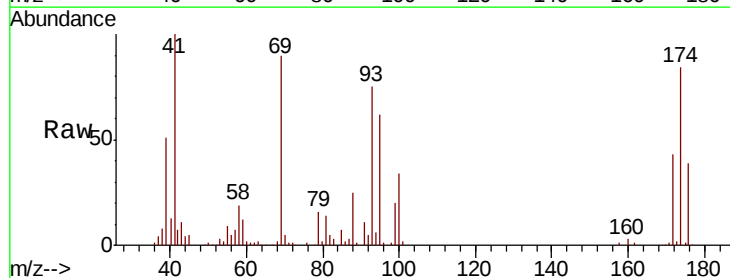
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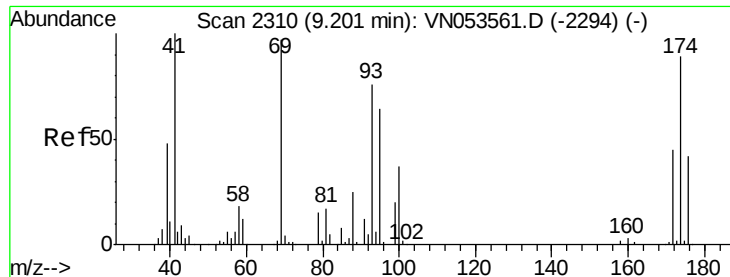
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2/15/2019 10:19:54 AM



#48
Methyl methacrylate
Concen: 20.349 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99694		
69	91.2	73.8	110.6	
39	51.9	40.0	60.0	





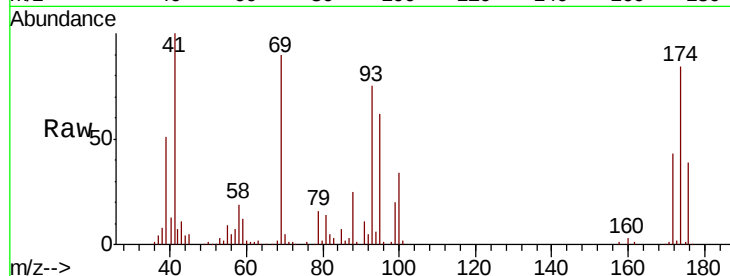
#49
1,4-Dioxane
Concen: 404.440 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	27.8	41.6#
58	71.3	56.5	84.7

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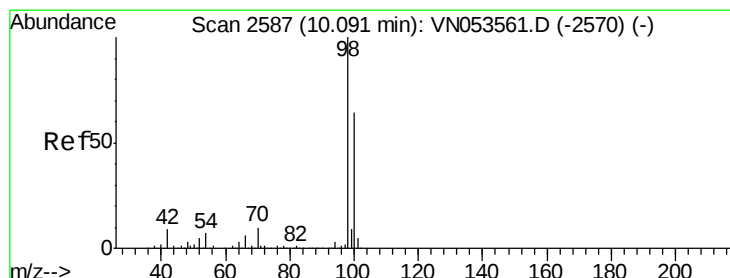
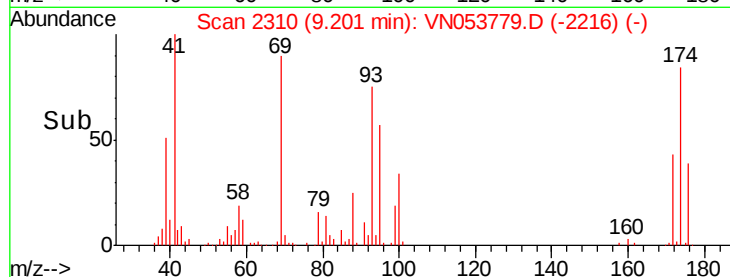
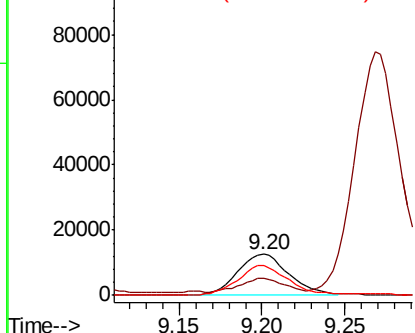


Abundance

Ion 88.00 (87.70 to 88.70): VN0

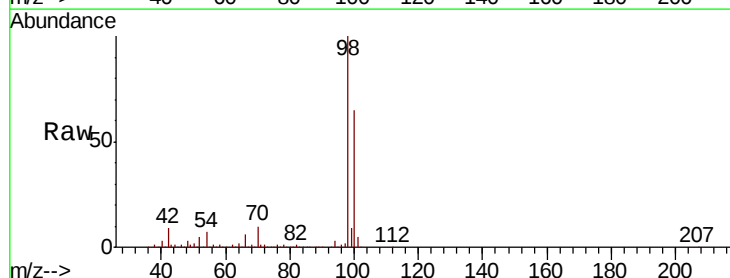
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.963 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

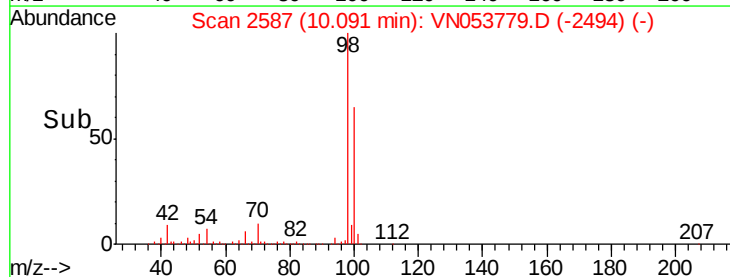
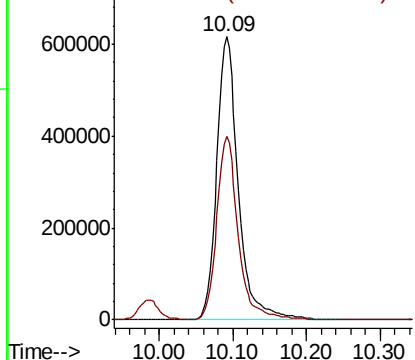
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

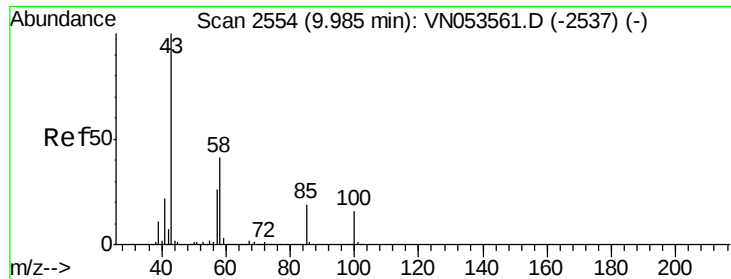


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.342 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 43 Resp: 546412

Ion Ratio Lower Upper

43 100

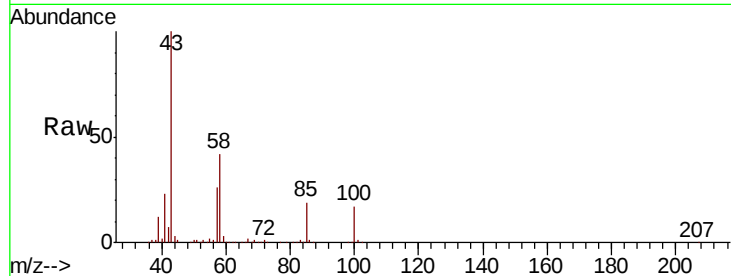
58 40.8 32.8 49.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

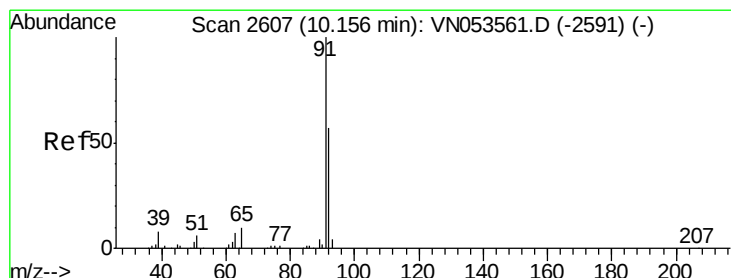
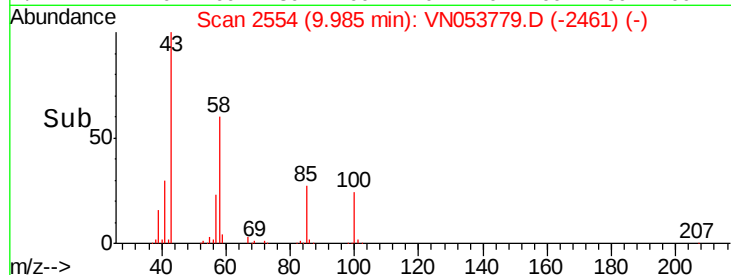
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.990 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053779.D

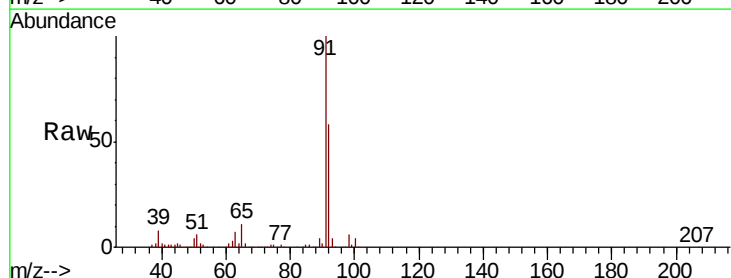
Acq: 14 Feb 2019 15:09

Tgt Ion: 92 Resp: 348127

Ion Ratio Lower Upper

92 100

91 172.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

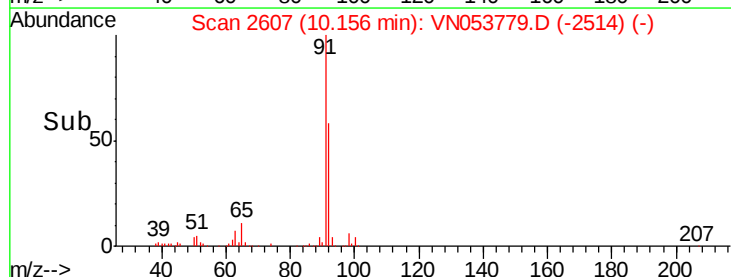
300000

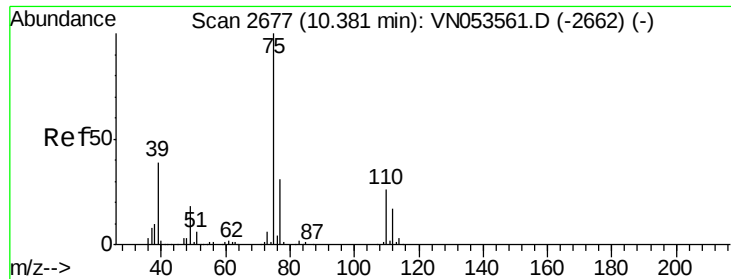
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.128 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 75 Resp: 180173

Ion Ratio Lower Upper

75 100

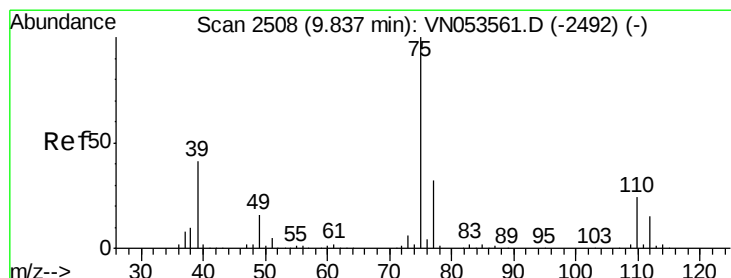
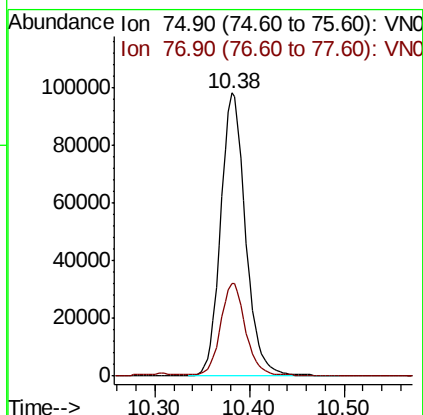
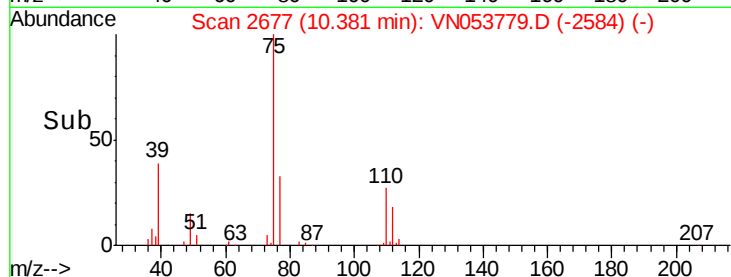
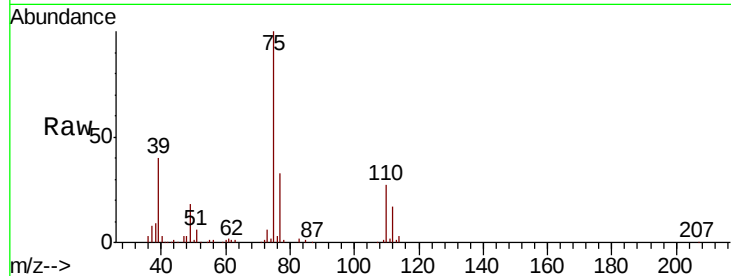
77 32.6 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.754 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

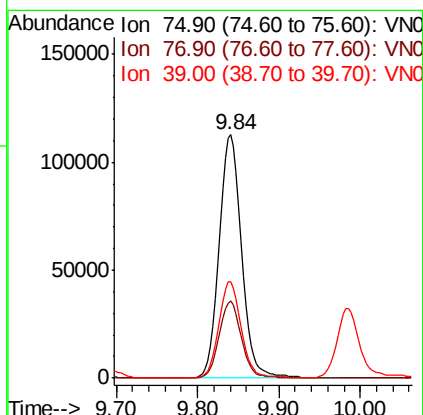
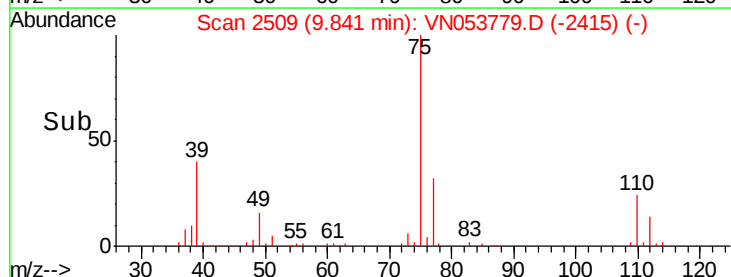
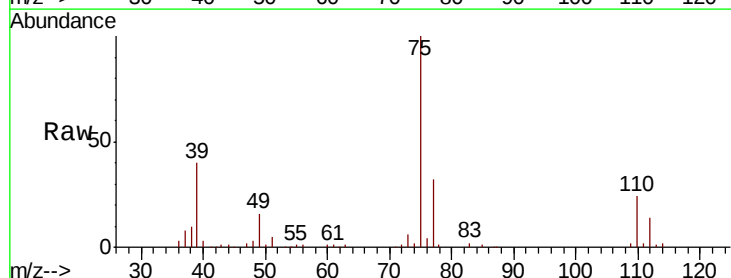
Tgt Ion: 75 Resp: 220496

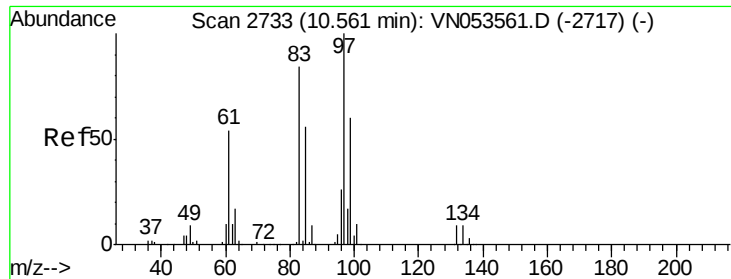
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 39.7 33.4 50.0





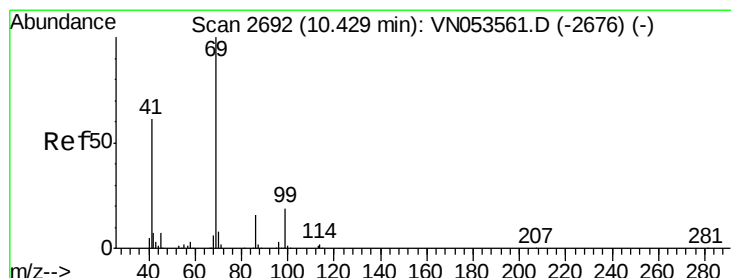
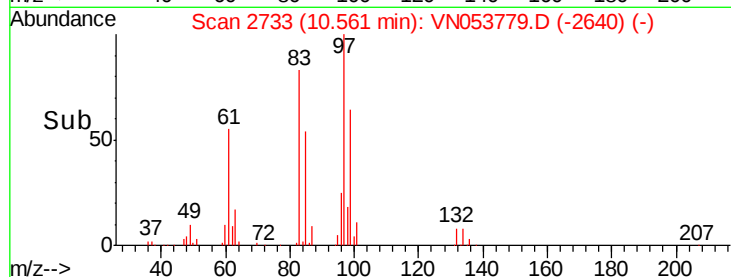
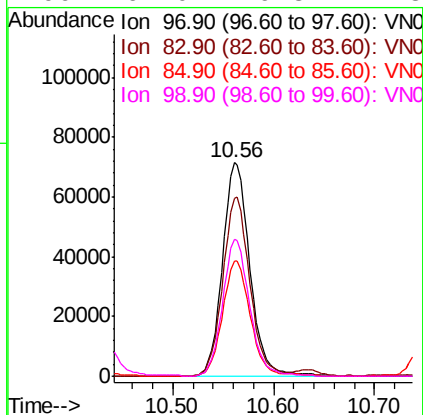
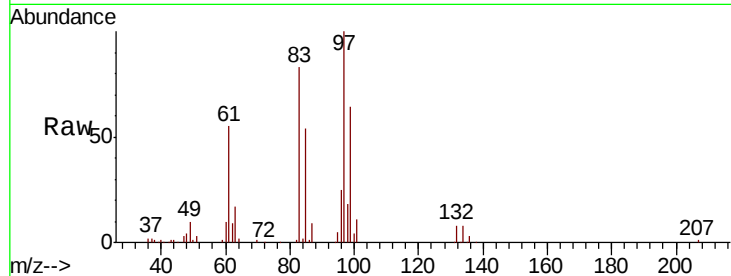
#55
 1,1,2-Trichloroethane
 Concen: 21.589 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.1	105.1
85	53.9	45.4	68.0
99	64.0	49.8	74.8

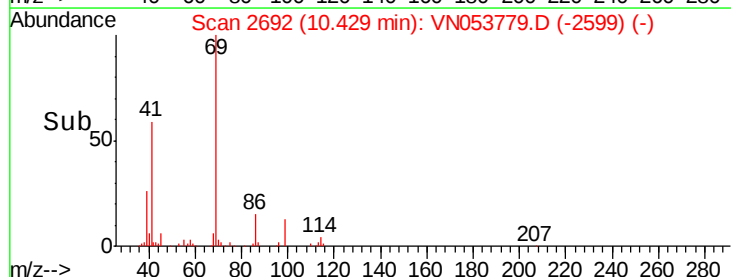
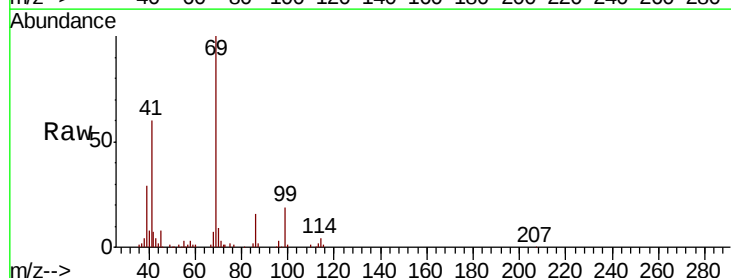
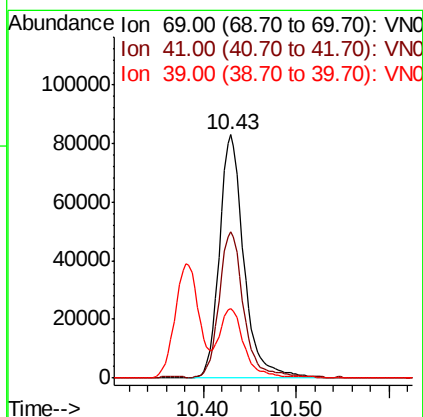
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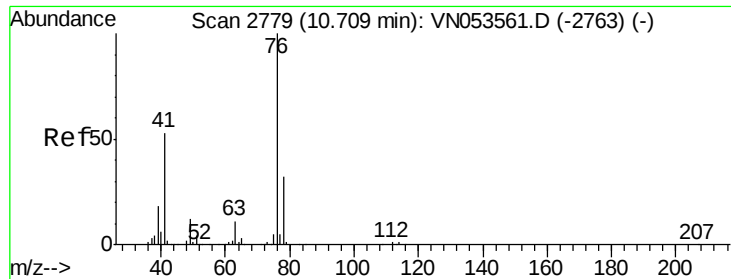
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 2/15/2019 10:19:54 AM



#56
 Ethyl methacrylate
 Concen: 20.455 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.7	49.4	74.0
39	28.5	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.441 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 76 Resp: 219224

Ion Ratio Lower Upper

76 100

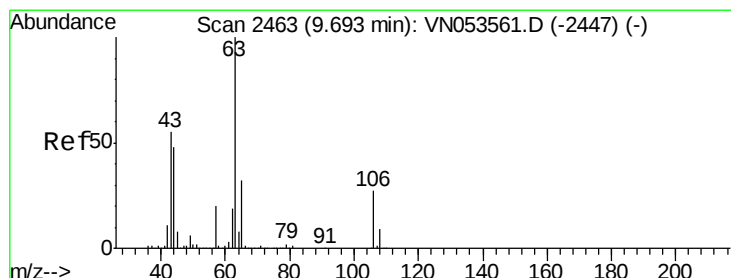
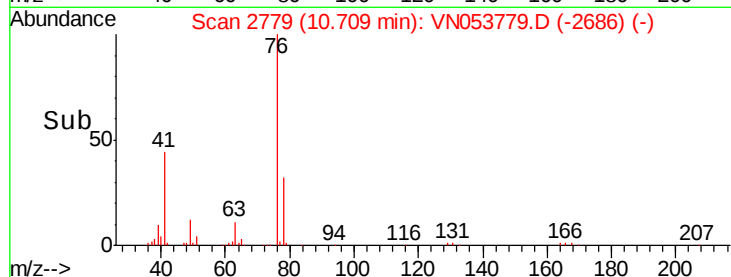
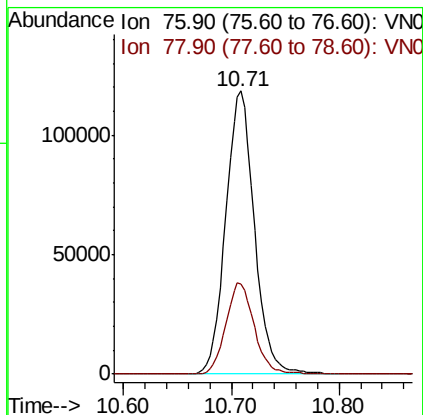
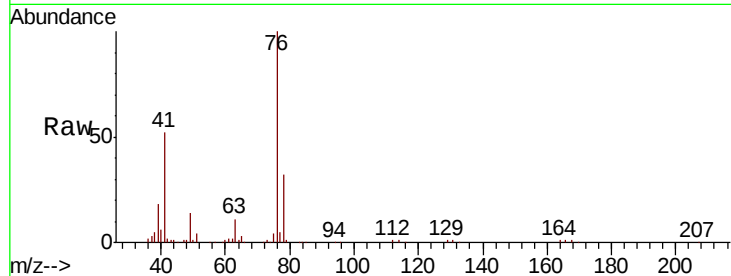
78 32.0 25.6 38.4

Manual Integrations

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MMDadoda

2/15/2019 10:19:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 77.887 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053779.D

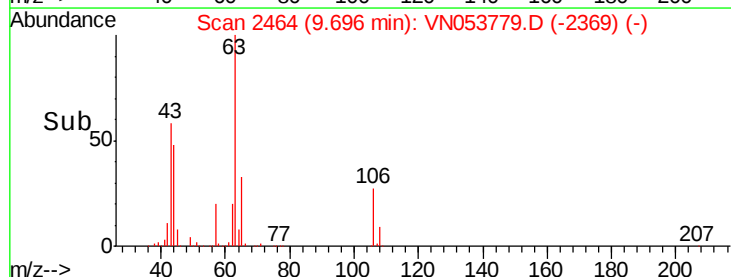
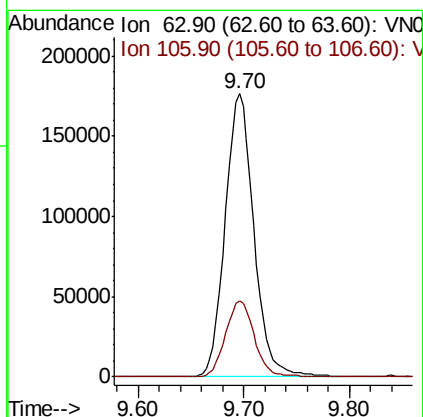
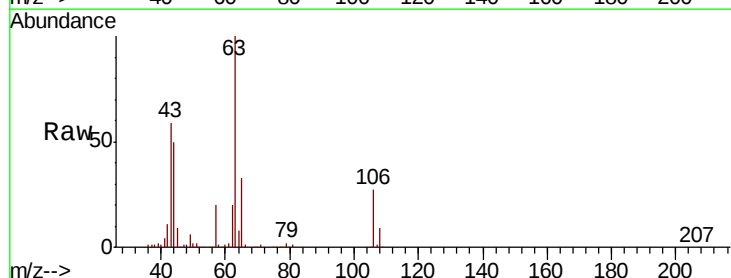
Acq: 14 Feb 2019 15:09

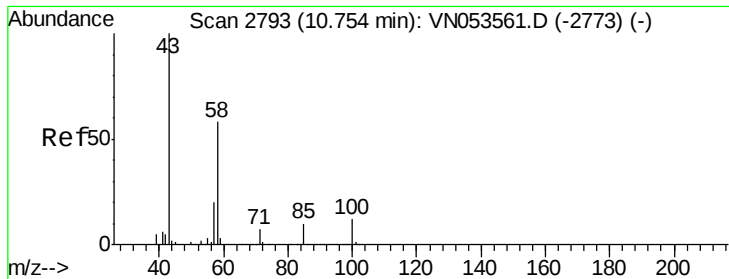
Tgt Ion: 63 Resp: 332366

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3





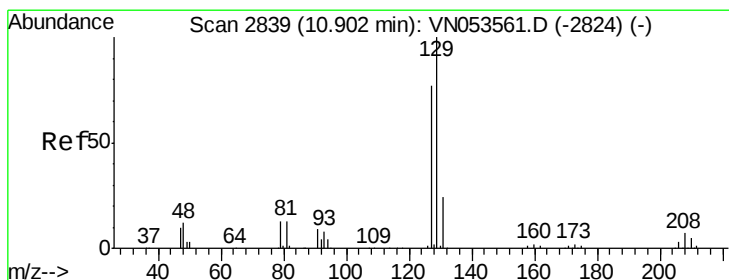
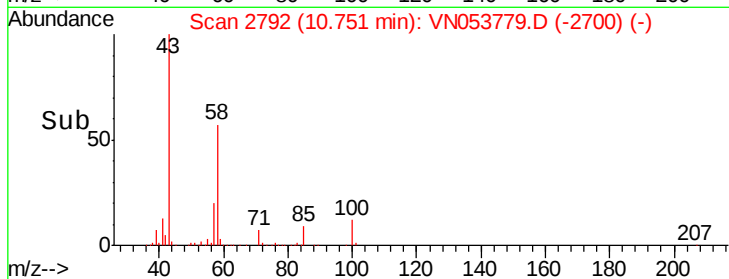
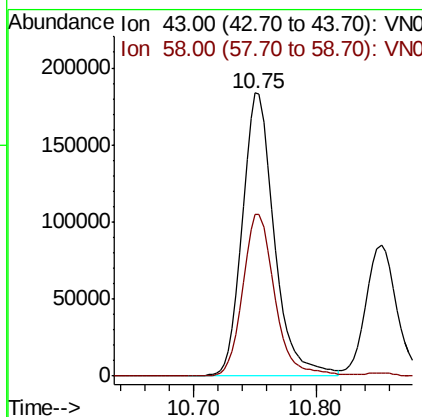
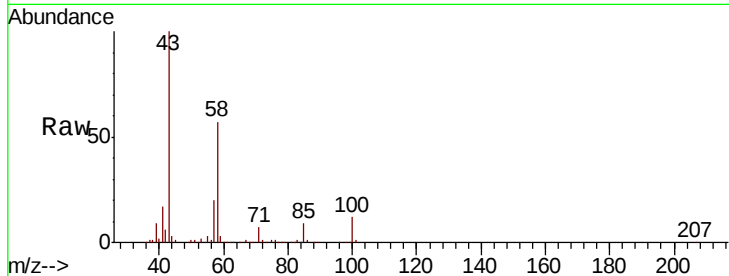
#59
2-Hexanone
Concen: 95.758 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	43	Resp	327858
Ion Ratio	100	Lower	Upper
43	100		
58	57.8	28.6	85.8

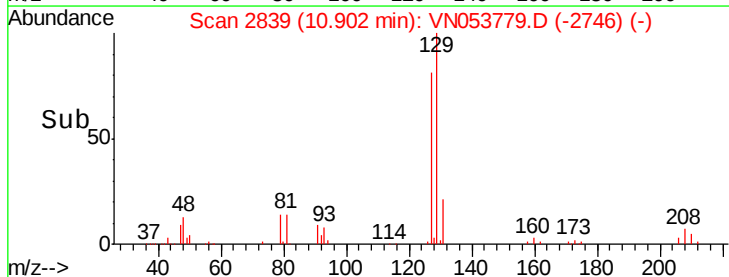
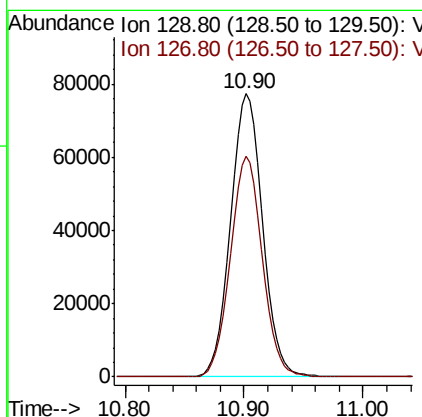
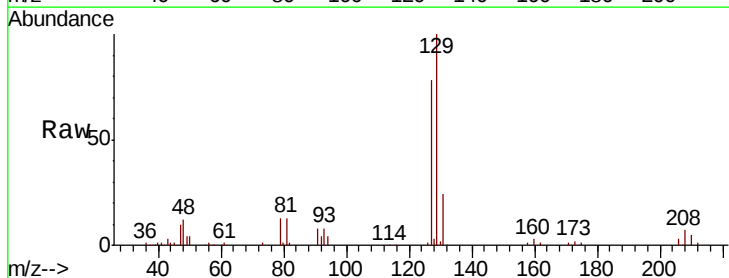
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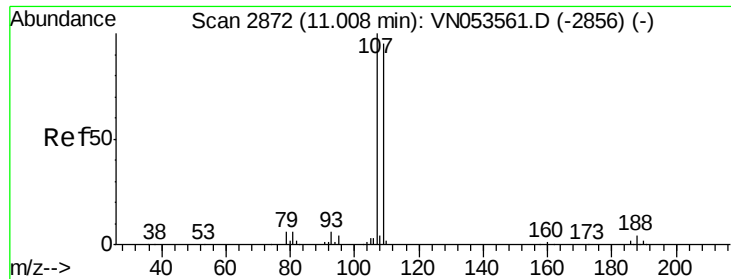
MMDadoda
2/15/2019 10:19:54 AM



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	129	Resp	144303
Ion Ratio	100	Lower	Upper
129	100		
127	77.6	38.6	115.8





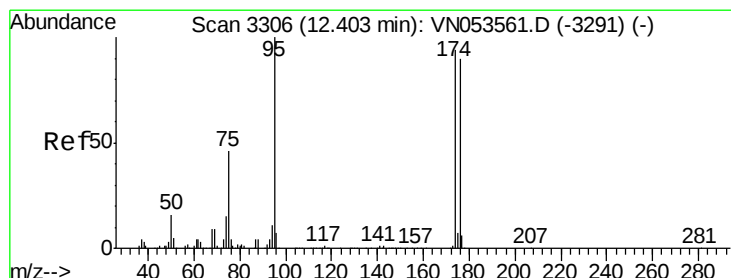
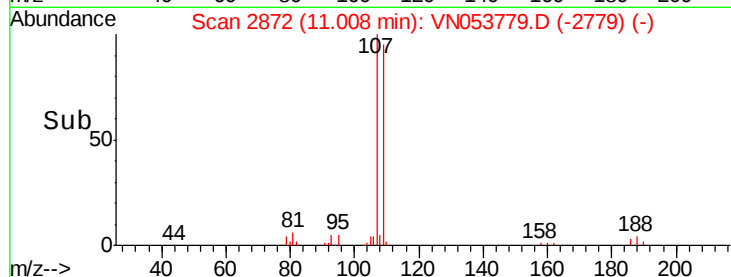
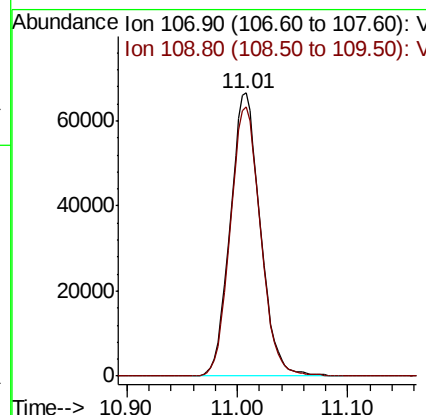
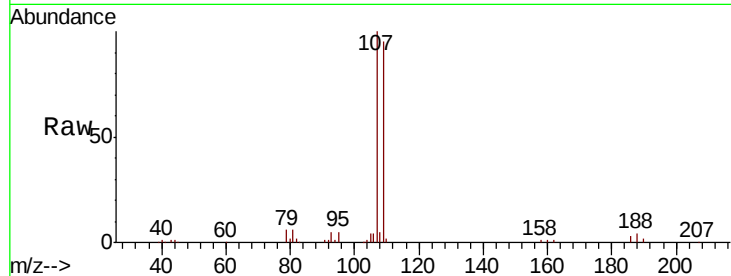
#61
 1,2-Dibromoethane
 Concen: 20.216 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.7	113.5

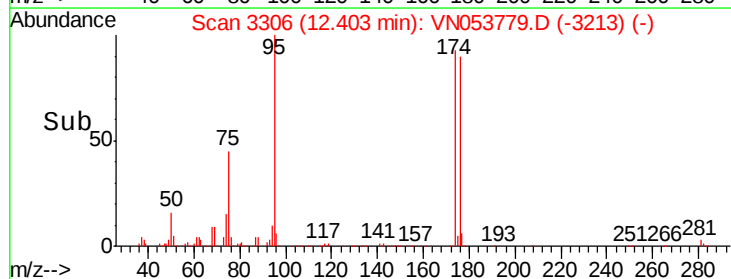
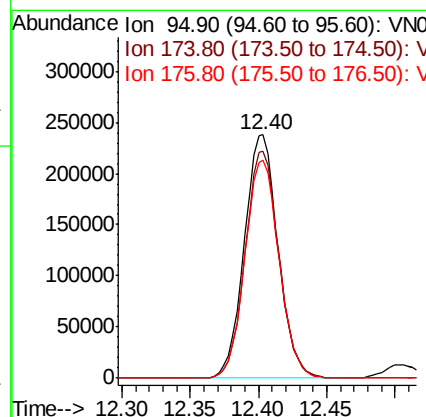
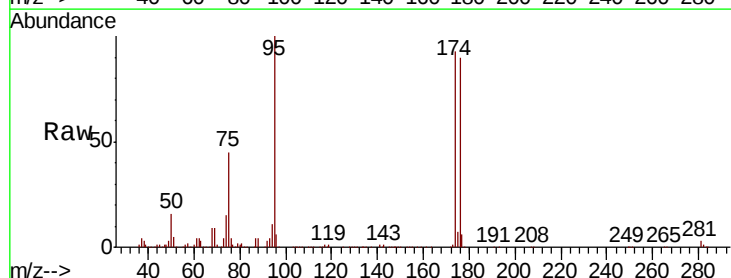
Manual Integrations
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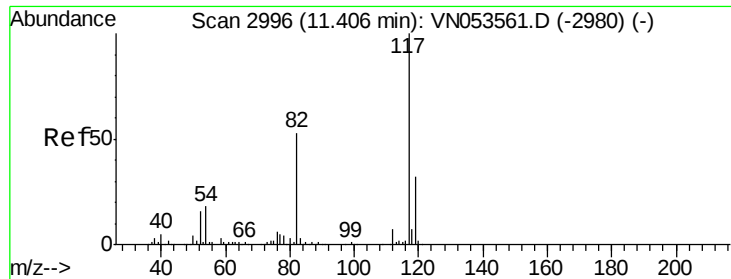
MMDadoda
 2/15/2019 10:19:54 AM



#62
 4-Bromofluorobenzene
 Concen: 48.770 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	183.2
176	90.7	0.0	177.4





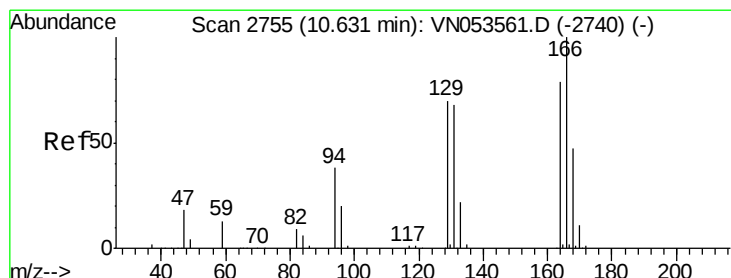
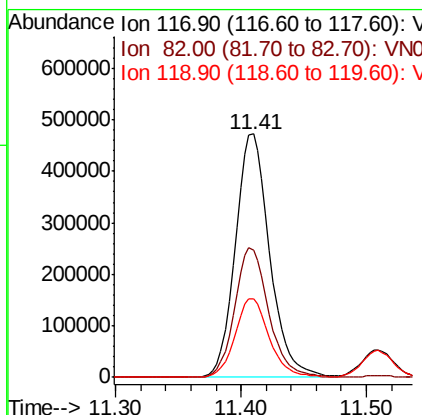
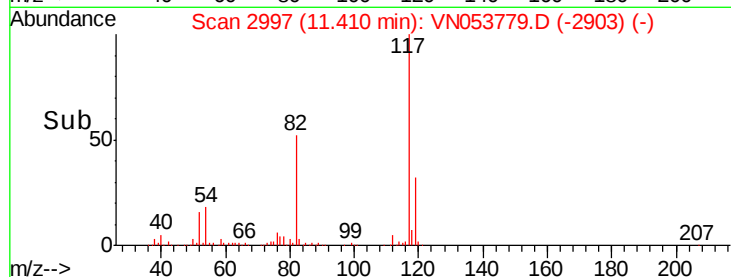
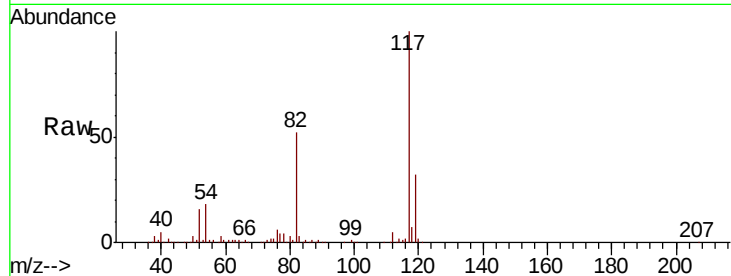
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	896885		
82	52.1		42.9	64.3
119	32.3		26.0	39.0

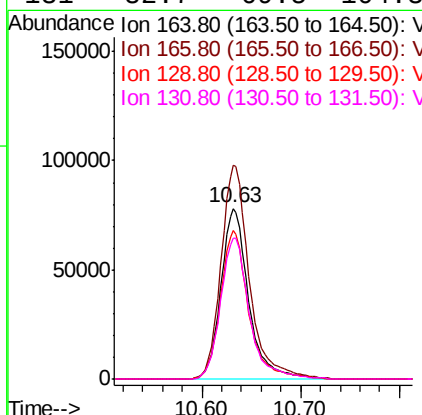
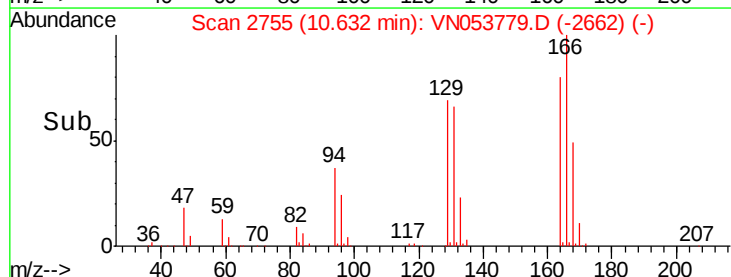
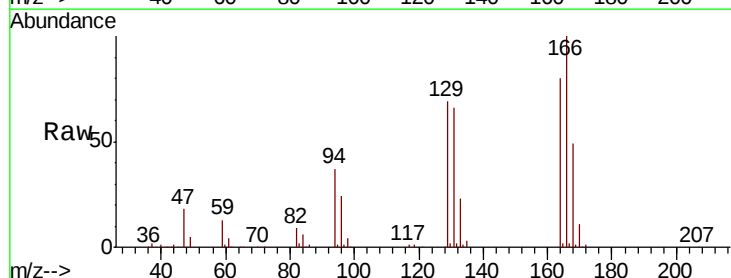
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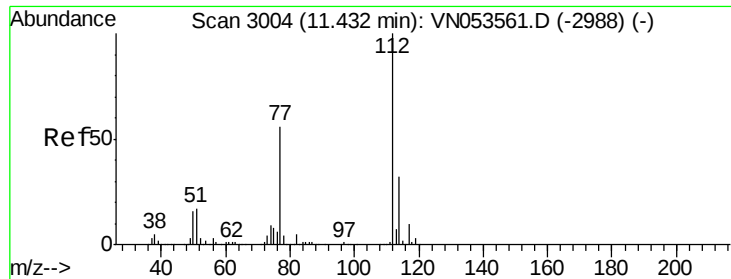
MMDadoda
2/15/2019 10:19:54 AM



#64
Tetrachloroethene
Concen: 20.043 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154094		
166	125.2		102.2	153.4
129	86.7		72.6	109.0
131	82.7		69.5	104.3





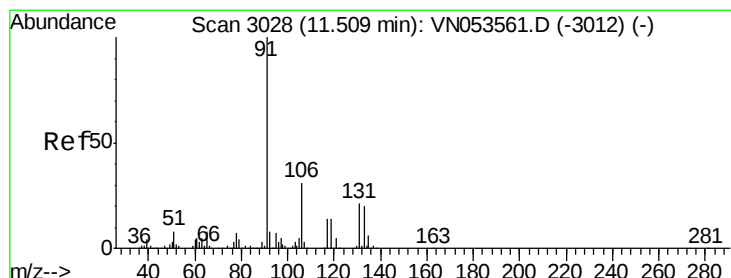
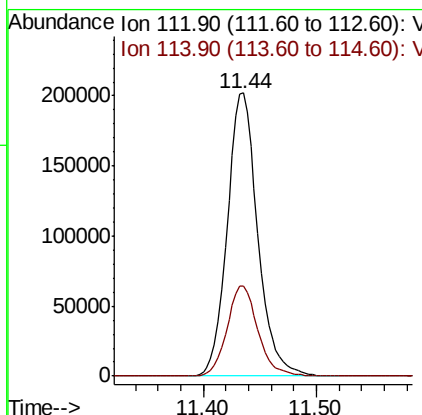
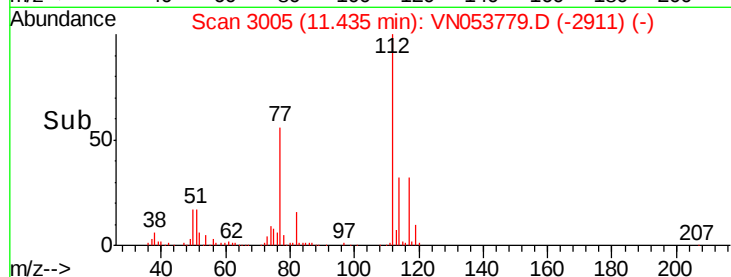
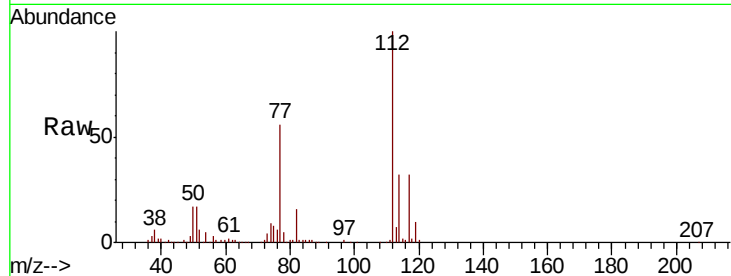
#65
Chlorobenzene
Concen: 19.844 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion:112 Resp: 378041
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

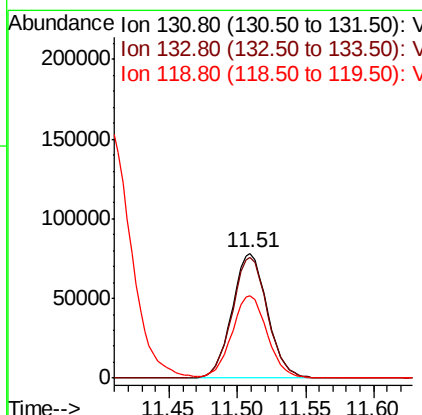
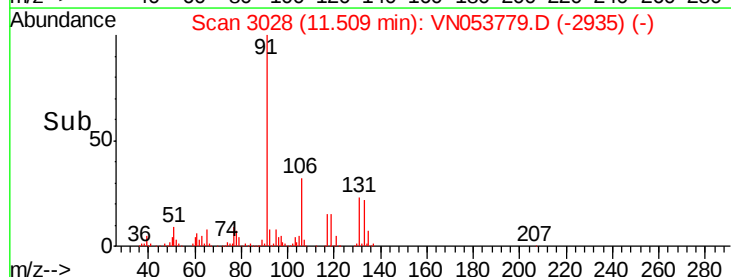
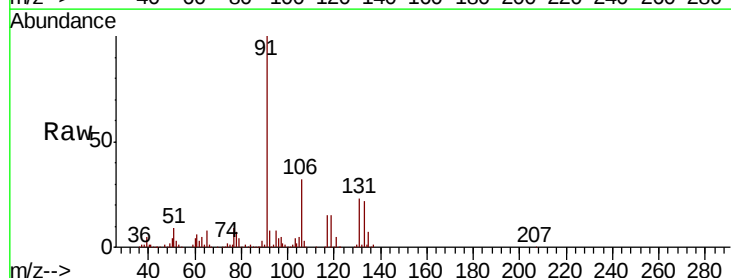
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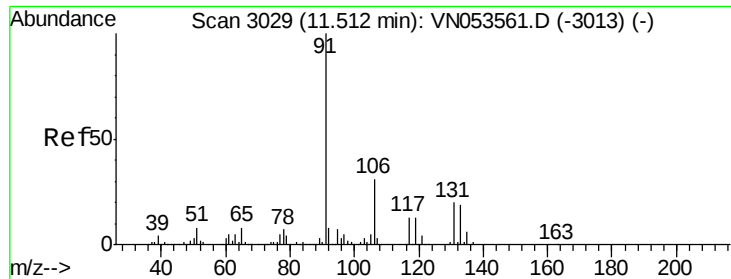
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.135 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion:131 Resp: 140617
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 66.2 33.5 100.5





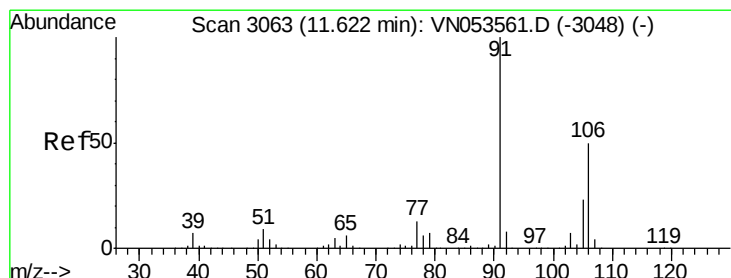
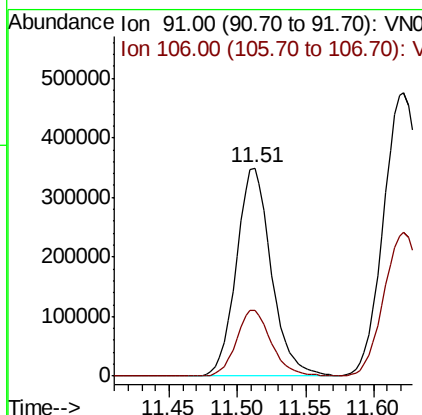
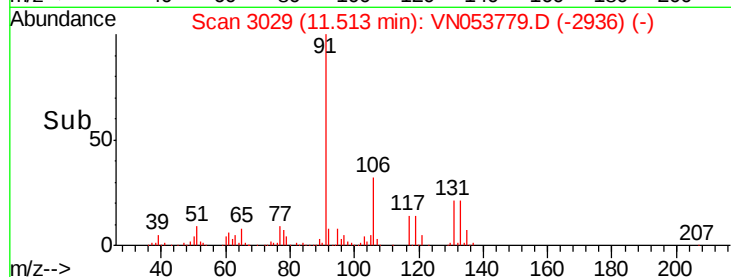
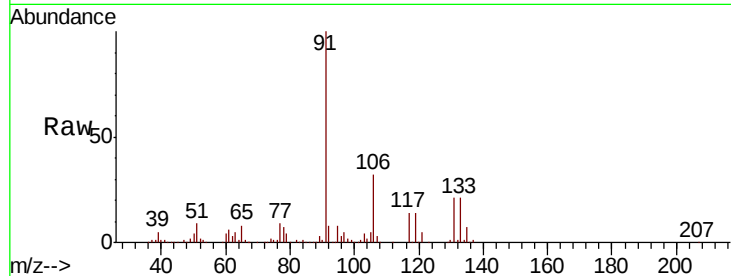
#67
Ethyl Benzene
Concen: 19.841 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion: 91 Resp: 620921
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

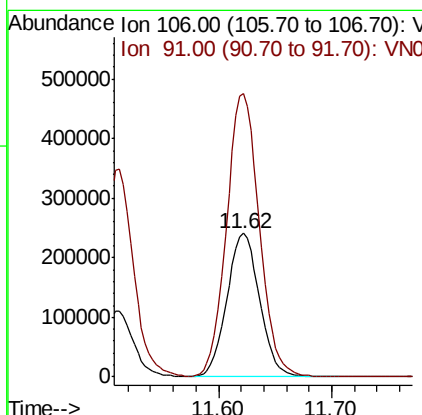
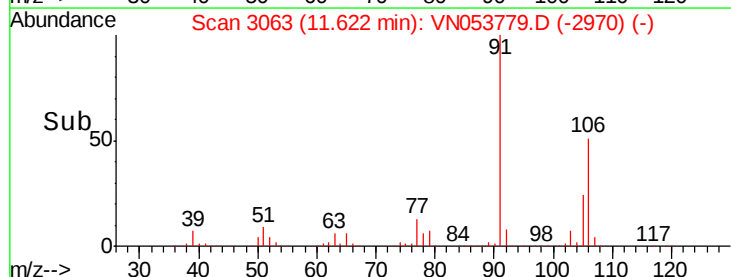
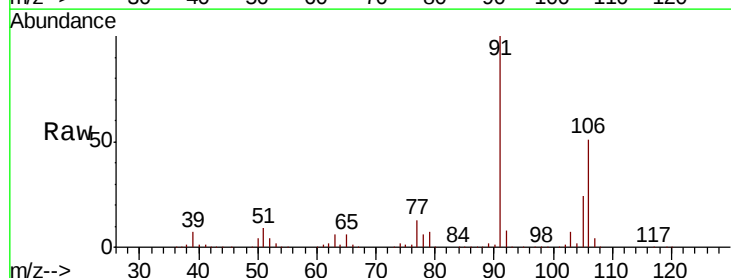
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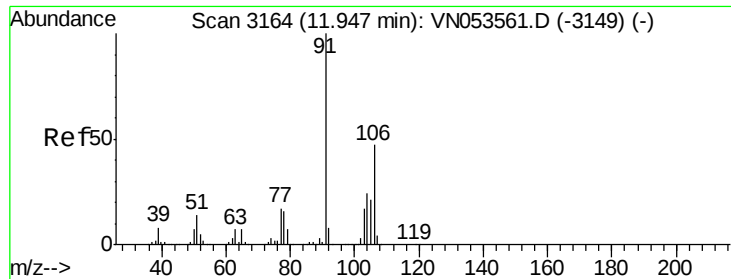
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#68
m/p-Xylenes
Concen: 40.551 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion: 106 Resp: 484342
Ion Ratio Lower Upper
106 100
91 197.7 161.4 242.2





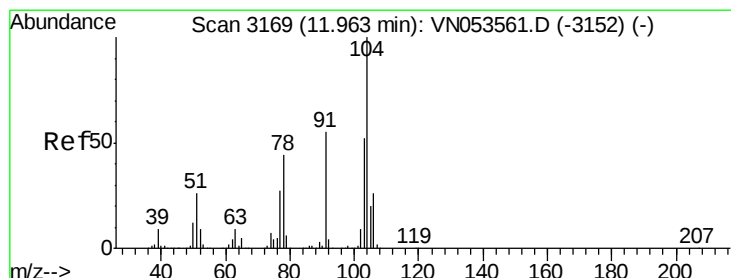
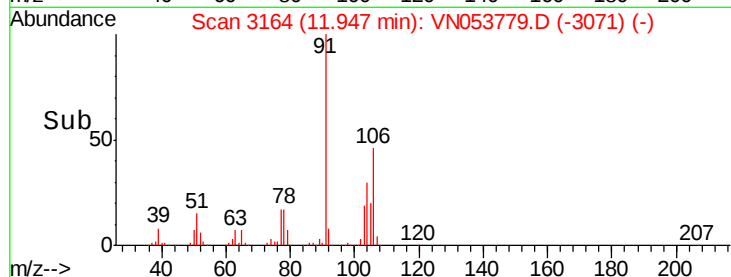
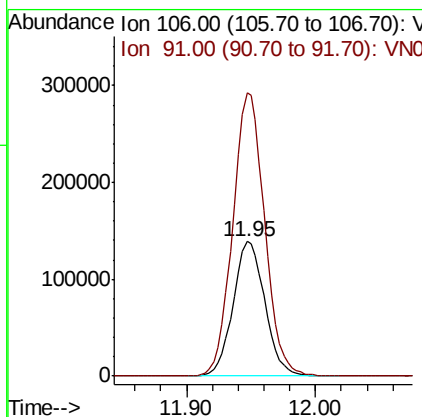
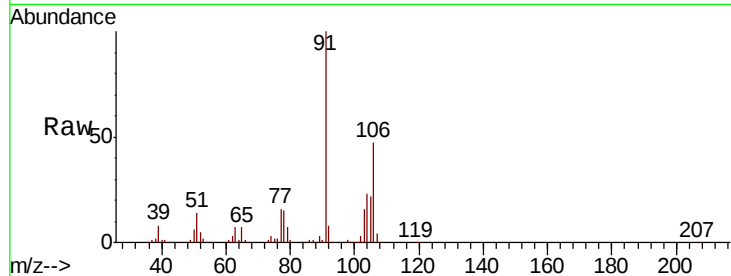
#69
o-Xylene
Concen: 20.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	237494		
91	210.9	106.9	320.8		

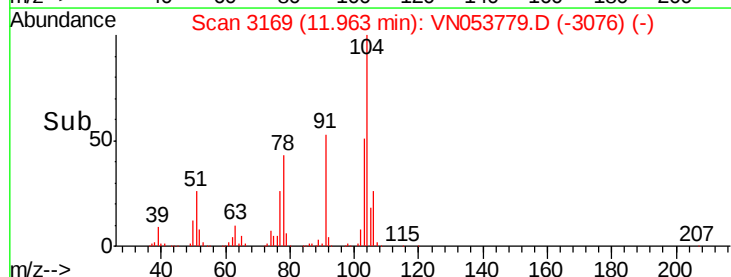
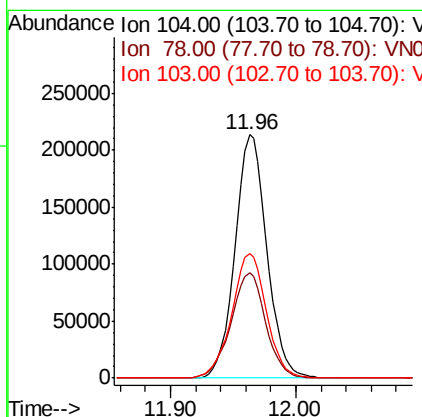
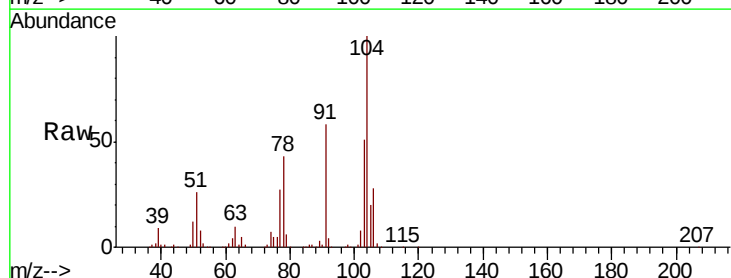
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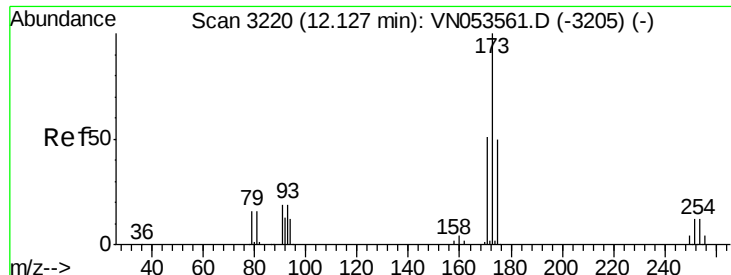
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#70
Styrene
Concen: 20.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	376102		
78	47.3	38.2	57.2		
103	55.5	44.4	66.6		





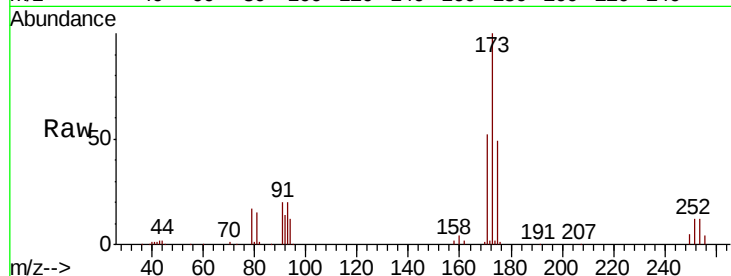
#71
Bromoform
Concen: 21.177 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampled :
VN0214WBSD01

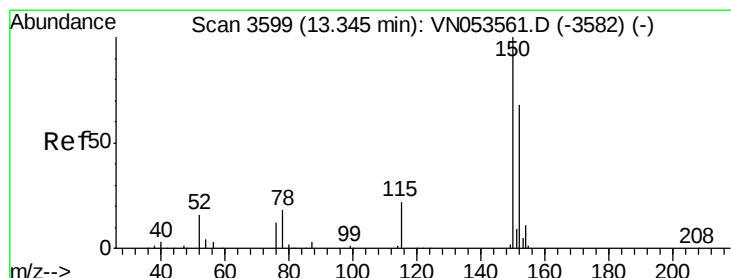
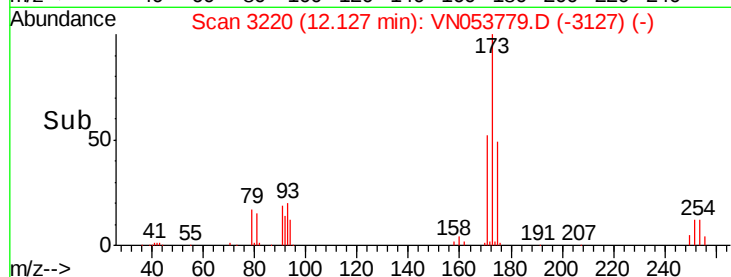
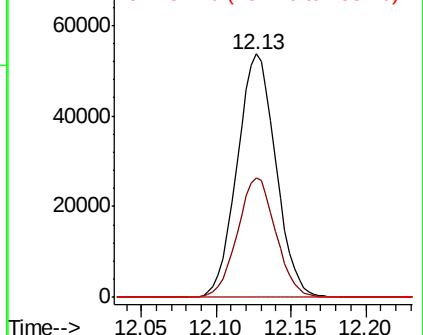
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.2	0.2

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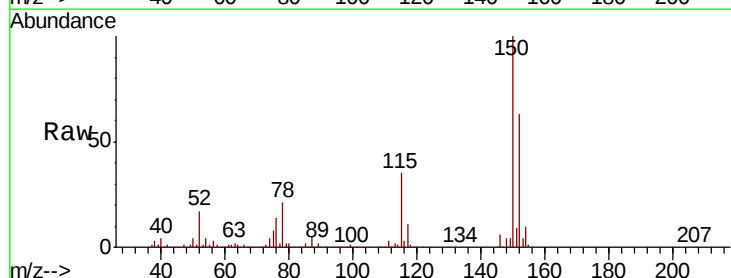


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

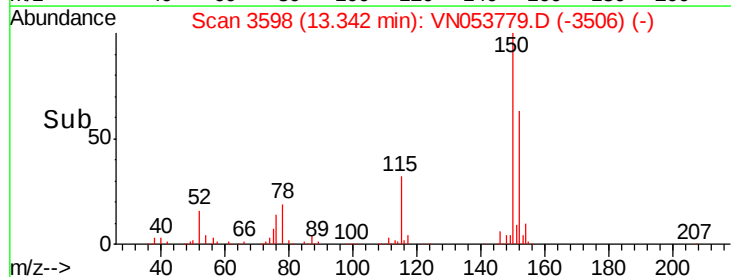
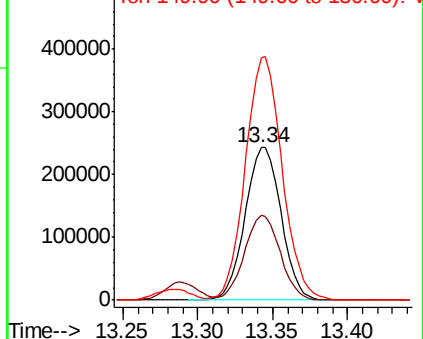


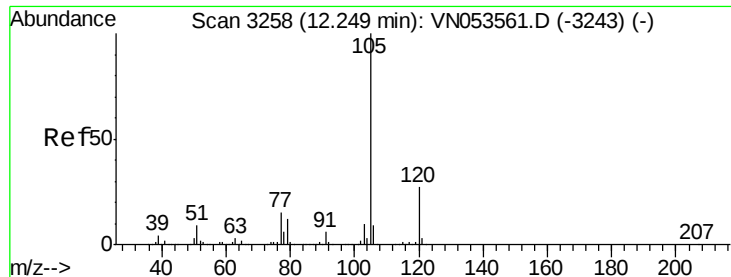
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	163.4	0.0	349.0



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: 21.823 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 105 Resp: 625191

Ion Ratio Lower Upper

105 100

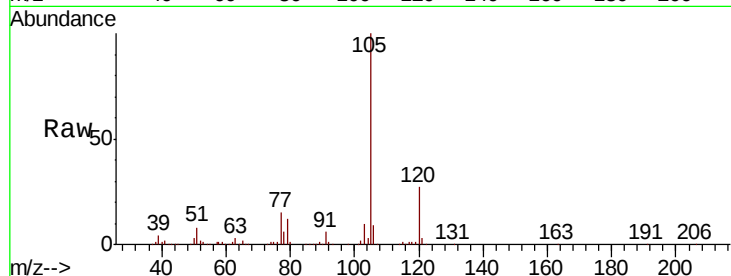
120 27.2 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

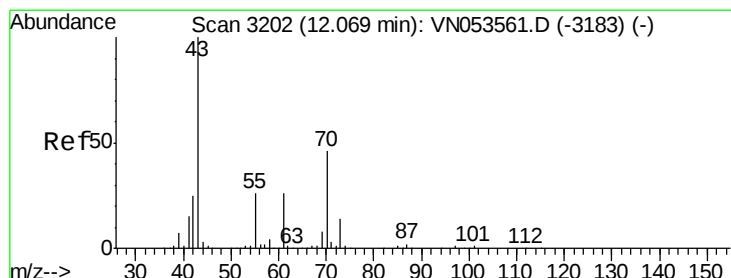
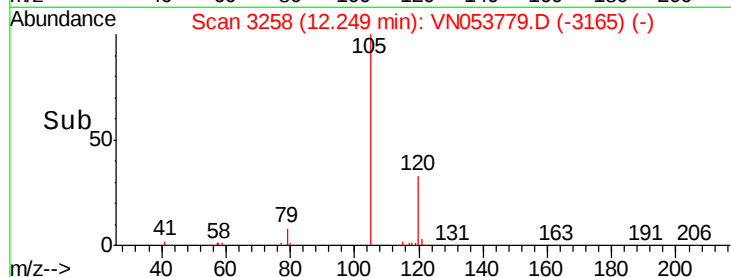
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.512 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion: 43 Resp: 148195

Ion Ratio Lower Upper

43 100

70 45.2 35.4 53.2

55 27.2 20.9 31.3

61 25.5 20.5 30.7

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

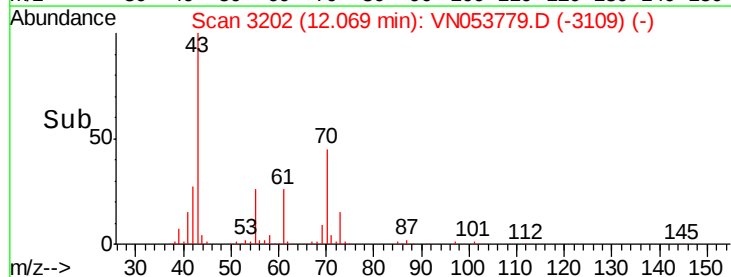
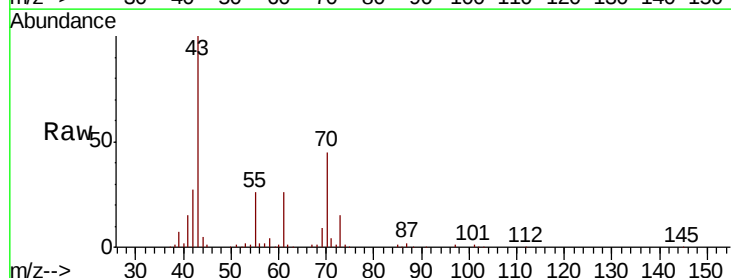
12.07

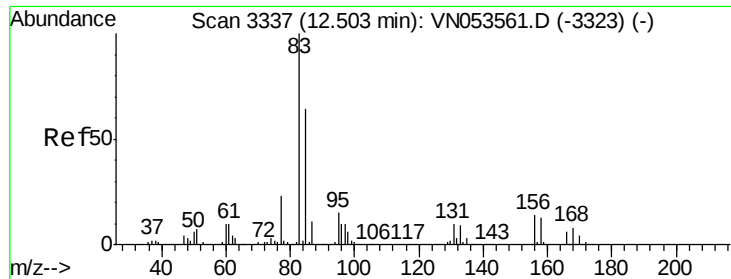
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.091 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

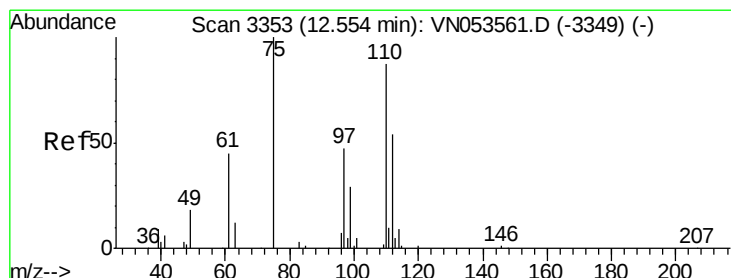
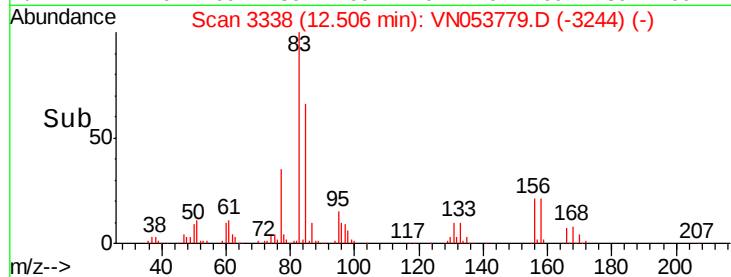
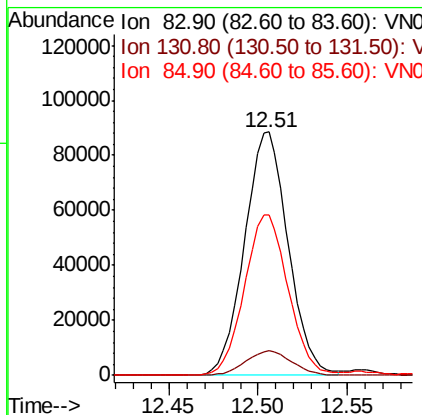
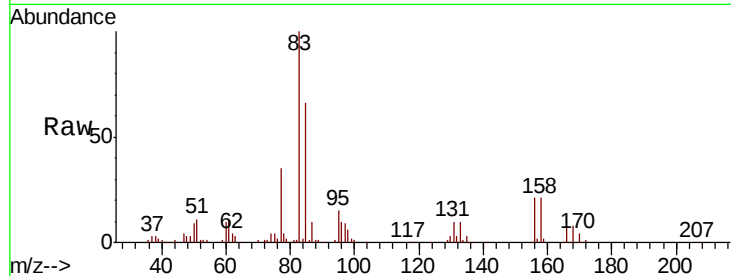
ClientSampleId :

VN0214WBSD01

Tot Ion:	83	Resp:	151463
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	65.9	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 25.997 ug/l m

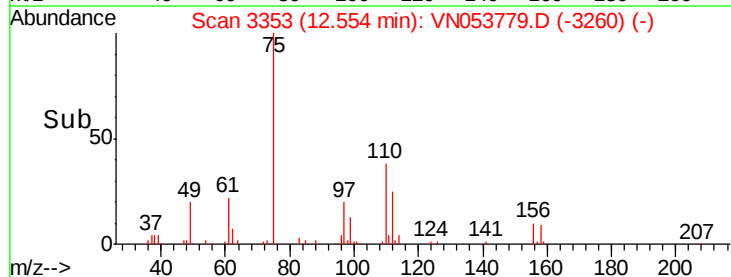
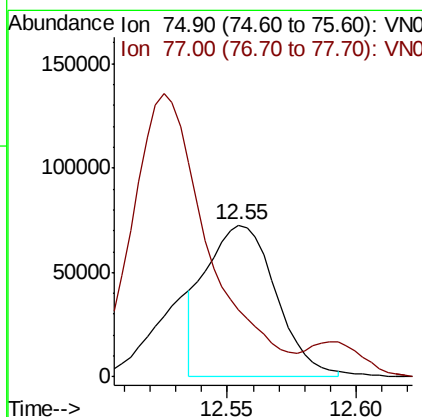
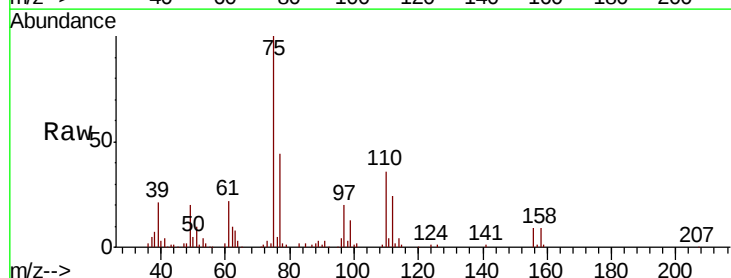
RT: 12.55 min Scan# 3353

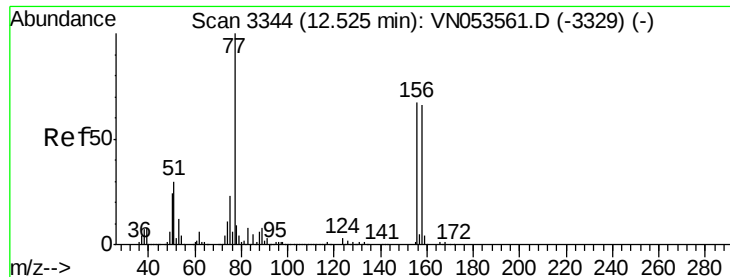
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:	75	Resp:	136079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





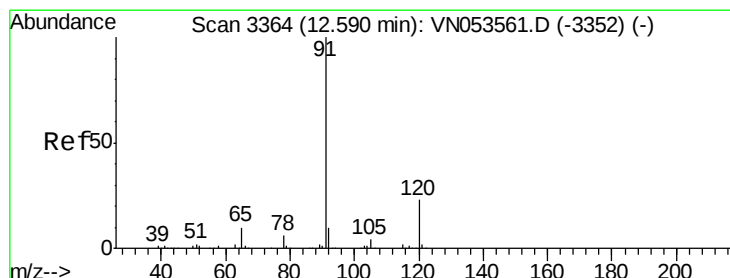
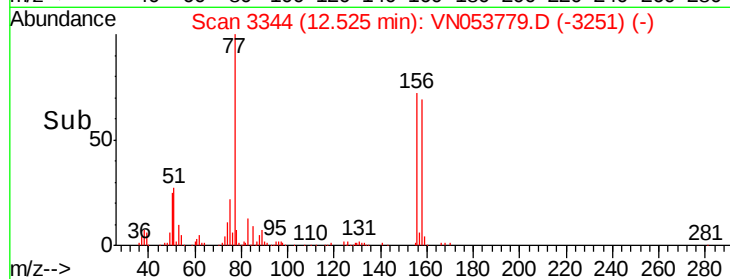
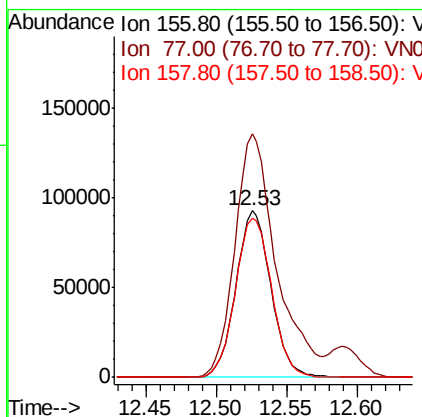
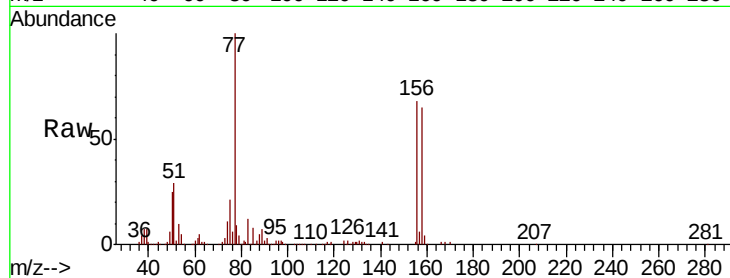
#77
Bromobenzene
Concen: 20.999 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.1	87.9	263.8
158	98.1	48.8	146.4

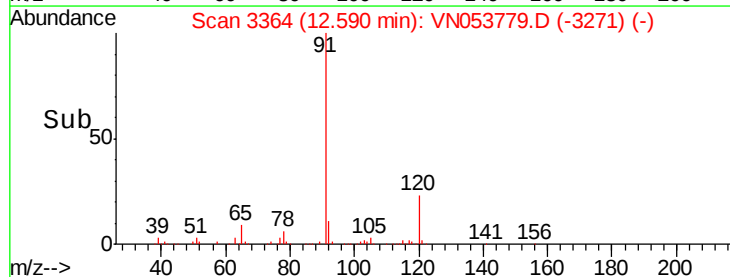
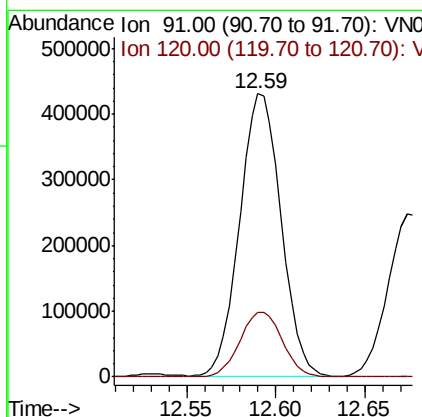
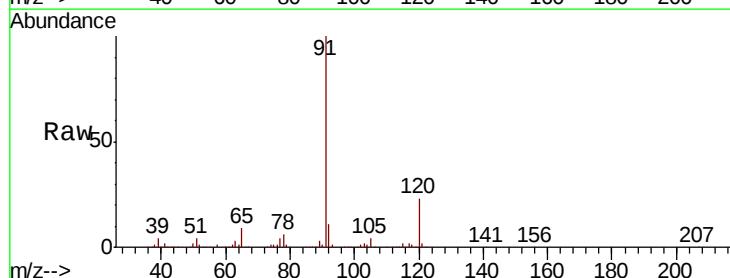
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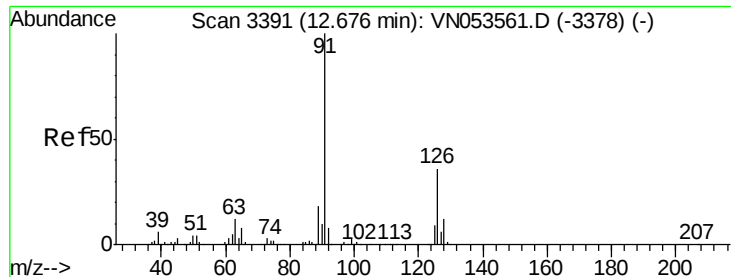
MMDadoda
2/15/2019 10:19:54 AM



#78
n-propylbenzene
Concen: 20.952 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.180 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

VN0214WBSD01

Tot Ion: 91 Resp: 416137

Ion Ratio Lower Upper

91 100

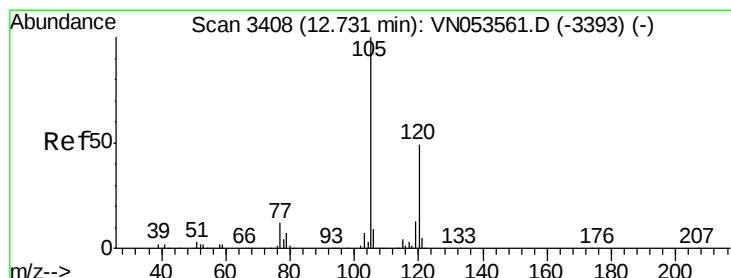
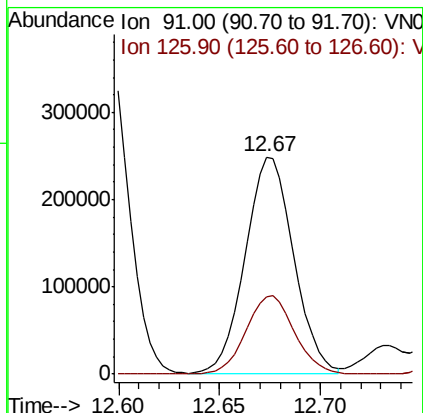
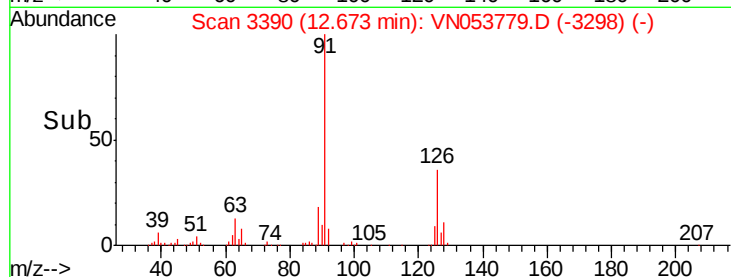
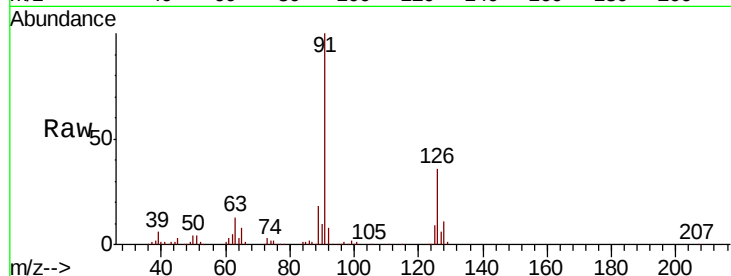
126 36.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.840 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053779.D

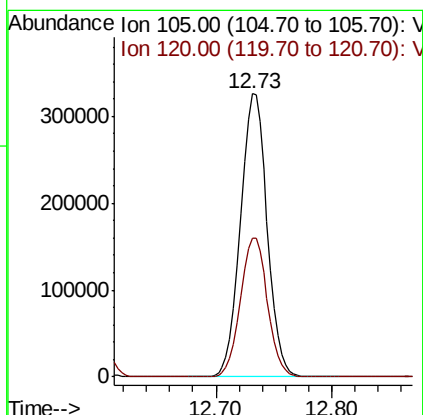
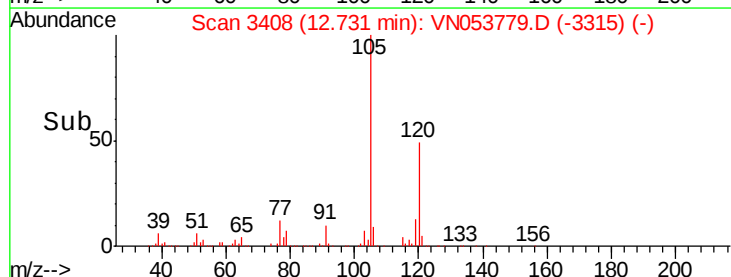
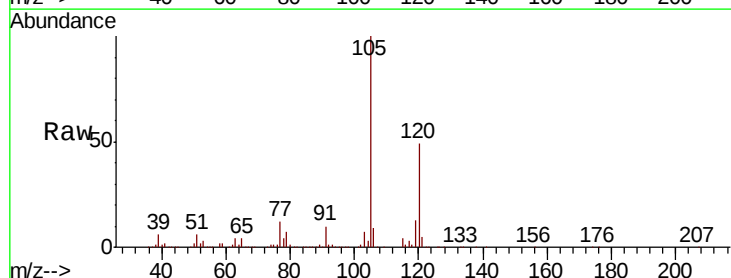
Acq: 14 Feb 2019 15:09

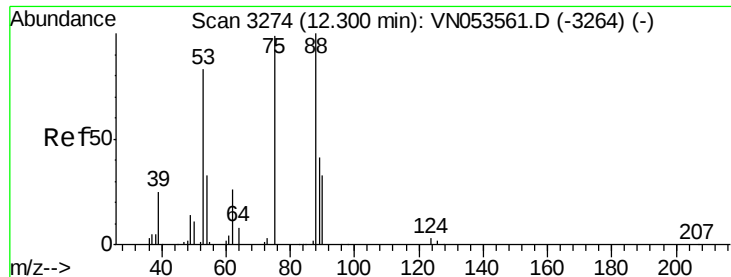
Tgt Ion: 105 Resp: 518828

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.243 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

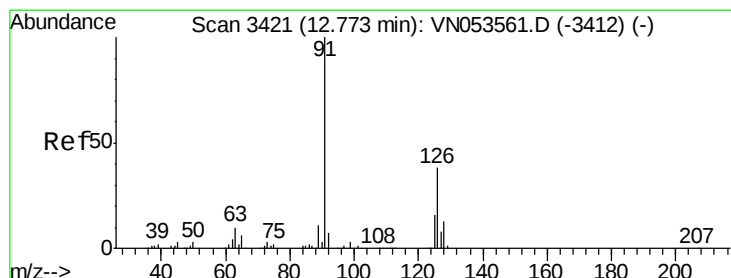
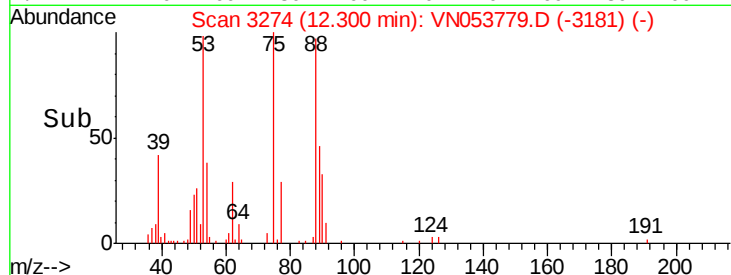
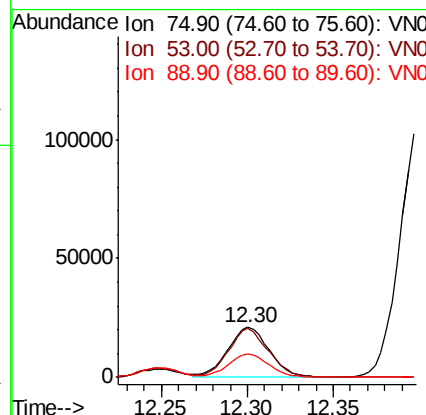
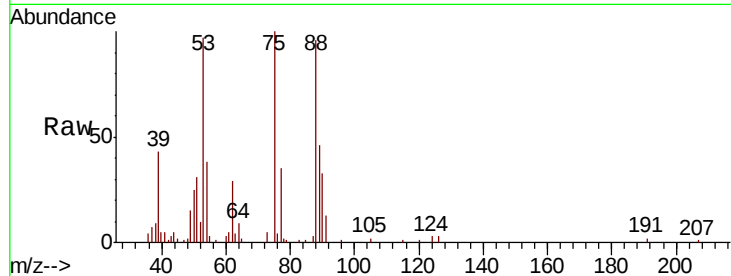
ClientSampled :

VN0214WBSD01

Tot Ion:	75	Resp:	35821
Ion	Ratio	Lower	Upper
75	100		
53	93.5	69.8	104.6
89	45.7	35.6	53.4

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#82

4-Chlorotoluene

Concen: 20.598 ug/l

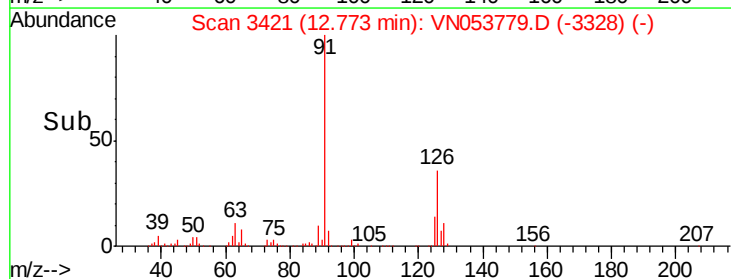
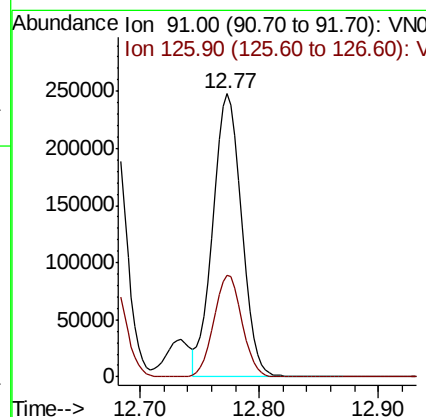
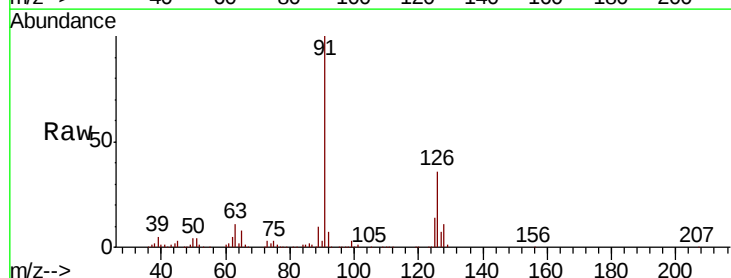
RT: 12.77 min Scan# 3421

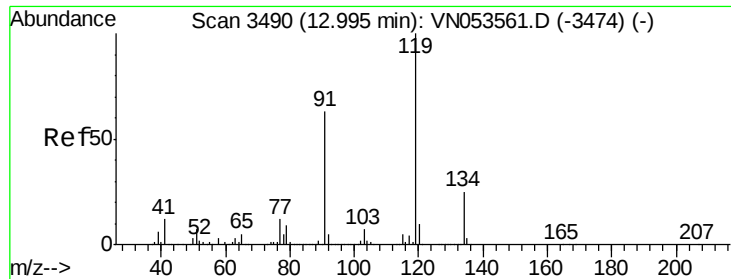
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:	91	Resp:	415288
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





#83

tert-Butylbenzene

Concen: 22.337 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

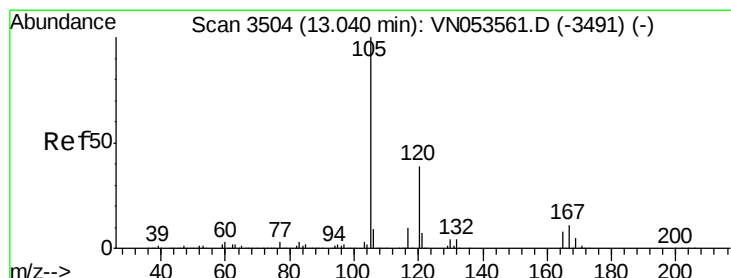
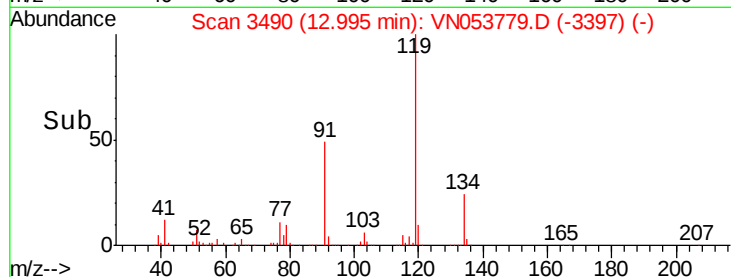
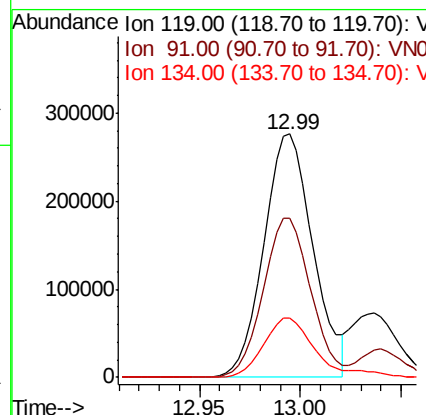
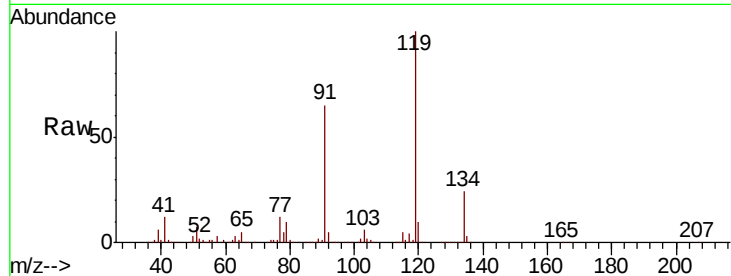
ClientSampled :

VN0214WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		468993		
91	63.5	31.3	93.8		
134	26.0	12.9	38.7		

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.700 ug/l

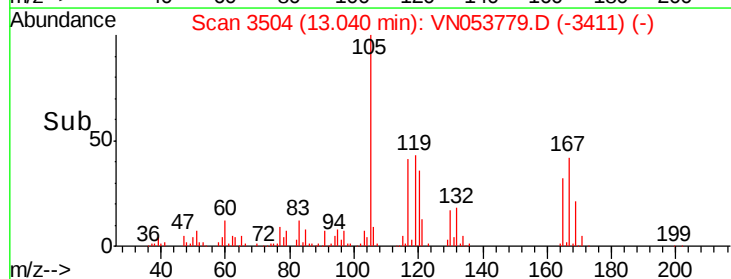
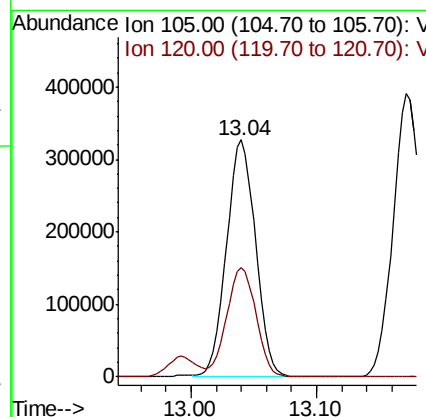
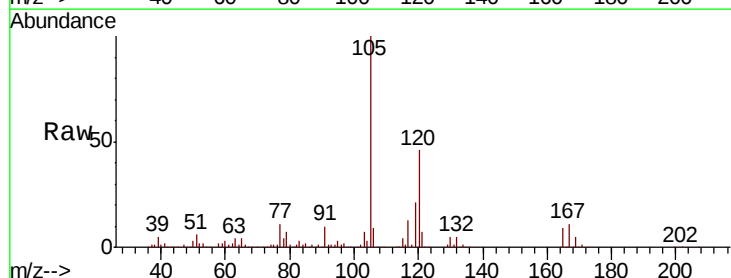
RT: 13.04 min Scan# 3504

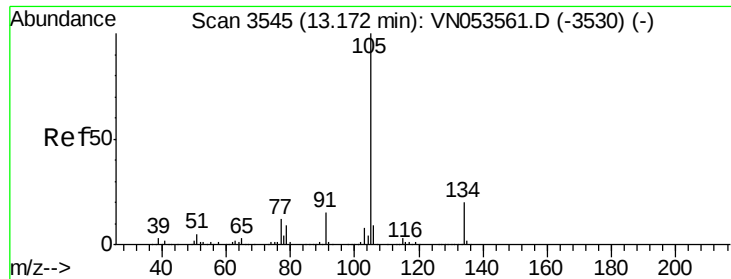
Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		525219		
120	46.5	23.0	69.0		





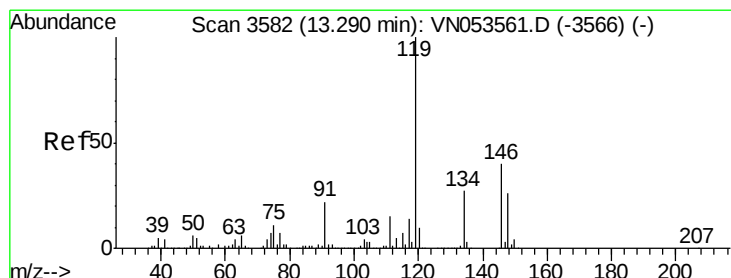
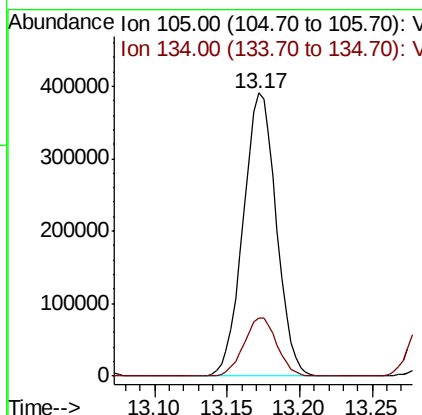
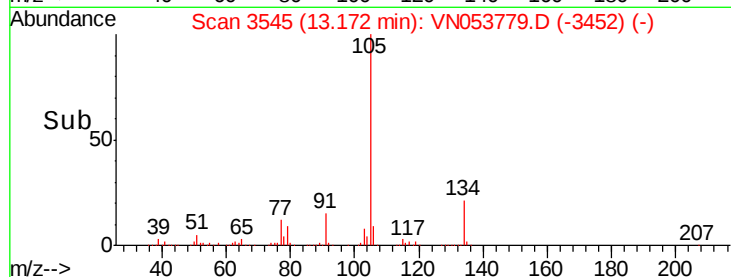
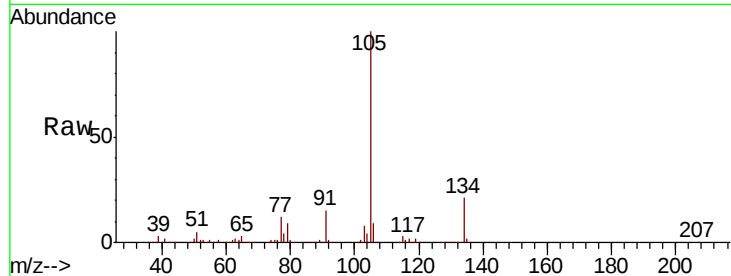
#85
 sec-Butylbenzene
 Concen: 21.706 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.2	30.6

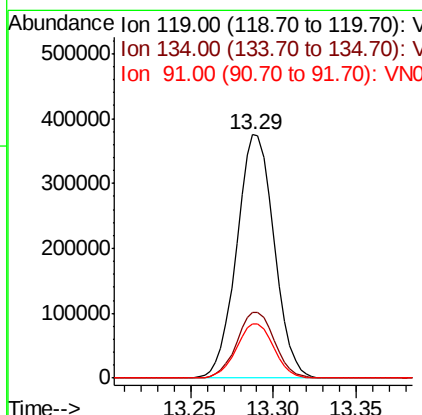
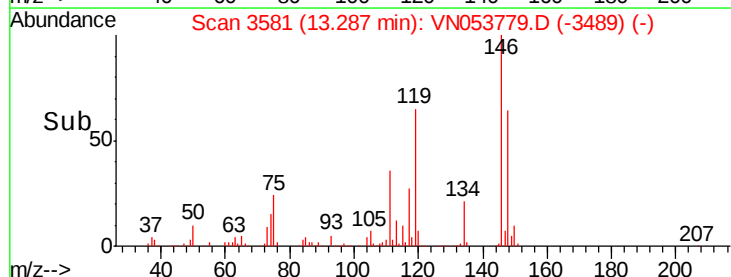
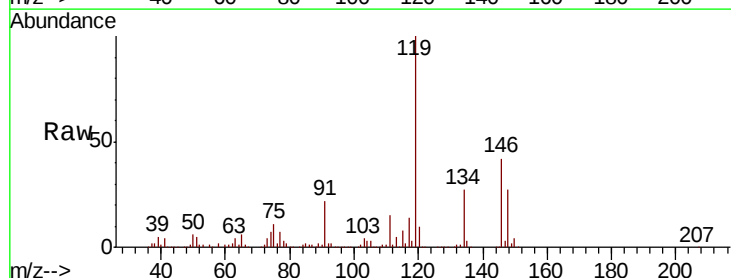
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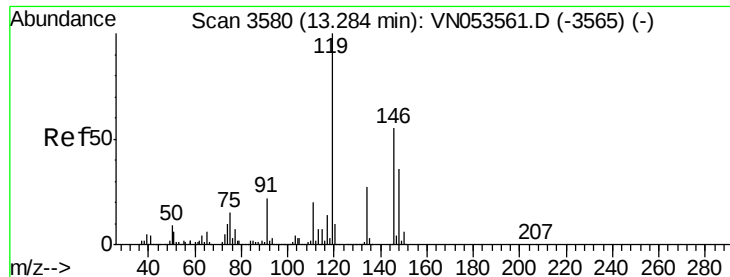
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#86
 p-Isopropyltoluene
 Concen: 23.488 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.4
91	22.1	11.0	33.0





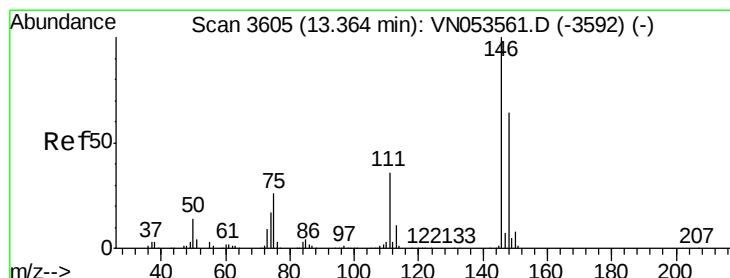
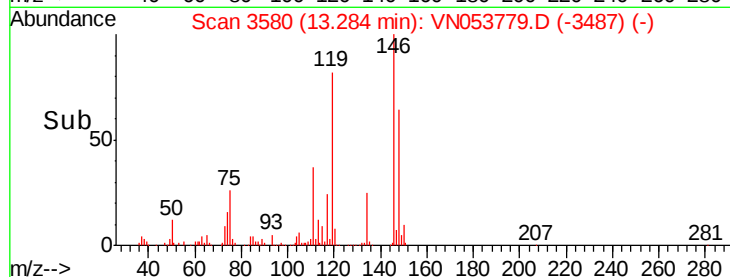
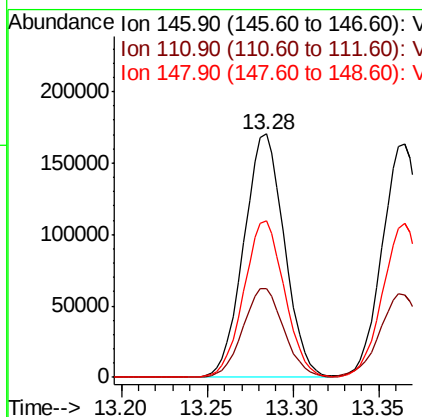
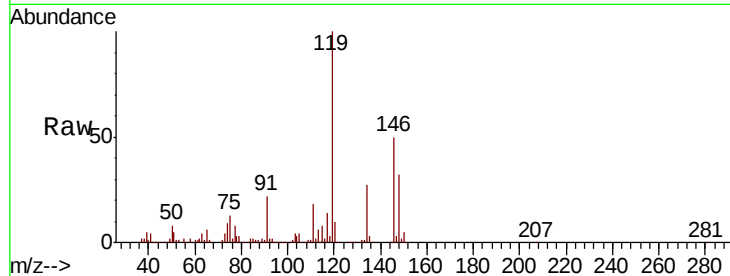
#87
 1,3-Dichlorobenzene
 Concen: 20.112 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	64.2	32.0	96.2

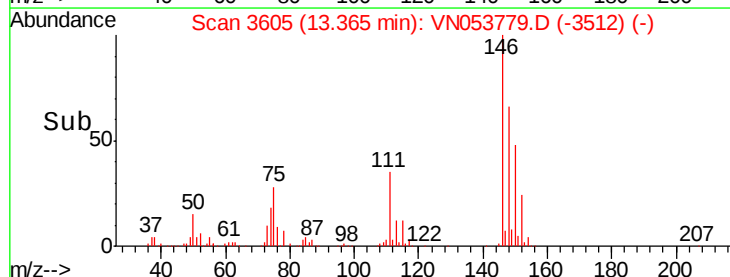
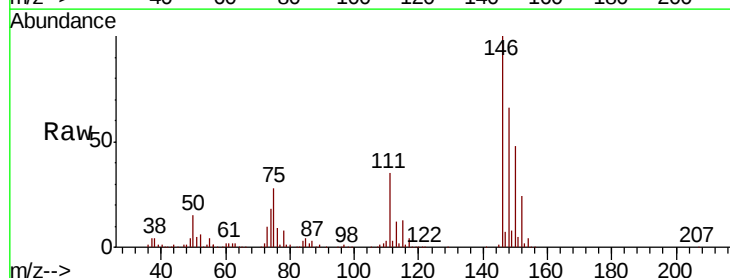
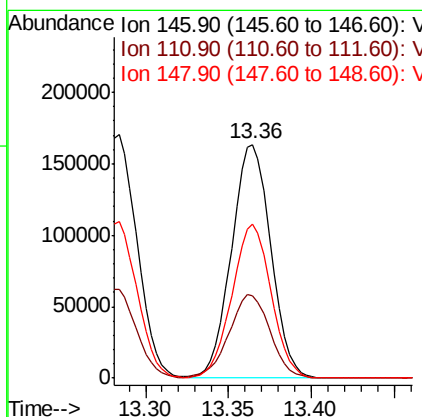
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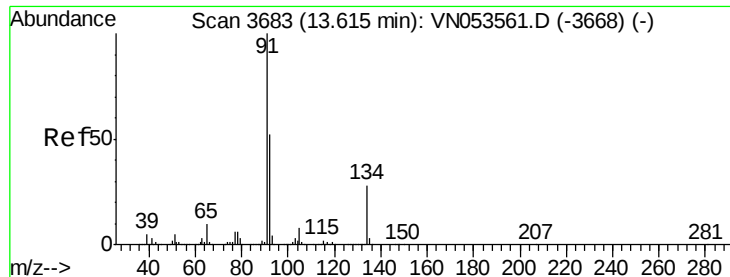
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#88
 1,4-Dichlorobenzene
 Concen: 19.570 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	65.8	32.4	97.0





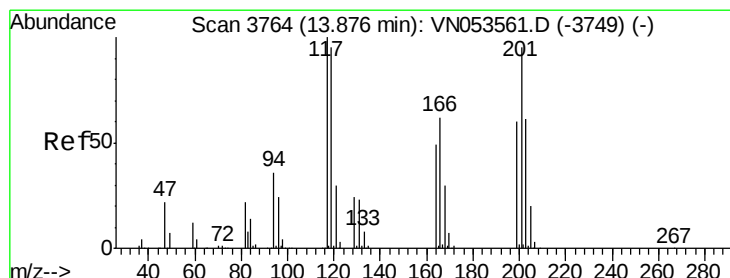
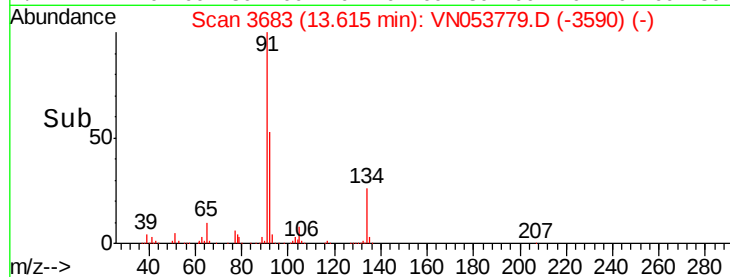
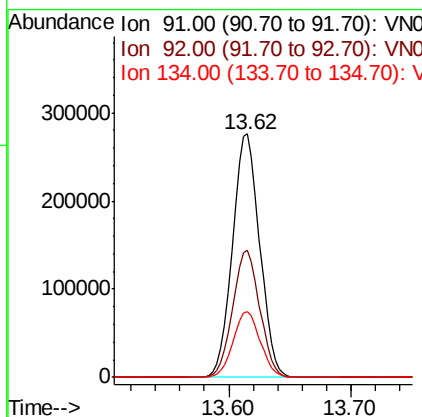
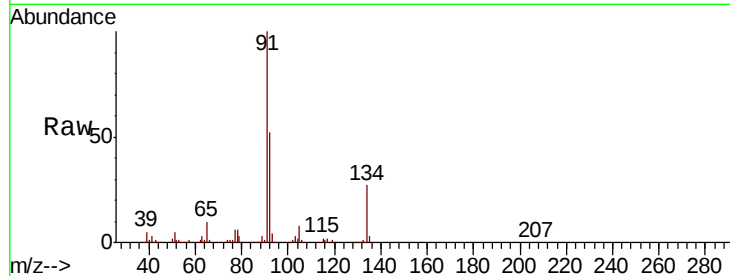
#89
n-Butylbenzene
Concen: 19.777 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.9	13.5	40.5

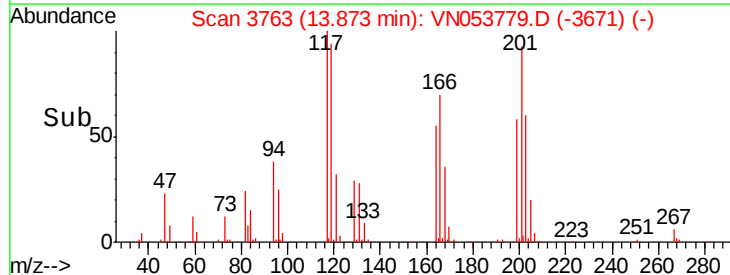
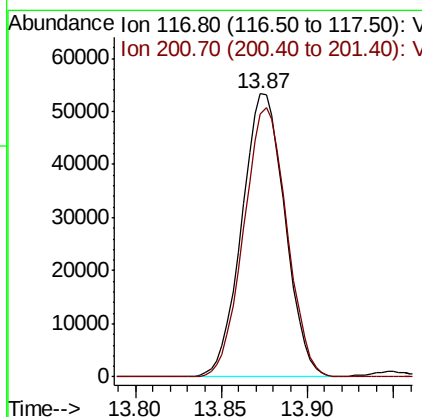
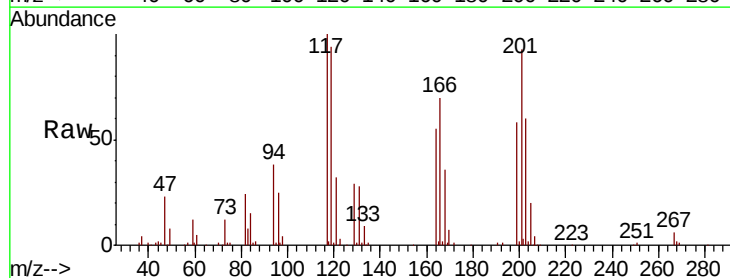
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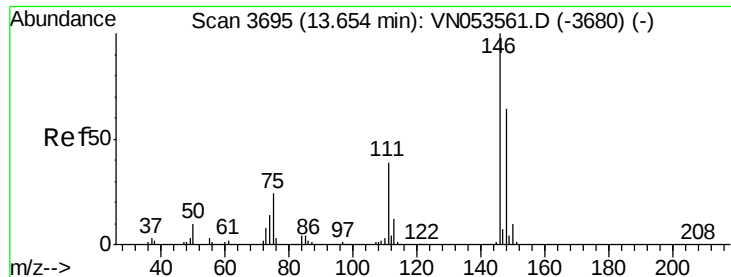
MMDadoda
2/15/2019 10:19:54 AM



#90
Hexachloroethane
Concen: 22.529 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053779.D
Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	46.8	140.4





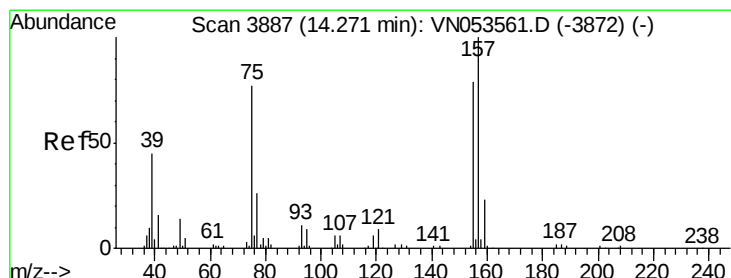
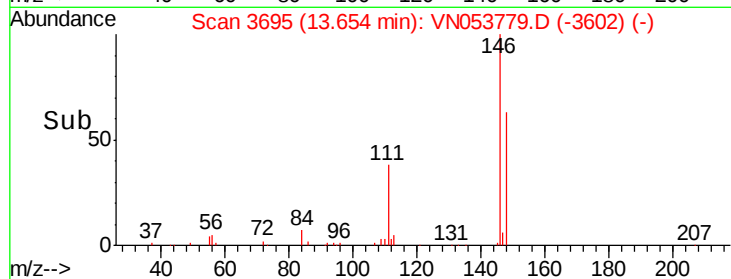
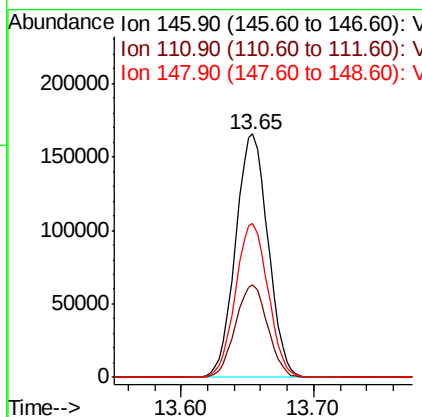
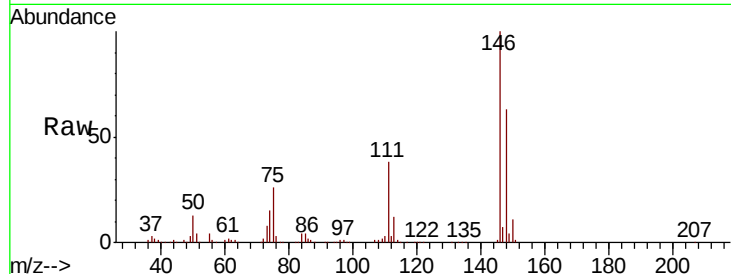
#91
 1,2-Dichlorobenzene
 Concen: 21.190 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.5	58.5
148	63.4	31.9	95.9

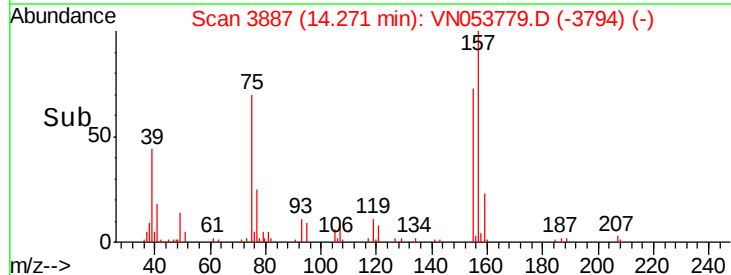
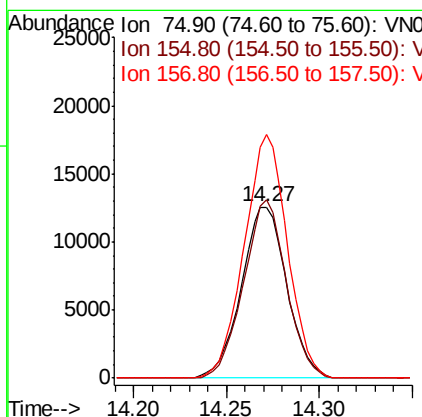
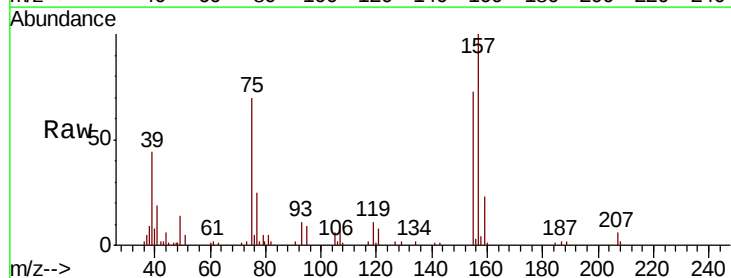
Manual Integrations
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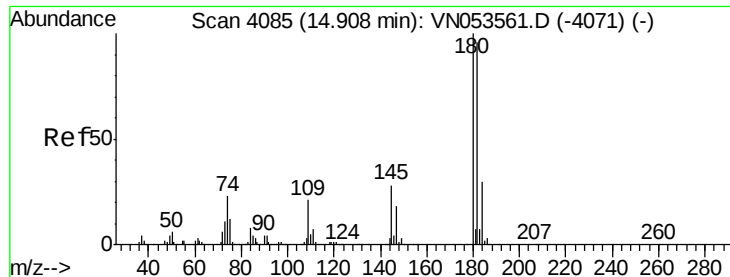
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.923 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.9	146.7
157	135.4	63.7	191.3





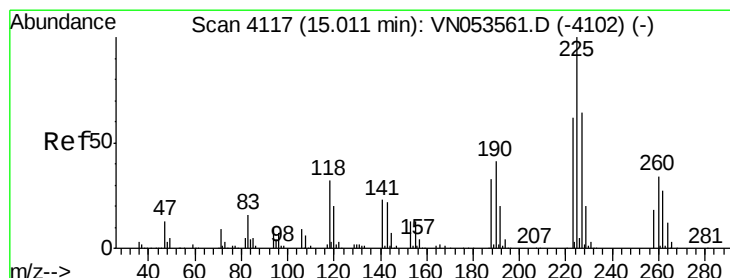
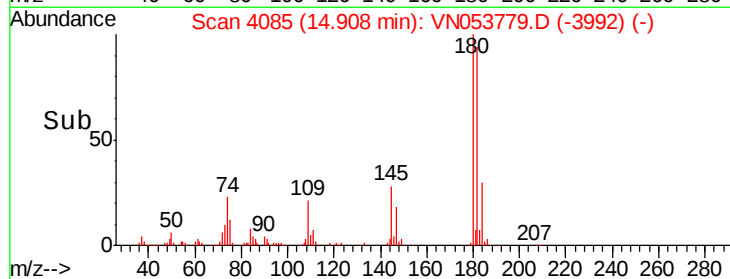
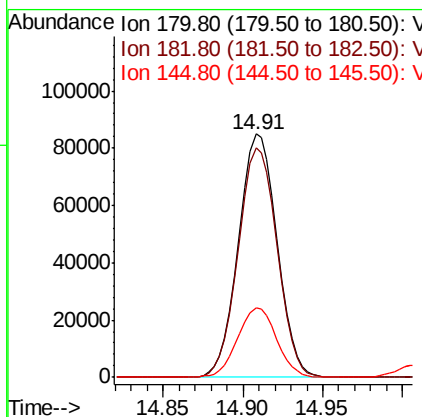
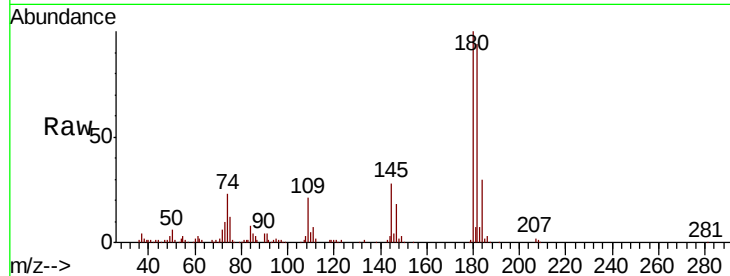
#93
 1,2,4-Trichlorobenzene
 Concen: 18.299 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139453		
182	95.0	48.1	144.3	
145	28.8	13.9	41.6	

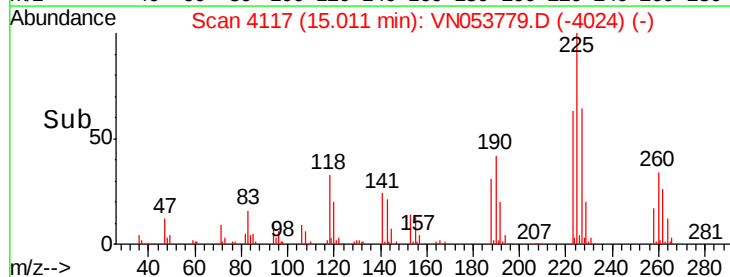
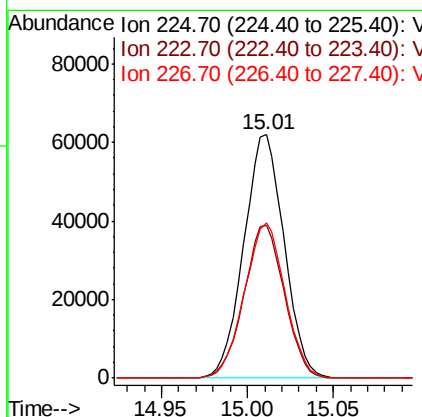
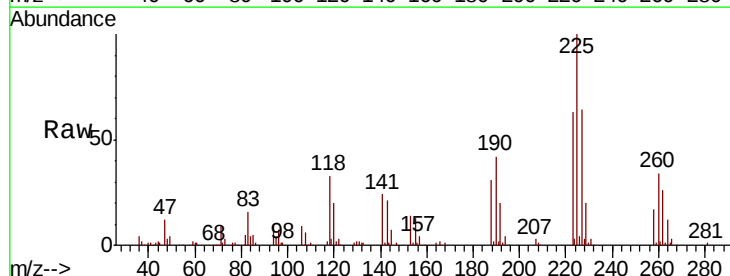
Manual Integrations
 APPROVED

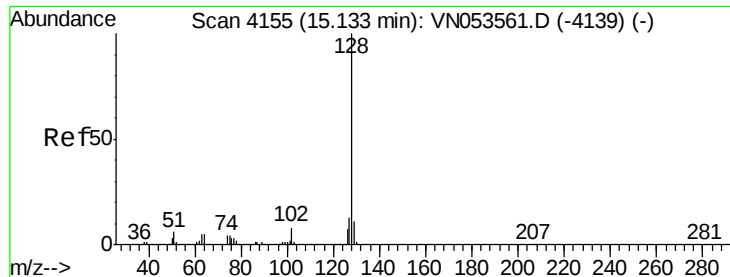
MMDadoda
 2/15/2019 10:19:54 AM



#94
 Hexachlorobutadiene
 Concen: 21.225 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053779.D
 Acq: 14 Feb 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100733		
223	62.8	31.1	93.2	
227	64.0	32.0	96.2	





#95

Naphthalene

Concen: 17.083 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Instrument :

MSVOA_N

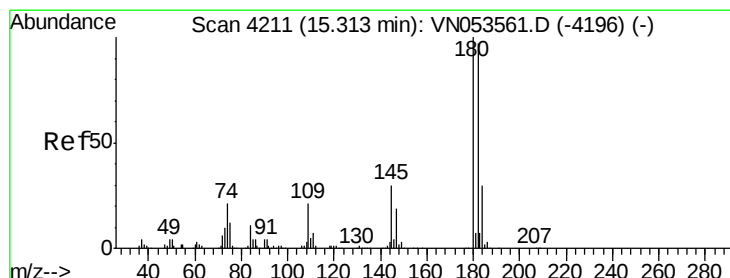
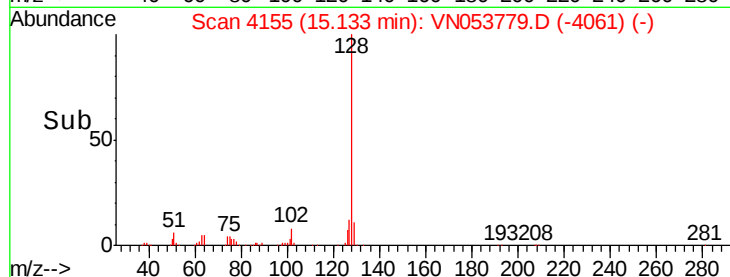
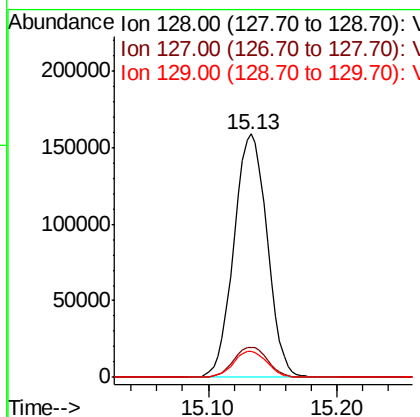
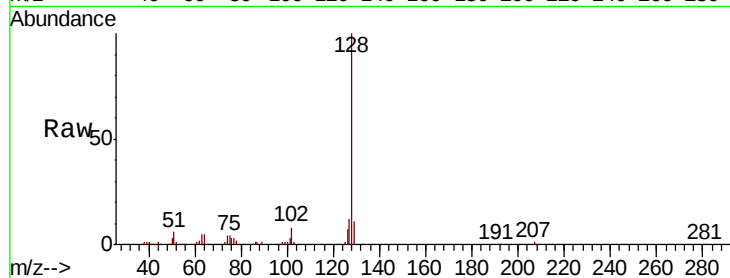
ClientSampleId :

VN0214WBSD01

Tot Ion:	128	Resp:	284624
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:19:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.637 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053779.D

Acq: 14 Feb 2019 15:09

Tgt Ion:	180	Resp:	138852
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.9	143.8
145	29.6	14.7	44.1

