

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061121.D
 Acq On : 20 Apr 2020 23:47
 Operator : JC/MD
 Sample : VN0420WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:54 PM

Quant Time: Apr 21 06:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	159273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	269540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	94748	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	7.56	113	73256	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.08	98	263802	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
62) 4-Bromofluorobenzene	12.39	95	101448	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36217	17.443	ug/l	100
3) Chloromethane	2.04	50	48469	17.158	ug/l	100
4) Vinyl Chloride	2.17	62	42234	17.991	ug/l	99
5) Bromomethane	2.55	94	21411	18.188	ug/l	97
6) Chloroethane	2.69	64	24335	17.970	ug/l	100
7) Trichlorofluoromethane	3.00	101	53695	18.373	ug/l	99
8) Diethyl Ether	3.38	74	21014	18.091	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30134	17.574	ug/l	100
10) Methyl Iodide	3.93	142	28328	18.727	ug/l	97
11) Tert butyl alcohol	4.72	59	34732	96.062	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31048	17.813	ug/l	98
13) Acrolein	3.58	56	19474	63.791	ug/l	100
14) Allyl chloride	4.29	41	55024	16.685	ug/l	99
15) Acrylonitrile	4.94	53	93632	95.512	ug/l	98
16) Acetone	3.78	43	76902	85.738	ug/l	98
17) Carbon Disulfide	4.03	76	94327	17.295	ug/l	100
18) Methyl Acetate	4.29	43	55192	19.623	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	110318	18.152	ug/l	99
20) Methylene Chloride	4.52	84	35337	18.045	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	33721	18.089	ug/l	98
22) Diisopropyl ether	5.91	45	123407	18.018	ug/l	98
23) Vinyl Acetate	5.86	43	476465	88.712	ug/l	100
24) 1,1-Dichloroethane	5.82	63	67039	18.123	ug/l	100
25) 2-Butanone	6.80	43	126395	91.961	ug/l	100
26) 2,2-Dichloropropane	6.79	77	48017	15.590	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	38751	18.106	ug/l	98
28) Bromochloromethane	7.17	49	30809	18.144	ug/l	99
29) Tetrahydrofuran	7.18	42	86665	92.880	ug/l	99
30) Chloroform	7.35	83	63232	18.326	ug/l	100
31) Cyclohexane	7.63	56	64977	17.117	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	54487	18.257	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49193	17.686	ug/l	99
37) Ethyl Acetate	6.89	43	54552	18.063	ug/l	99
38) Carbon Tetrachloride	7.75	117	42136	18.200	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56339	16.942	ug/l	98
40) Benzene	8.02	78	146744	17.784	ug/l	99
41) Methacrylonitrile	7.14	41	22280m	17.687	ug/l	
42) 1,2-Dichloroethane	8.10	62	51972	18.489	ug/l	100
43) Isopropyl Acetate	8.14	43	88448	18.007	ug/l	99
44) Trichloroethene	8.82	130	36766	17.732	ug/l	99
45) 1,2-Dichloropropane	9.10	63	39371	17.665	ug/l	99
46) Dibromomethane	9.19	93	23733	18.469	ug/l	99
47) Bromodichloromethane	9.38	83	49653	18.291	ug/l	98
48) Methyl methacrylate	9.18	41	38569	17.768	ug/l	99
49) 1,4-Dioxane	9.18	88	11057	375.549	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	263998	93.234	ug/l	100
52) Toluene	10.14	92	87105	17.596	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	55498	17.600	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	60151	17.483	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	34958	18.661	ug/l	99
56) Ethyl methacrylate	10.42	69	52720	17.897	ug/l	98
57) 1,3-Dichloropropane	10.70	76	60377	18.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	118429	88.476	ug/l	100
59) 2-Hexanone	10.74	43	189857	92.973	ug/l	100
60) Dibromochloromethane	10.89	129	34911	18.142	ug/l	99
61) 1,2-Dibromoethane	10.99	107	34313	17.975	ug/l	99
64) Tetrachloroethene	10.62	164	34635	18.589	ug/l	99
65) Chlorobenzene	11.42	112	88459	17.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	32621	18.140	ug/l	100
67) Ethyl Benzene	11.50	91	167606	17.727	ug/l	99
68) m/p-Xylenes	11.61	106	121423	35.534	ug/l	99
69) o-Xylene	11.94	106	58299	17.745	ug/l	100
70) Styrene	11.96	104	94321	17.833	ug/l	99
71) Bromoform	12.12	173	24204	18.031	ug/l #	100
73) Isopropylbenzene	12.24	105	158286	17.811	ug/l	100
74) N-amyl acetate	12.06	43	71994	17.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49868	18.382	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48235m	19.769	ug/l	
77) Bromobenzene	12.52	156	36804	17.737	ug/l	100
78) n-propylbenzene	12.58	91	186071	17.896	ug/l	100
79) 2-Chlorotoluene	12.67	91	108794	17.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	130718	17.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	16122	16.298	ug/l	98
82) 4-Chlorotoluene	12.77	91	113432	17.935	ug/l	100
83) tert-Butylbenzene	12.99	119	111336	18.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	130801	18.014	ug/l	99
85) sec-Butylbenzene	13.17	105	150851	18.022	ug/l	99
86) p-Isopropyltoluene	13.28	119	131055	17.583	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	65856	17.809	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	65304	17.554	ug/l	99
89) n-Butylbenzene	13.61	91	118026	17.028	ug/l	100
90) Hexachloroethane	13.87	117	20246	17.704	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	64182	18.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10249	19.521	ug/l	96

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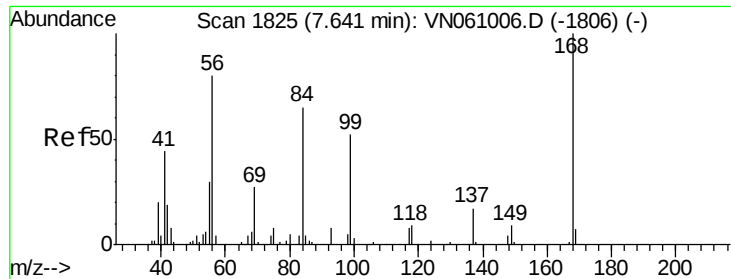
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37244	17.829	ug/l	98
94) Hexachlorobutadiene	15.01	225	18289	17.019	ug/l	98
95) Naphthalene	15.13	128	111568	18.313	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	35958	17.862	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

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ClientSampleId :

VN0420WBSD02

Tot Ion:168 Resp: 159273

Ion Ratio Lower Upper

168 100

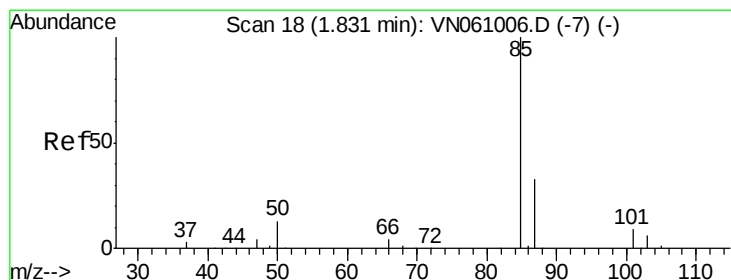
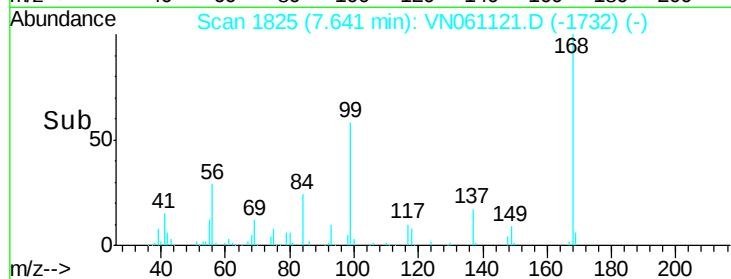
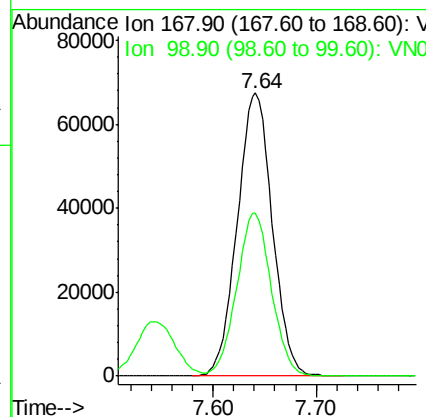
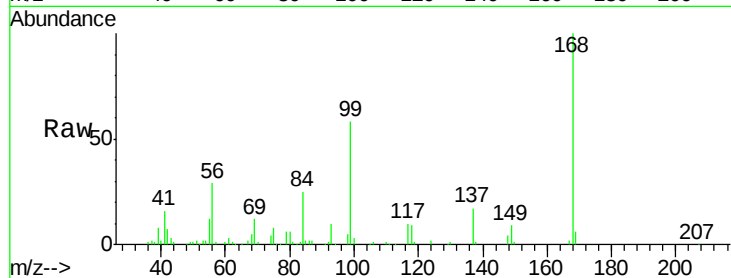
99 57.6 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.443 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061121.D

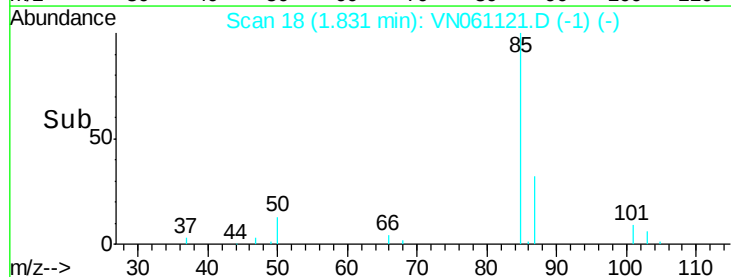
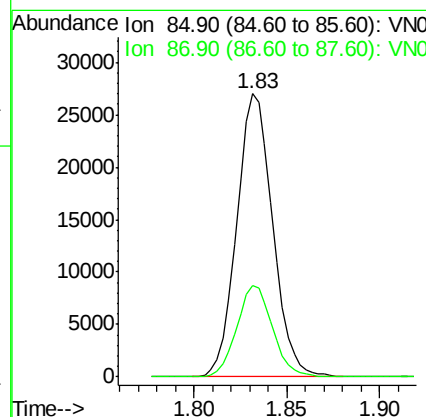
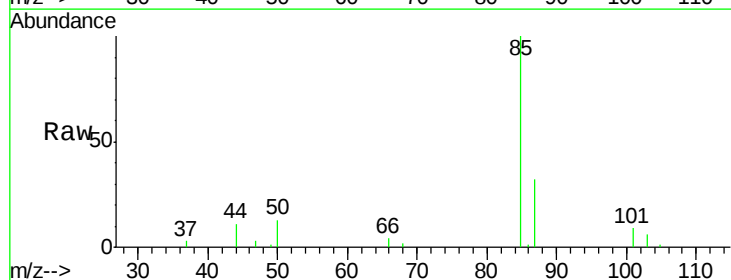
Acq: 20 Apr 2020 23:47

Tgt Ion: 85 Resp: 36217

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9





#3

Chloromethane

Concen: 17.158 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 50 Resp: 48469

Ion Ratio Lower Upper

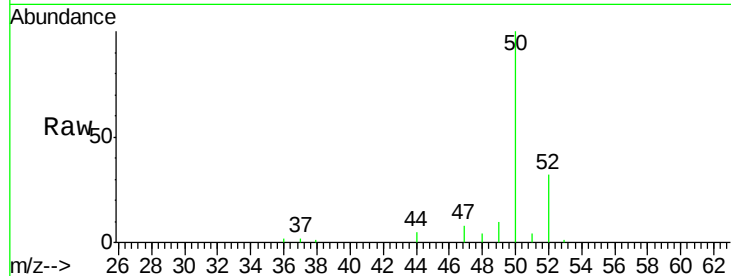
50 100

52 32.3 25.6 38.4

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

40000

30000

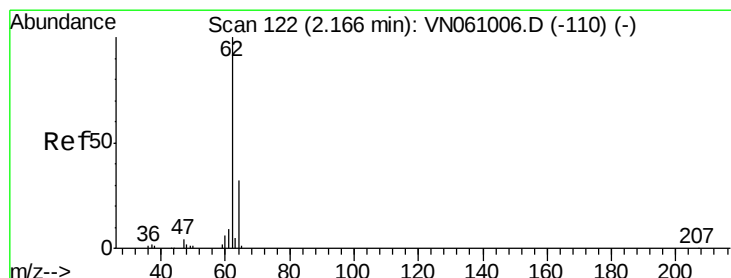
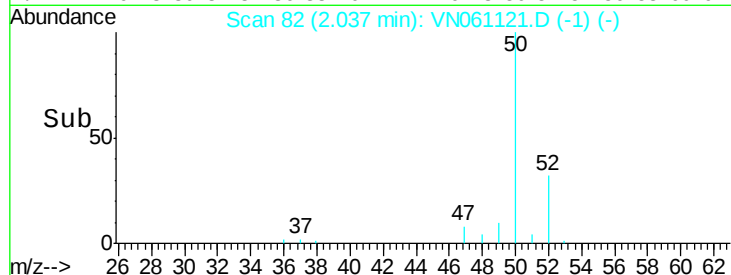
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 17.991 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061121.D

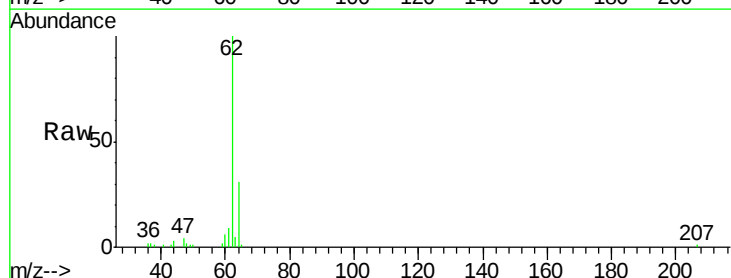
Acq: 20 Apr 2020 23:47

Tgt Ion: 62 Resp: 42234

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

30000

25000

20000

15000

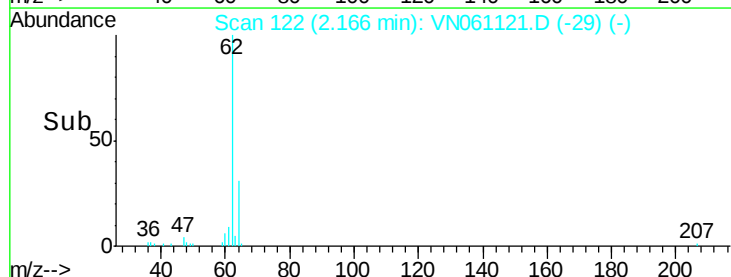
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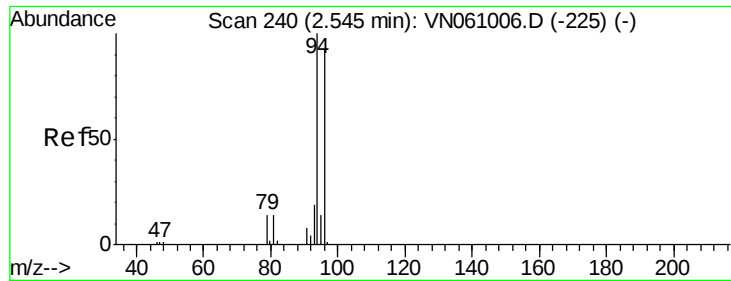
5000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 18.188 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 94 Resp: 21411

Ion Ratio Lower Upper

94 100

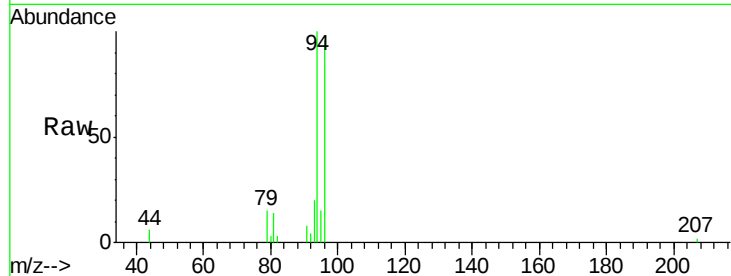
96 96.1 74.3 111.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

12000

10000

8000

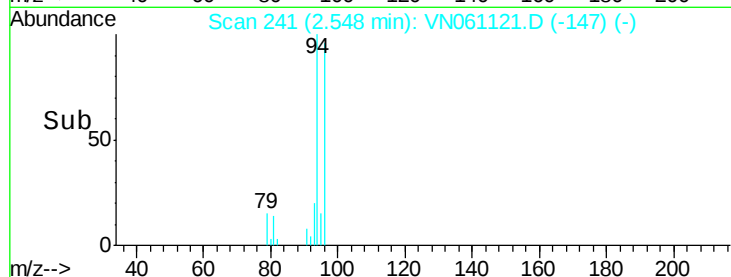
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4000

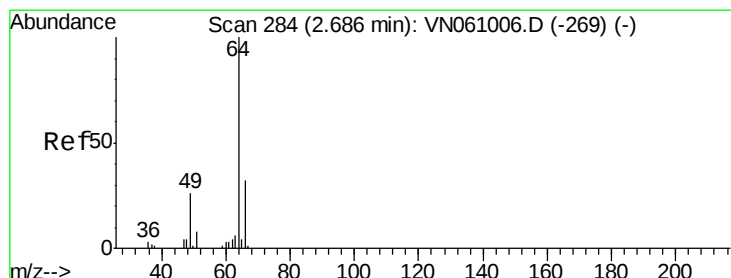
2000

0

Time-->



Time-->



#6

Chloroethane

Concen: 17.970 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061121.D

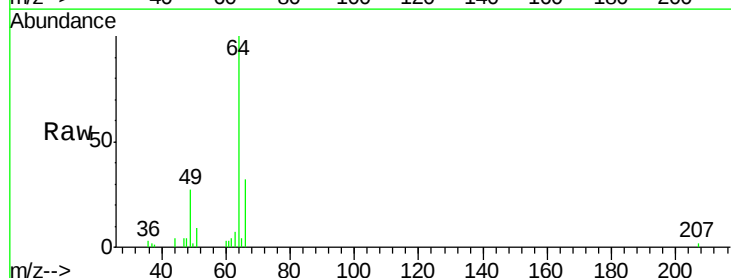
Acq: 20 Apr 2020 23:47

Tgt Ion: 64 Resp: 24335

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

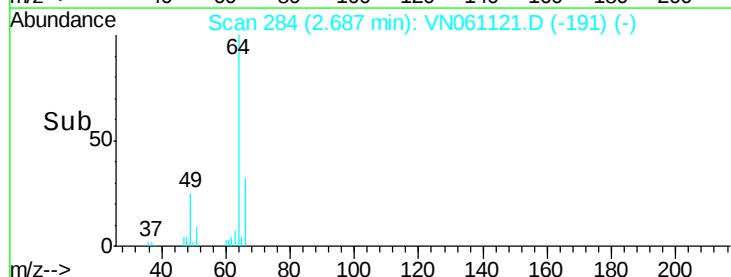
Ion 65.90 (65.60 to 66.60): VN0

10000

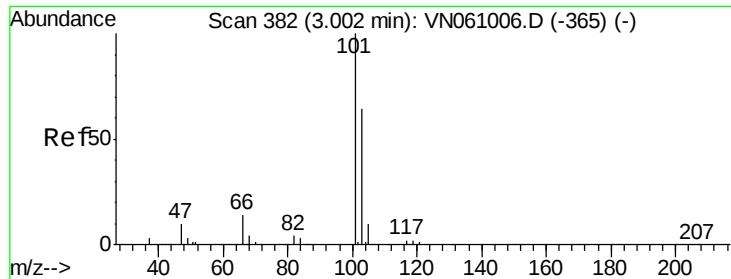
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0

Time-->



Time-->



#7

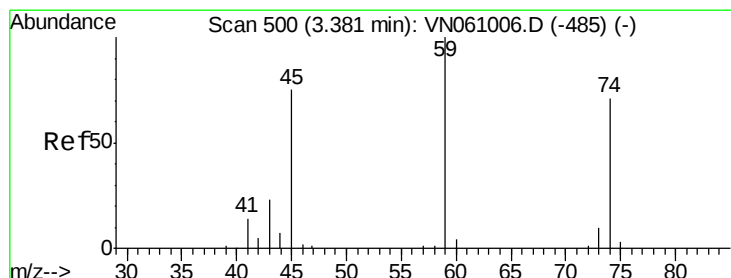
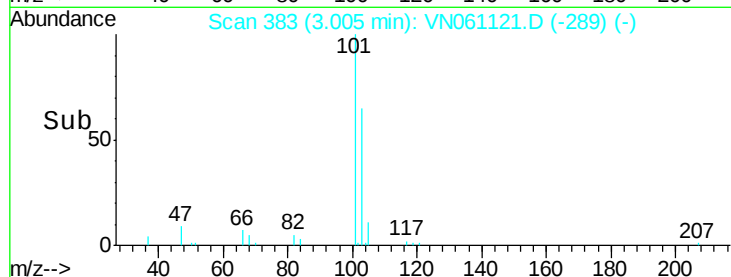
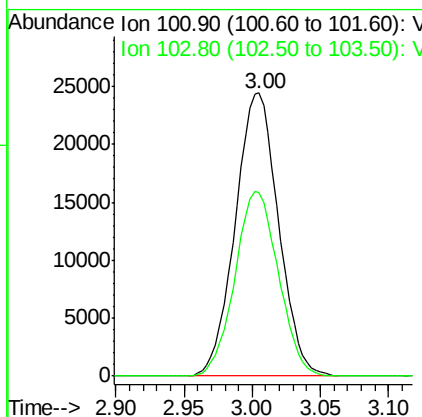
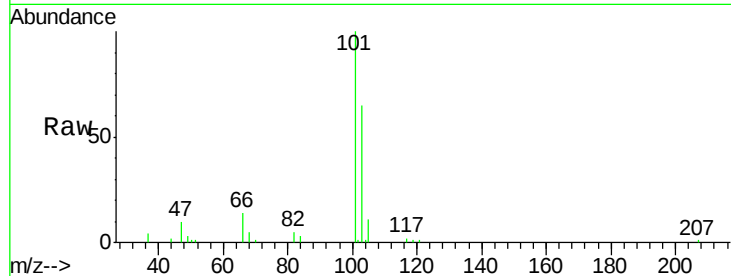
Trichlorofluoromethane
 Concen: 18.373 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

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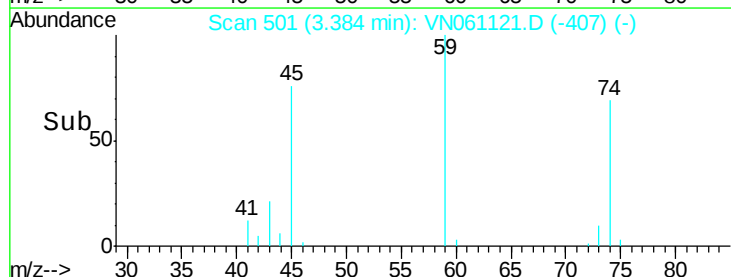
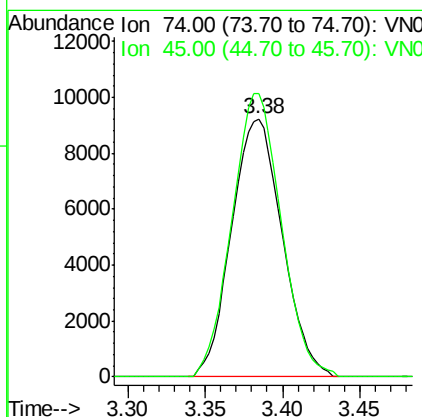
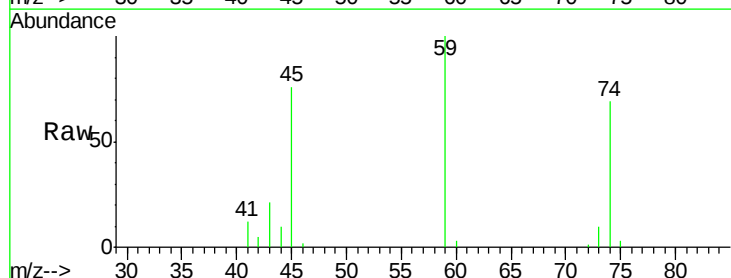
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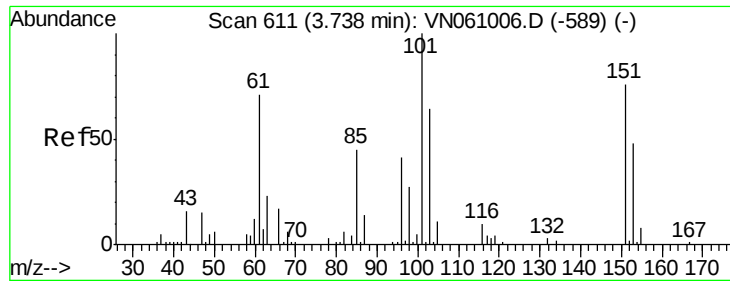


#8

Diethyl Ether
 Concen: 18.091 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.574 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

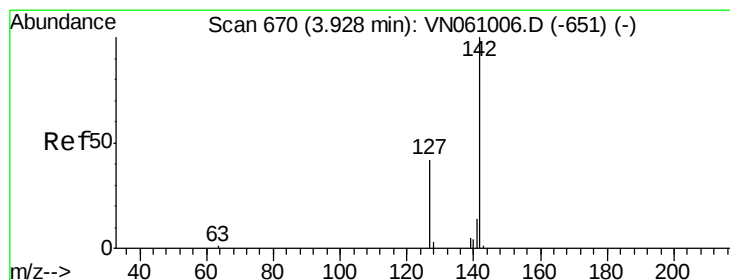
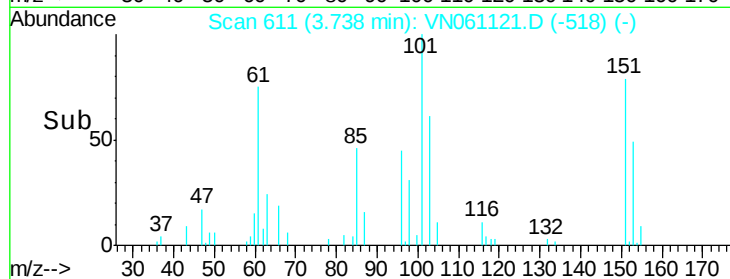
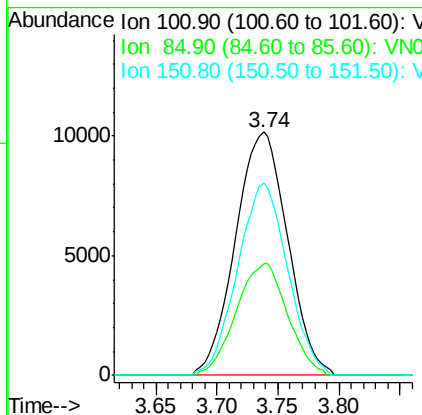
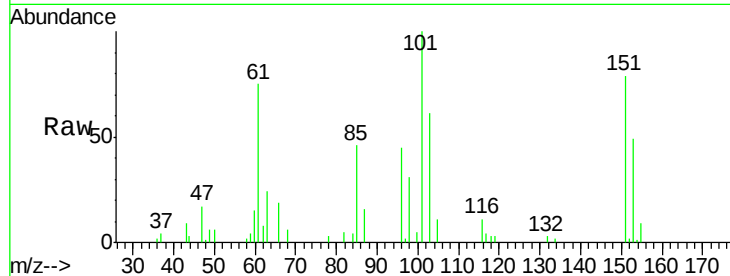
ClientSampleId :

VN0420WBSD02

Tot Ion:	101	Resp:	30134
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.9	53.9
151	75.9	60.8	91.2

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#10

Methyl Iodide

Concen: 18.727 ug/l

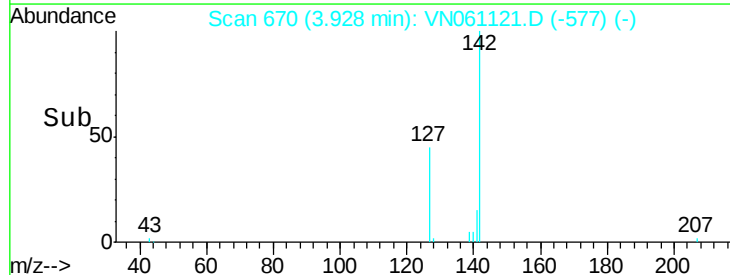
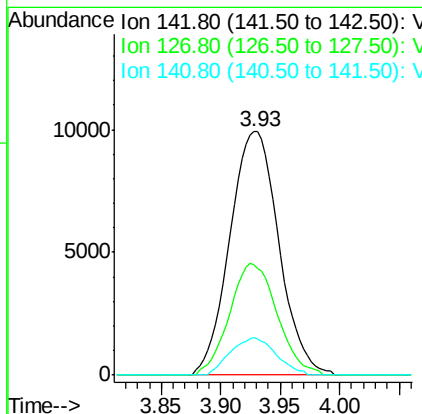
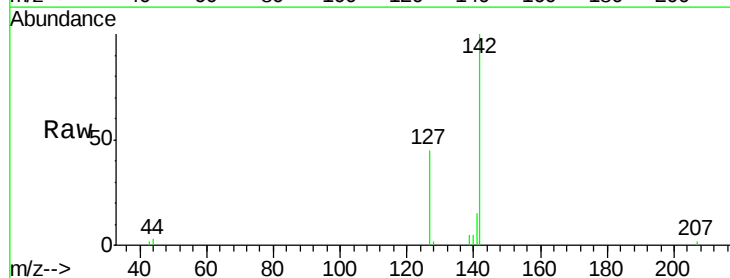
RT: 3.93 min Scan# 670

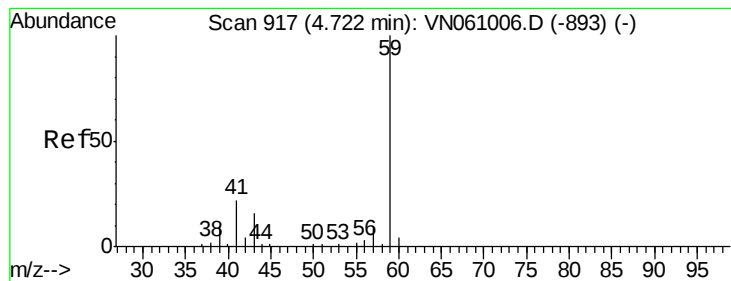
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	142	Resp:	28328
Ion Ratio	Lower	Upper	
142	100		
127	44.4	33.4	50.2
141	14.3	11.0	16.6





#11

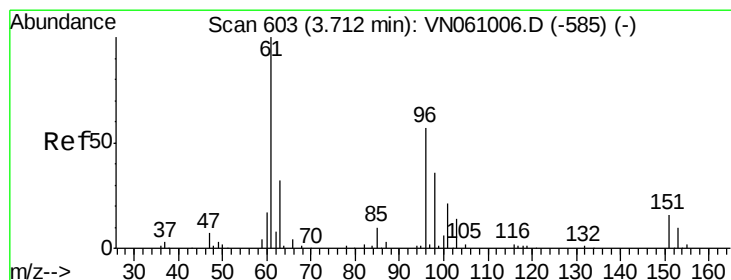
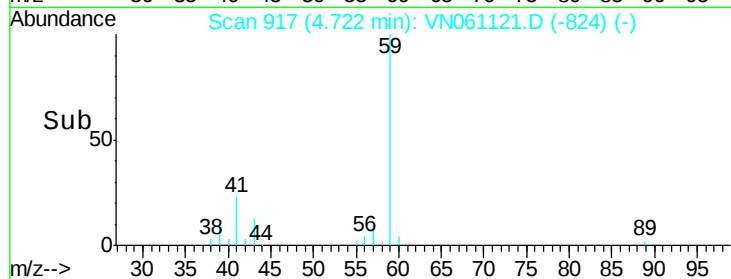
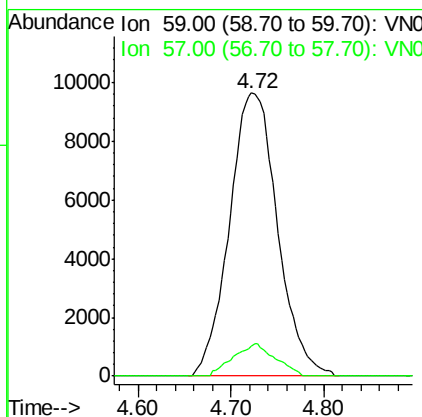
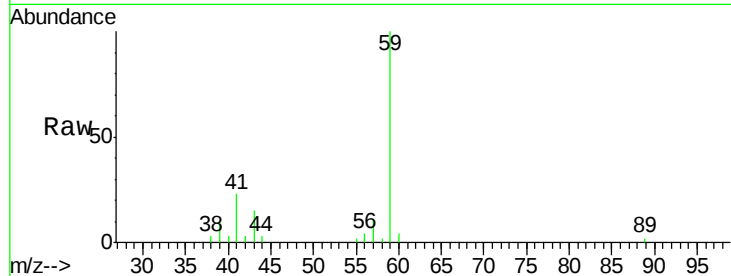
Tert butyl alcohol
 Concen: 96.062 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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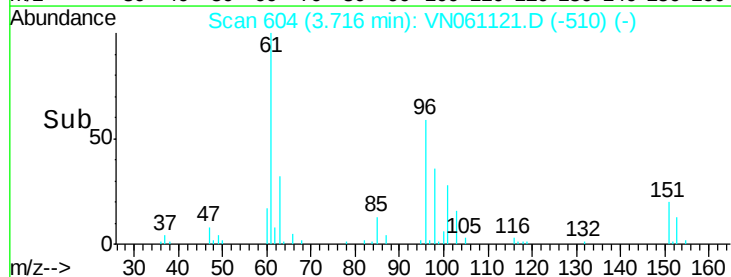
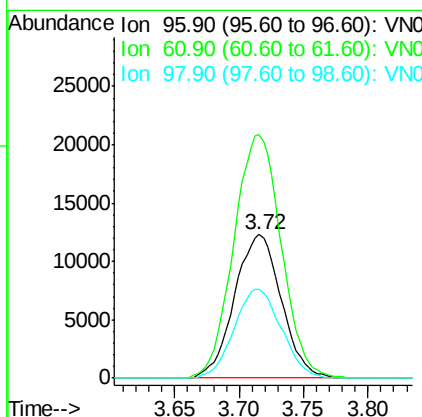
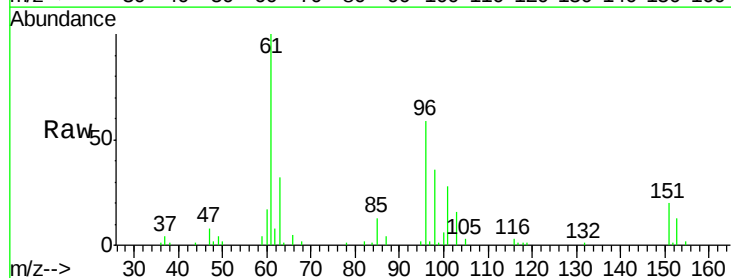
MMDadoda
 4/21/2020 12:02:54 PM



#12

1,1-Dichloroethene
 Concen: 17.813 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	139.2	208.8
98	61.8	50.0	75.0





#13

Acrolein

Concen: 63.791 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 56 Resp: 19474

Ion Ratio Lower Upper

56 100

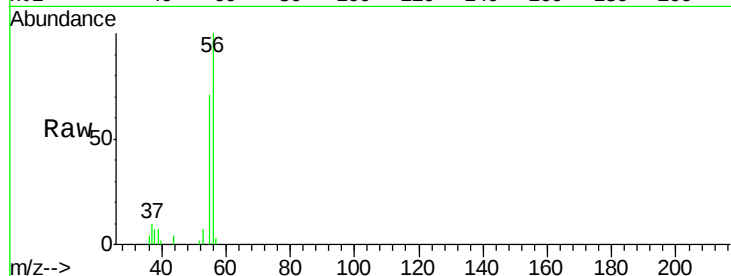
55 71.3 57.0 85.6

Manual Integrations

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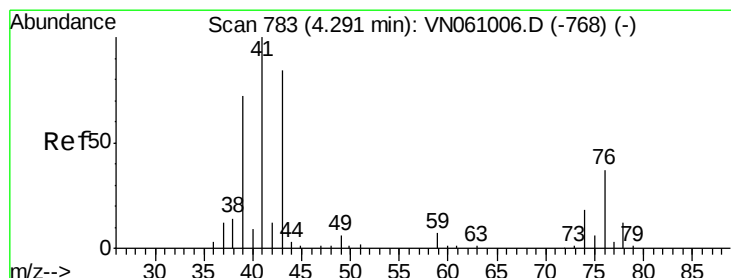
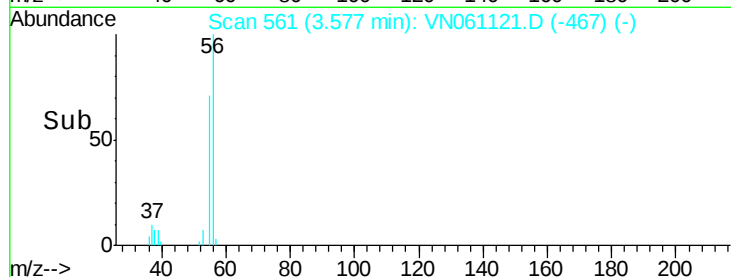
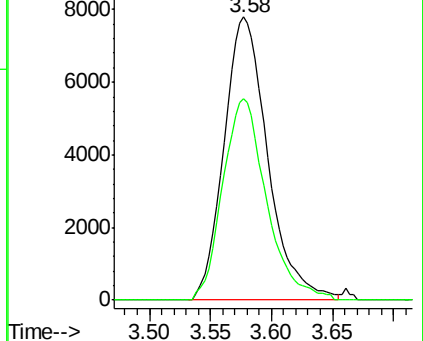
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Abundance Ion 56.00 (55.70 to 56.70): VN061006.D (-544) (-)

Ion 55.00 (54.70 to 55.70): VN061006.D (-544) (-)



#14

Allyl chloride

Concen: 16.685 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

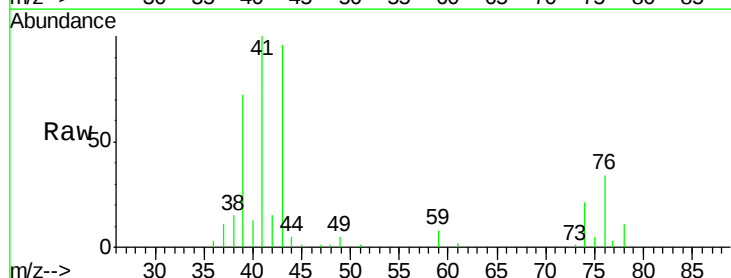
Tgt Ion: 41 Resp: 55024

Ion Ratio Lower Upper

41 100

39 71.4 56.3 84.5

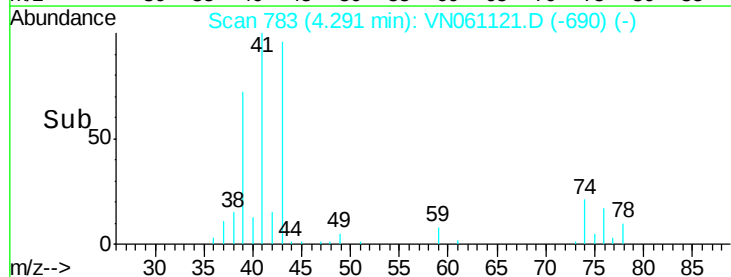
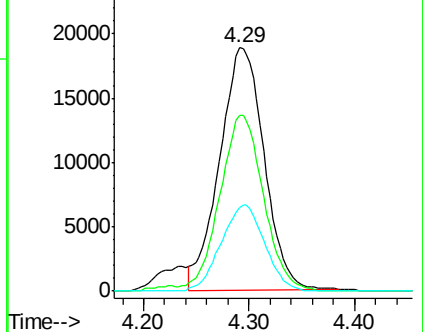
76 34.6 27.7 41.5

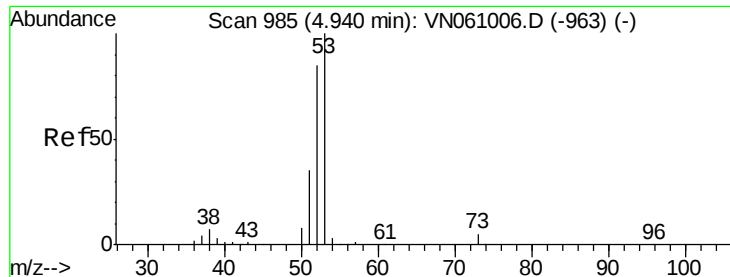


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-768) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-768) (-)

Ion 75.90 (75.60 to 76.60): VN061006.D (-768) (-)





#15

Acrylonitrile

Concen: 95.512 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

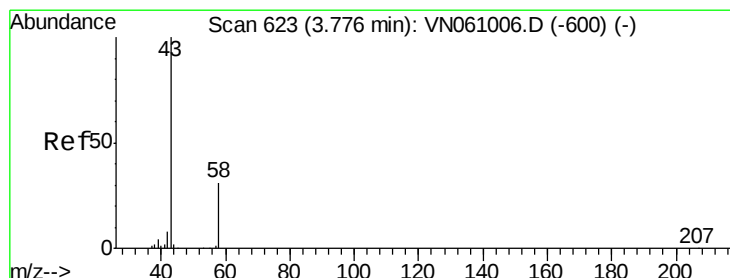
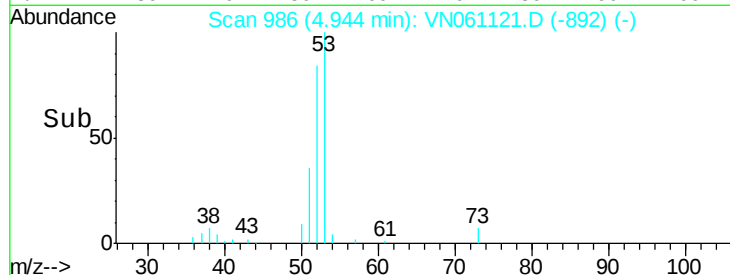
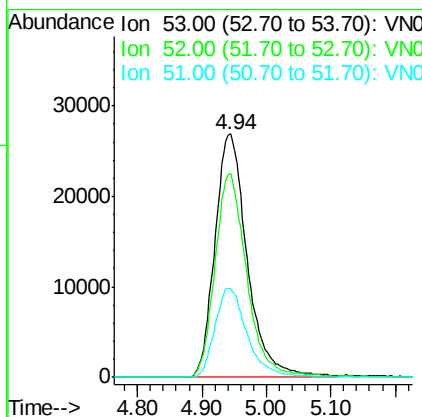
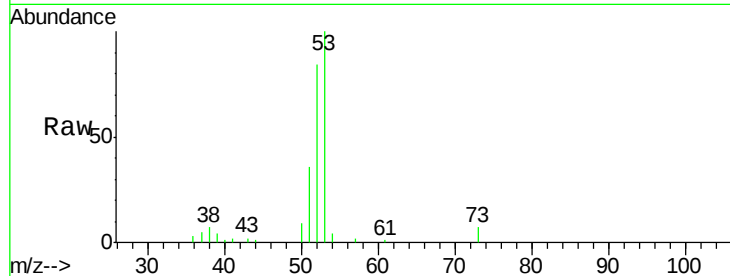
ClientSampleId :

VN0420WBSD02

Tot Ion:	53	Resp:	93632
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.8	100.2
51	36.5	28.9	43.3

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#16

Acetone

Concen: 85.738 ug/l

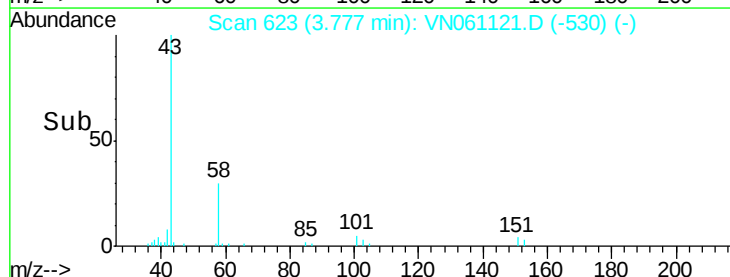
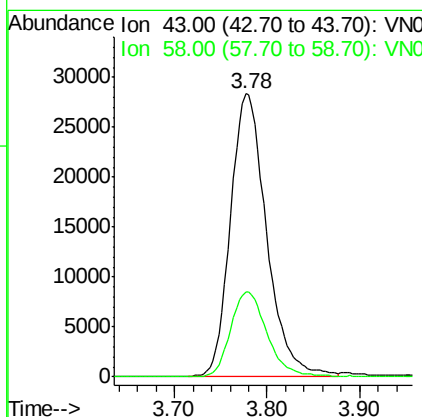
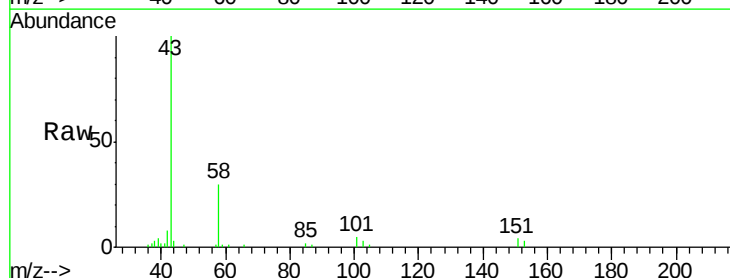
RT: 3.78 min Scan# 623

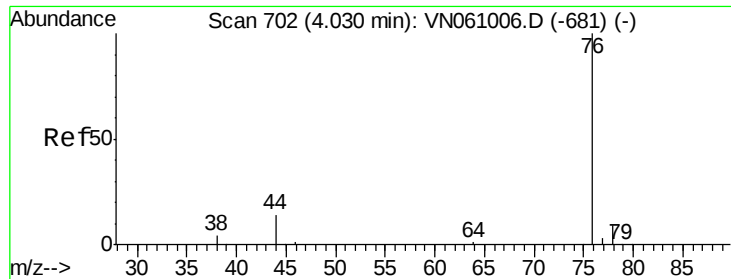
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	43	Resp:	76902
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	37.0





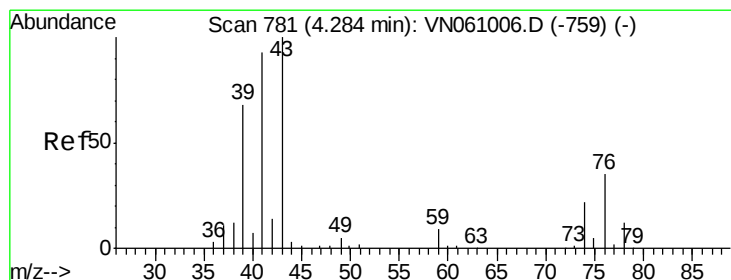
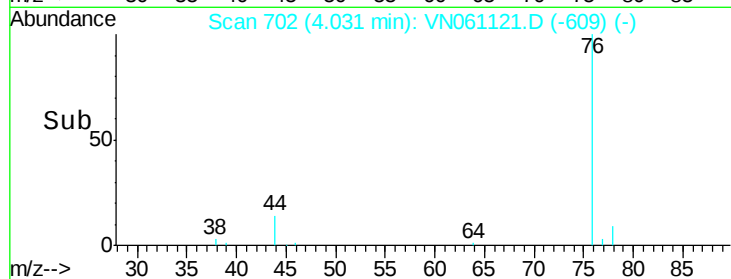
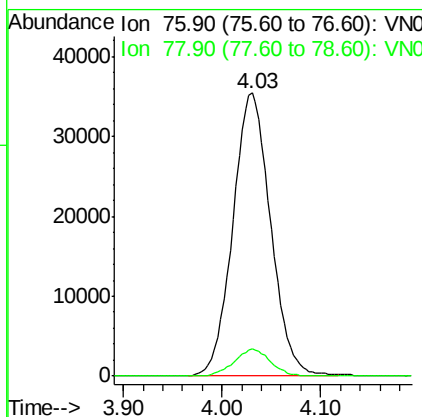
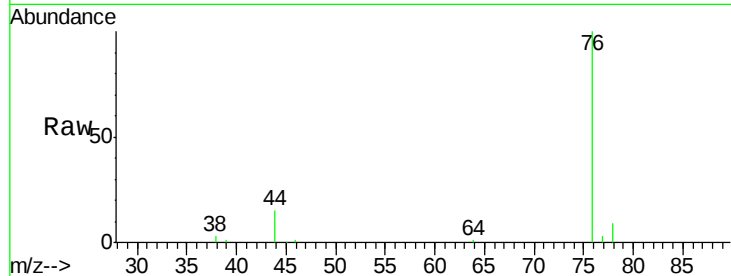
#17
Carbon Disulfide
Concen: 17.295 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

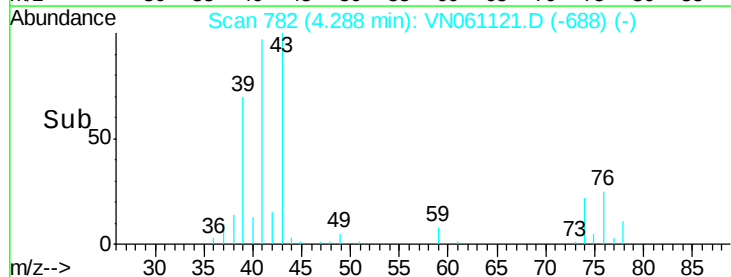
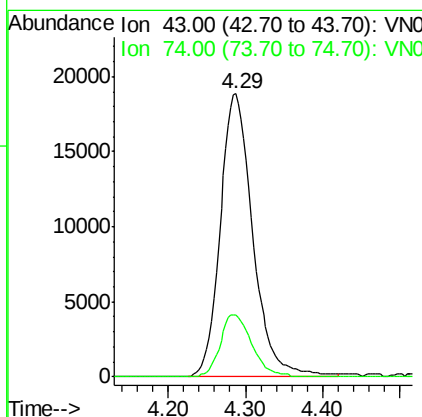
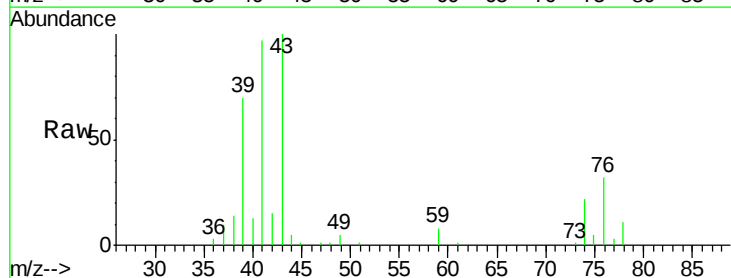
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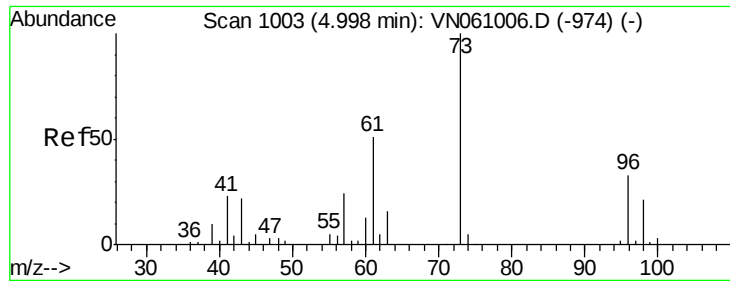
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#18
Methyl Acetate
Concen: 19.623 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.0





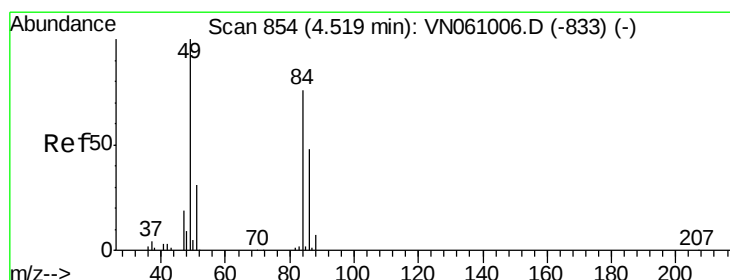
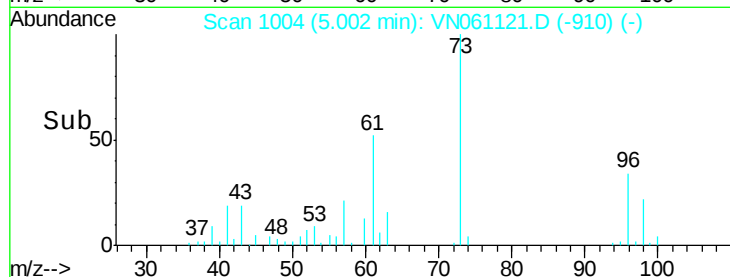
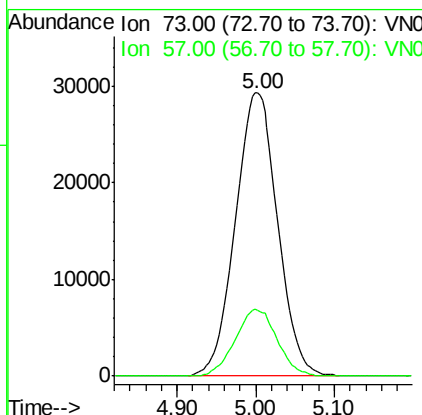
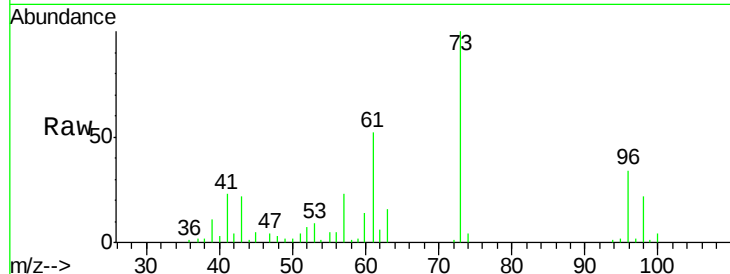
#19
Methvl tert-butvl Ether
Concen: 18.152 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 73 Resp: 110318
Ion Ratio Lower Upper
73 100
57 23.3 19.0 28.4

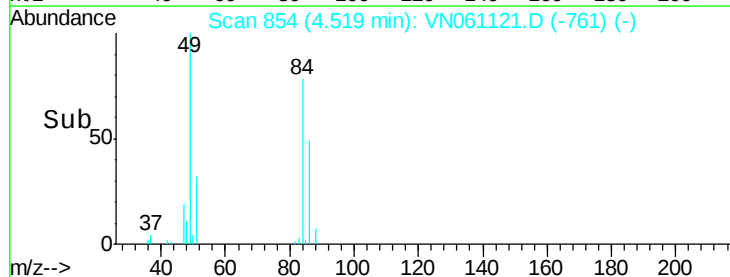
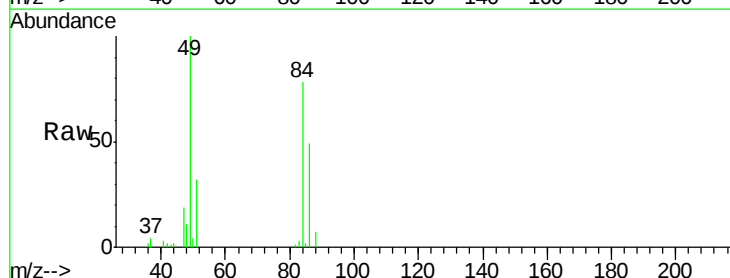
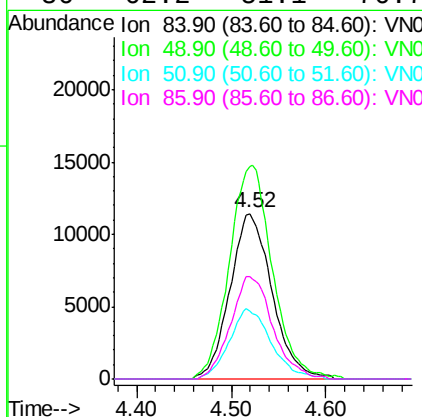
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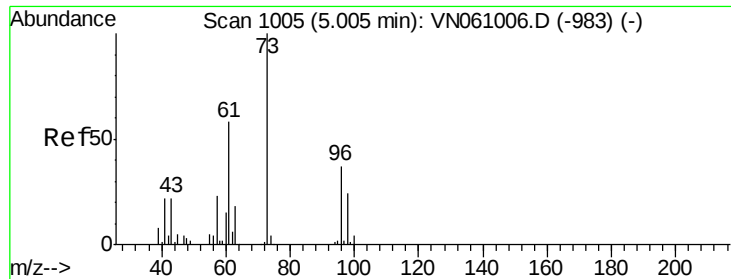
MMDadoda
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#20
Methylene Chloride
Concen: 18.045 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 84 Resp: 35337
Ion Ratio Lower Upper
84 100
49 128.1 105.8 158.6
51 40.7 32.4 48.6
86 62.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.089 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

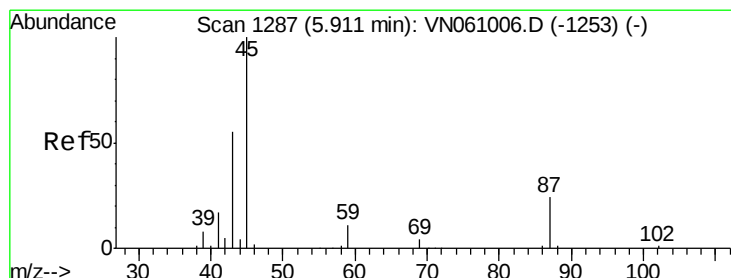
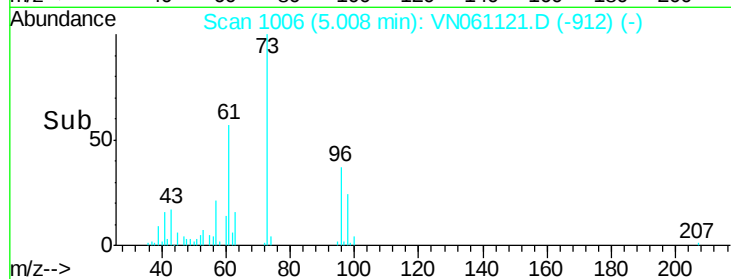
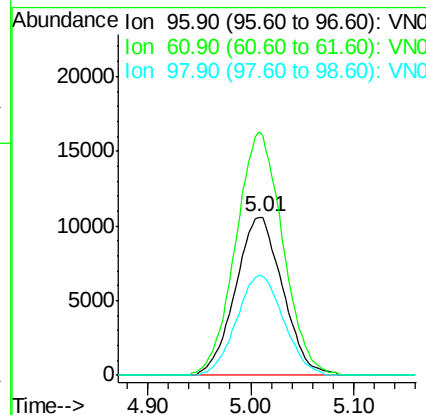
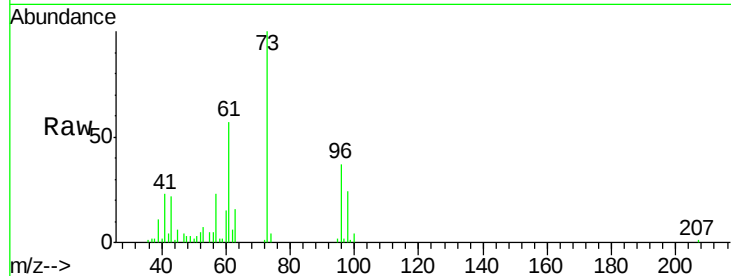
ClientSampleId :

VN0420WBSD02

Tot Ion:	96	Resp:	33721
Ion	Ratio	Lower	Upper
96	100		
61	153.7	124.8	187.2
98	63.3	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.018 ug/l

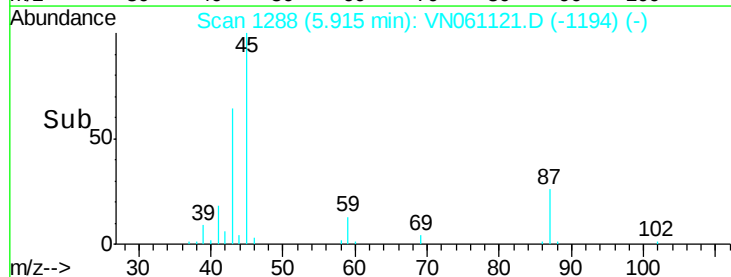
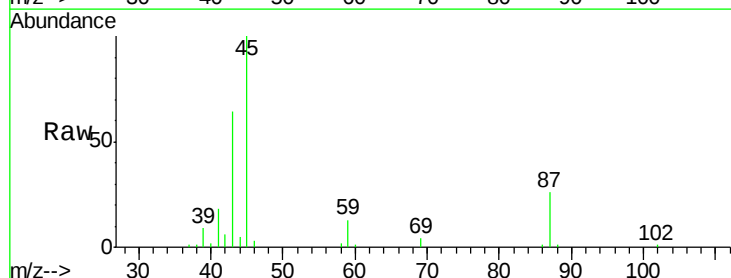
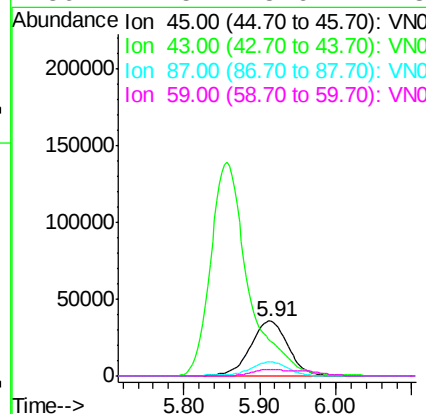
RT: 5.91 min Scan# 1288

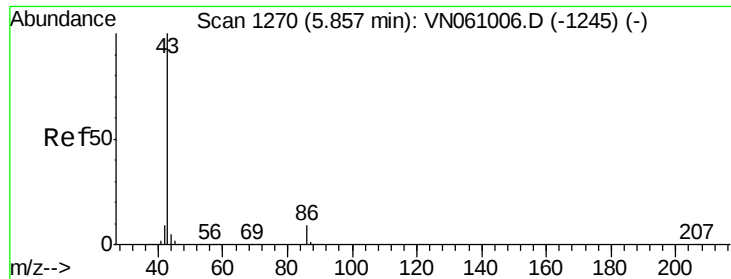
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	45	Resp:	123407
Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.6	72.8
87	25.9	19.4	29.2
59	12.5	8.6	12.8





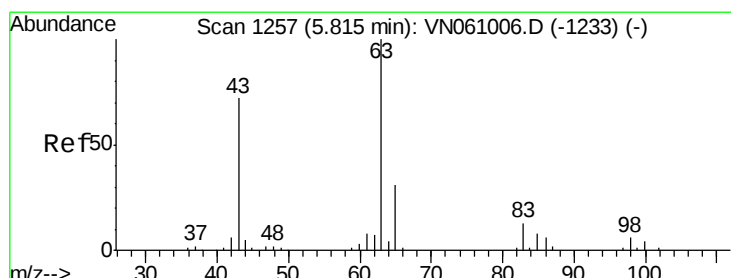
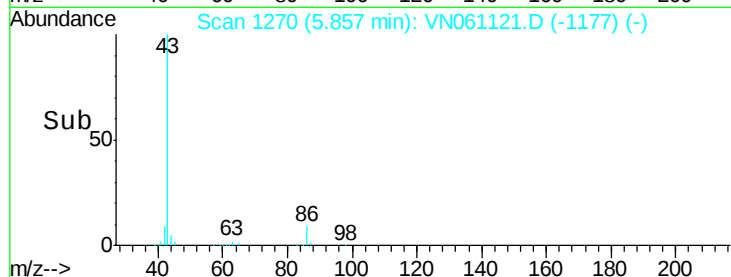
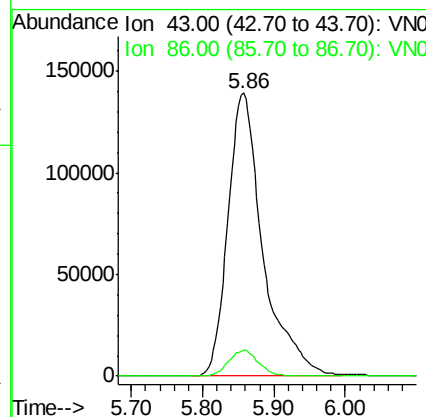
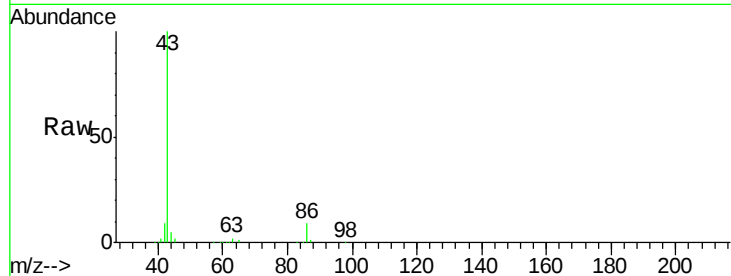
#23
 Vinyl Acetate
 Concen: 88.712 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0420WBSD02

Tot Ion	43	Resp	476465
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.3	10.9

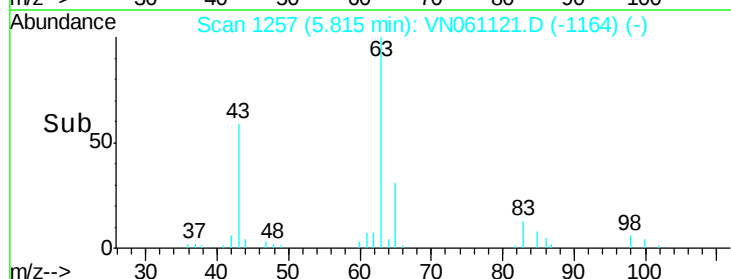
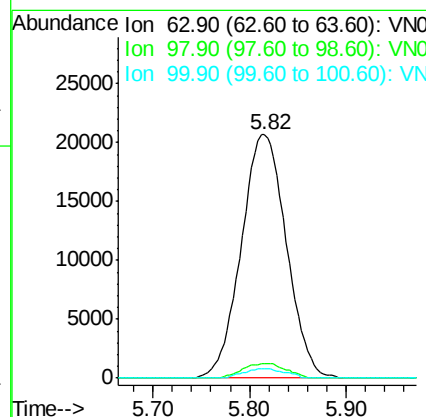
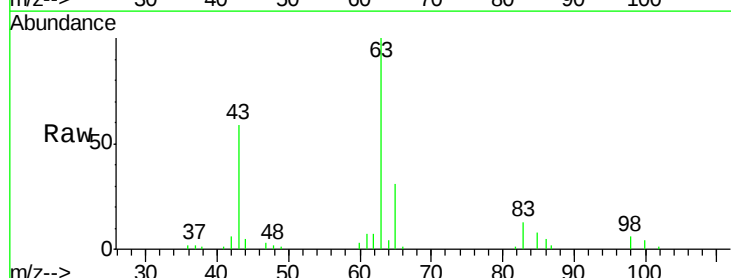
Manual Integrations
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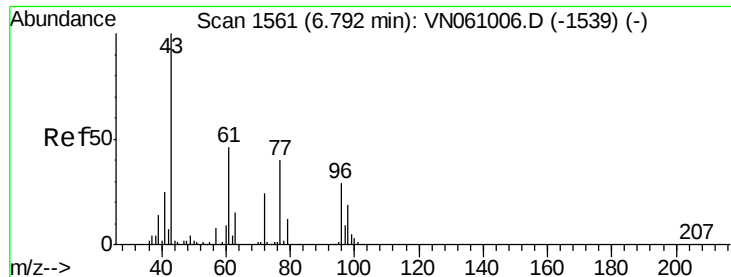
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#24
 1,1-Dichloroethane
 Concen: 18.123 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	63	Resp	67039
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	2.9	8.8
100	4.0	2.0	5.8





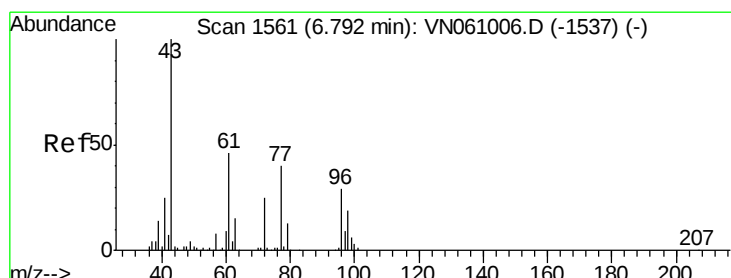
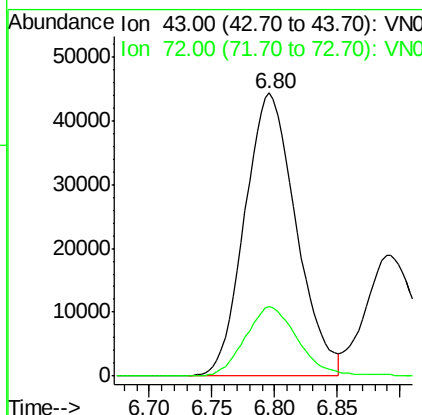
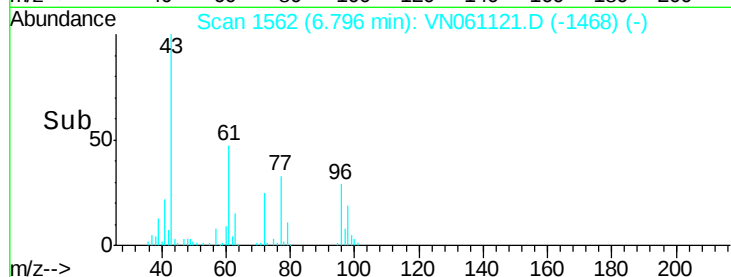
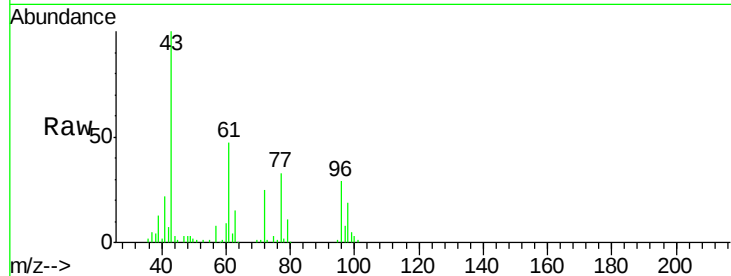
#25
2-Butanone
Concen: 91.961 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 43 Resp: 126395
Ion Ratio Lower Upper
43 100
72 24.7 19.6 29.4

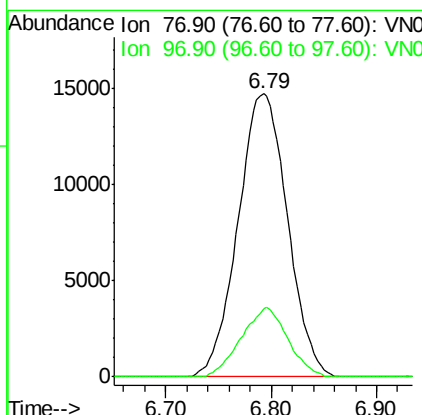
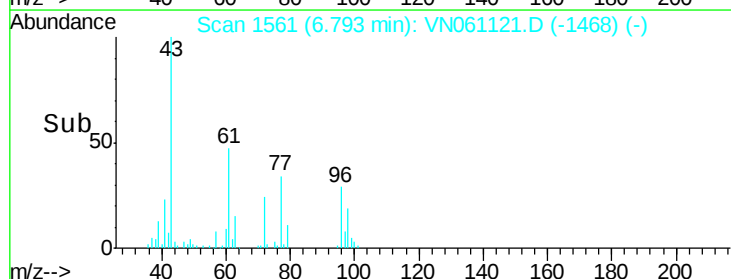
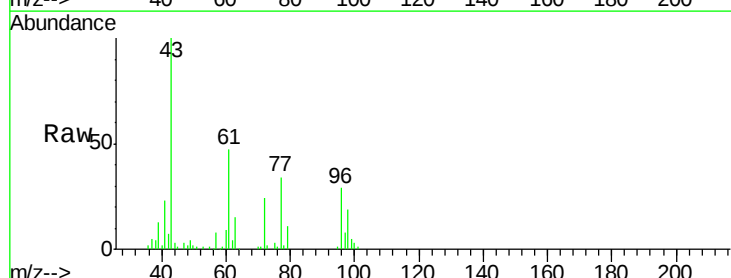
Manual Integrations
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4/21/2020 12:02:54 PM



#26
2,2-Dichloropropane
Concen: 15.590 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 77 Resp: 48017
Ion Ratio Lower Upper
77 100
97 23.0 11.2 33.6





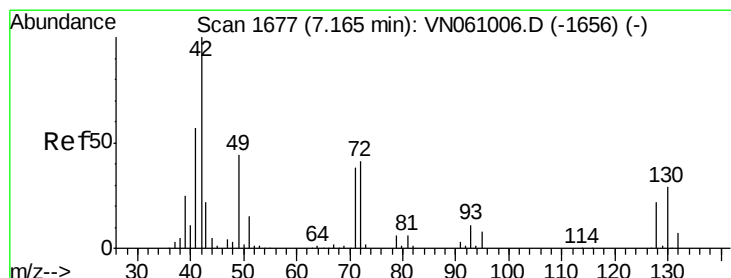
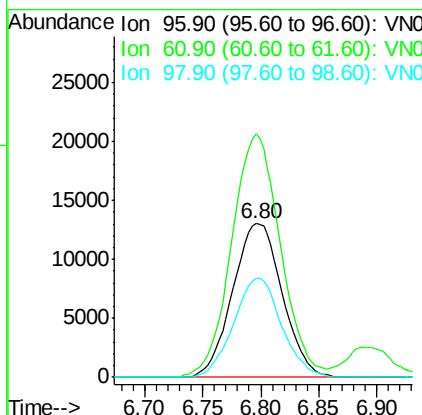
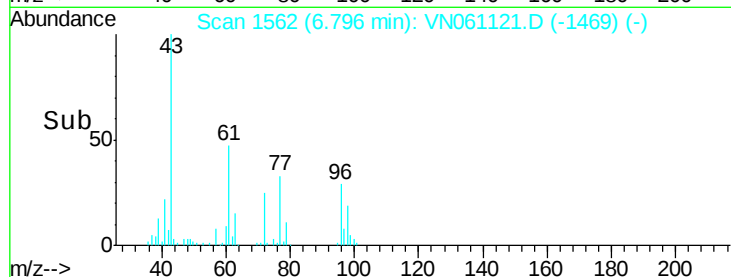
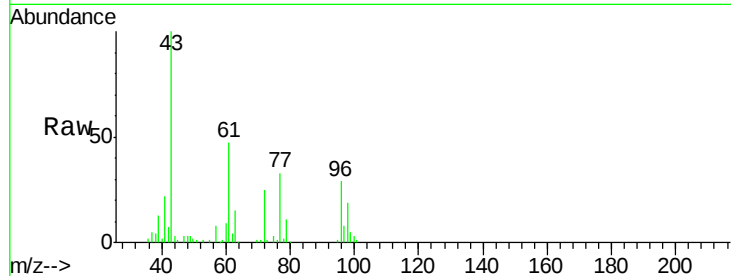
#27
 cis-1,2-Dichloroethene
 Concen: 18.106 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.6	0.0	317.4	
98	62.4	0.0	127.8	

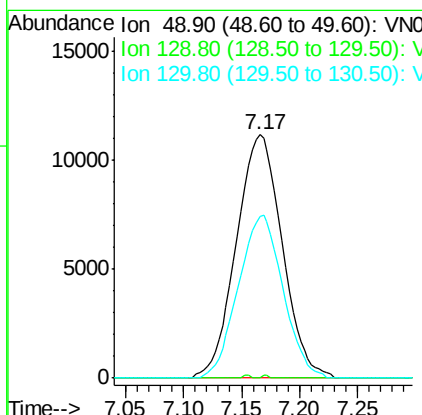
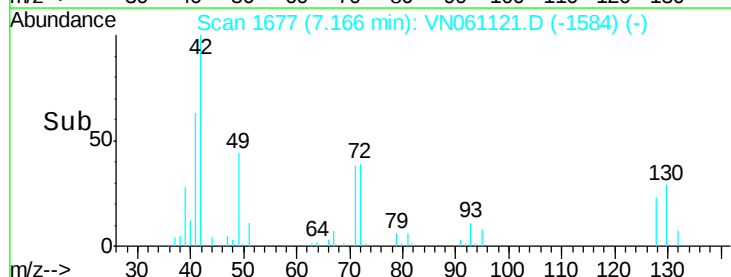
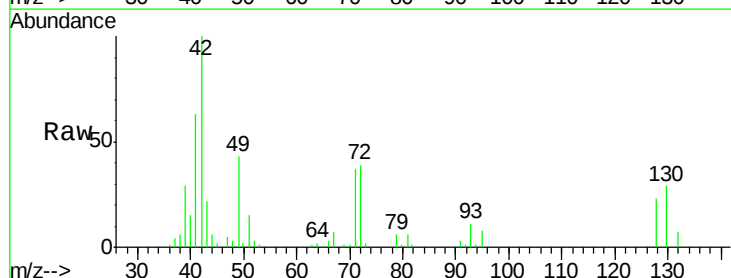
Manual Integrations
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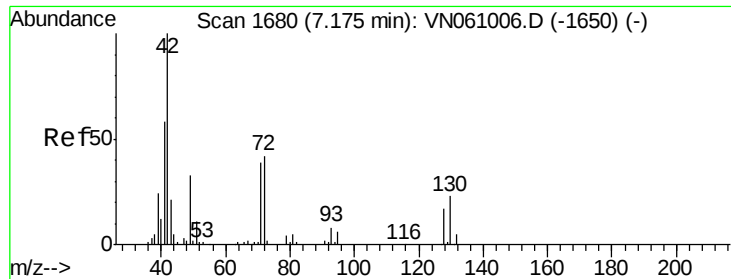
MMDadoda
 4/21/2020 12:02:54 PM



#28
 Bromochloromethane
 Concen: 18.144 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.2	0.0	3.0	
130	65.2	52.9	79.3	





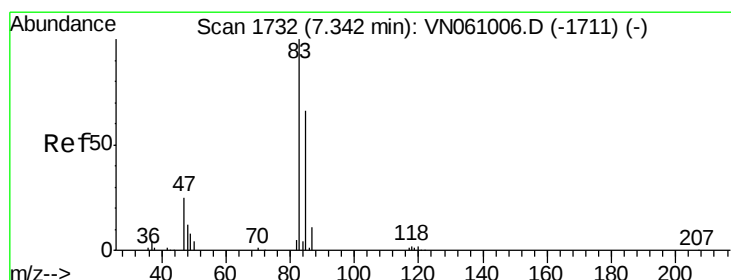
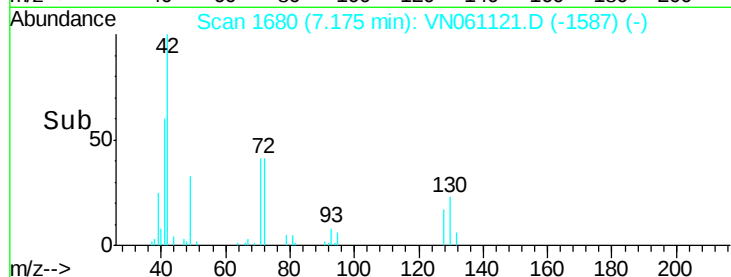
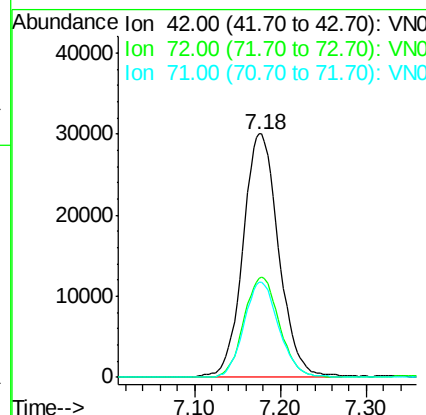
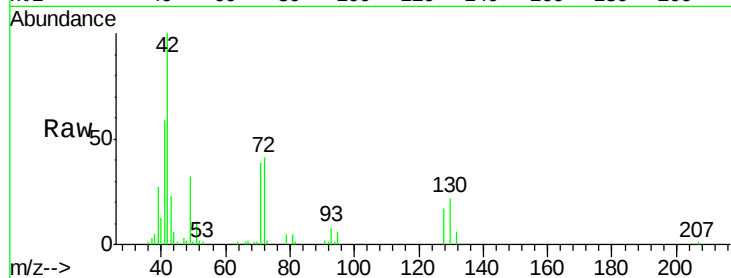
#29
Tetrahydrofuran
Concen: 92.880 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.1	48.1
71	38.2	30.5	45.7

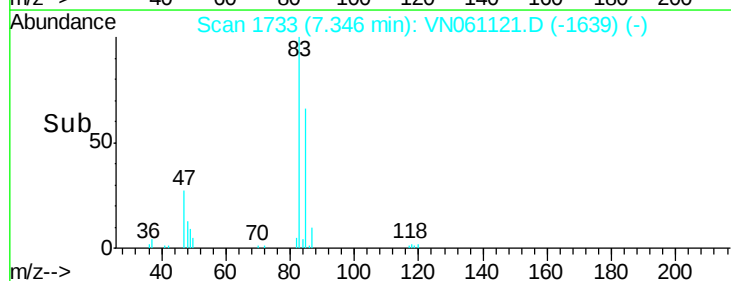
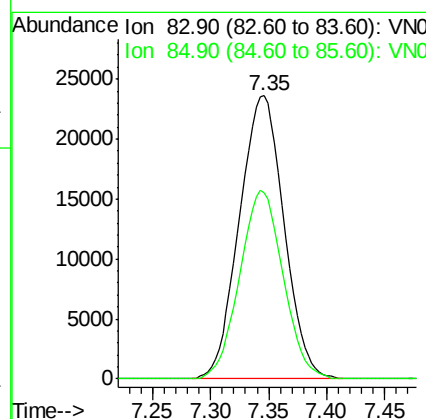
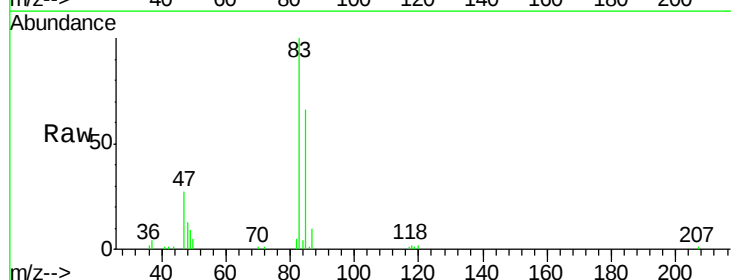
Manual Integrations
APPROVED

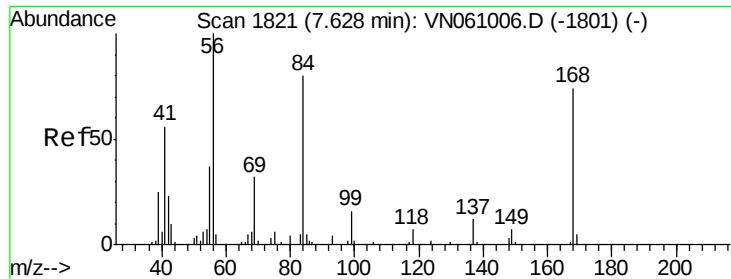
MMDadoda
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#30
Chloroform
Concen: 18.326 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.8	79.2





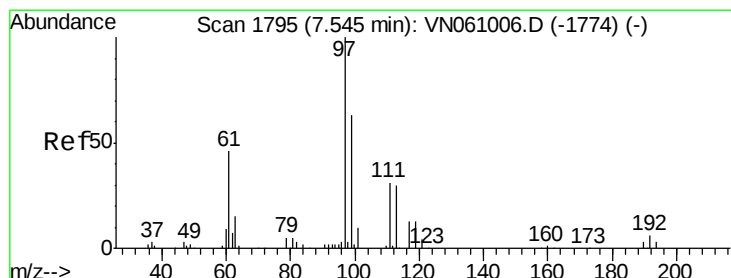
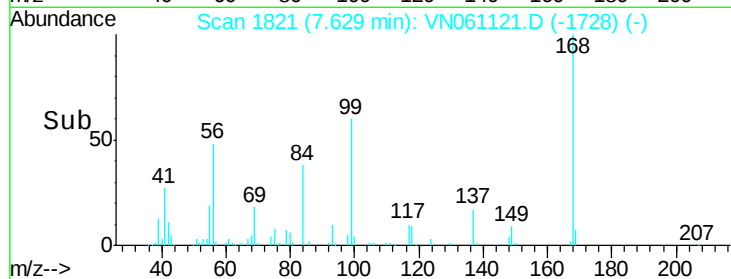
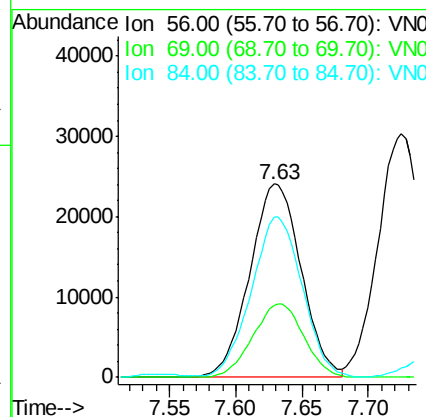
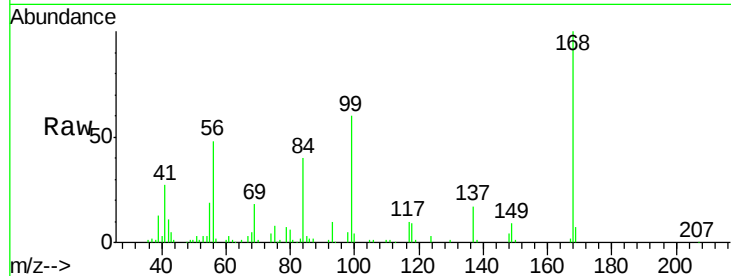
#31
Cyclohexane
Concen: 17.117 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.6	38.4
84	81.8	63.4	95.2

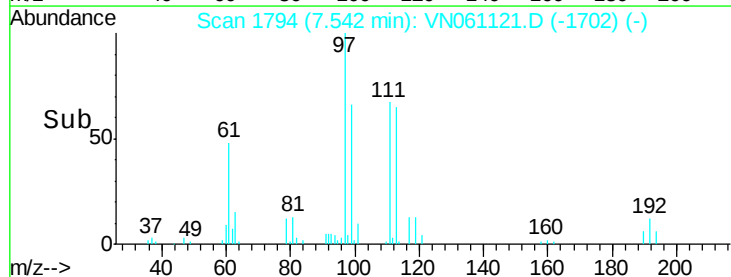
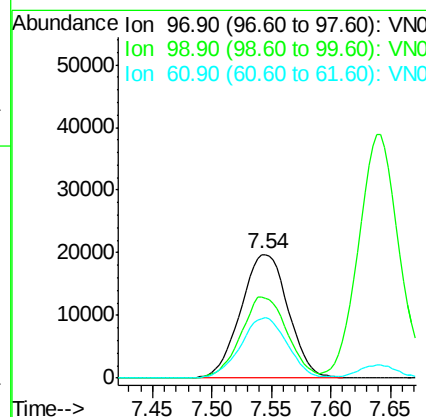
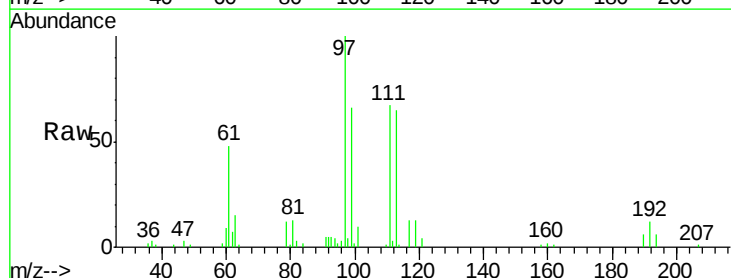
Manual Integrations
APPROVED

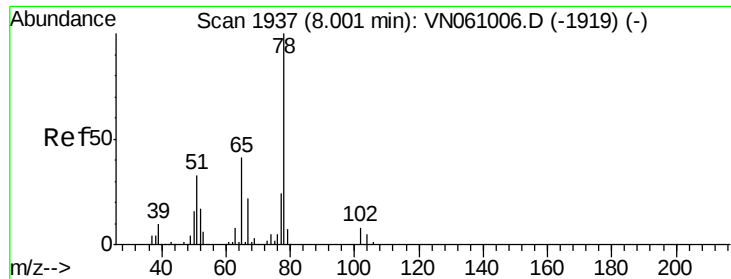
MMDadoda
4/21/2020 12:02:54 PM



#32
1,1,1-Trichloroethane
Concen: 18.257 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	47.8	37.0	55.6





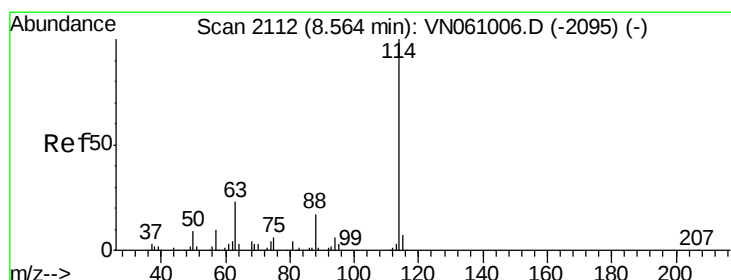
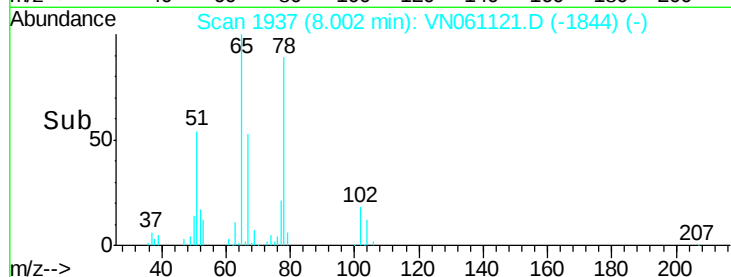
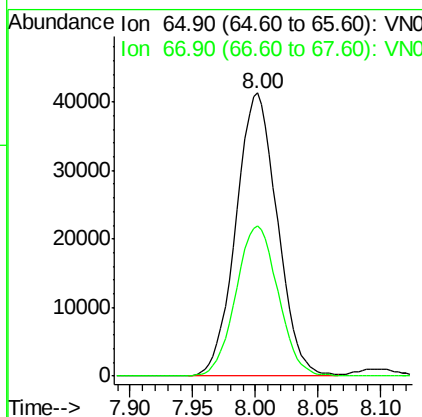
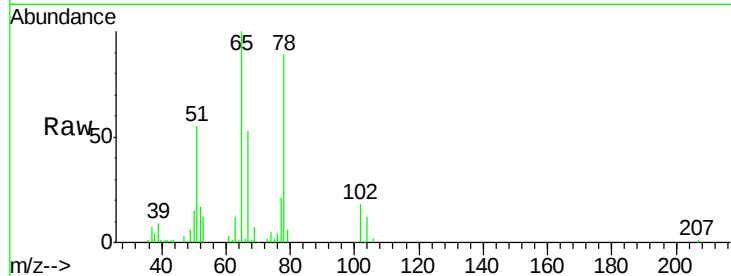
#33
 1,2-Dichloroethane-d4
 Concen: 46.495 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	107.0

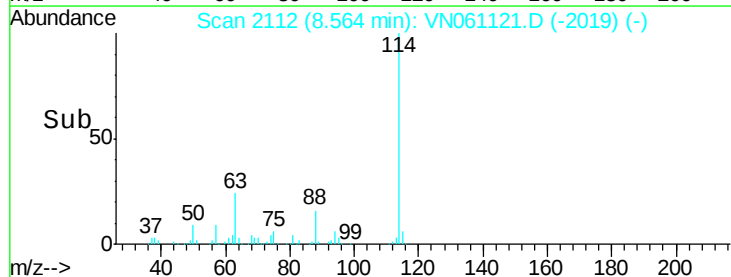
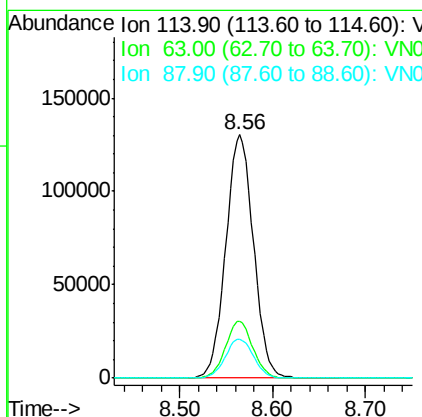
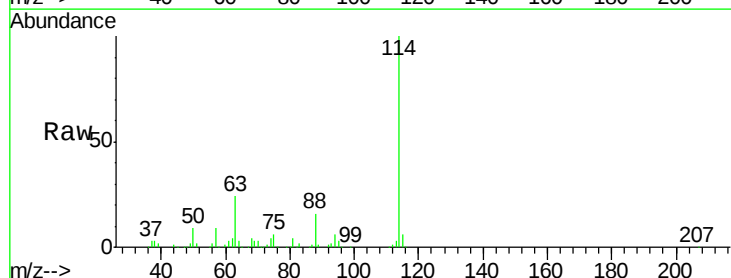
Manual Integrations
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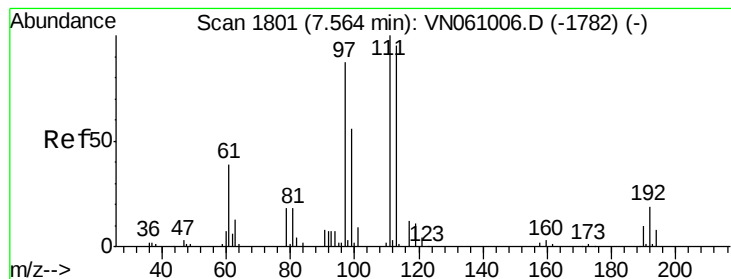
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.2
88	16.2	0.0	33.4





#35

Dibromofluoromethane

Concen: 46.539 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

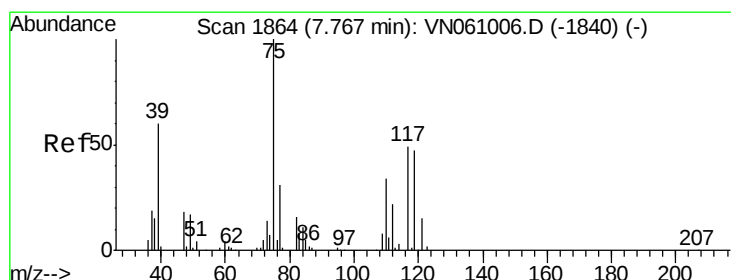
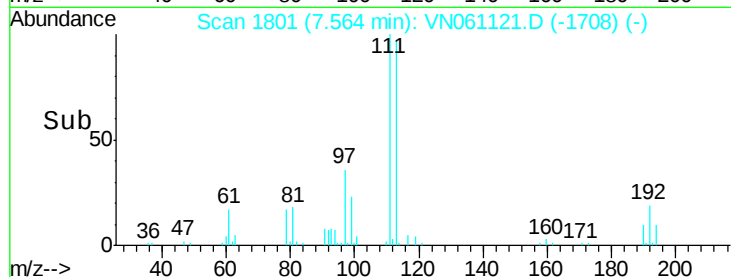
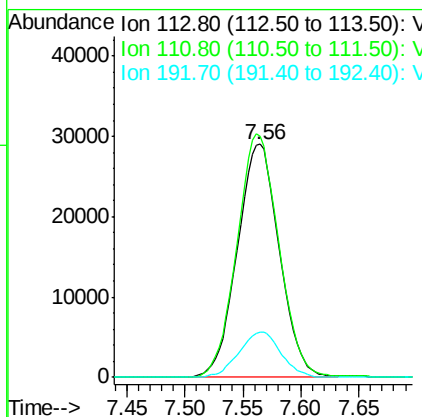
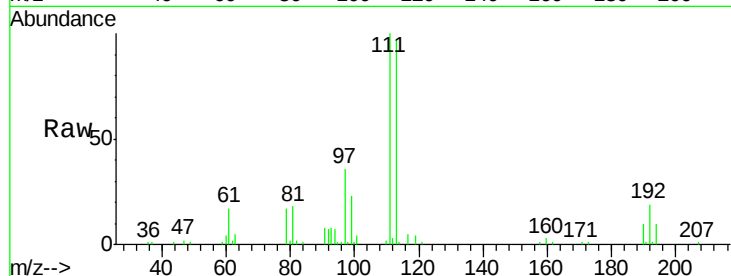
ClientSampleId :

VN0420WBSD02

Tot Ion:	113	Resp:	73256
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.2
192	19.3	15.5	23.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.686 ug/l

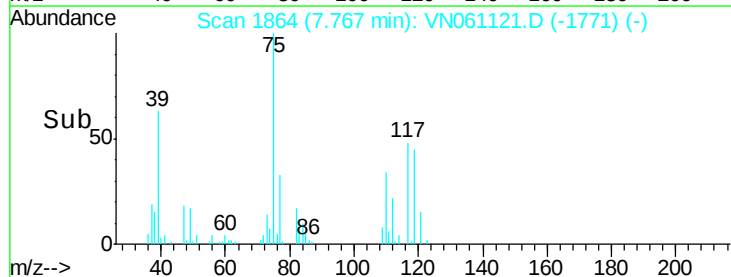
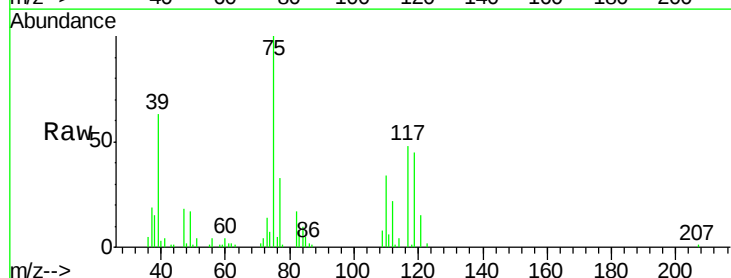
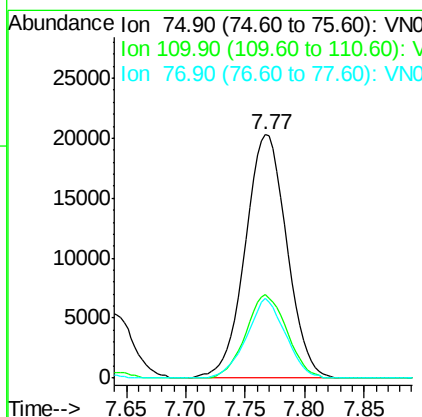
RT: 7.77 min Scan# 1864

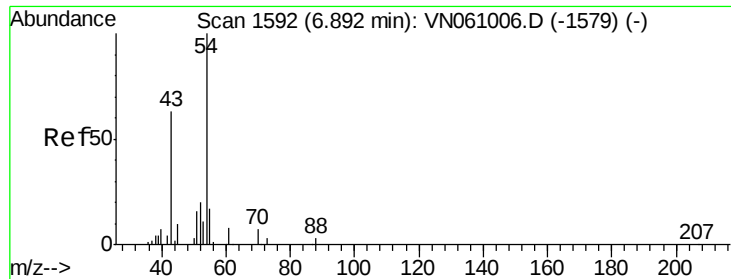
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	75	Resp:	49193
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.8	50.3
77	30.5	24.7	37.1





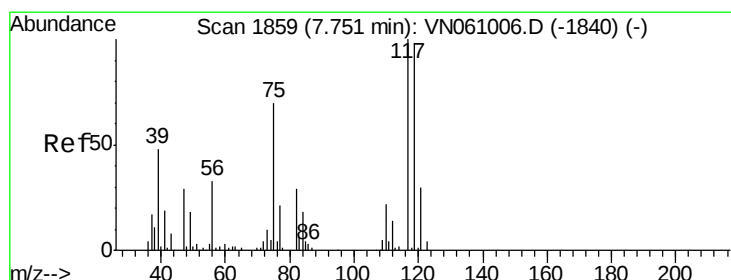
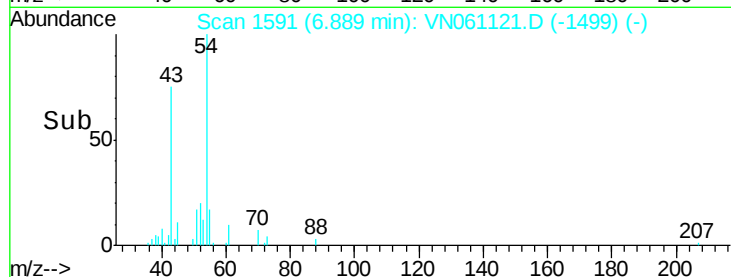
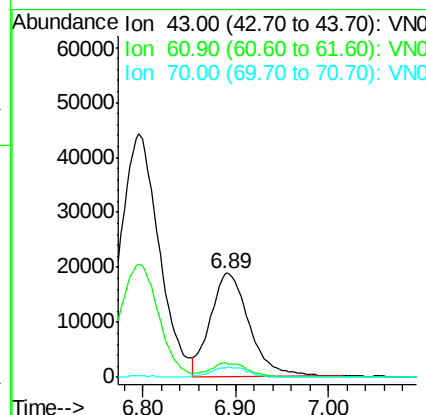
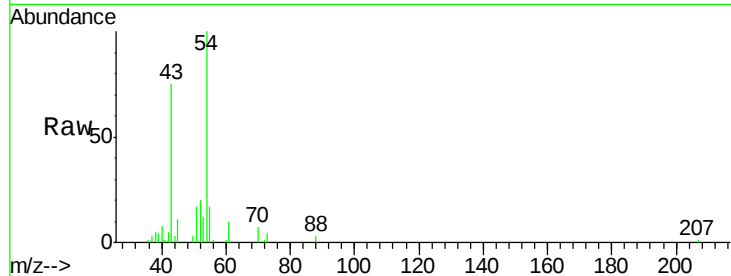
#37
Ethyl Acetate
Concen: 18.063 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	9.2	7.7	11.5

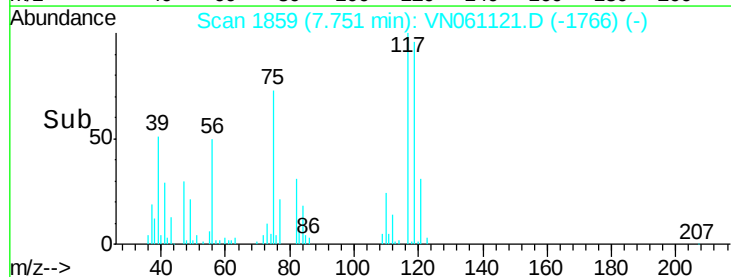
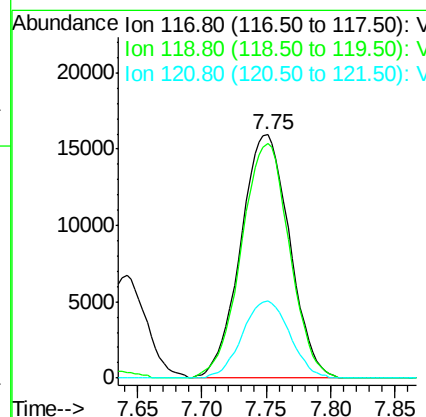
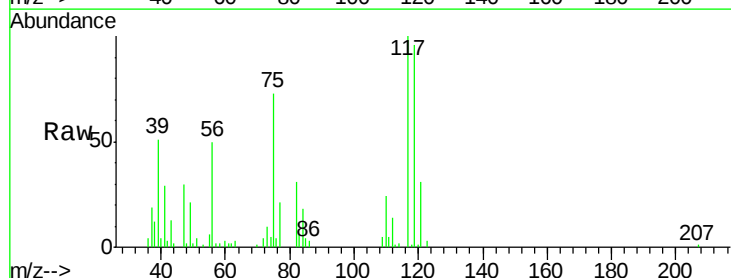
Manual Integrations
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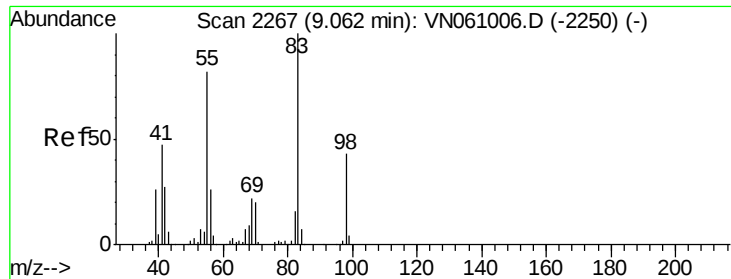
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#38
Carbon Tetrachloride
Concen: 18.200 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.1	117.1
121	31.5	24.0	36.0





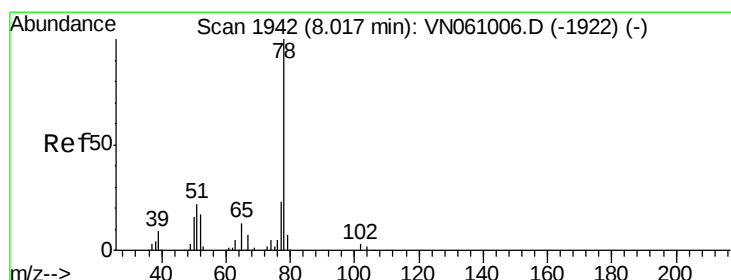
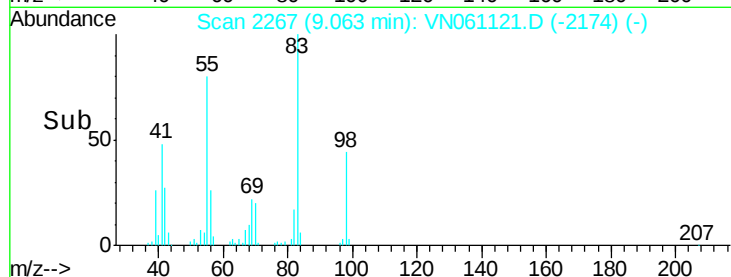
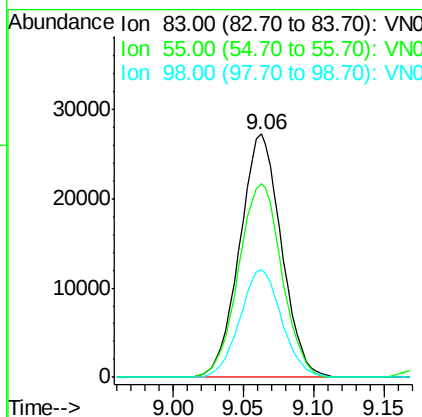
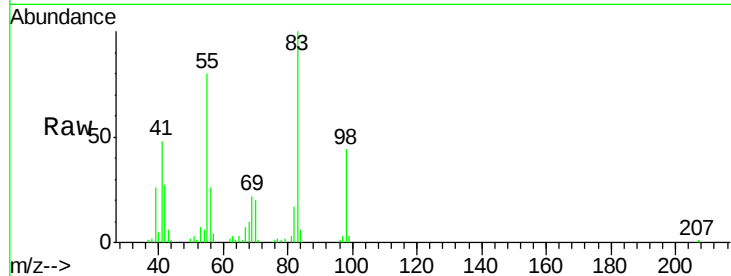
#39
Methvlcvclohexane
Concen: 16.942 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	65.4	98.0
98	44.4	34.6	51.8

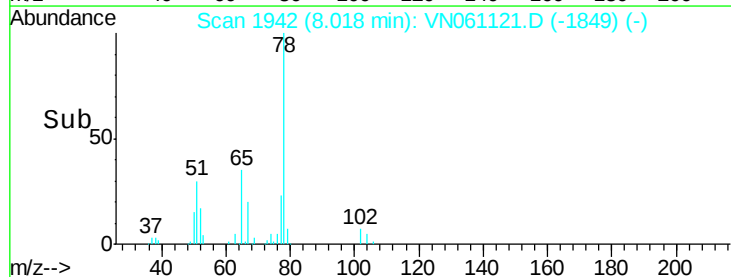
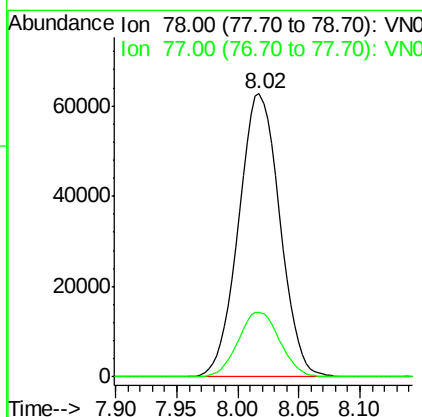
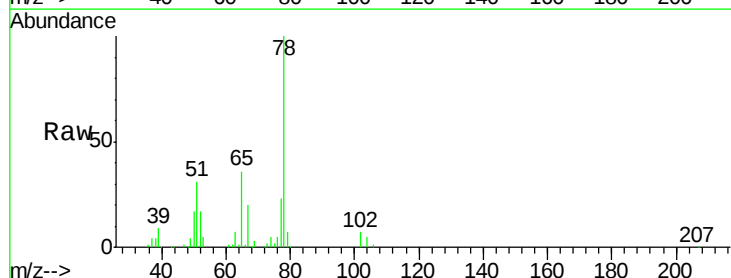
Manual Integrations
APPROVED

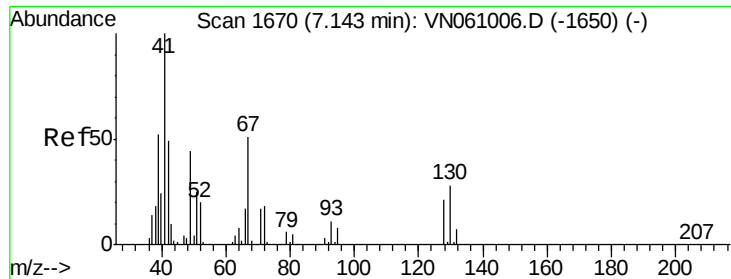
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#40
Benzene
Concen: 17.784 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





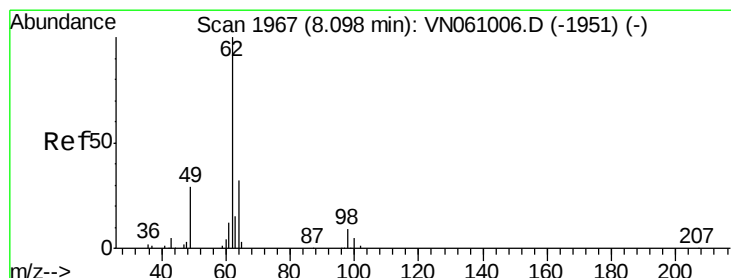
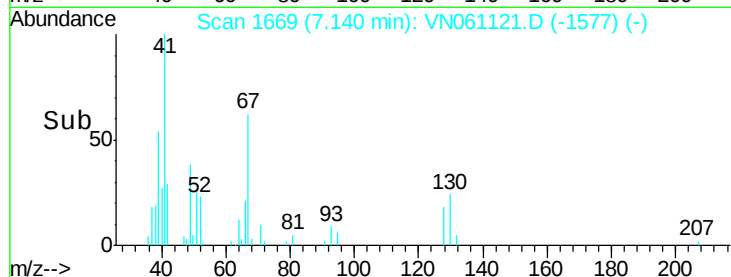
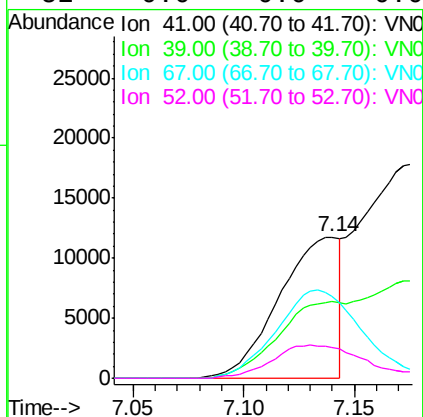
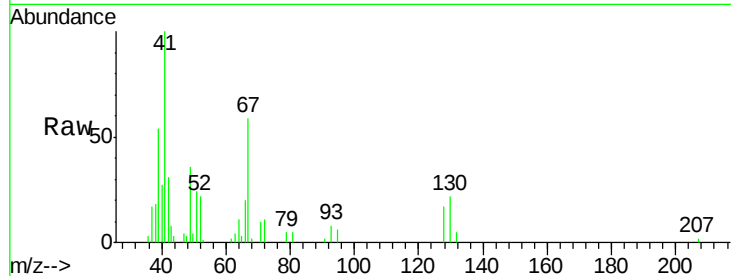
#41
Methacrylonitrile
Concen: 17.687 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	41	Resp	22280
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

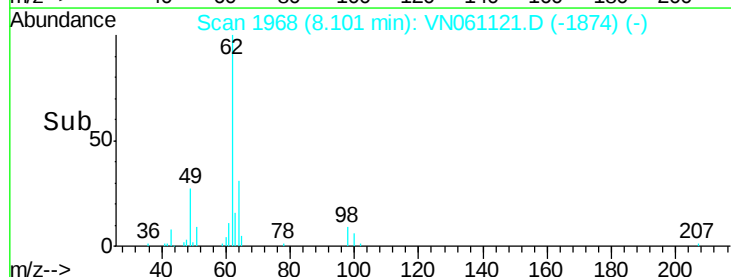
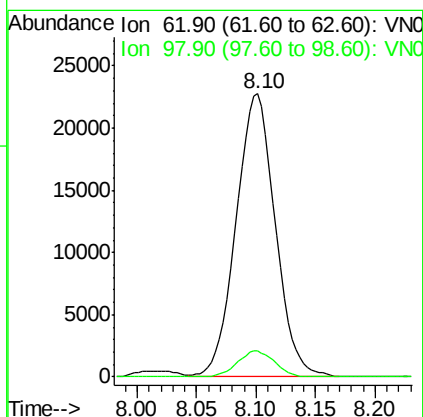
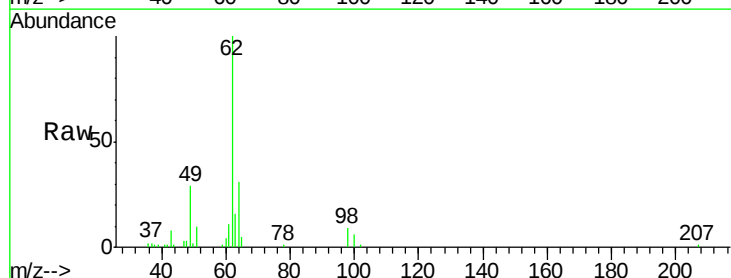
Manual Integrations
APPROVED

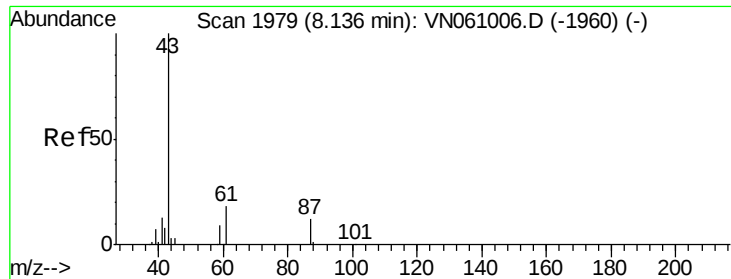
MMDadoda
4/21/2020 12:02:54 PM



#42
1,2-Dichloroethane
Concen: 18.489 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	62	Resp	51972
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.2





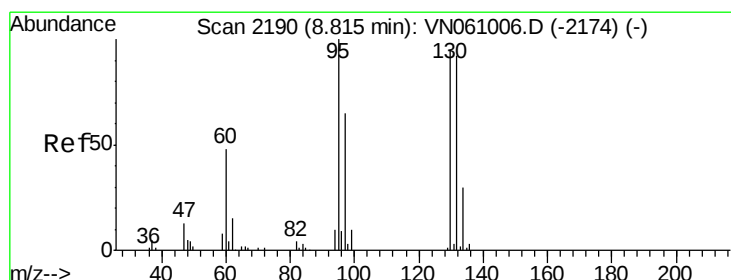
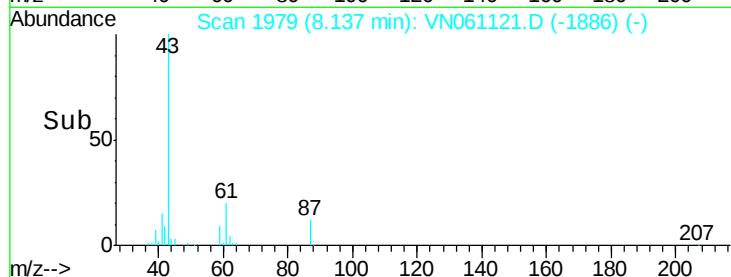
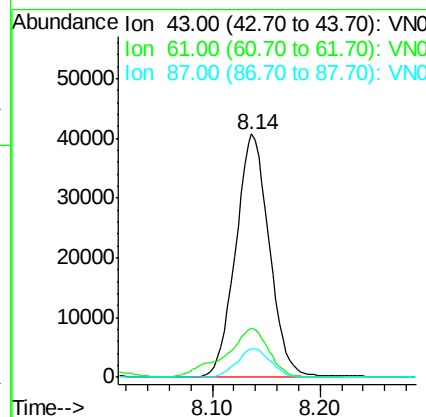
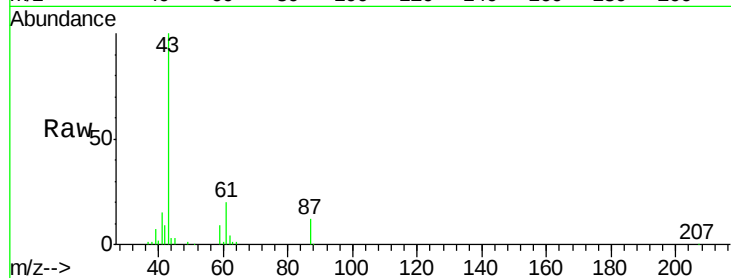
#43
Isopropyl Acetate
Concen: 18.007 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.3	30.5
87	11.7	9.4	14.2

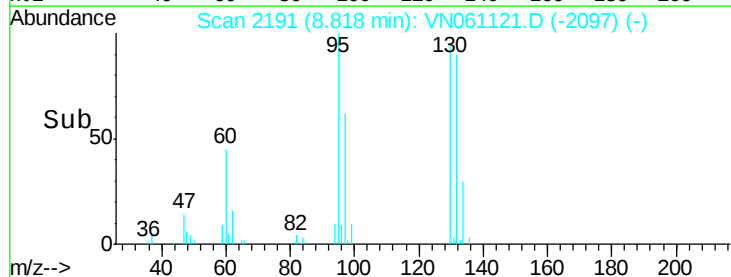
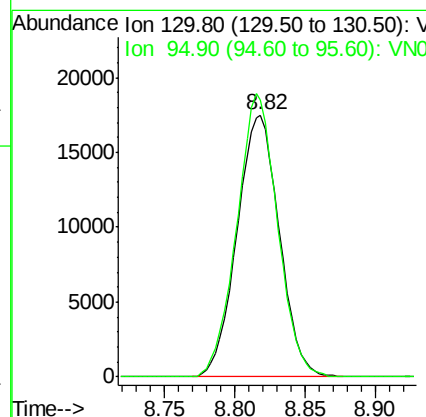
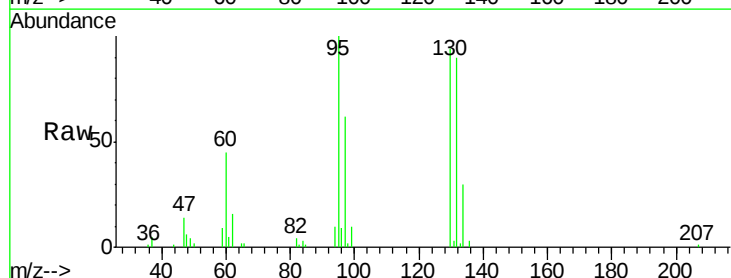
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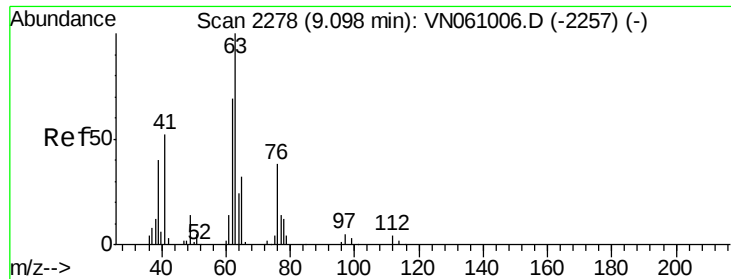
MMDadoda
4/21/2020 12:02:54 PM



#44
Trichloroethene
Concen: 17.732 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	210.0





#45

1,2-Dichloropropane

Concen: 17.665 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 63 Resp: 39371

Ion Ratio Lower Upper

63 100

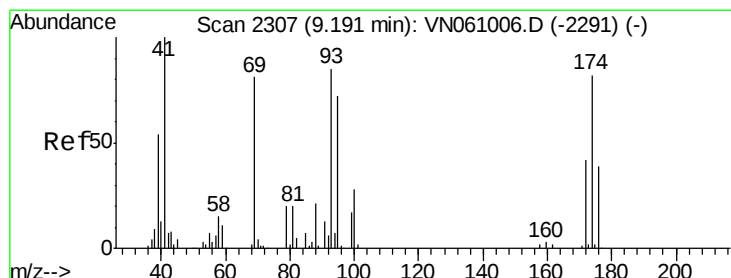
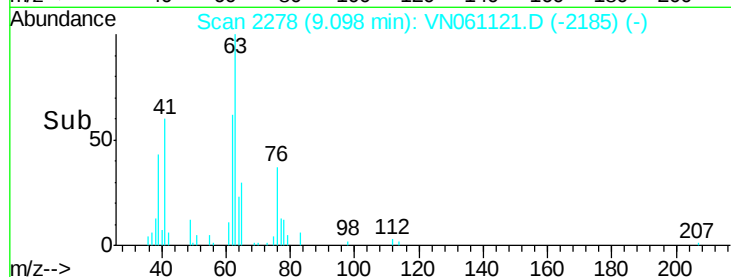
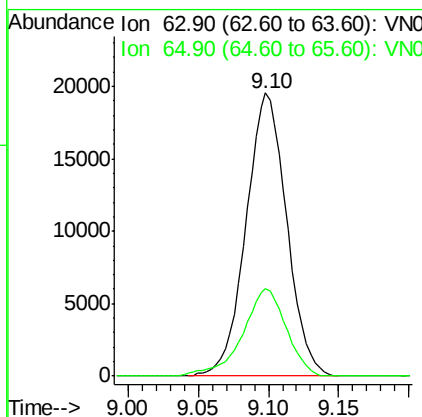
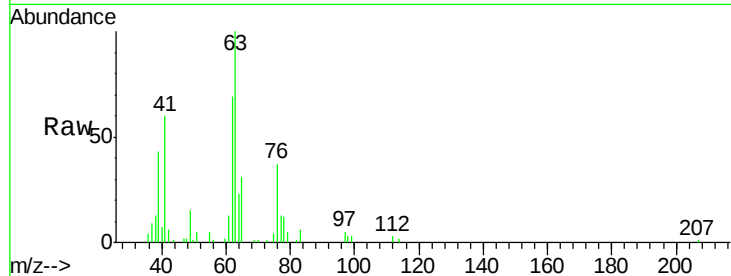
65 31.1 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 18.469 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

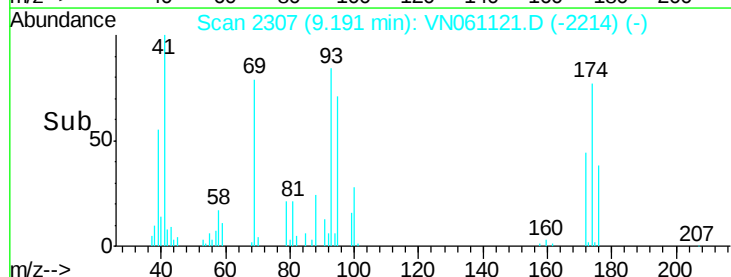
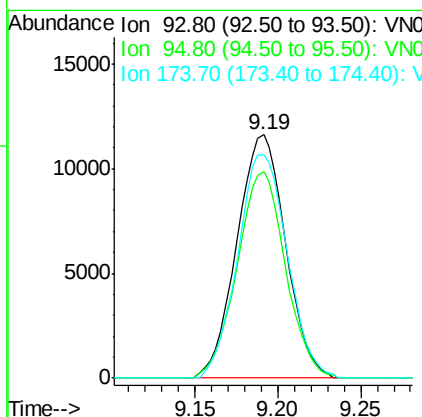
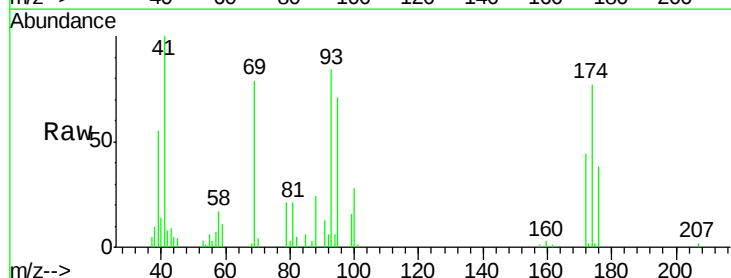
Tgt Ion: 93 Resp: 23733

Ion Ratio Lower Upper

93 100

95 84.1 66.8 100.2

174 93.6 76.2 114.4





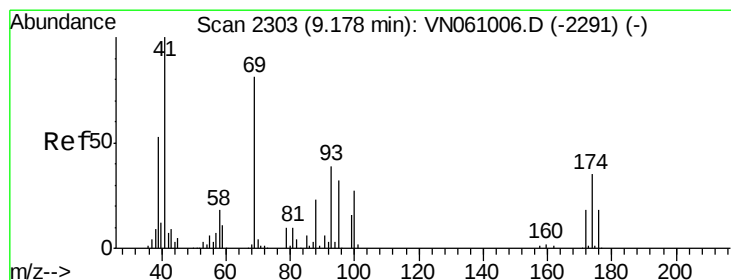
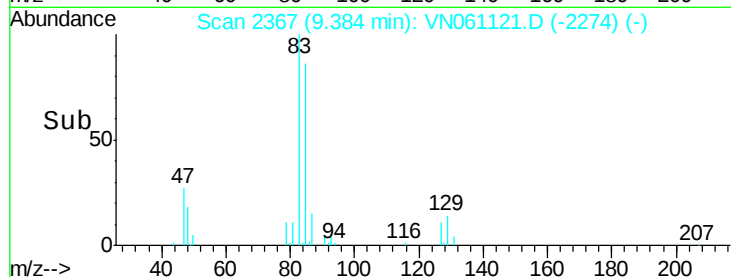
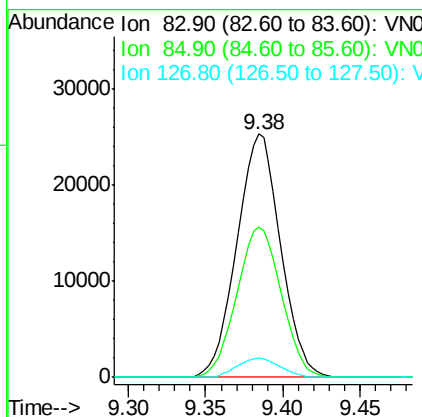
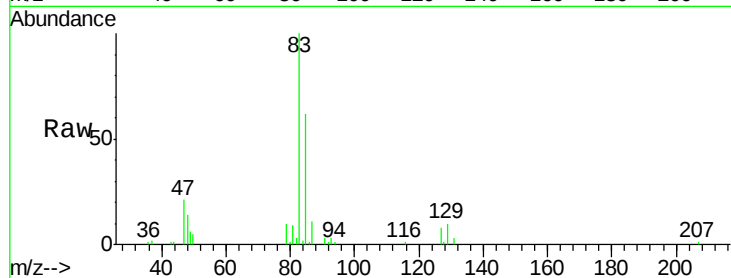
#47
Bromodichloromethane
Concen: 18.291 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	83	Resp	49653
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	50.6	76.0
127	8.1	6.1	9.1

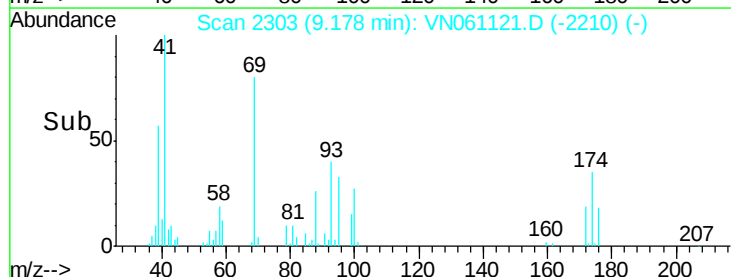
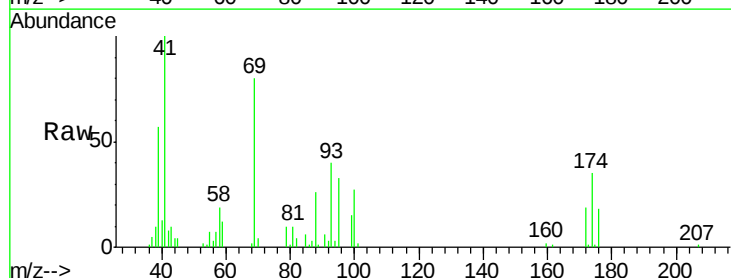
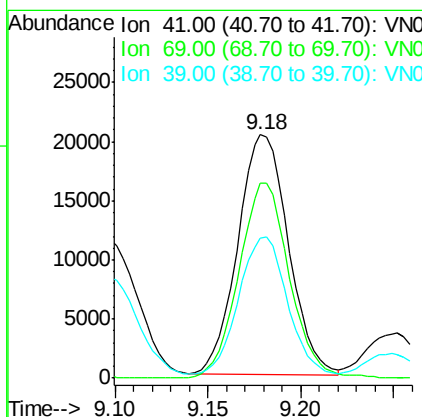
Manual Integrations
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#48
Methyl methacrylate
Concen: 17.768 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	41	Resp	38569
Ion Ratio	100	Lower	Upper
41	100		
69	81.3	65.3	97.9
39	55.5	45.2	67.8





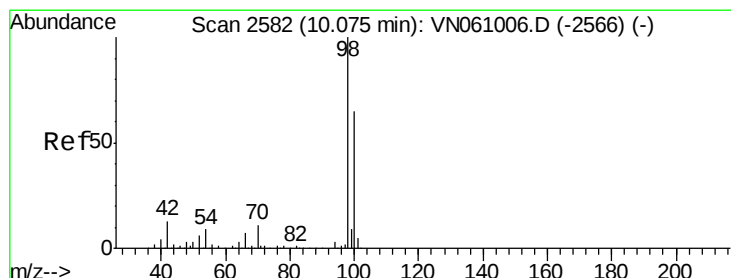
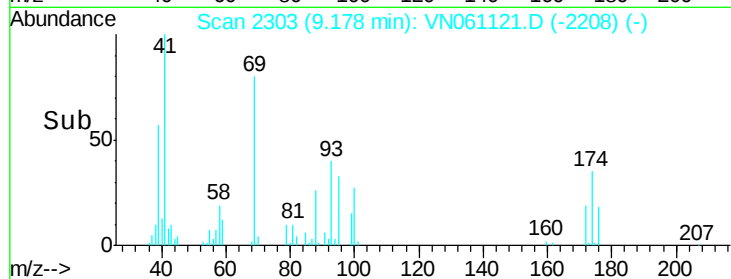
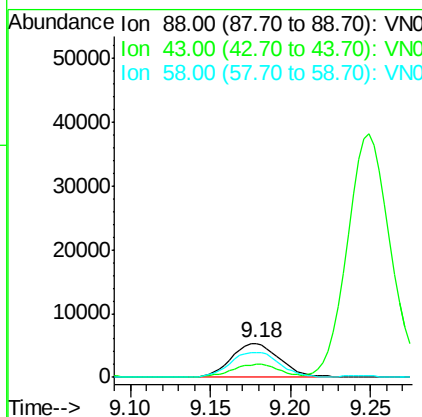
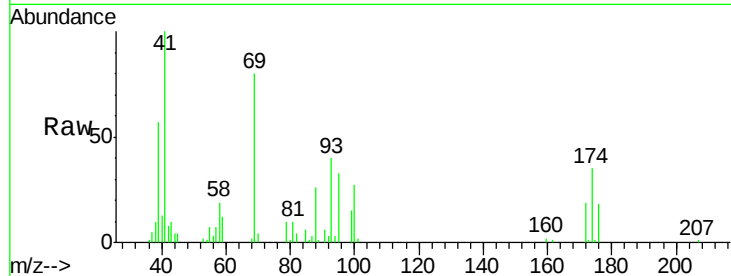
#49
1,4-Dioxane
Concen: 375.549 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.9	46.3
58	74.6	59.8	89.8

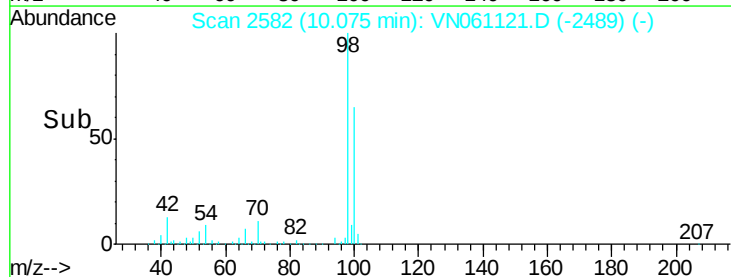
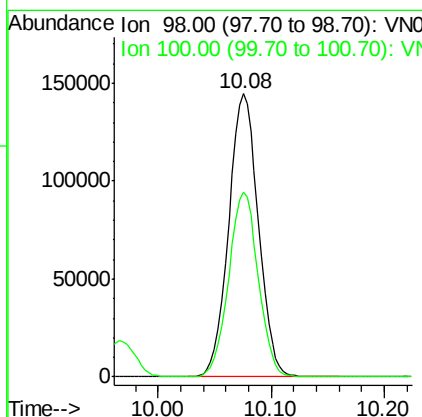
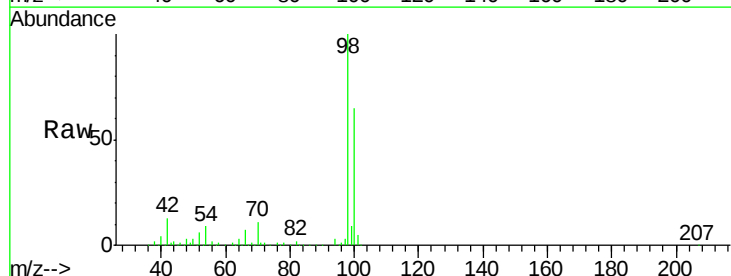
Manual Integrations
APPROVED

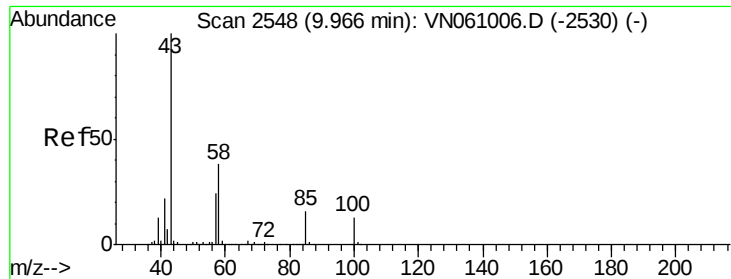
MMDadoda
4/21/2020 12:02:54 PM



#50
Toluene-d8
Concen: 44.350 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 93.234 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 43 Resp: 263998

Ion Ratio Lower Upper

43 100

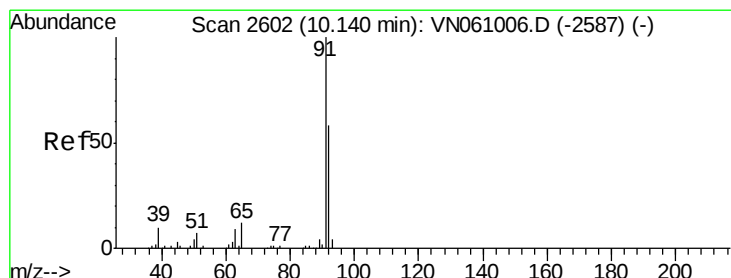
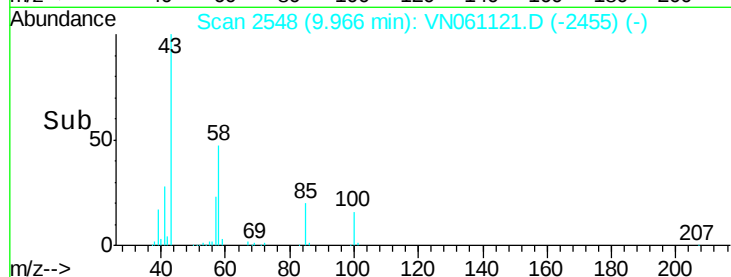
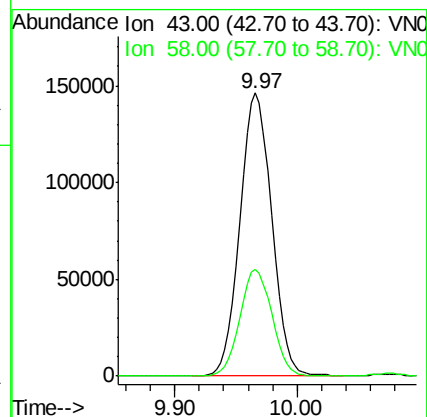
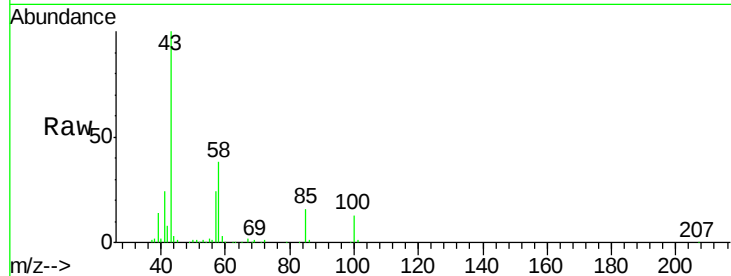
58 37.9 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 17.596 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061121.D

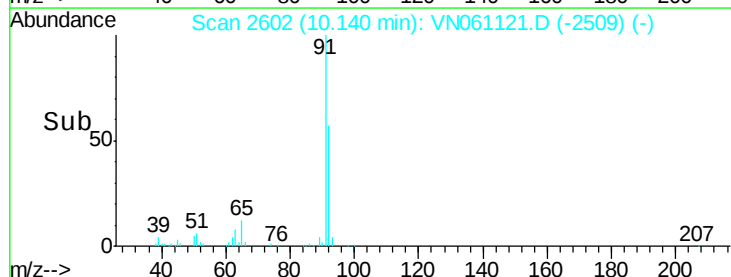
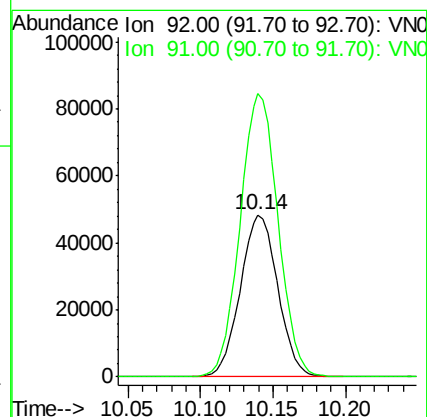
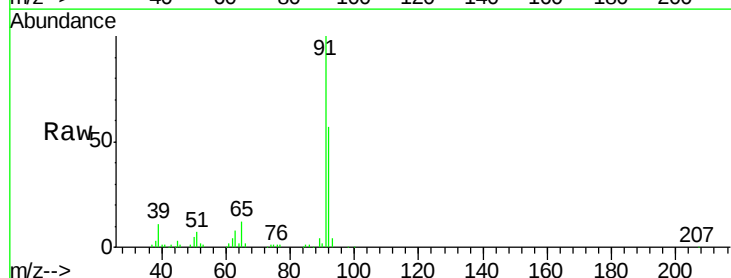
Acq: 20 Apr 2020 23:47

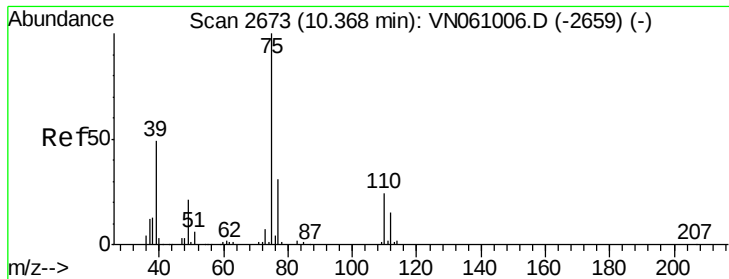
Tgt Ion: 92 Resp: 87105

Ion Ratio Lower Upper

92 100

91 176.6 137.7 206.5





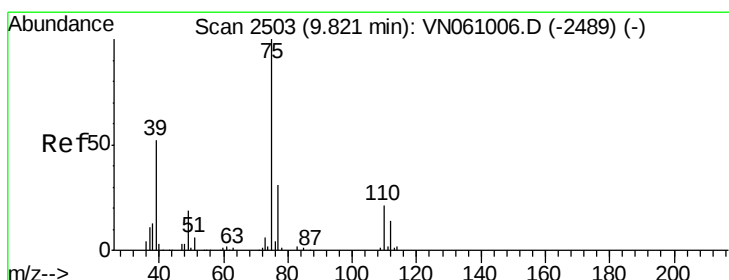
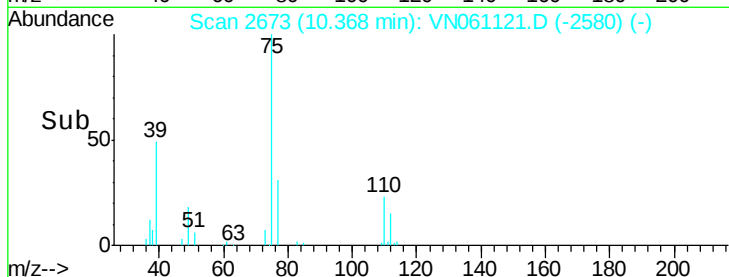
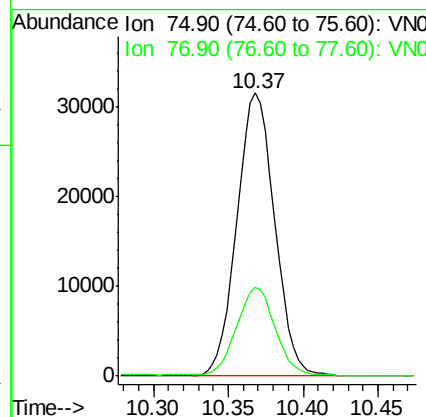
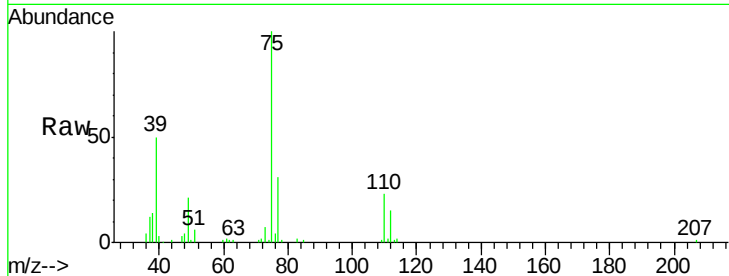
#53
t-1,3-Dichloropropene
Concen: 17.600 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 75 Resp: 55498
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

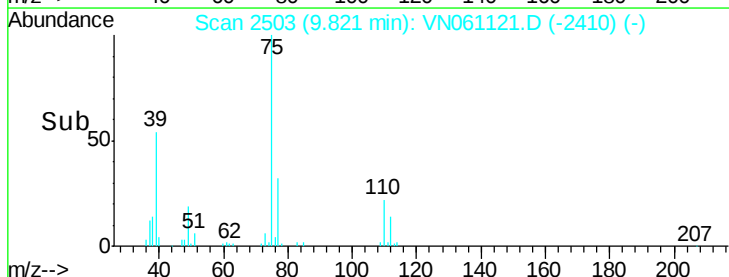
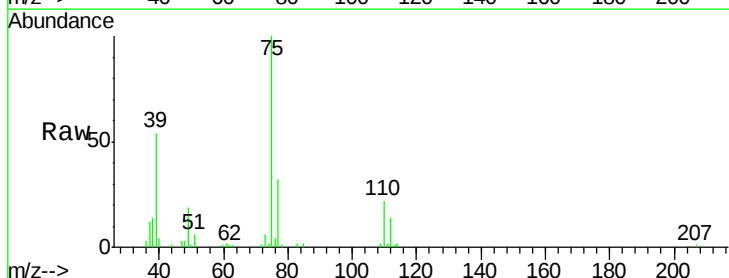
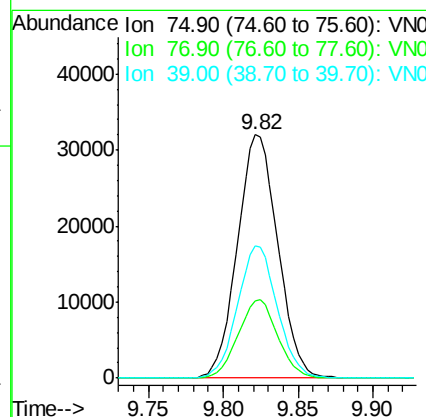
Manual Integrations
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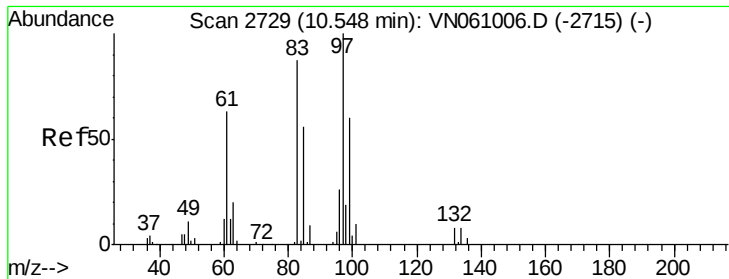
MMDadoda
4/21/2020 12:02:54 PM



#54
cis-1,3-Dichloropropene
Concen: 17.483 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 75 Resp: 60151
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 54.2 41.4 62.2





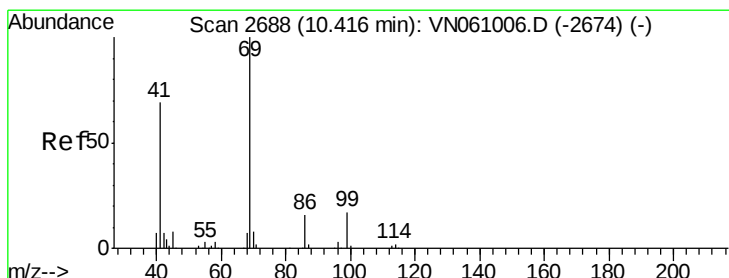
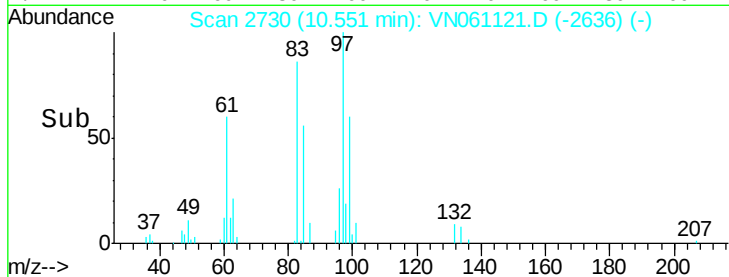
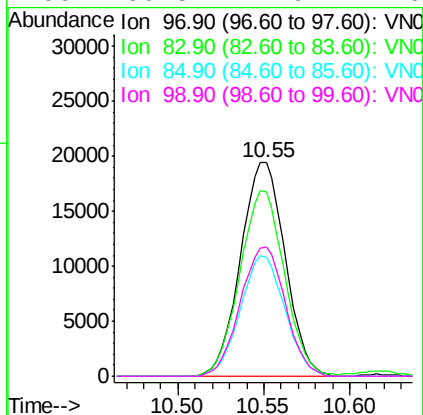
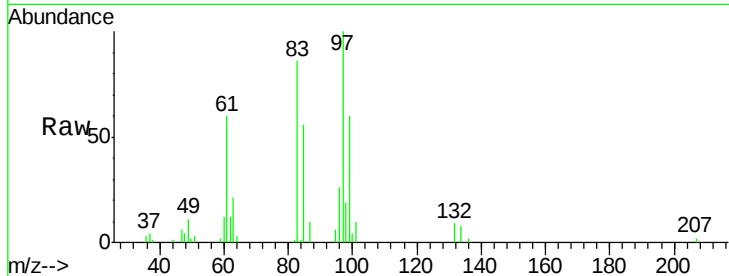
#55
 1,1,2-Trichloroethane
 Concen: 18.661 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion:	97	Resp:	34958
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.5	104.3
85	55.7	45.0	67.4
99	60.5	47.9	71.9

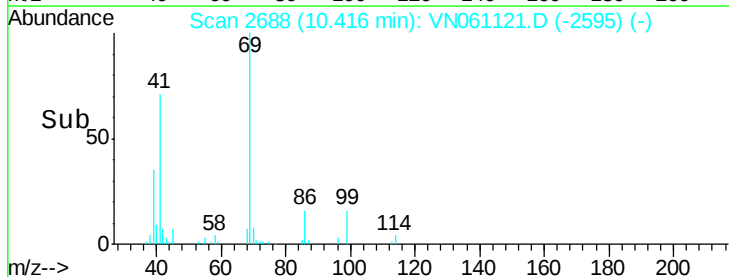
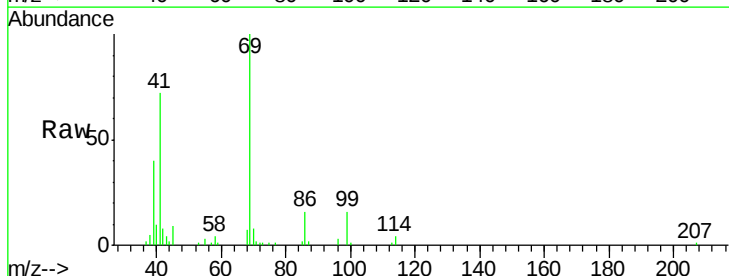
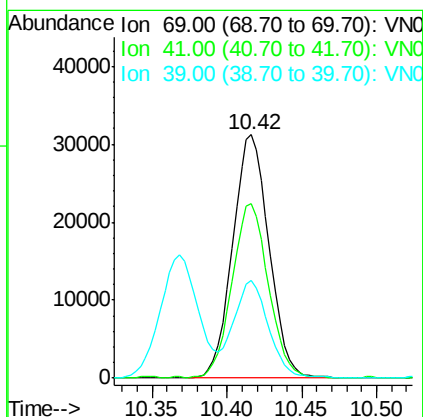
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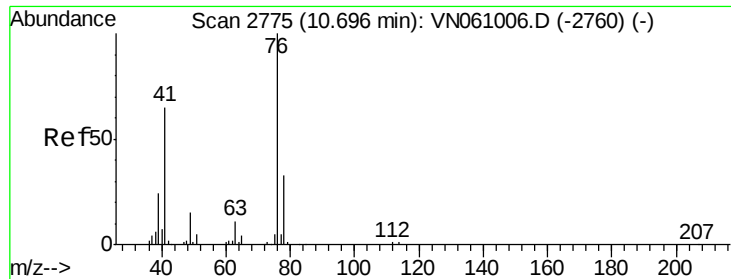
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 17.897 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion:	69	Resp:	52720
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.7	85.1
39	38.9	29.4	44.0





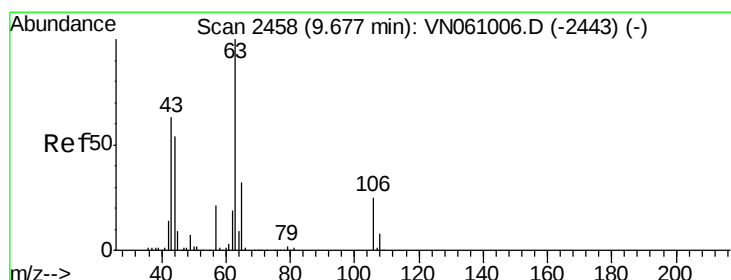
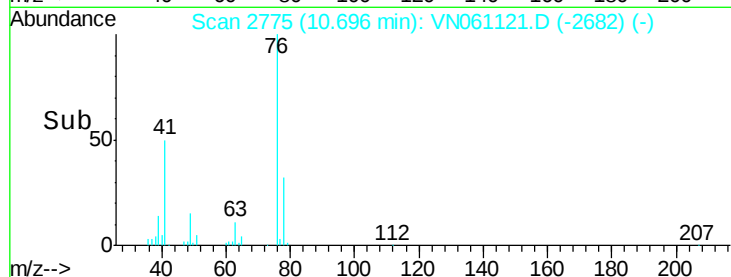
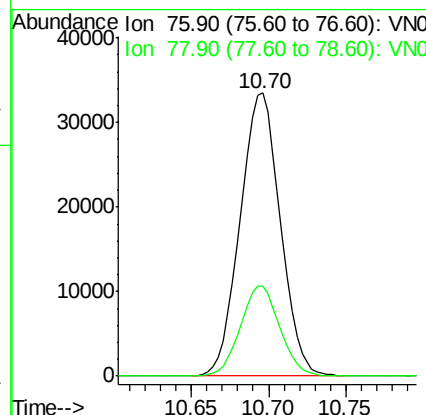
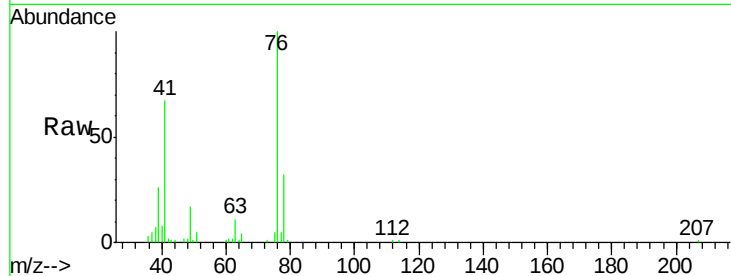
#57
 1,3-Dichloropropane
 Concen: 18.069 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion: 76 Resp: 60377
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.4 38.0

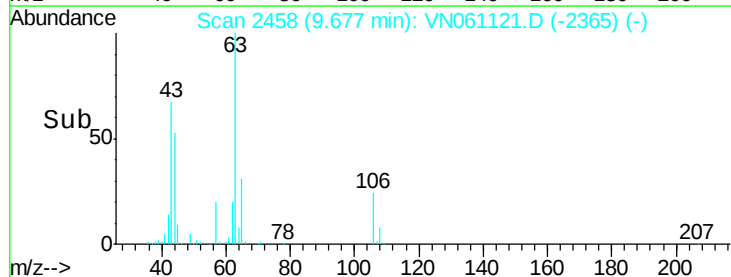
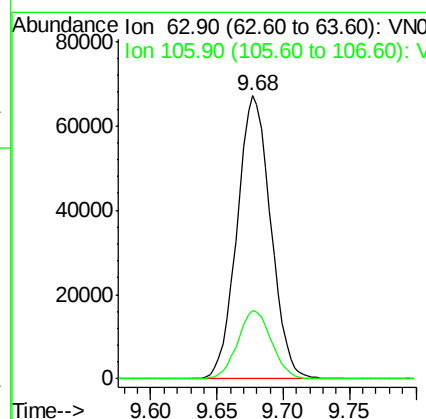
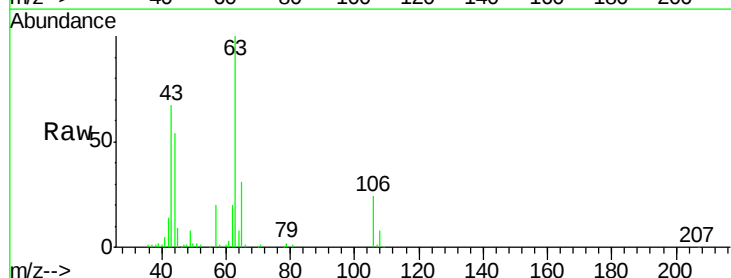
Manual Integrations
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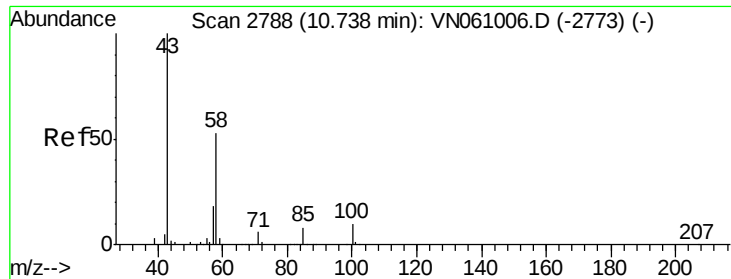
MMDadoda
 4/21/2020 12:02:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.476 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 63 Resp: 118429
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.5 29.3





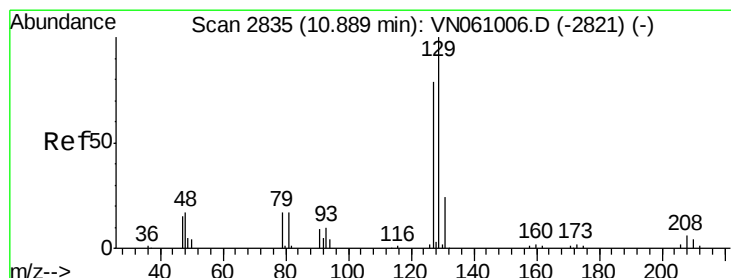
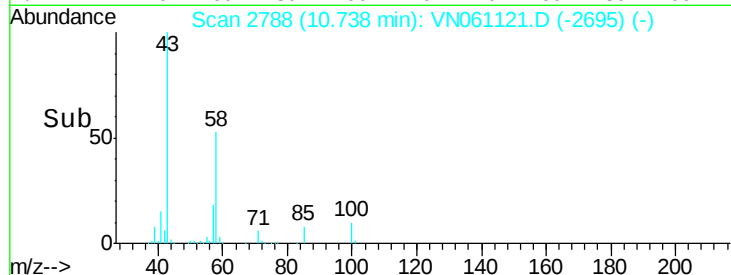
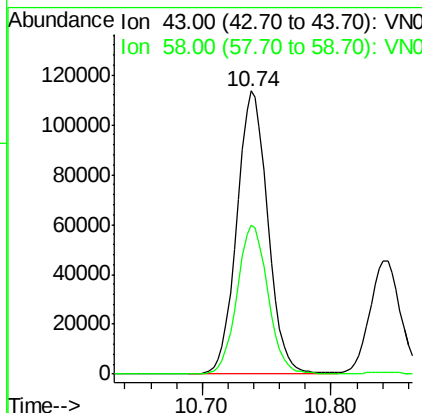
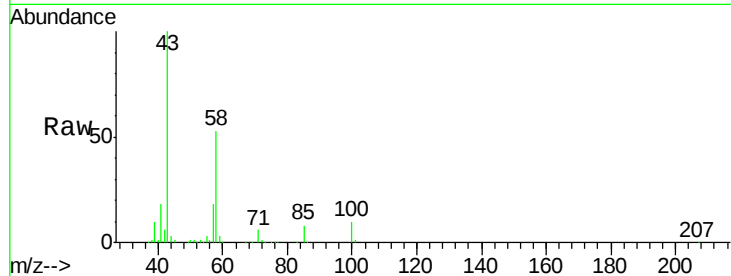
#59
2-Hexanone
Concen: 92.973 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 43 Resp: 189857
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0

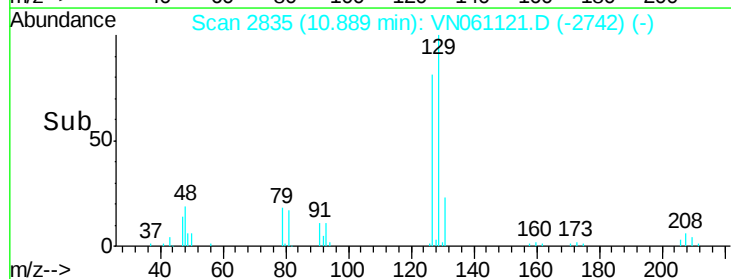
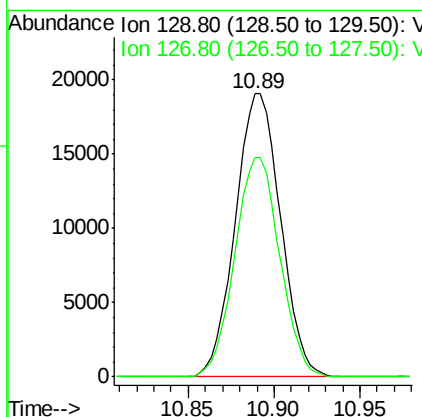
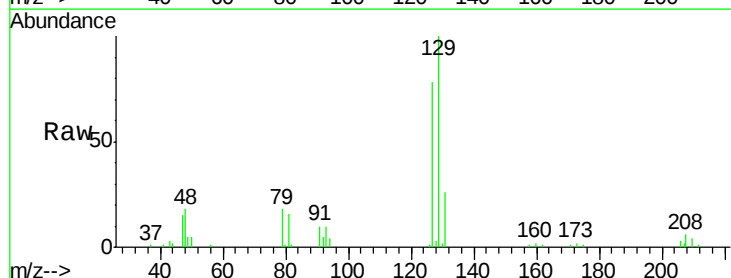
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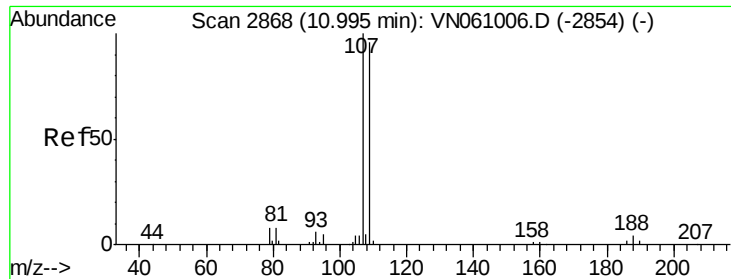
MMDadoda
4/21/2020 12:02:54 PM



#60
Dibromochloromethane
Concen: 18.142 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 129 Resp: 34911
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 17.975 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 107 Resp: 34313

Ion Ratio Lower Upper

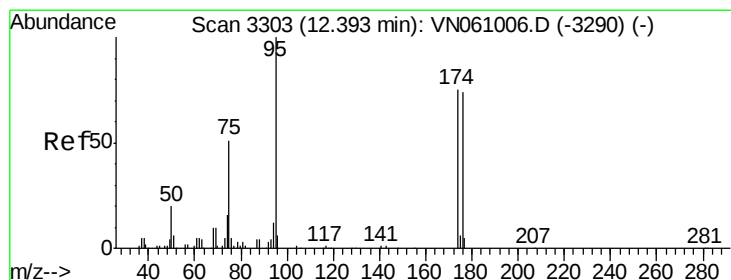
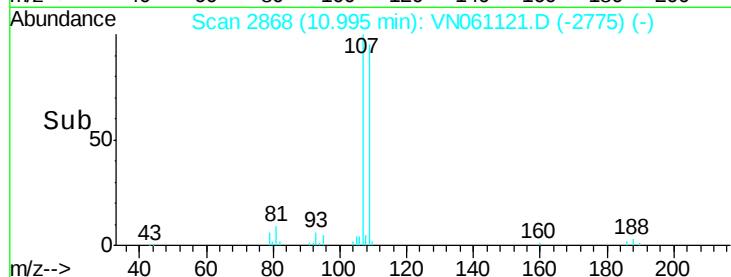
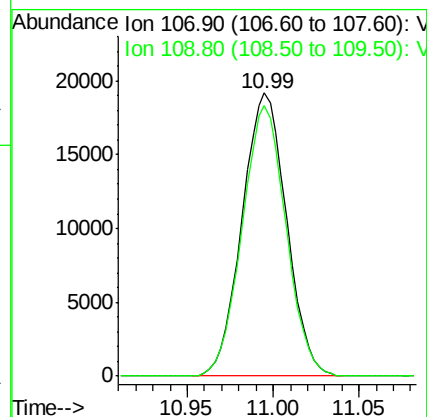
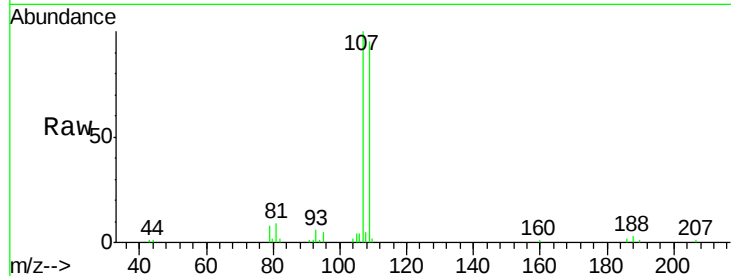
107 100

109 94.4 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 43.517 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

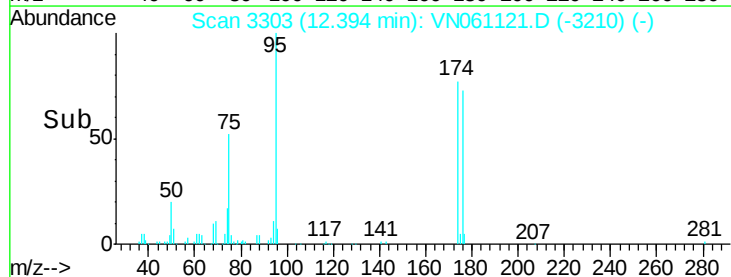
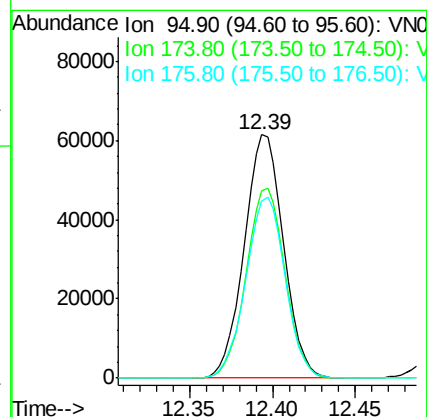
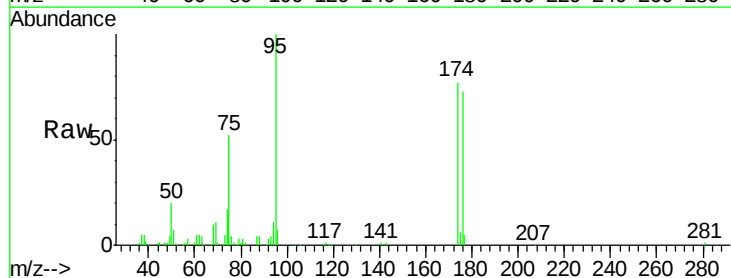
Tgt Ion: 95 Resp: 101448

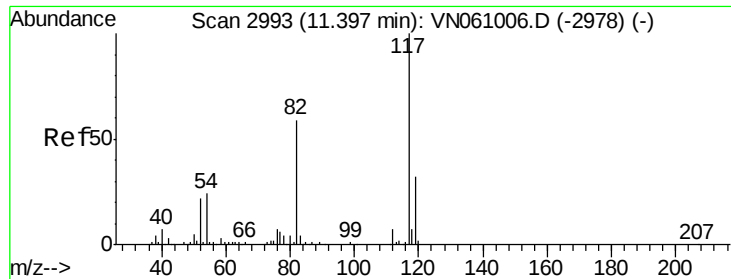
Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.2

176 74.5 0.0 148.2





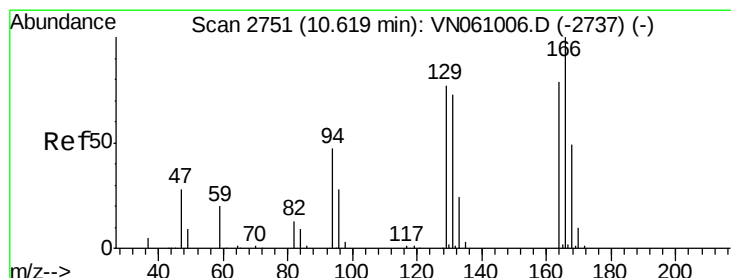
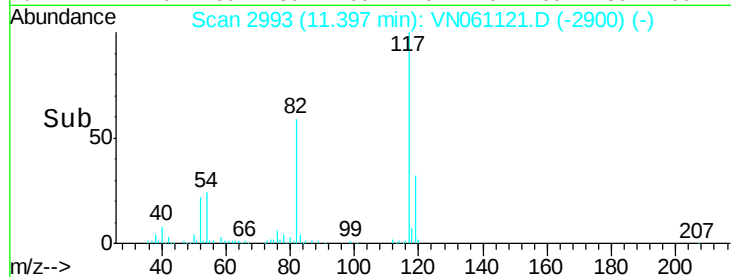
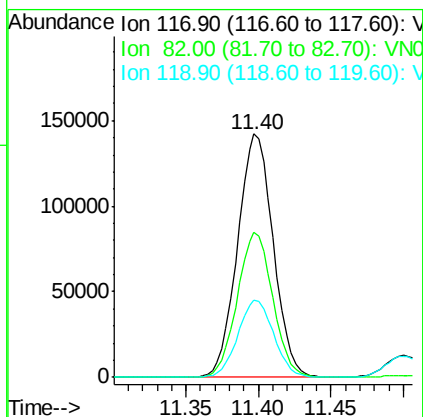
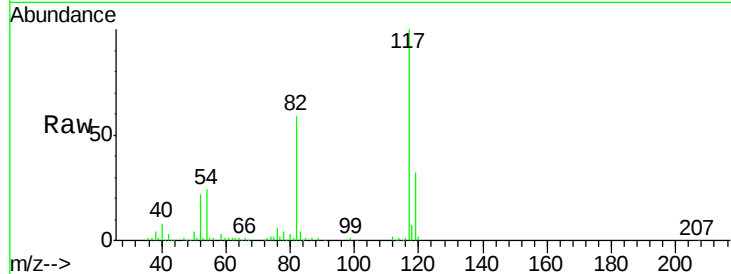
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243489		
82	59.5	47.1	70.7	
119	31.8	25.7	38.5	

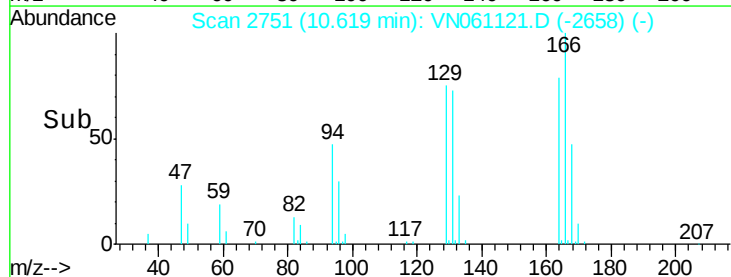
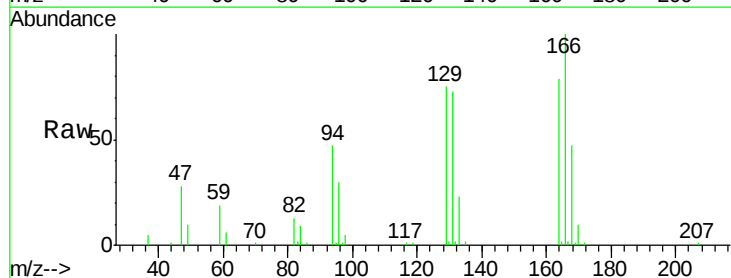
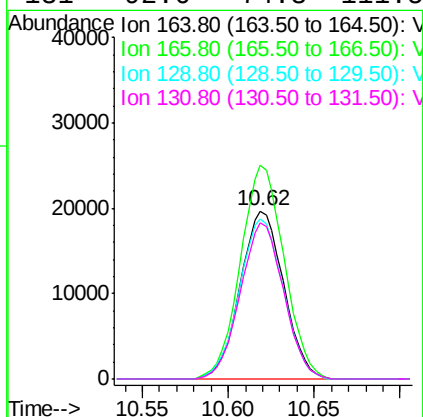
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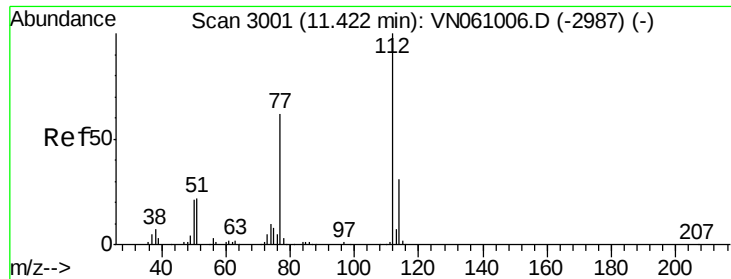
MMDadoda
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#64
Tetrachloroethene
Concen: 18.589 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34635		
166	126.9	101.6	152.4	
129	94.8	78.5	117.7	
131	92.6	74.3	111.5	





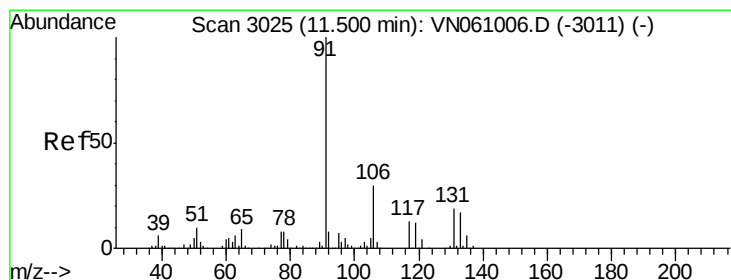
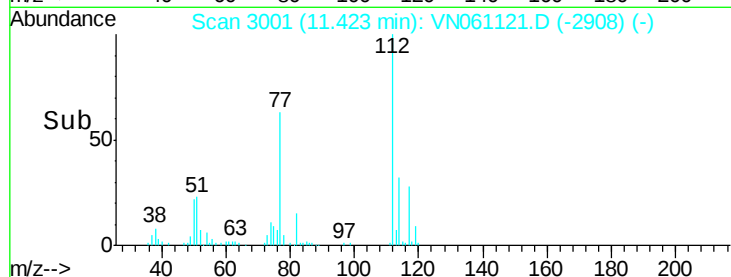
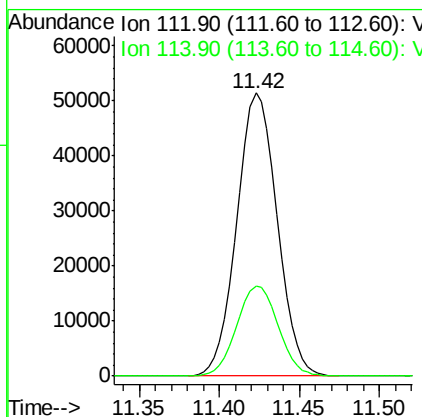
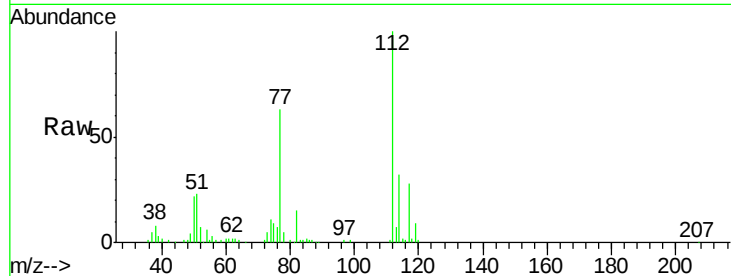
#65
Chlorobenzene
Concen: 17.598 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion:112 Resp: 88459
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7

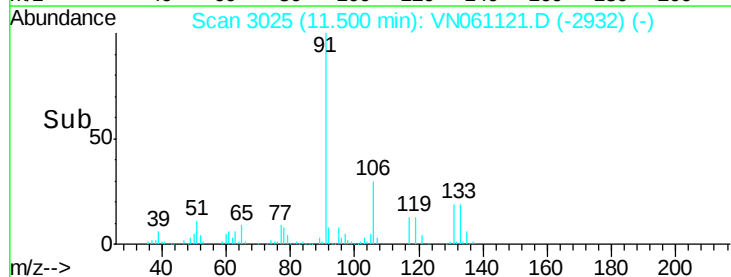
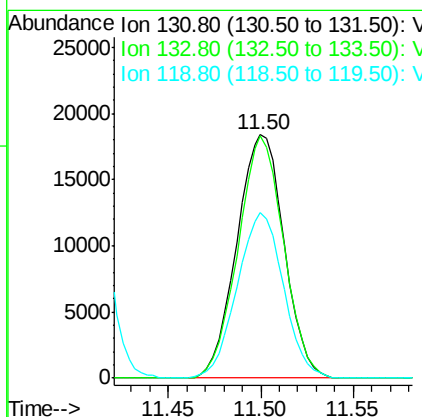
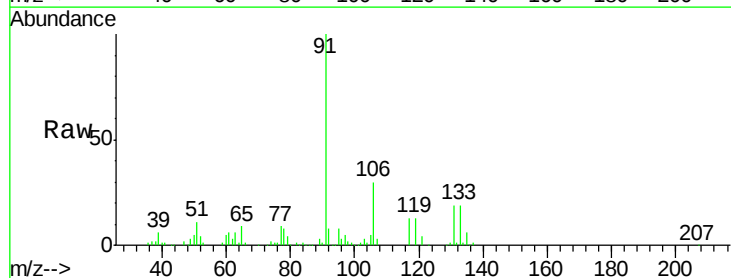
Manual Integrations
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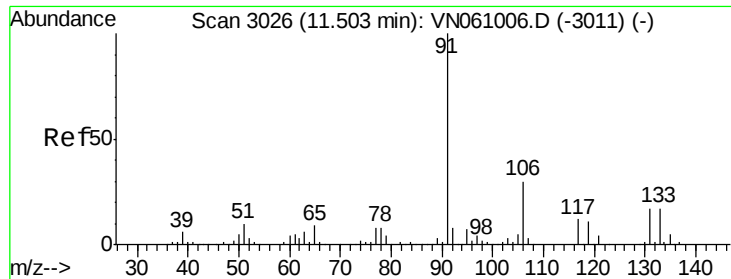
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.140 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:131 Resp: 32621
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 66.7 33.3 99.8





#67

Ethyl Benzene

Concen: 17.727 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampled :

VN0420WBSD02

Tot Ion: 91 Resp: 167606

Ion Ratio Lower Upper

91 100

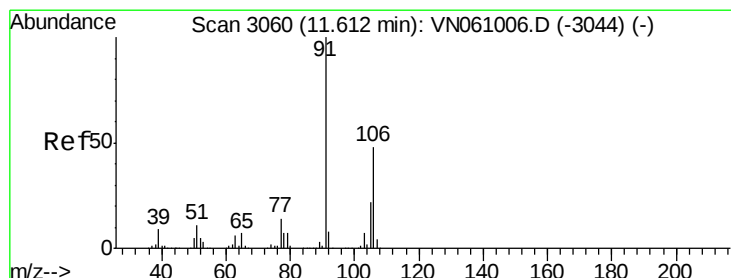
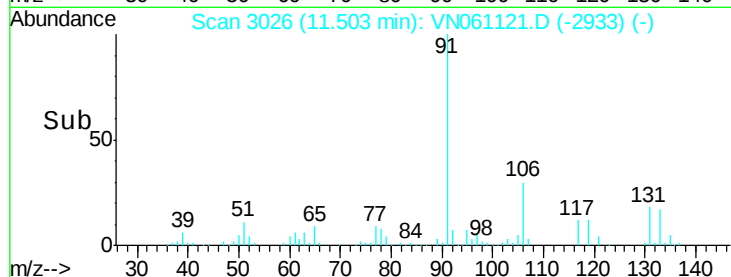
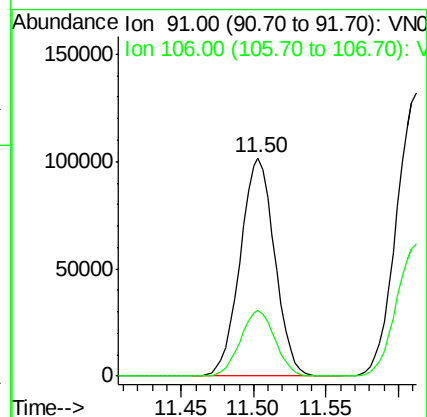
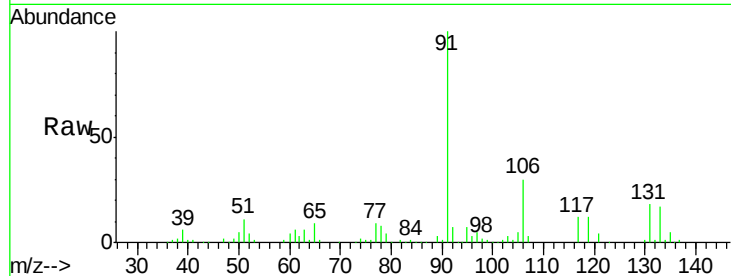
106 30.1 23.8 35.8

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 35.534 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. 0.00 min

Lab File: VN061121.D

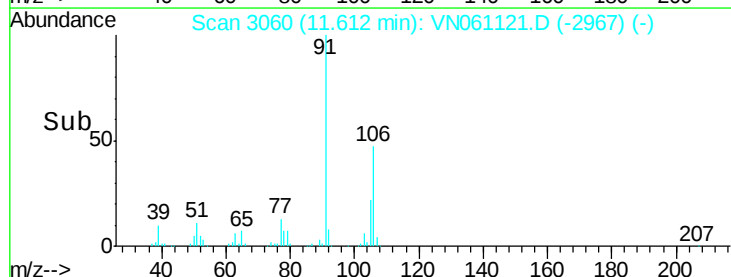
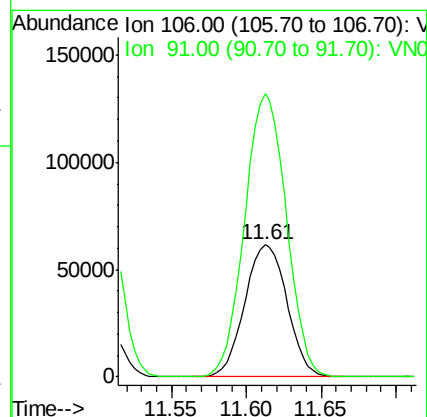
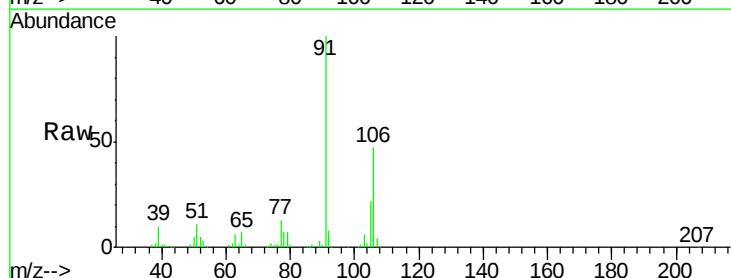
Acq: 20 Apr 2020 23:47

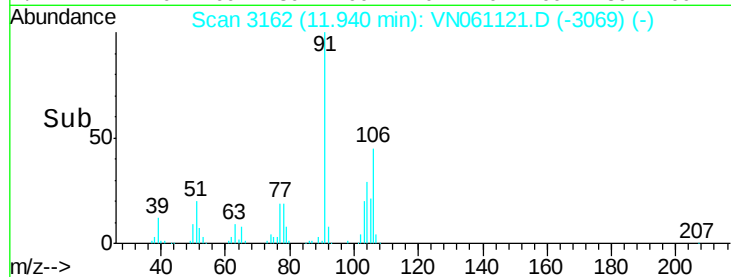
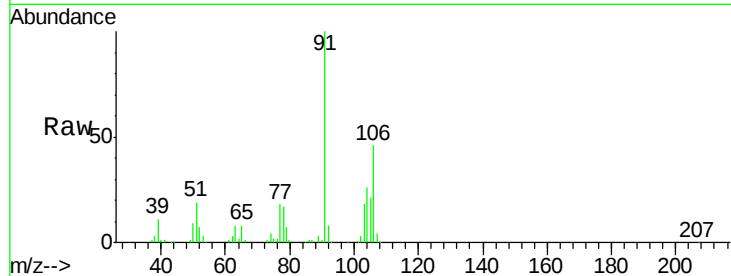
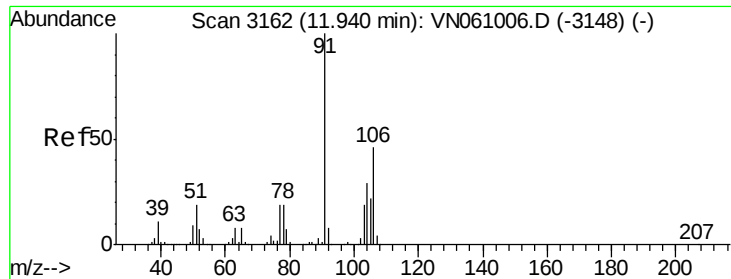
Tgt Ion: 106 Resp: 121423

Ion Ratio Lower Upper

106 100

91 210.8 167.9 251.9





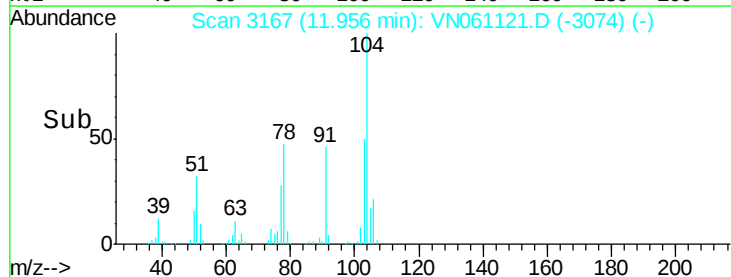
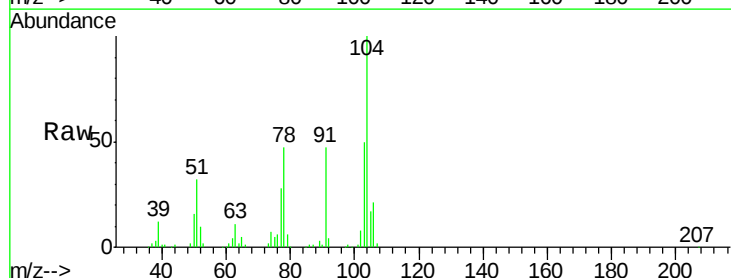
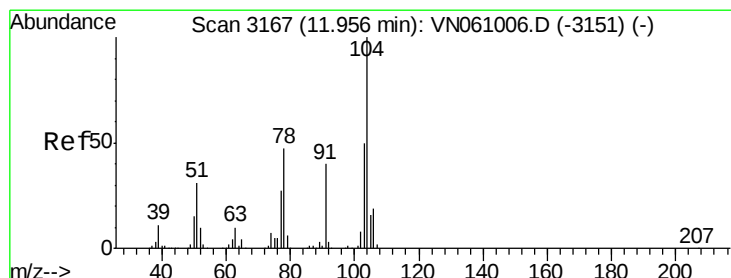
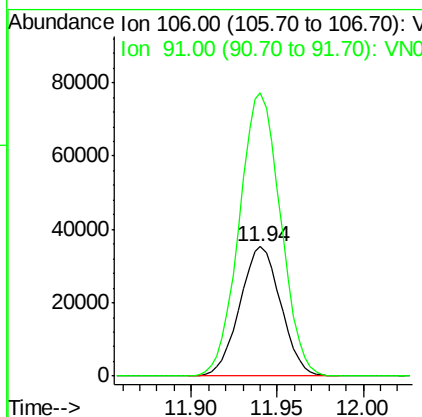
#69
o-Xylene
Concen: 17.745 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tot Ion:106 Resp: 58299
Ion Ratio Lower Upper
106 100
91 220.7 110.7 332.1

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

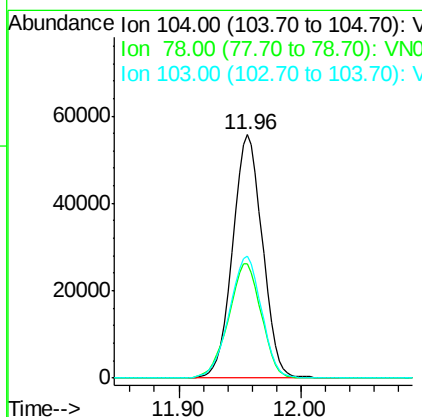
Manual Integrations
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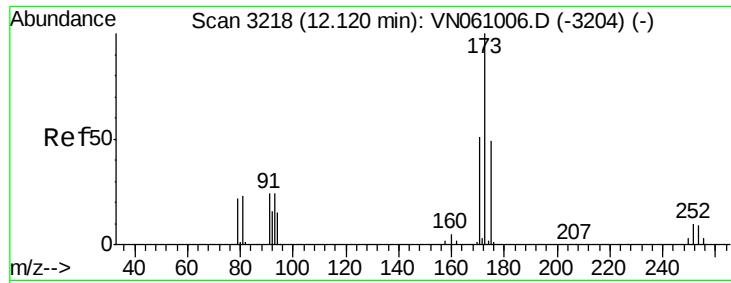
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#70
Styrene
Concen: 17.833 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:104 Resp: 94321
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 54.6 44.4 66.6





#71

Bromoform

Concen: 18.031 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion:173 Resp: 24204

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

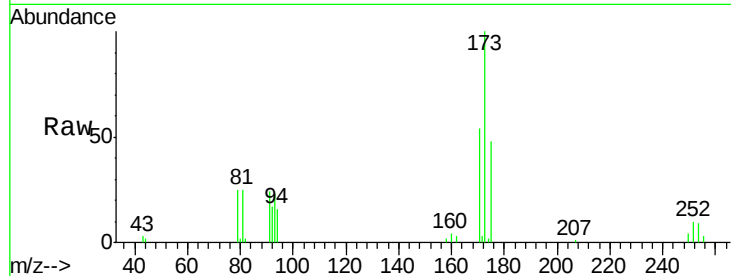
254 0.0 0.0 0.0

Manual Integrations

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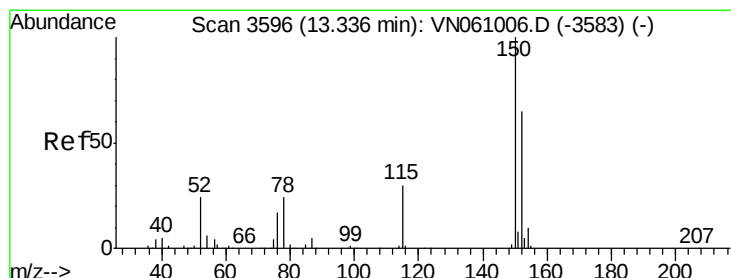
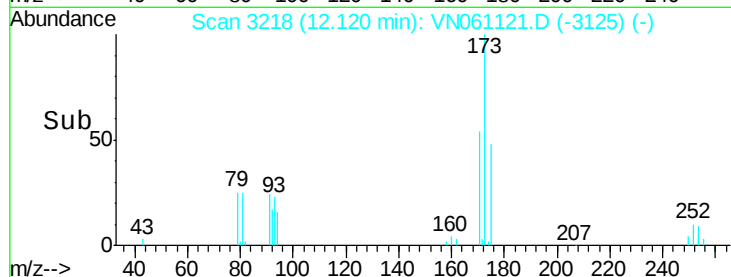
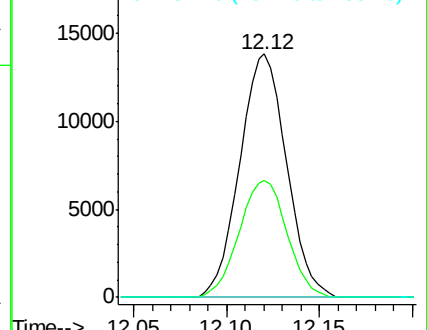
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3597

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

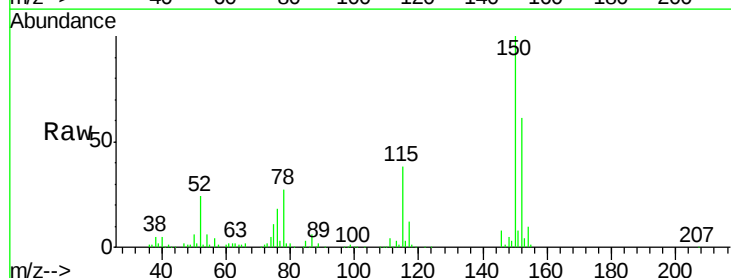
Tgt Ion:152 Resp: 110928

Ion Ratio Lower Upper

152 100

115 61.7 30.8 92.4

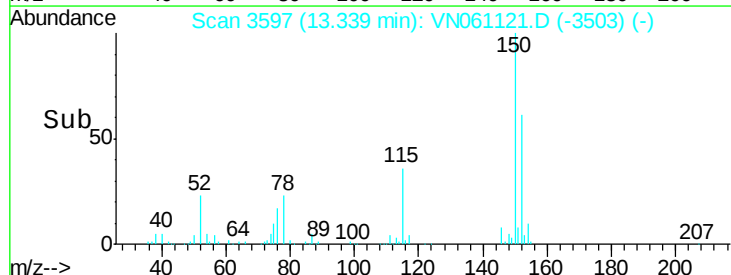
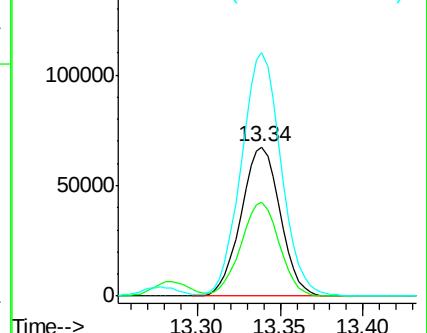
150 165.9 0.0 349.0



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: 17.811 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampled :

VN0420WBSD02

Tot Ion: 105 Resp: 158286

Ion Ratio Lower Upper

105 100

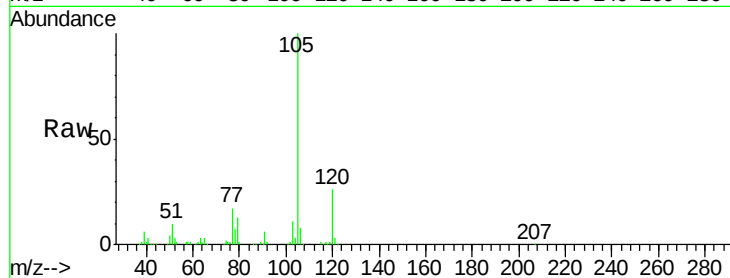
120 25.9 13.0 38.9

Manual Integrations

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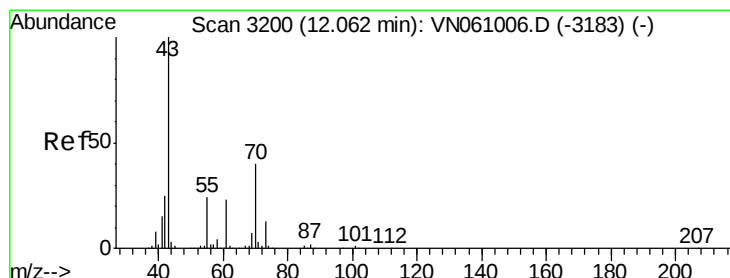
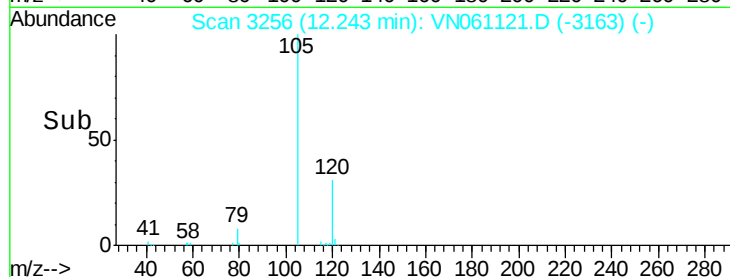
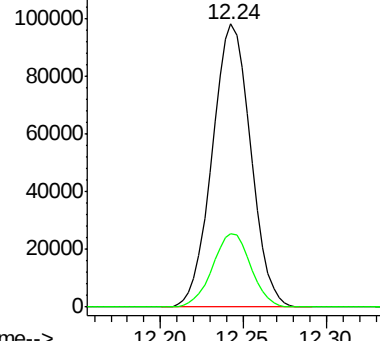
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.420 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion: 43 Resp: 71994

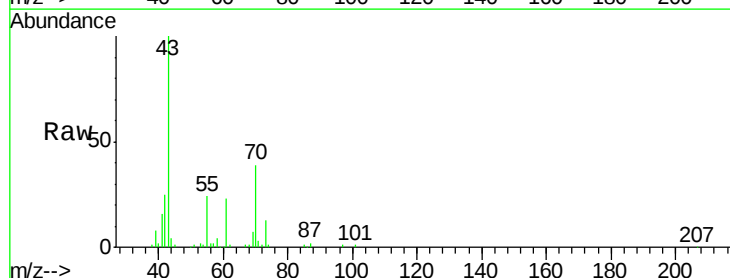
Ion Ratio Lower Upper

43 100

70 37.7 31.0 46.6

55 23.4 18.6 27.8

61 22.3 18.2 27.4

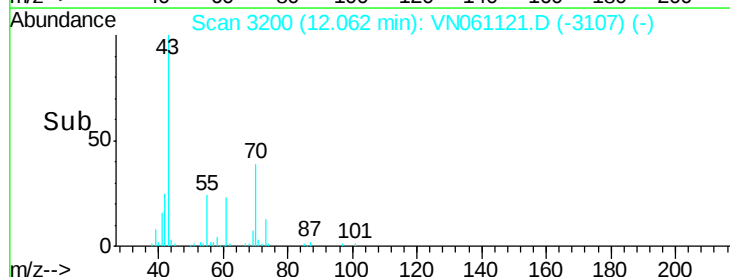
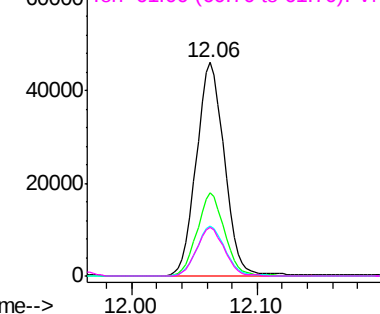


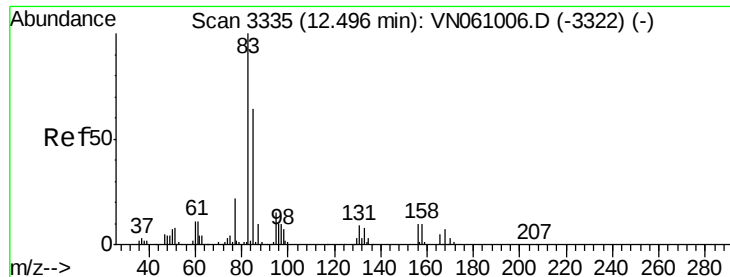
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.382 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

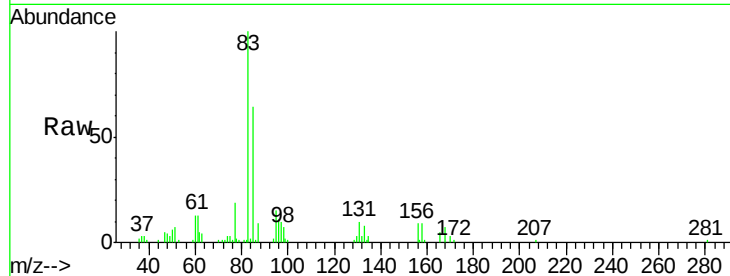
ClientSampleId :

VN0420WBSD02

Tot Ion:	83	Resp:	49868
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.4	32.3	96.8

Manual Integrations
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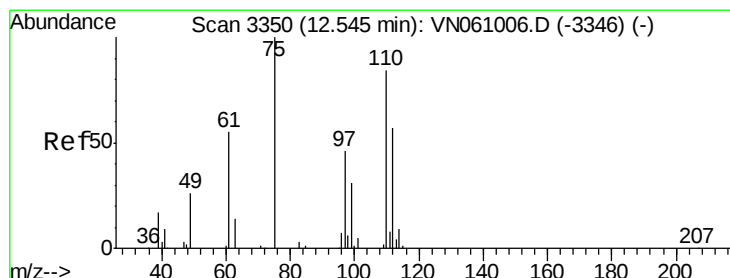
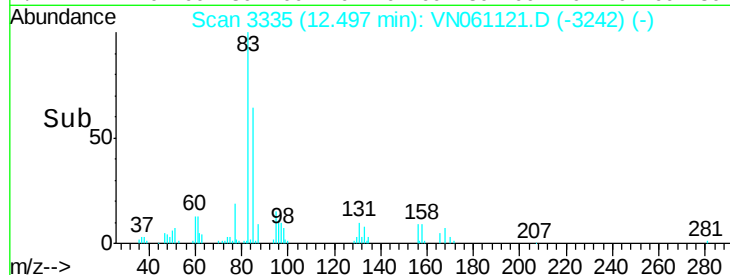
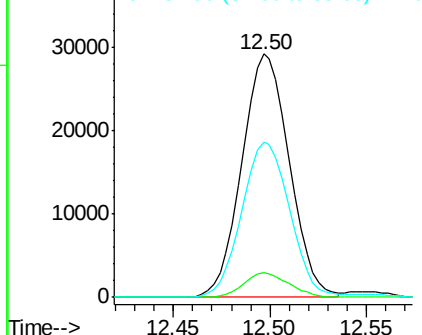
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Abundance Ion 82.90 (82.60 to 83.60): VN061121.D (-3242) (-)

Ion 130.80 (130.50 to 131.50): VN061121.D (-3242) (-)

Ion 84.90 (84.60 to 85.60): VN061121.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 19.769 ug/l m

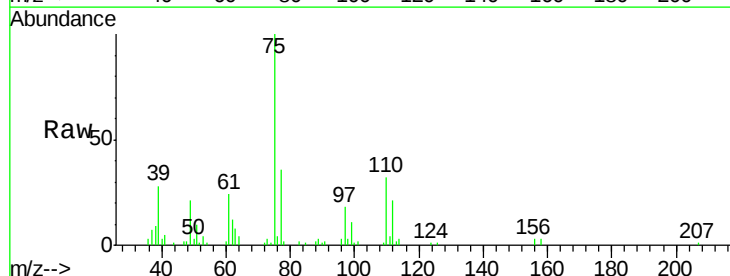
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061121.D

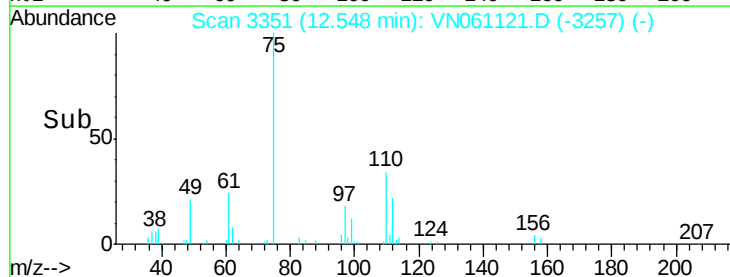
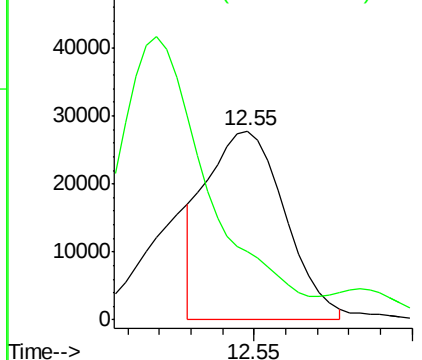
Acq: 20 Apr 2020 23:47

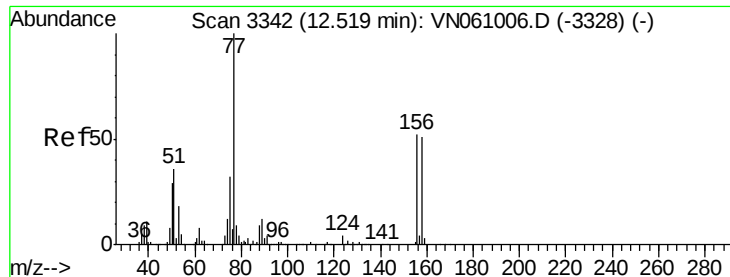
Tgt Ion:	75	Resp:	48235
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061121.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061121.D (-3257) (-)





#77

Bromobenzene

Concen: 17.737 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion:156 Resp: 36804

Ion Ratio Lower Upper

156 100

77 230.7 115.6 346.8

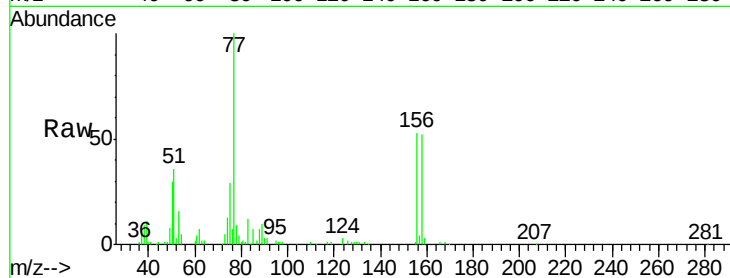
158 96.8 48.9 146.6

Manual Integrations

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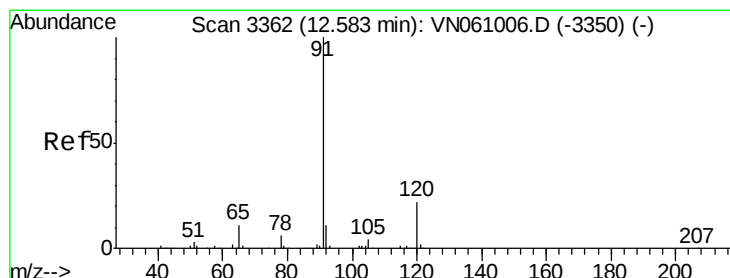
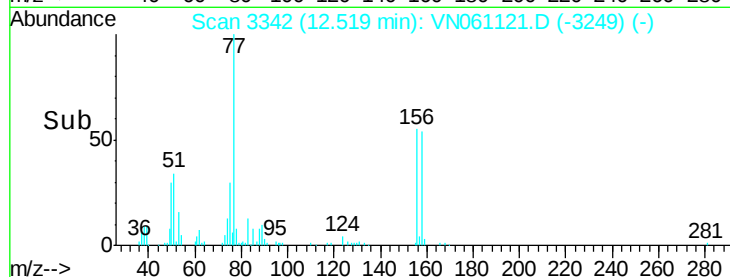
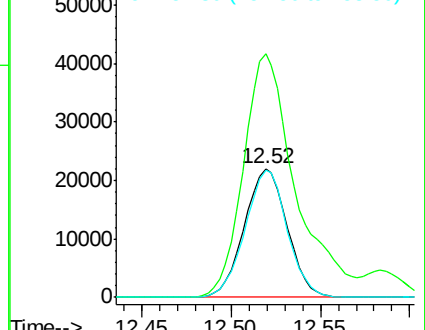
4/21/2020 12:02:54 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.896 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061121.D

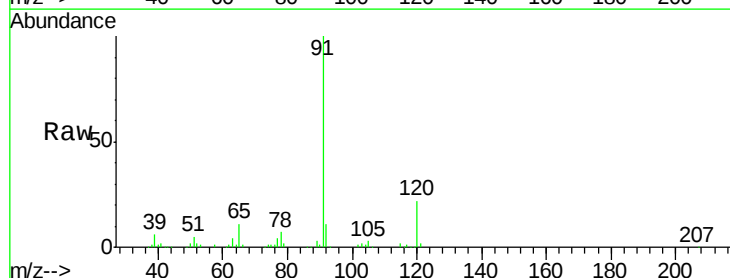
Acq: 20 Apr 2020 23:47

Tgt Ion: 91 Resp: 186071

Ion Ratio Lower Upper

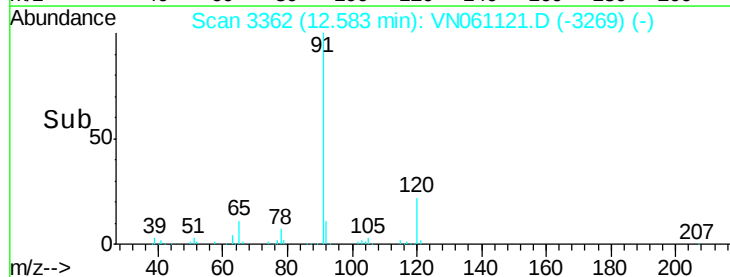
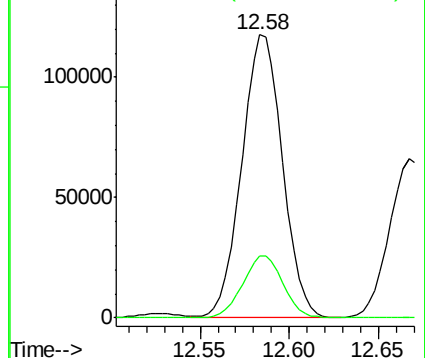
91 100

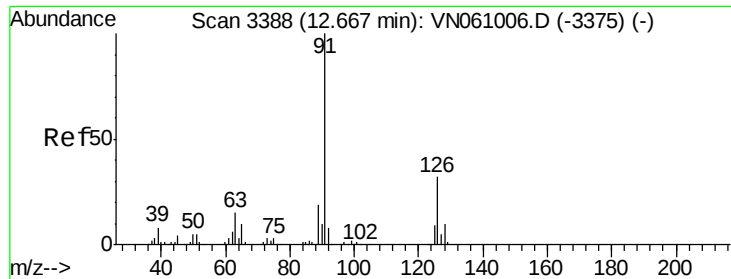
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.840 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

Tot Ion: 91 Resp: 108794

Ion Ratio Lower Upper

91 100

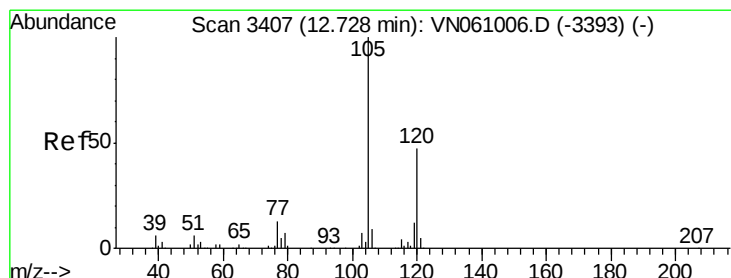
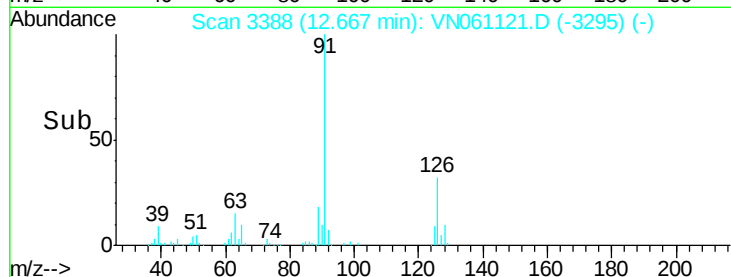
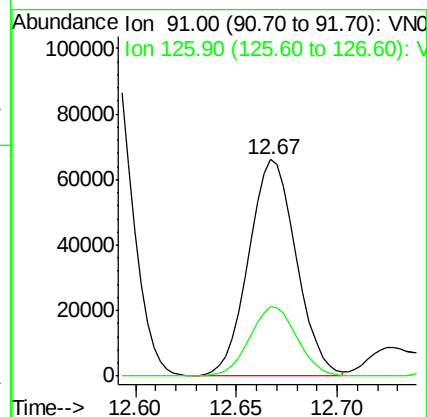
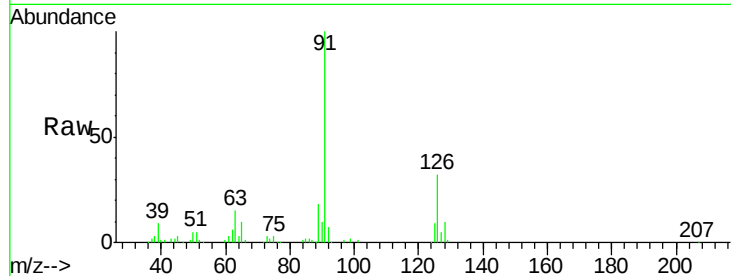
126 32.0 16.1 48.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 17.795 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061121.D

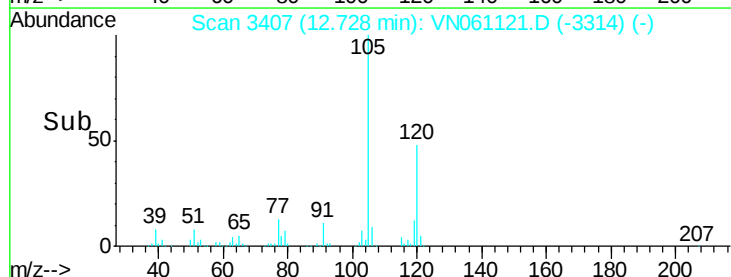
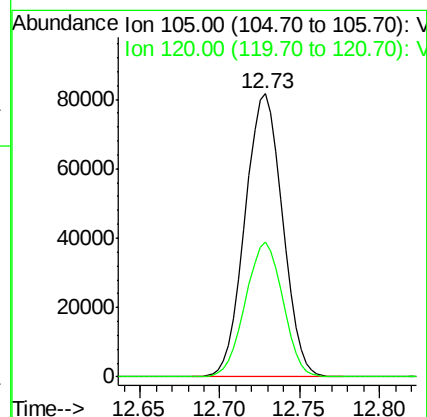
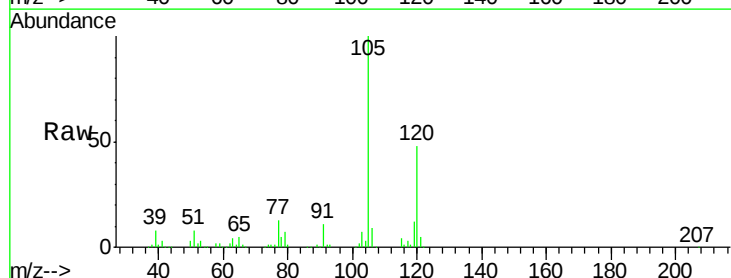
Acq: 20 Apr 2020 23:47

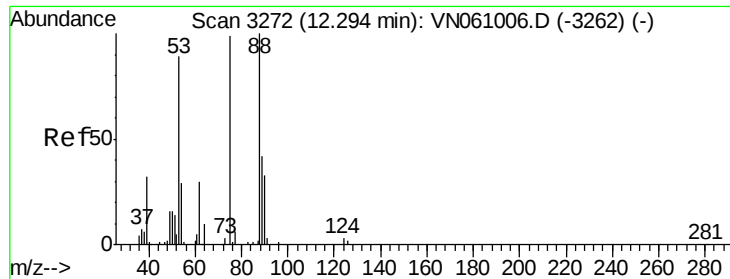
Tgt Ion: 105 Resp: 130718

Ion Ratio Lower Upper

105 100

120 47.6 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.298 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

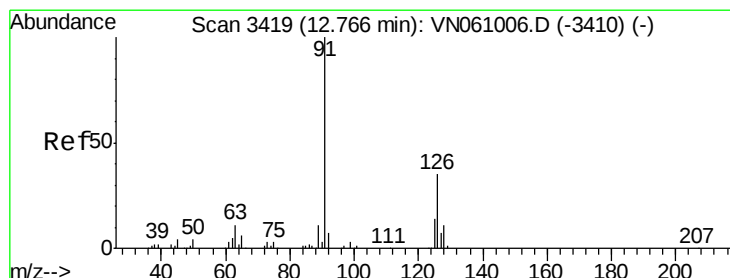
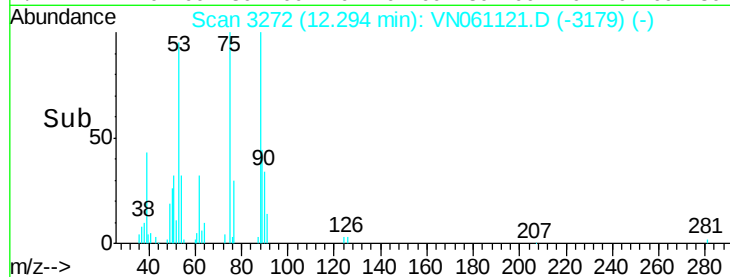
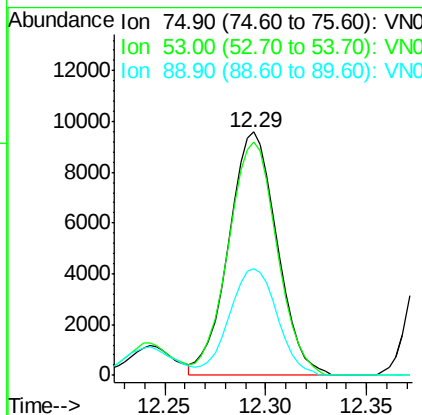
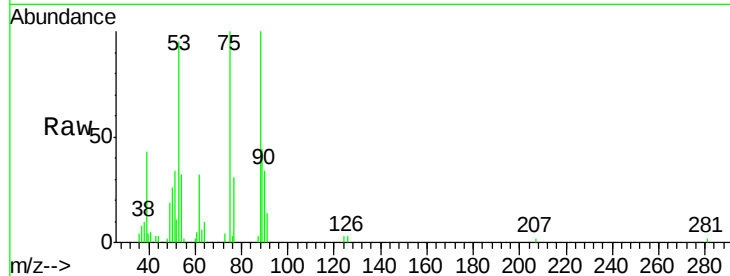
ClientSampleId :

VN0420WBSD02

Tot Ion:	75	Resp:	16122
Ion	Ratio	Lower	Upper
75	100		
53	96.6	74.7	112.1
89	43.3	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.935 ug/l

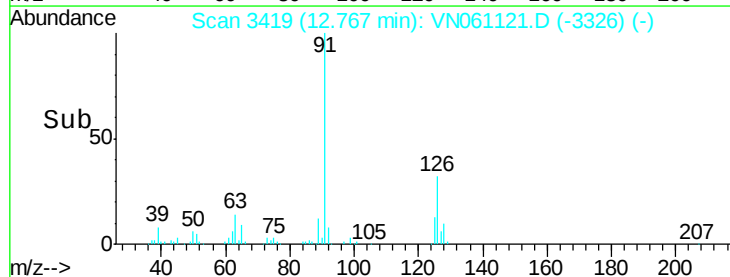
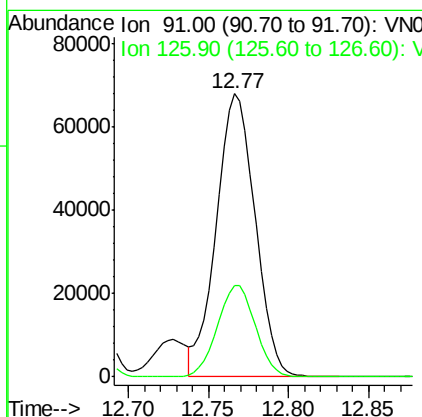
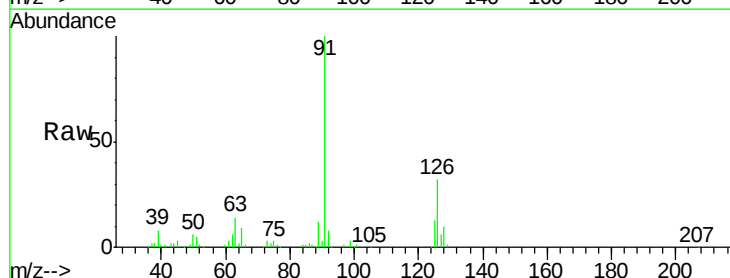
RT: 12.77 min Scan# 3419

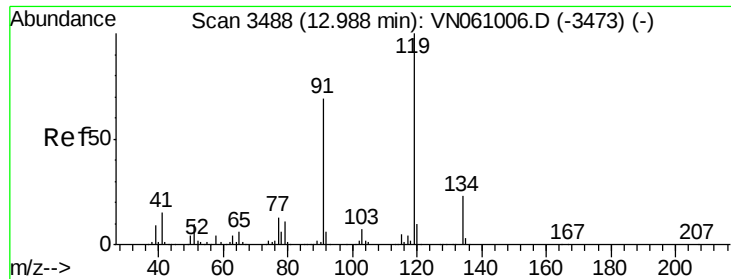
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	91	Resp:	113432
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





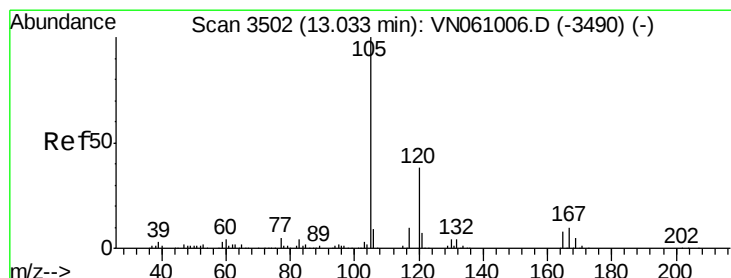
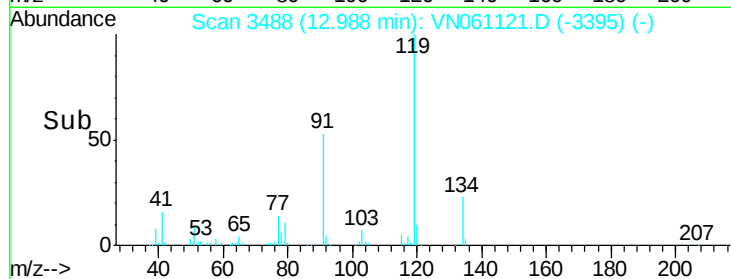
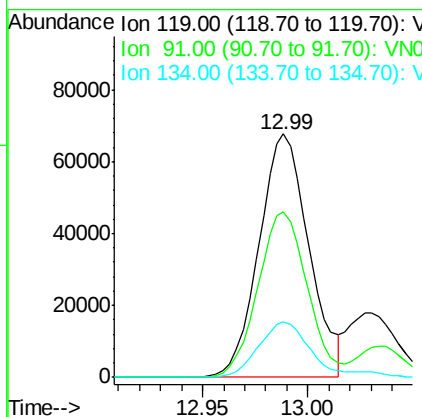
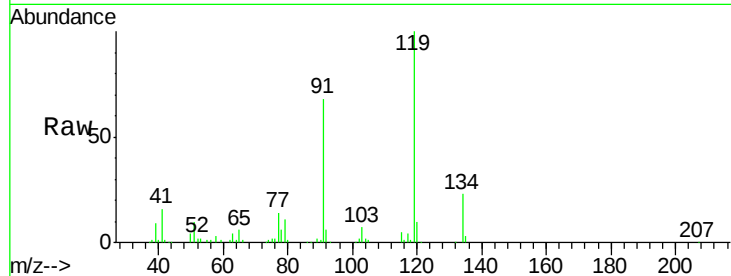
#83
tert-Butylbenzene
Concen: 18.022 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111336		
91	67.6	34.1	102.3	
134	24.4	12.4	37.2	

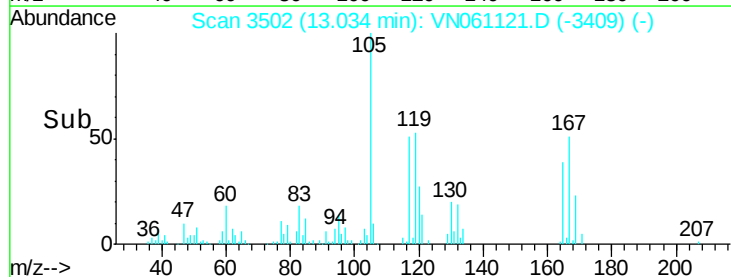
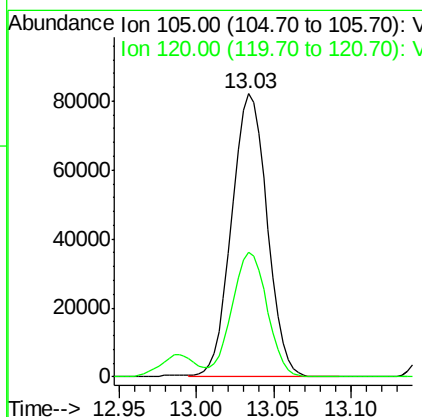
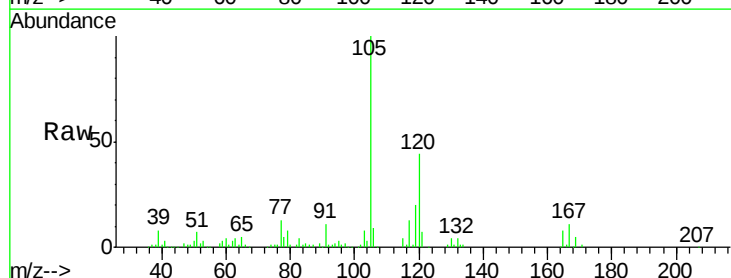
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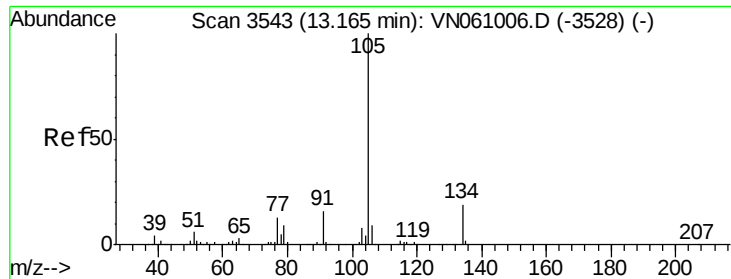
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.014 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	130801		
120	43.9	22.1	66.5	





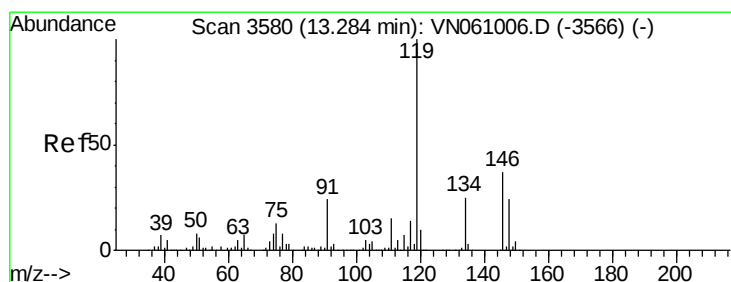
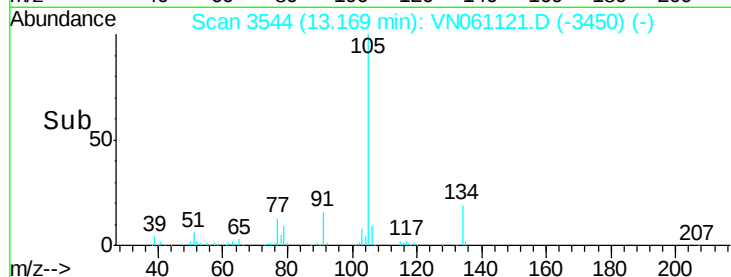
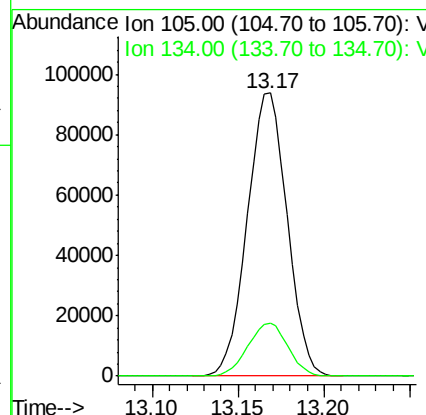
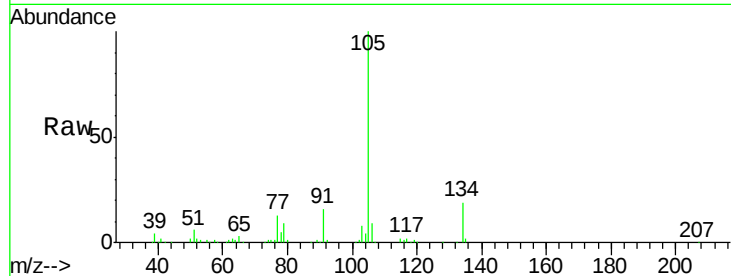
#85
 sec-Butylbenzene
 Concen: 18.022 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.5	28.5

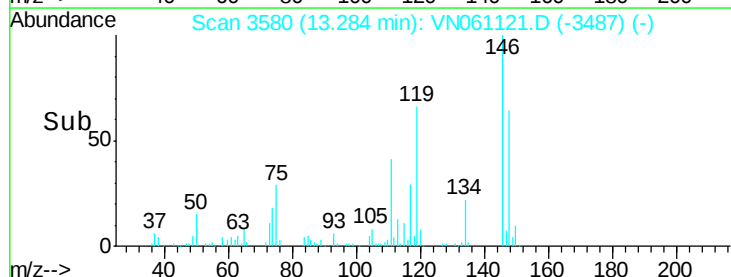
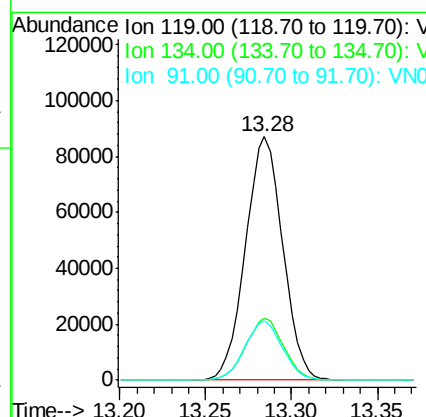
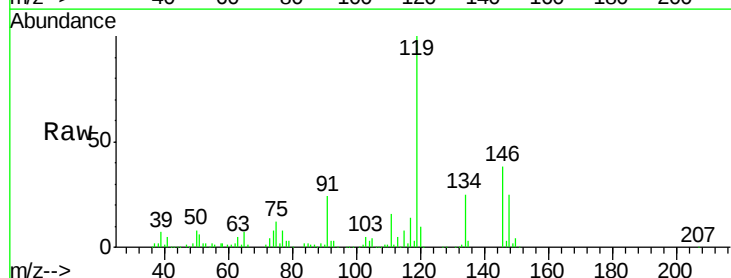
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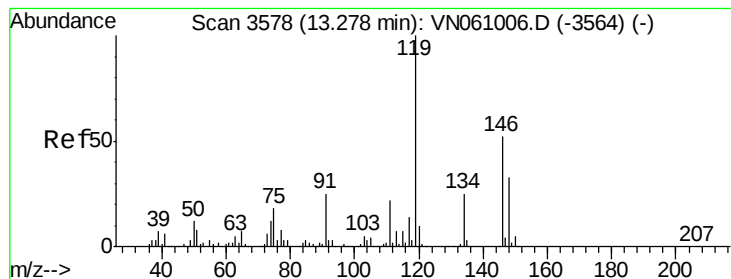
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#86
 p-Isopropyltoluene
 Concen: 17.583 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.6	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 17.809 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

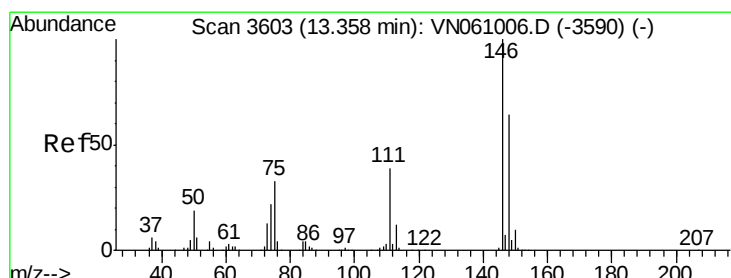
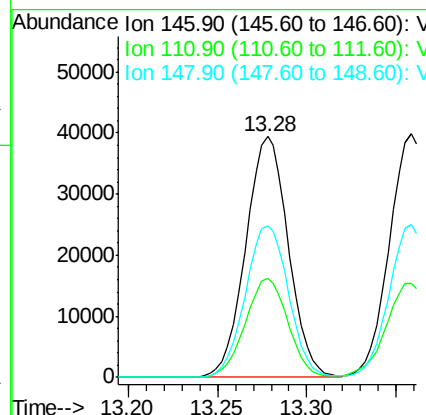
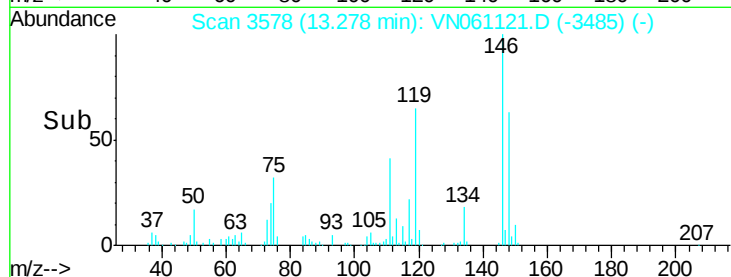
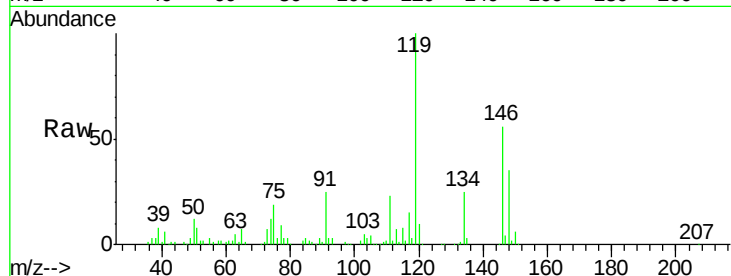
ClientSampleId :

VN0420WBSD02

Tot Ion:	146	Resp:	65856
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	63.9	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.554 ug/l

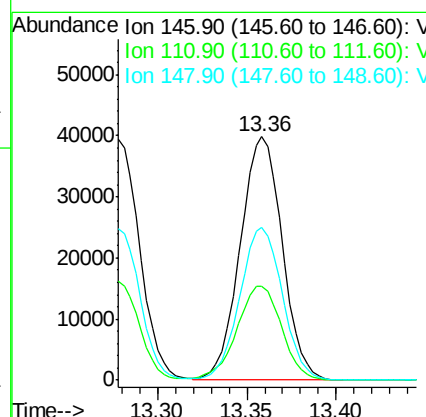
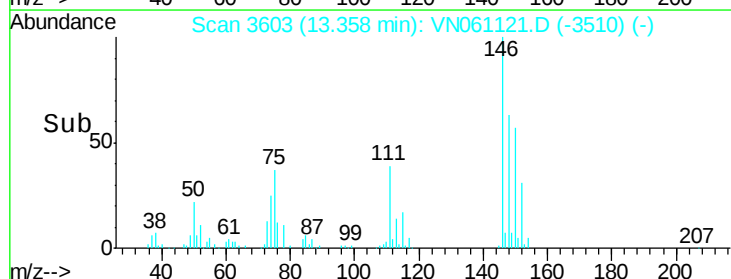
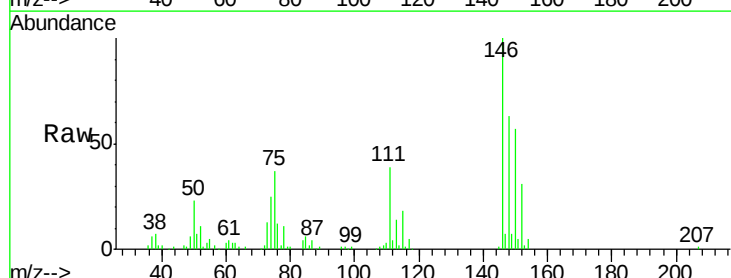
RT: 13.36 min Scan# 3603

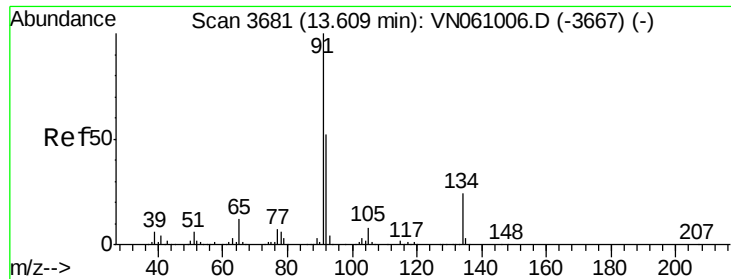
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	146	Resp:	65304
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.3
148	63.4	32.1	96.3





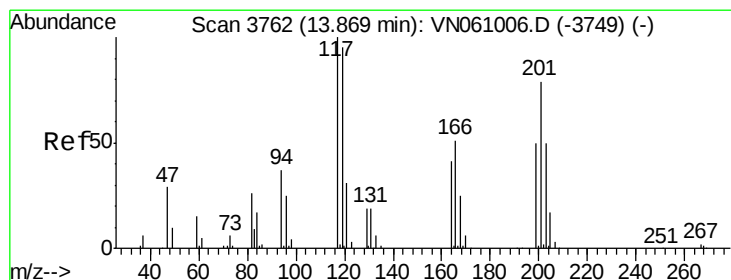
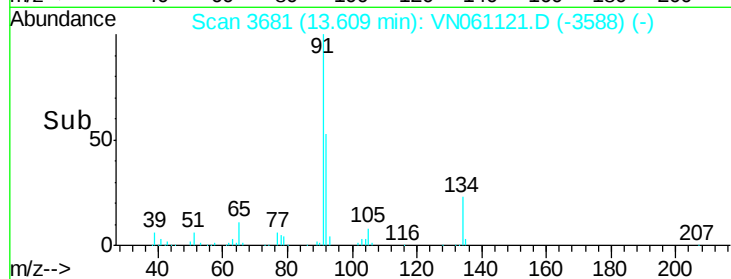
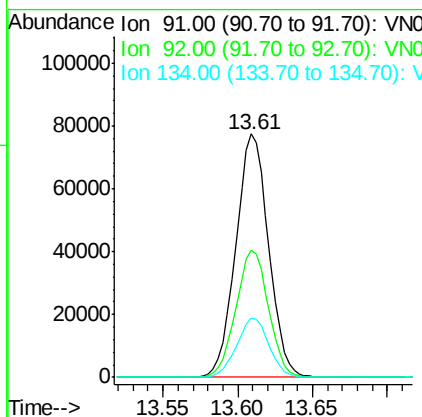
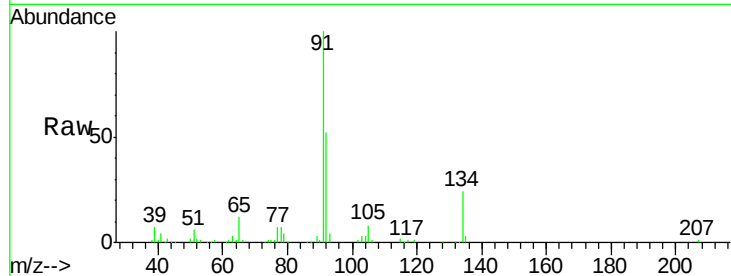
#89
n-Butylbenzene
Concen: 17.028 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.0	12.3	36.8

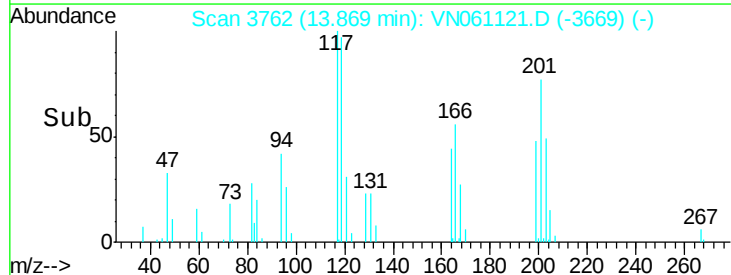
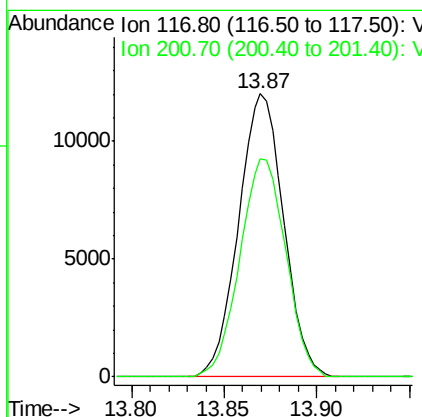
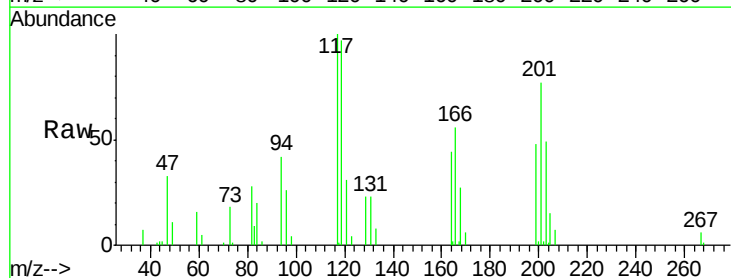
Manual Integrations
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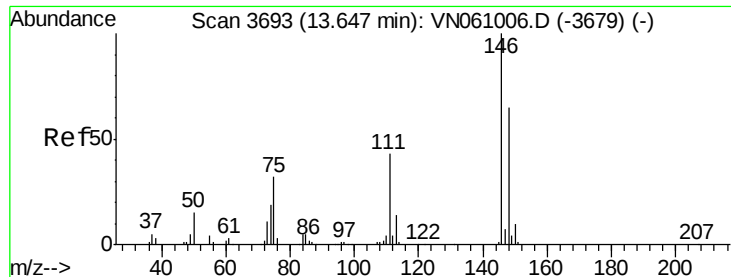
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#90
Hexachloroethane
Concen: 17.704 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.3	117.9





#91

1,2-Dichlorobenzene

Concen: 18.185 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

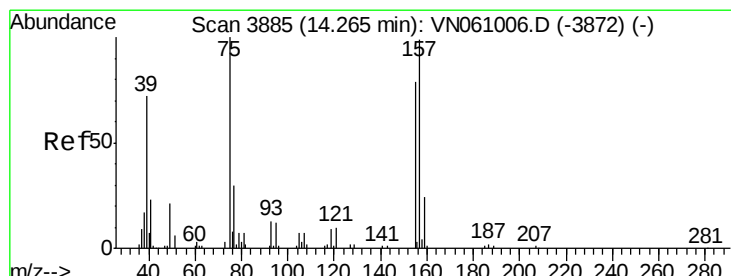
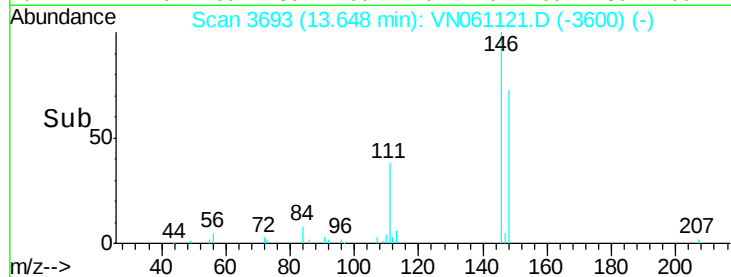
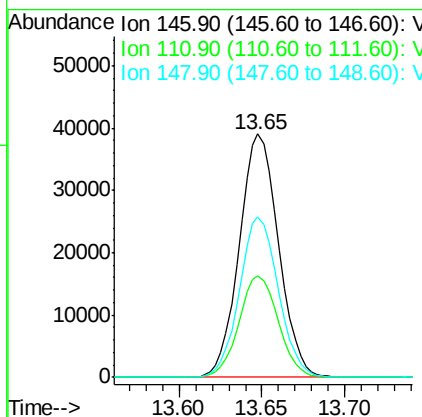
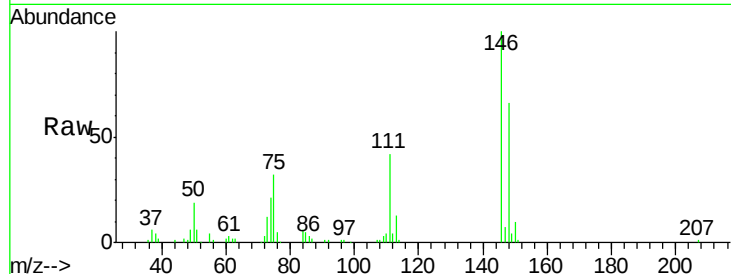
ClientSampleId :

VN0420WBSD02

Tot Ion:	146	Resp:	64182
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.3	64.0
148	65.3	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.521 ug/l

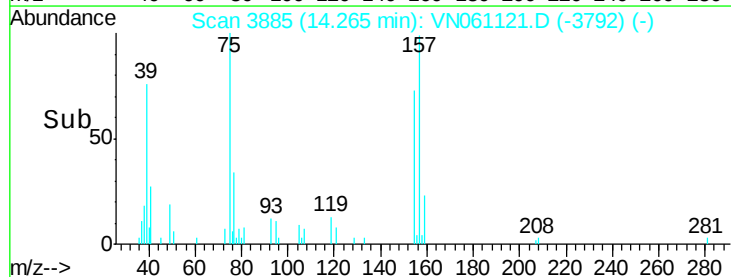
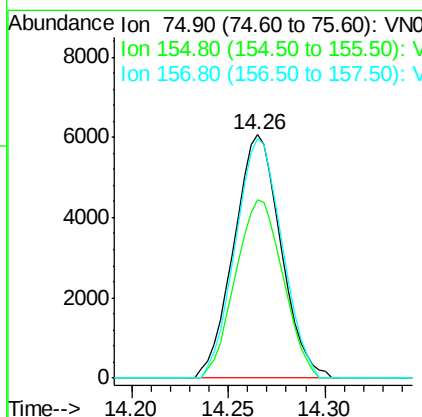
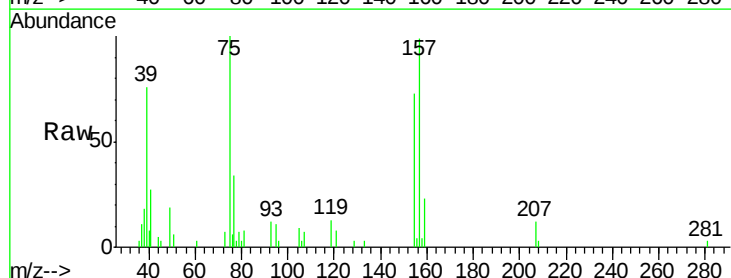
RT: 14.26 min Scan# 3885

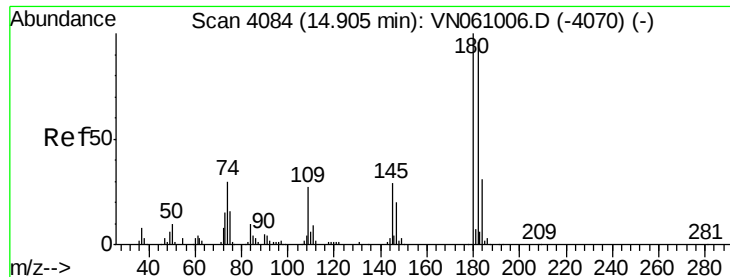
Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion:	75	Resp:	10249
Ion Ratio	Lower	Upper	
75	100		
155	74.0	39.5	118.5
157	97.5	50.1	150.4





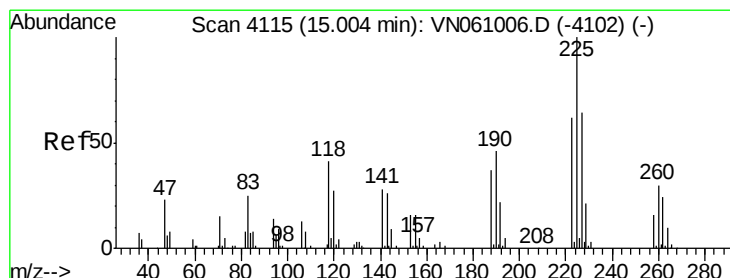
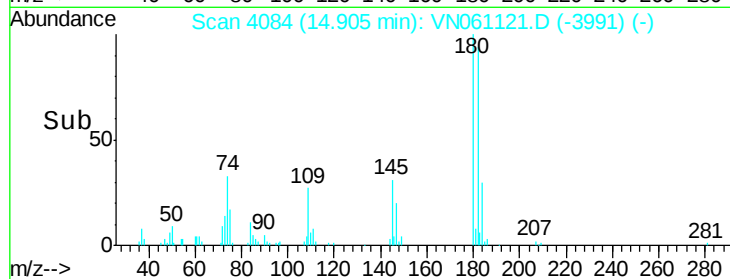
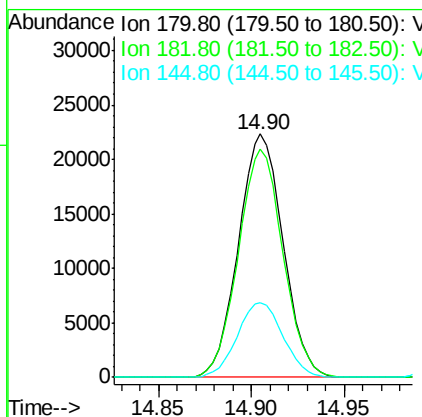
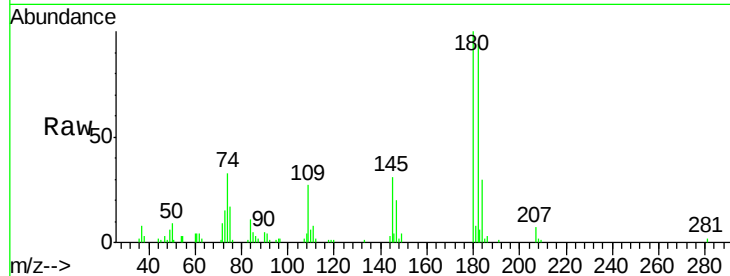
#93
 1,2,4-Trichlorobenzene
 Concen: 17.829 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.8	143.3
145	31.4	15.3	45.8

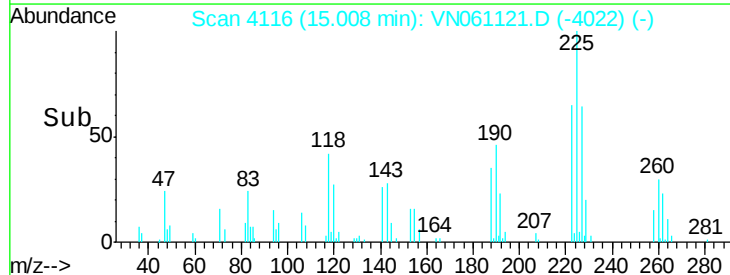
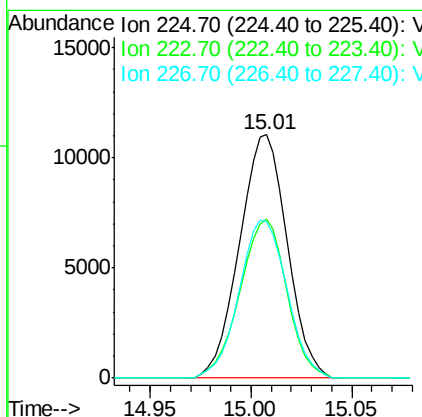
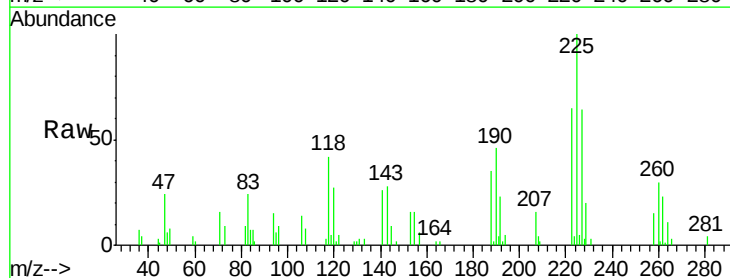
Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:54 PM



#94
 Hexachlorobutadiene
 Concen: 17.019 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	64.8	31.9	95.5





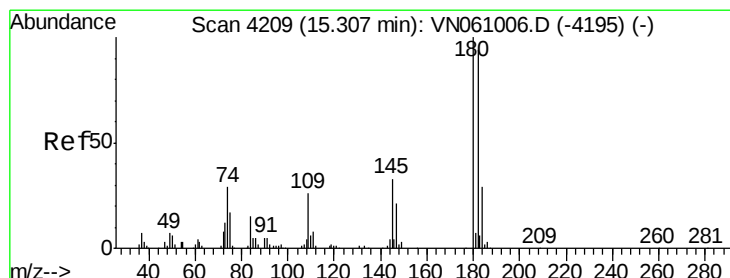
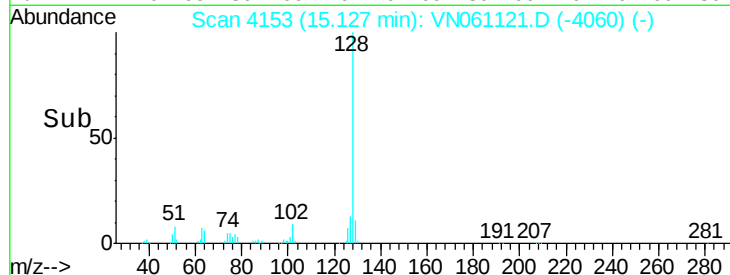
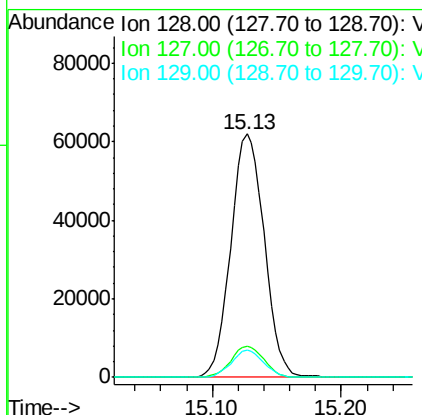
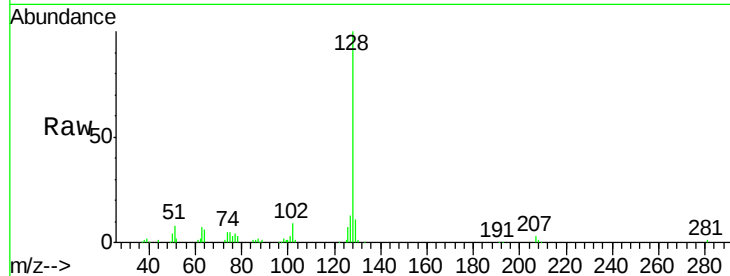
#95
Naphthalene
Concen: 18.313 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/21/2020 12:02:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.862 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.6	142.8
145	32.4	16.4	49.2

