

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061120.D
 Acq On : 20 Apr 2020 23:24
 Operator : JC/MD
 Sample : VN0420WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:50 PM

Quant Time: Apr 21 06:50:12 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	144304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	248618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	223790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	102193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	94587	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	7.56	113	73149	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.08	98	259231	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	12.39	95	101698	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35923	19.062	ug/l	98
3) Chloromethane	2.04	50	47191	18.438	ug/l	99
4) Vinyl Chloride	2.17	62	41418	19.473	ug/l	98
5) Bromomethane	2.55	94	21262	19.934	ug/l	98
6) Chloroethane	2.69	64	23972	19.539	ug/l	97
7) Trichlorofluoromethane	3.00	101	52935	19.991	ug/l	99
8) Diethyl Ether	3.38	74	20231	19.224	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29129	18.750	ug/l	100
10) Methyl Iodide	3.93	142	27163	19.819	ug/l	98
11) Tert butyl alcohol	4.72	59	34685	105.883	ug/l	99
12) 1,1-Dichloroethene	3.72	96	30964	19.608	ug/l	98
13) Acrolein	3.58	56	19323	69.862	ug/l	97
14) Allyl chloride	4.29	41	55483	18.569	ug/l	98
15) Acrylonitrile	4.94	53	91799	103.355	ug/l	98
16) Acetone	3.78	43	76520	94.162	ug/l	98
17) Carbon Disulfide	4.03	76	91380	18.493	ug/l	99
18) Methyl Acetate	4.29	43	54450	21.368	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	108995	19.795	ug/l	99
20) Methylene Chloride	4.52	84	35173	19.824	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	32766	19.400	ug/l	95
22) Diisopropyl ether	5.91	45	122927	19.810	ug/l	94
23) Vinyl Acetate	5.86	43	471784	96.952	ug/l	100
24) 1,1-Dichloroethane	5.82	63	65891	19.660	ug/l	99
25) 2-Butanone	6.80	43	124798	100.218	ug/l	98
26) 2,2-Dichloropropane	6.79	77	49102	17.596	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	38743	19.980	ug/l	96
28) Bromochloromethane	7.17	49	31633	20.562	ug/l	99
29) Tetrahydrofuran	7.18	42	86572	102.404	ug/l	99
30) Chloroform	7.34	83	62460	19.980	ug/l	99
31) Cyclohexane	7.63	56	62725	18.238	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	54779	20.259	ug/l	100
36) 1,1-Dichloropropene	7.77	75	48291	18.823	ug/l	99
37) Ethyl Acetate	6.89	43	54268	19.481	ug/l	99
38) Carbon Tetrachloride	7.75	117	41724	19.539	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	53963	17.594	ug/l	96
40) Benzene	8.02	78	145821	19.159	ug/l	100
41) Methacrylonitrile	7.15	41	24284m	20.900	ug/l	
42) 1,2-Dichloroethane	8.10	62	51130	19.720	ug/l	99
43) Isopropyl Acetate	8.14	43	88177	19.462	ug/l	100
44) Trichloroethene	8.81	130	36176	18.916	ug/l	98
45) 1,2-Dichloropropane	9.10	63	39401	19.166	ug/l	100
46) Dibromomethane	9.19	93	23875	20.143	ug/l	98
47) Bromodichloromethane	9.38	83	48819	19.497	ug/l	98
48) Methyl methacrylate	9.18	41	38783	19.370	ug/l	98
49) 1,4-Dioxane	9.18	88	11174	410.147	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	262340	100.445	ug/l	100
52) Toluene	10.14	92	86746	18.998	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	54666	18.795	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	59044	18.606	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	34077	19.722	ug/l	97
56) Ethyl methacrylate	10.42	69	51817	19.071	ug/l	97
57) 1,3-Dichloropropane	10.70	76	60212	19.536	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	111494	90.304	ug/l	99
59) 2-Hexanone	10.74	43	187066	99.315	ug/l	99
60) Dibromochloromethane	10.89	129	34915	19.671	ug/l	99
61) 1,2-Dibromoethane	10.99	107	34466	19.575	ug/l	99
64) Tetrachloroethene	10.62	164	33805	19.741	ug/l	97
65) Chlorobenzene	11.42	112	87824	19.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	31699	19.179	ug/l	98
67) Ethyl Benzene	11.50	91	163234	18.784	ug/l	100
68) m/p-Xylenes	11.61	106	119473	38.041	ug/l	100
69) o-Xylene	11.94	106	57707	19.111	ug/l	100
70) Styrene	11.96	104	92454	19.018	ug/l	100
71) Bromoform	12.12	173	24246	19.652	ug/l #	99
73) Isopropylbenzene	12.24	105	156303	19.091	ug/l	100
74) N-amyl acetate	12.06	43	69901	18.360	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49586	19.841	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	47248m	21.019	ug/l	
77) Bromobenzene	12.52	156	37107	19.412	ug/l	97
78) n-propylbenzene	12.59	91	181459	18.944	ug/l	100
79) 2-Chlorotoluene	12.67	91	106964	19.040	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	130165	19.234	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	15610	17.129	ug/l	97
82) 4-Chlorotoluene	12.77	91	110914	19.036	ug/l	100
83) tert-Butylbenzene	12.99	119	108732	19.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	127241	19.022	ug/l	100
85) sec-Butylbenzene	13.17	105	146100	18.946	ug/l	99
86) p-Isopropyltoluene	13.28	119	129770	18.899	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	65071	19.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	64605	18.851	ug/l	99
89) n-Butylbenzene	13.61	91	116017	18.169	ug/l	99
90) Hexachloroethane	13.87	117	20171	19.147	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	62537	19.234	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	9819	20.301	ug/l	96

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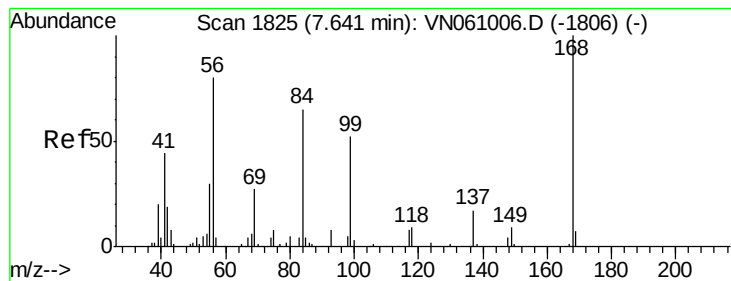
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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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	36441	18.936	ug/l	98
94) Hexachlorobutadiene	15.01	225	18330	18.515	ug/l	100
95) Naphthalene	15.13	128	107641	19.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	35954	19.386	ug/l	100

(#) = 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: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS02

Tot Ion:168 Resp: 144304

Ion Ratio Lower Upper

168 100

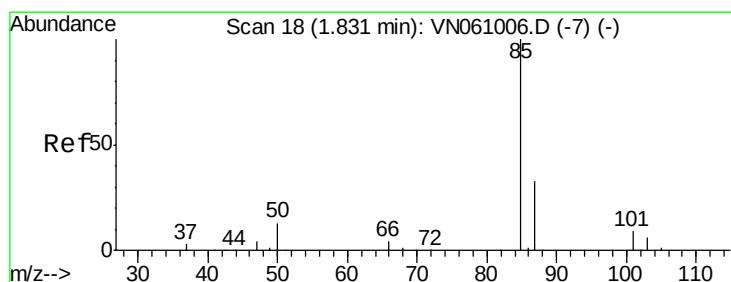
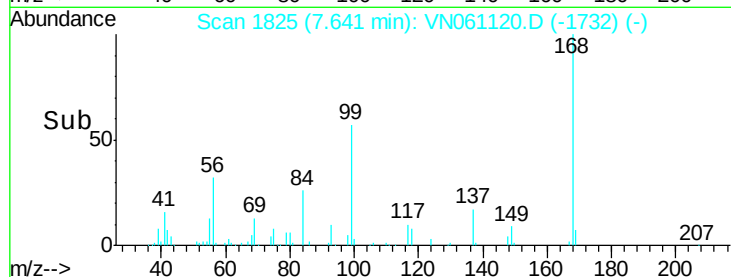
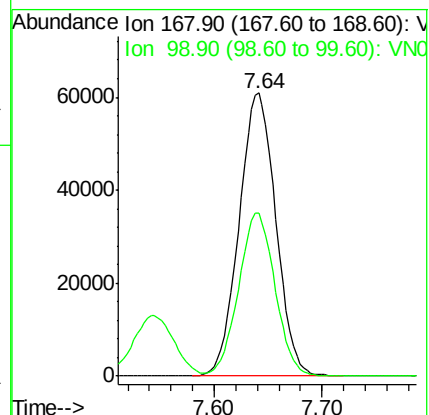
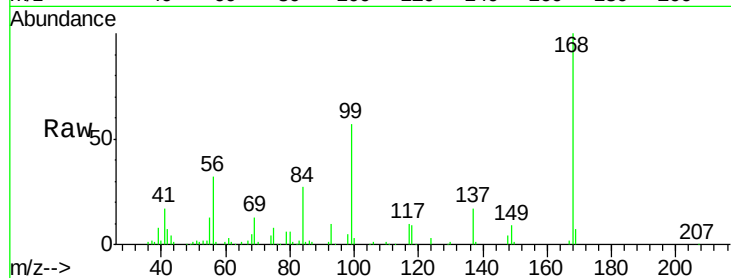
99 57.5 47.4 71.2

Manual Integrations

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4/21/2020 12:02:50 PM



#2

Dichlorodifluoromethane

Concen: 19.062 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061120.D

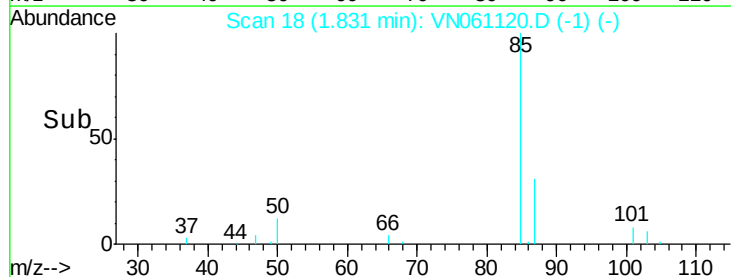
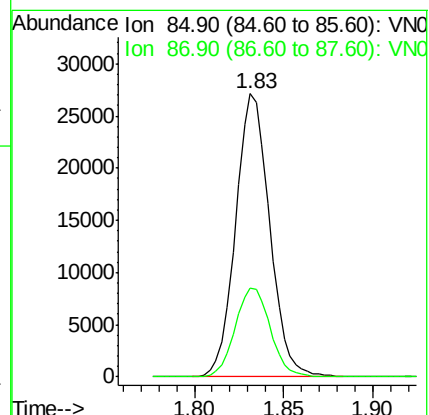
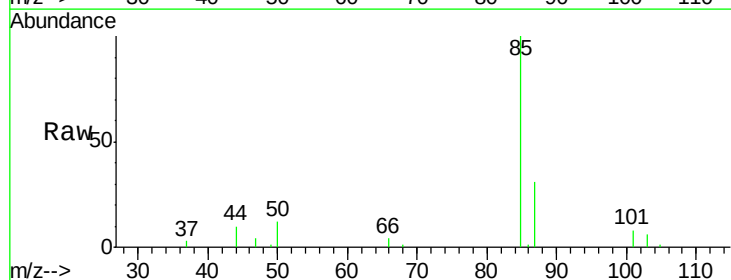
Acq: 20 Apr 2020 23:24

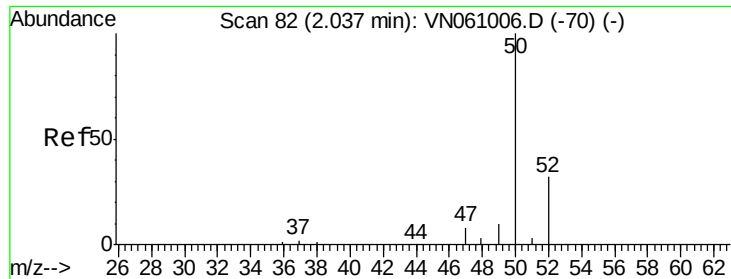
Tgt Ion: 85 Resp: 35923

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9





#3

Chloromethane

Concen: 18.438 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS02

Tot Ion: 50 Resp: 47191

Ion Ratio Lower Upper

50 100

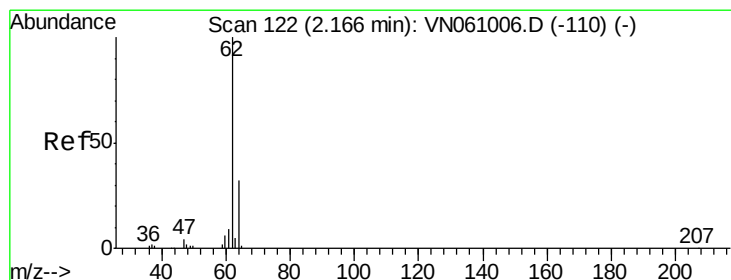
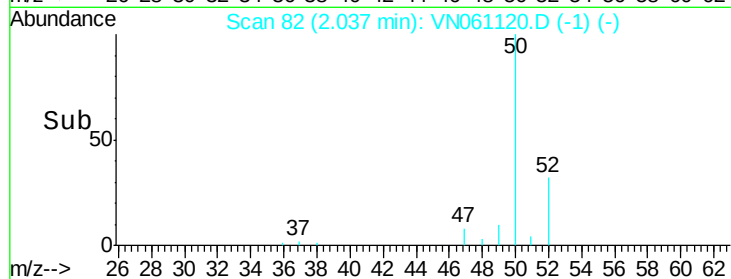
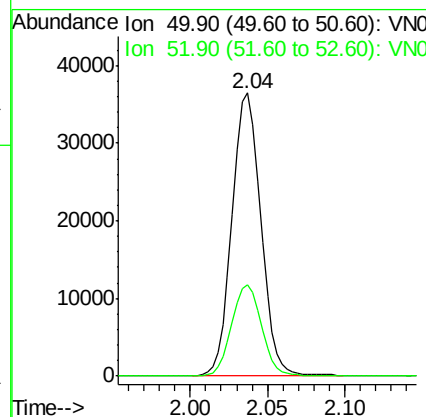
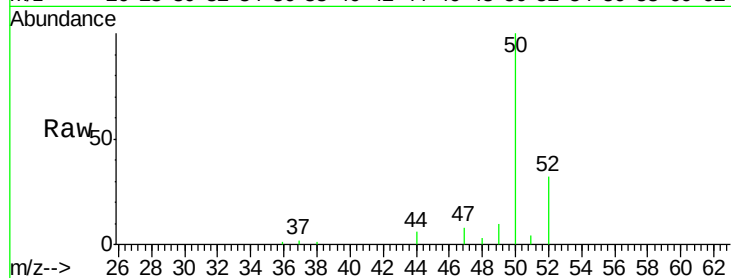
52 32.4 25.6 38.4

Manual Integrations

APPROVED

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4/21/2020 12:02:50 PM



#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061120.D

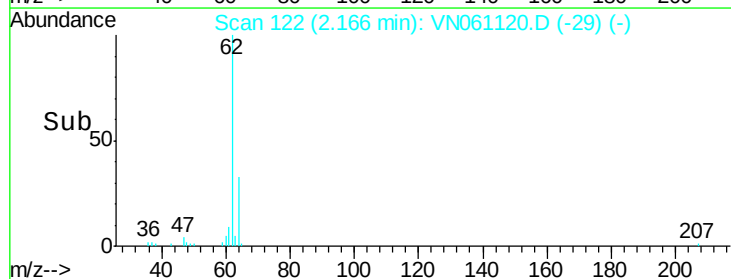
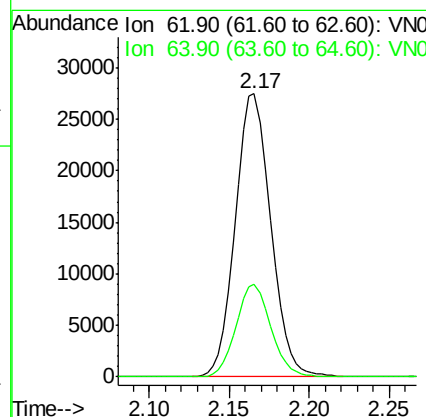
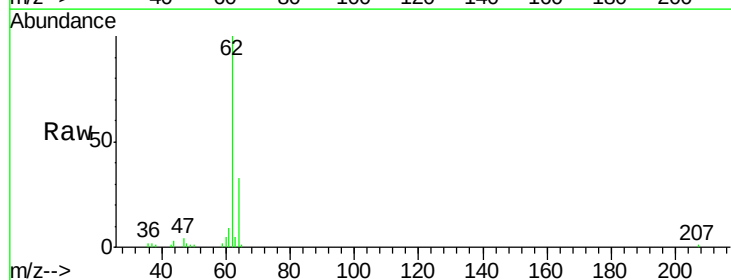
Acq: 20 Apr 2020 23:24

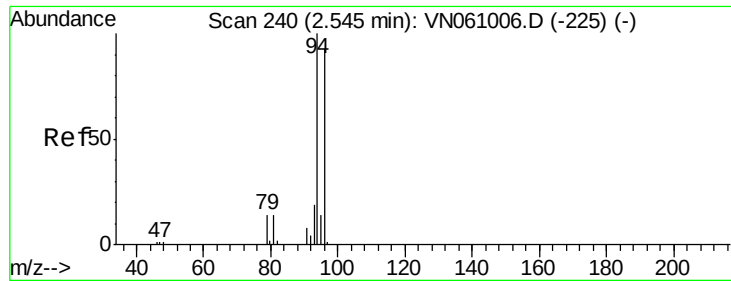
Tgt Ion: 62 Resp: 41418

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 19.934 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS02

Tot Ion: 94 Resp: 21262

Ion Ratio Lower Upper

94 100

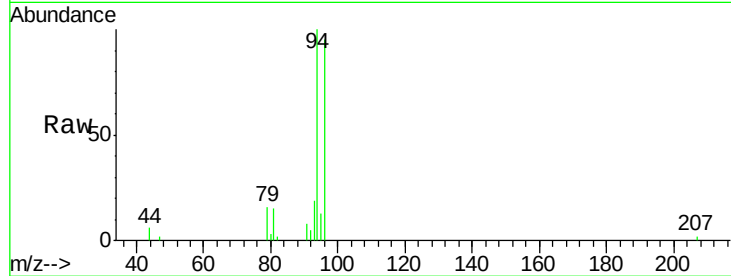
96 94.7 74.3 111.5

Manual Integrations

APPROVED

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4/21/2020 12:02:50 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

12000

10000

8000

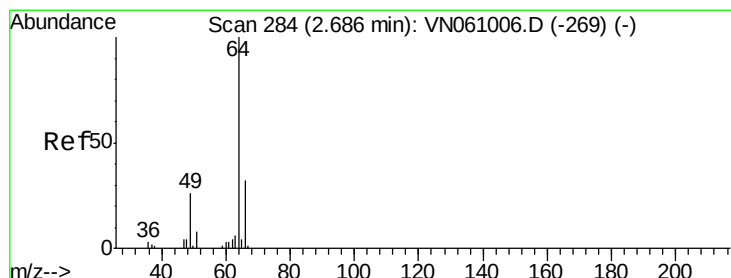
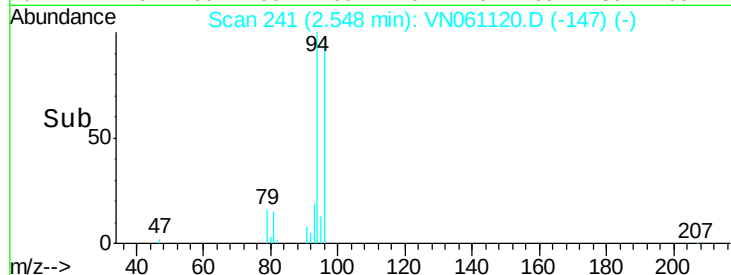
6000

4000

2000

0

Time--> 2.50 2.55 2.60



#6

Chloroethane

Concen: 19.539 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061120.D

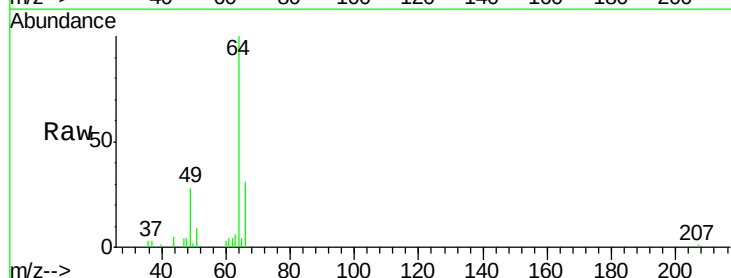
Acq: 20 Apr 2020 23:24

Tgt Ion: 64 Resp: 23972

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

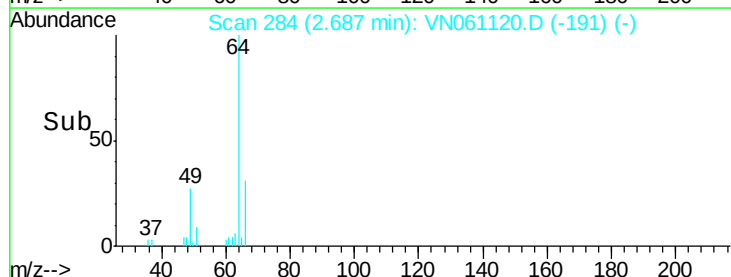
Ion 65.90 (65.60 to 66.60): VN0

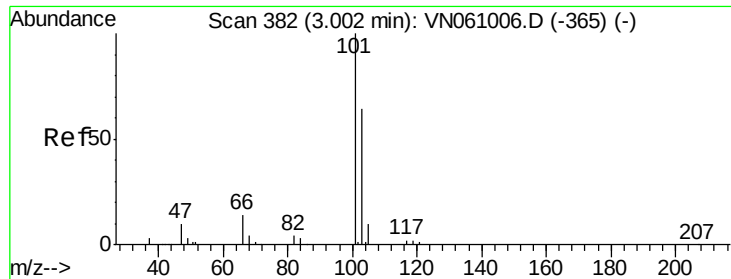
10000

5000

0

Time--> 2.60 2.65 2.70 2.75





#7

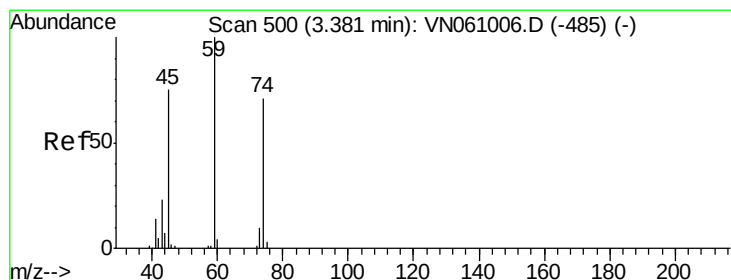
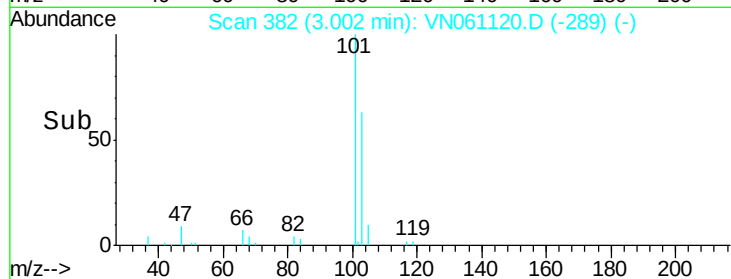
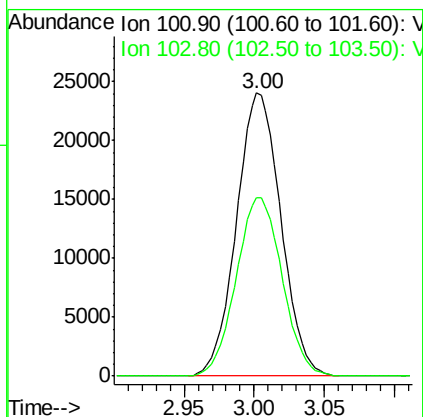
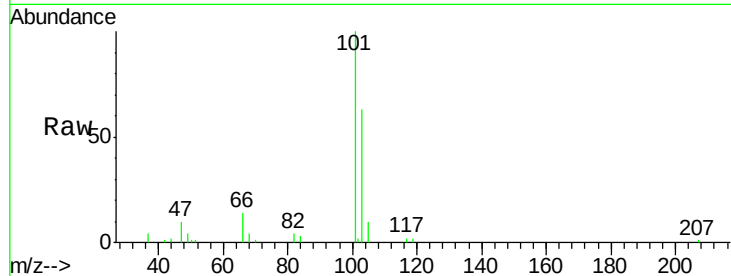
Trichlorofluoromethane
Concen: 19.991 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
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ClientSampled :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.4	77.2

Manual Integrations
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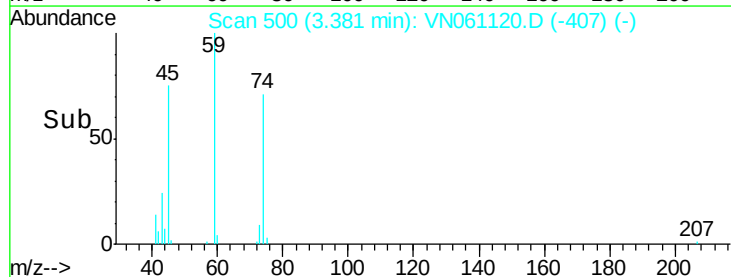
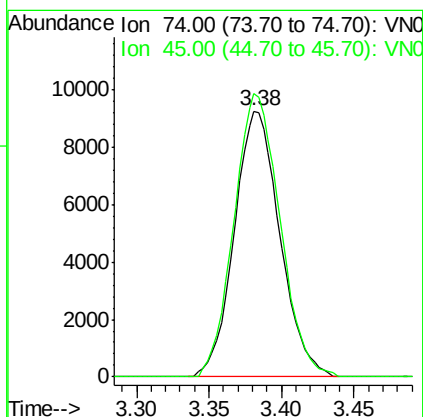
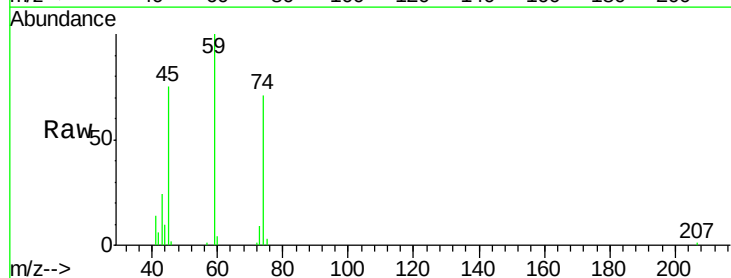
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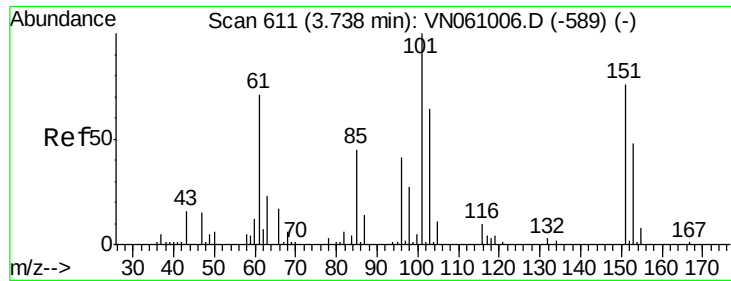


#8

Diethyl Ether
Concen: 19.224 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	52.9	158.8





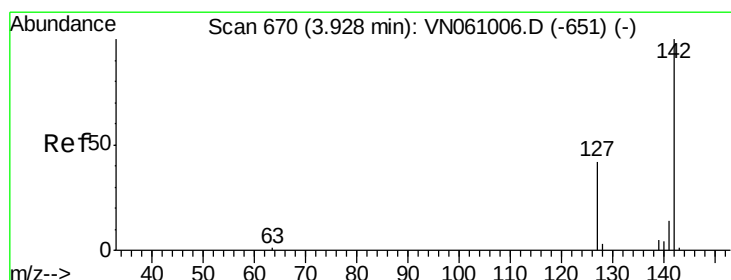
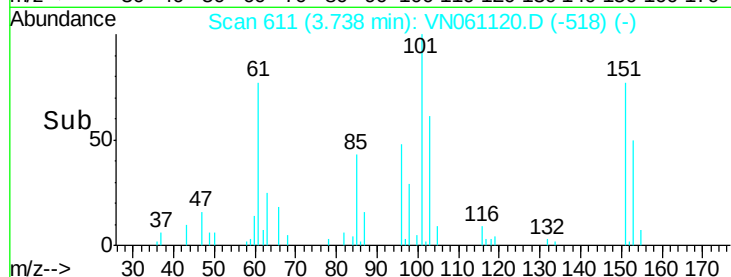
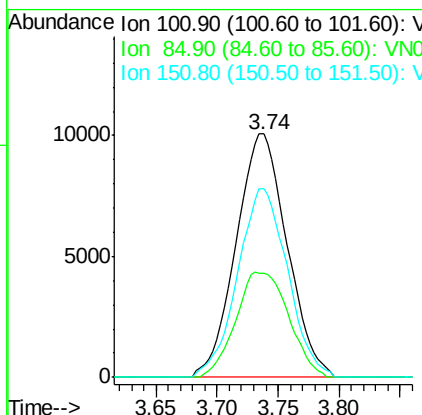
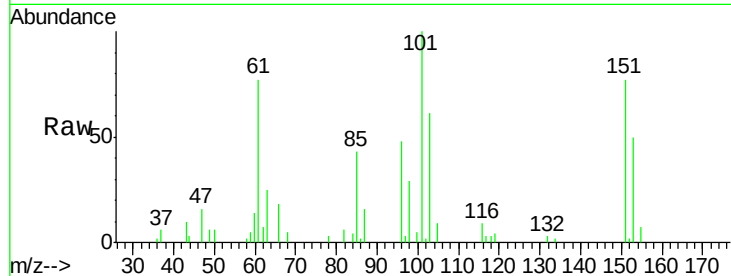
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.750 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN061120.D
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Instrument :
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 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	29129		
85	45.0		35.9	53.9
151	76.0		60.8	91.2

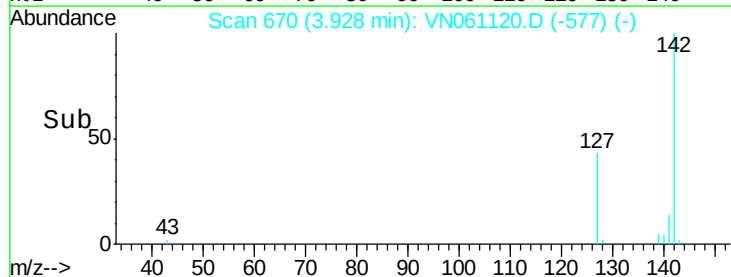
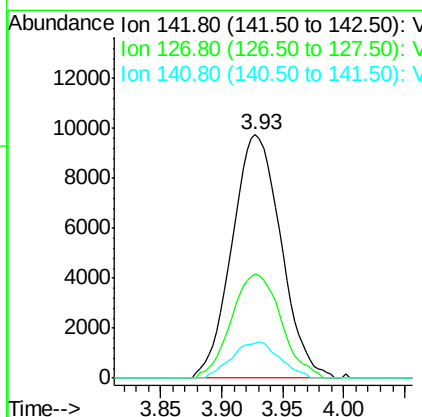
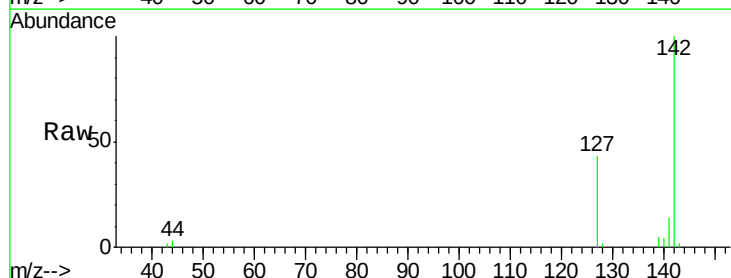
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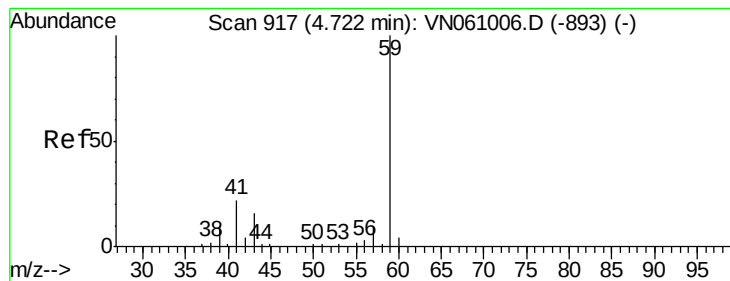
MMDadoda
 4/21/2020 12:02:50 PM



#10
 Methyl Iodide
 Concen: 19.819 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	27163		
127	43.2		33.4	50.2
141	14.5		11.0	16.6





#11

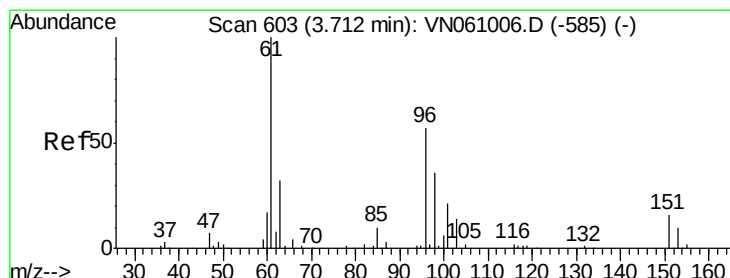
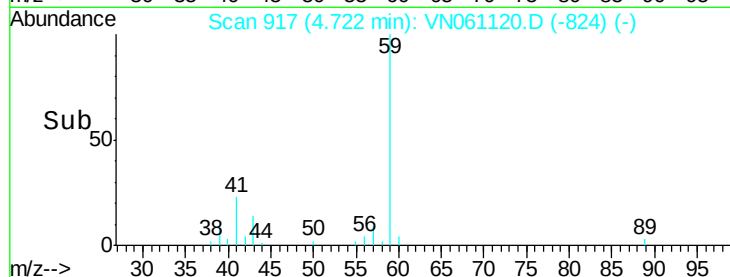
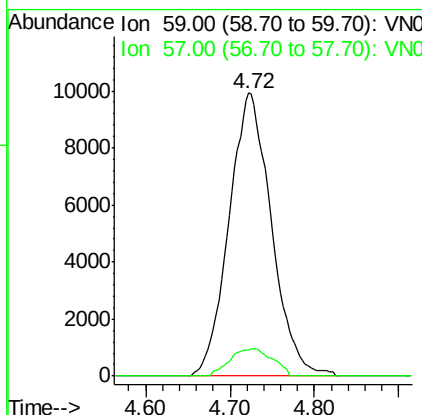
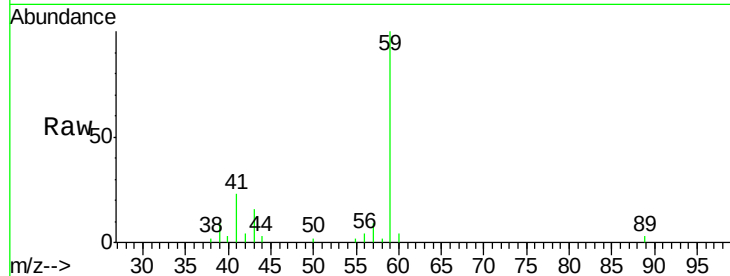
Tert butyl alcohol
 Concen: 105.883 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0420WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

Manual Integrations
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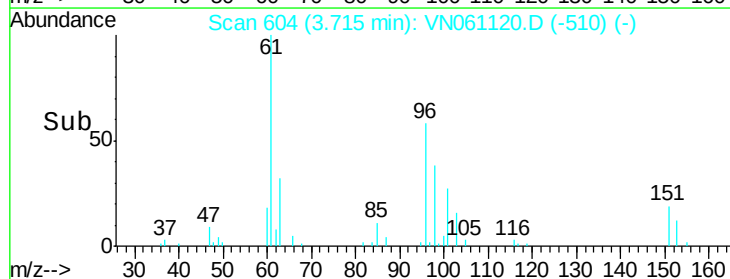
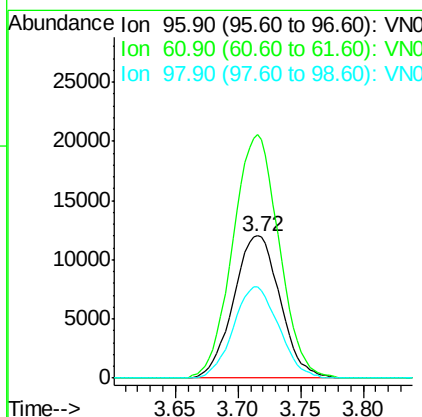
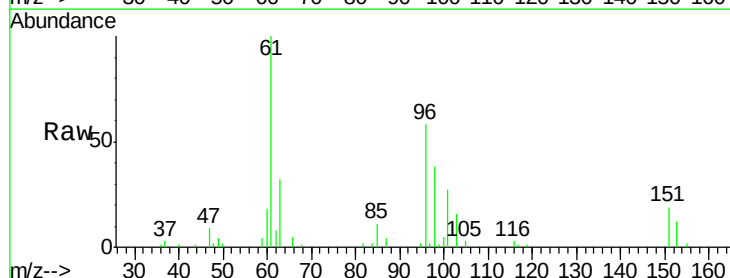
MMDadoda
 4/21/2020 12:02:50 PM

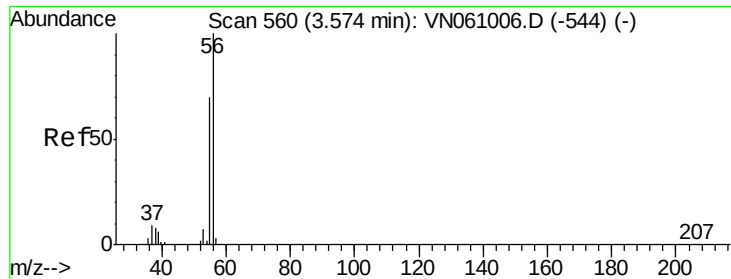


#12

1,1-Dichloroethene
 Concen: 19.608 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	139.2	208.8
98	64.5	50.0	75.0





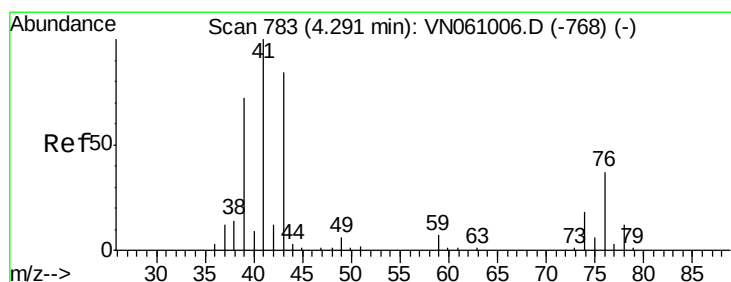
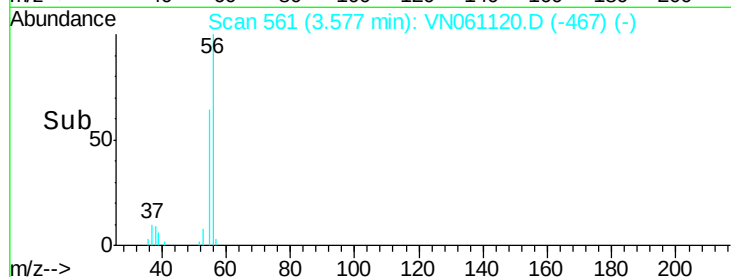
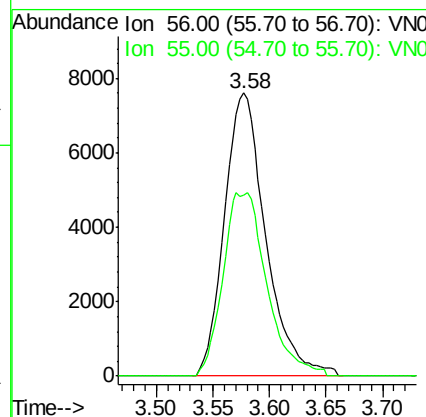
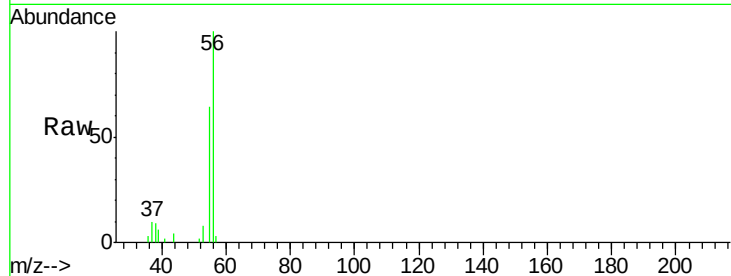
#13
Acrolein
Concen: 69.862 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	68.7	57.0	85.6

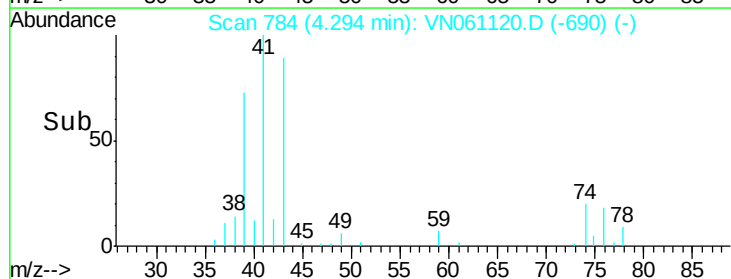
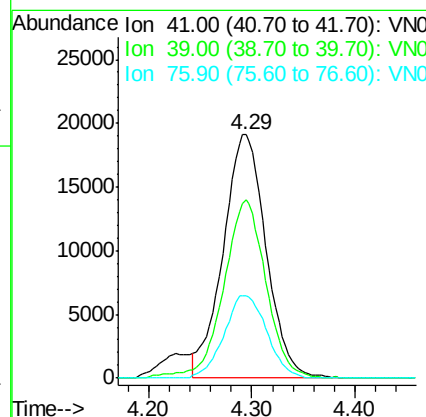
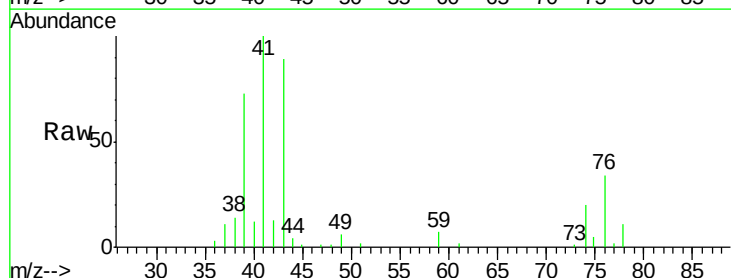
Manual Integrations
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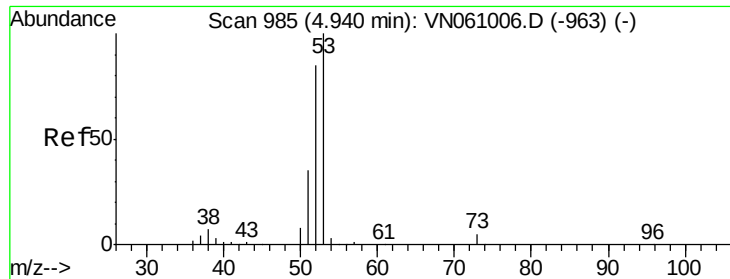
MMDadoda
4/21/2020 12:02:50 PM



#14
Allyl chloride
Concen: 18.569 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	71.9	56.3	84.5
76	76	33.6	27.7	41.5





#15

Acrylonitrile

Concen: 103.355 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

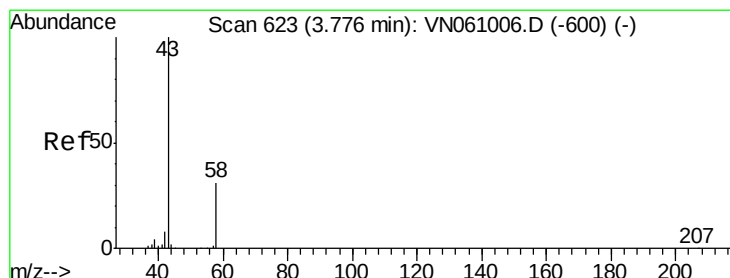
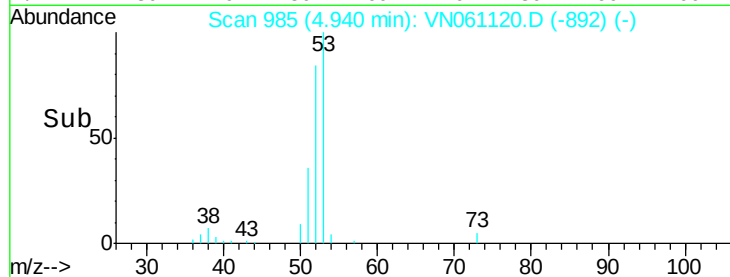
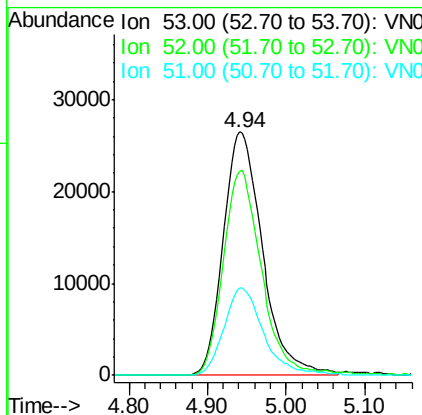
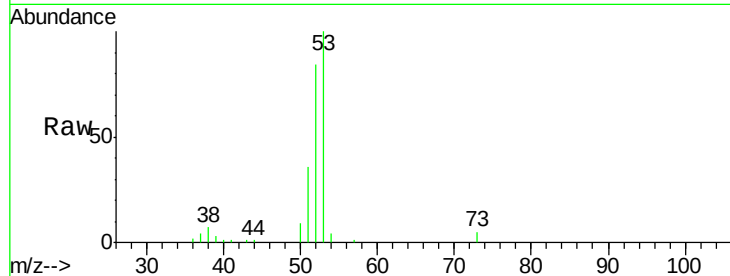
ClientSampleId :

VN0420WBS02

Tot Ion:	53	Resp:	91799
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.8	100.2
51	36.1	28.9	43.3

Manual Integrations
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4/21/2020 12:02:50 PM



#16

Acetone

Concen: 94.162 ug/l

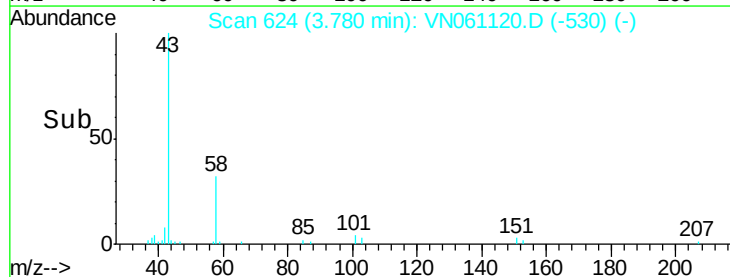
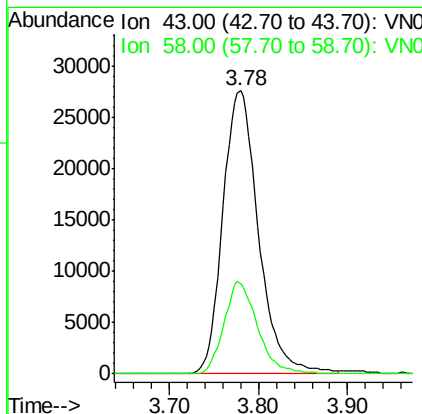
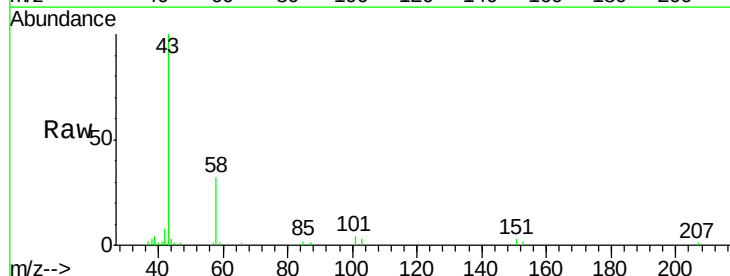
RT: 3.78 min Scan# 624

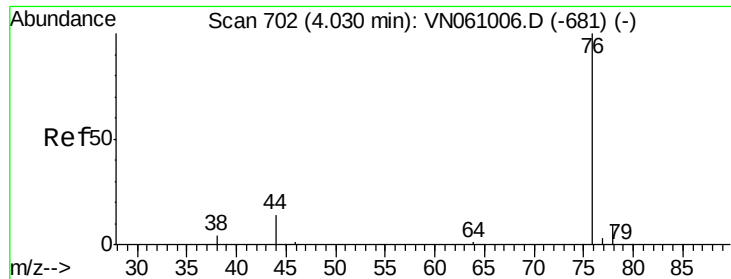
Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Tgt Ion:	43	Resp:	76520
Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.6	37.0





#17

Carbon Disulfide

Concen: 18.493 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Tot Ion: 76 Resp: 91380

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

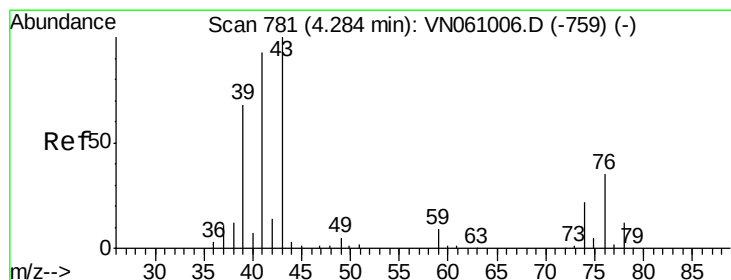
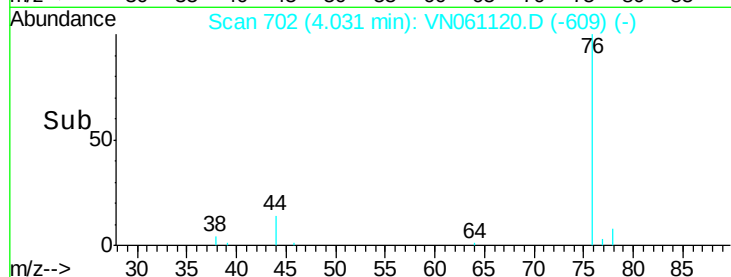
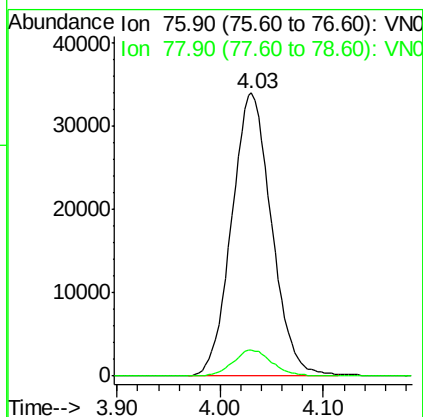
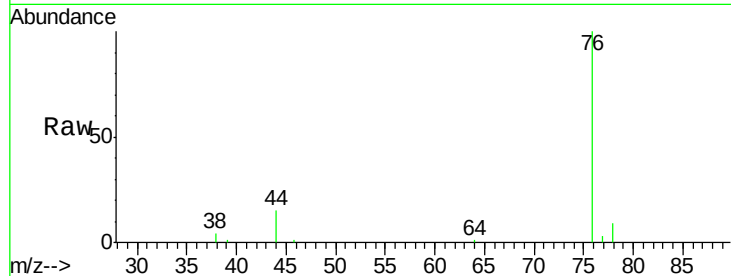
VN0420WBS02

Manual Integrations

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#18

Methyl Acetate

Concen: 21.368 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN061120.D

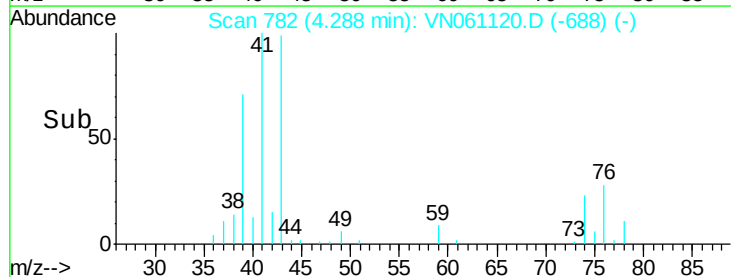
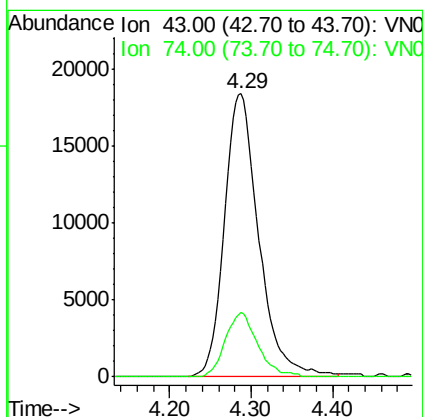
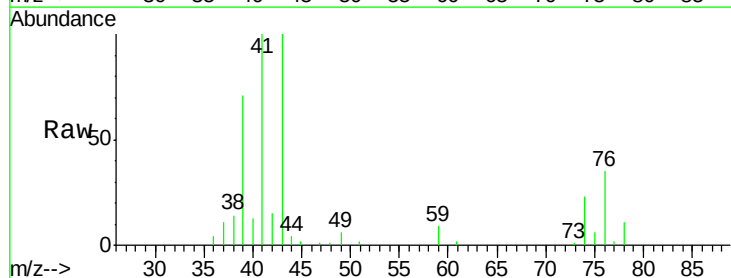
Acq: 20 Apr 2020 23:24

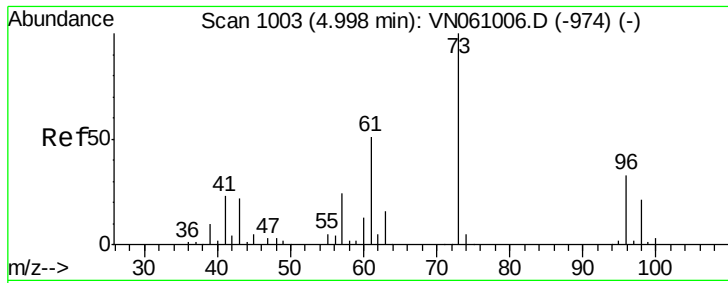
Tgt Ion: 43 Resp: 54450

Ion Ratio Lower Upper

43 100

74 21.0 17.4 26.0





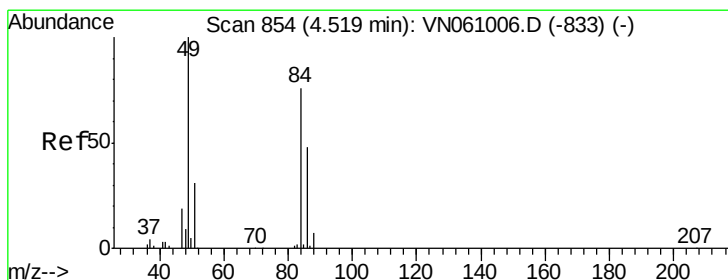
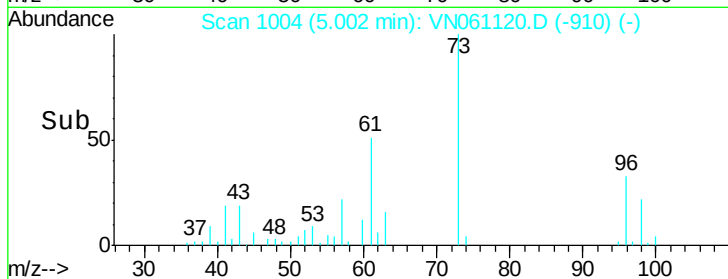
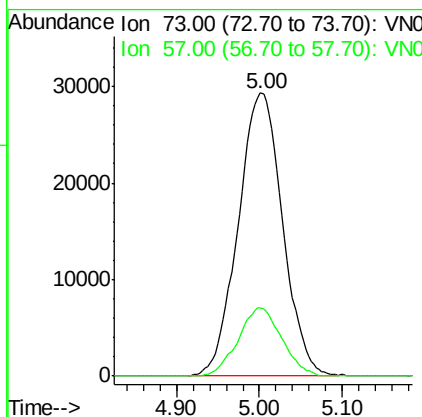
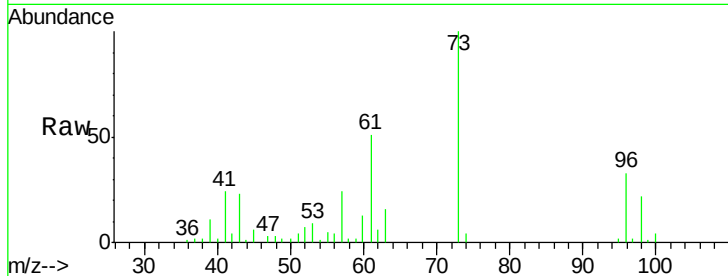
#19
Methyl tert-butyl Ether
Concen: 19.795 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.0	28.4

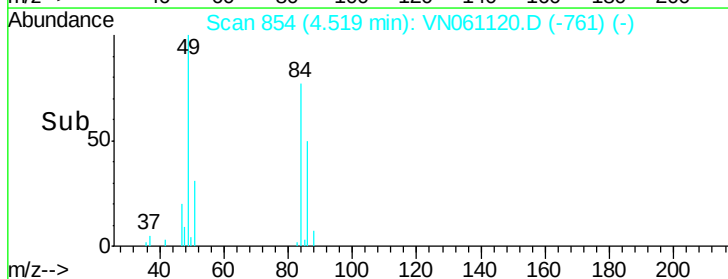
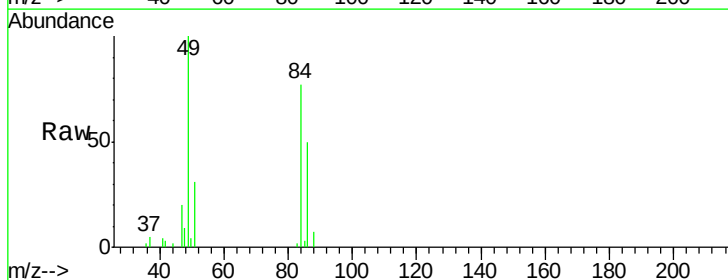
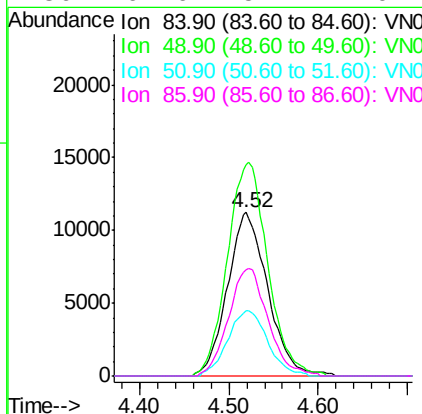
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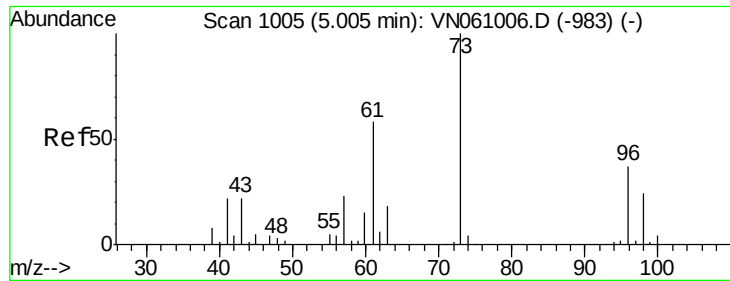
MMDadoda
4/21/2020 12:02:50 PM



#20
Methylene Chloride
Concen: 19.824 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.3	105.8	158.6
51	39.7	32.4	48.6
86	64.6	51.1	76.7





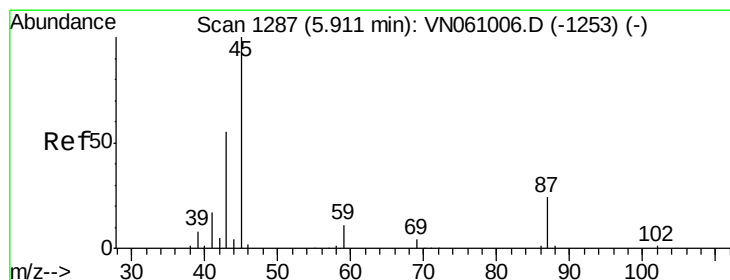
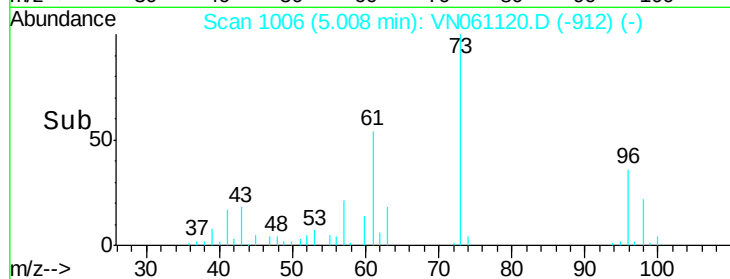
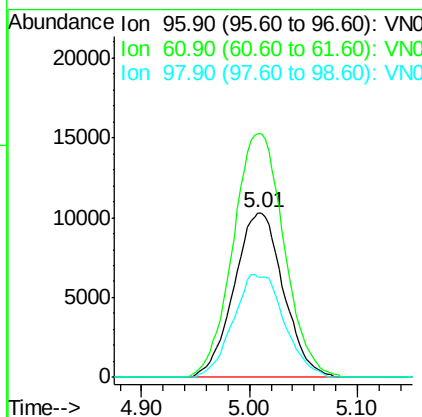
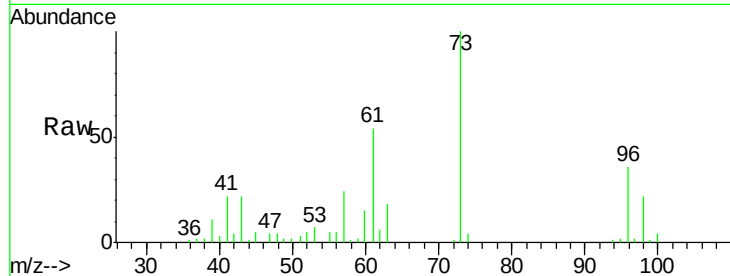
#21
trans-1,2-Dichloroethene
Concen: 19.400 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	124.8	187.2
98	61.4	51.3	76.9

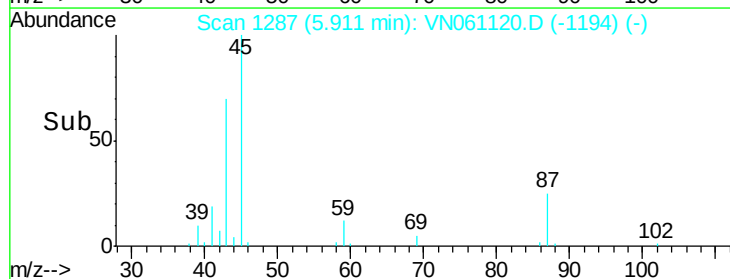
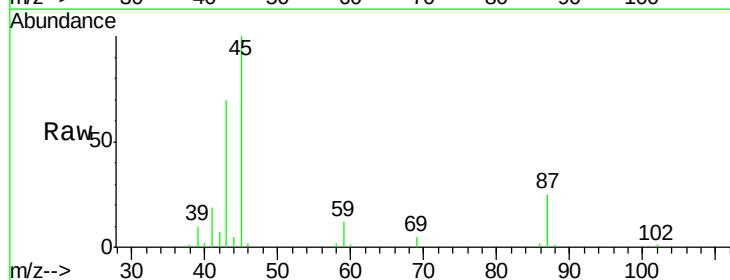
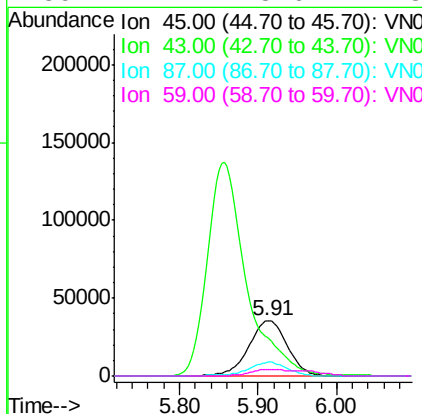
Manual Integrations
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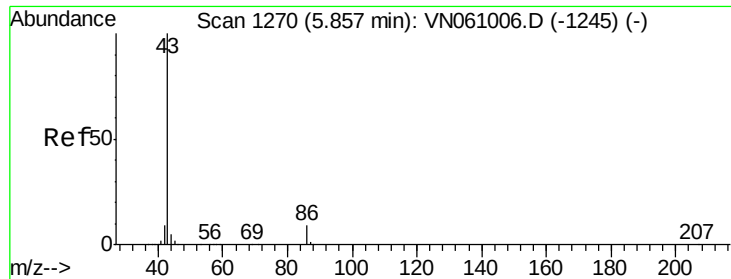
MMDadoda
4/21/2020 12:02:50 PM



#22
Diisopropyl ether
Concen: 19.810 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	48.6	72.8
87	25.2	19.4	29.2
59	11.7	8.6	12.8





#23

Vinyl Acetate

Concen: 96.952 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS02

Tot Ion: 43 Resp: 471784

Ion Ratio Lower Upper

43 100

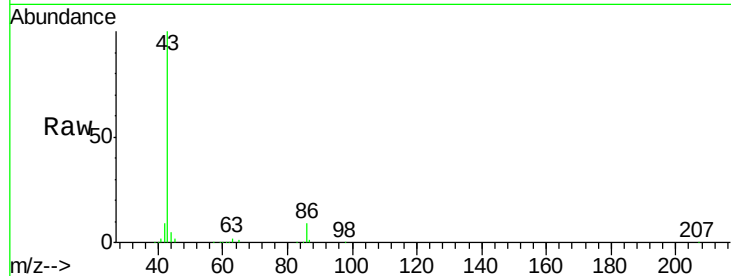
86 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

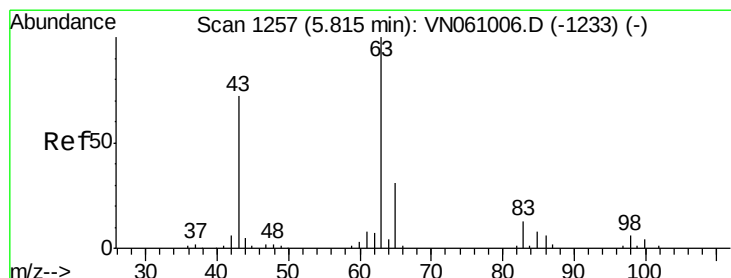
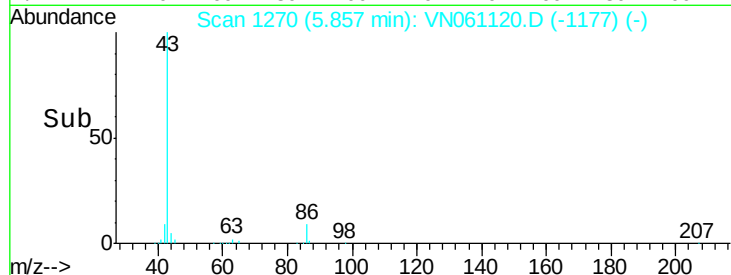
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.660 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

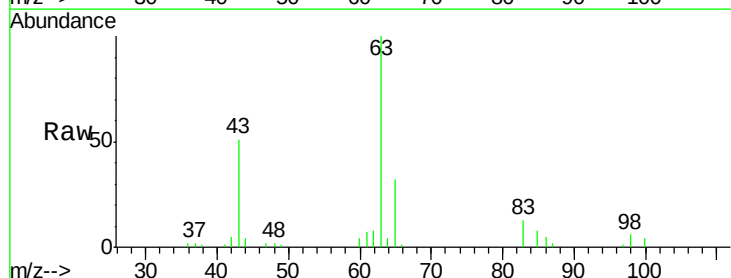
Tgt Ion: 63 Resp: 65891

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

25000

20000

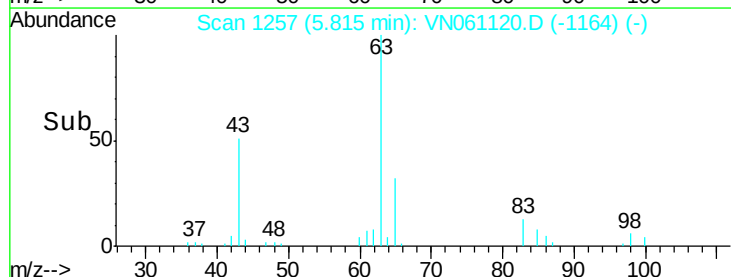
15000

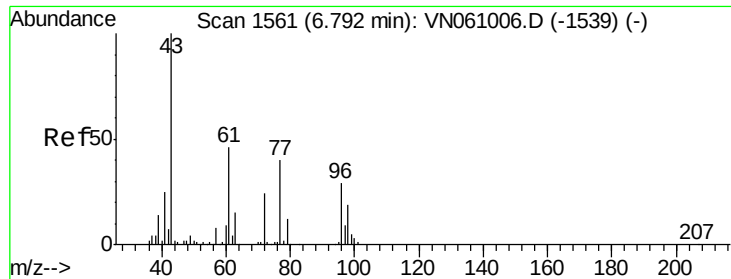
10000

5000

0

Time-->





#25

2-Butanone

Concen: 100.218 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS02

Tot Ion: 43 Resp: 124798

Ion Ratio Lower Upper

43 100

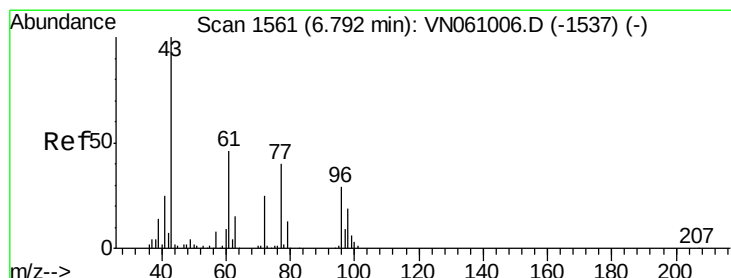
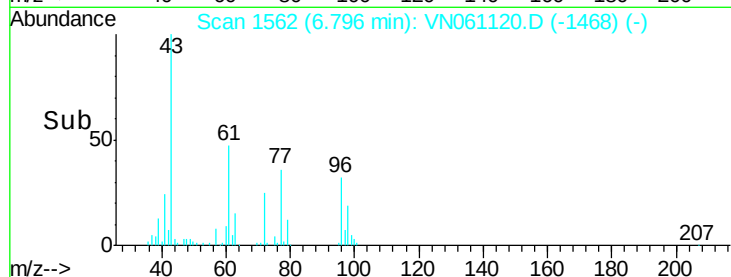
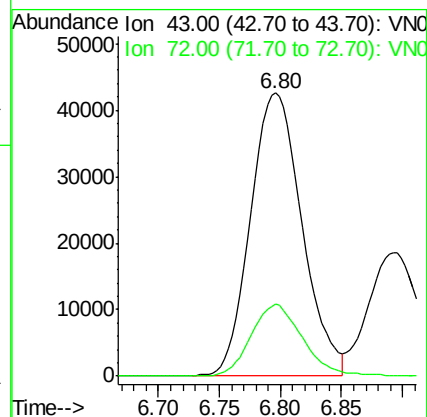
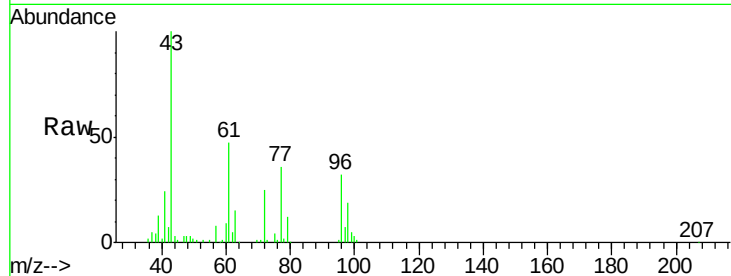
72 25.4 19.6 29.4

Manual Integrations

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MMDadoda

4/21/2020 12:02:50 PM



#26

2,2-Dichloropropane

Concen: 17.596 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061120.D

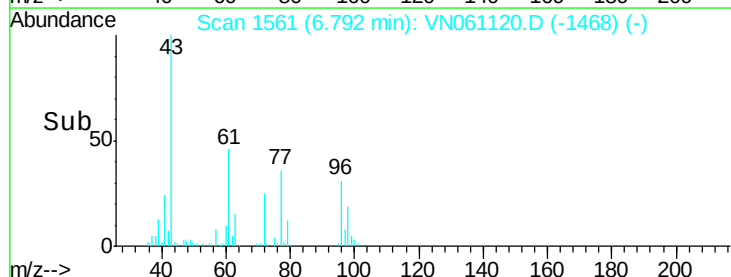
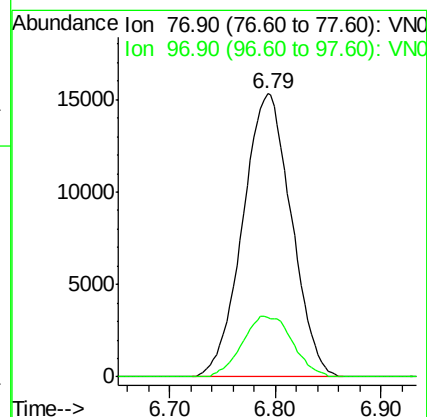
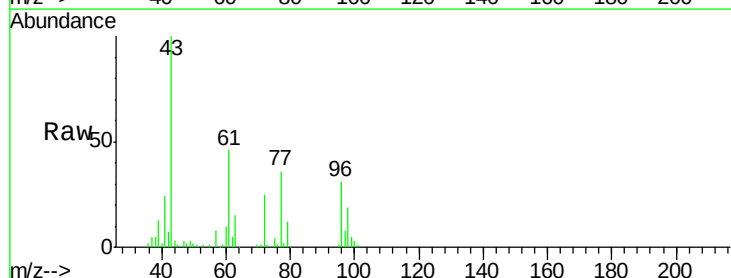
Acq: 20 Apr 2020 23:24

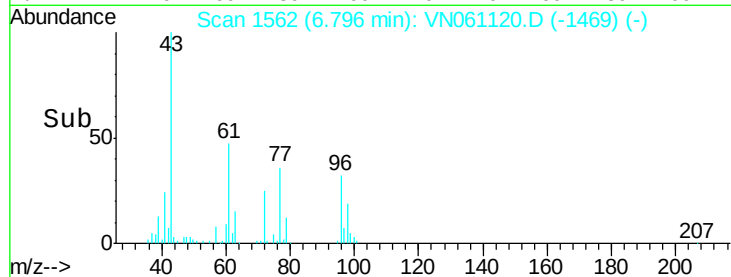
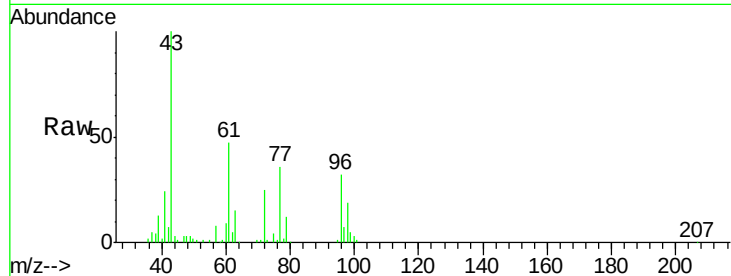
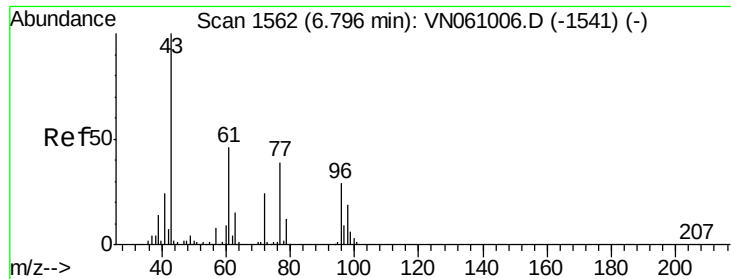
Tgt Ion: 77 Resp: 49102

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





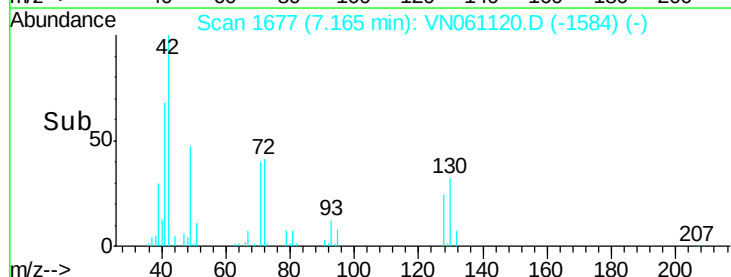
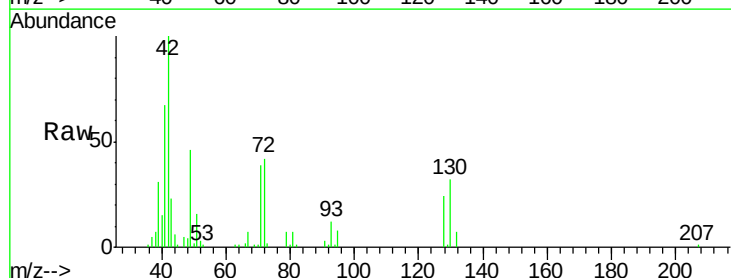
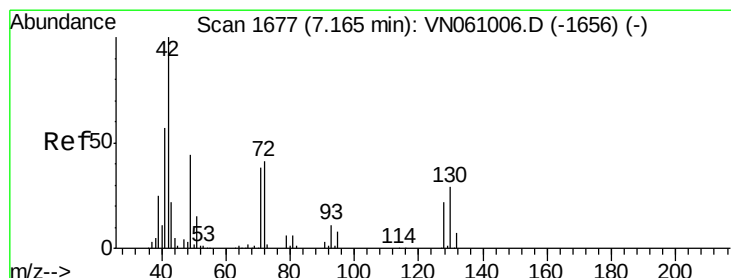
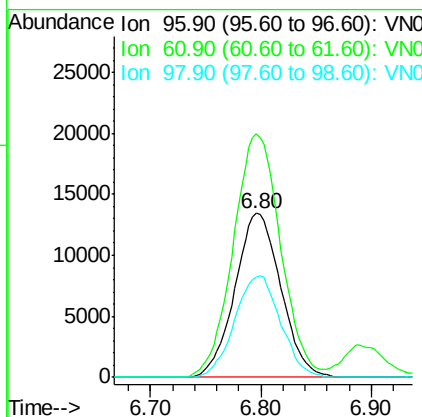
#27
 cis-1,2-Dichloroethene
 Concen: 19.980 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tot Ion	Ratio	Resp	Lower	Upper
96	100	38743		
61	153.3		0.0	317.4
98	61.7		0.0	127.8

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

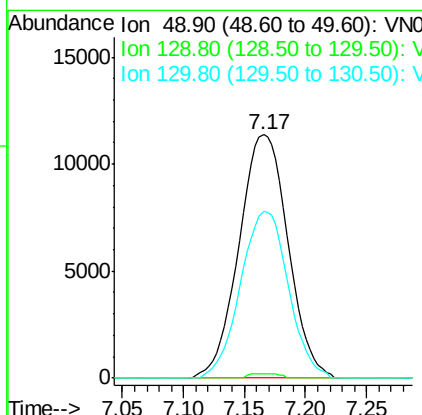
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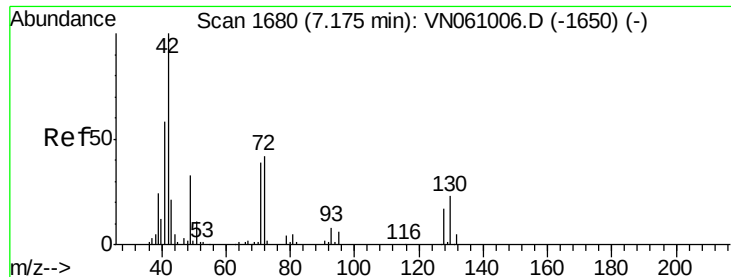
MMDadoda
 4/21/2020 12:02:50 PM



#28
 Bromochloromethane
 Concen: 20.562 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31633		
129	0.5		0.0	3.0
130	67.0		52.9	79.3





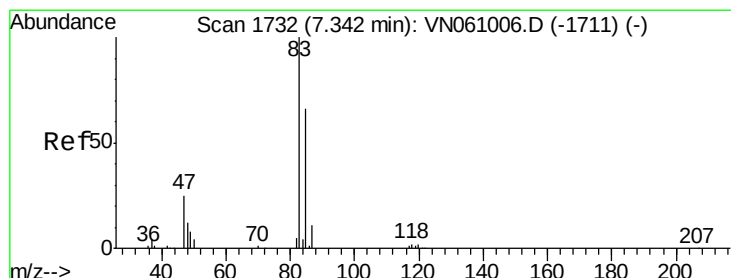
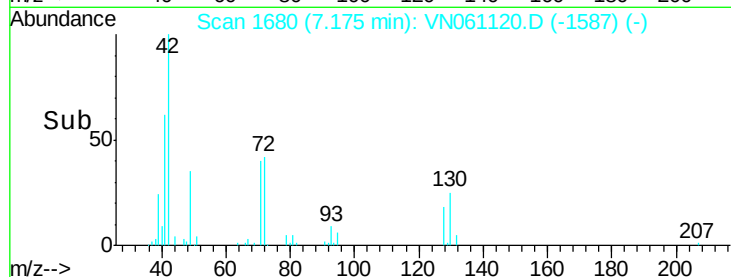
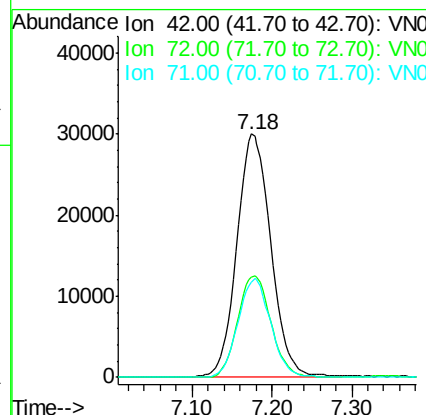
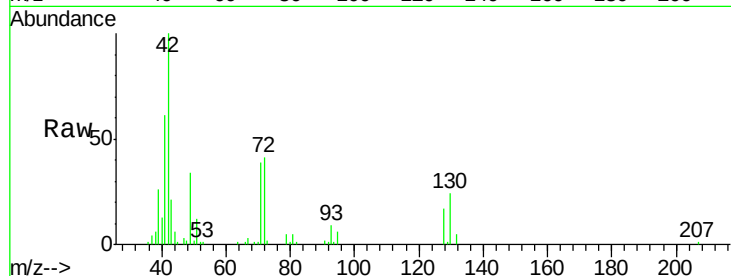
#29
Tetrahydrofuran
Concen: 102.404 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.1	48.1
71	38.8	30.5	45.7

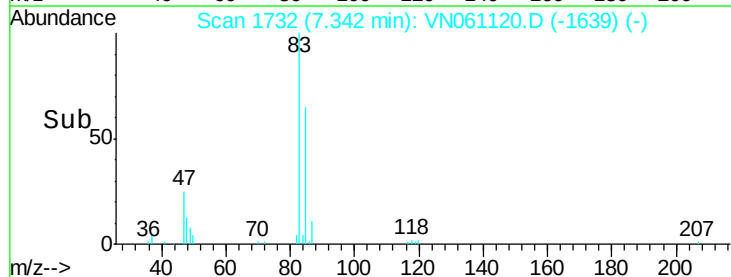
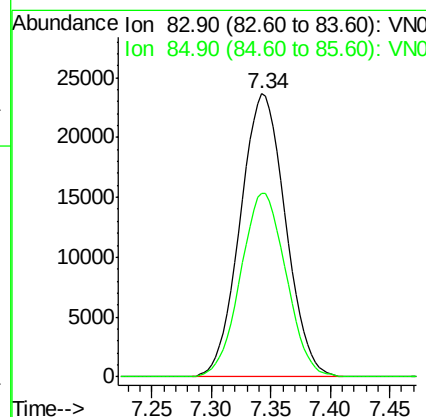
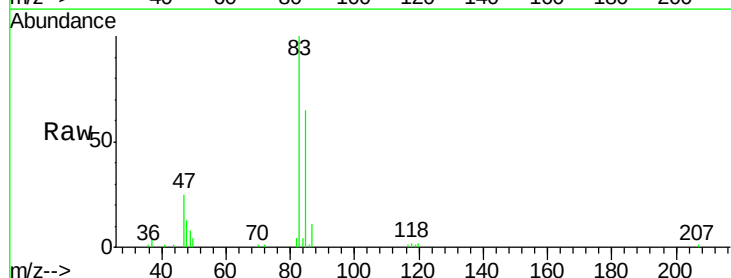
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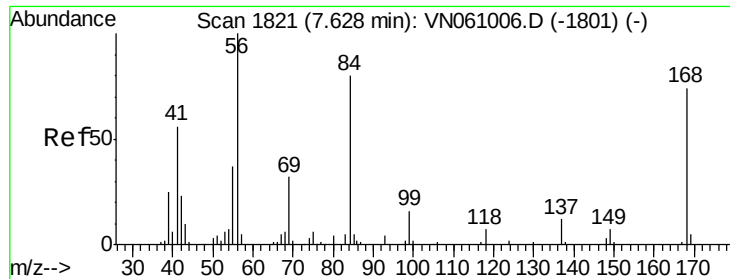
MMDadoda
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#30
Chloroform
Concen: 19.980 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2





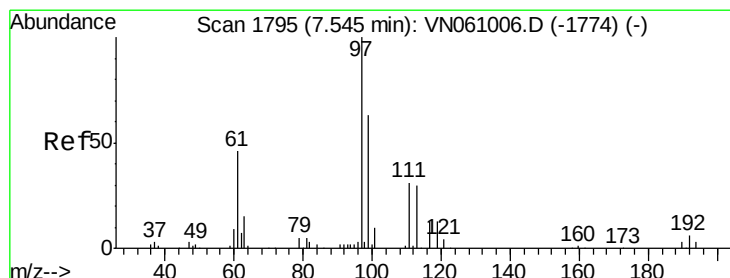
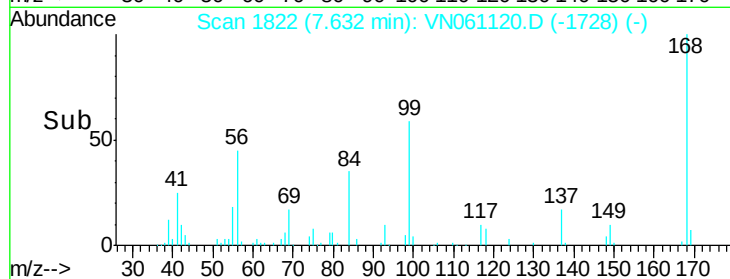
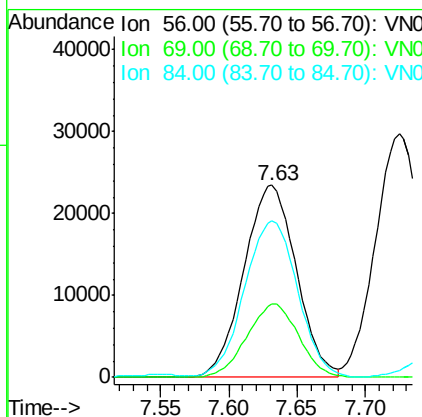
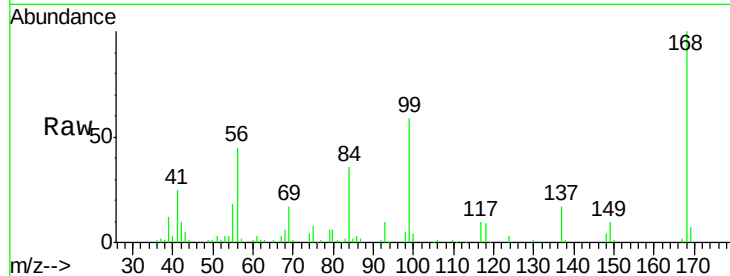
#31
Cyclohexane
Concen: 18.238 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	25.6	38.4
84	80.6	63.4	95.2

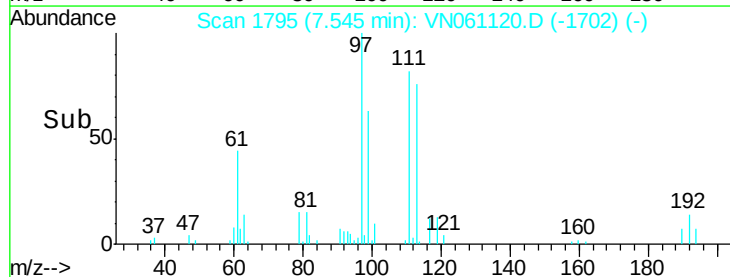
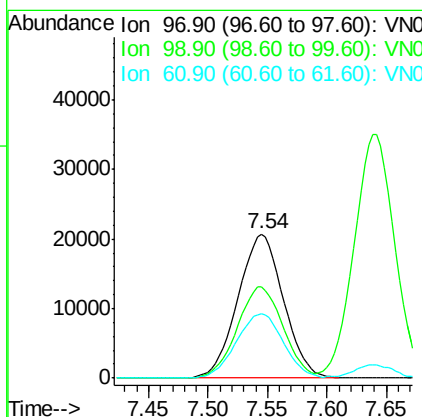
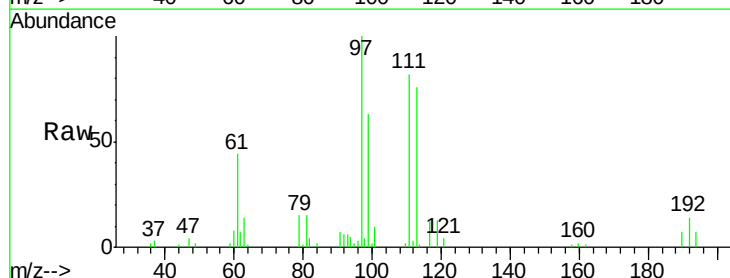
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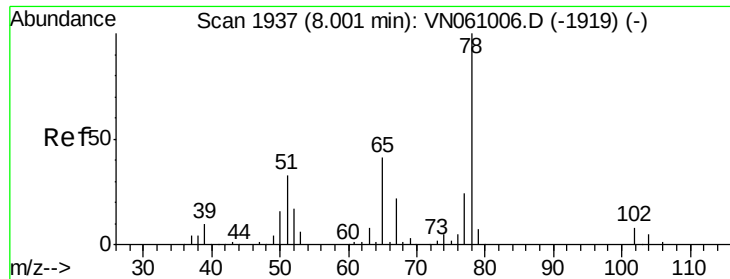
MMDadoda
4/21/2020 12:02:50 PM



#32
1,1,1-Trichloroethane
Concen: 20.259 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	46.2	37.0	55.6





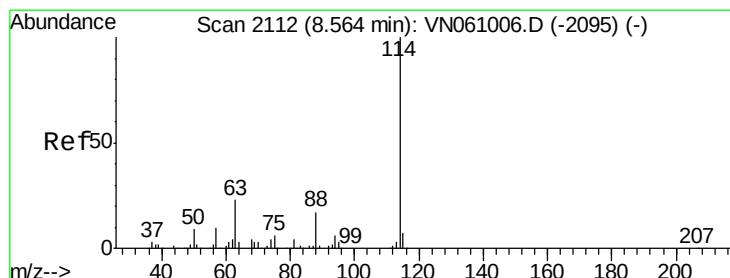
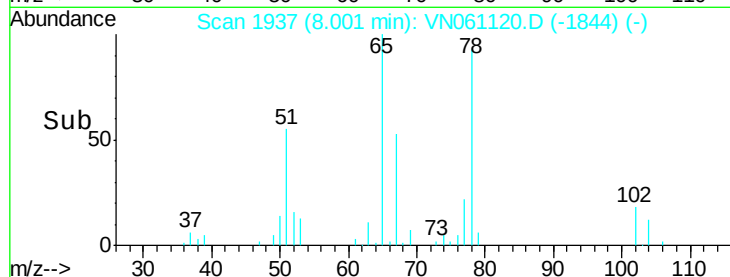
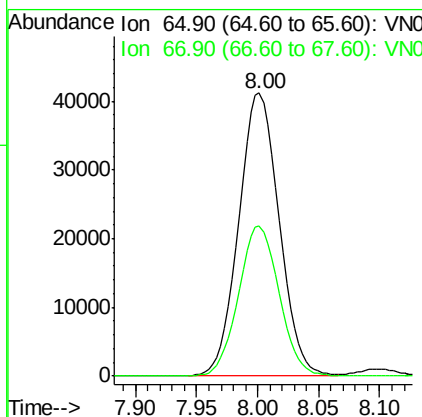
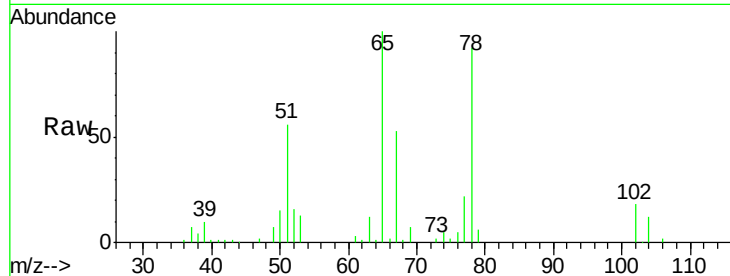
#33
 1,2-Dichloroethane-d4
 Concen: 51.231 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	107.0	

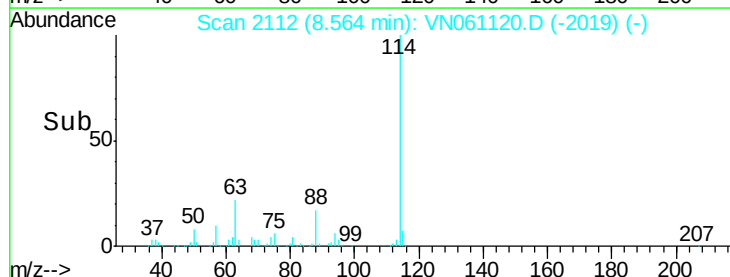
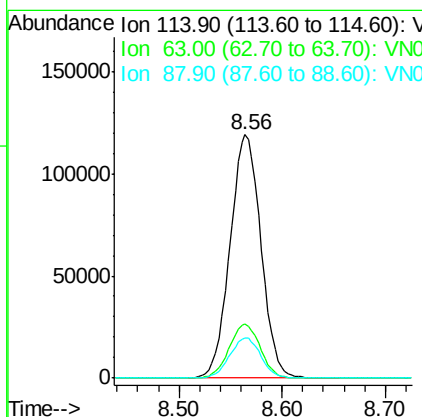
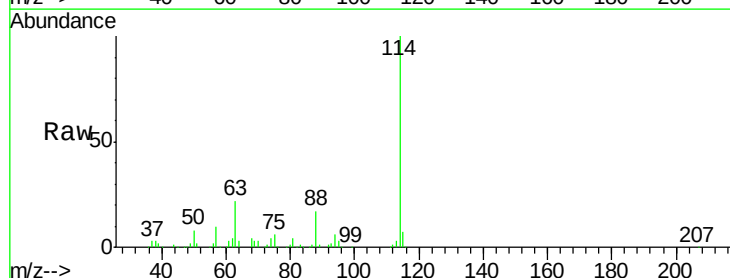
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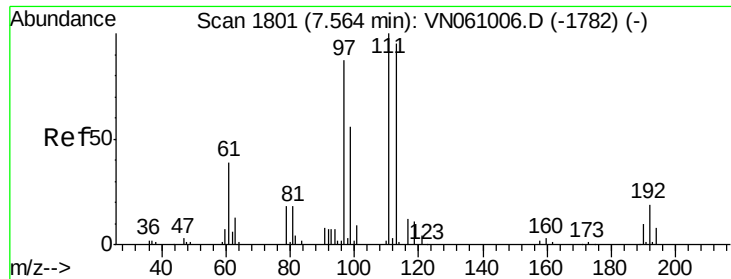
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 4/21/2020 12:02:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	46.2	
88	16.7	0.0	33.4	





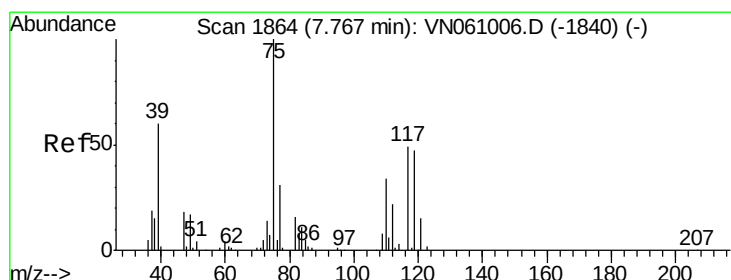
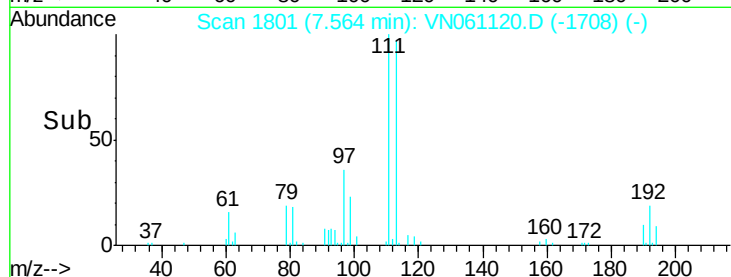
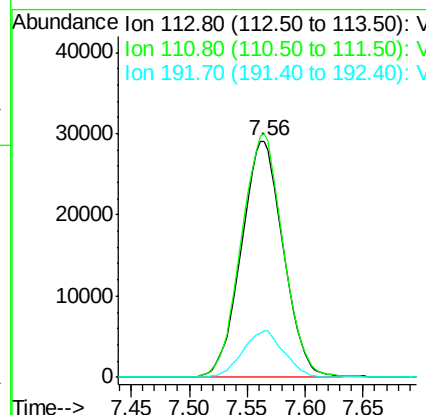
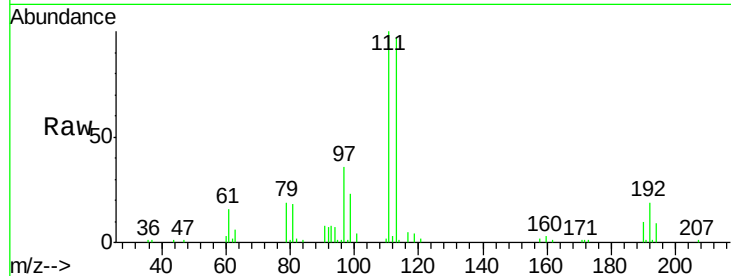
#35
 Dibromofluoromethane
 Concen: 50.382 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.2
192	19.3	15.5	23.3

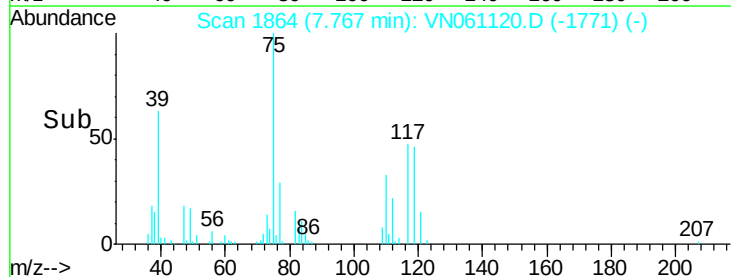
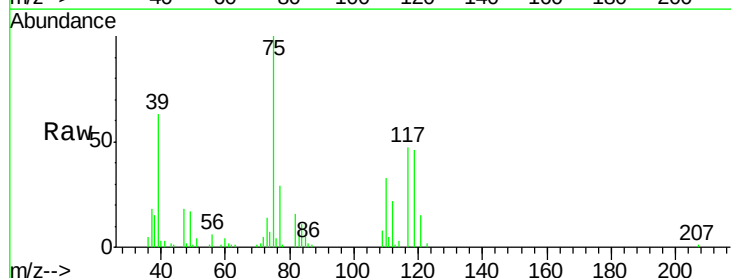
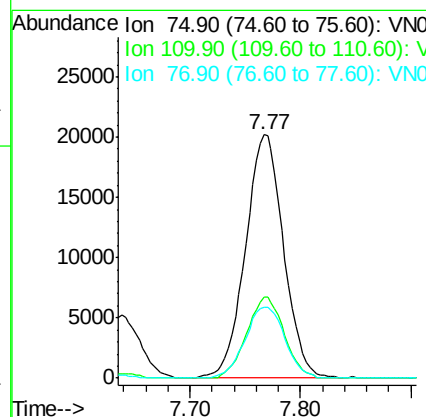
Manual Integrations
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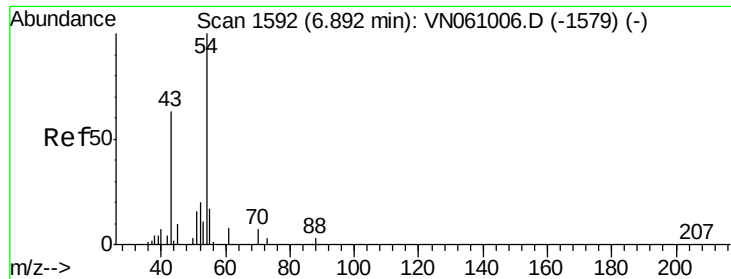
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 4/21/2020 12:02:50 PM



#36
 1,1-Dichloropropene
 Concen: 18.823 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.8	50.3
77	30.6	24.7	37.1





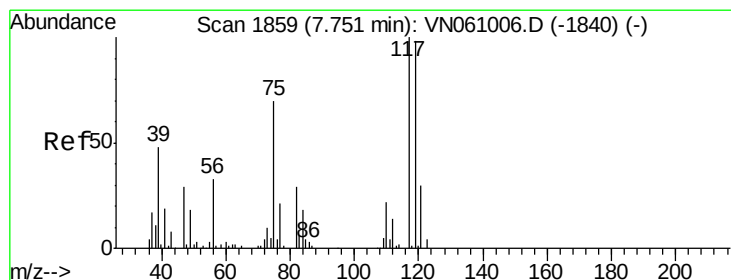
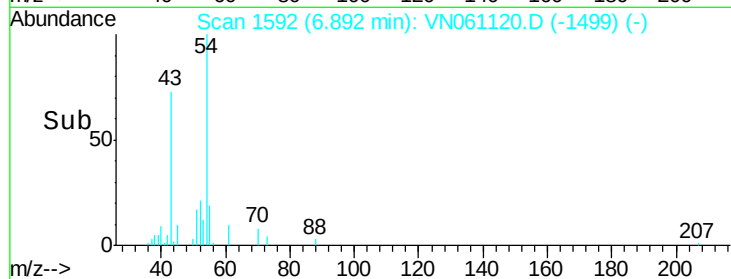
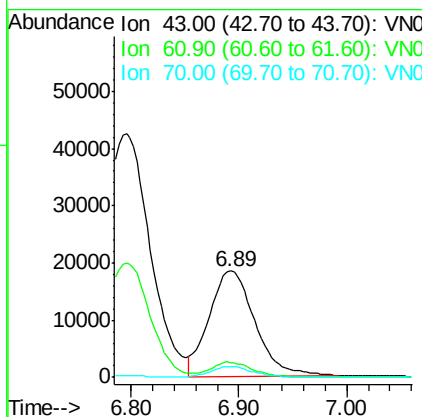
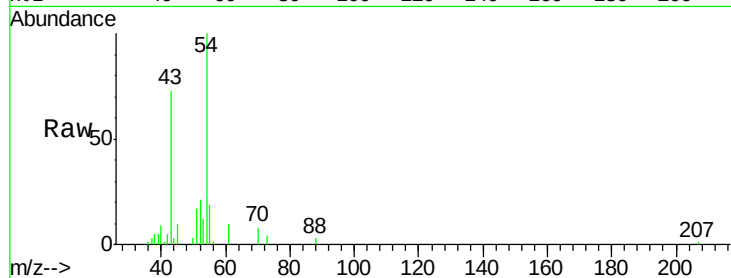
#37
Ethyl Acetate
Concen: 19.481 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS02

Tot Ion	43	61	70
Resp	54268	13.3	9.3
Lower		10.9	7.7
Upper		16.3	11.5

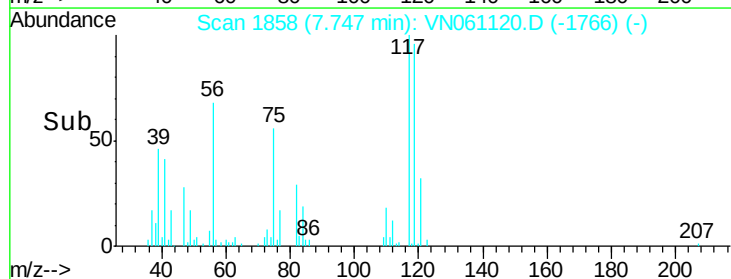
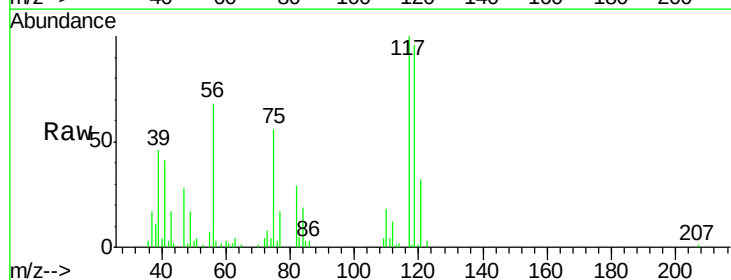
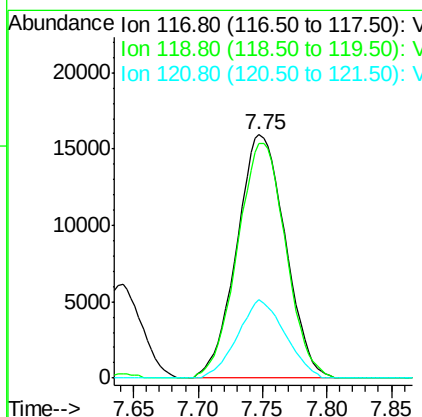
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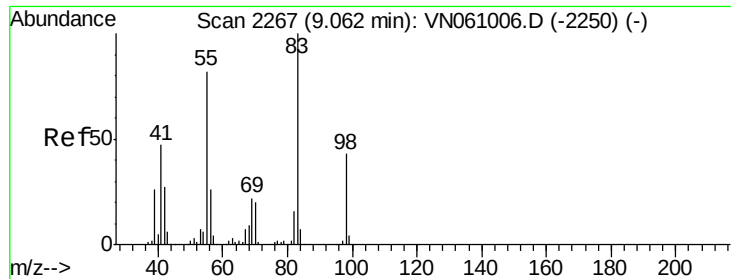
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#38
Carbon Tetrachloride
Concen: 19.539 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	117	119	121
Resp	41724	96.3	32.0
Lower		78.1	24.0
Upper		117.1	36.0





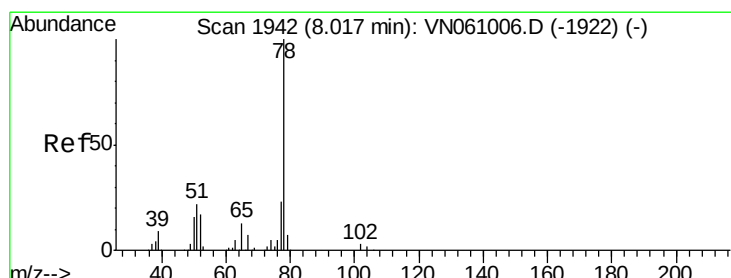
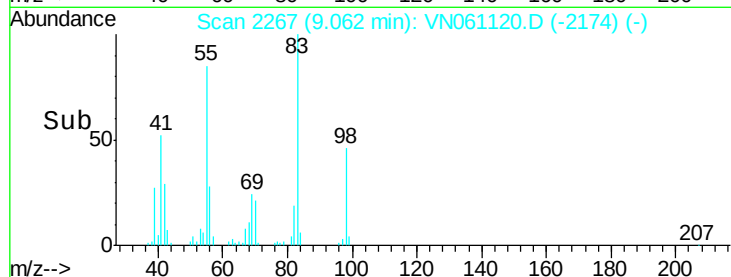
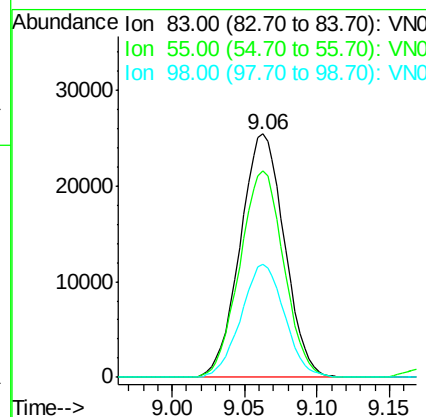
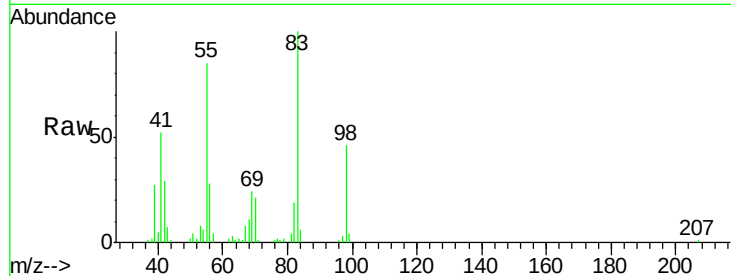
#39
Methylvlcyclohexane
Concen: 17.594 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	65.4	98.0
98	46.4	34.6	51.8

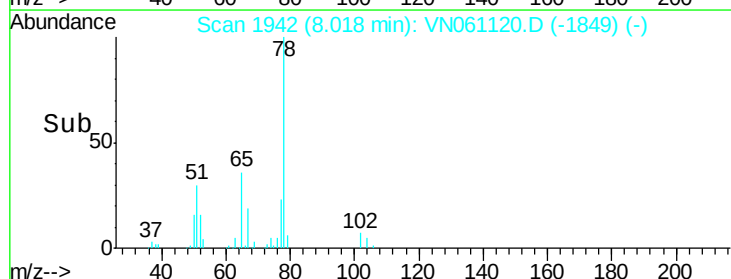
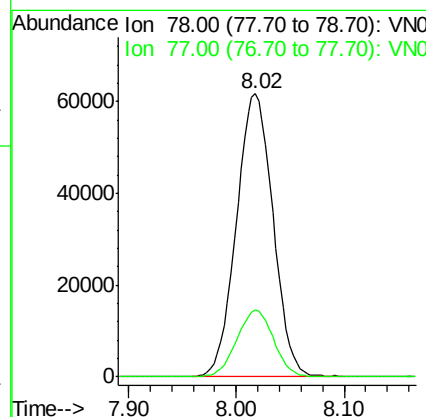
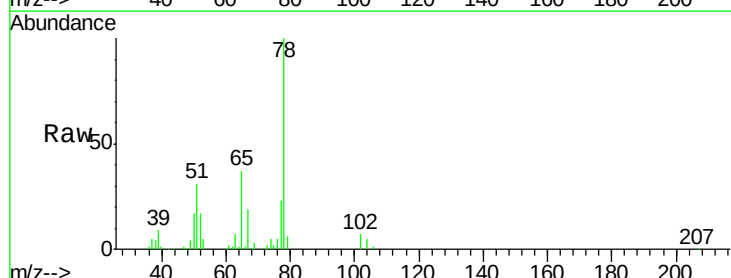
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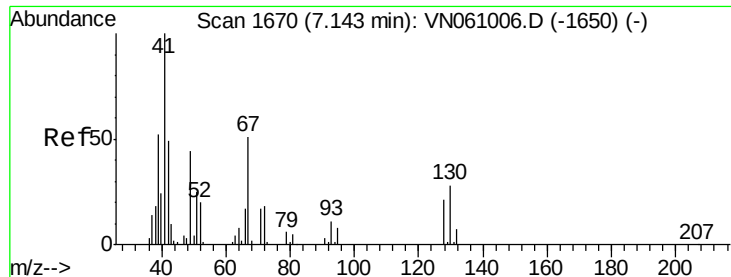
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#40
Benzene
Concen: 19.159 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





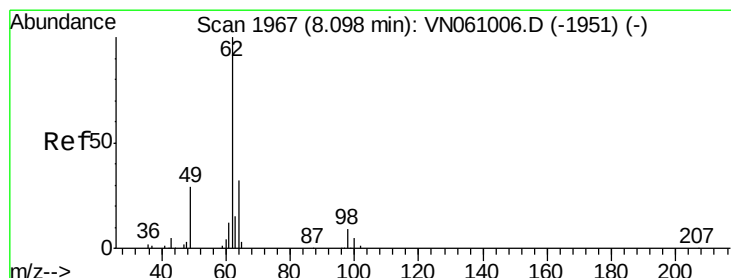
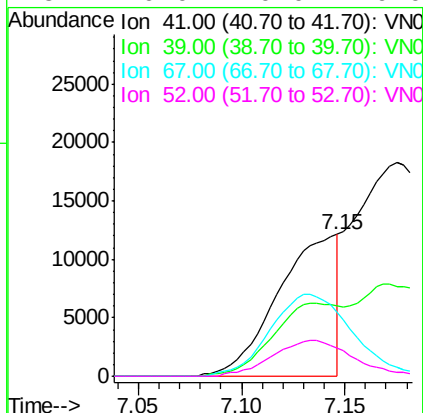
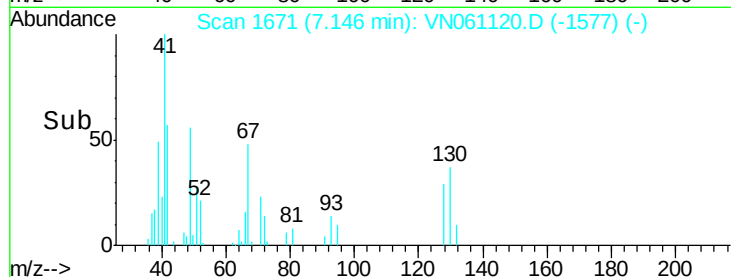
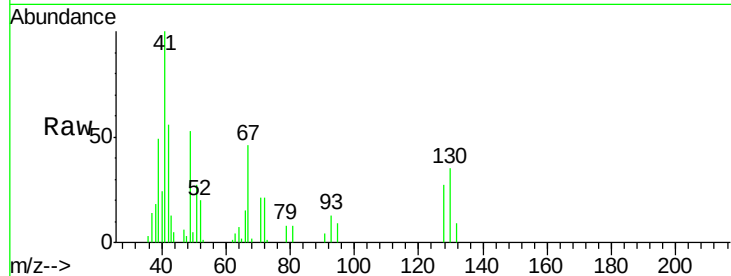
#41
Methacrylonitrile
Concen: 20.900 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	41.00	Resp	24284
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

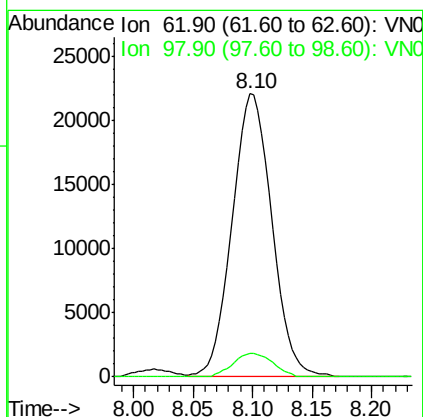
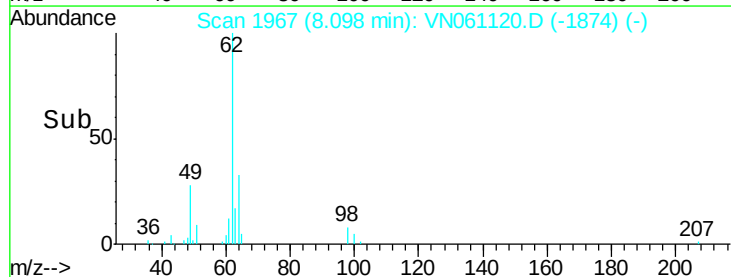
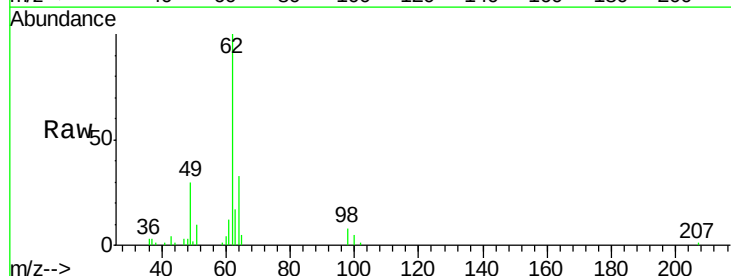
Manual Integrations
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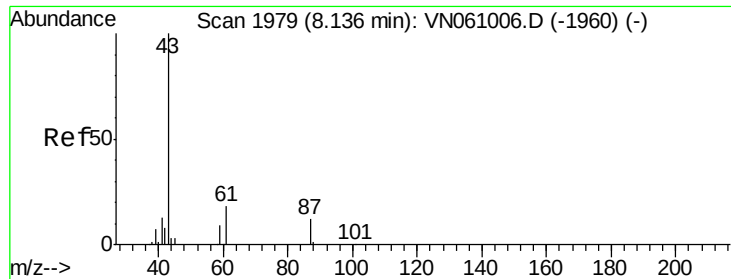
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#42
1,2-Dichloroethane
Concen: 19.720 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	62	Resp	51130
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.462 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

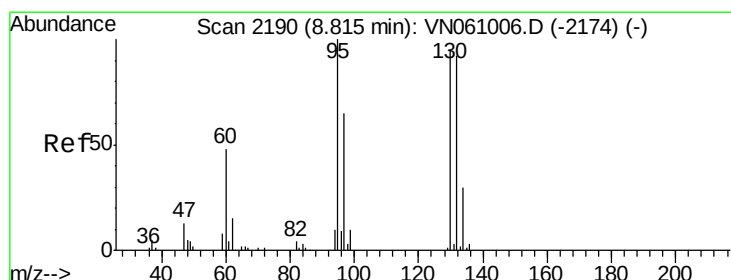
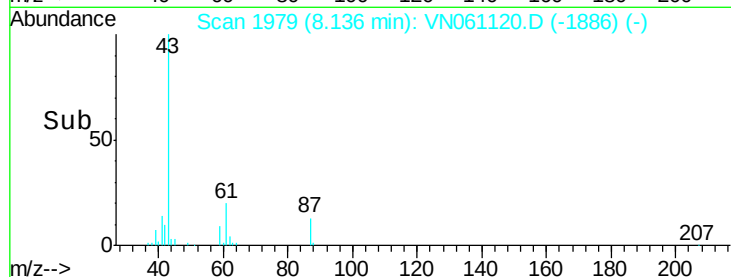
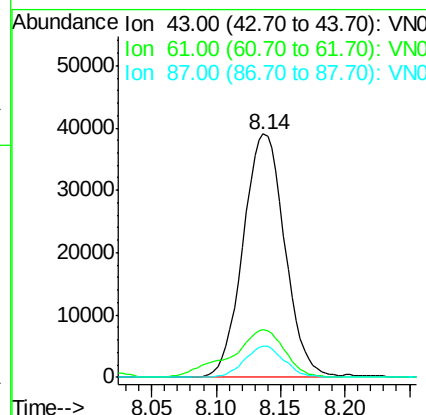
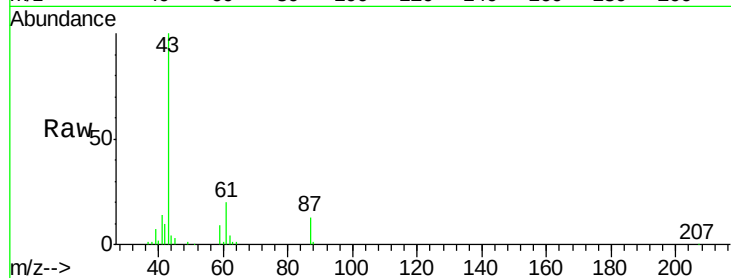
ClientSampleId :

VN0420WBS02

Tot Ion:	43	Resp:	88177
Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.3	30.5
87	12.0	9.4	14.2

Manual Integrations
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4/21/2020 12:02:50 PM



#44

Trichloroethene

Concen: 18.916 ug/l

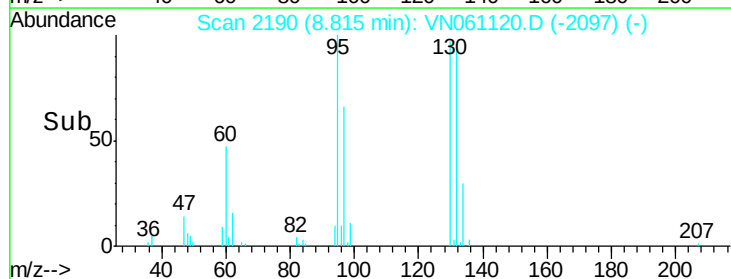
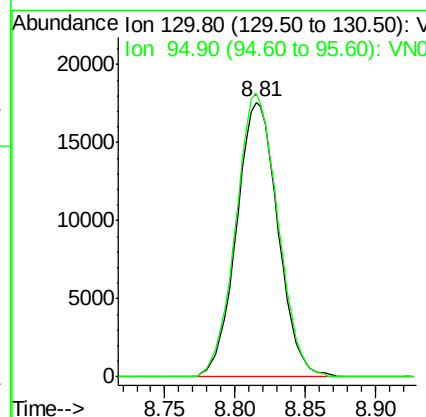
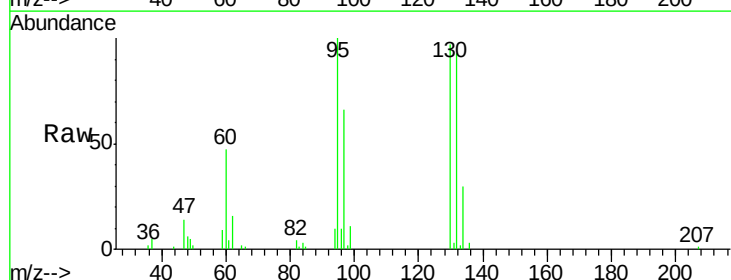
RT: 8.81 min Scan# 2190

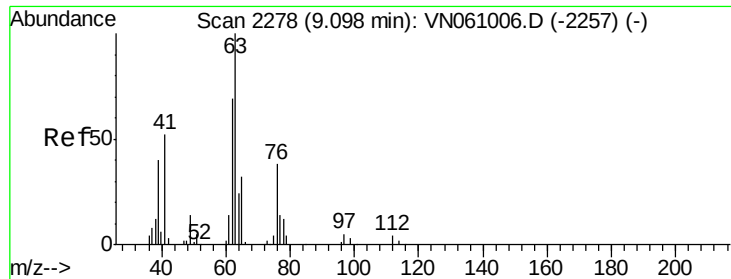
Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Tgt Ion:	130	Resp:	36176
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	210.0





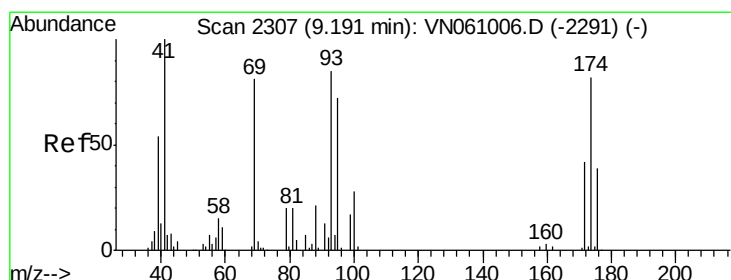
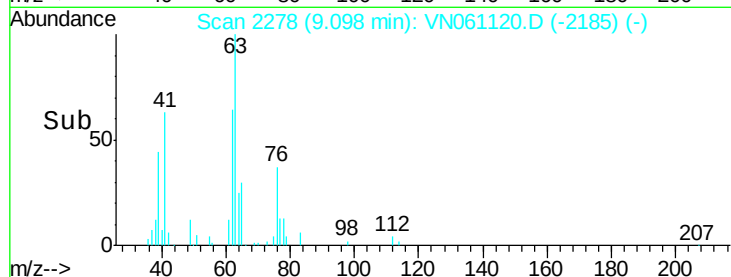
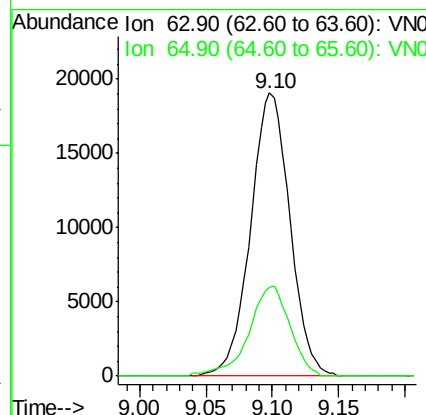
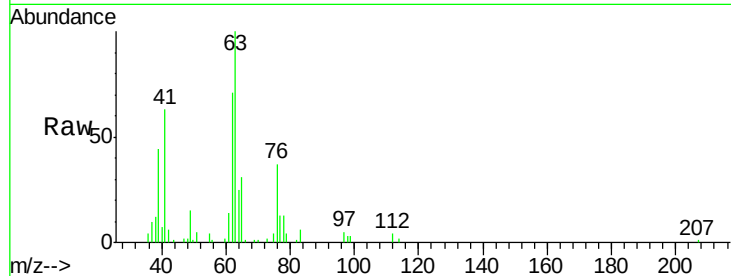
#45
 1,2-Dichloropropane
 Concen: 19.166 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion: 63 Resp: 39401
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8

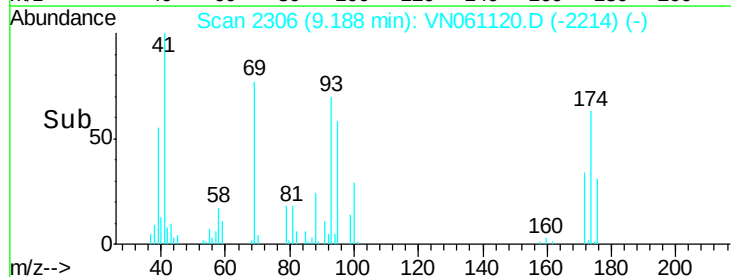
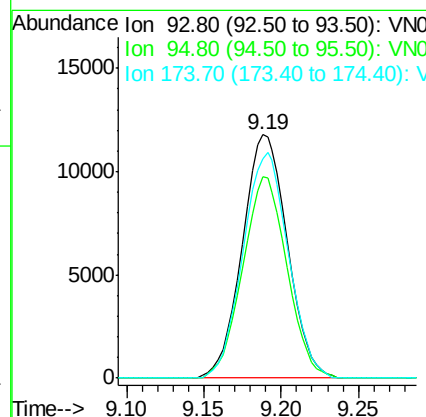
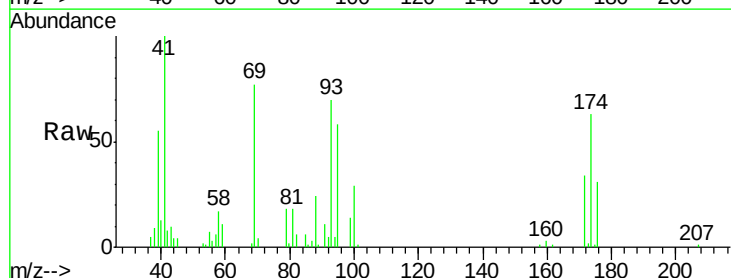
Manual Integrations
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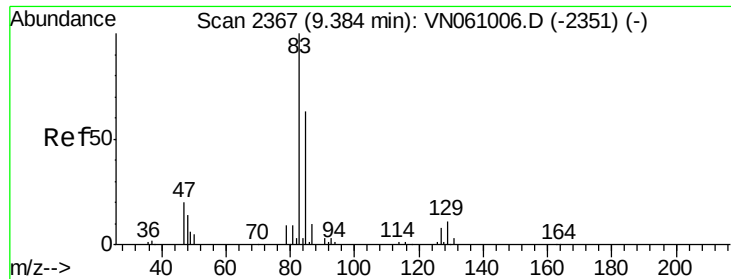
MMDadoda
 4/21/2020 12:02:50 PM



#46
 Dibromomethane
 Concen: 20.143 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion: 93 Resp: 23875
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.8 100.2
 174 93.3 76.2 114.4





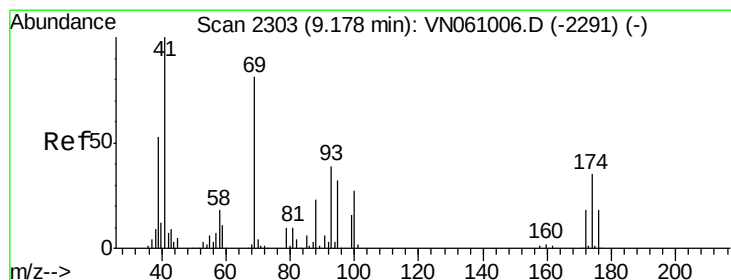
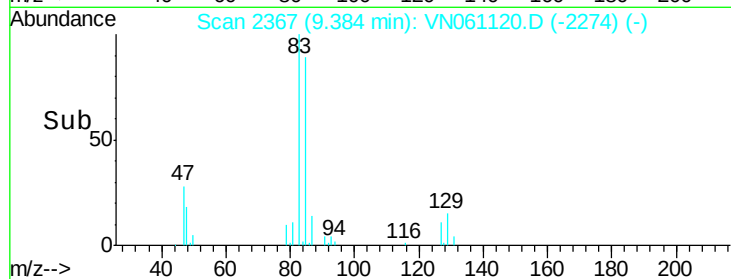
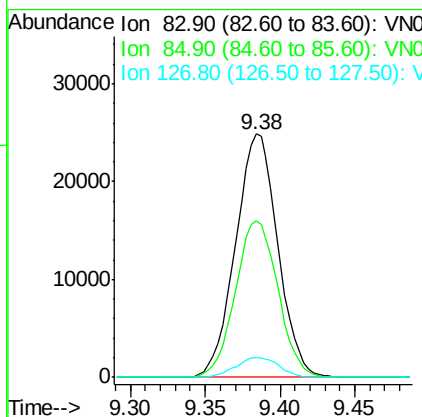
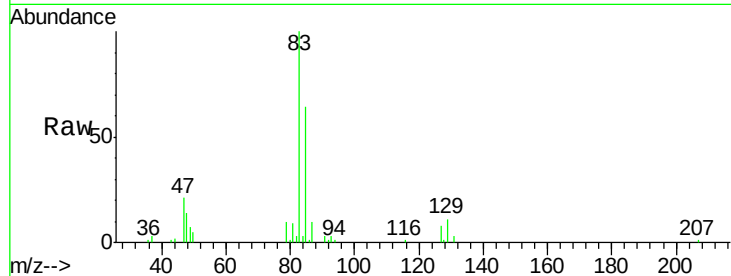
#47
Bromodichloromethane
Concen: 19.497 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	83	Resp	48819
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.6	76.0
127	8.2	6.1	9.1

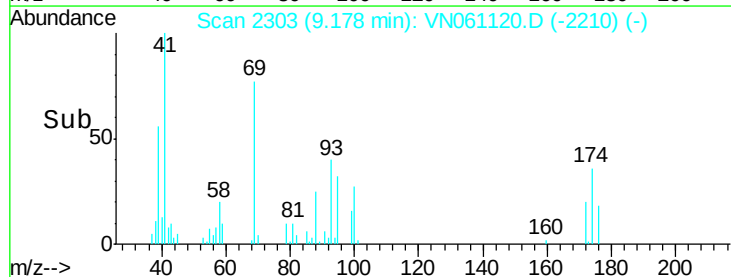
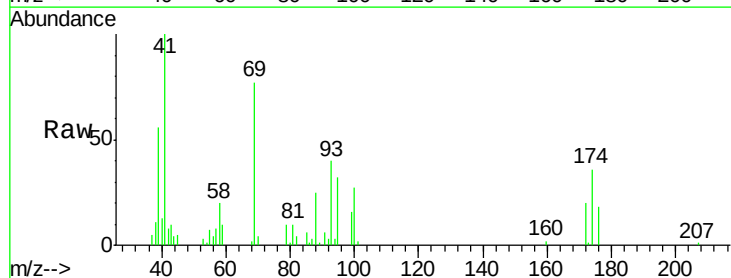
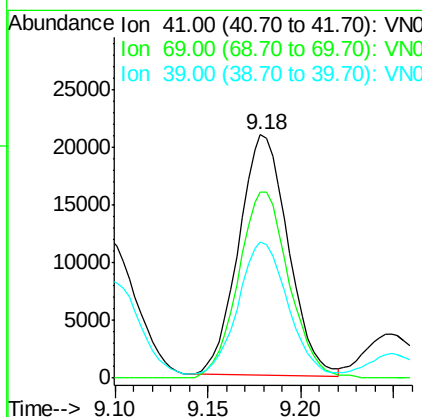
Manual Integrations
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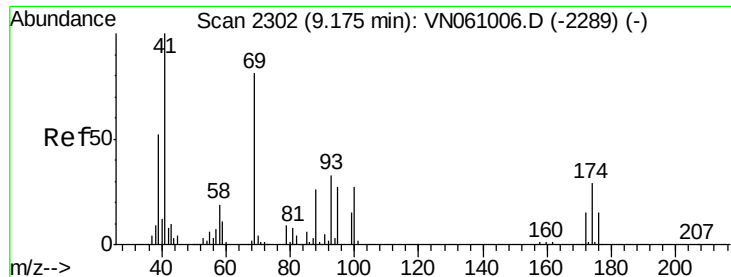
MMDadoda
4/21/2020 12:02:50 PM



#48
Methyl methacrylate
Concen: 19.370 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	41	Resp	38783
Ion Ratio	100	Lower	Upper
41	100		
69	79.2	65.3	97.9
39	55.0	45.2	67.8





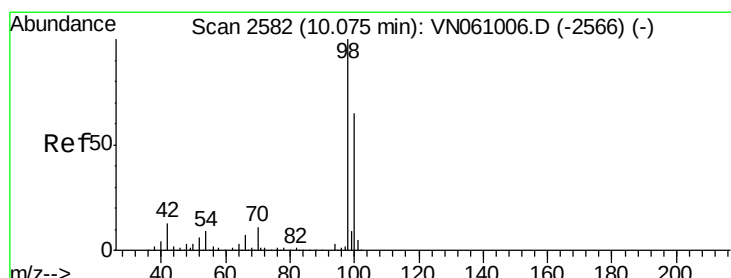
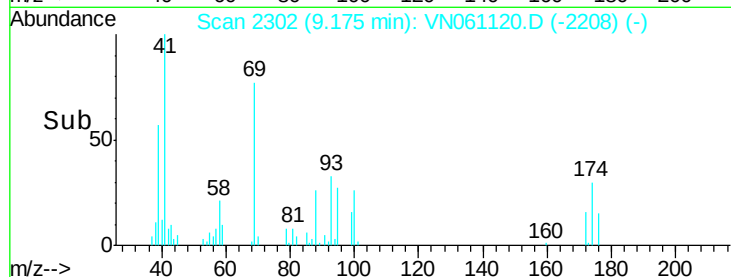
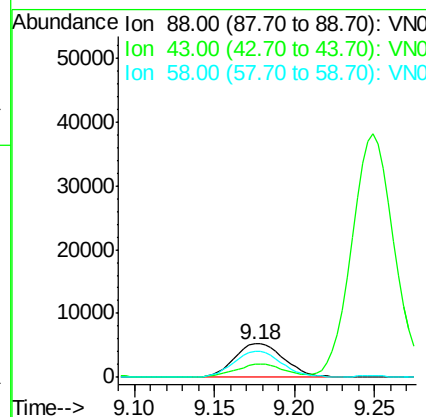
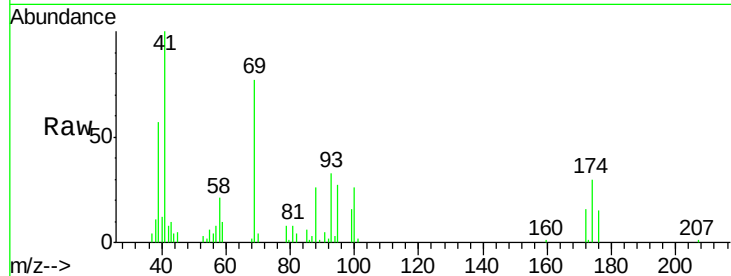
#49
1,4-Dioxane
Concen: 410.147 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.9	46.3
58	75.4	59.8	89.8

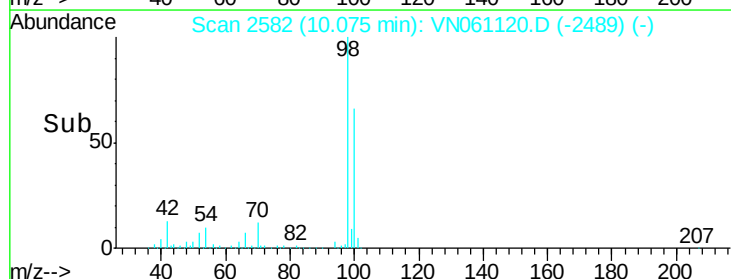
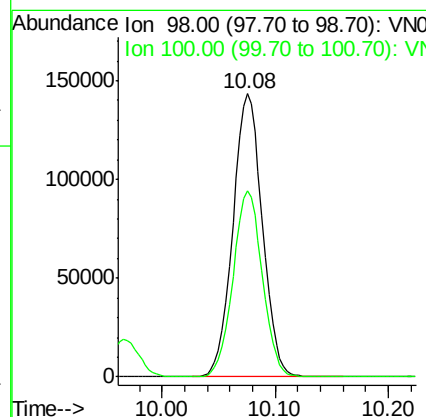
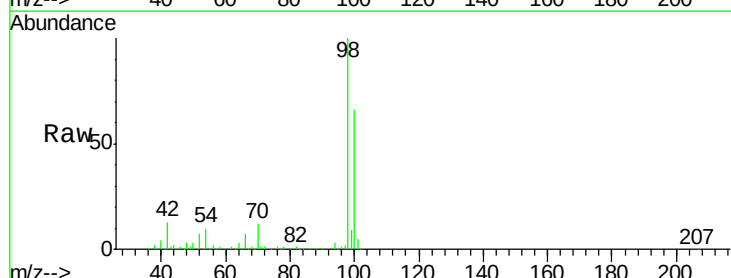
Manual Integrations
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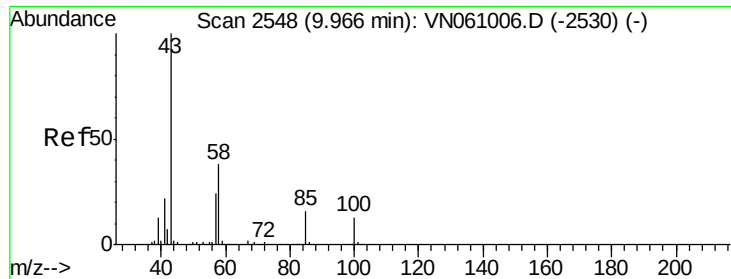
MMDadoda
4/21/2020 12:02:50 PM



#50
Toluene-d8
Concen: 47.250 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9





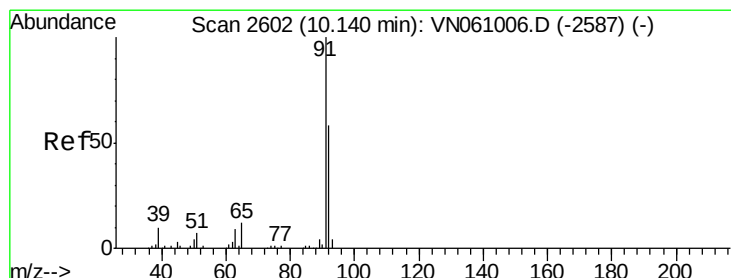
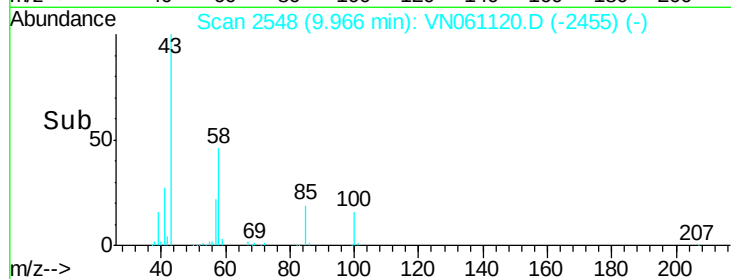
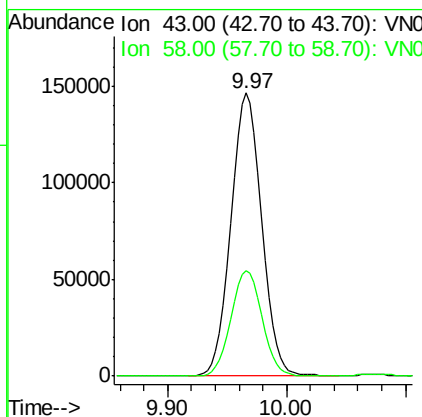
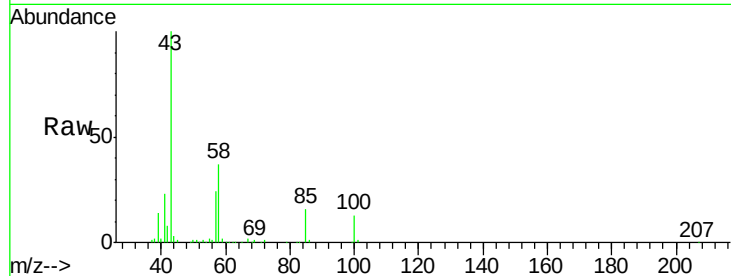
#51
4-Methyl-2-Pentanone
Concen: 100.445 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

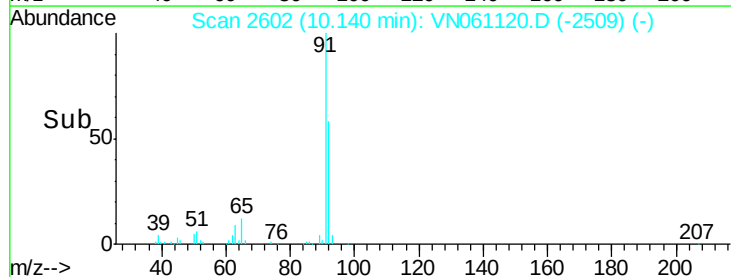
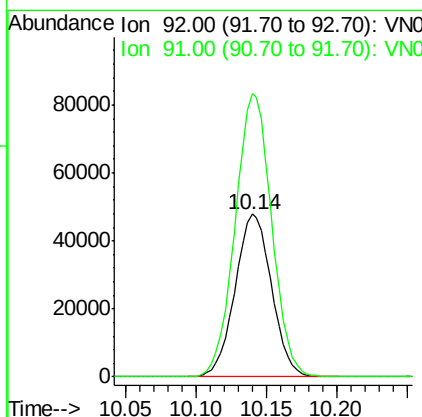
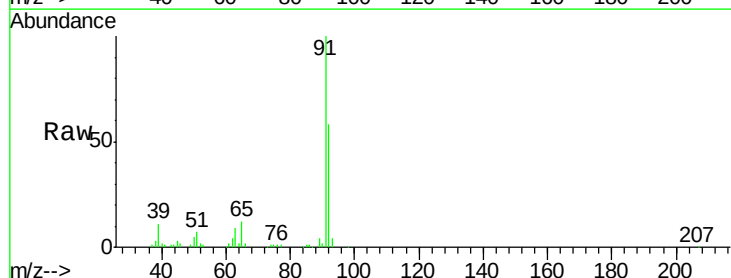
Manual Integrations
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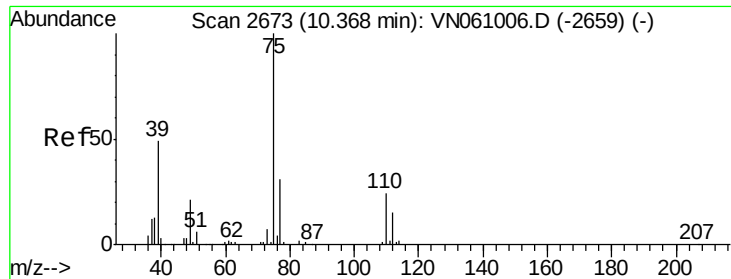
MMDadoda
4/21/2020 12:02:50 PM



#52
Toluene
Concen: 18.998 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	137.7	206.5





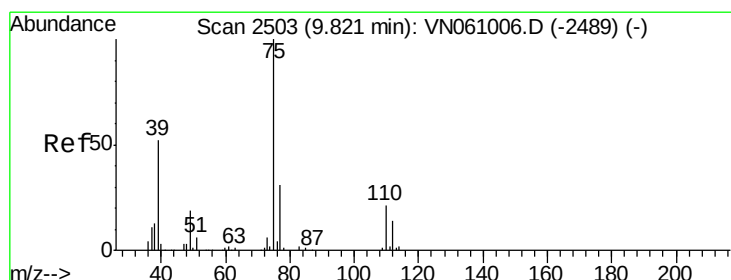
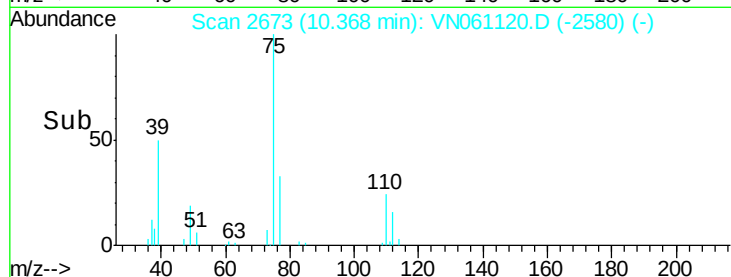
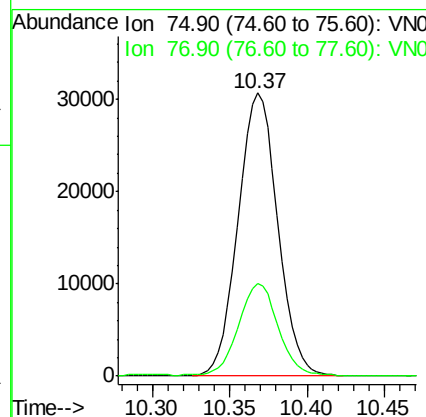
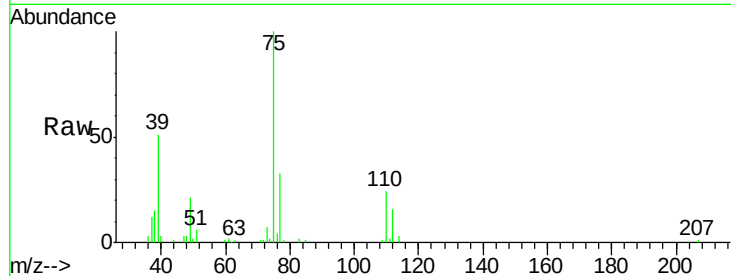
#53
t-1,3-Dichloropropene
Concen: 18.795 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.6

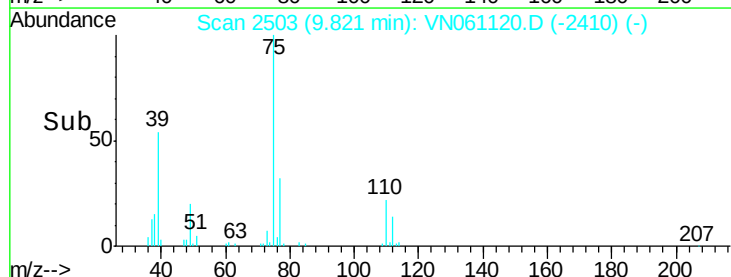
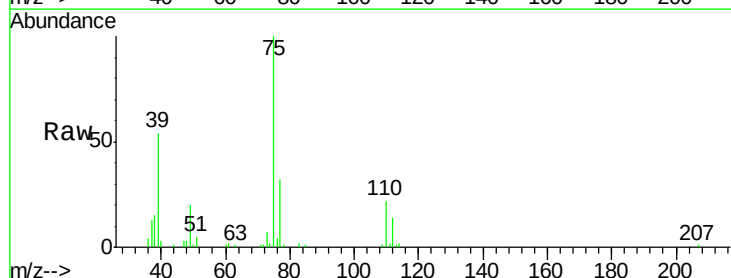
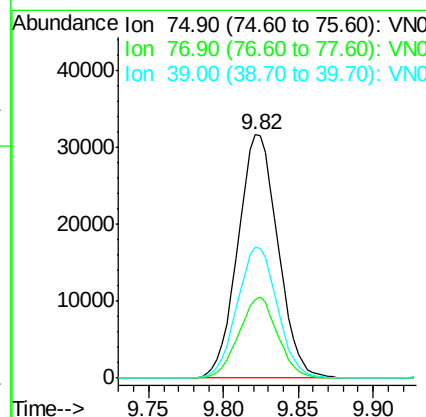
Manual Integrations
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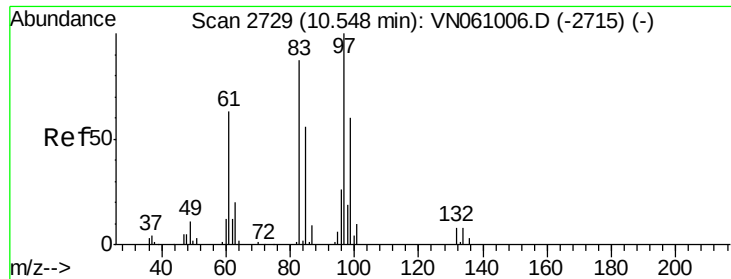
MMDadoda
4/21/2020 12:02:50 PM



#54
cis-1,3-Dichloropropene
Concen: 18.606 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.6
39	53.9	41.4	62.2





#55

1,1,2-Trichloroethane

Concen: 19.722 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

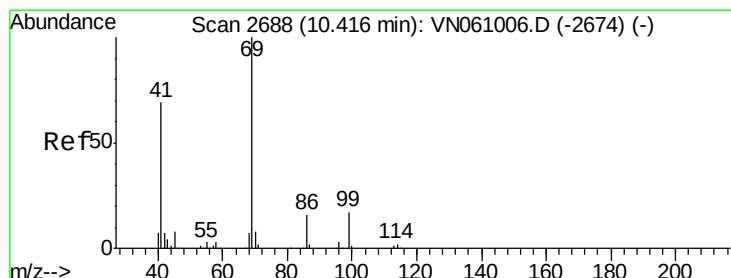
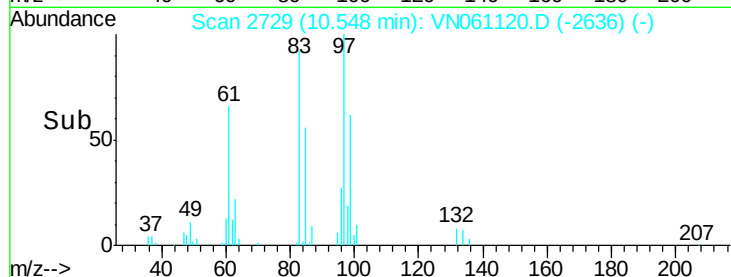
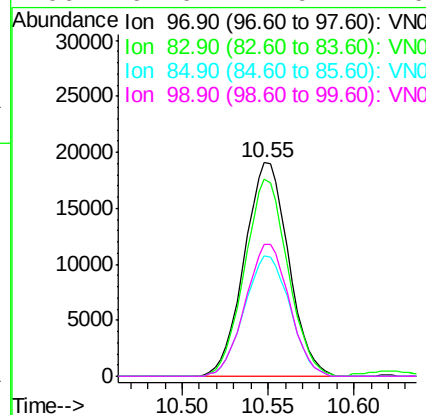
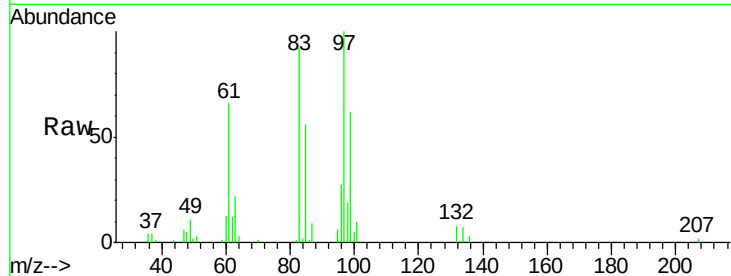
ClientSampleId :

VN0420WBS02

Tot Ion:	97	Resp:	34077
Ion	Ratio	Lower	Upper
97	100		
83	92.2	69.5	104.3
85	56.3	45.0	67.4
99	61.6	47.9	71.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.071 ug/l

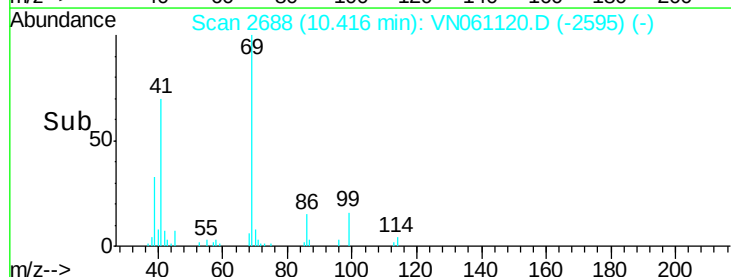
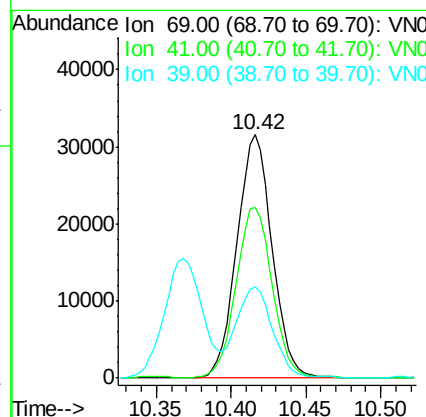
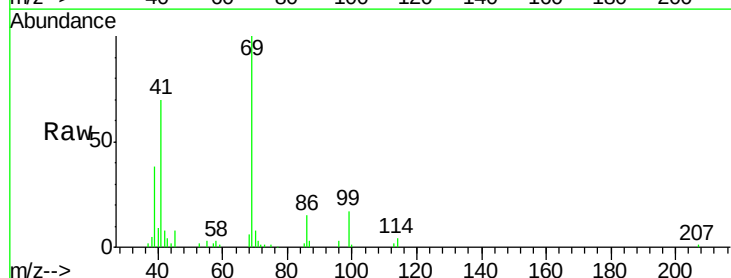
RT: 10.42 min Scan# 2688

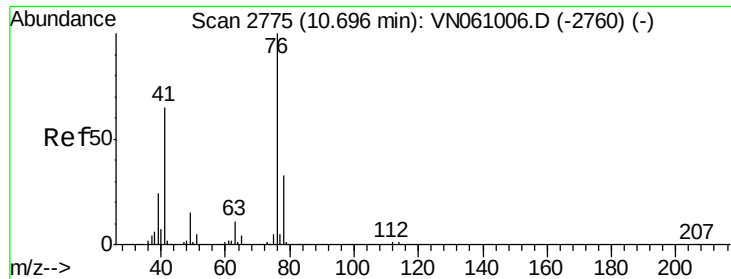
Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Tgt Ion:	69	Resp:	51817
Ion	Ratio	Lower	Upper
69	100		
41	72.4	56.7	85.1
39	38.9	29.4	44.0





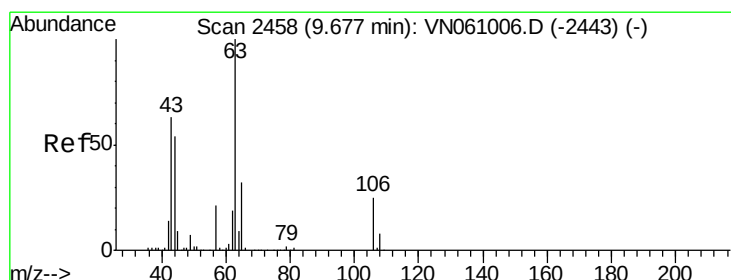
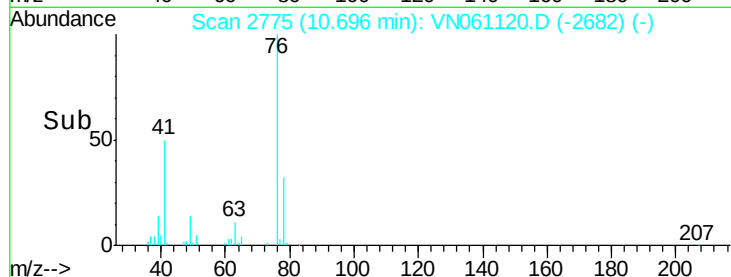
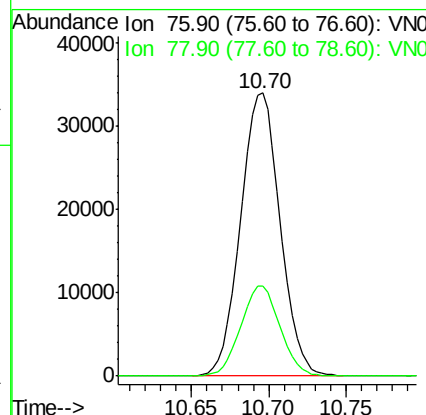
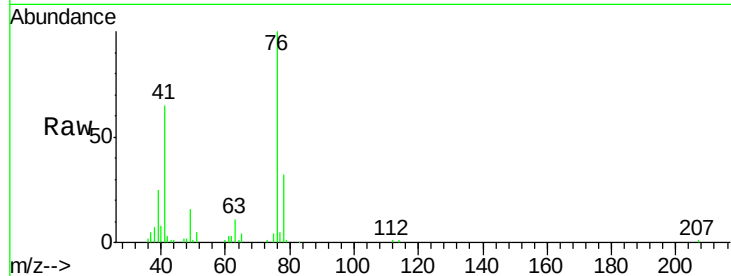
#57
 1,3-Dichloropropane
 Concen: 19.536 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion: 76 Resp: 60212
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

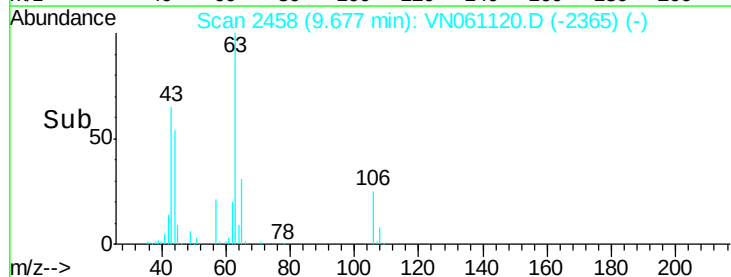
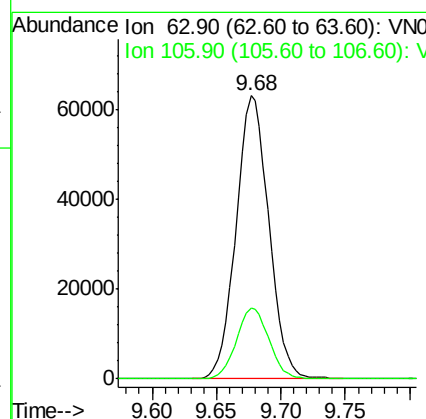
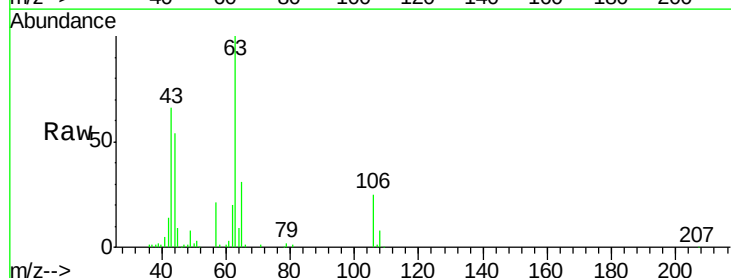
Manual Integrations
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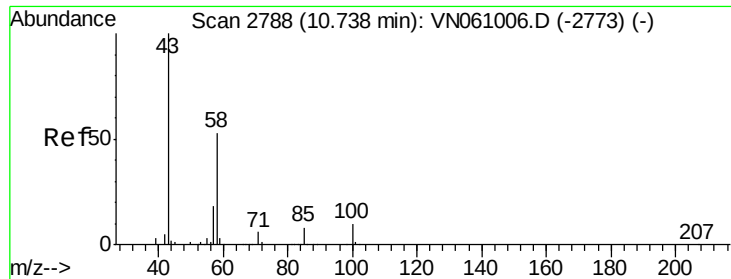
MMDadoda
 4/21/2020 12:02:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.304 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion: 63 Resp: 111494
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.5 29.3





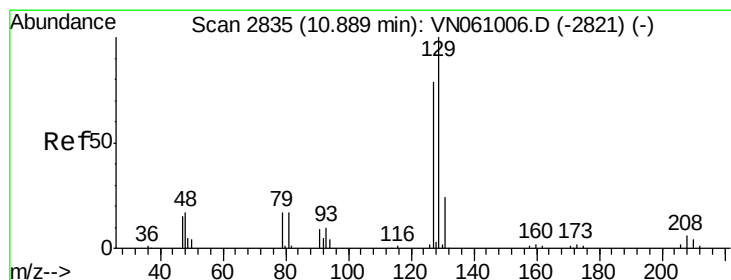
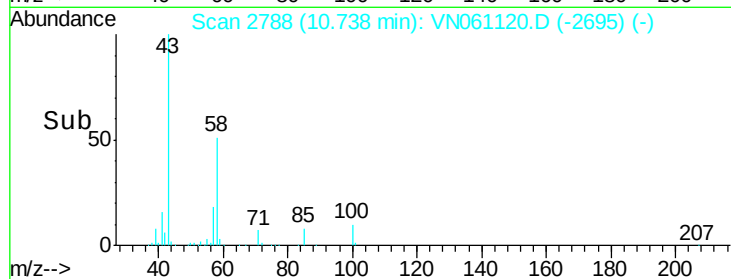
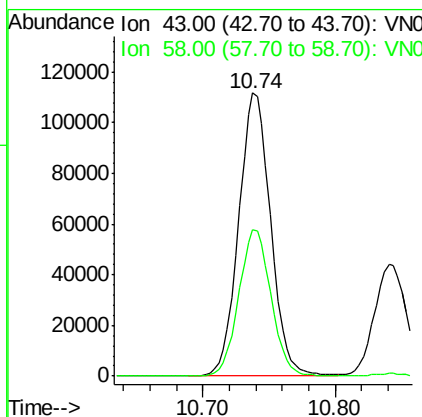
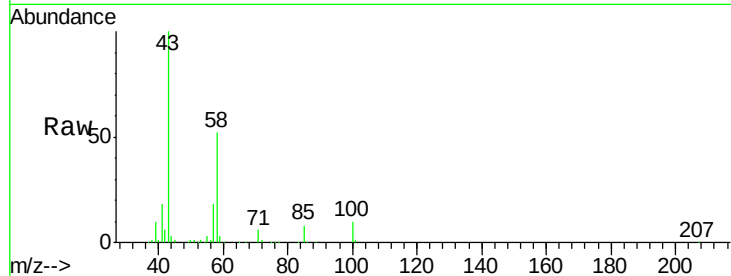
#59
2-Hexanone
Concen: 99.315 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion: 43 Resp: 187066
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0

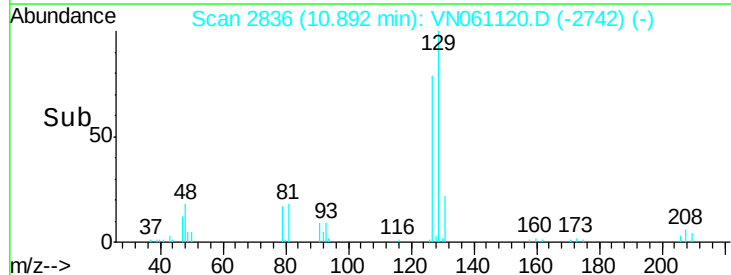
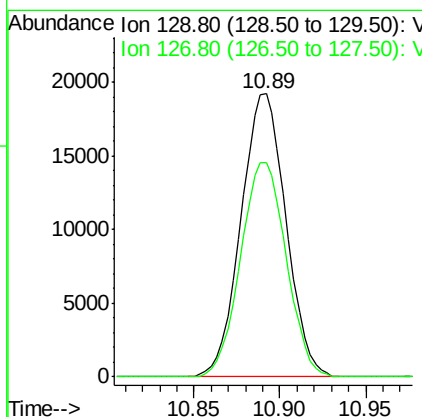
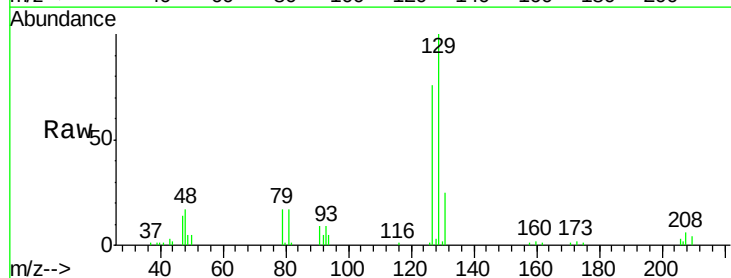
Manual Integrations
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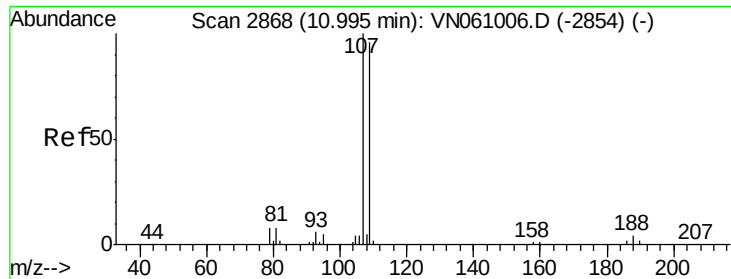
MMDadoda
4/21/2020 12:02:50 PM



#60
Dibromochloromethane
Concen: 19.671 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion: 129 Resp: 34915
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





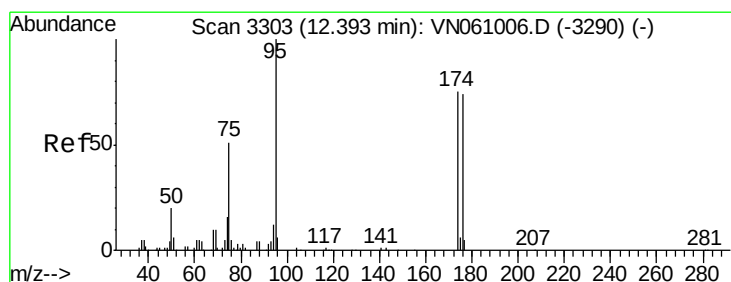
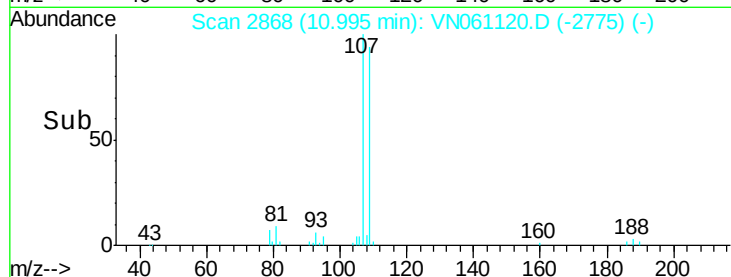
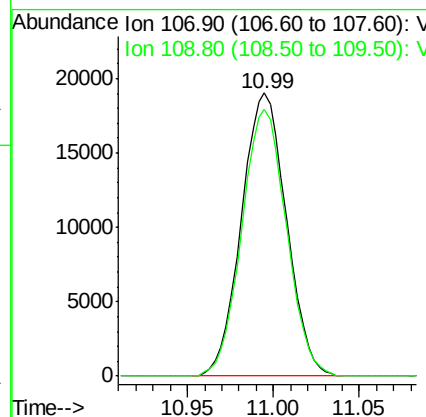
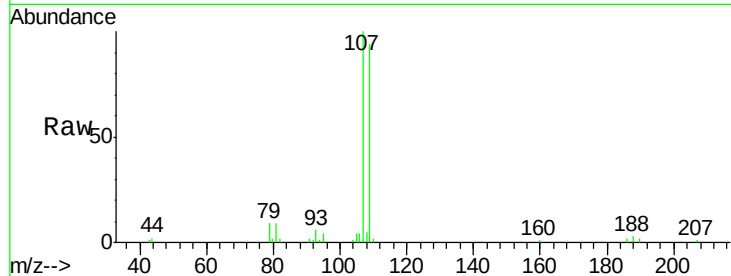
#61
 1,2-Dibromoethane
 Concen: 19.575 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.9	113.9

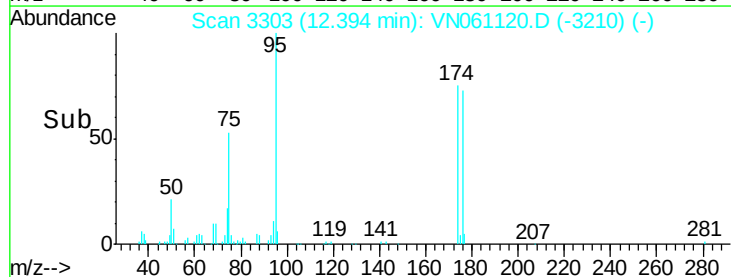
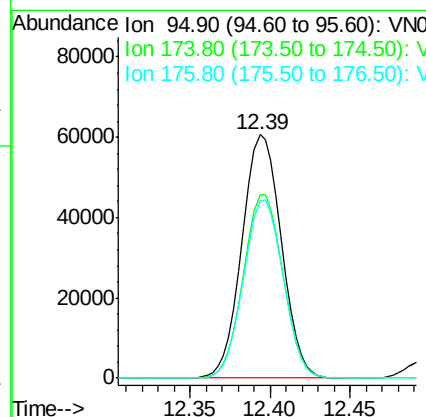
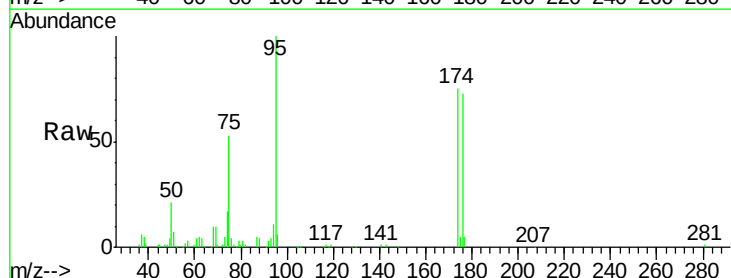
Manual Integrations
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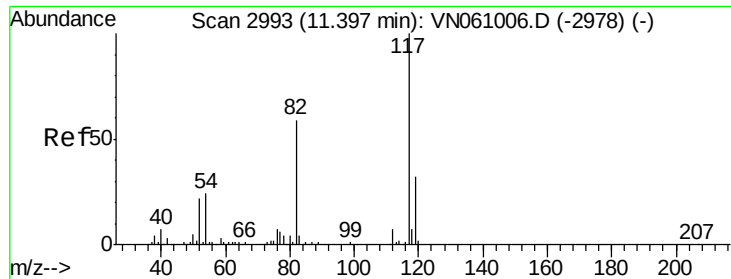
MMDadoda
 4/21/2020 12:02:50 PM



#62
 4-Bromofluorobenzene
 Concen: 47.295 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	151.2
176	73.8	0.0	148.2





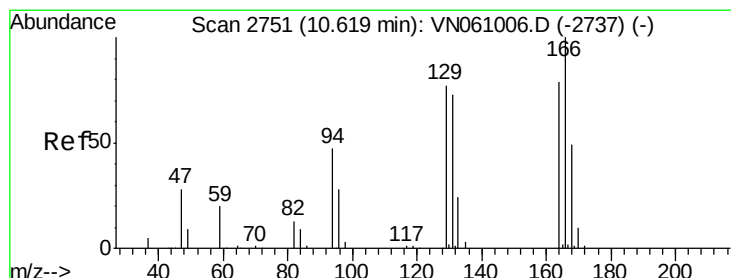
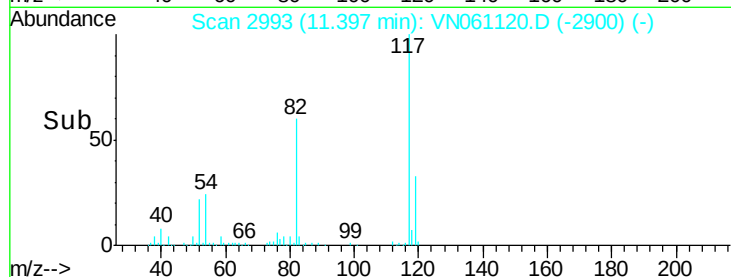
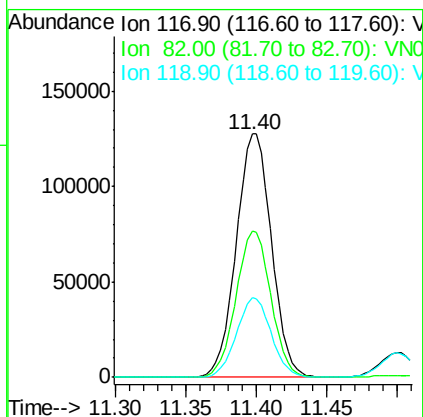
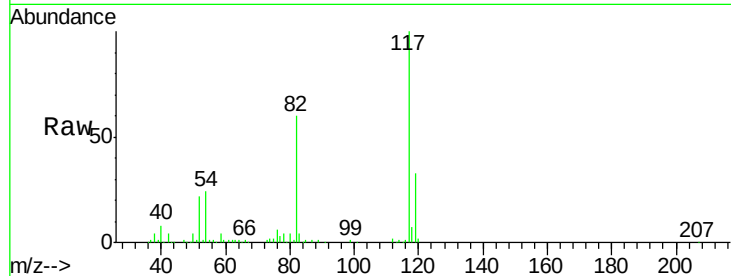
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	223790		
82	60.1	47.1	70.7	
119	32.5	25.7	38.5	

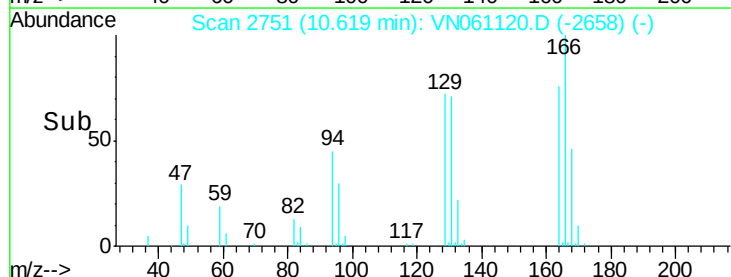
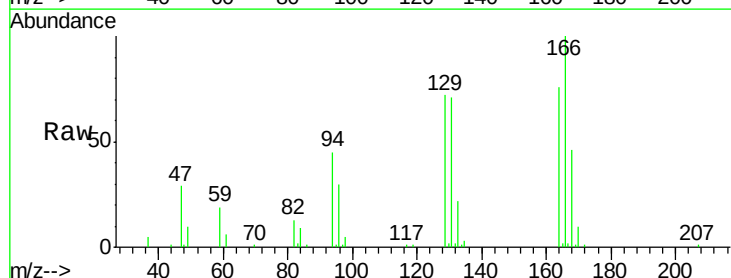
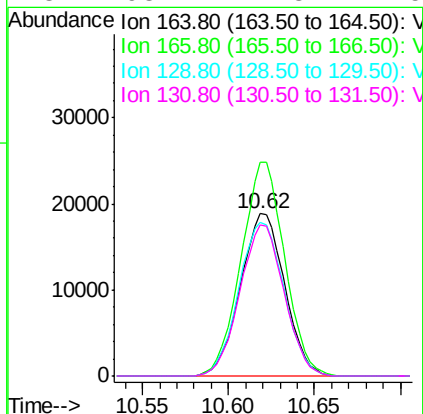
Manual Integrations
APPROVED

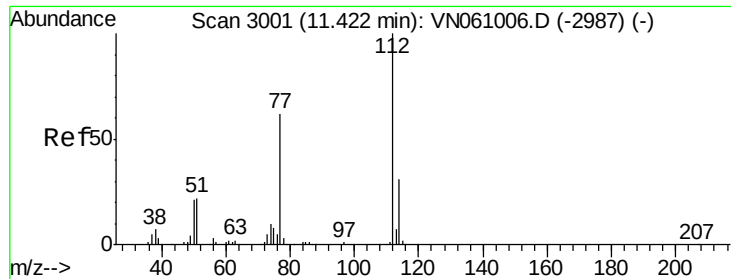
MMDadoda
4/21/2020 12:02:50 PM



#64
Tetrachloroethene
Concen: 19.741 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33805		
166	131.9	101.6	152.4	
129	95.1	78.5	117.7	
131	93.2	74.3	111.5	





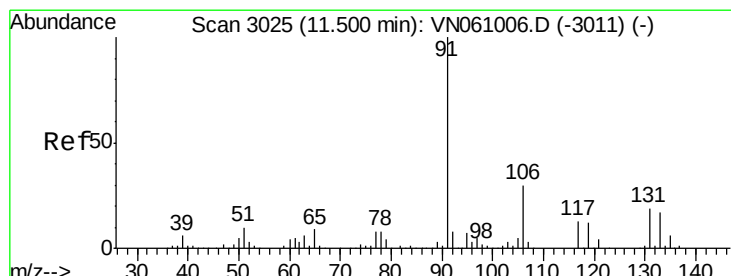
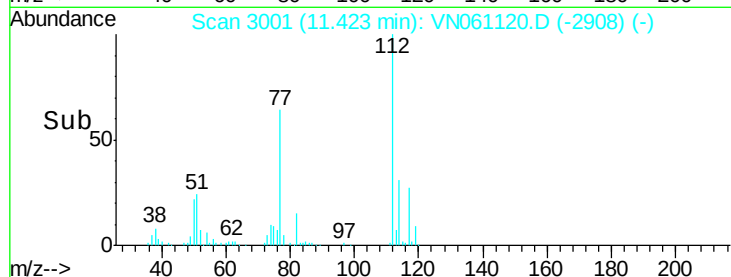
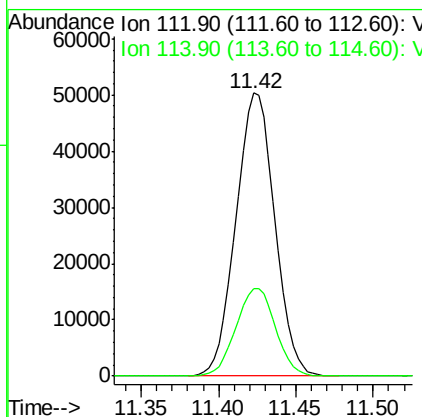
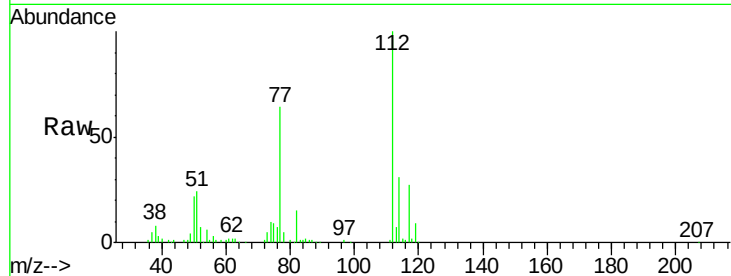
#65
Chlorobenzene
Concen: 19.010 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion:112 Resp: 87824
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7

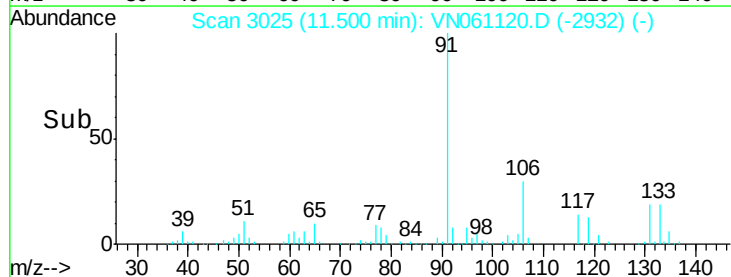
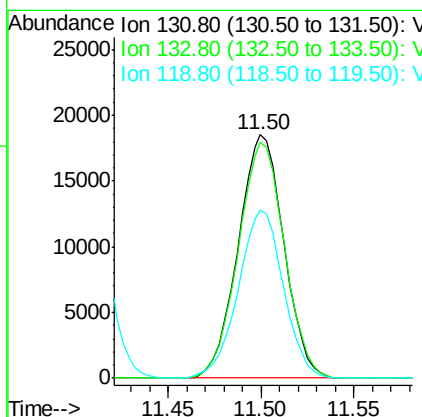
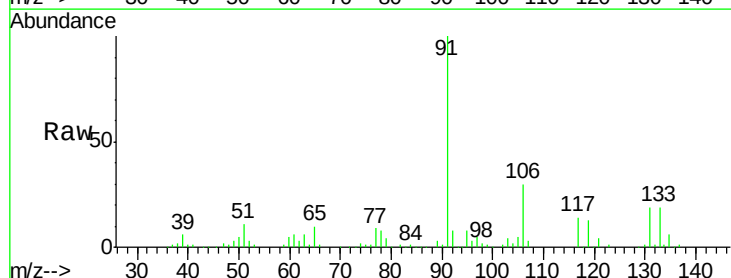
Manual Integrations
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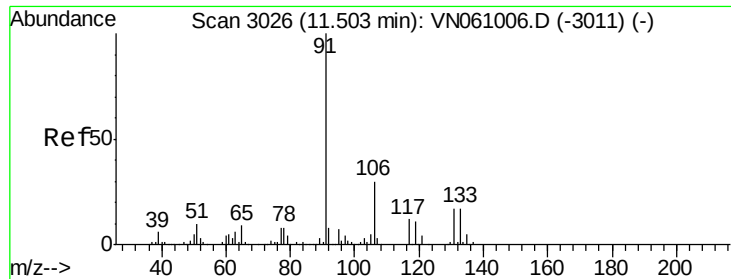
MMDadoda
4/21/2020 12:02:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.179 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion:131 Resp: 31699
Ion Ratio Lower Upper
131 100
133 98.3 47.9 143.8
119 68.2 33.3 99.8





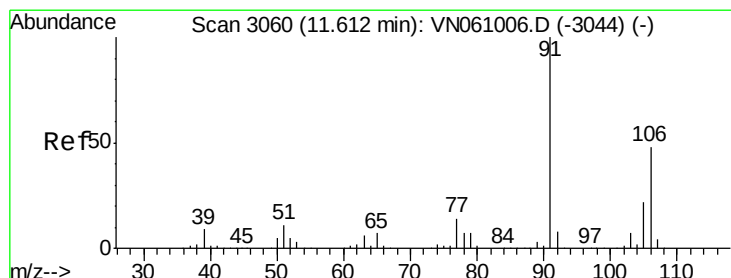
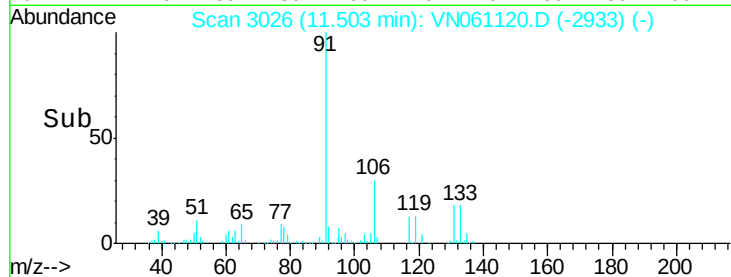
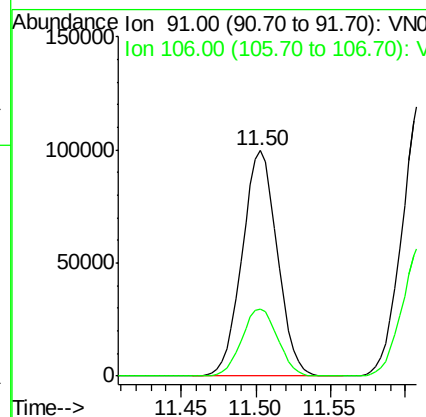
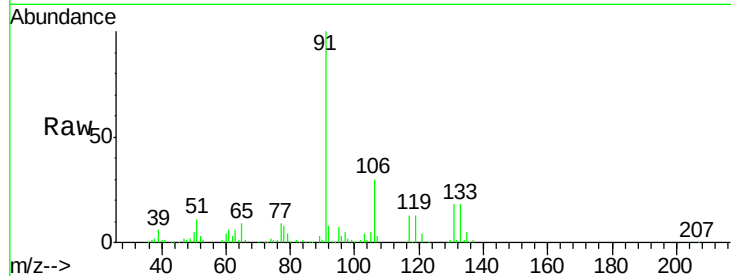
#67
Ethyl Benzene
Concen: 18.784 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS02

Tot Ion: 91 Resp: 163234
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

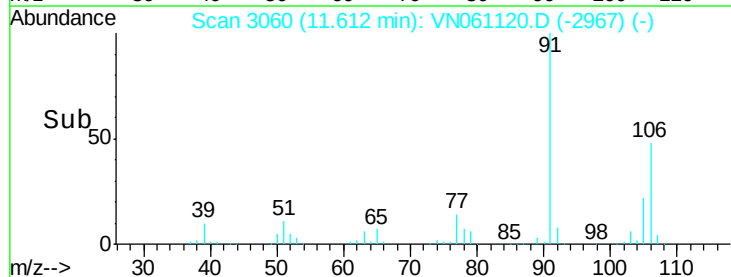
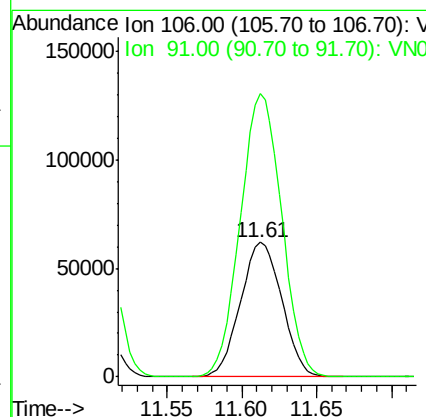
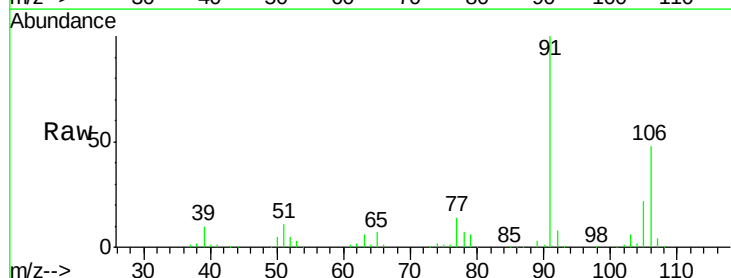
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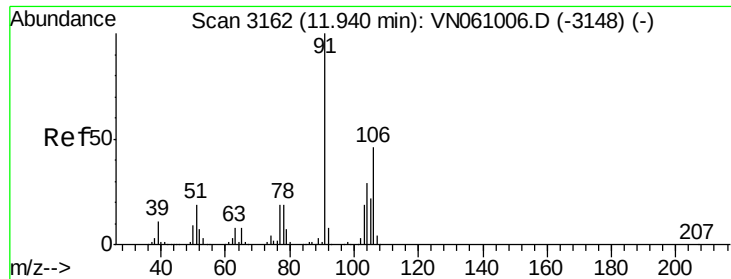
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#68
m/p-Xylenes
Concen: 38.041 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion: 106 Resp: 119473
Ion Ratio Lower Upper
106 100
91 210.5 167.9 251.9





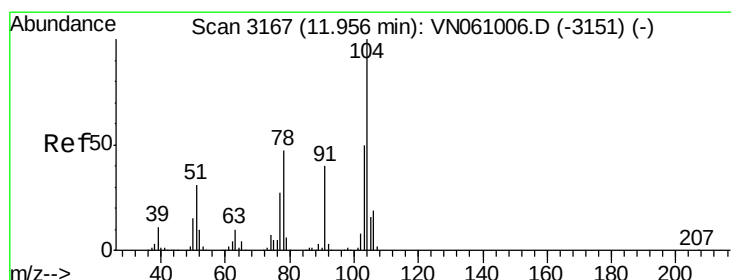
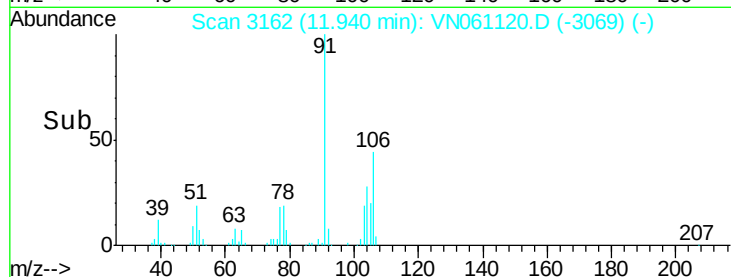
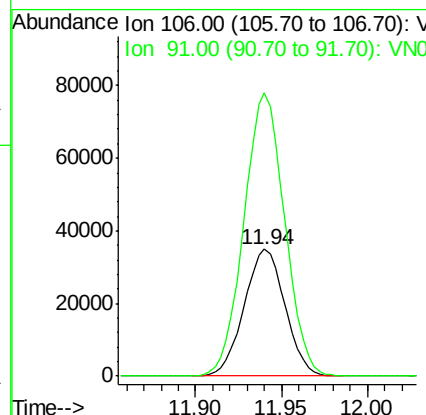
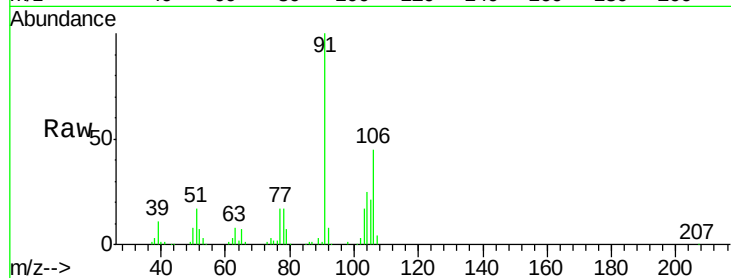
#69
o-Xylene
Concen: 19.111 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion:106 Resp: 57707
Ion Ratio Lower Upper
106 100
91 221.6 110.7 332.1

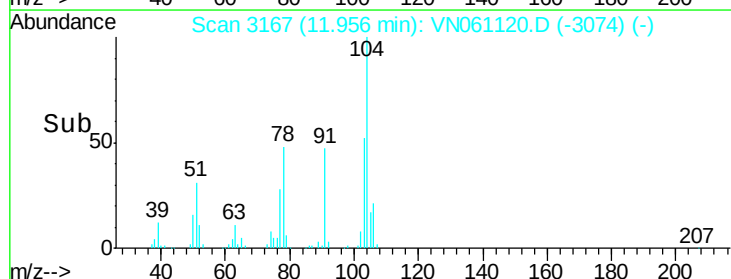
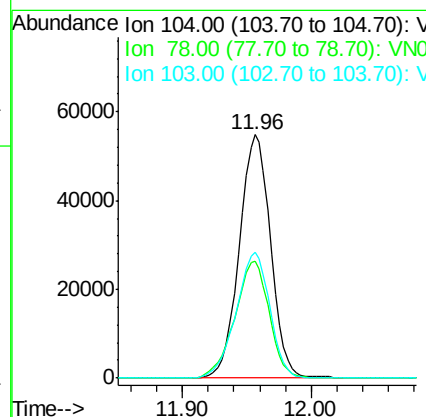
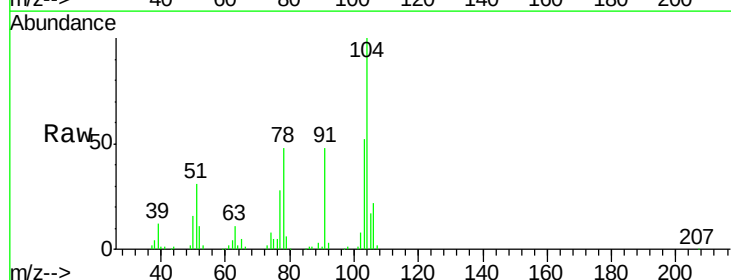
Manual Integrations
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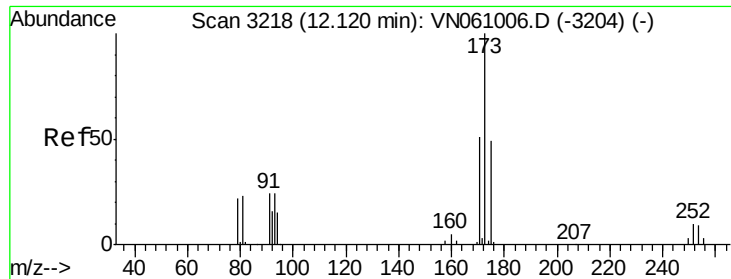
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#70
Styrene
Concen: 19.018 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion:104 Resp: 92454
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 55.6 44.4 66.6





#71

Bromoform

Concen: 19.652 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS02

Tot Ion:173 Resp: 24246

Ion Ratio Lower Upper

173 100

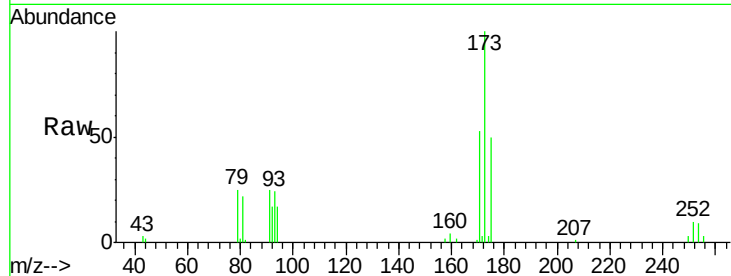
175 49.3 24.5 73.5

254 0.0 0.0 0.0

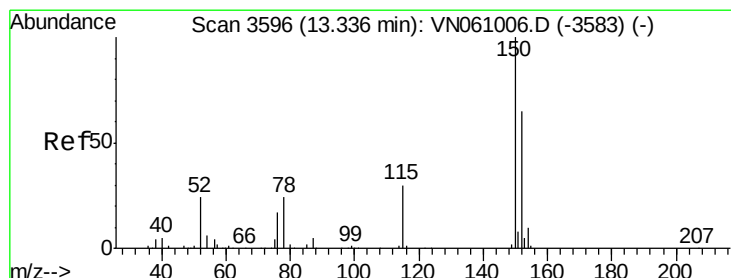
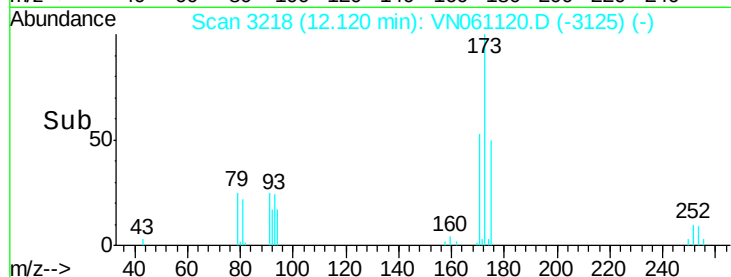
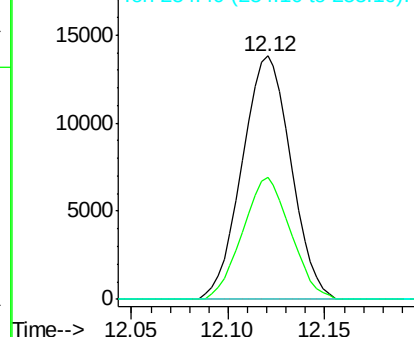
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

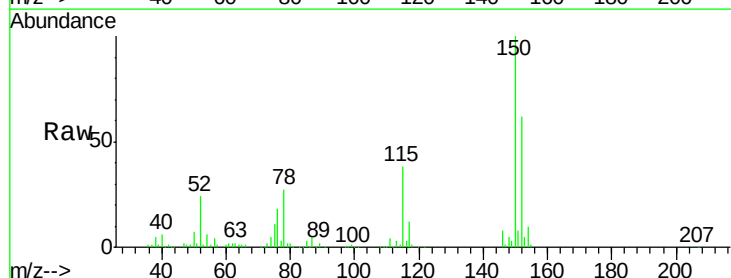
Tgt Ion:152 Resp: 102193

Ion Ratio Lower Upper

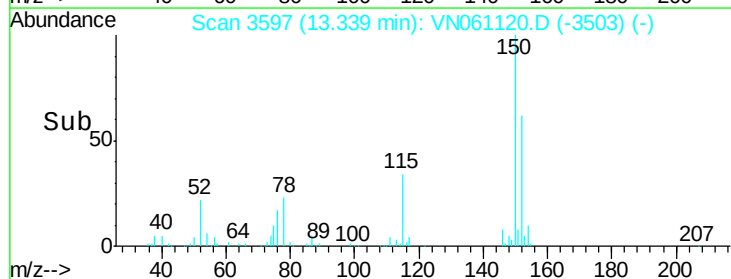
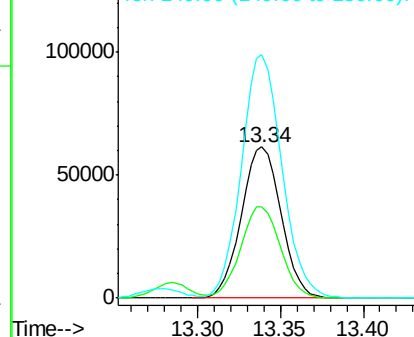
152 100

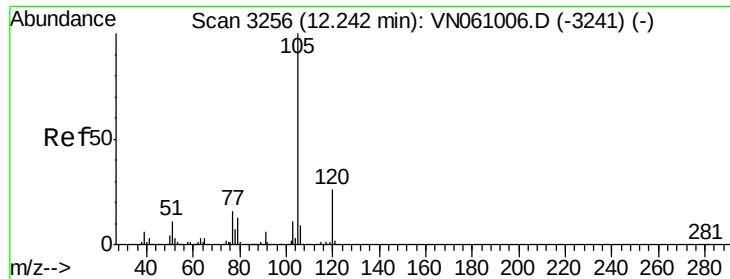
115 60.7 30.8 92.4

150 164.6 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





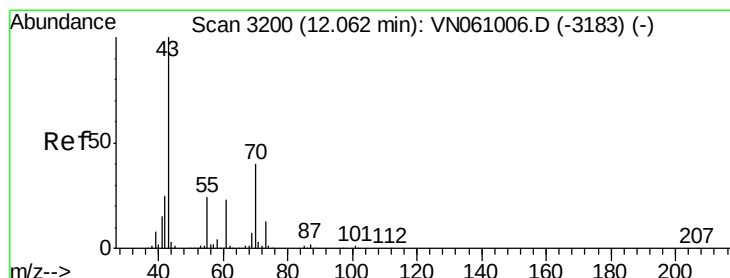
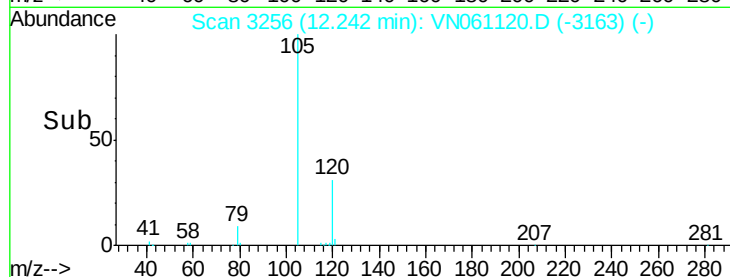
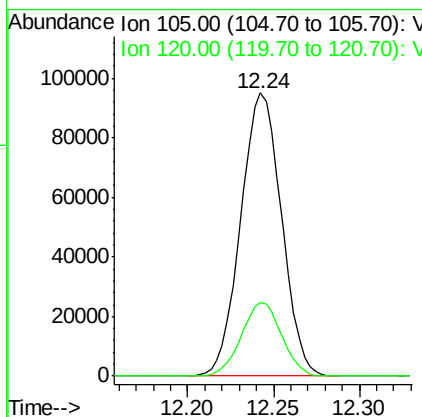
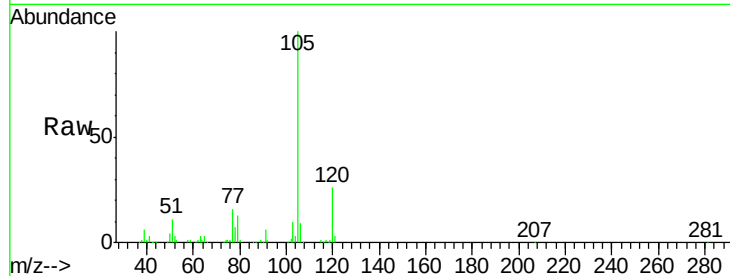
#73
Isopropylbenzene
Concen: 19.091 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS02

Tot Ion: 105 Resp: 156303
Ion Ratio Lower Upper
105 100
120 25.7 13.0 38.9

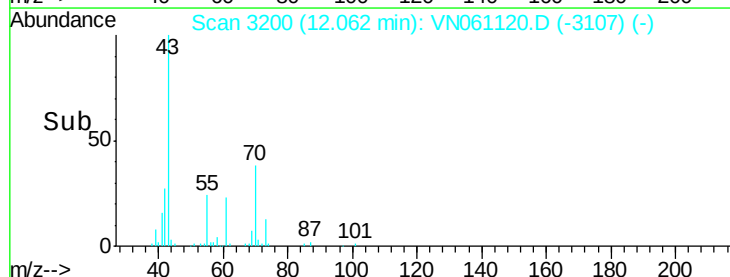
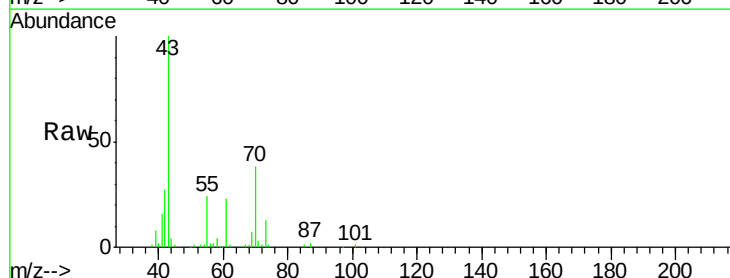
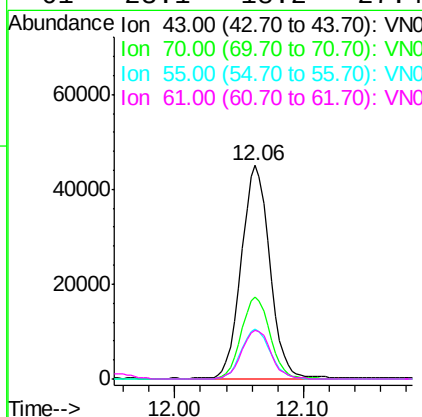
Manual Integrations
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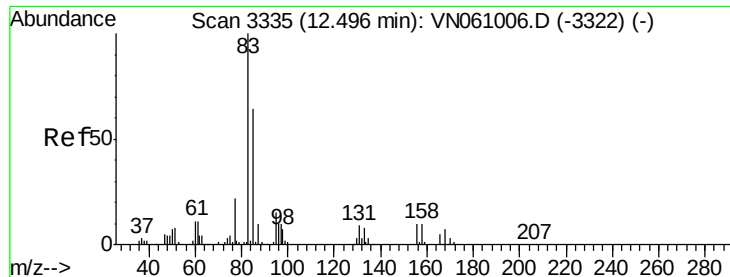
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#74
N-ethyl acetate
Concen: 18.360 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion: 43 Resp: 69901
Ion Ratio Lower Upper
43 100
70 38.5 31.0 46.6
55 23.4 18.6 27.8
61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.841 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

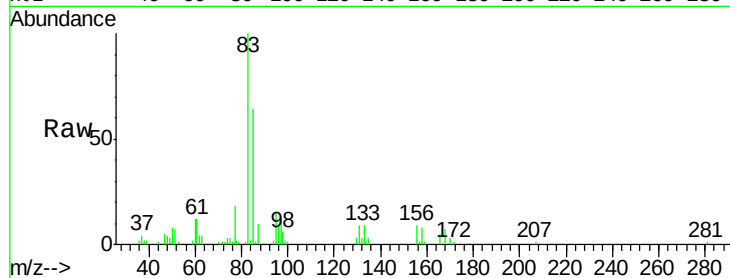
ClientSampleId :

VN0420WBS02

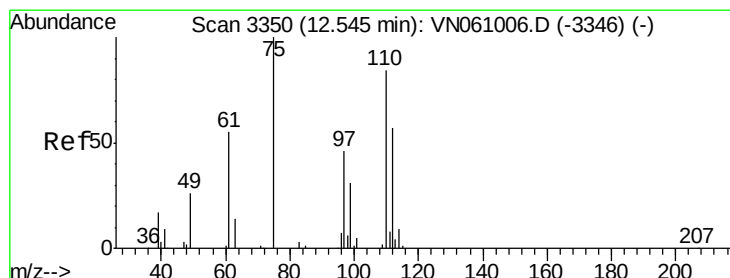
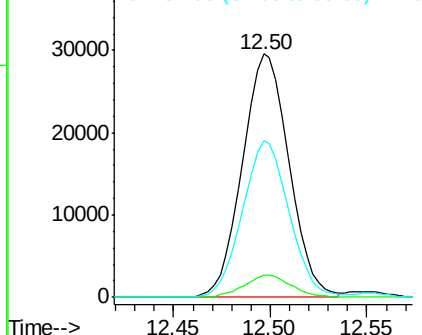
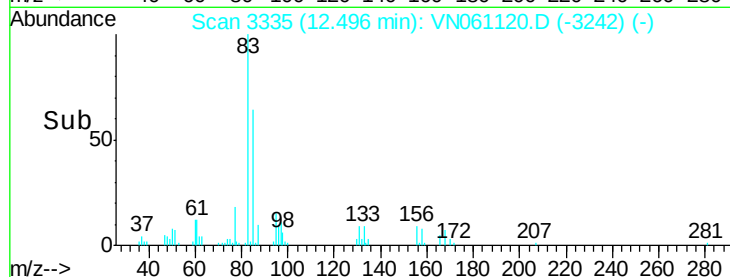
Tot Ion:	83	Resp:	49586
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.3
85	64.3	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061120.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 21.019 ug/l m

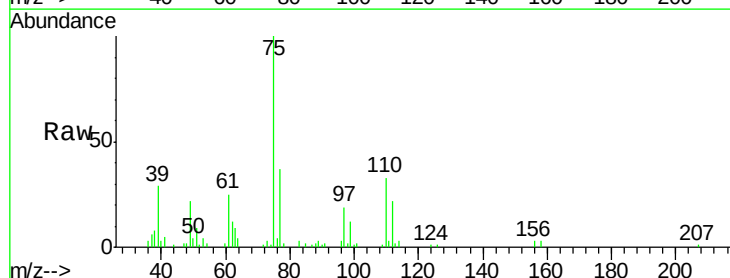
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

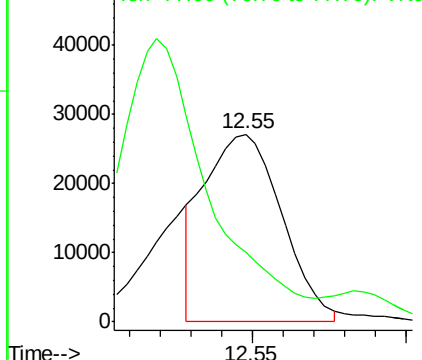
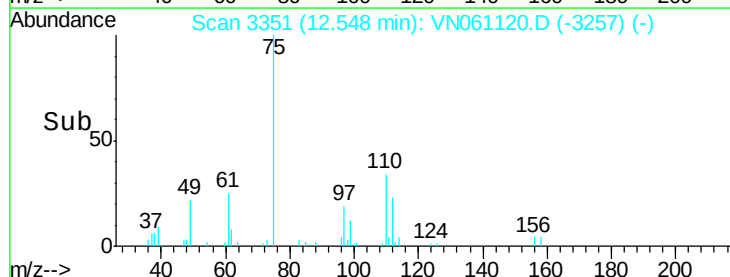
Lab File: VN061120.D

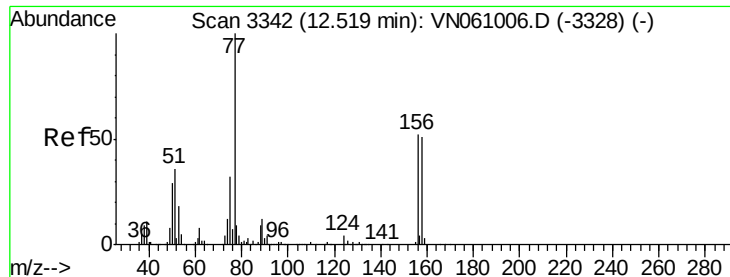
Acq: 20 Apr 2020 23:24

Tgt Ion:	75	Resp:	47248
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061120.D (-3257) (-)





#77

Bromobenzene

Concen: 19.412 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS02

Tot Ion:156 Resp: 37107

Ion Ratio Lower Upper

156 100

77 226.2 115.6 346.8

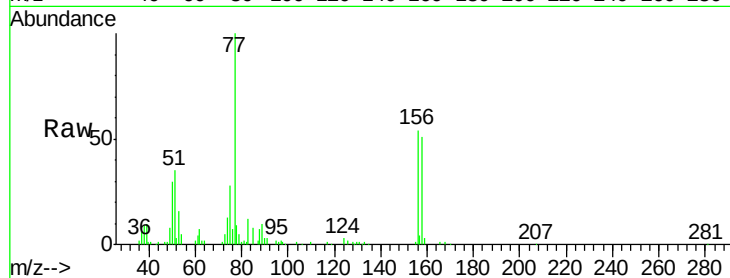
158 94.9 48.9 146.6

Manual Integrations

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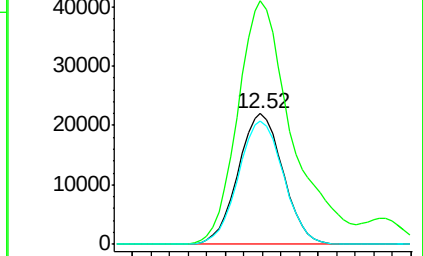
4/21/2020 12:02:50 PM



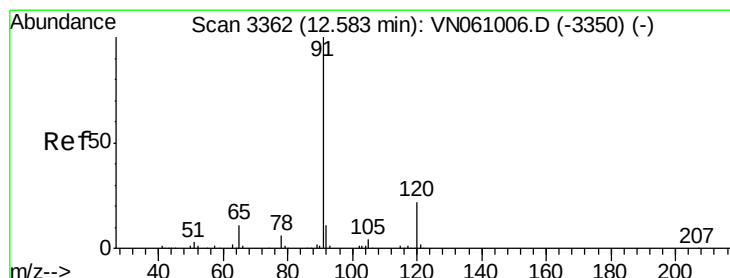
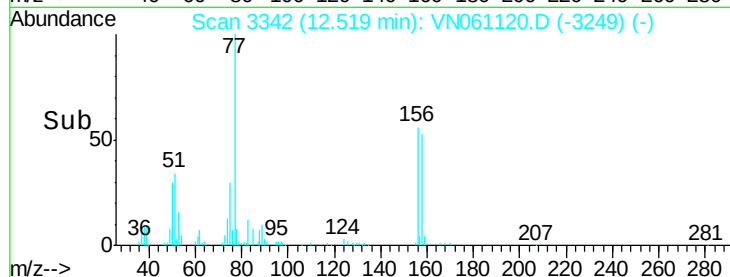
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 18.944 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061120.D

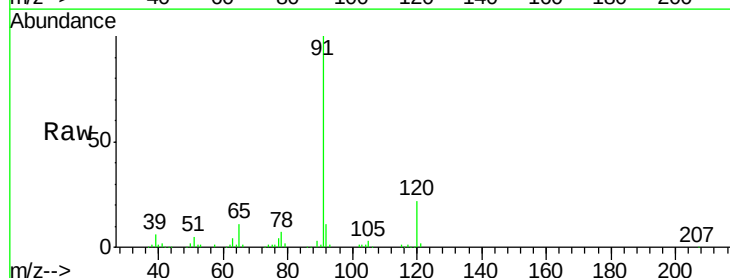
Acq: 20 Apr 2020 23:24

Tgt Ion: 91 Resp: 181459

Ion Ratio Lower Upper

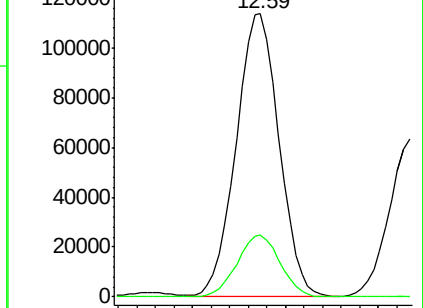
91 100

120 21.9 10.9 32.7

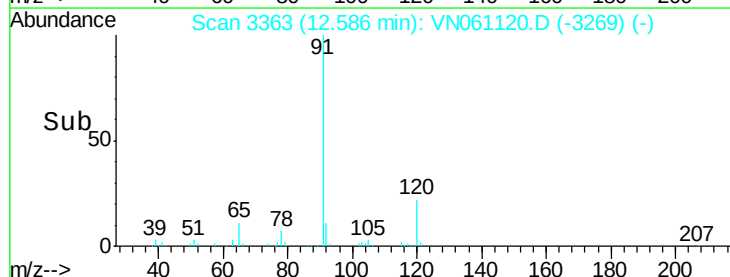


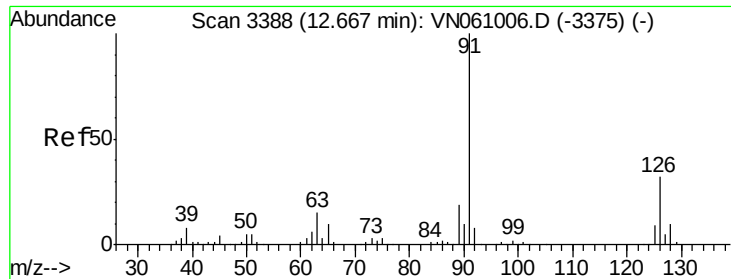
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





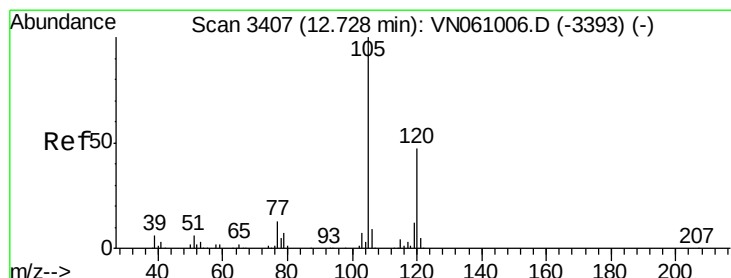
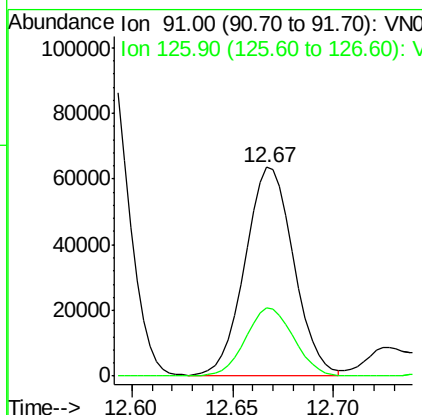
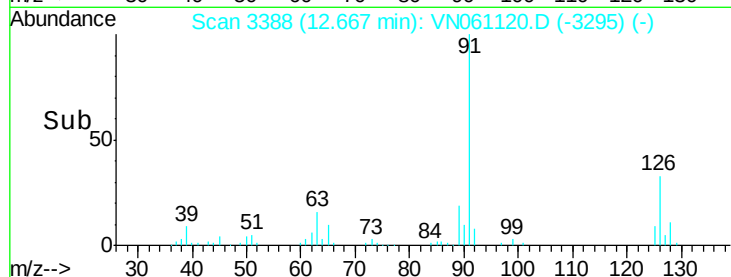
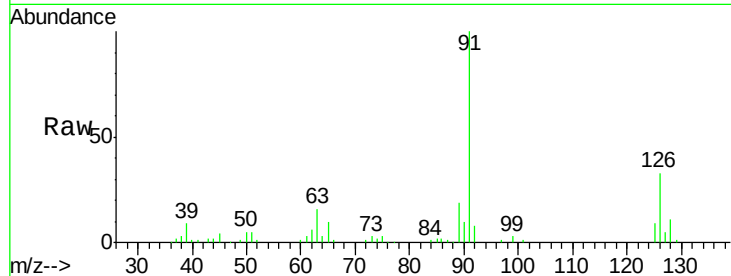
#79
 2-Chlorotoluene
 Concen: 19.040 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion: 91 Resp: 106964
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.2

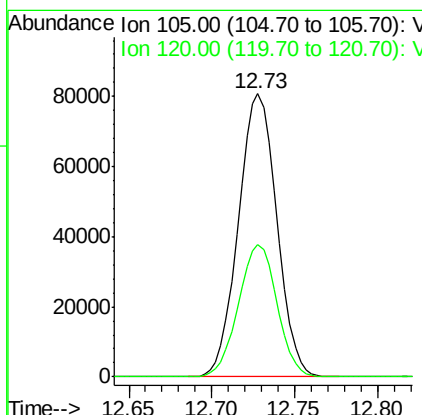
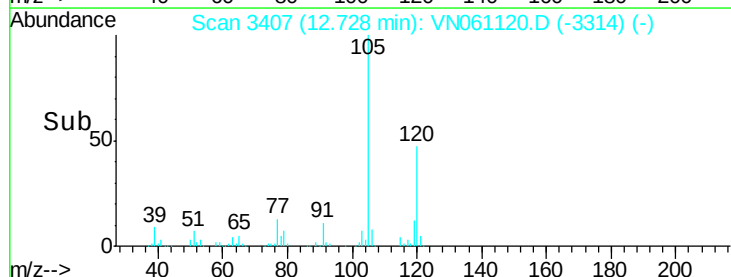
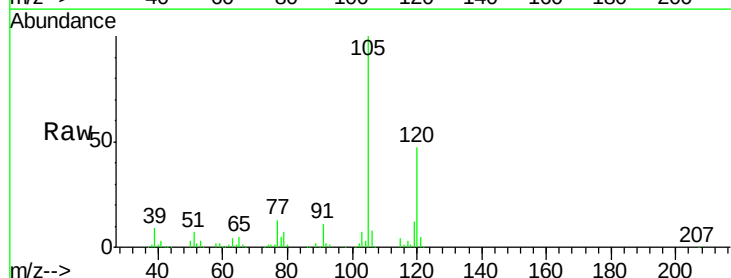
Manual Integrations
 APPROVED

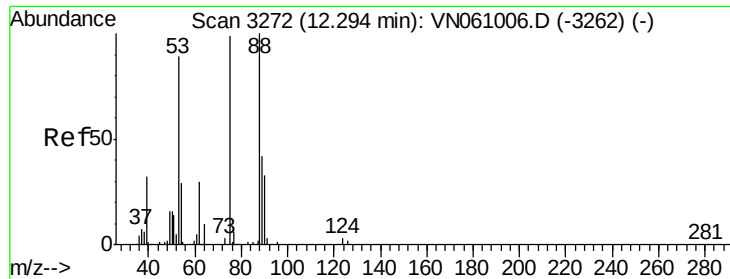
MMDadoda
 4/21/2020 12:02:50 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.234 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion: 105 Resp: 130165
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8





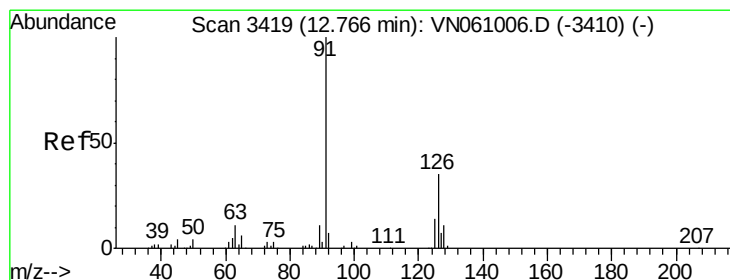
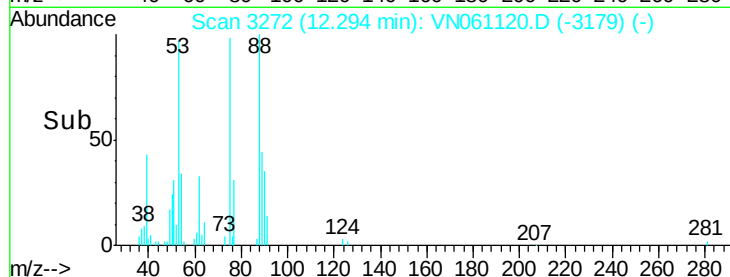
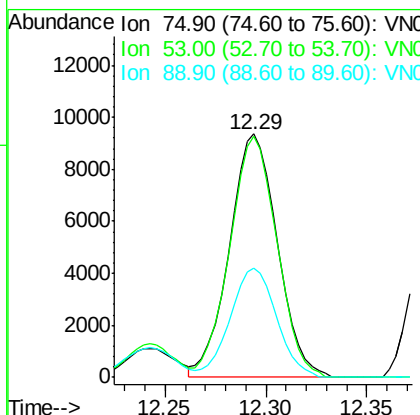
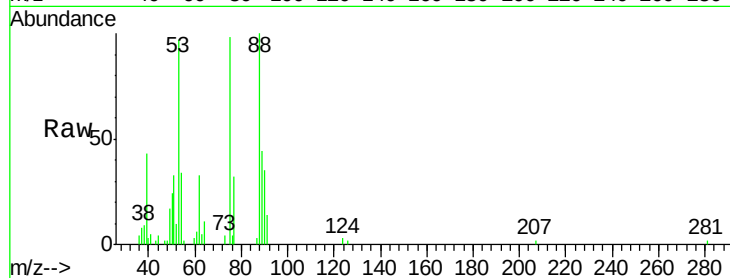
#81
trans-1,4-Dichloro-2-butene
Concen: 17.129 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	74.7	112.1
89	43.2	34.6	52.0

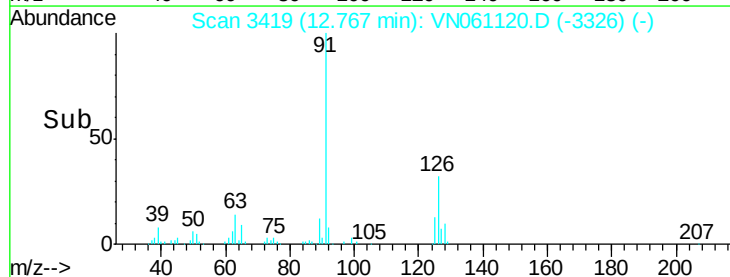
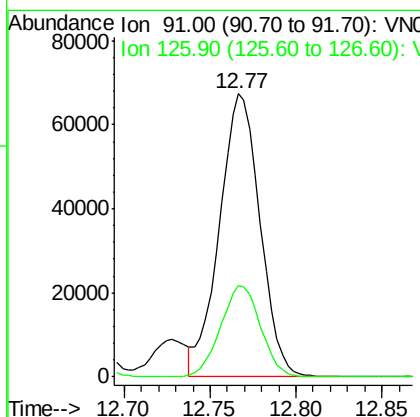
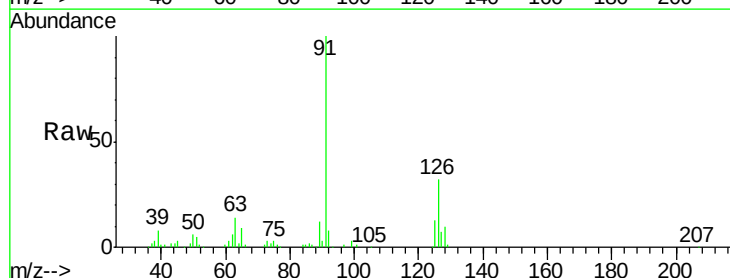
Manual Integrations
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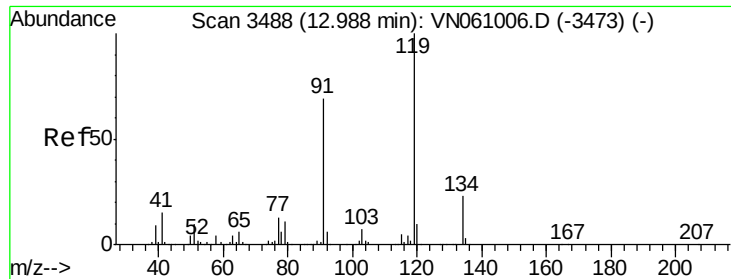
MMDadoda
4/21/2020 12:02:50 PM



#82
4-Chlorotoluene
Concen: 19.036 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6





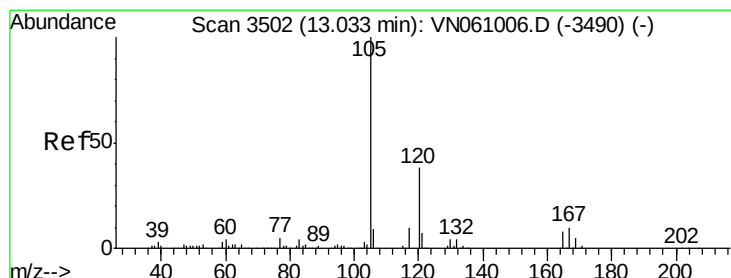
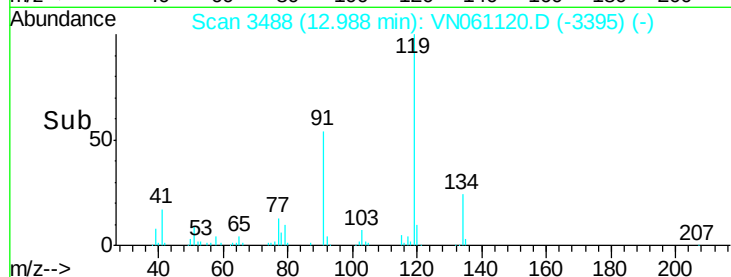
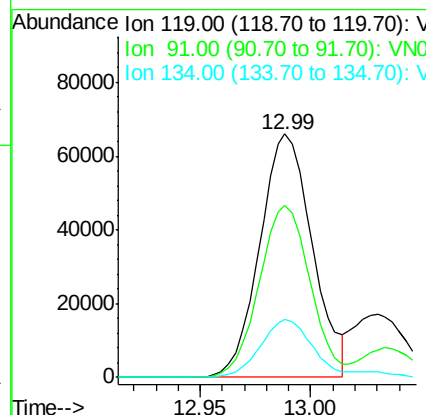
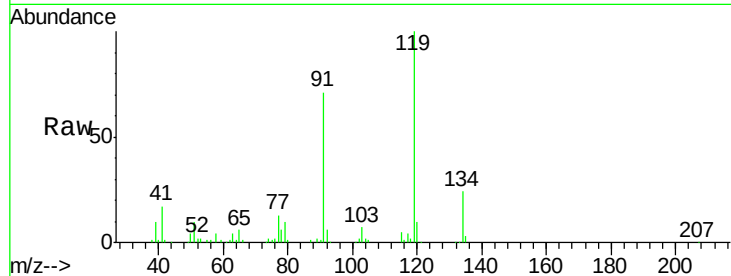
#83
tert-Butylbenzene
Concen: 19.105 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.1	102.3
134	23.7	12.4	37.2

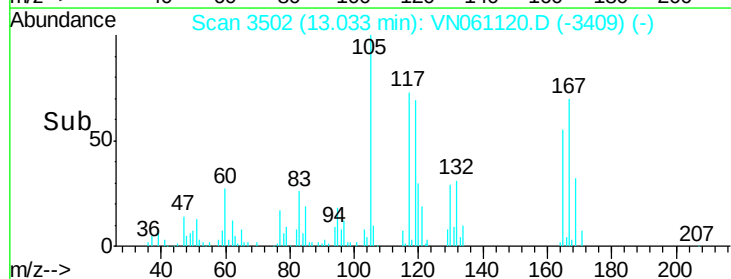
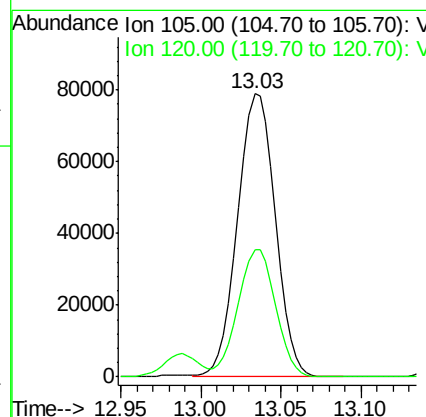
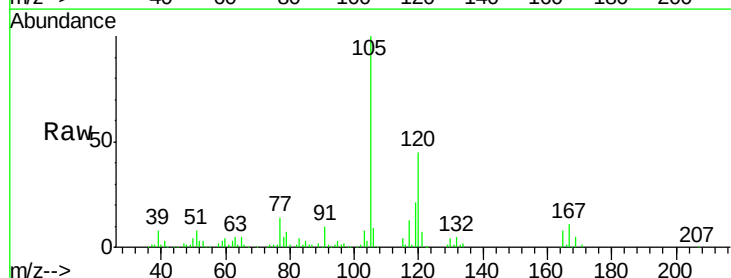
Manual Integrations
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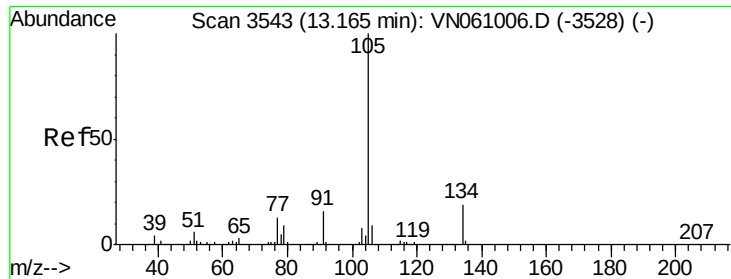
MMDadoda
4/21/2020 12:02:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.022 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.946 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS02

Tot Ion:105 Resp: 146100

Ion Ratio Lower Upper

105 100

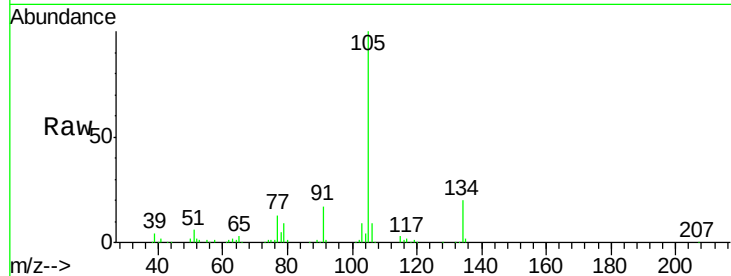
134 19.4 9.5 28.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

60000

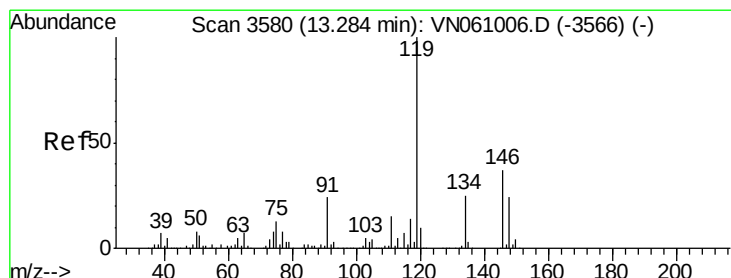
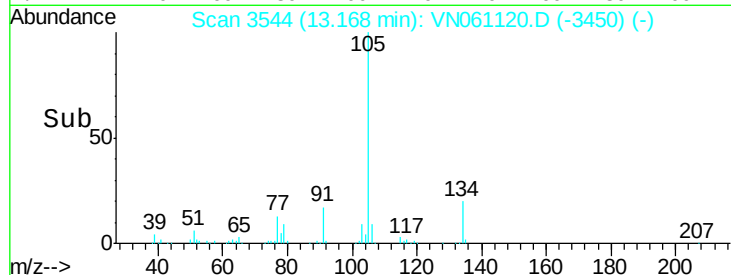
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 18.899 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

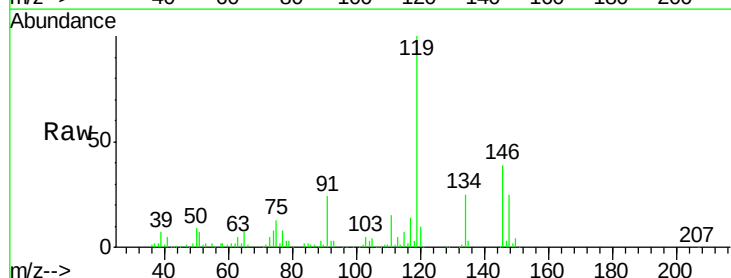
Tgt Ion:119 Resp: 129770

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 24.0 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

100000

80000

60000

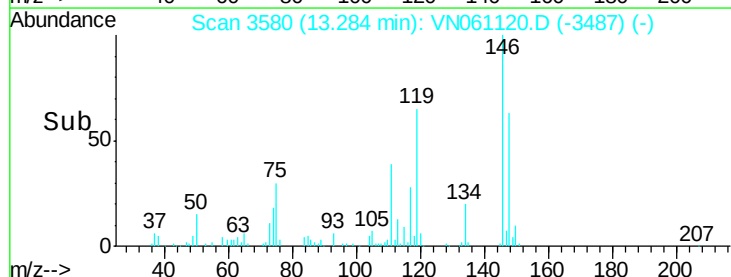
40000

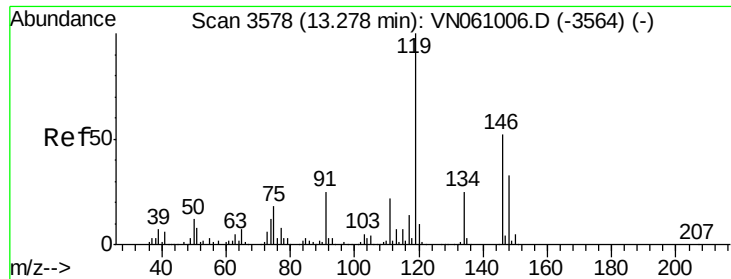
20000

0

13.20 13.25 13.30 13.35

Time-->





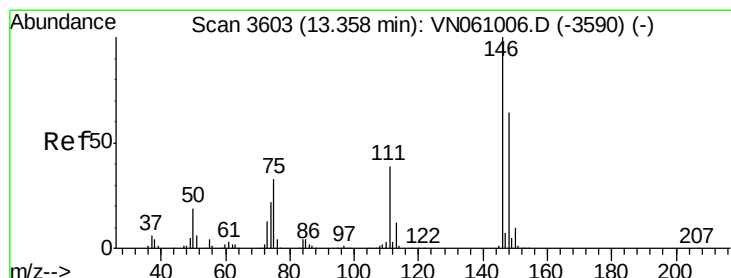
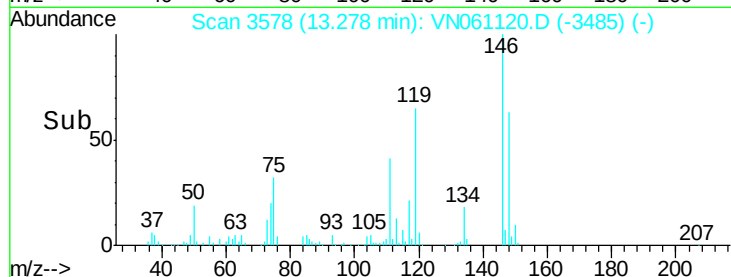
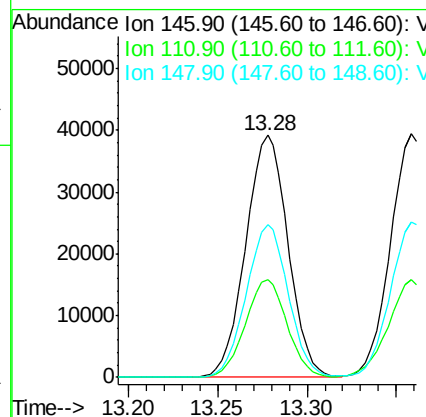
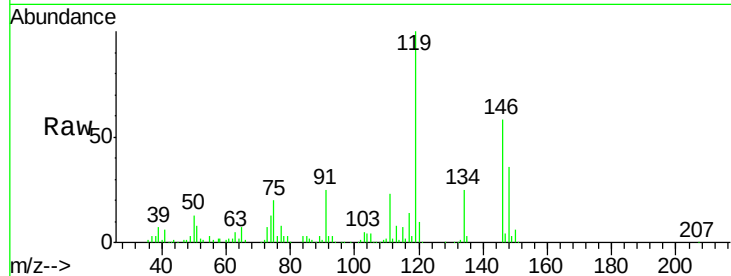
#87
 1,3-Dichlorobenzene
 Concen: 19.101 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	62.6	31.8	95.3

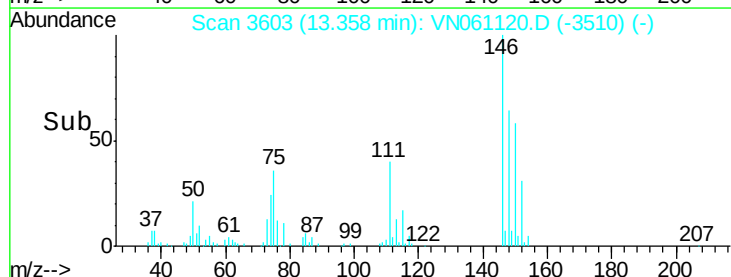
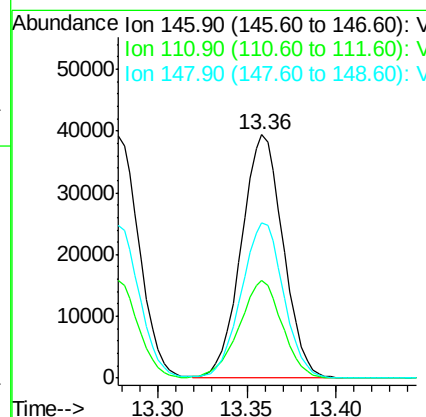
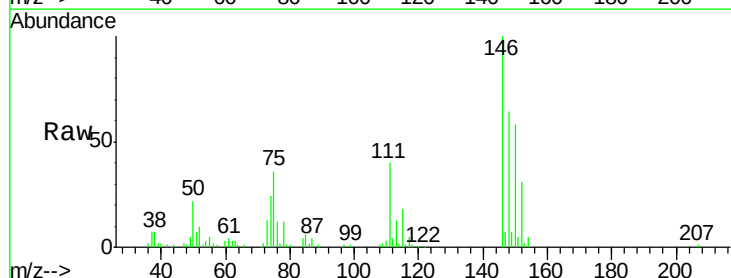
Manual Integrations
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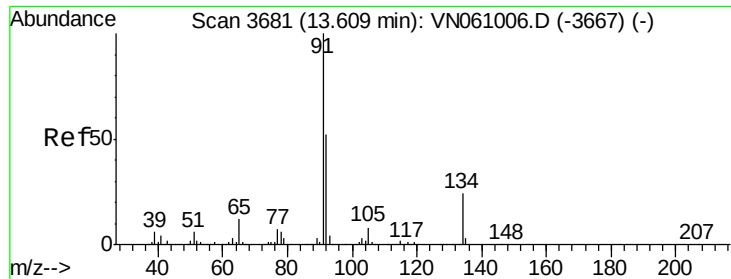
MMDadoda
 4/21/2020 12:02:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.851 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.3
148	64.4	32.1	96.3





#89

n-Butylbenzene

Concen: 18.169 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Instrument :

MSVOA_N

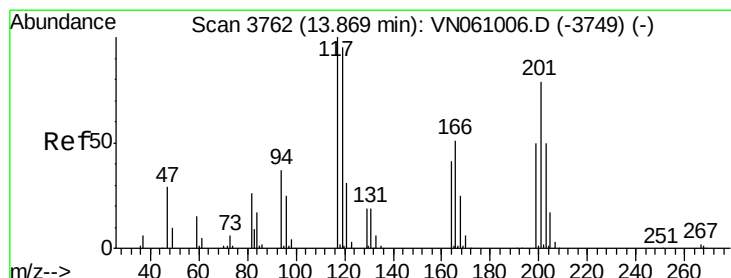
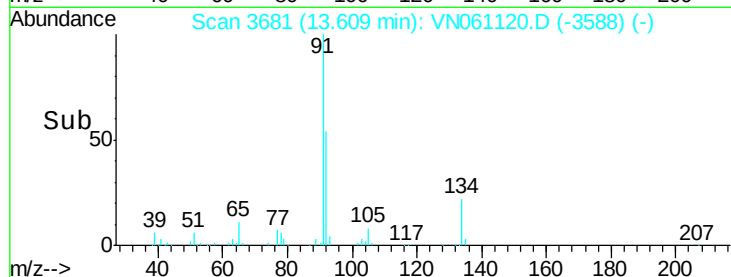
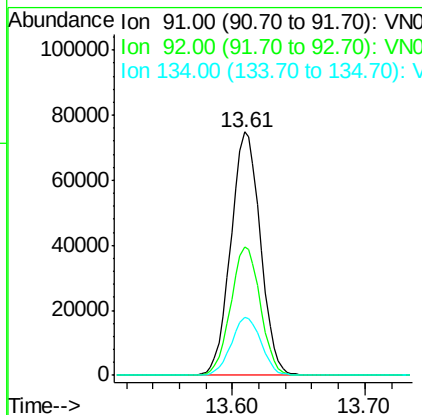
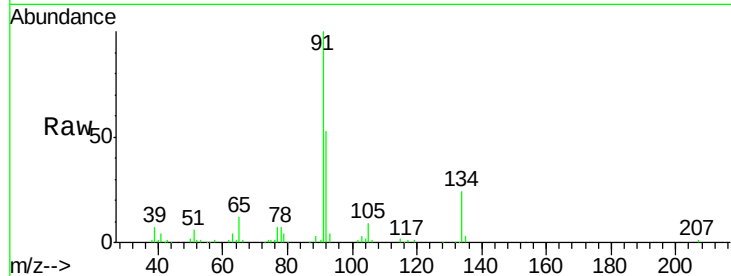
ClientSampleId :

VN0420WBS02

Tot Ion:	91	Resp:	116017
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.1	78.2
134	24.1	12.3	36.8

Manual Integrations
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4/21/2020 12:02:50 PM



#90

Hexachloroethane

Concen: 19.147 ug/l

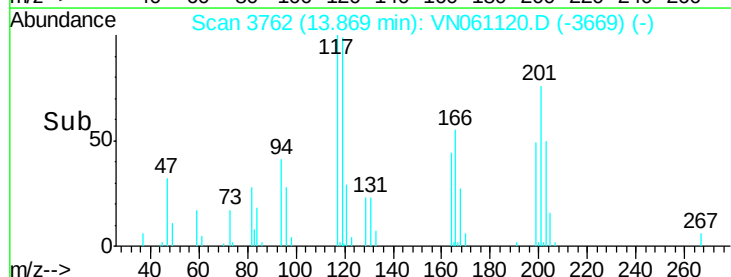
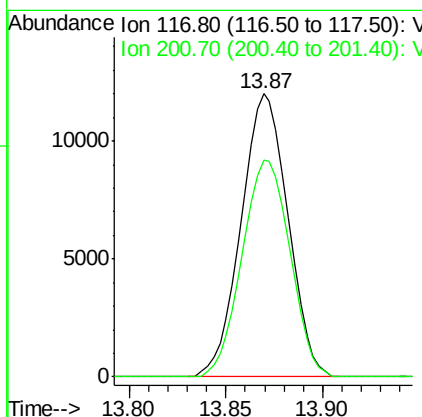
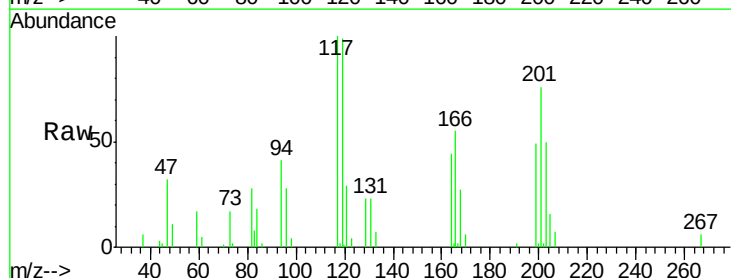
RT: 13.87 min Scan# 3762

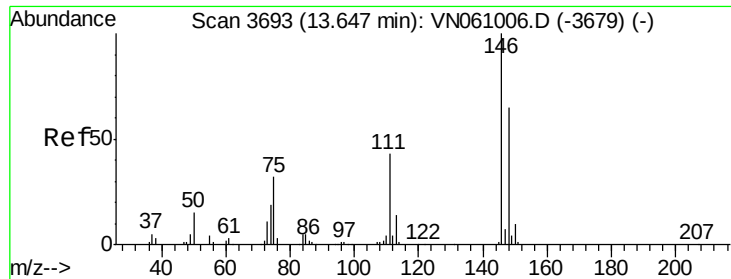
Delta R.T. 0.00 min

Lab File: VN061120.D

Acq: 20 Apr 2020 23:24

Tgt Ion:	117	Resp:	20171
Ion Ratio	Lower	Upper	
117	100		
201	78.4	39.3	117.9





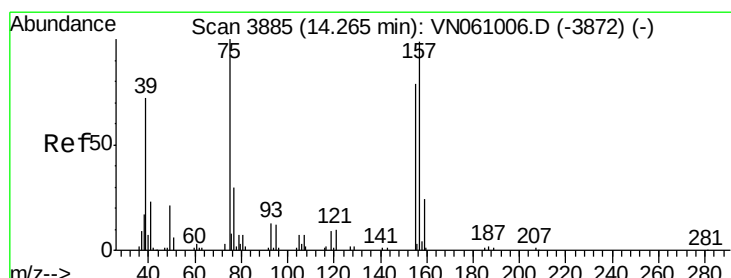
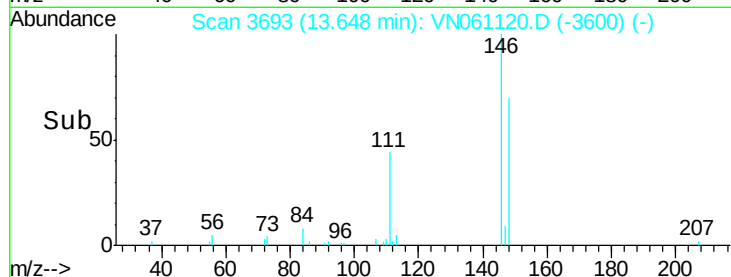
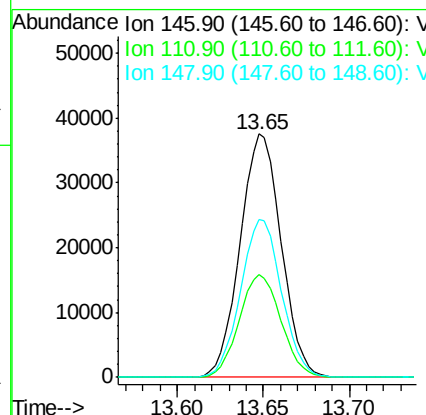
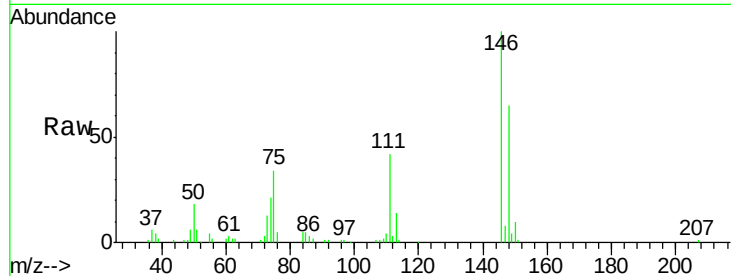
#91
 1,2-Dichlorobenzene
 Concen: 19.234 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	64.5	32.0	96.0

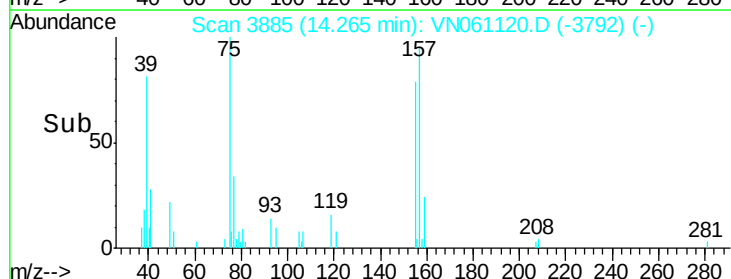
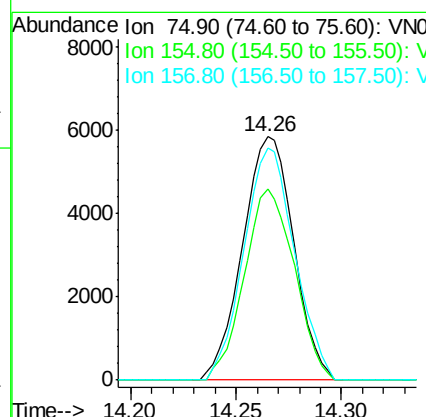
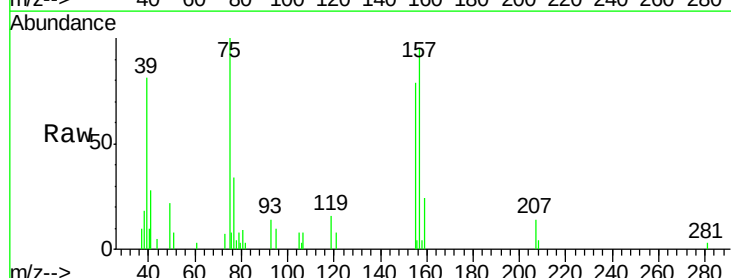
Manual Integrations
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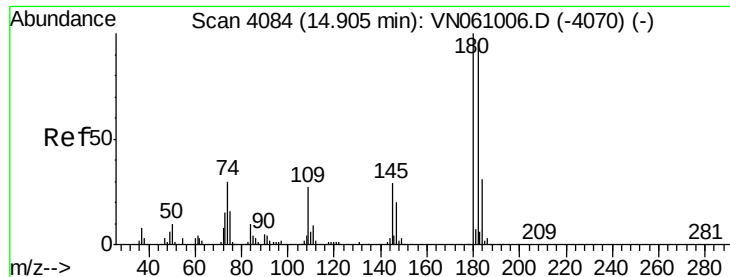
MMDadoda
 4/21/2020 12:02:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.301 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	39.5	118.5
157	94.7	50.1	150.4





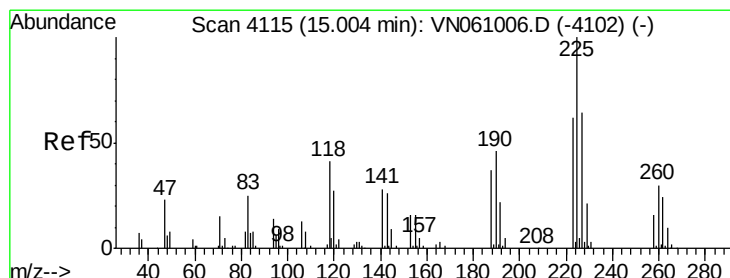
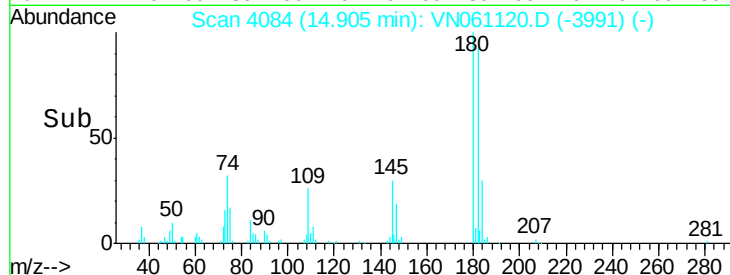
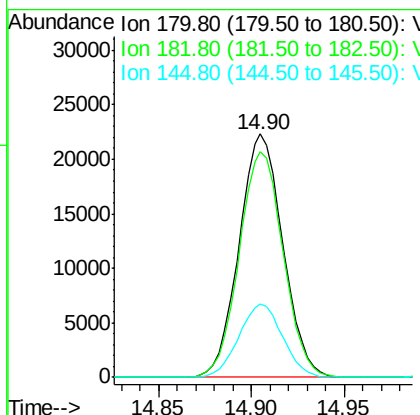
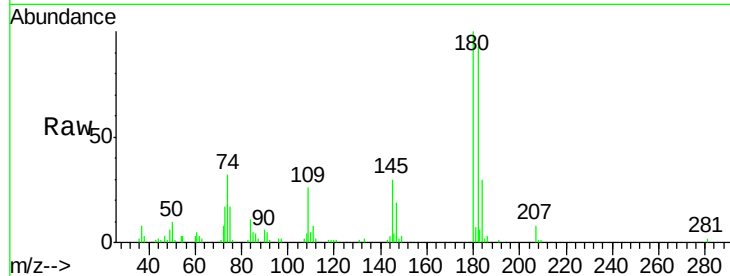
#93
 1,2,4-Trichlorobenzene
 Concen: 18.936 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	36441		
182	93.3	47.8	143.3	
145	30.2	15.3	45.8	

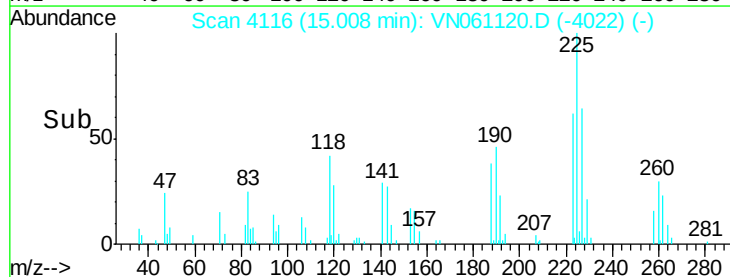
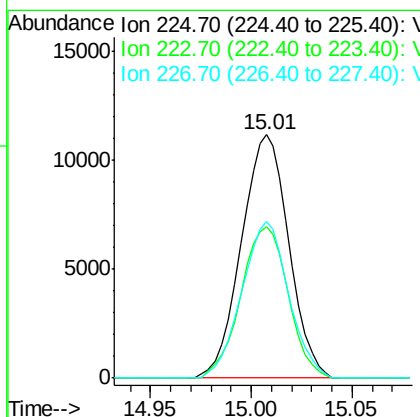
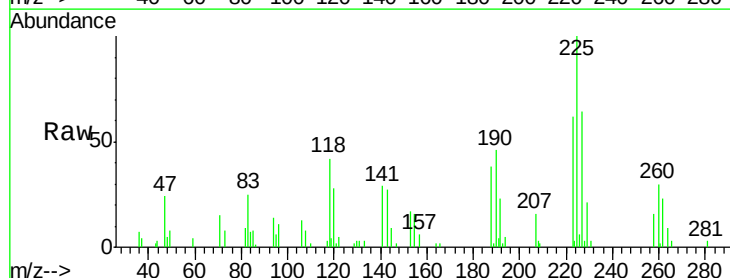
Manual Integrations
 APPROVED

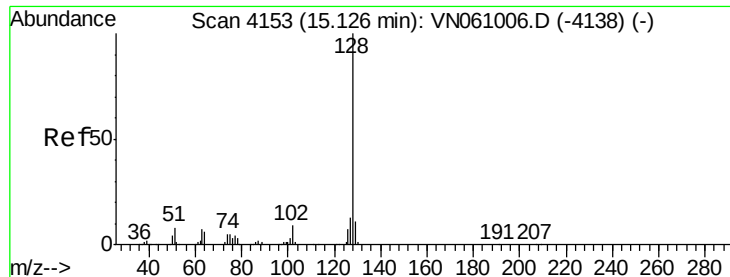
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 18.515 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061120.D
 Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18330		
223	62.1	31.3	93.8	
227	63.4	31.9	95.5	





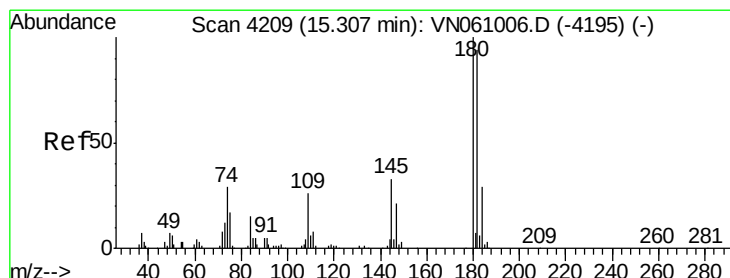
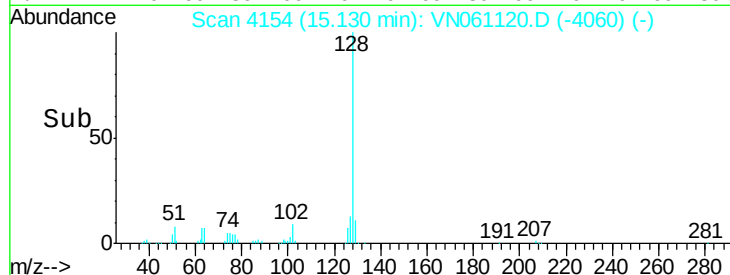
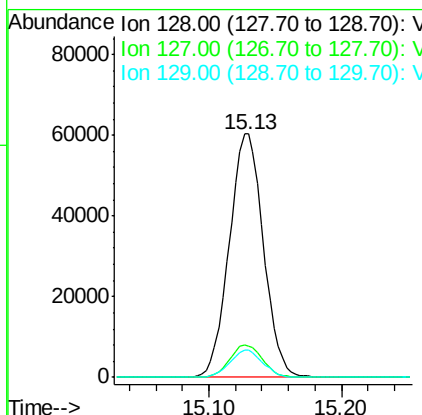
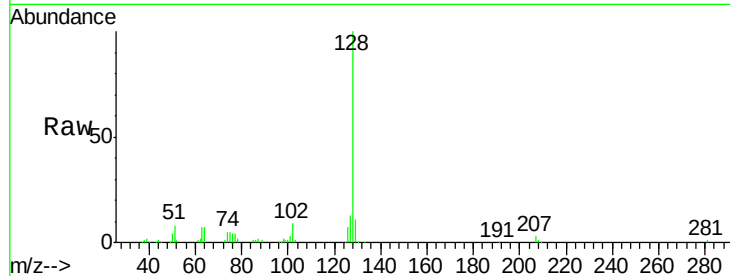
#95
Naphthalene
Concen: 19.179 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 19.386 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061120.D
Acq: 20 Apr 2020 23:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	33.1	16.4	49.2

