

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061094.D
 Acq On : 20 Apr 2020 12:25
 Operator : JC/MD
 Sample : VN0420WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:00:03 PM

Quant Time: Apr 21 04:17:00 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	160028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	267340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100111	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.56	113	77295	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.08	98	281918	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.39	95	109002	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	40440	19.345	ug/l 99
3) Chloromethane	2.04	50	53827	18.965	ug/l 99
4) Vinyl Chloride	2.17	62	45152	19.143	ug/l 100
5) Bromomethane	2.55	94	23264	19.668	ug/l 98
6) Chloroethane	2.69	64	27147	19.952	ug/l 98
7) Trichlorofluoromethane	3.00	101	59240	20.174	ug/l 97
8) Diethyl Ether	3.38	74	23073	19.770	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34024	19.749	ug/l 99
10) Methyl Iodide	3.93	142	30171	19.851	ug/l 98
11) Tert butyl alcohol	4.72	59	30180	83.078	ug/l # 86
12) 1,1-Dichloroethene	3.72	96	33818	19.311	ug/l 100
13) Acrolein	3.57	56	21840	71.203	ug/l 97
14) Allyl chloride	4.29	41	62610	18.896	ug/l 99
15) Acrylonitrile	4.94	53	93946	95.380	ug/l 99
16) Acetone	3.78	43	79978	88.747	ug/l 98
17) Carbon Disulfide	4.03	76	105485	19.250	ug/l 100
18) Methyl Acetate	4.28	43	53639	18.981	ug/l 100
19) Methyl tert-butyl Ether	5.00	73	116893	19.143	ug/l 98
20) Methylene Chloride	4.52	84	37585	19.102	ug/l 96
21) trans-1,2-Dichloroethene	5.01	96	36778	19.635	ug/l 96
22) Diisopropyl ether	5.91	45	133996	19.472	ug/l 98
23) Vinyl Acetate	5.85	43	509016	94.325	ug/l 100
24) 1,1-Dichloroethane	5.81	63	71763	19.308	ug/l 99
25) 2-Butanone	6.79	43	123895	89.717	ug/l 99
26) 2,2-Dichloropropane	6.79	77	60934	19.690	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	41807	19.442	ug/l 100
28) Bromochloromethane	7.17	49	33675	19.738	ug/l 99
29) Tetrahydrofuran	7.17	42	85075	90.745	ug/l 100
30) Chloroform	7.34	83	68213	19.677	ug/l 96
31) Cyclohexane	7.63	56	71211	18.671	ug/l 97
32) 1,1,1-Trichloroethane	7.54	97	58277	19.435	ug/l 98
36) 1,1-Dichloropropene	7.77	75	53263	19.307	ug/l 99
37) Ethyl Acetate	6.89	43	55926	18.670	ug/l 99
38) Carbon Tetrachloride	7.75	117	44890	19.549	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	65134	19.748	ug/l	100
40) Benzene	8.02	78	158567	19.375	ug/l	100
41) Methacrylonitrile	7.14	41	25524	20.429	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	55213	19.804	ug/l	100
43) Isopropyl Acetate	8.14	43	90805	18.639	ug/l	99
44) Trichloroethene	8.81	130	39761	19.335	ug/l	97
45) 1,2-Dichloropropane	9.10	63	43026	19.464	ug/l	100
46) Dibromomethane	9.19	93	24943	19.570	ug/l	99
47) Bromodichloromethane	9.38	83	52544	19.515	ug/l	99
48) Methyl methacrylate	9.18	41	39667	18.424	ug/l	97
49) 1,4-Dioxane	9.18	88	9676	332.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	260118	92.620	ug/l	100
52) Toluene	10.14	92	94918	19.332	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59895	19.151	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	65606	19.226	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	36436	19.610	ug/l	98
56) Ethyl methacrylate	10.42	69	54325	18.594	ug/l	99
57) 1,3-Dichloropropane	10.69	76	64899	19.582	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	119646	90.120	ug/l	99
59) 2-Hexanone	10.74	43	183559	90.629	ug/l	99
60) Dibromochloromethane	10.89	129	36740	19.249	ug/l	99
61) 1,2-Dibromoethane	10.99	107	36671	19.369	ug/l	99
64) Tetrachloroethene	10.62	164	37962	20.541	ug/l	97
65) Chlorobenzene	11.42	112	96470	19.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	34553	19.371	ug/l	100
67) Ethyl Benzene	11.50	91	181748	19.380	ug/l	100
68) m/p-Xylenes	11.61	106	130956	38.638	ug/l	99
69) o-Xylene	11.94	106	62636	19.221	ug/l	99
70) Styrene	11.96	104	100379	19.134	ug/l	99
71) Bromoform	12.12	173	25248	18.963	ug/l #	97
73) Isopropylbenzene	12.24	105	170835	19.210	ug/l	99
74) N-amyl acetate	12.06	43	74117	17.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	50781	18.706	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	44376m	18.175	ug/l	
77) Bromobenzene	12.52	156	39312	18.933	ug/l	99
78) n-propylbenzene	12.59	91	202364	19.450	ug/l	100
79) 2-Chlorotoluene	12.67	91	119260	19.544	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	143417	19.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17473	17.652	ug/l	100
82) 4-Chlorotoluene	12.77	91	121383	19.179	ug/l	100
83) tert-Butylbenzene	12.99	119	119376	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	142723	19.643	ug/l	100
85) sec-Butylbenzene	13.17	105	163767	19.552	ug/l	99
86) p-Isopropyltoluene	13.28	119	144843	19.420	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	70713	19.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	70008	18.806	ug/l	99
89) n-Butylbenzene	13.61	91	132421	19.092	ug/l	100
90) Hexachloroethane	13.87	117	21786	19.038	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	66843	18.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	9583	18.240	ug/l	96

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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)
93) 1,2,4-Trichlorobenzene	14.90	180	39471	18.883	ug/l	98
94) Hexachlorobutadiene	15.01	225	21148	19.666	ug/l	97
95) Naphthalene	15.13	128	108682	17.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	38238	18.982	ug/l	98

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

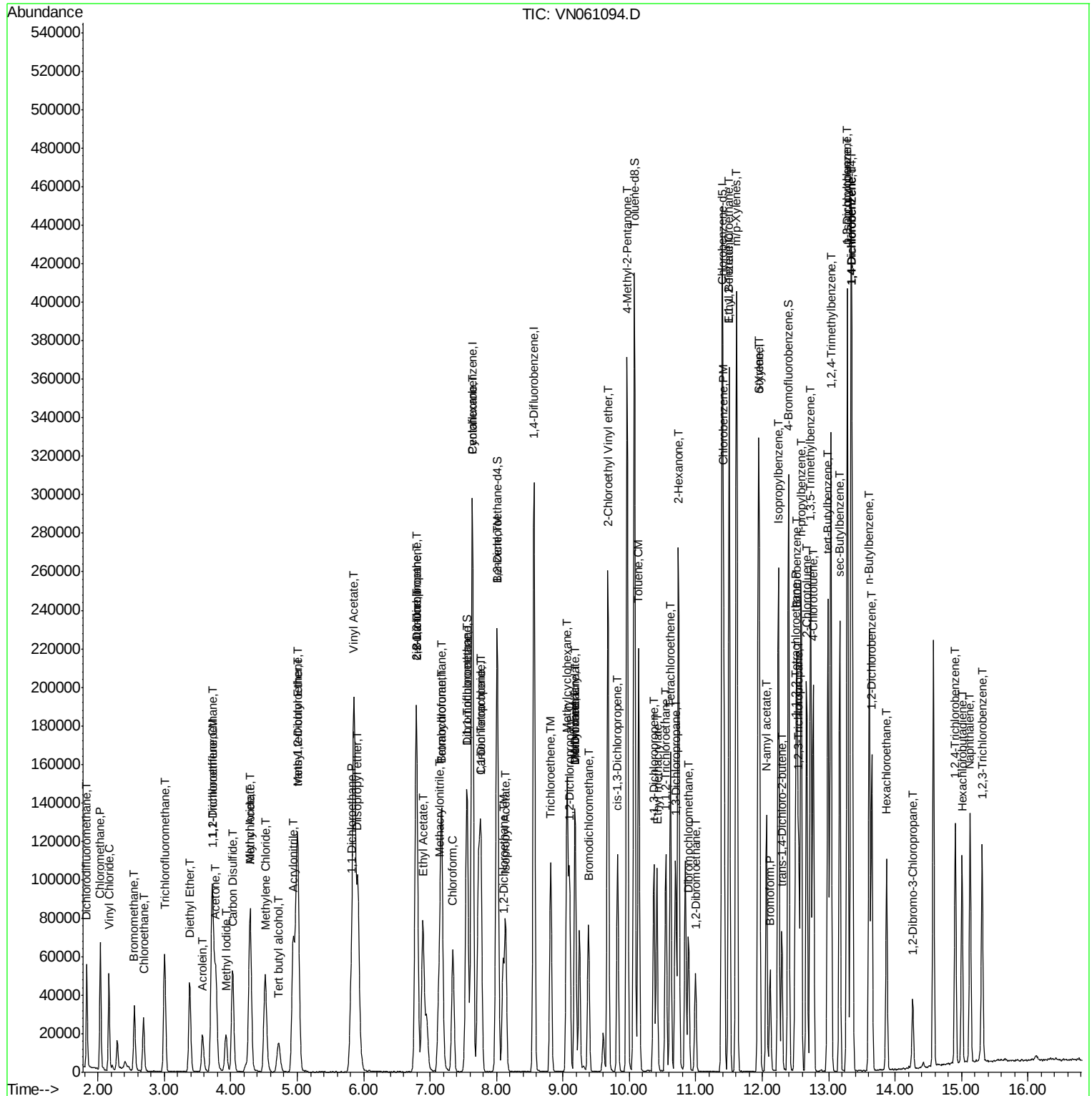
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
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Operator : JC/MD
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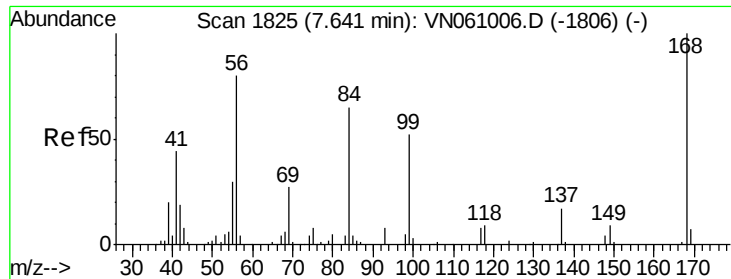
Instrument :
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ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion:168 Resp: 160028

Ion Ratio Lower Upper

168 100

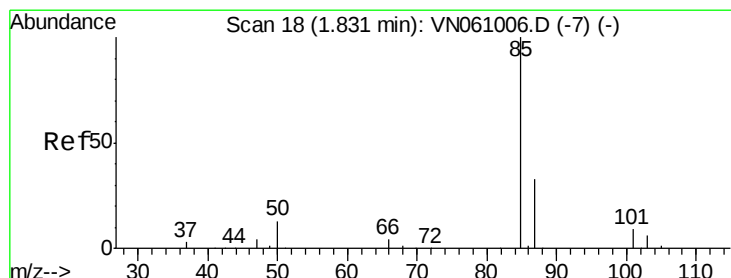
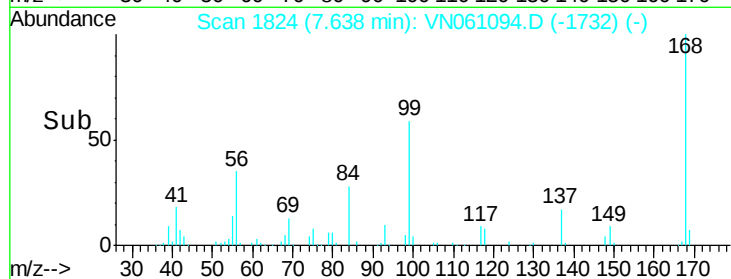
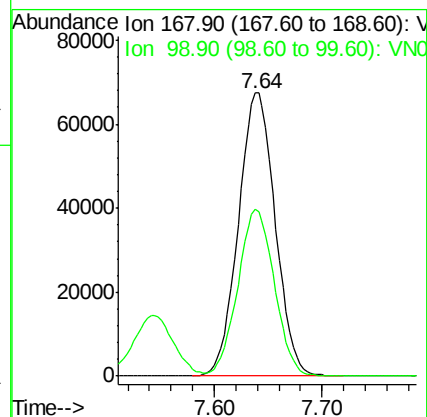
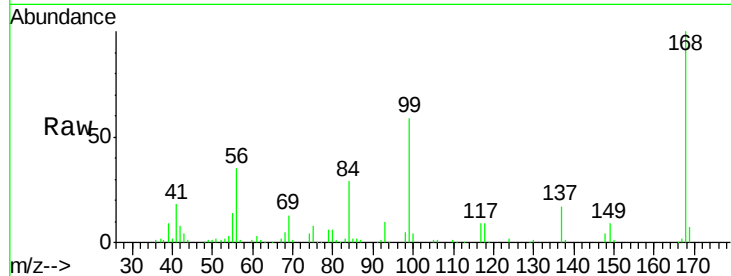
99 58.9 47.4 71.2

Manual Integrations

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4/21/2020 12:00:03 PM



#2

Dichlorodifluoromethane

Concen: 19.345 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061094.D

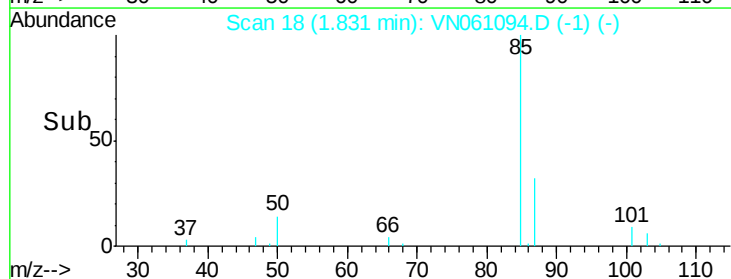
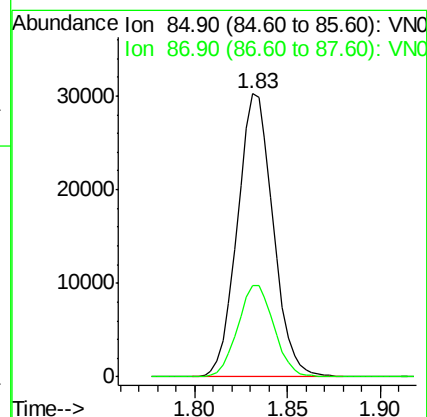
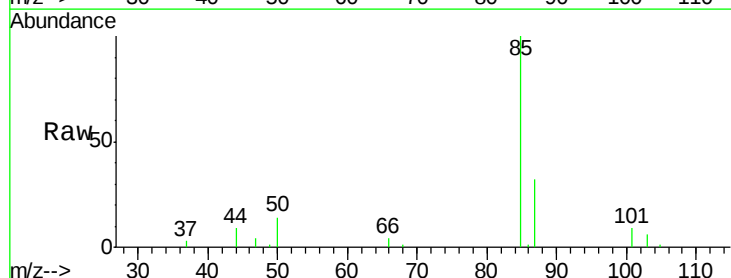
Acq: 20 Apr 2020 12:25

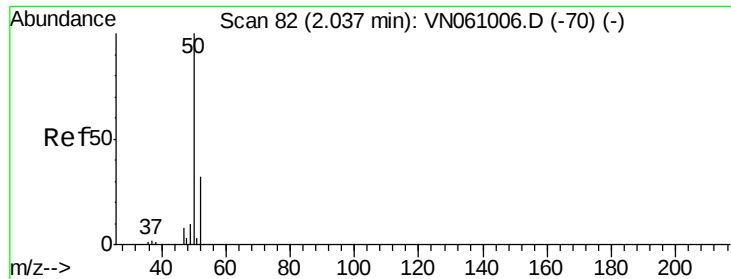
Tgt Ion: 85 Resp: 40440

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9





#3

Chloromethane

Concen: 18.965 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion: 50 Resp: 53827

Ion Ratio Lower Upper

50 100

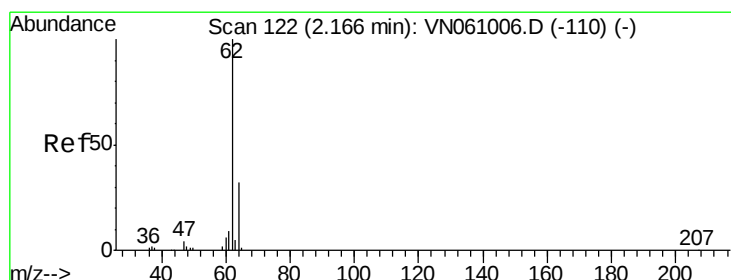
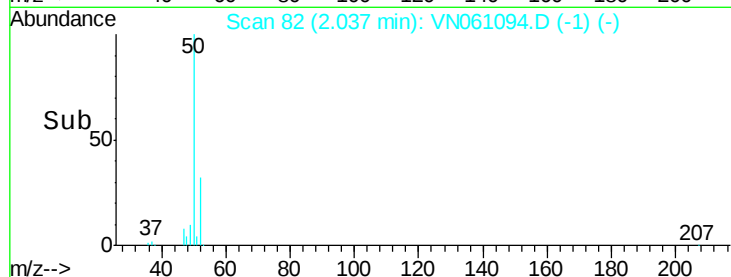
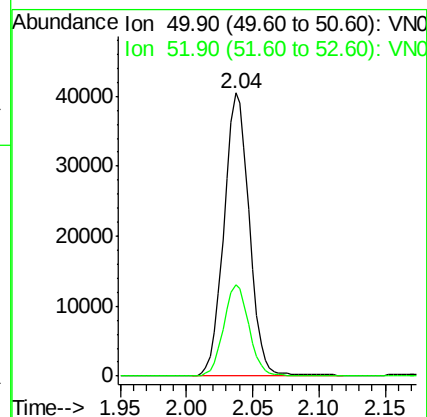
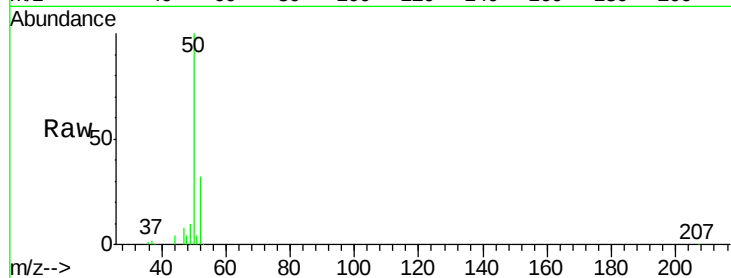
52 32.4 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.143 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN061094.D

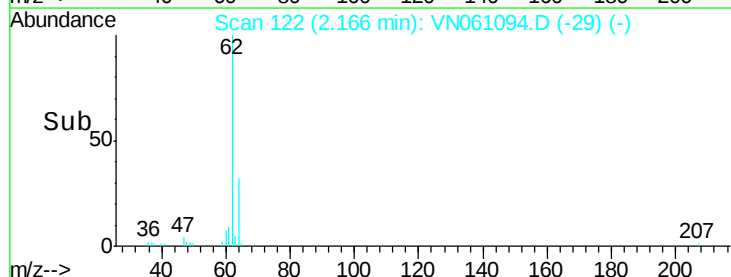
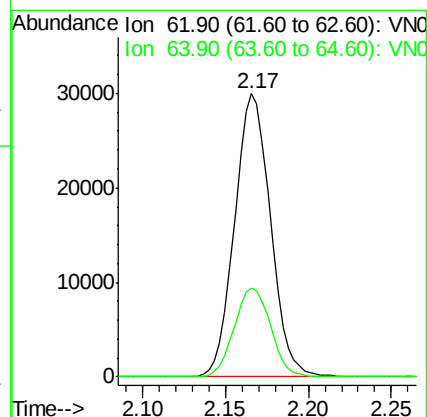
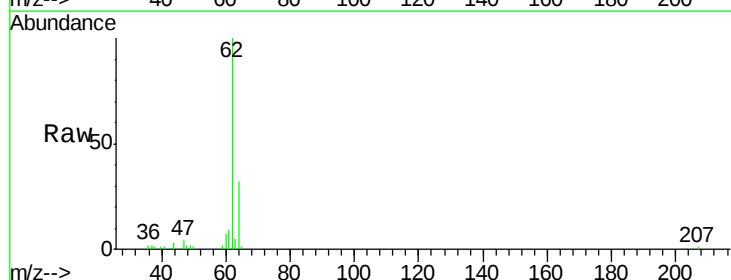
Acq: 20 Apr 2020 12:25

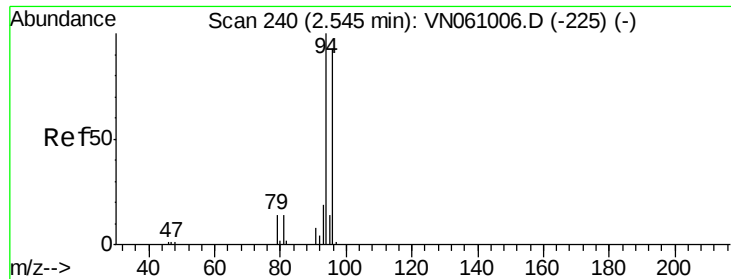
Tgt Ion: 62 Resp: 45152

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 19.668 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

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Tot Ion: 94 Resp: 23264

Ion Ratio Lower Upper

94 100

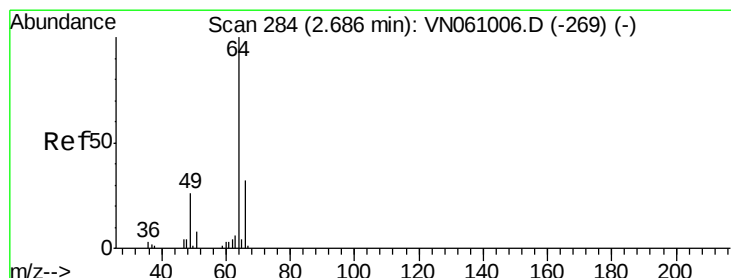
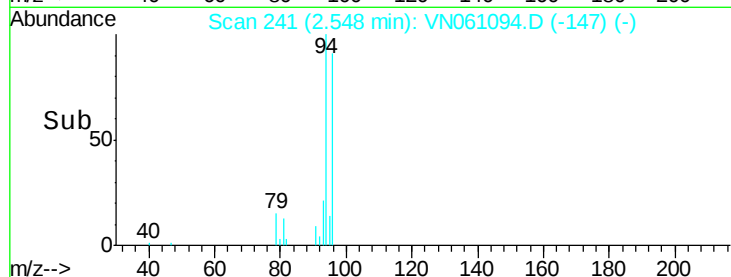
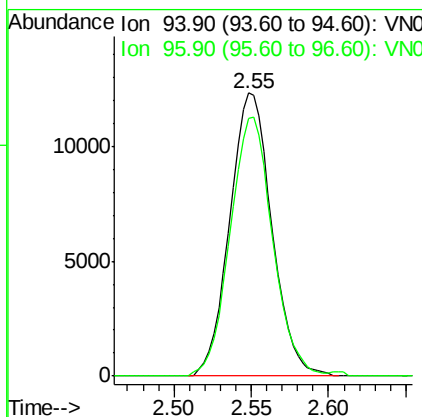
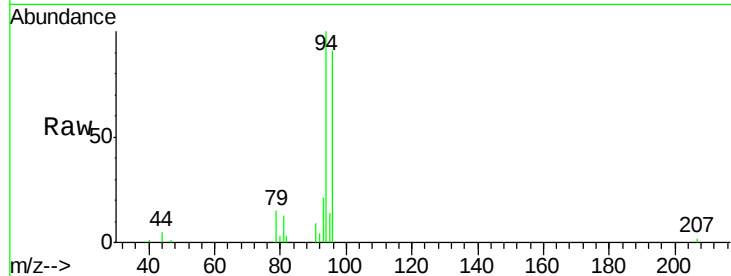
96 90.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 19.952 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN061094.D

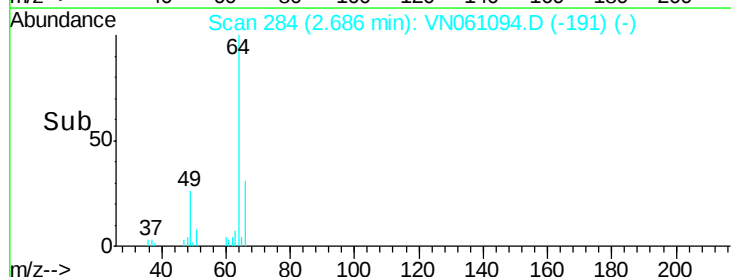
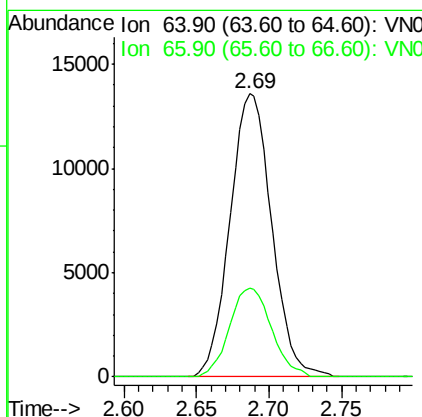
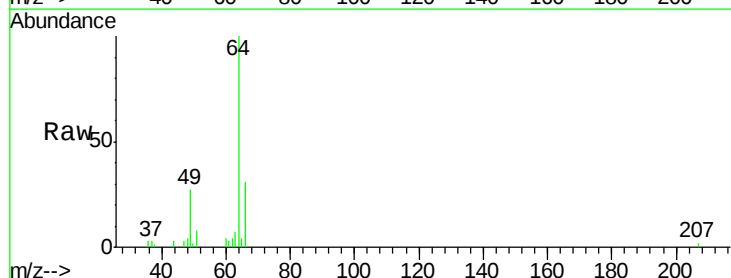
Acq: 20 Apr 2020 12:25

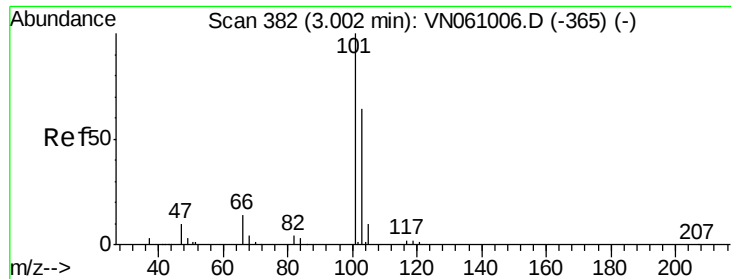
Tgt Ion: 64 Resp: 27147

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.8





#7

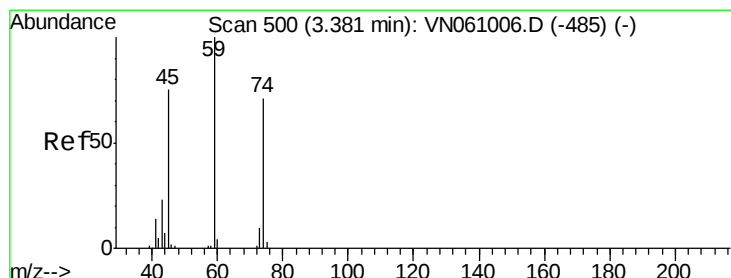
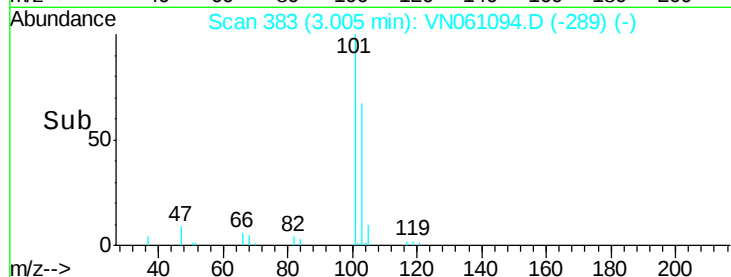
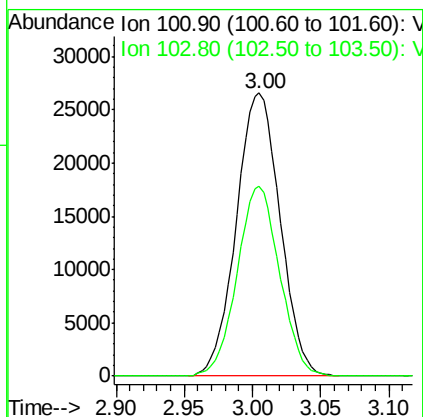
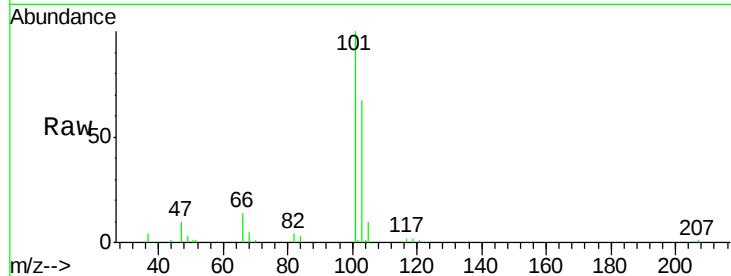
Trichlorofluoromethane
 Concen: 20.174 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

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 VN0420WBS01

Tot Ion:101 Resp: 59240
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.4 77.2

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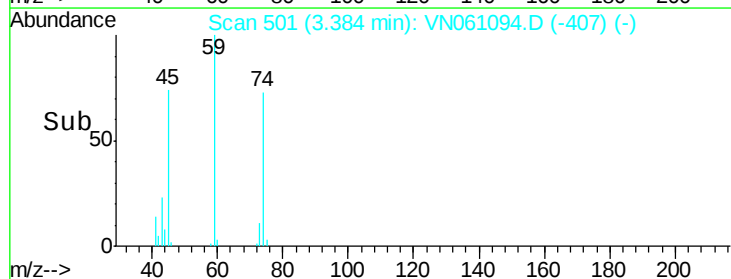
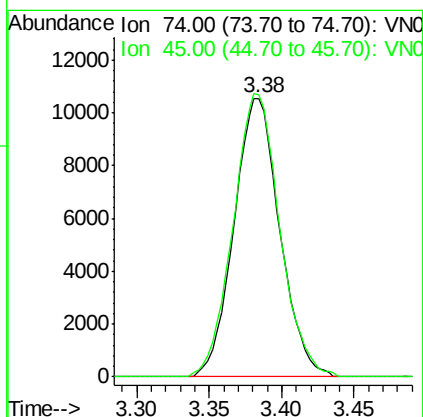
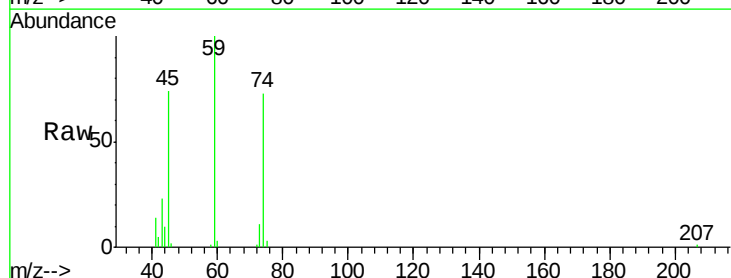
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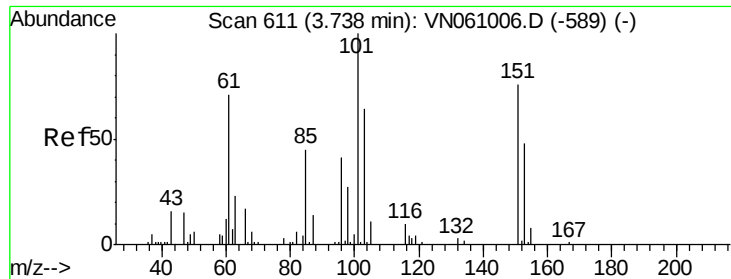


#8

Diethyl Ether
 Concen: 19.770 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061094.D
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Tgt Ion: 74 Resp: 23073
 Ion Ratio Lower Upper
 74 100
 45 104.1 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.749 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

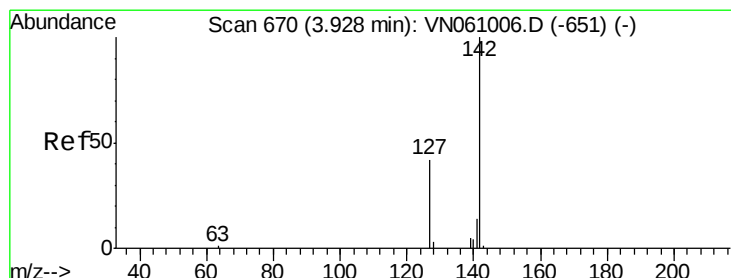
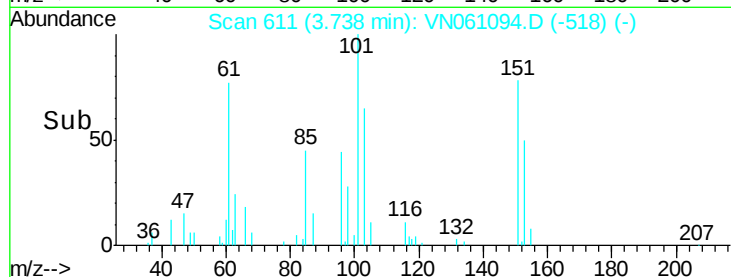
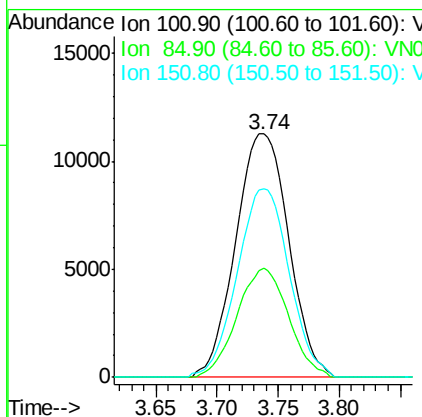
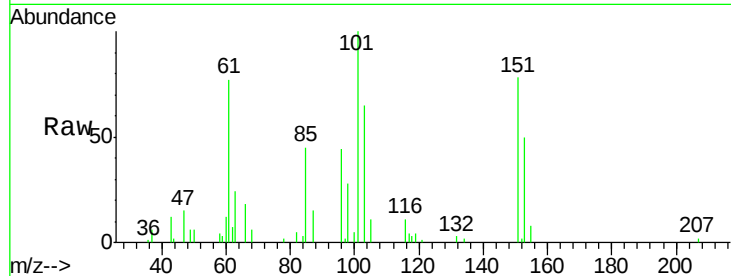
ClientSampled :

VN0420WBS01

Tot Ion:	101	Resp:	34024
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.9	53.9
151	76.1	60.8	91.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.851 ug/l

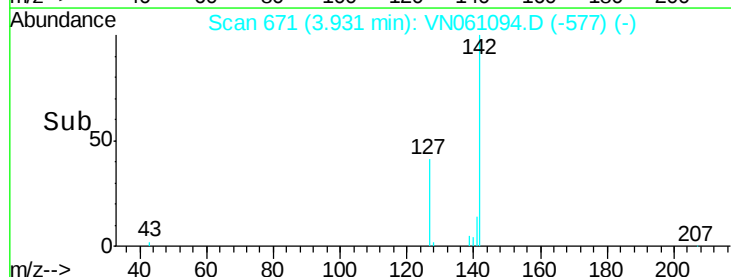
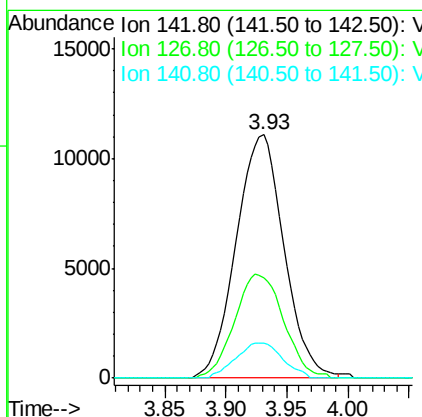
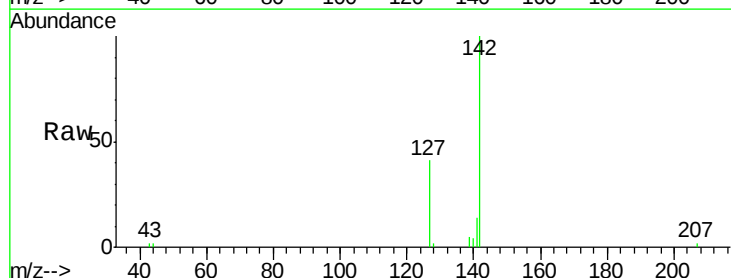
RT: 3.93 min Scan# 671

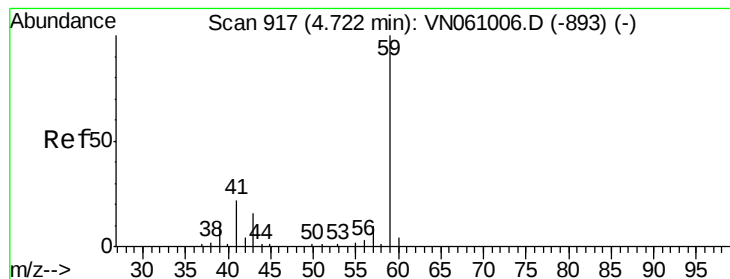
Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:	142	Resp:	30171
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.4	50.2
141	14.1	11.0	16.6





#11

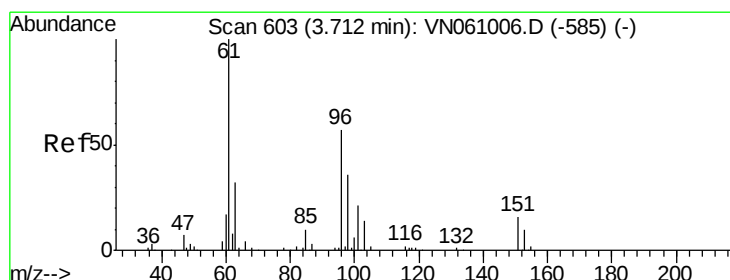
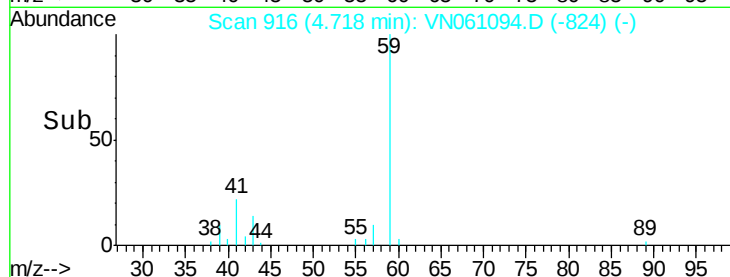
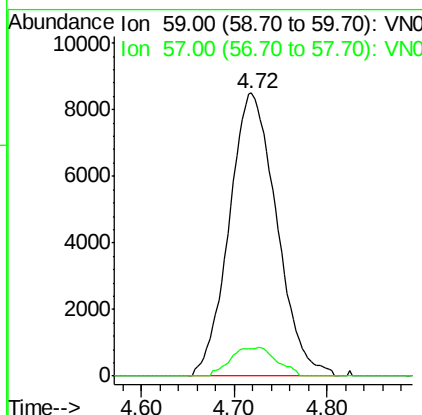
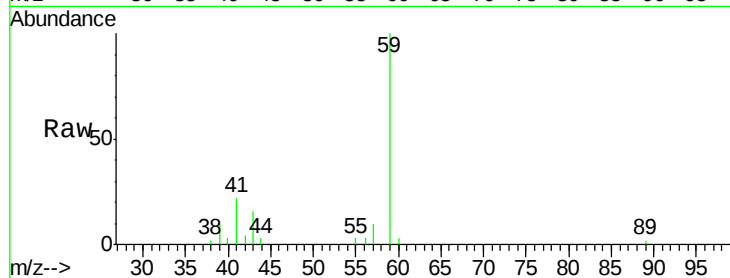
Tert butyl alcohol
 Concen: 83.078 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30180		
57	4.8		8.1	12.1#

Manual Integrations
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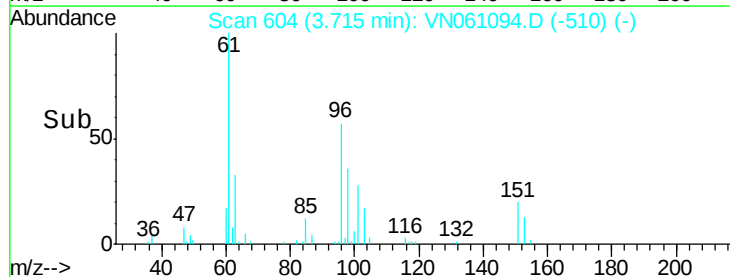
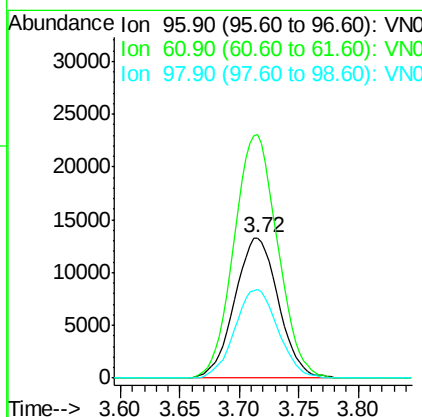
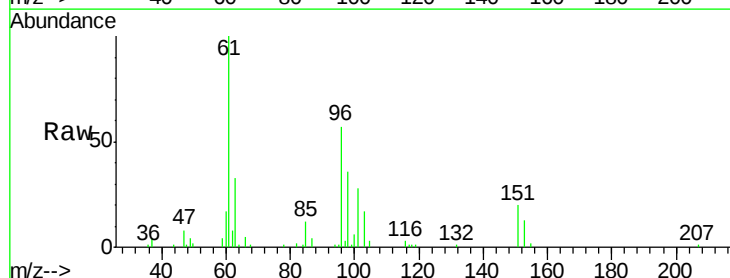
MMDadoda
 4/21/2020 12:00:03 PM

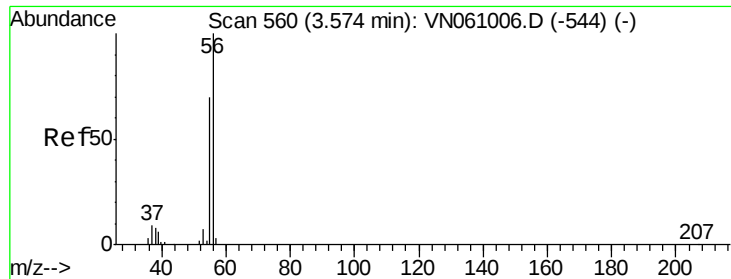


#12

1,1-Dichloroethene
 Concen: 19.311 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	33818		
61	174.0		139.2	208.8
98	63.4		50.0	75.0





#13

Acrolein

Concen: 71.203 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0420WBS01

Tot Ion: 56 Resp: 21840

Ion Ratio Lower Upper

56 100

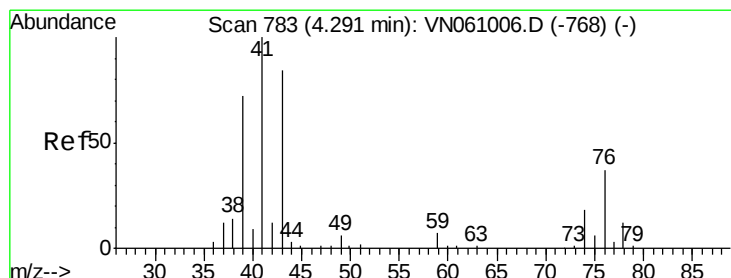
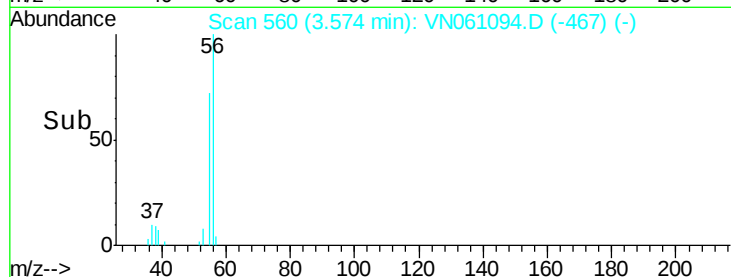
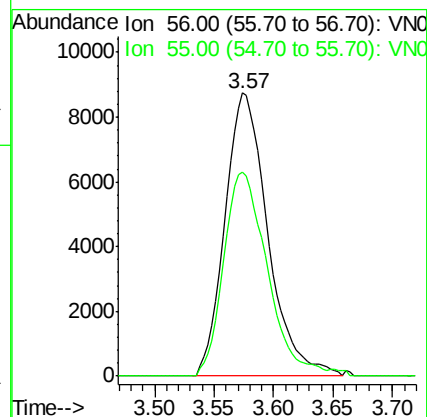
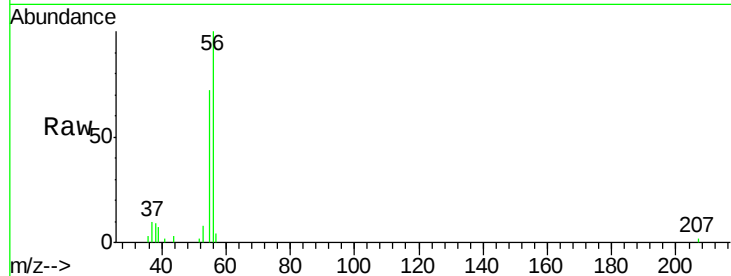
55 73.9 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.896 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

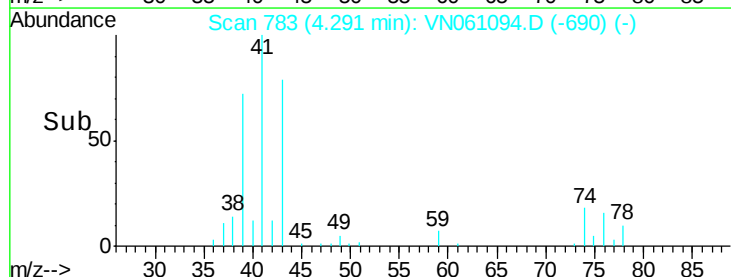
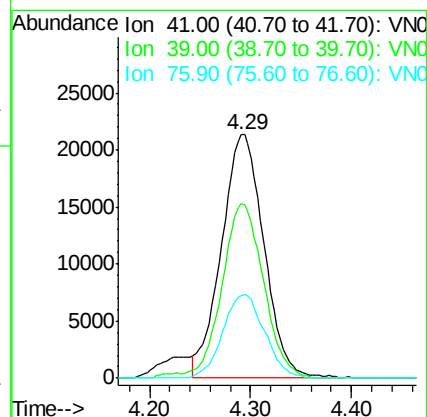
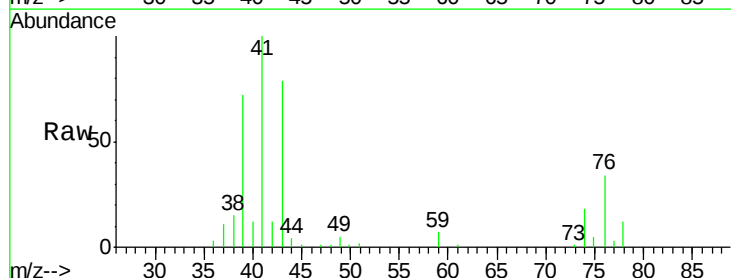
Tgt Ion: 41 Resp: 62610

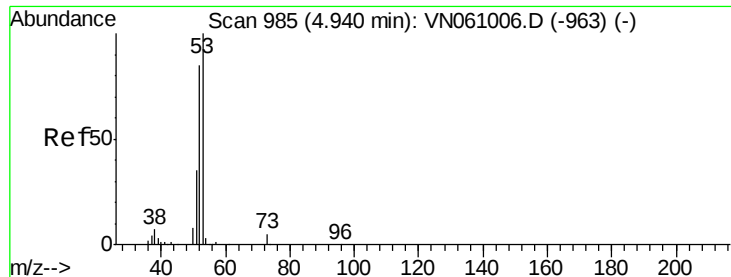
Ion Ratio Lower Upper

41 100

39 70.8 56.3 84.5

76 33.6 27.7 41.5





#15

Acrylonitrile

Concen: 95.380 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

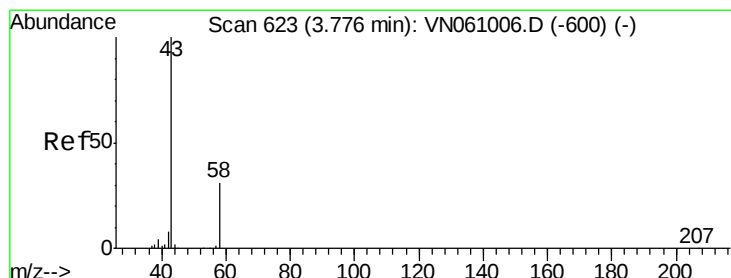
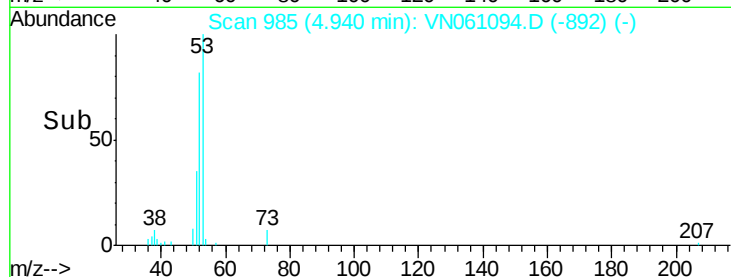
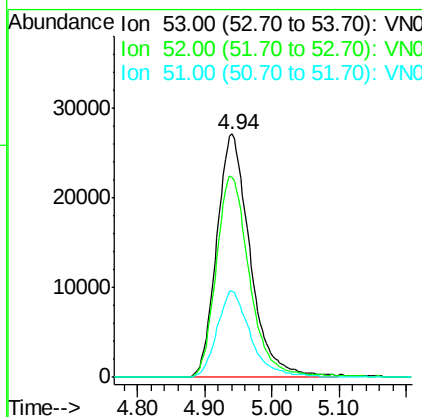
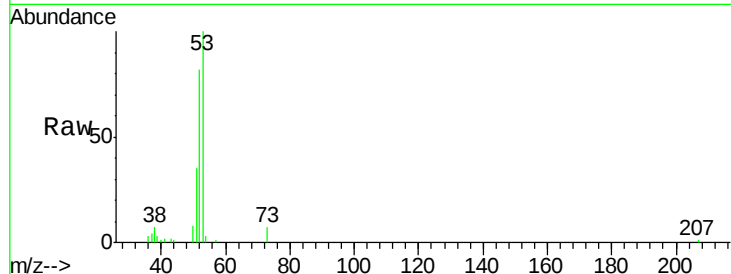
ClientSampleId :

VN0420WBS01

Tot Ion:	53	Resp:	93946
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	35.6	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 88.747 ug/l

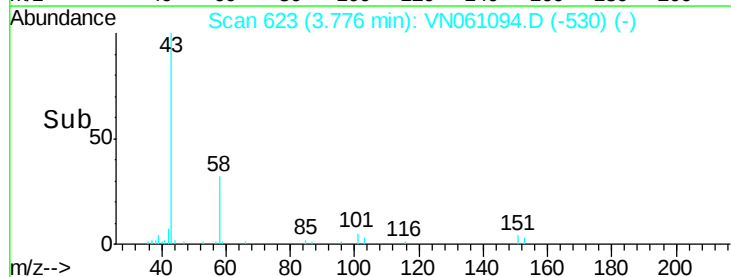
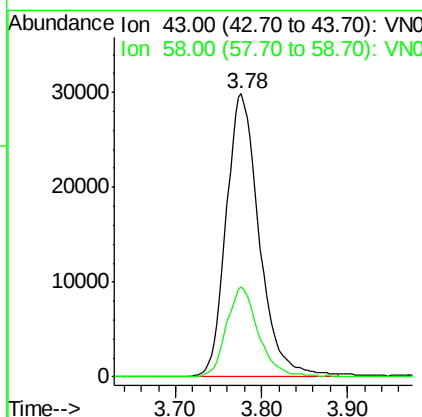
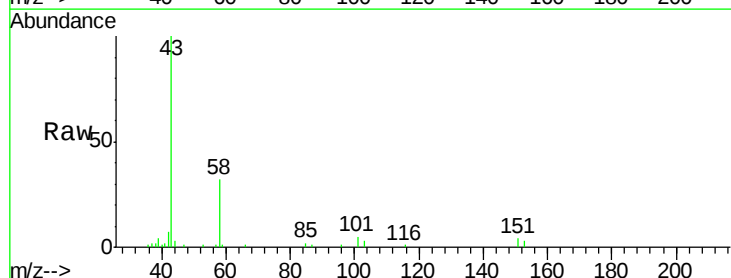
RT: 3.78 min Scan# 623

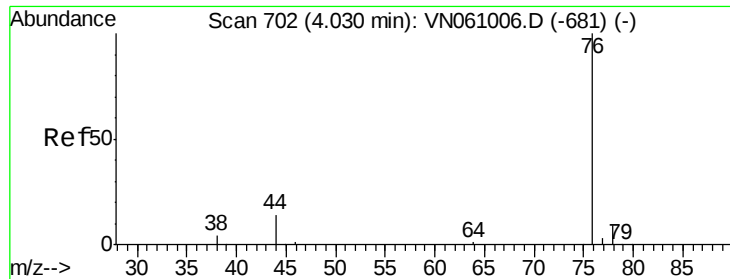
Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:	43	Resp:	79978
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.6	37.0





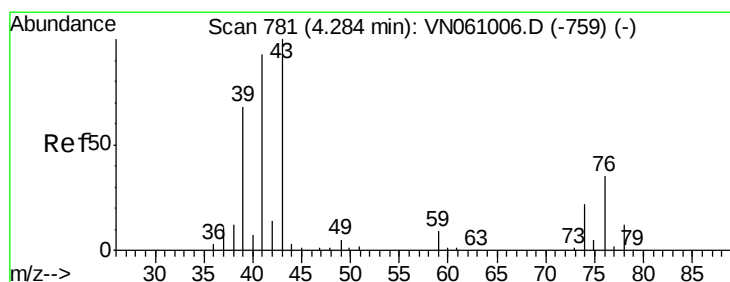
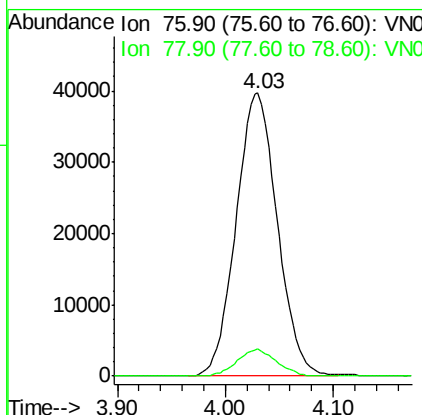
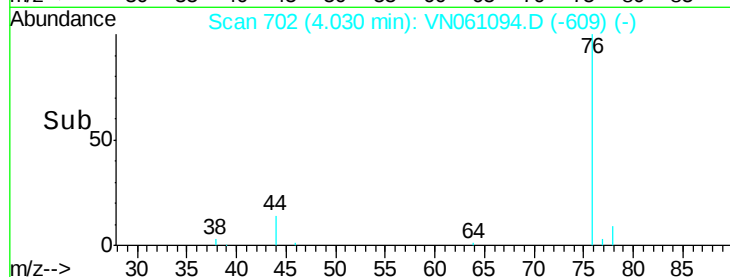
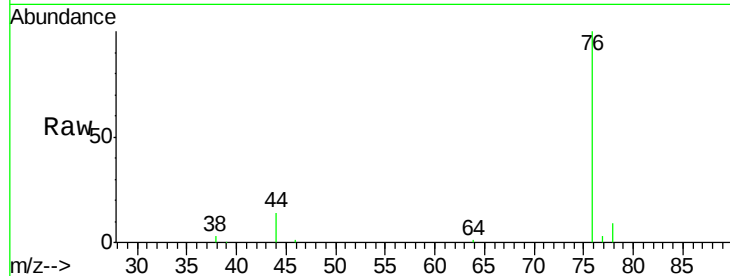
#17
Carbon Disulfide
Concen: 19.250 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

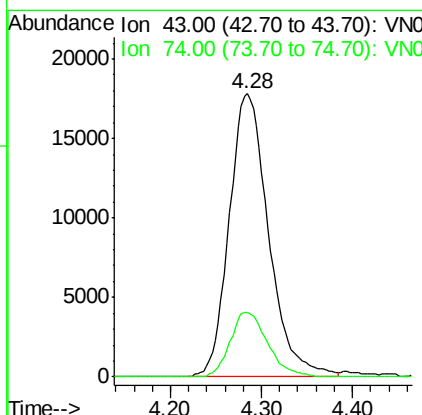
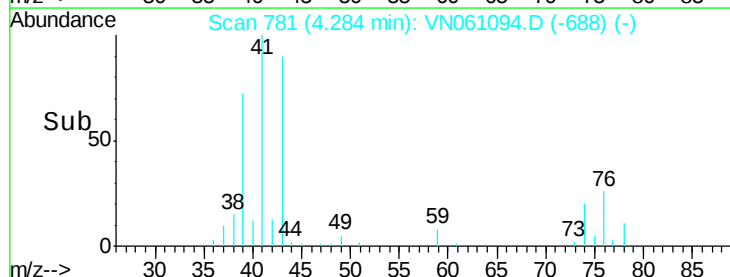
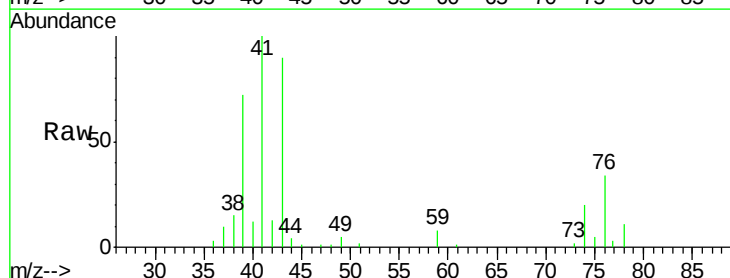
Manual Integrations
APPROVED

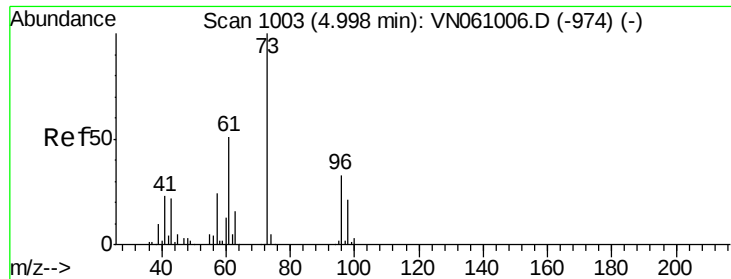
MMDadoda
4/21/2020 12:00:03 PM



#18
Methyl Acetate
Concen: 18.981 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.4	26.0





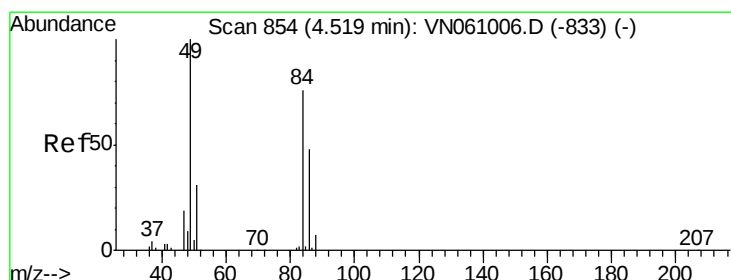
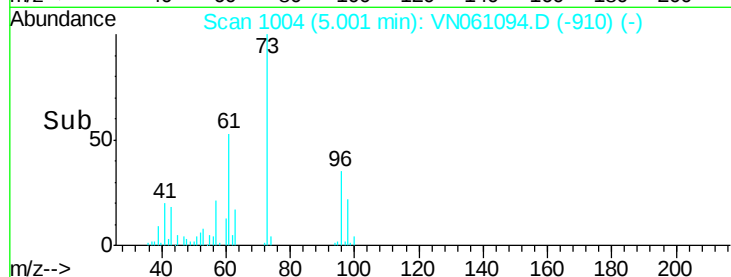
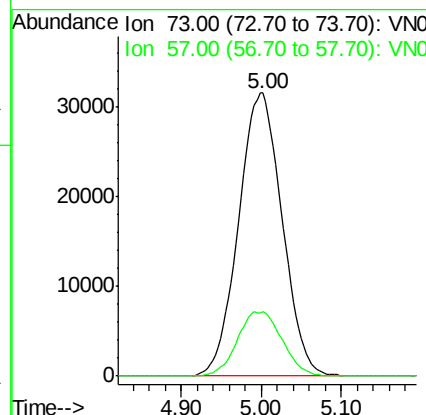
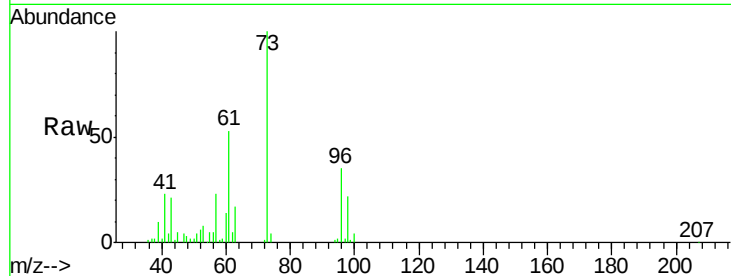
#19
Methvl tert-butvl Ether
Concen: 19.143 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 73 Resp: 116893
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.4

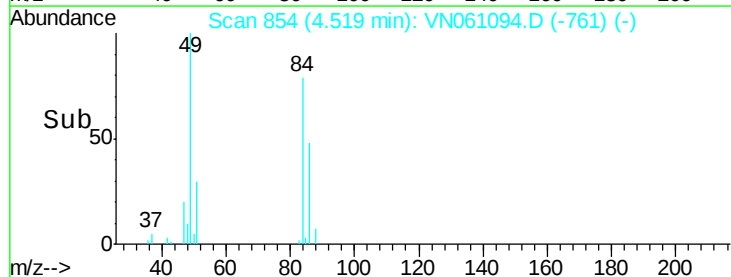
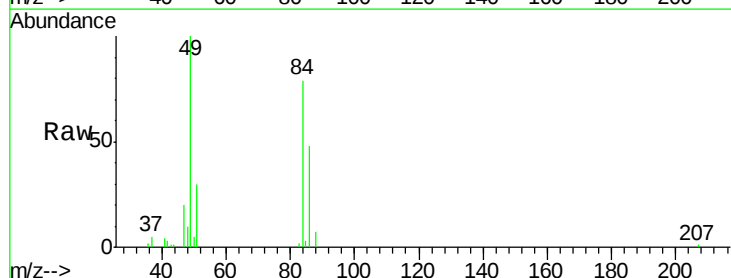
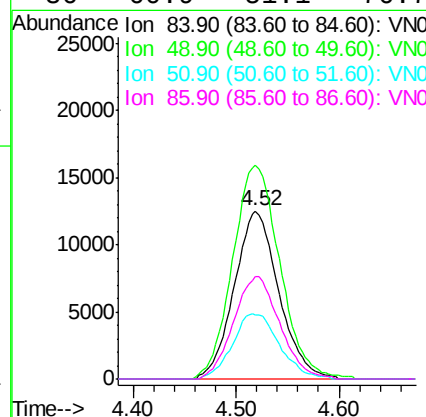
Manual Integrations
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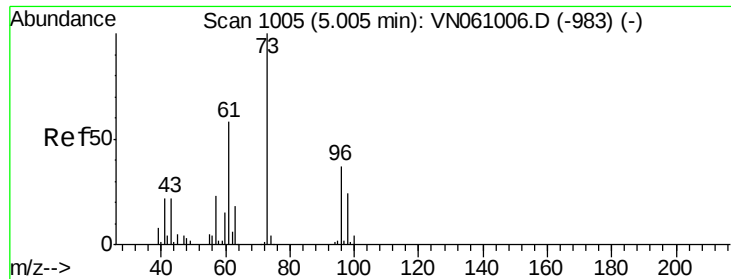
MMDadoda
4/21/2020 12:00:03 PM



#20
Methylene Chloride
Concen: 19.102 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 84 Resp: 37585
Ion Ratio Lower Upper
84 100
49 127.2 105.8 158.6
51 38.5 32.4 48.6
86 60.9 51.1 76.7





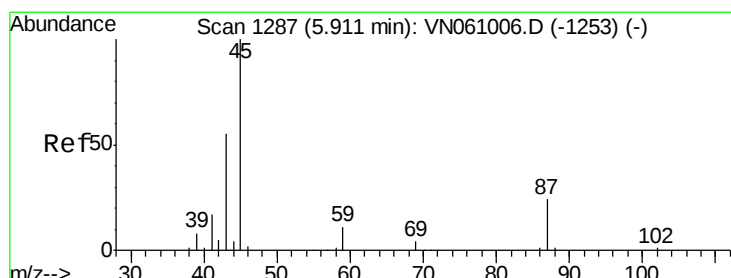
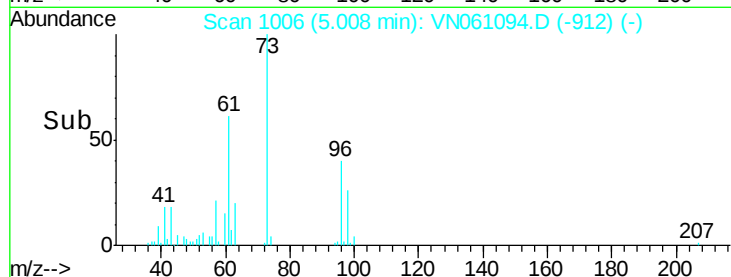
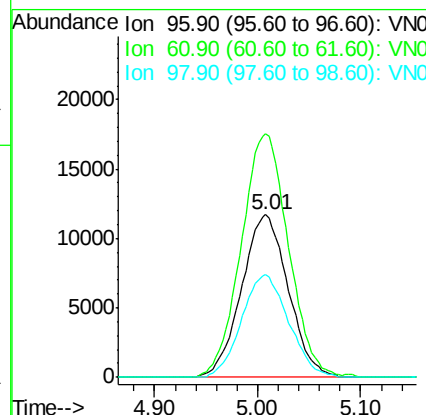
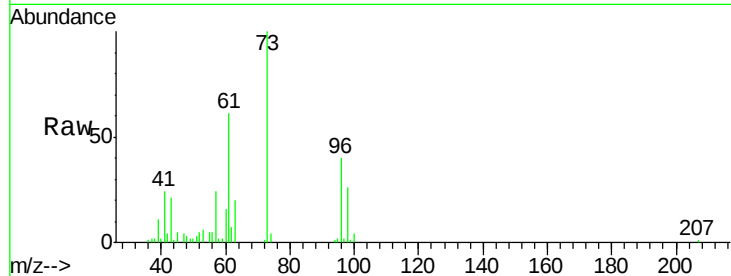
#21
trans-1,2-Dichloroethene
Concen: 19.635 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	124.8	187.2
98	63.1	51.3	76.9

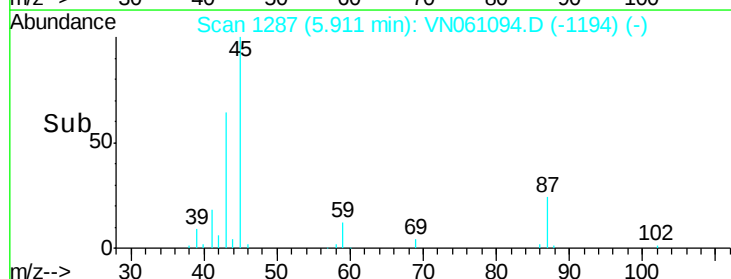
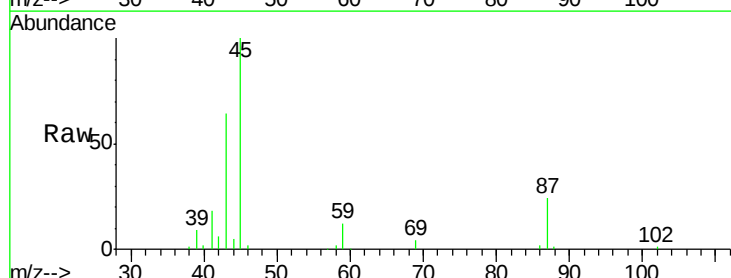
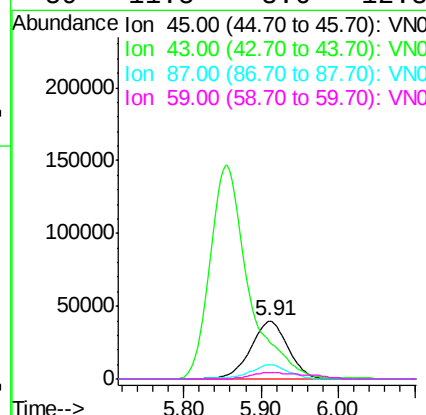
Manual Integrations
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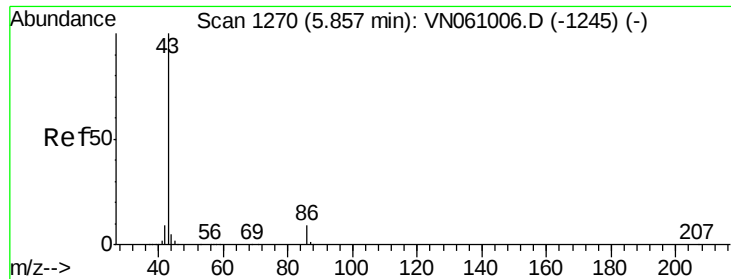
MMDadoda
4/21/2020 12:00:03 PM



#22
Diisopropyl ether
Concen: 19.472 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.6	72.8
87	24.4	19.4	29.2
59	11.5	8.6	12.8





#23

Vinyl Acetate

Concen: 94.325 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion: 43 Resp: 509016

Ion Ratio Lower Upper

43 100

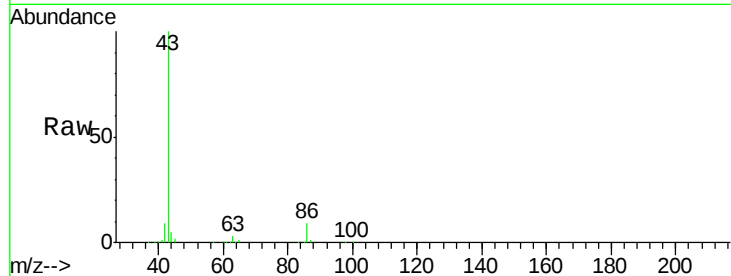
86 8.9 7.3 10.9

Manual Integrations

APPROVED

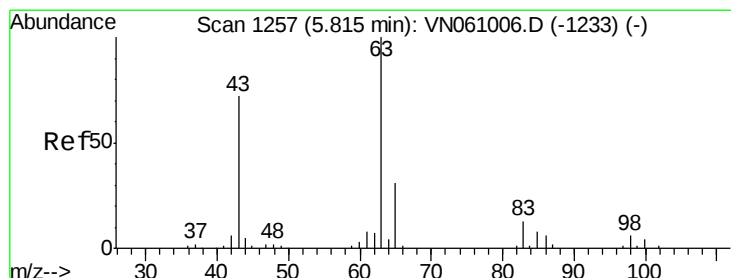
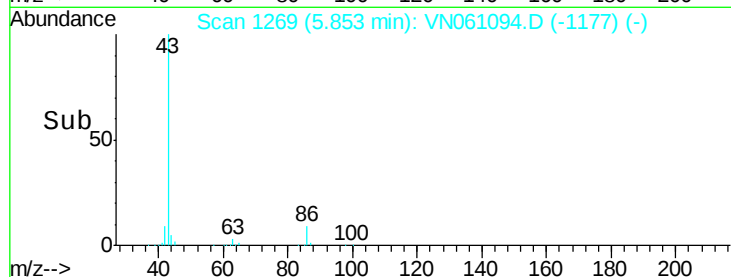
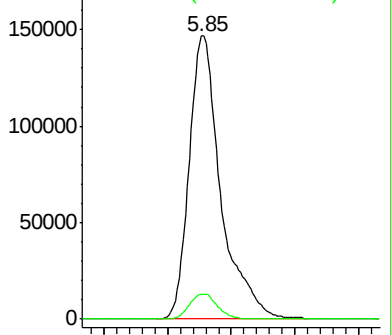
MMDadoda

4/21/2020 12:00:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.308 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

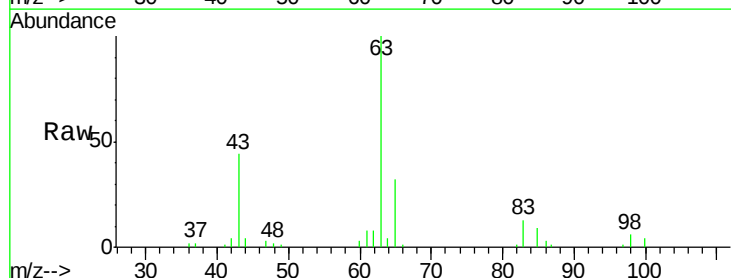
Tgt Ion: 63 Resp: 71763

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

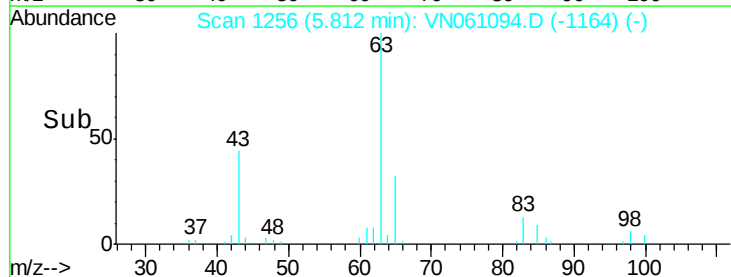
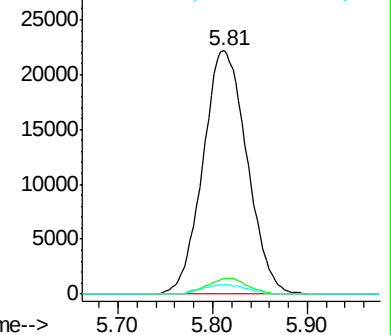
100 3.9 2.0 5.8

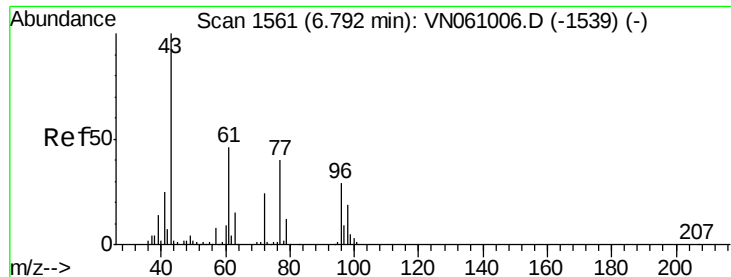


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





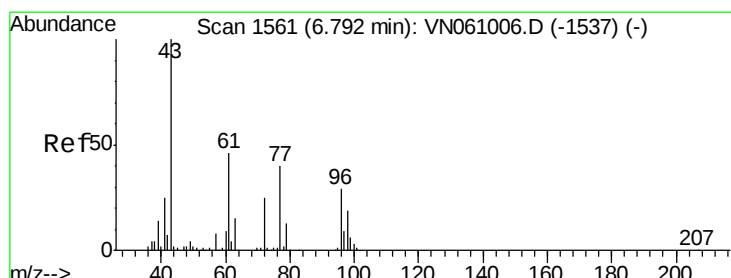
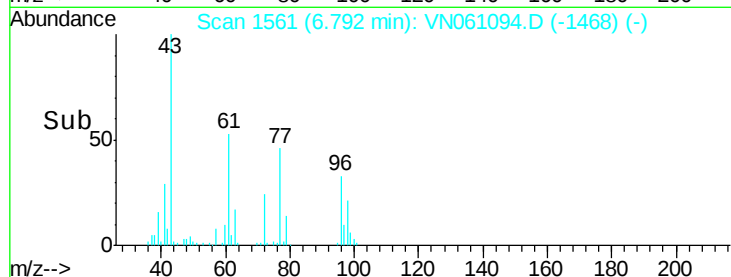
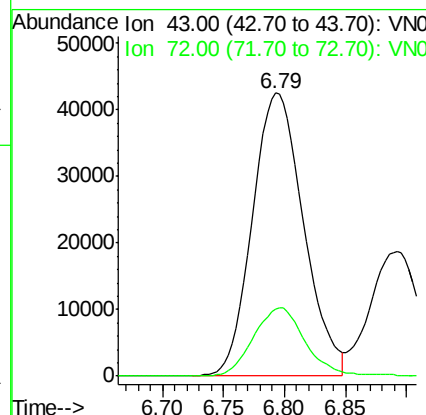
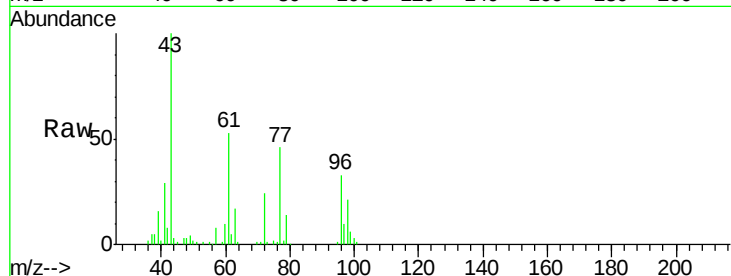
#25
2-Butanone
Concen: 89.717 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 43 Resp: 123895
Ion Ratio Lower Upper
43 100
72 23.9 19.6 29.4

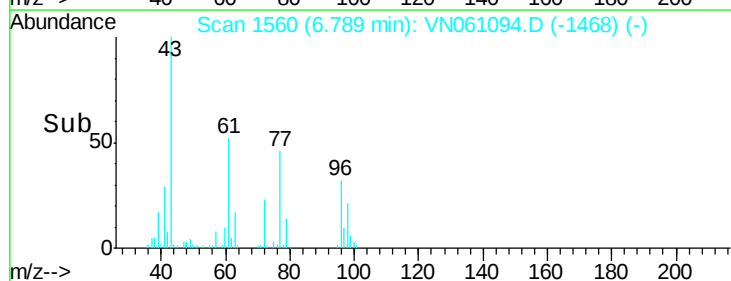
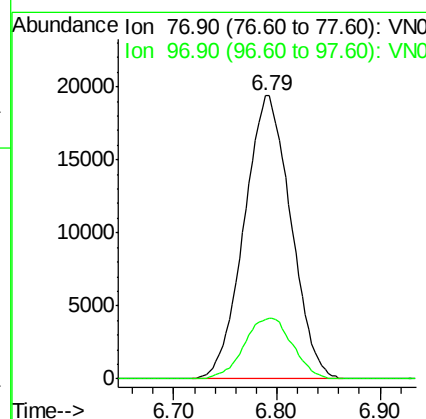
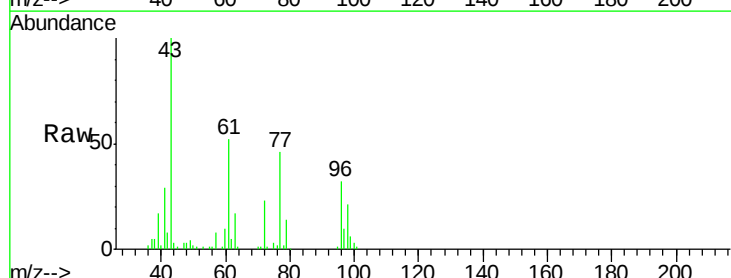
Manual Integrations
APPROVED

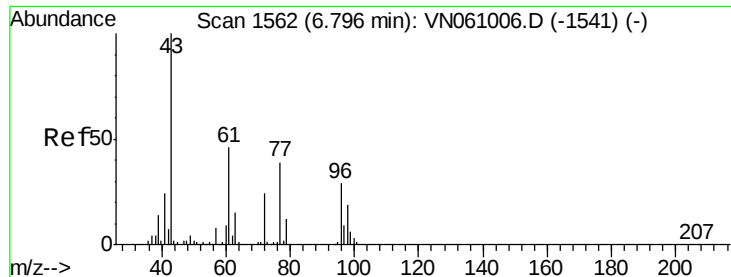
MMDadoda
4/21/2020 12:00:03 PM



#26
2,2-Dichloropropane
Concen: 19.690 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 77 Resp: 60934
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.442 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

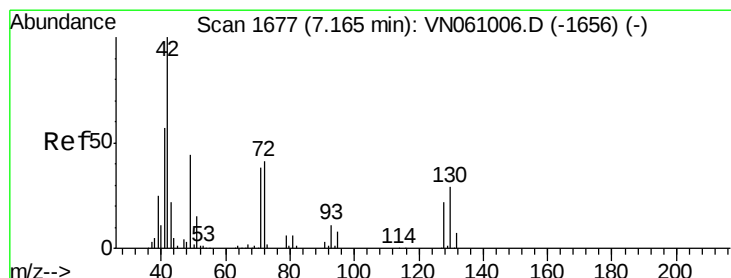
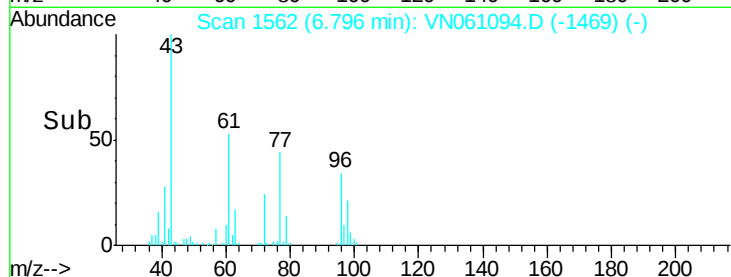
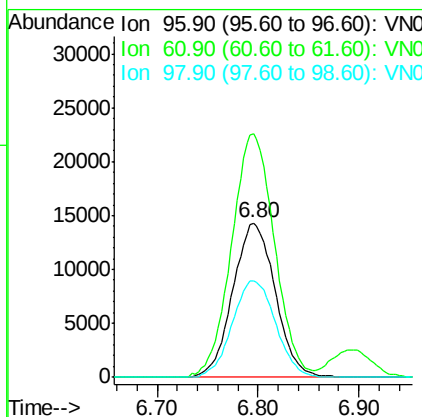
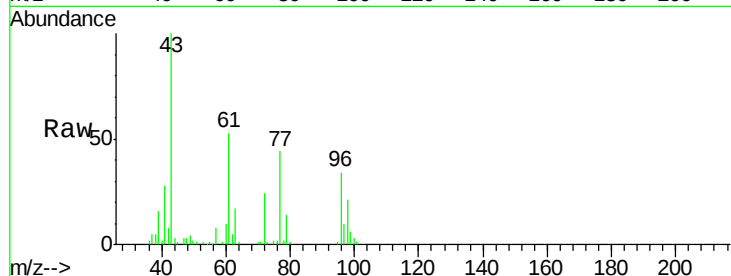
ClientSampleId :

VN0420WBS01

Tot Ion:	96	Resp:	41807
Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	317.4
98	63.6	0.0	127.8

Manual Integrations
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MMDadoda
4/21/2020 12:00:03 PM



#28

Bromochloromethane

Concen: 19.738 ug/l

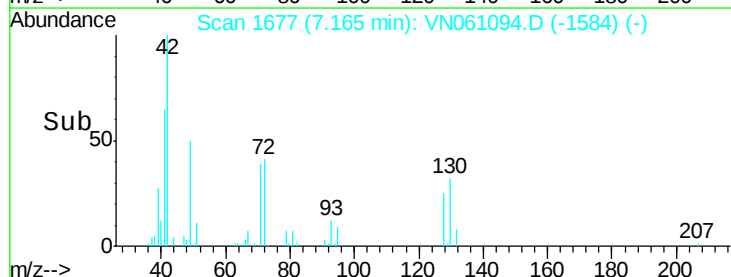
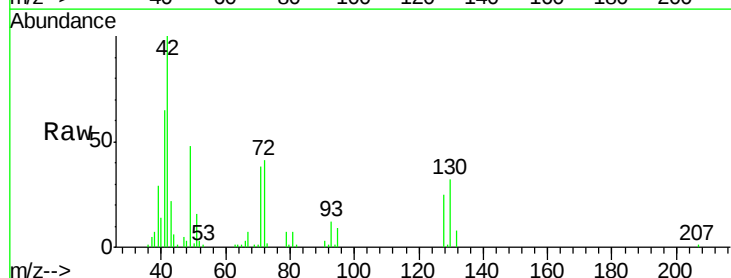
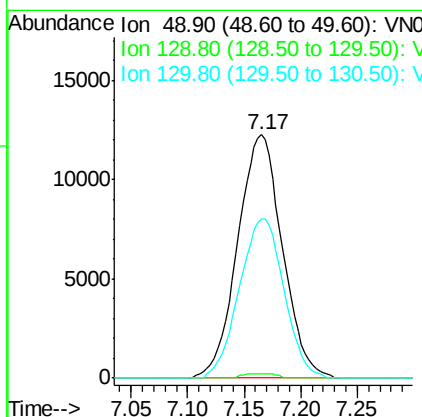
RT: 7.17 min Scan# 1677

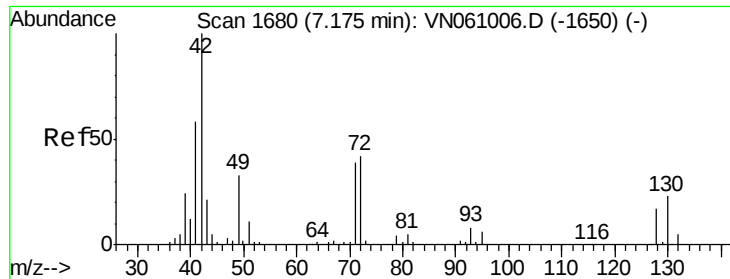
Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:	49	Resp:	33675
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	65.3	52.9	79.3





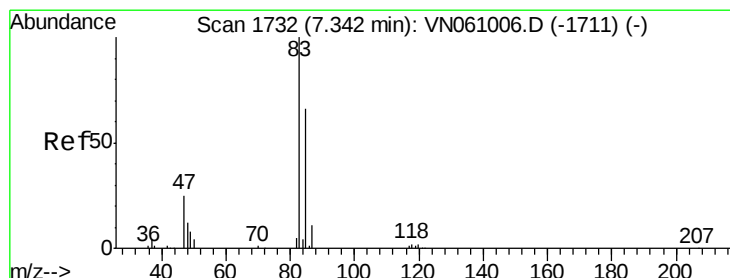
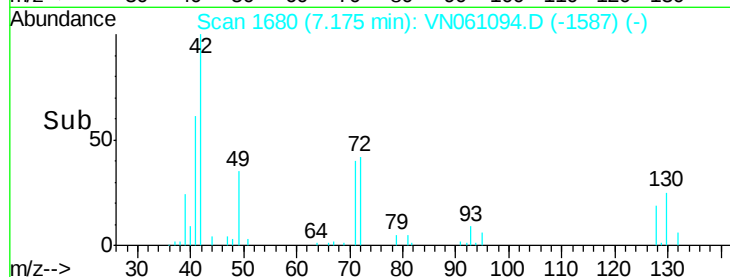
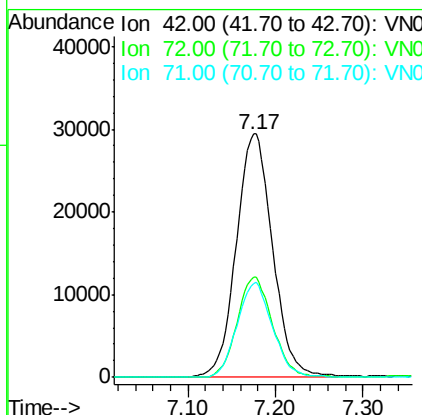
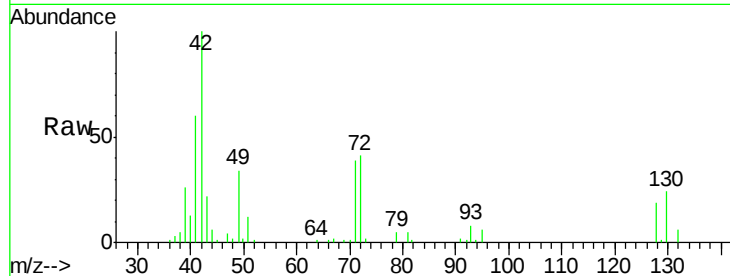
#29
Tetrahydrofuran
Concen: 90.745 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.1	48.1
71	37.8	30.5	45.7

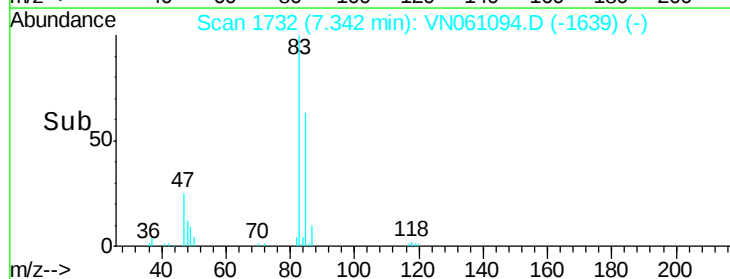
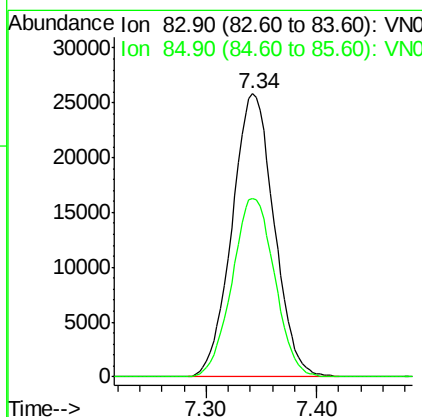
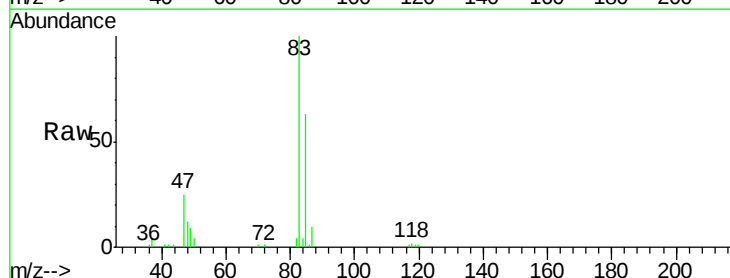
Manual Integrations
APPROVED

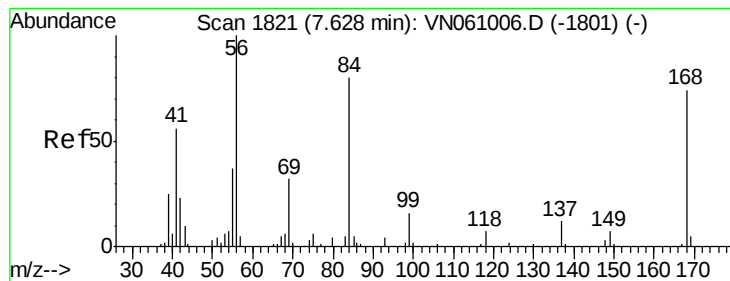
MMDadoda
4/21/2020 12:00:03 PM



#30
Chloroform
Concen: 19.677 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.8	79.2





#31

Cyclohexane

Concen: 18.671 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

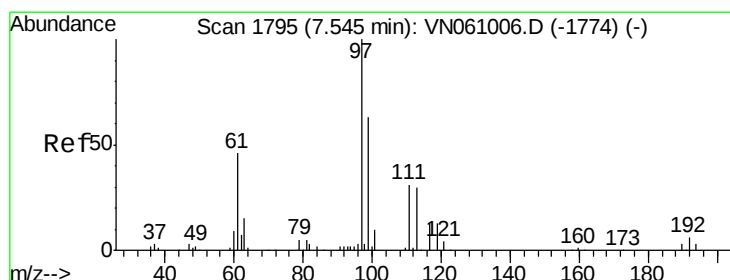
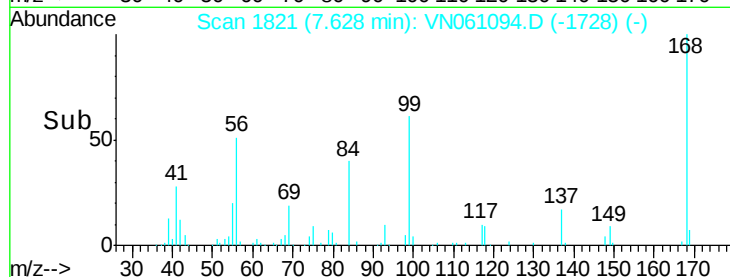
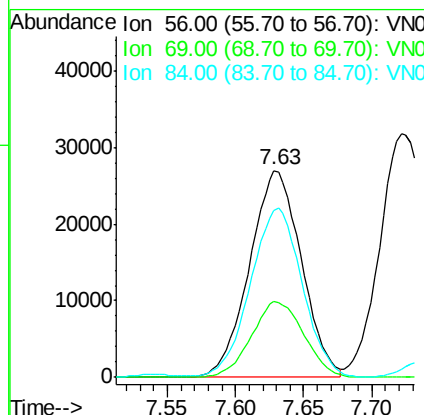
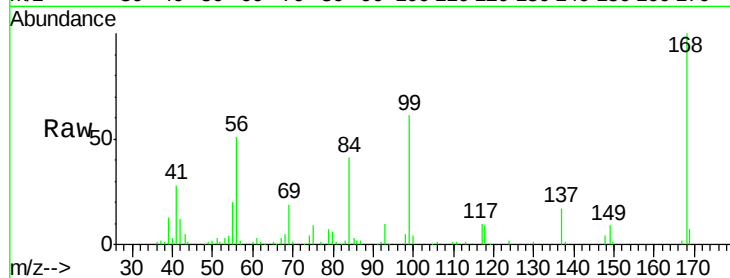
ClientSampleId :

VN0420WBS01

Tot Ion:	56	Resp:	71211
Ion Ratio	Lower	Upper	
56	100		
69	36.7	25.6	38.4
84	80.0	63.4	95.2

Manual Integrations
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4/21/2020 12:00:03 PM



#32

1,1,1-Trichloroethane

Concen: 19.435 ug/l

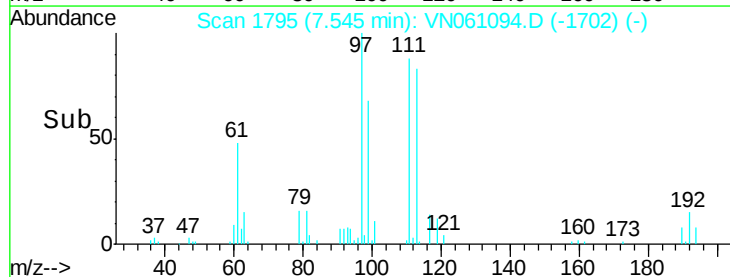
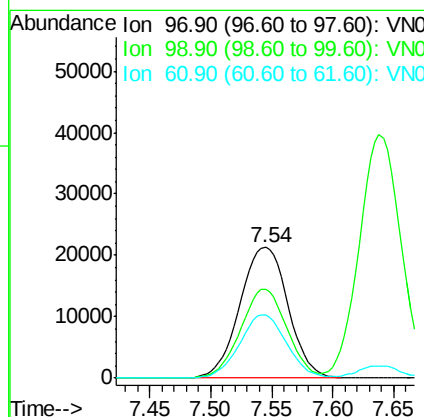
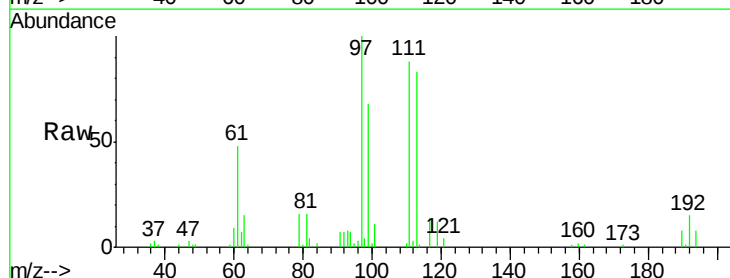
RT: 7.54 min Scan# 1795

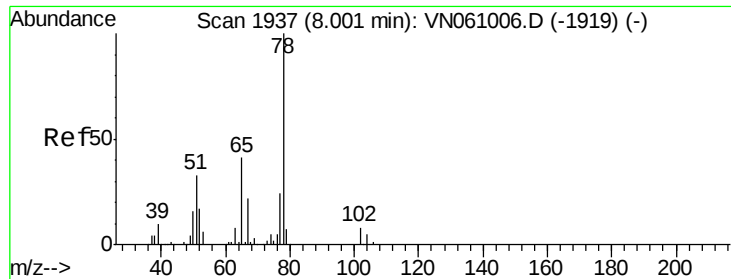
Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:	97	Resp:	58277
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.0	76.4
61	47.3	37.0	55.6





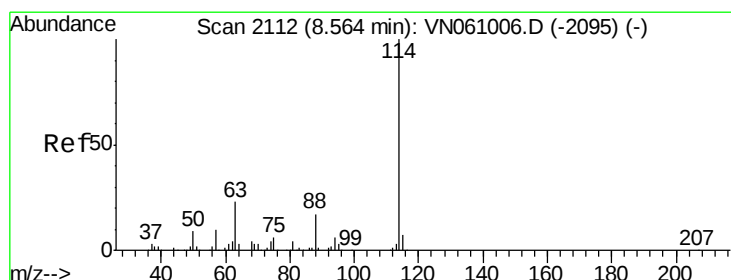
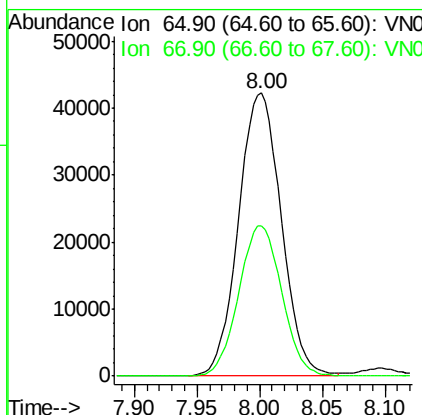
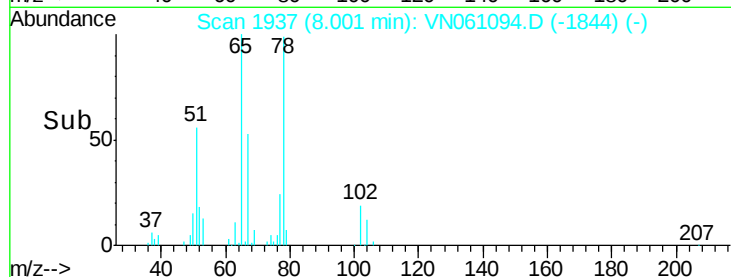
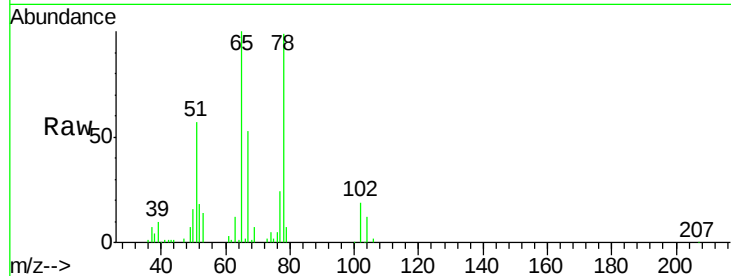
#33
 1,2-Dichloroethane-d4
 Concen: 48.895 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100111		
67	53.5	0.0	107.0	

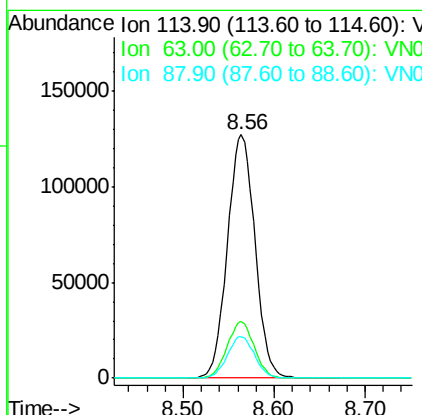
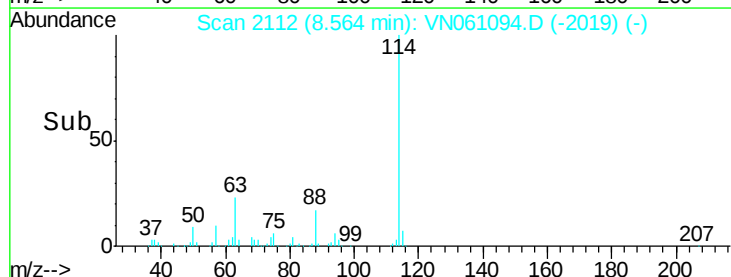
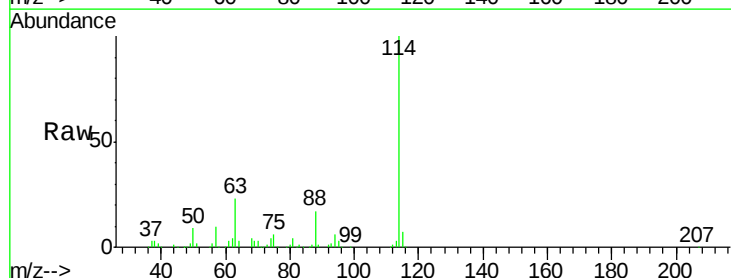
Manual Integrations
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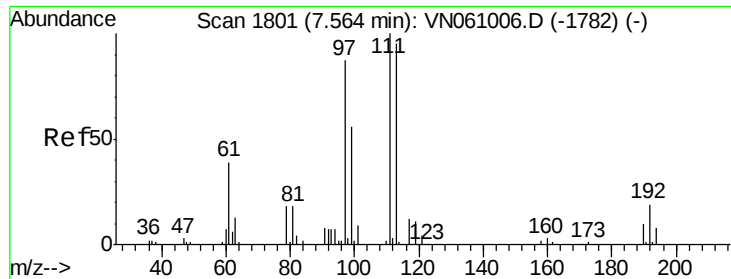
MMDadoda
 4/21/2020 12:00:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267340		
63	23.1	0.0	46.2	
88	16.9	0.0	33.4	





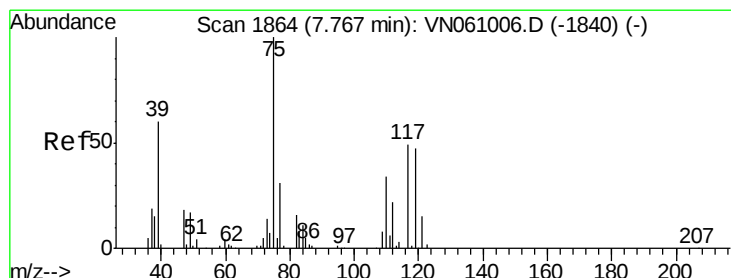
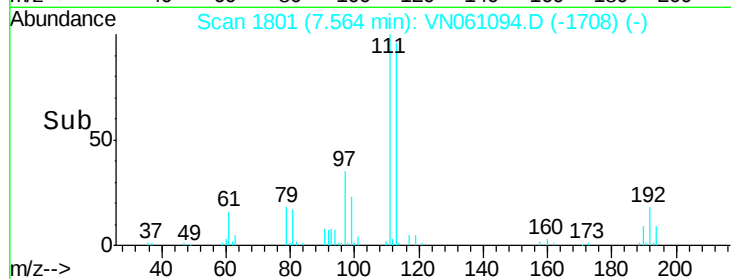
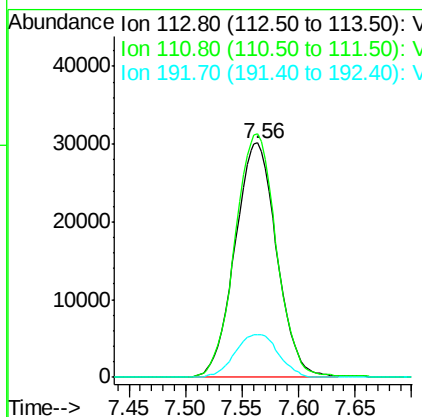
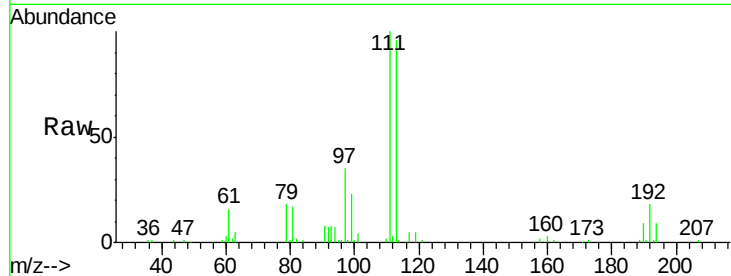
#35
 Dibromofluoromethane
 Concen: 49.509 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	77295		
111	103.6		83.4	125.2
192	18.9		15.5	23.3

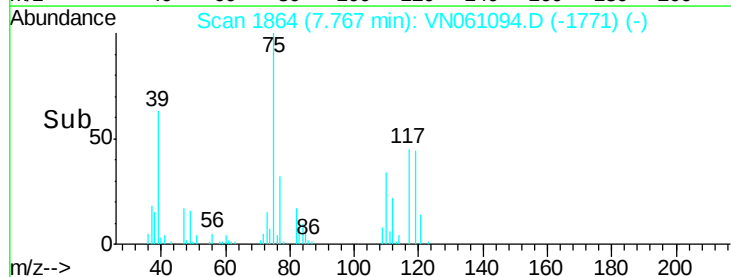
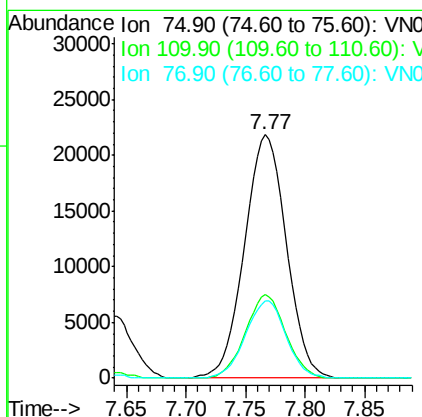
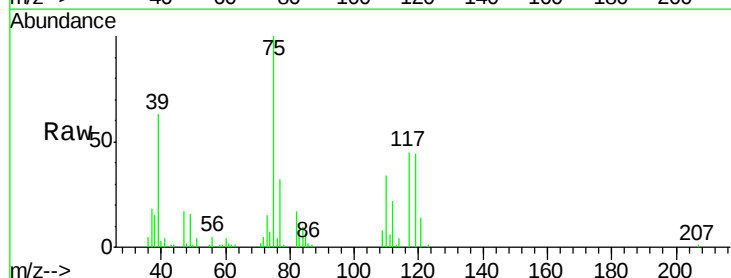
Manual Integrations
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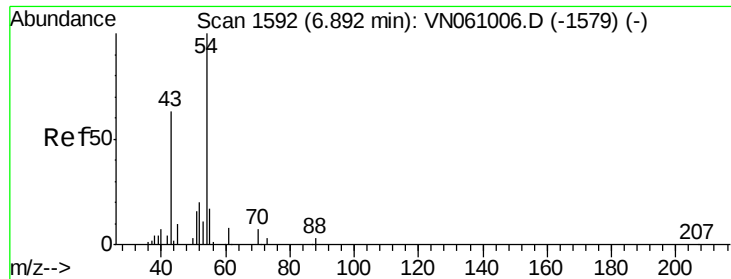
MMDadoda
 4/21/2020 12:00:03 PM



#36
 1,1-Dichloropropene
 Concen: 19.307 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53263		
110	32.8		16.8	50.3
77	30.8		24.7	37.1





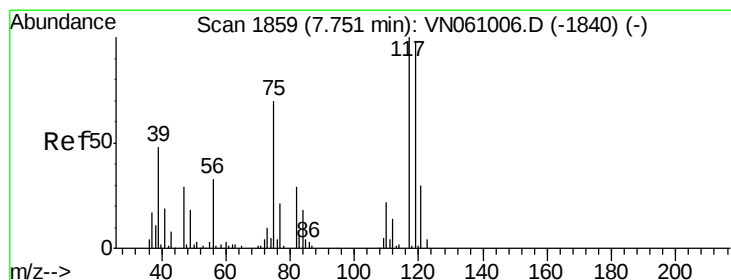
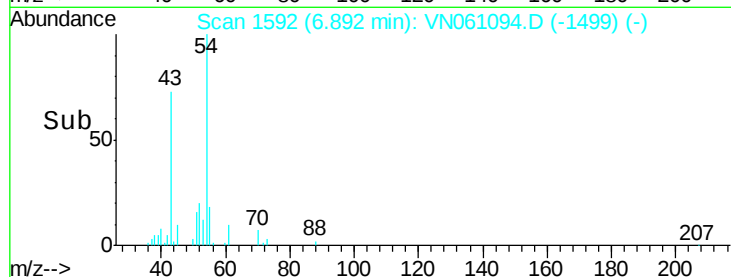
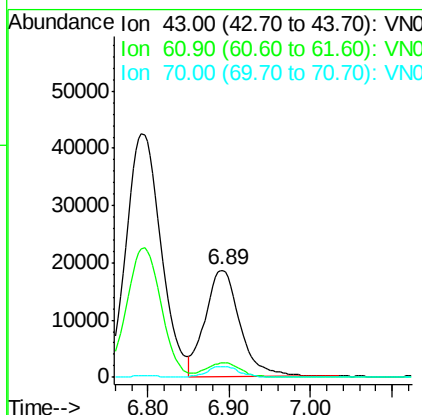
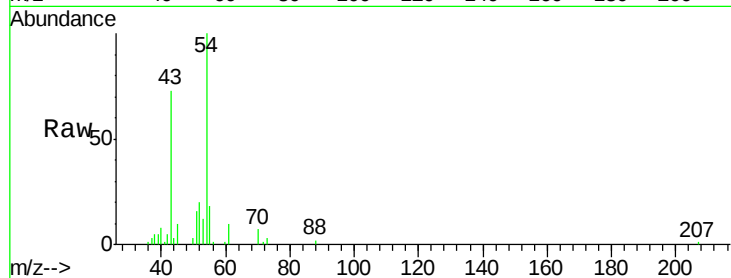
#37
Ethyl Acetate
Concen: 18.670 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	9.5	7.7	11.5

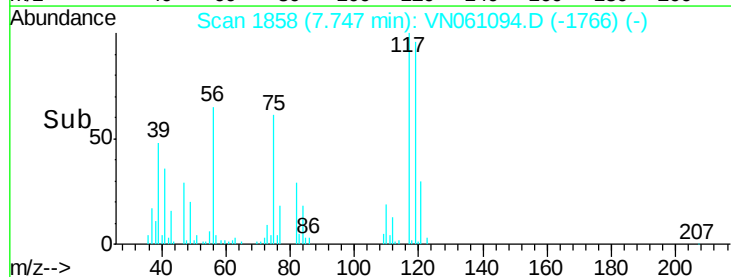
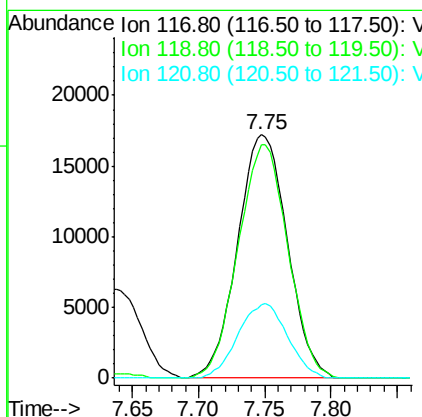
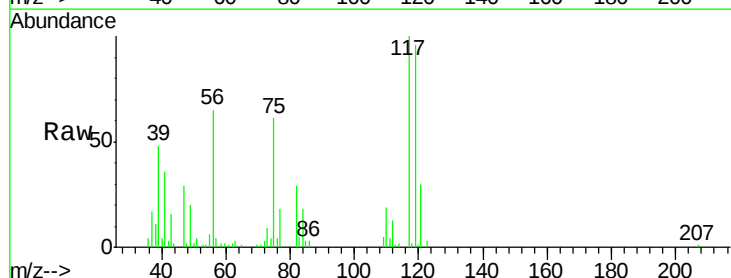
Manual Integrations
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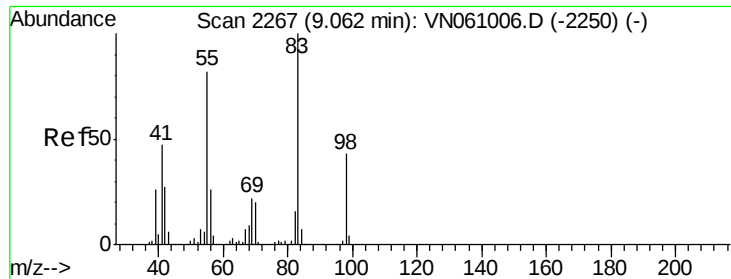
MMDadoda
4/21/2020 12:00:03 PM



#38
Carbon Tetrachloride
Concen: 19.549 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.1	117.1
121	29.9	24.0	36.0





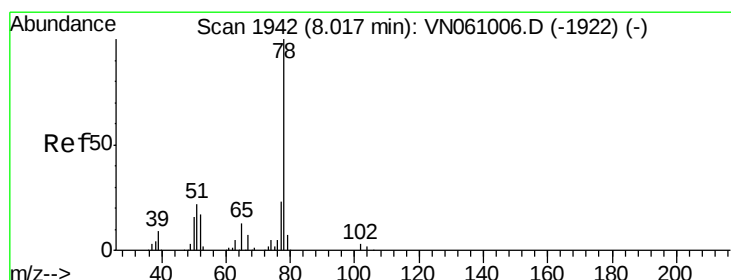
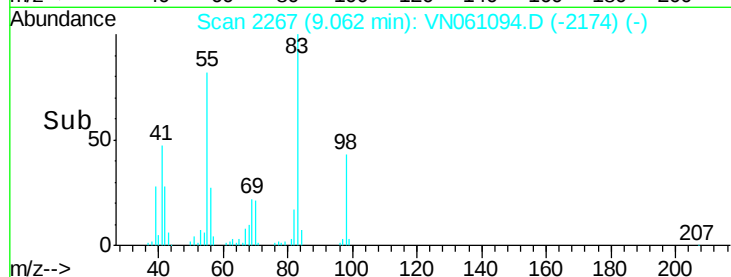
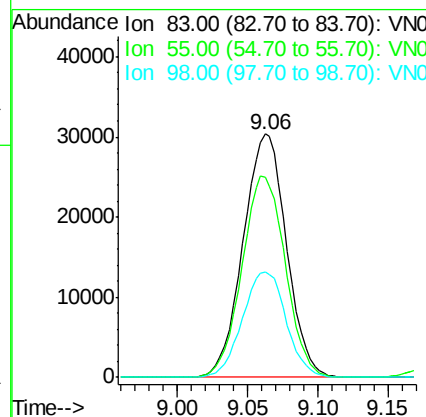
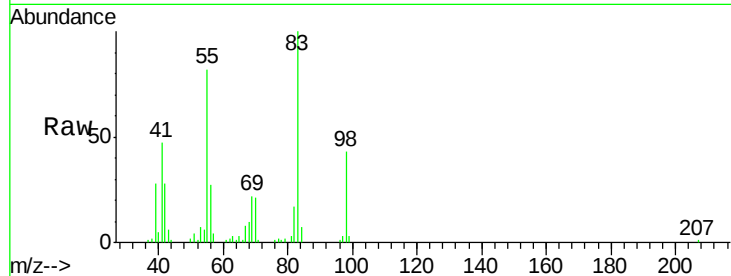
#39
Methvlcvclohexane
Concen: 19.748 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	65.4	98.0
98	43.1	34.6	51.8

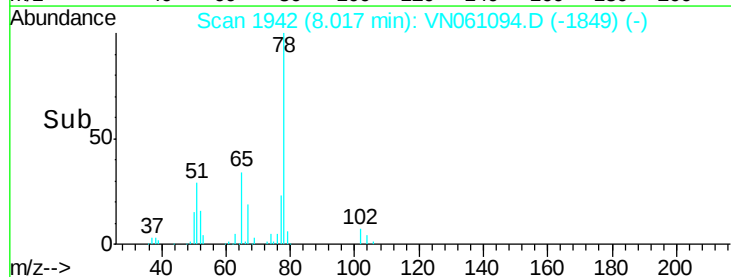
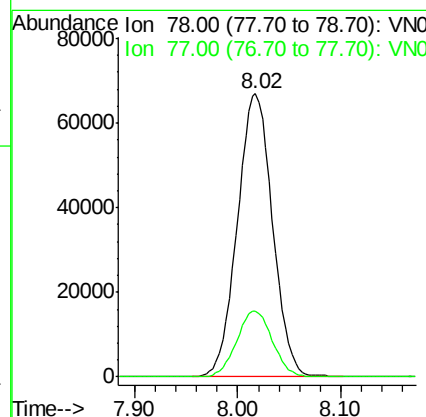
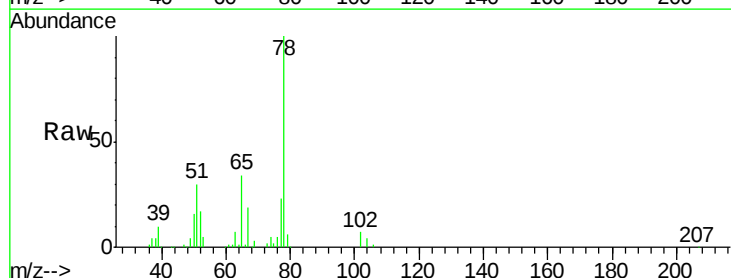
Manual Integrations
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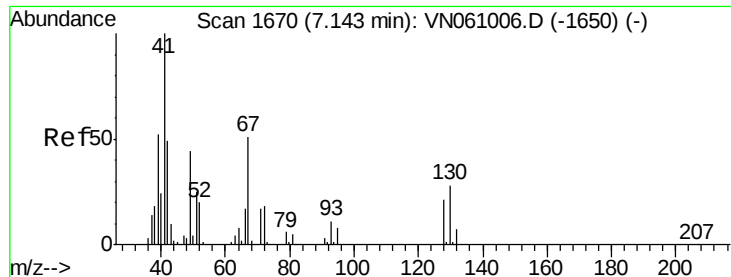
MMDadoda
4/21/2020 12:00:03 PM



#40
Benzene
Concen: 19.375 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





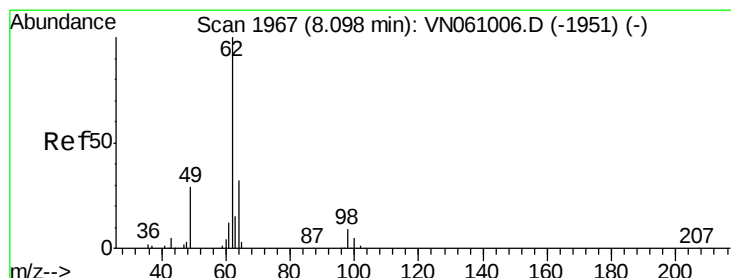
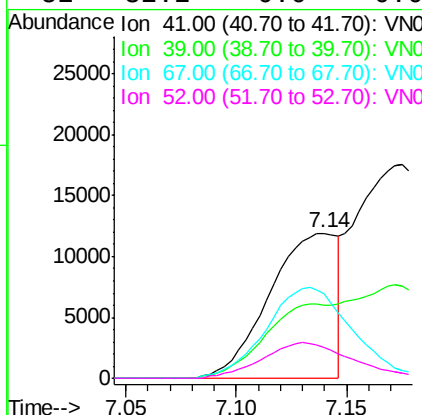
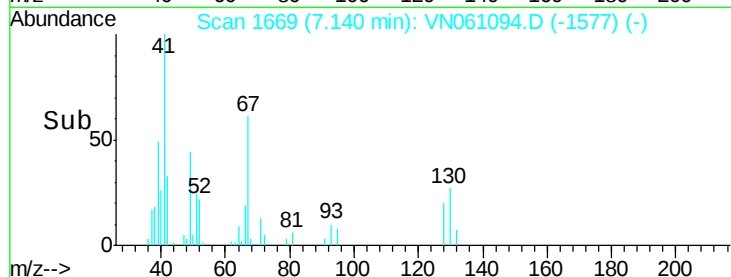
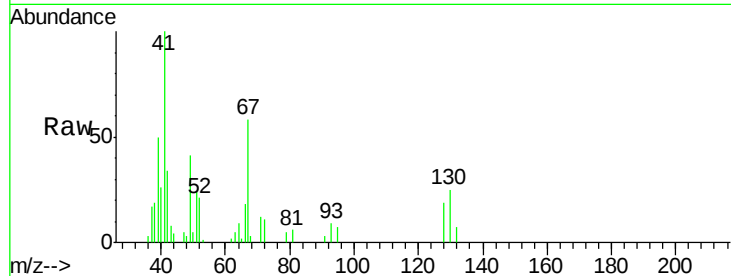
#41
Methacrylonitrile
Concen: 20.429 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleID :
VN0420WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25524		
39	49.3	0.0	0.0#		
67	79.6	0.0	0.0#		
52	32.2	0.0	0.0#		

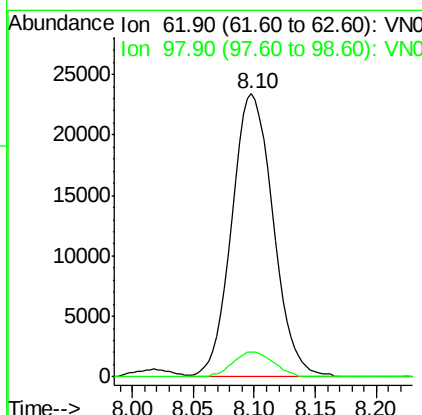
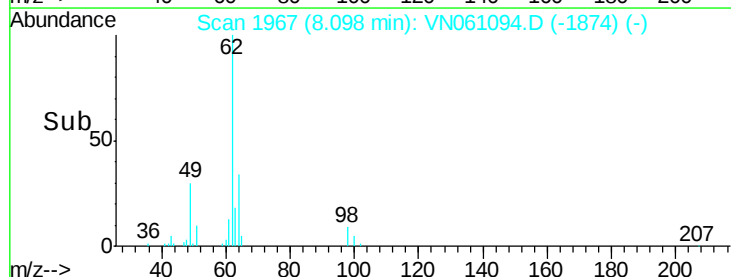
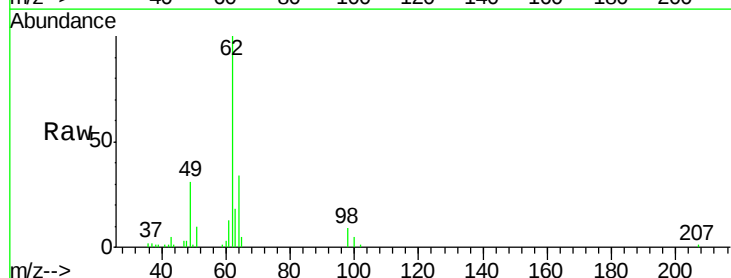
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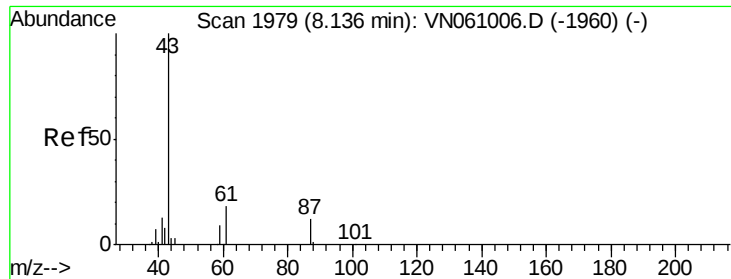
MMDadoda
4/21/2020 12:00:03 PM



#42
1,2-Dichloroethane
Concen: 19.804 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		55213		
98	8.6	0.0	17.2		





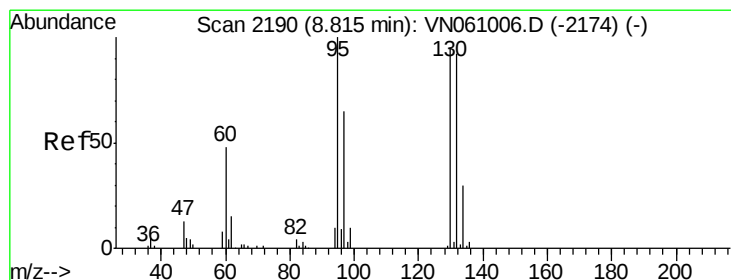
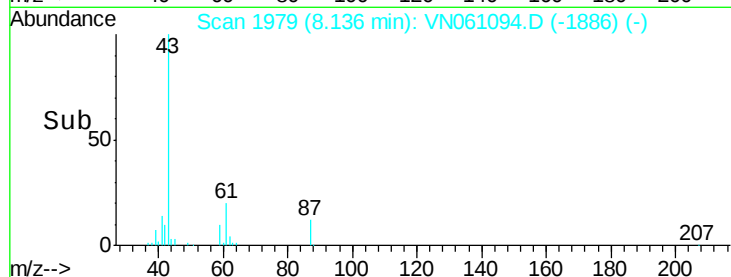
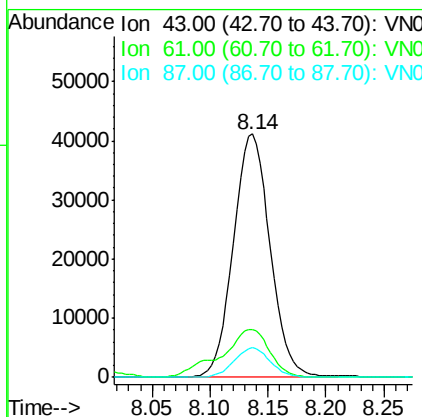
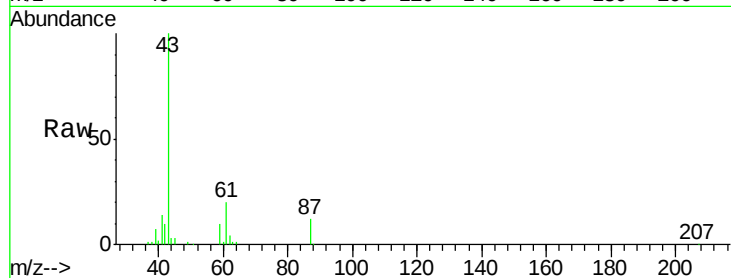
#43
Isopropyl Acetate
Concen: 18.639 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.3	30.5
87	11.8	9.4	14.2

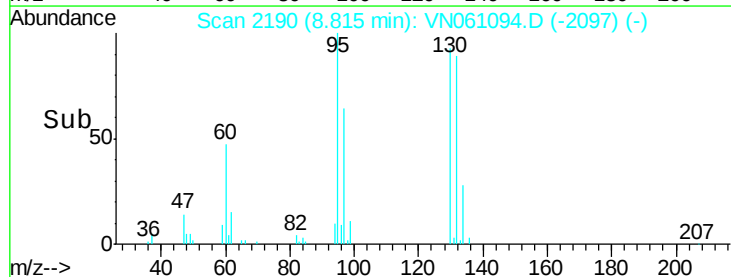
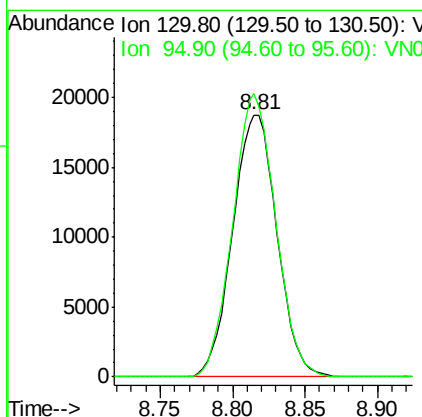
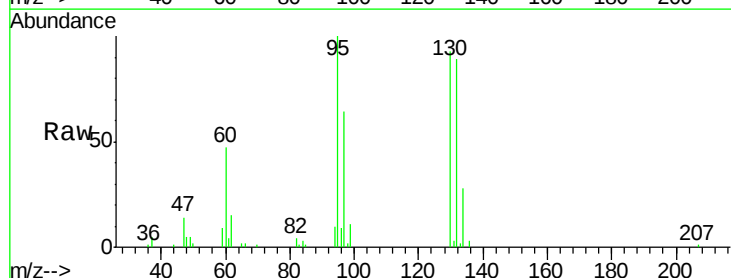
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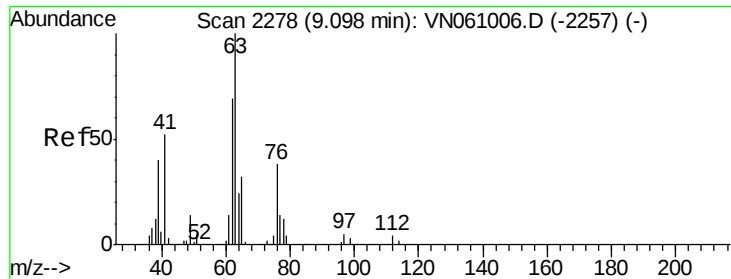
MMDadoda
4/21/2020 12:00:03 PM



#44
Trichloroethene
Concen: 19.335 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	210.0





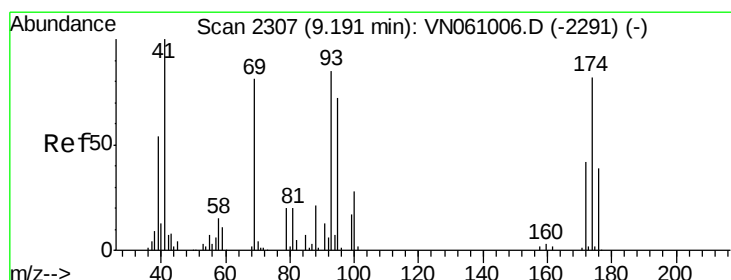
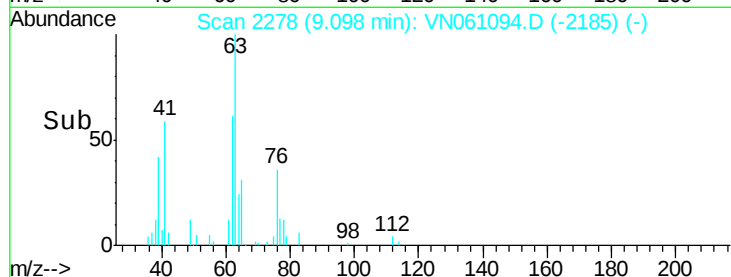
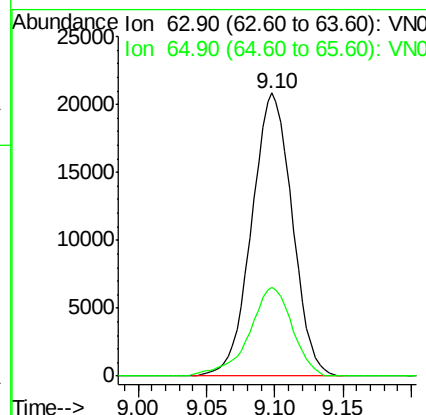
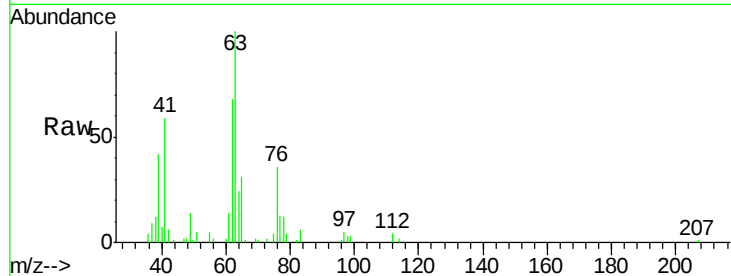
#45
 1,2-Dichloropropane
 Concen: 19.464 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0420WBS01

Tot Ion: 63 Resp: 43026
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8

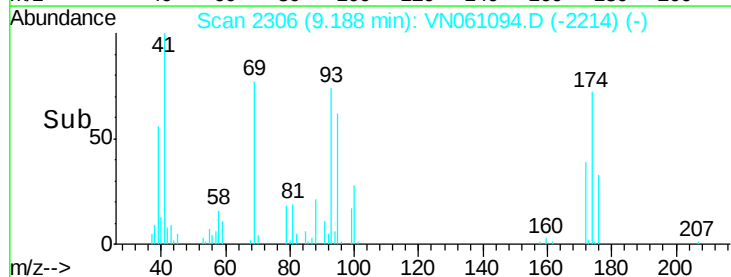
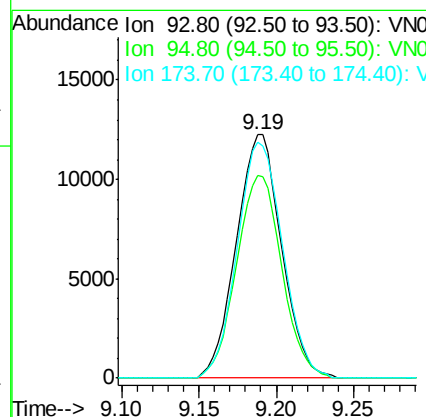
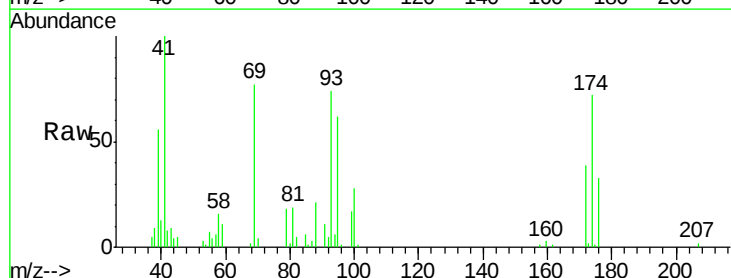
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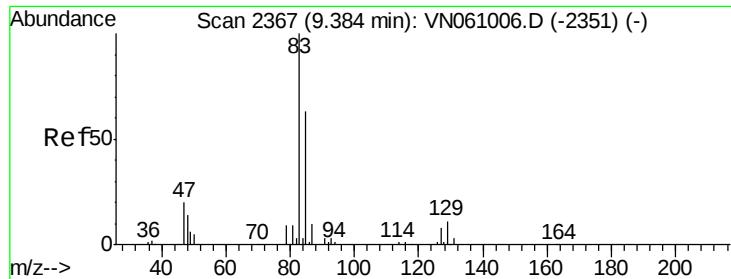
MMDadoda
 4/21/2020 12:00:03 PM



#46
 Dibromomethane
 Concen: 19.570 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion: 93 Resp: 24943
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.8 100.2
 174 97.0 76.2 114.4





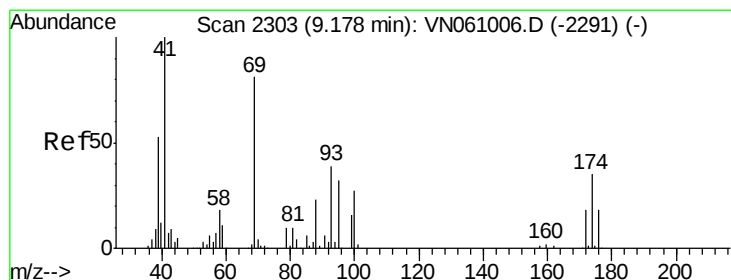
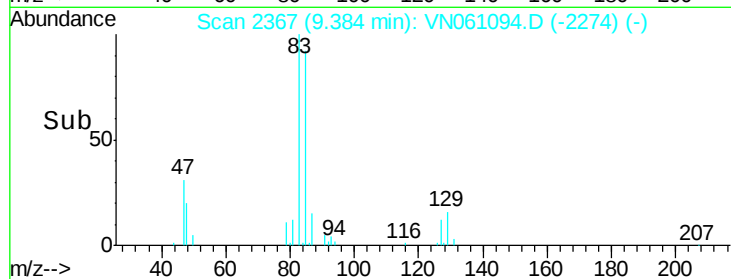
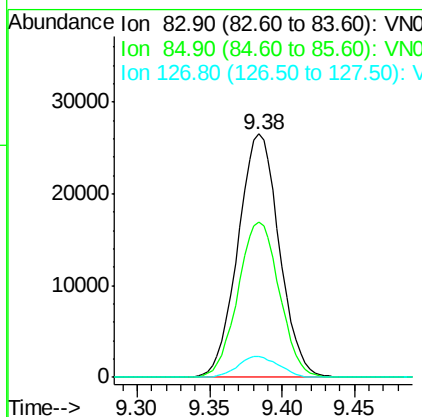
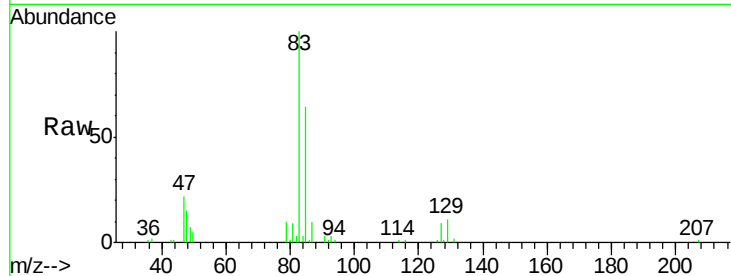
#47
 Bromodichloromethane
 Concen: 19.515 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0
127	8.5	6.1	9.1

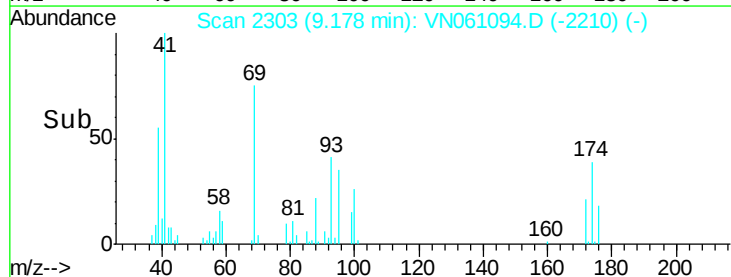
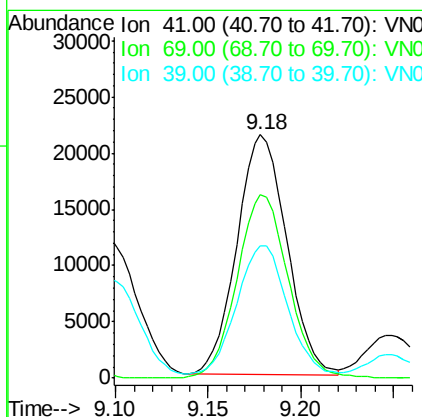
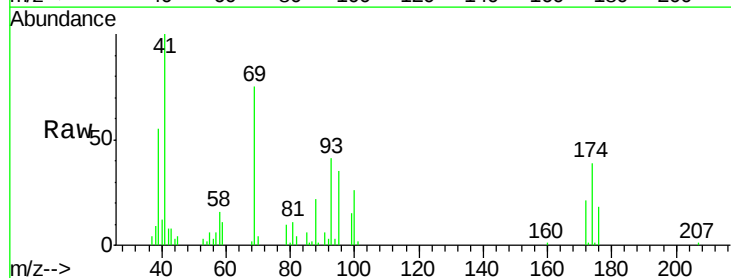
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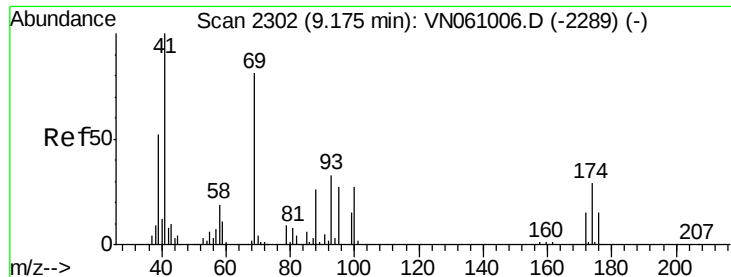
MMDadoda
 4/21/2020 12:00:03 PM



#48
 Methyl methacrylate
 Concen: 18.424 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.8	65.3	97.9
39	54.7	45.2	67.8





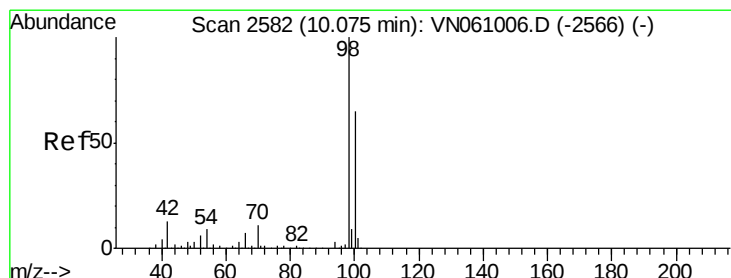
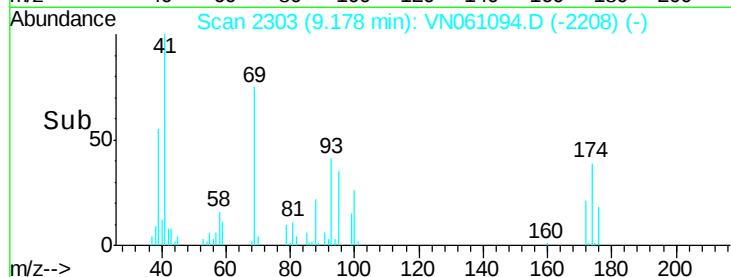
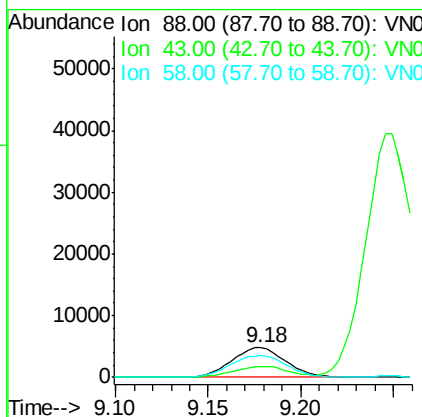
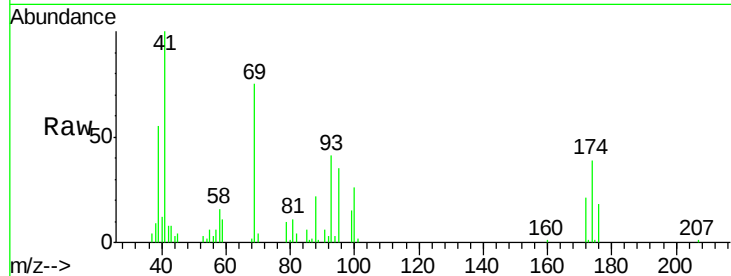
#49
1,4-Dioxane
Concen: 332.965 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.9	46.3
58	76.9	59.8	89.8

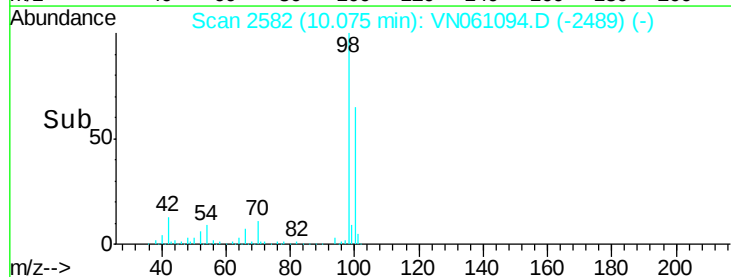
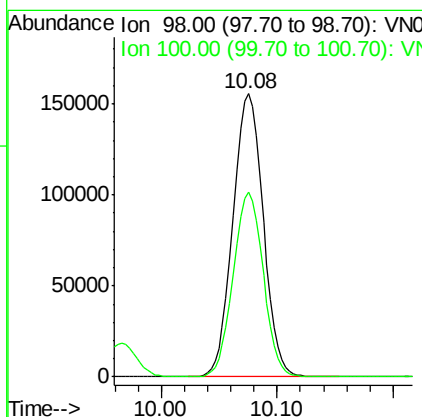
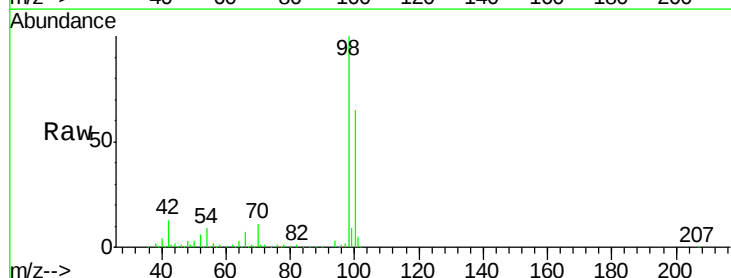
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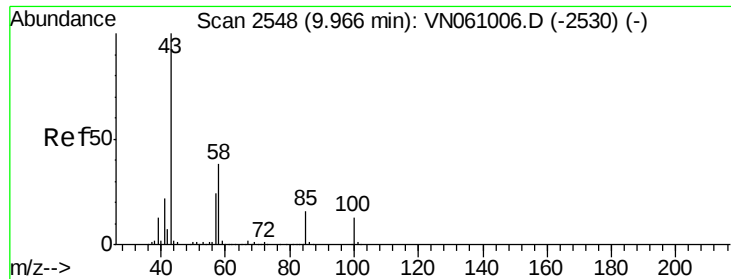
MMDadoda
4/21/2020 12:00:03 PM



#50
Toluene-d8
Concen: 47.786 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 92.620 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion: 43 Resp: 260118

Ion Ratio Lower Upper

43 100

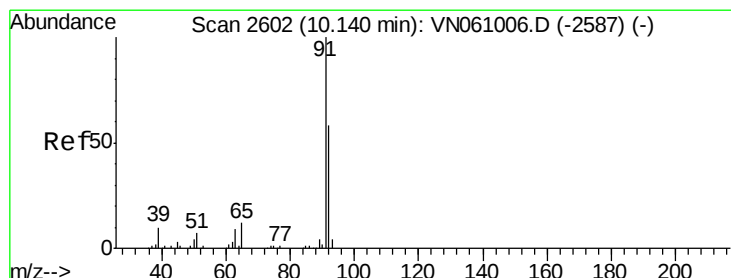
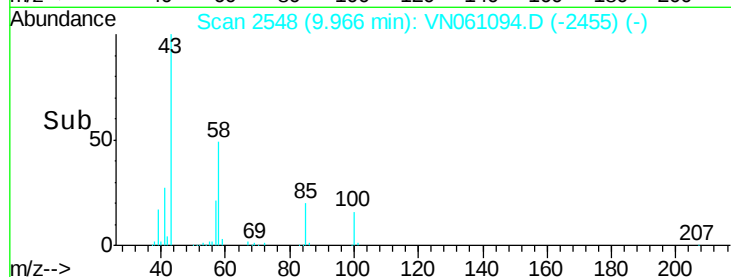
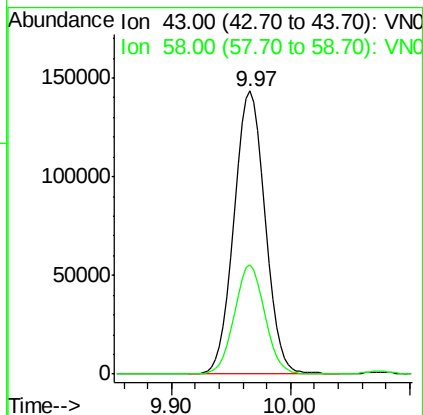
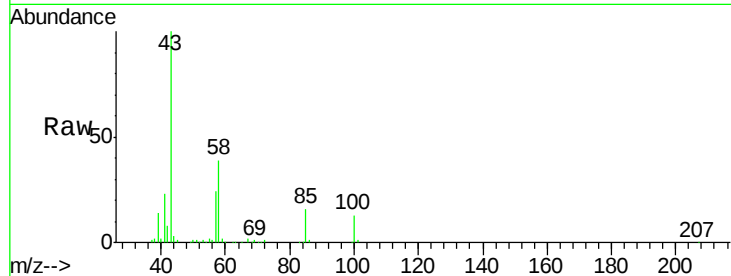
58 37.8 30.3 45.5

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MMDadoda

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#52

Toluene

Concen: 19.332 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN061094.D

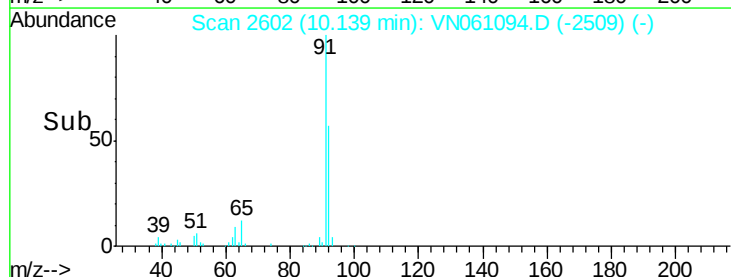
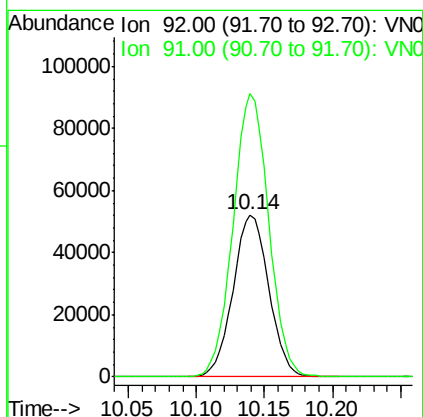
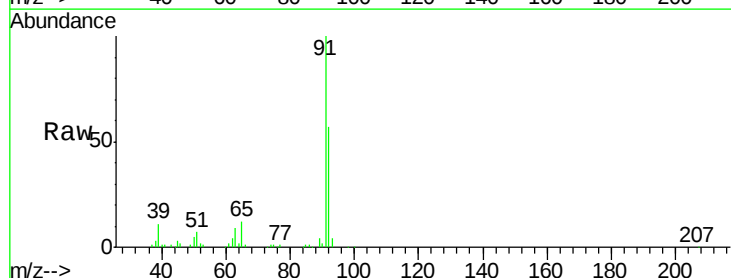
Acq: 20 Apr 2020 12:25

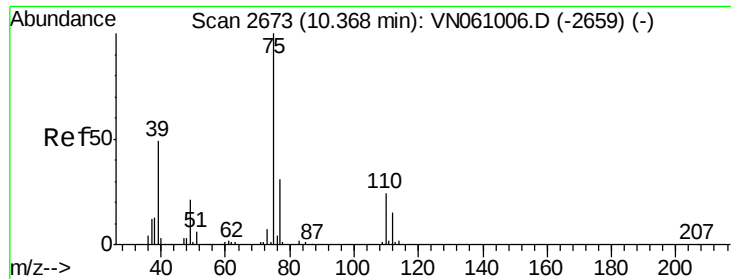
Tgt Ion: 92 Resp: 94918

Ion Ratio Lower Upper

92 100

91 174.2 137.7 206.5





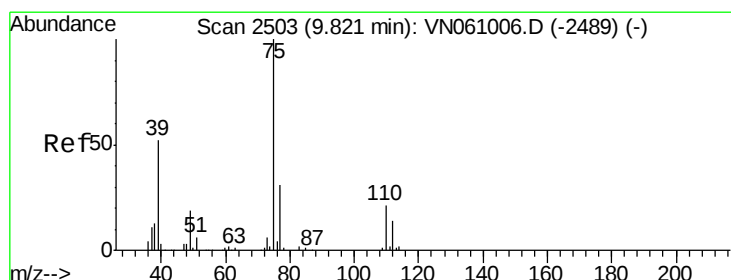
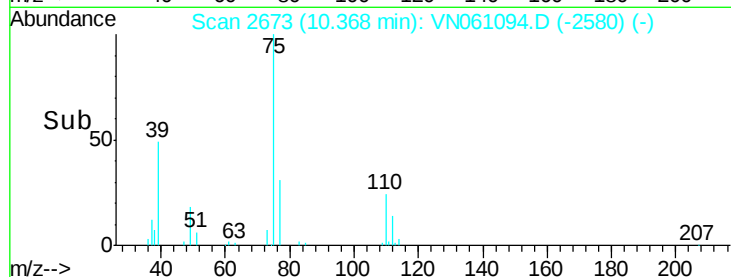
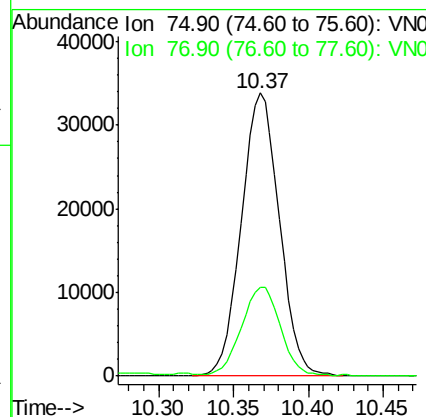
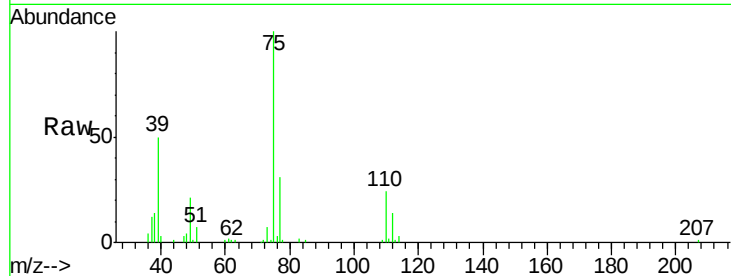
#53
t-1,3-Dichloropropene
Concen: 19.151 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6

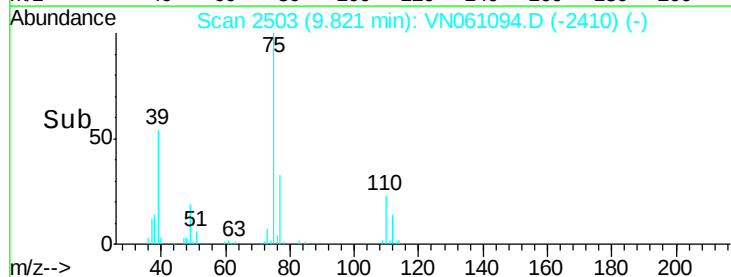
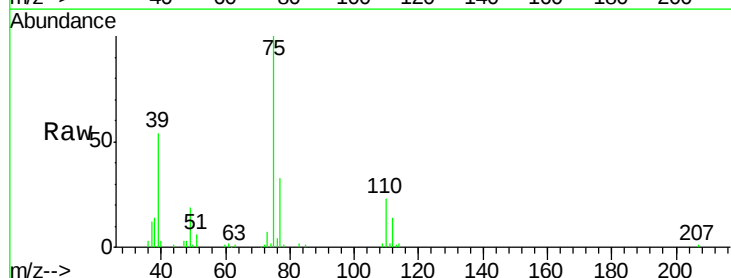
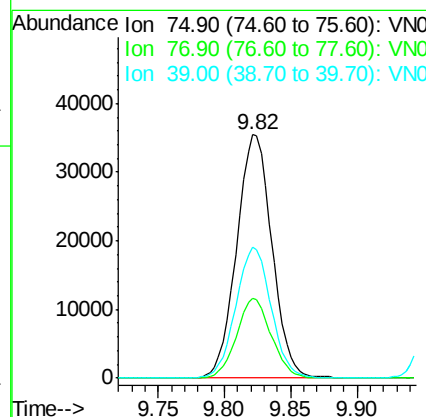
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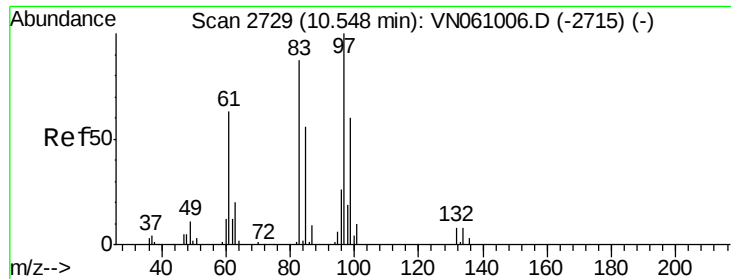
MMDadoda
4/21/2020 12:00:03 PM



#54
cis-1,3-Dichloropropene
Concen: 19.226 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.6
39	53.6	41.4	62.2





#55

1,1,2-Trichloroethane

Concen: 19.610 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

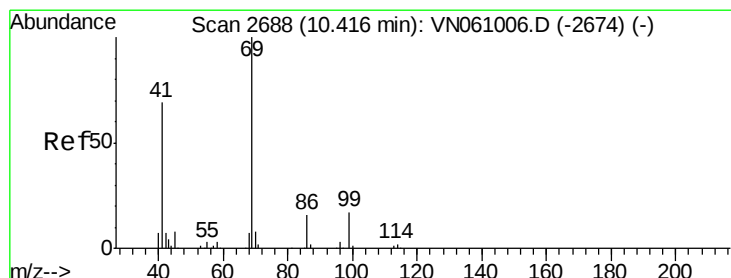
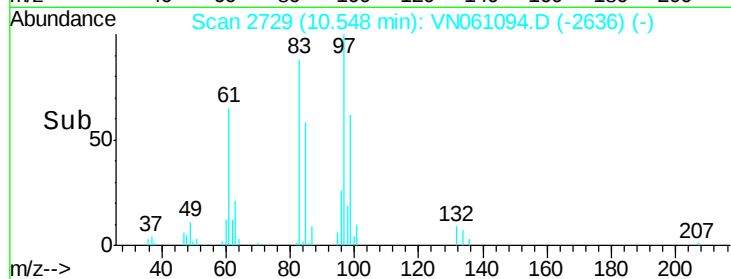
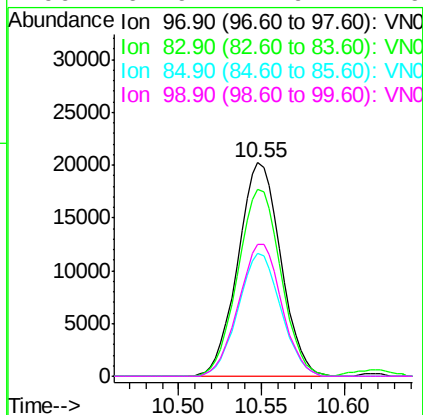
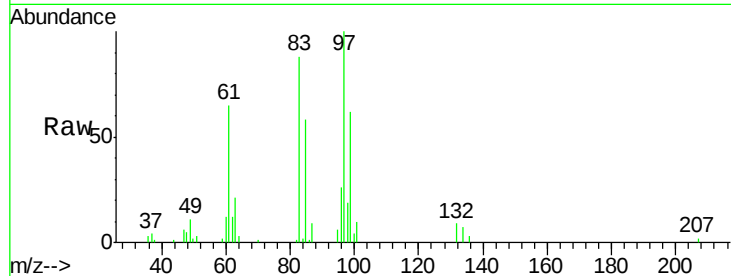
ClientSampleId :

VN0420WBS01

Tot Ion:	97	Resp:	36436
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.5	104.3
85	57.6	45.0	67.4
99	61.9	47.9	71.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.594 ug/l

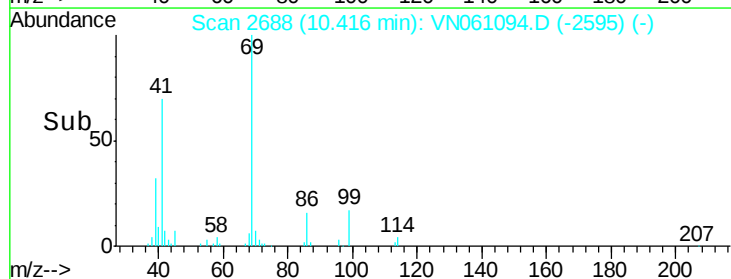
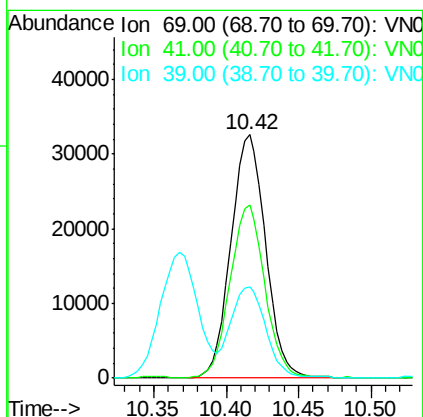
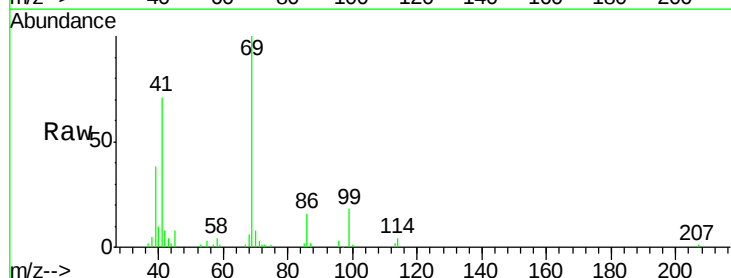
RT: 10.42 min Scan# 2688

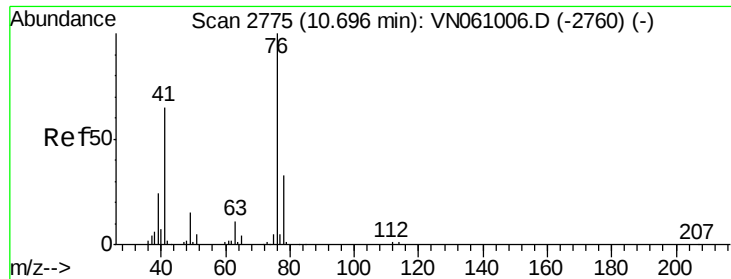
Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:	69	Resp:	54325
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.7	85.1
39	37.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.582 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion: 76 Resp: 64899

Ion Ratio Lower Upper

76 100

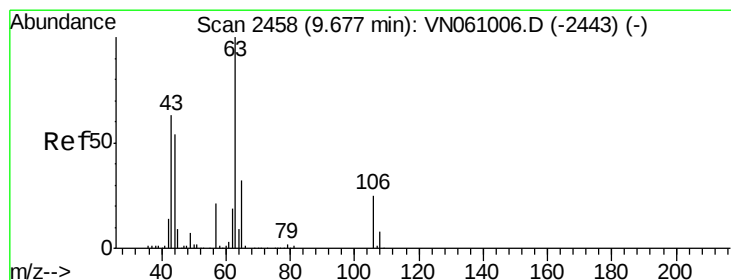
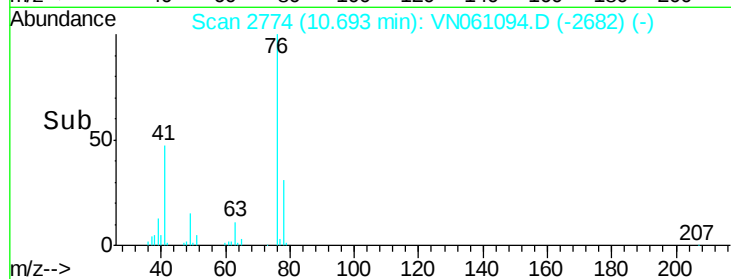
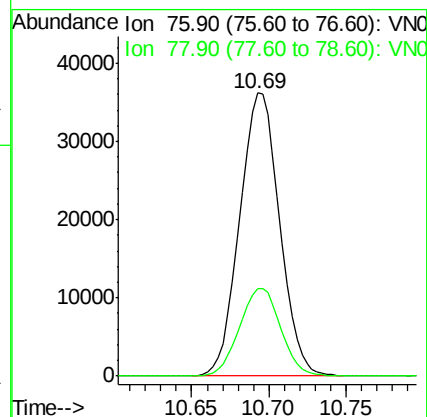
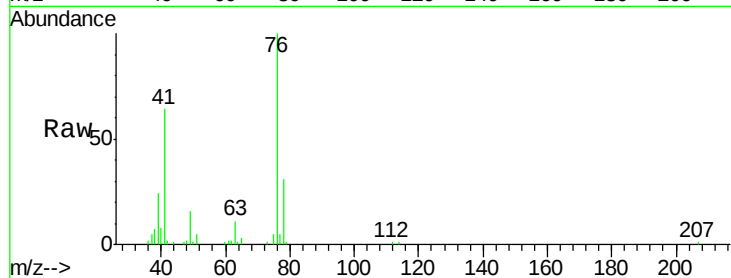
78 31.9 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 90.120 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN061094.D

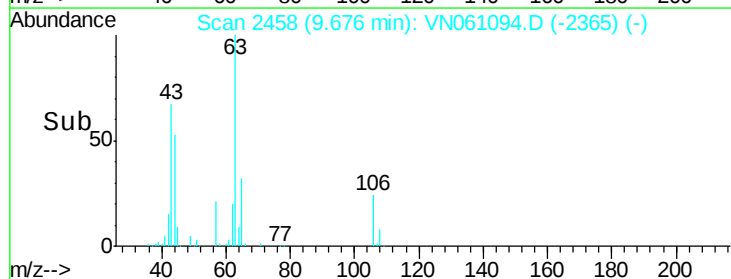
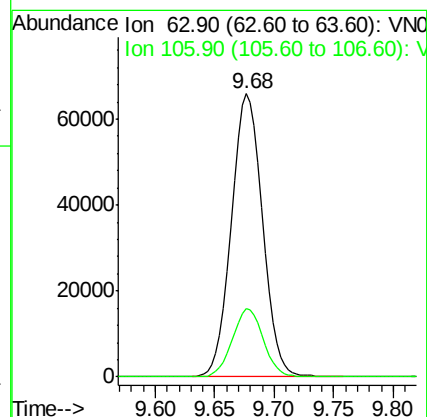
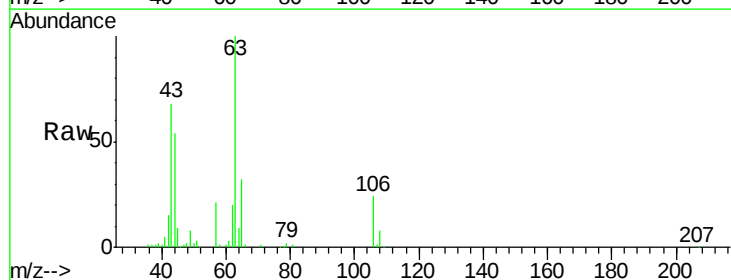
Acq: 20 Apr 2020 12:25

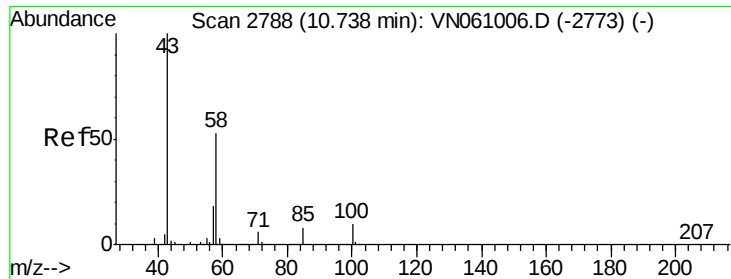
Tgt Ion: 63 Resp: 119646

Ion Ratio Lower Upper

63 100

106 23.8 19.5 29.3





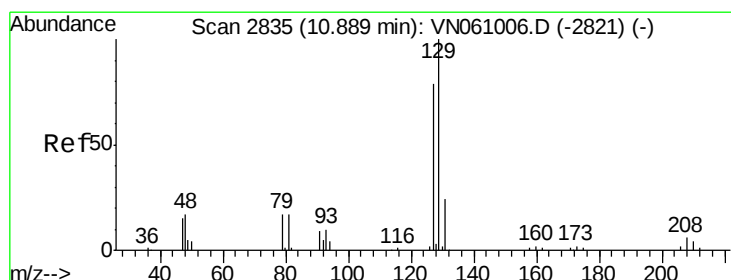
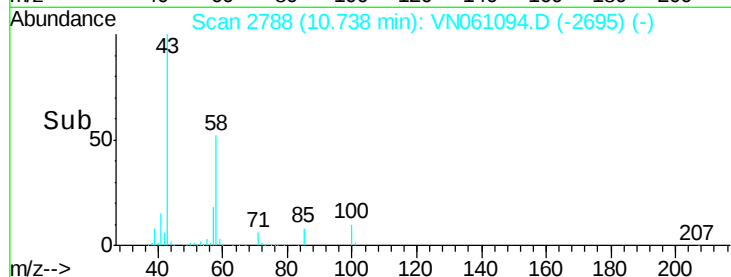
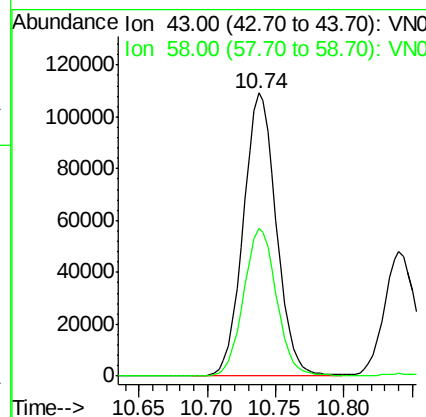
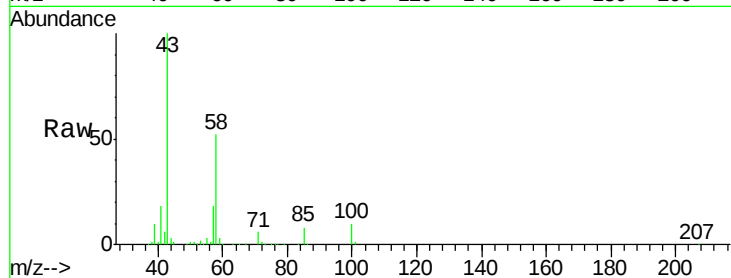
#59
2-Hexanone
Concen: 90.629 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 43 Resp: 183559
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0

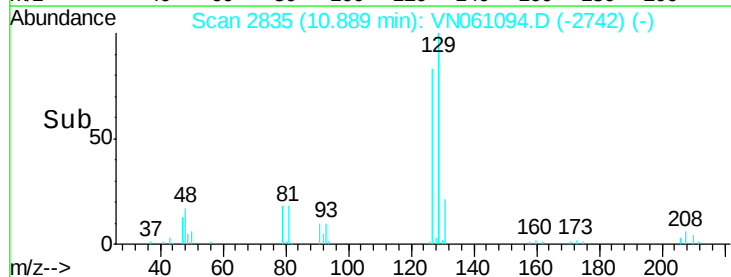
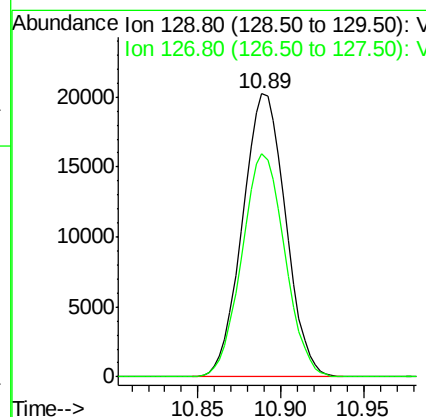
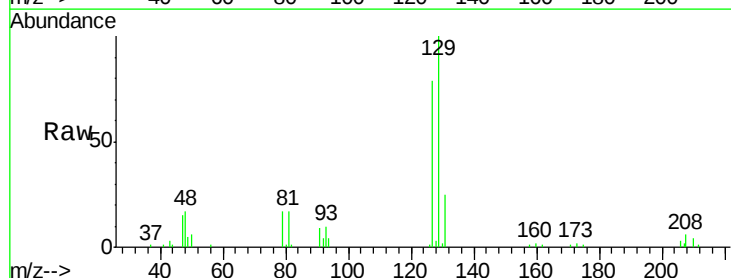
Manual Integrations
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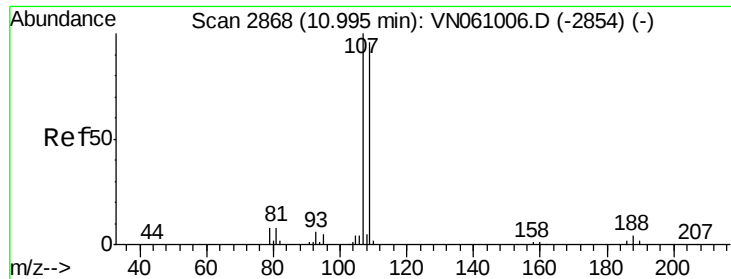
MMDadoda
4/21/2020 12:00:03 PM



#60
Dibromochloromethane
Concen: 19.249 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 129 Resp: 36740
Ion Ratio Lower Upper
129 100
127 78.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.369 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion:107 Resp: 36671

Ion Ratio Lower Upper

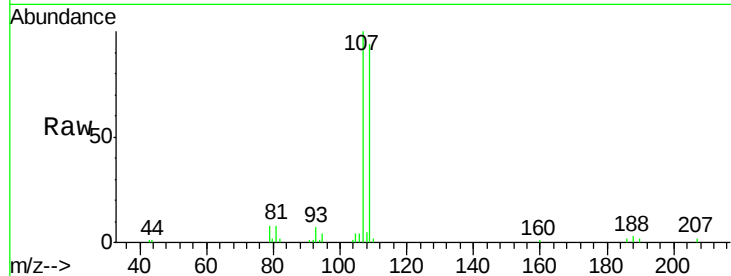
107 100

109 93.5 75.9 113.9

Manual Integrations
APPROVED

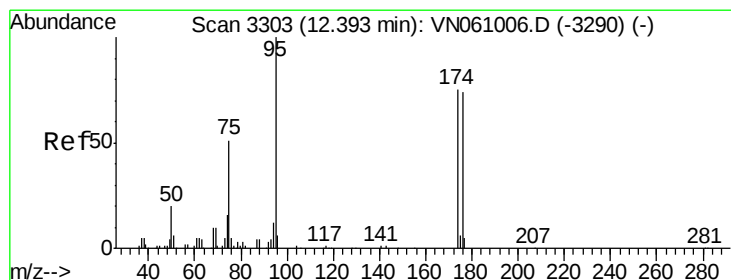
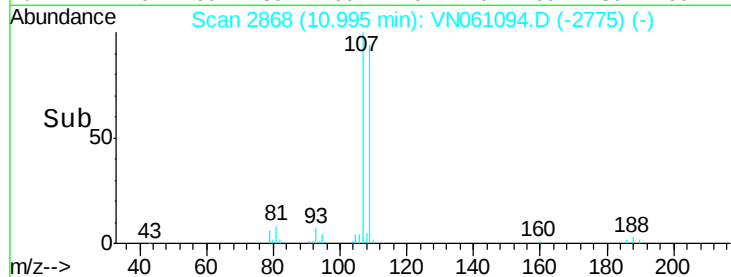
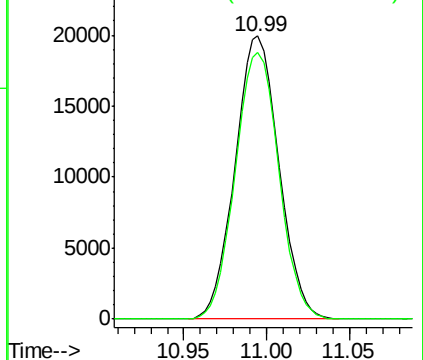
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.142 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

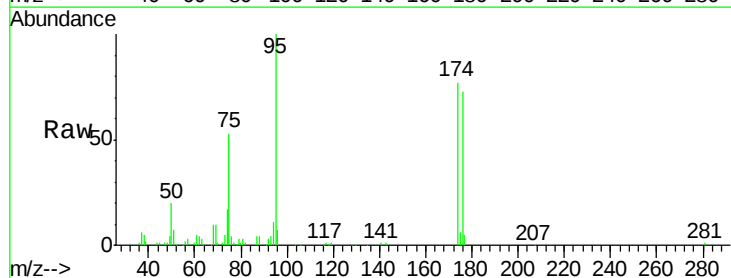
Tgt Ion: 95 Resp: 109002

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.2

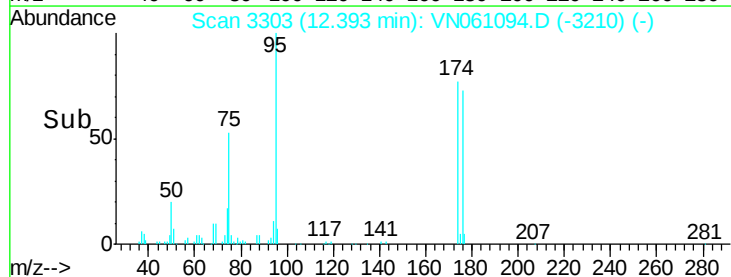
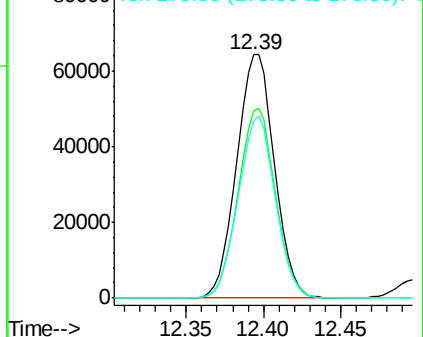
176 73.6 0.0 148.2

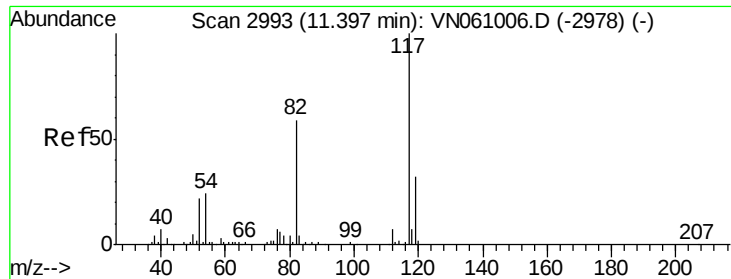


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





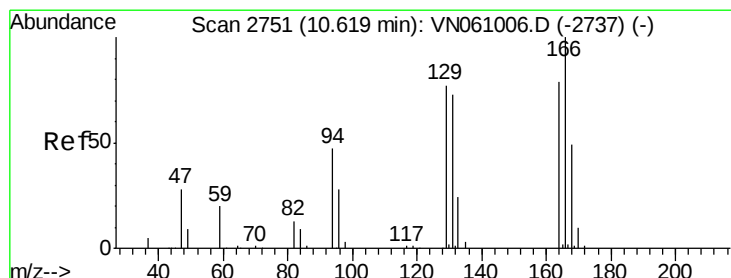
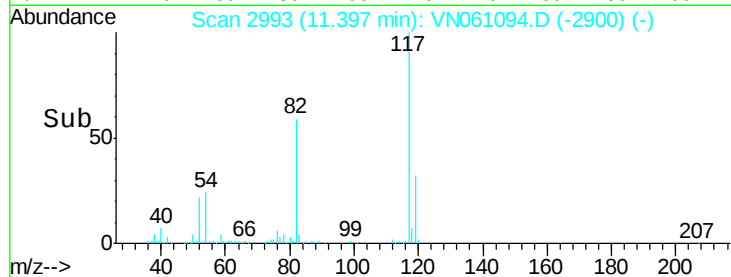
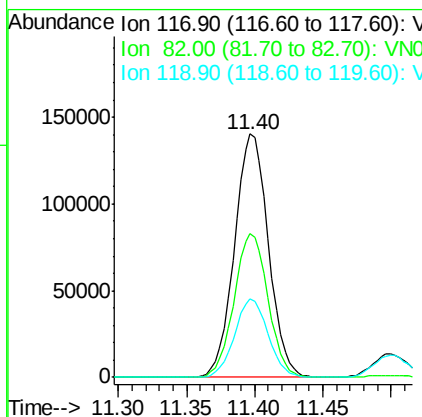
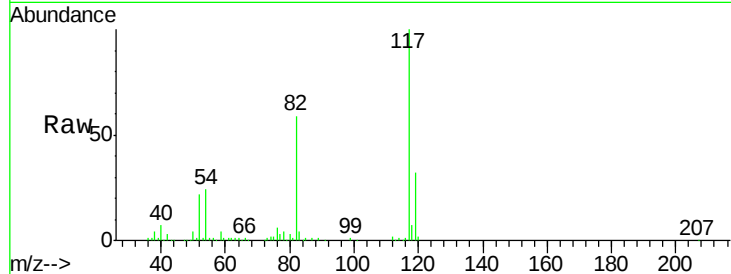
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.1	70.7
119	32.1	25.7	38.5

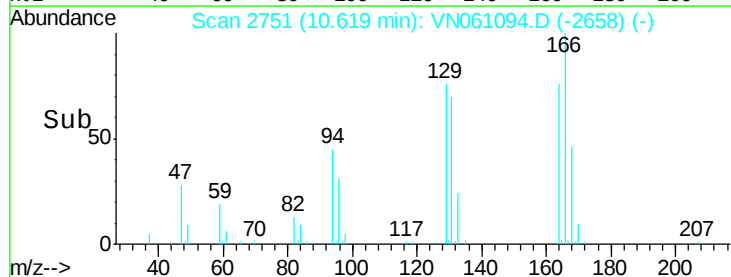
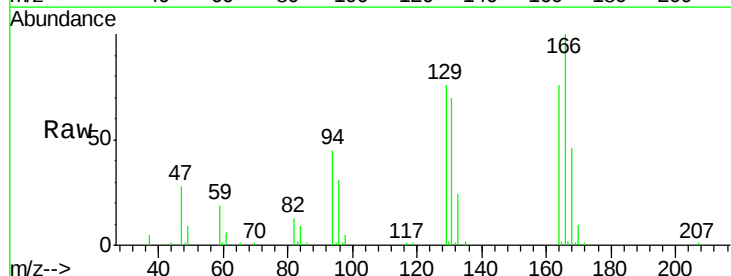
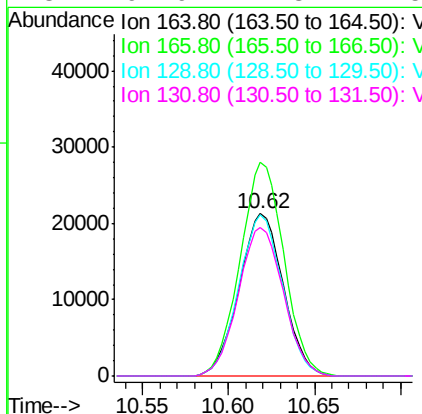
Manual Integrations
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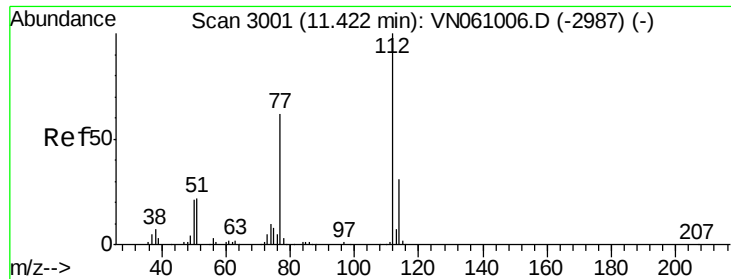
MMDadoda
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#64
Tetrachloroethene
Concen: 20.541 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	101.6	152.4
129	100.0	78.5	117.7
131	91.9	74.3	111.5





#65

Chlorobenzene

Concen: 19.350 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion:112 Resp: 96470

Ion Ratio Lower Upper

112 100

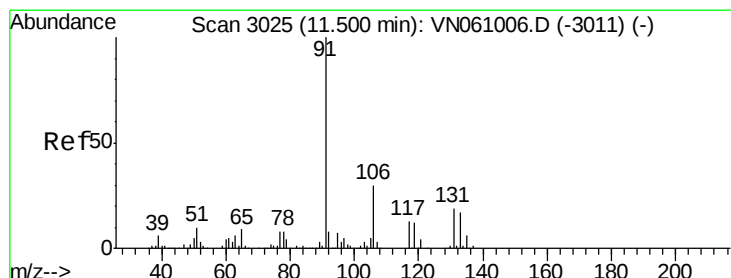
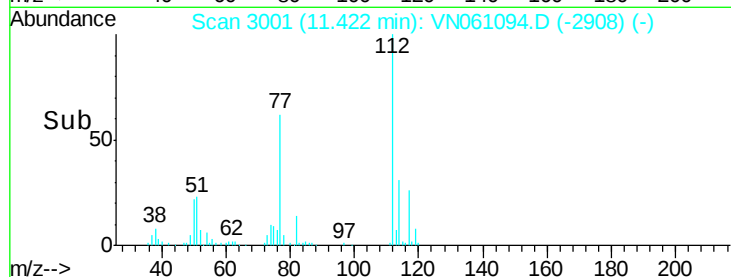
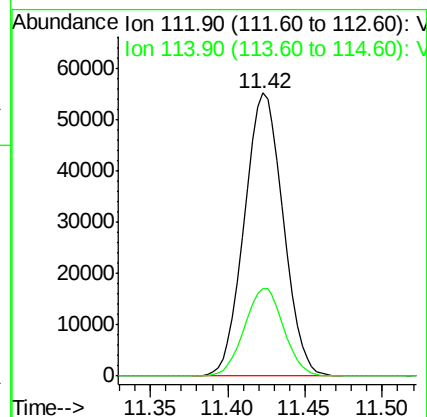
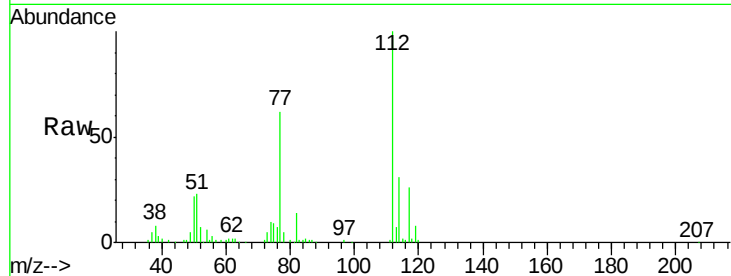
114 31.1 25.1 37.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.371 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

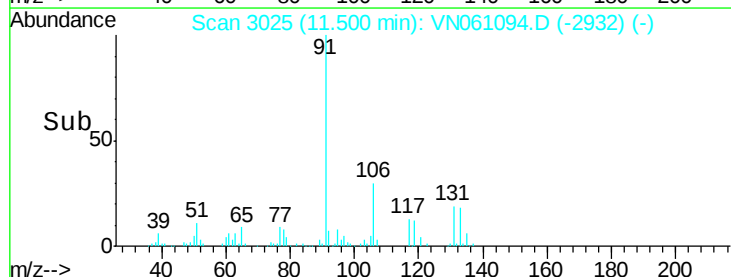
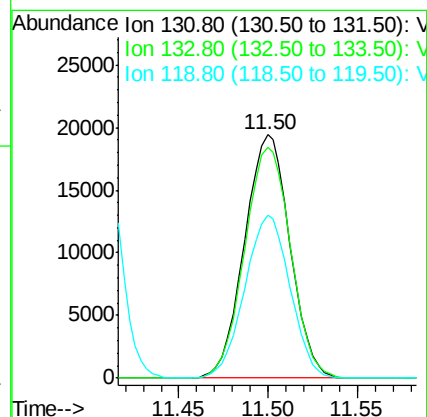
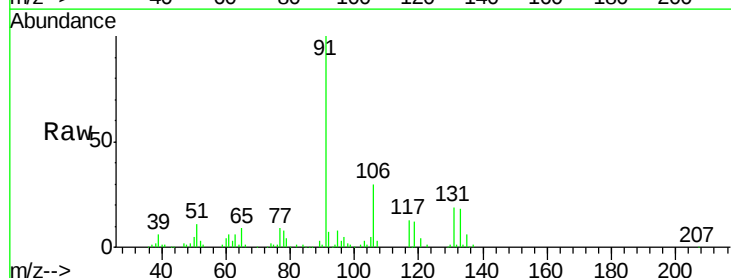
Tgt Ion:131 Resp: 34553

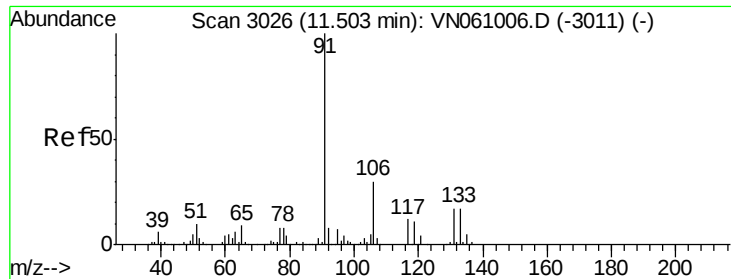
Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.8

119 66.7 33.3 99.8





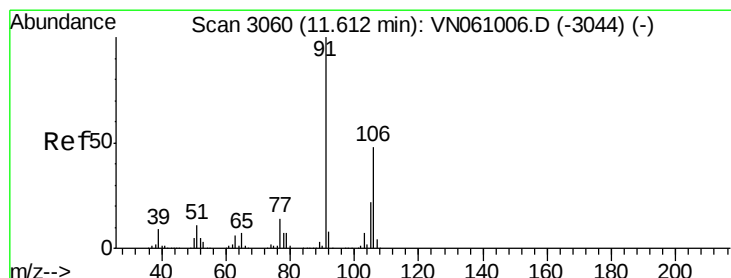
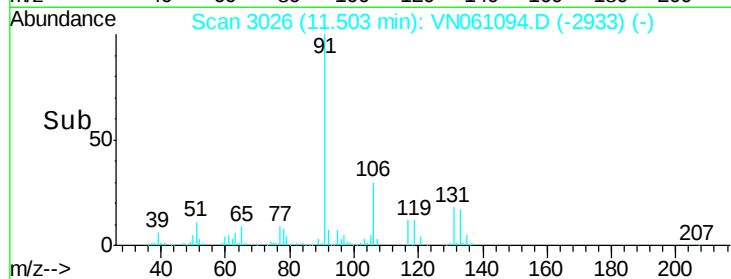
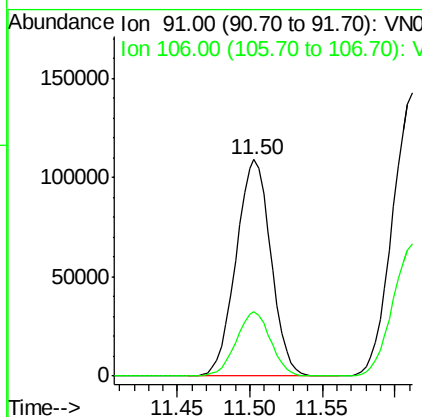
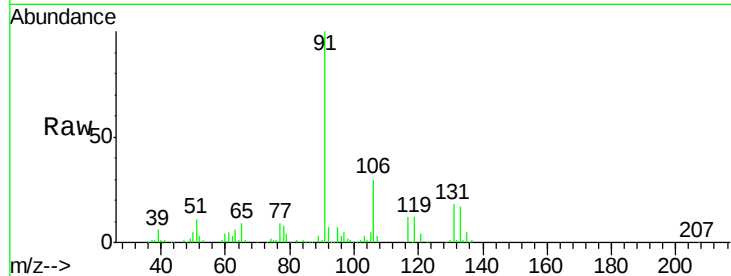
#67
Ethyl Benzene
Concen: 19.380 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion: 91 Resp: 181748
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8

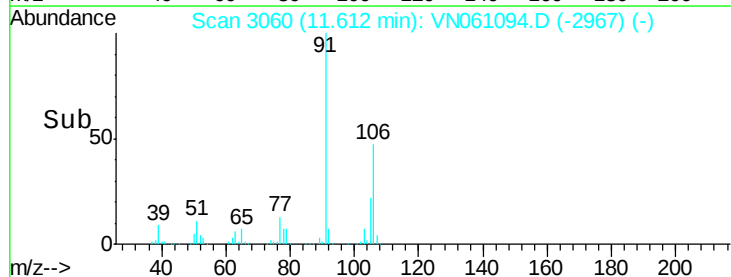
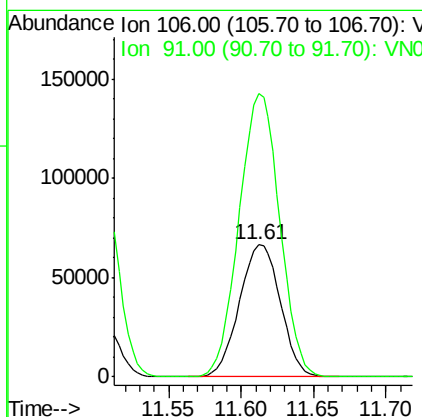
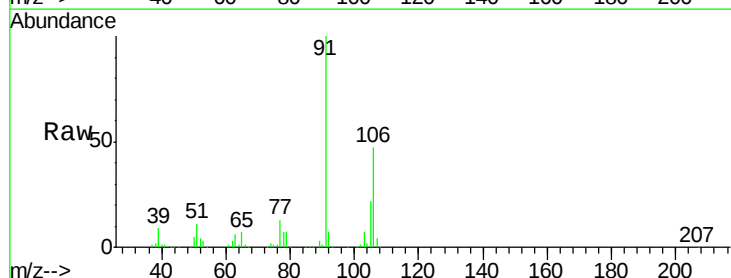
Manual Integrations
APPROVED

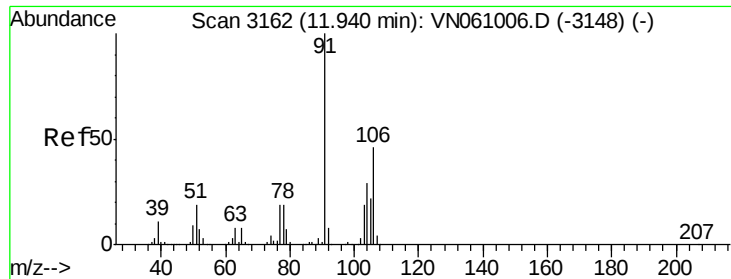
MMDadoda
4/21/2020 12:00:03 PM



#68
m/p-Xylenes
Concen: 38.638 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion: 106 Resp: 130956
Ion Ratio Lower Upper
106 100
91 212.1 167.9 251.9





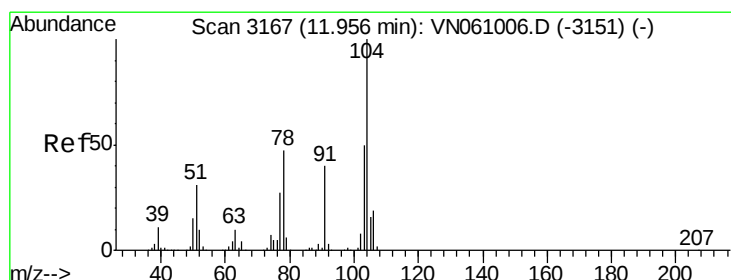
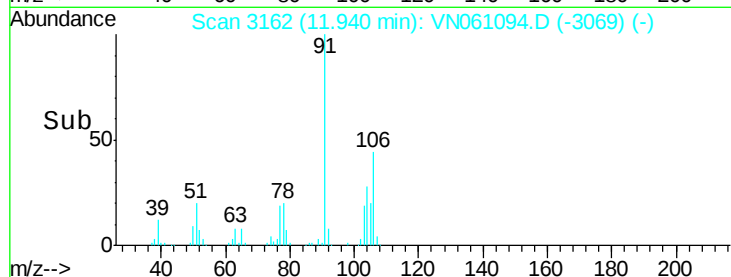
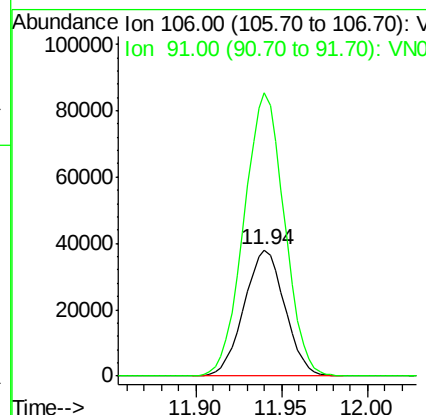
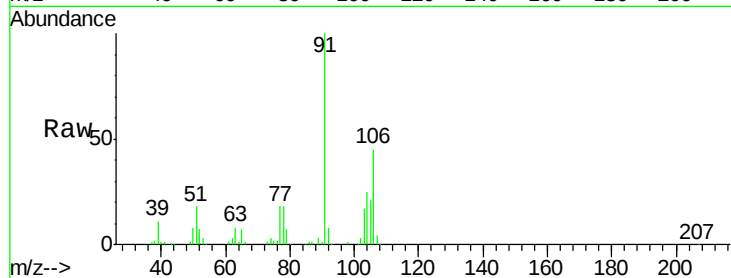
#69
o-Xylene
Concen: 19.221 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion:106 Resp: 62636
Ion Ratio Lower Upper
106 100
91 222.6 110.7 332.1

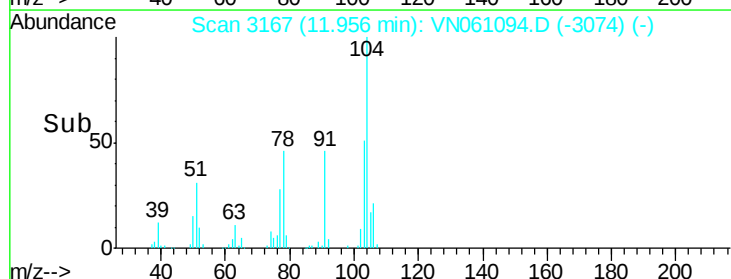
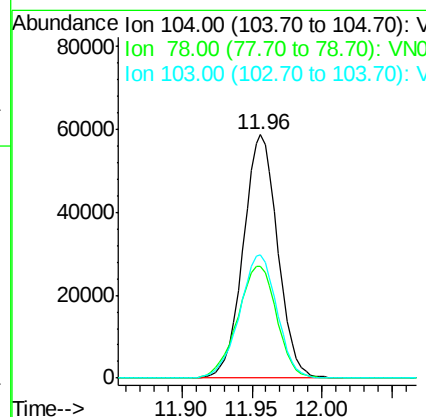
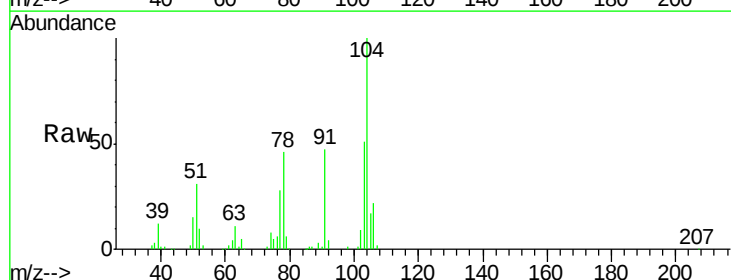
Manual Integrations
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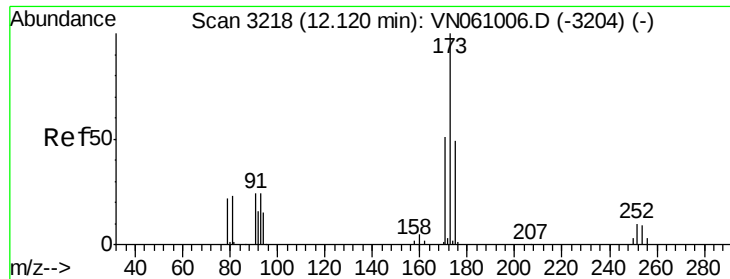
MMDadoda
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#70
Styrene
Concen: 19.134 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion:104 Resp: 100379
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.4
103 54.9 44.4 66.6





#71

Bromoform

Concen: 18.963 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion:173 Resp: 25248

Ion Ratio Lower Upper

173 100

175 47.1 24.5 73.5

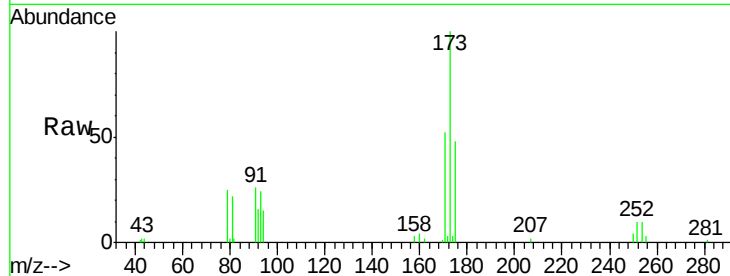
254 0.0 0.0 0.0

Manual Integrations

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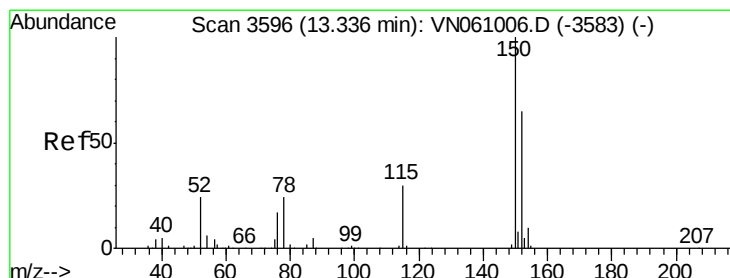
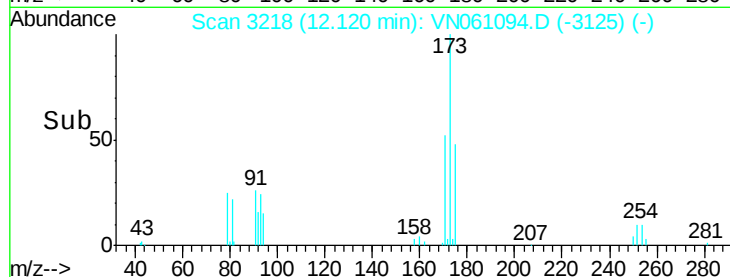
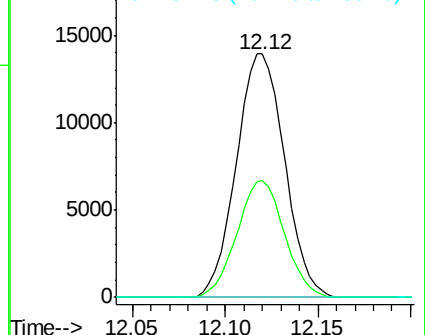
4/21/2020 12:00:03 PM



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: VN061094.D

Acq: 20 Apr 2020 12:25

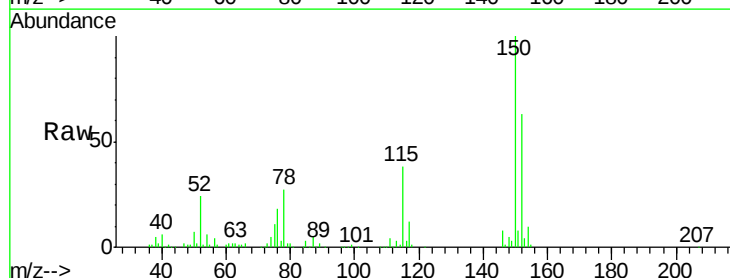
Tgt Ion:152 Resp: 111002

Ion Ratio Lower Upper

152 100

115 60.9 30.8 92.4

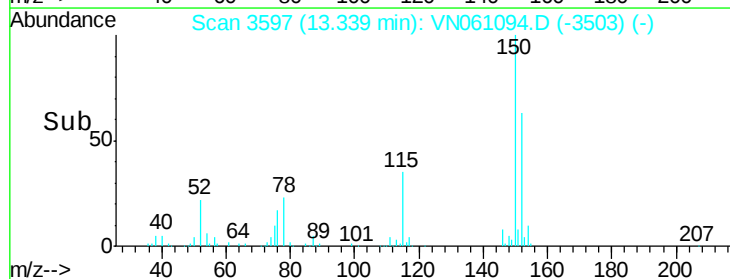
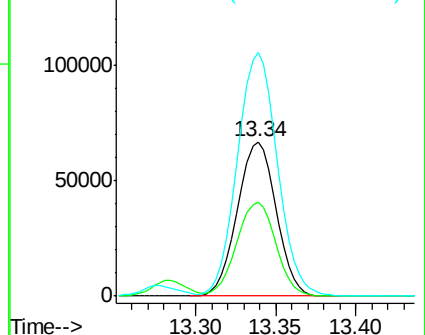
150 163.3 0.0 349.0

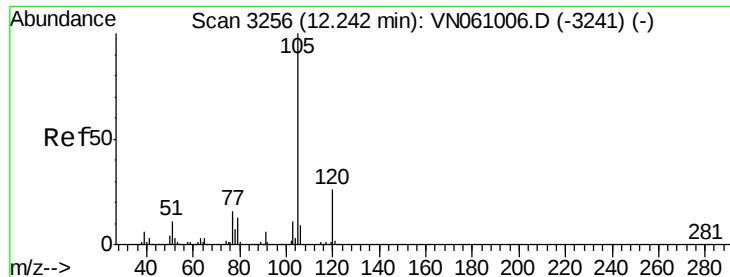


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.210 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion: 105 Resp: 170835

Ion Ratio Lower Upper

105 100

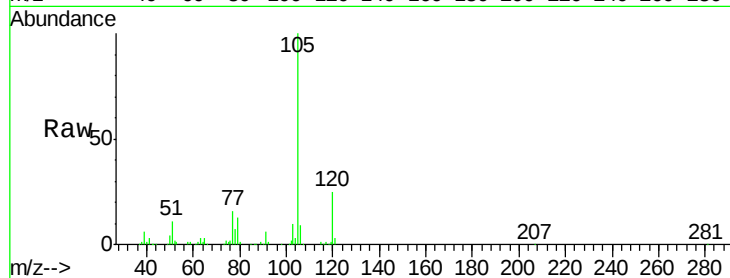
120 25.5 13.0 38.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

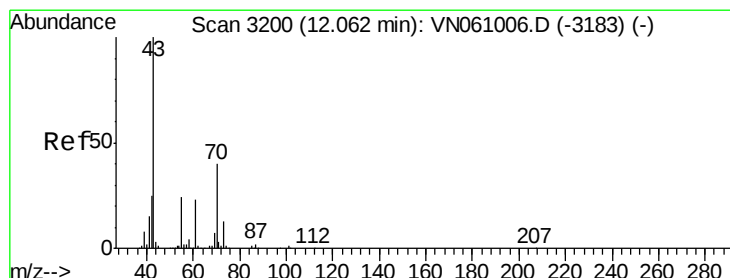
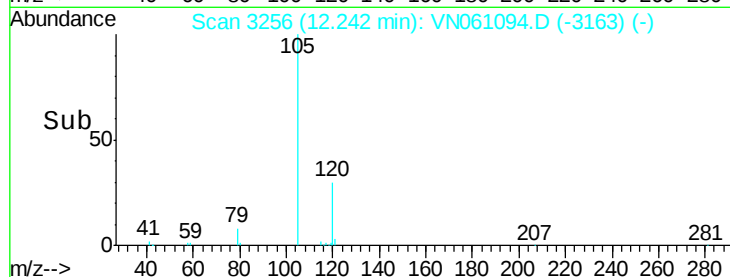
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 17.922 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion: 43 Resp: 74117

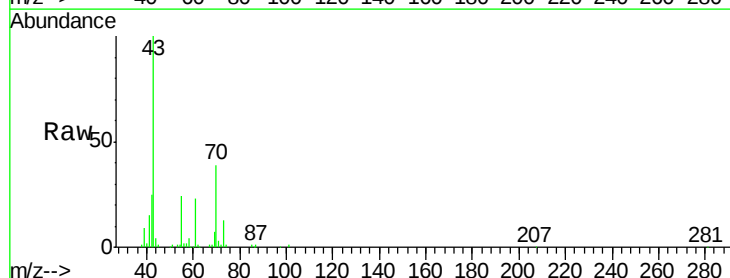
Ion Ratio Lower Upper

43 100

70 38.1 31.0 46.6

55 23.7 18.6 27.8

61 22.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN

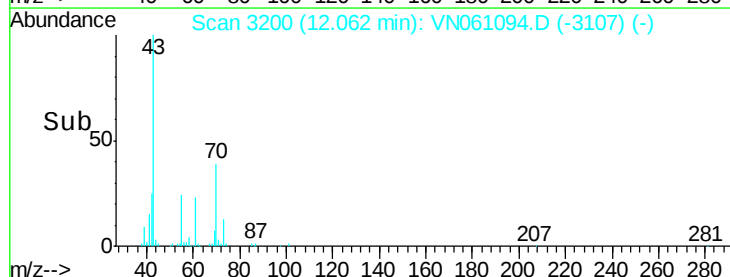
60000

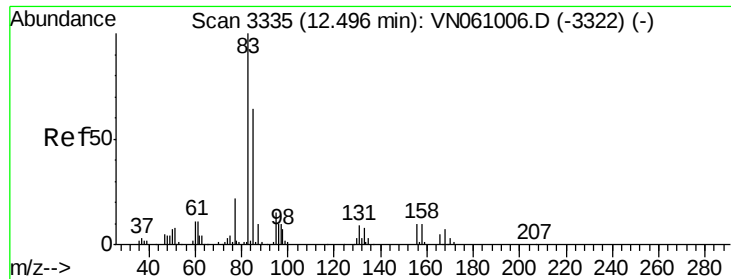
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.706 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

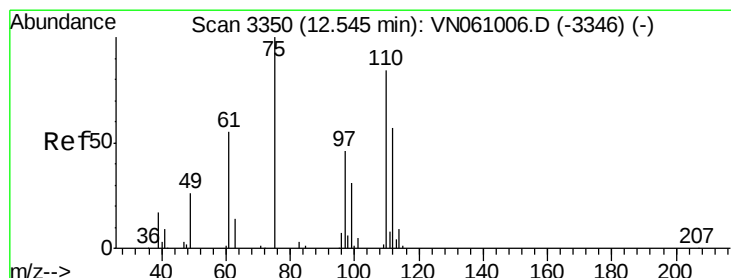
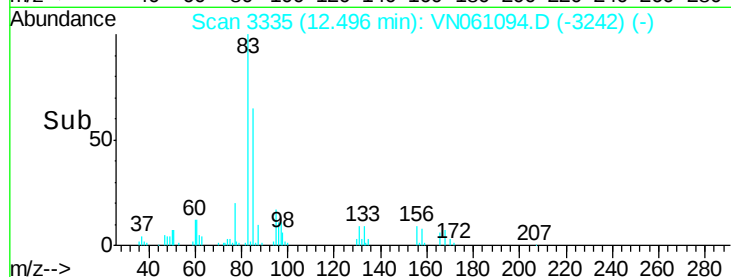
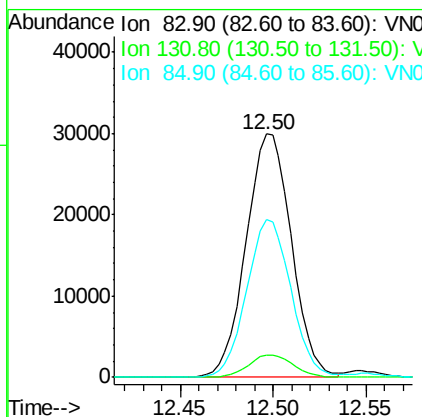
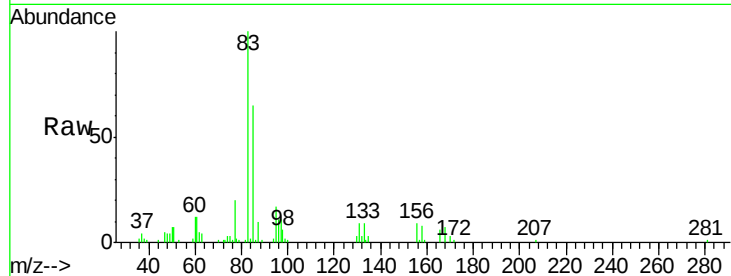
ClientSampleId :

VN0420WBS01

Tot Ion:	83	Resp:	50781
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.8	14.3
85	63.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.175 ug/l m

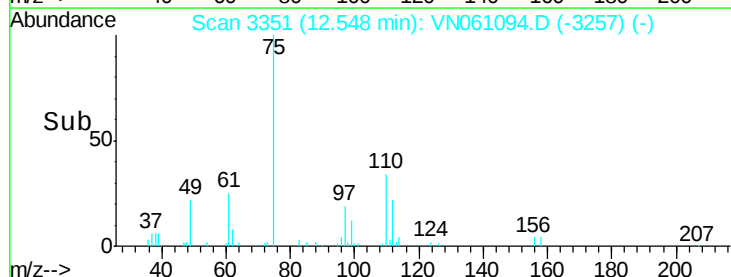
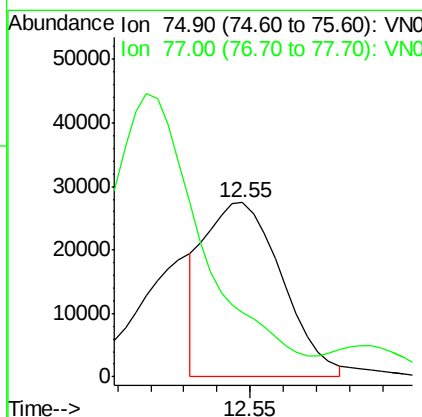
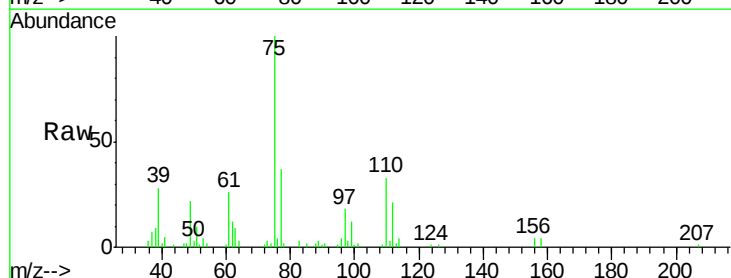
RT: 12.55 min Scan# 3351

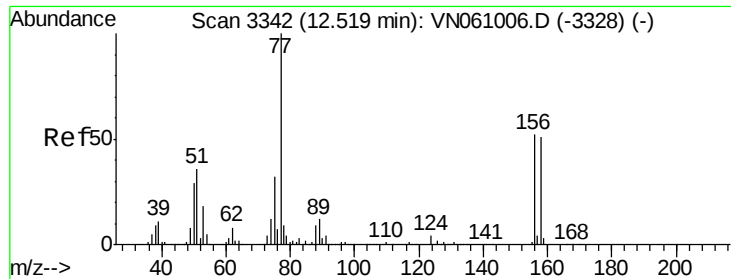
Delta R.T. 0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Tgt Ion:	75	Resp:	44376
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.933 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

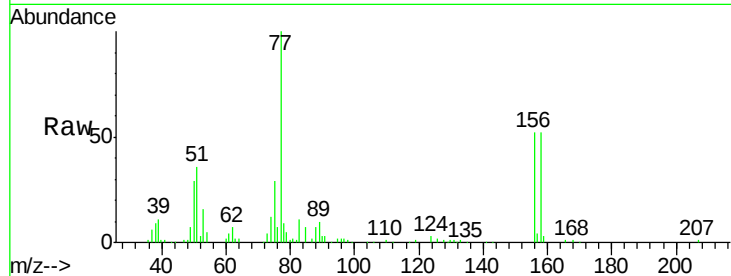
ClientSampleId :

VN0420WBS01

Tot Ion:	156	Resp:	39312
Ion Ratio	Lower	Upper	
156	100		
77	229.6	115.6	346.8
158	98.4	48.9	146.6

Manual Integrations
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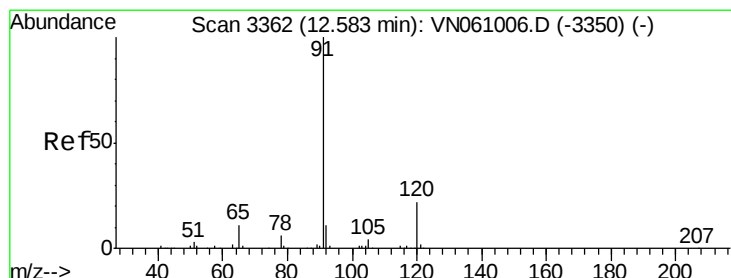
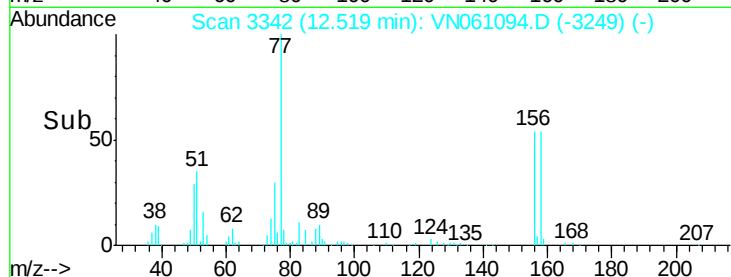
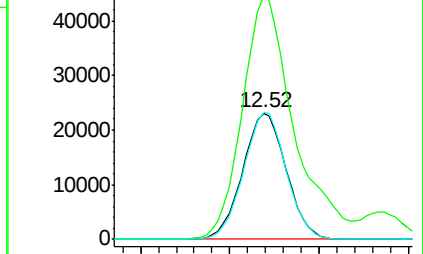
MMDadoda
4/21/2020 12:00:03 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.450 ug/l

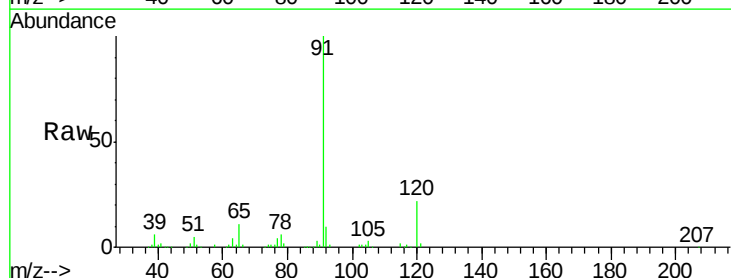
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061094.D

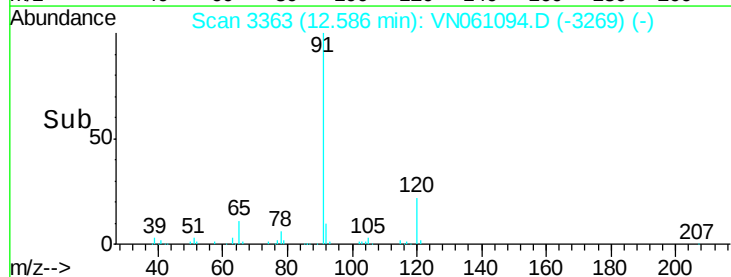
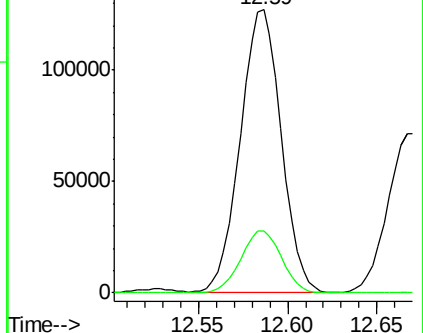
Acq: 20 Apr 2020 12:25

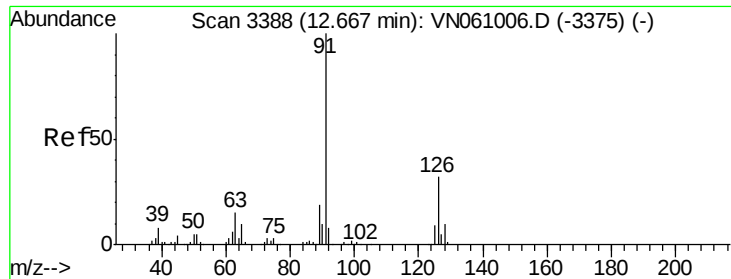
Tgt Ion:	91	Resp:	202364
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.544 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061094.D

Acq: 20 Apr 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBS01

Tot Ion: 91 Resp: 119260

Ion Ratio Lower Upper

91 100

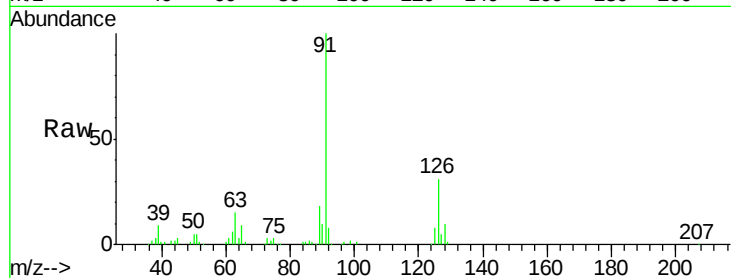
126 31.2 16.1 48.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3375) (-)

Ion 125.90 (125.60 to 126.60): VN061006.D (-3375) (-)

100000

80000

60000

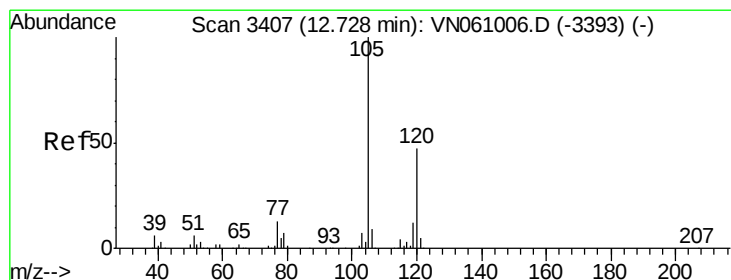
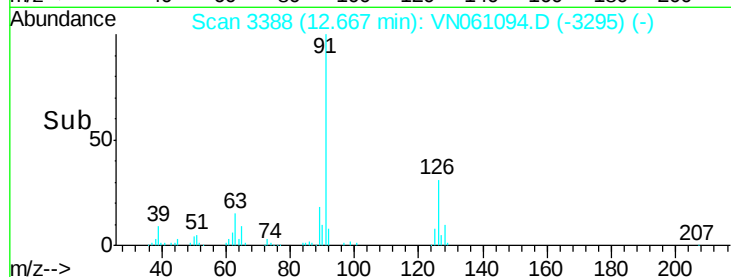
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.511 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061094.D

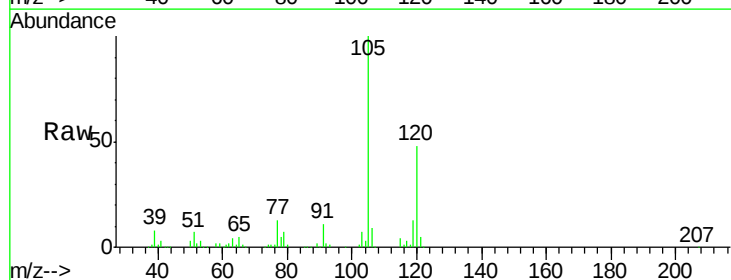
Acq: 20 Apr 2020 12:25

Tgt Ion: 105 Resp: 143417

Ion Ratio Lower Upper

105 100

120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN061006.D (-3393) (-)

100000

80000

60000

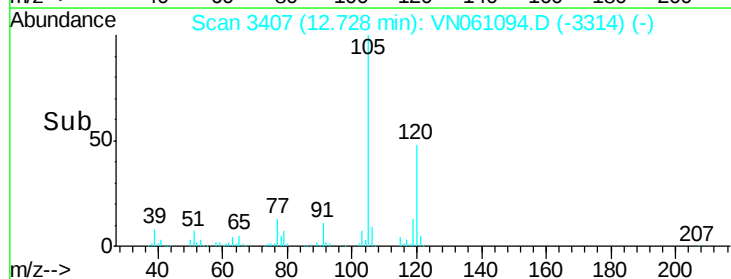
40000

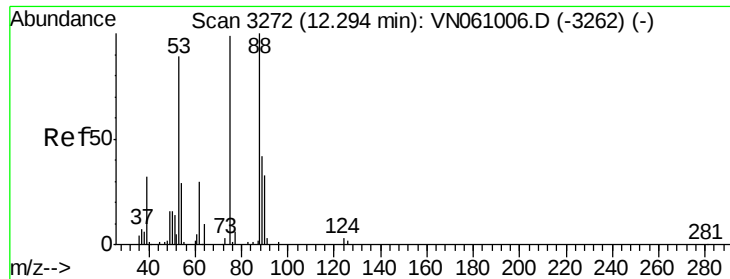
20000

0

12.65 12.70 12.75 12.80

Time-->





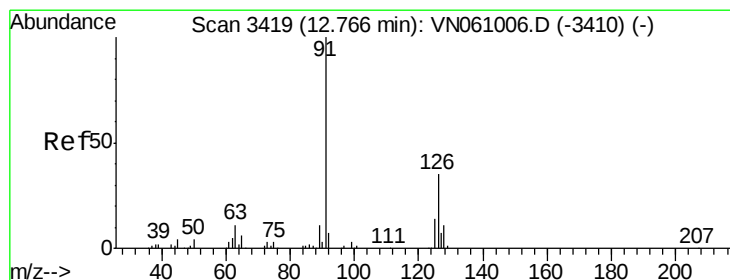
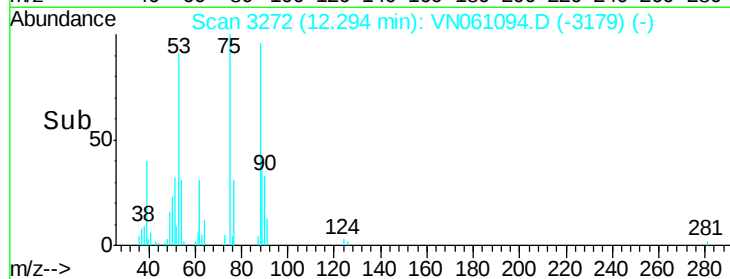
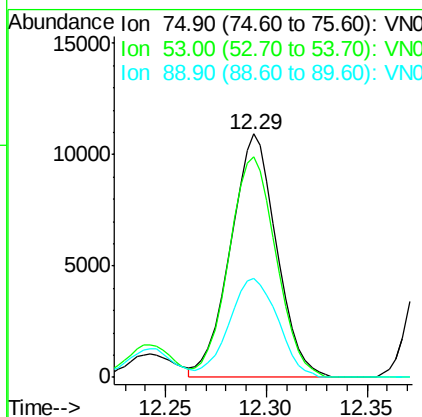
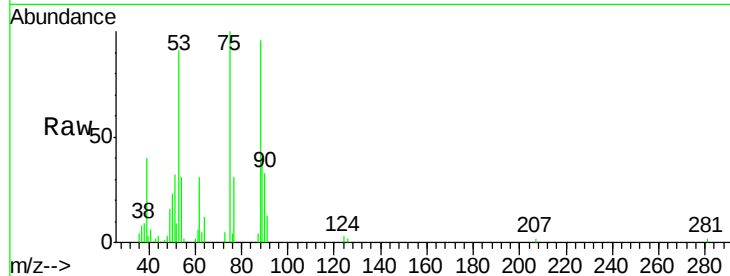
#81
trans-1,4-Dichloro-2-butene
Concen: 17.652 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	74.7	112.1
89	43.0	34.6	52.0

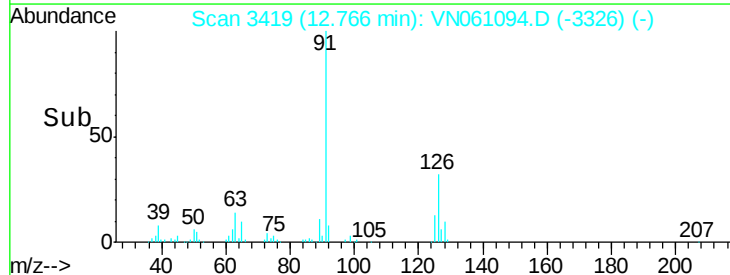
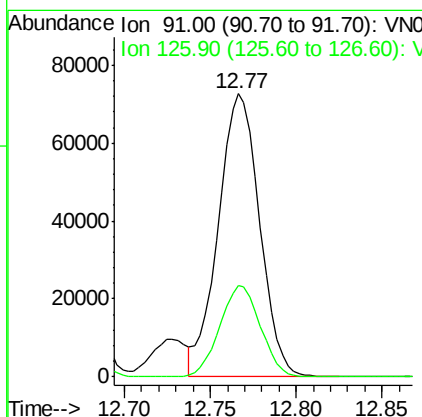
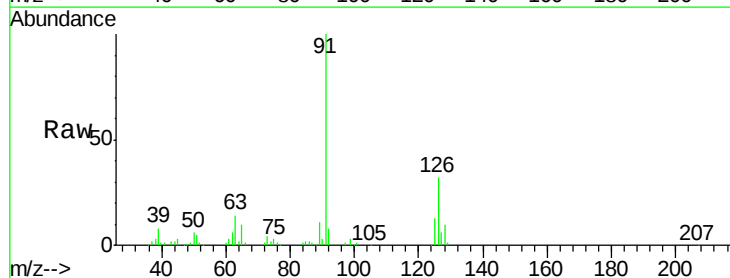
Manual Integrations
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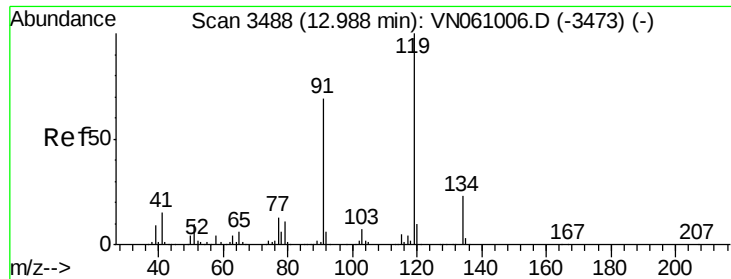
MMDadoda
4/21/2020 12:00:03 PM



#82
4-Chlorotoluene
Concen: 19.179 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6





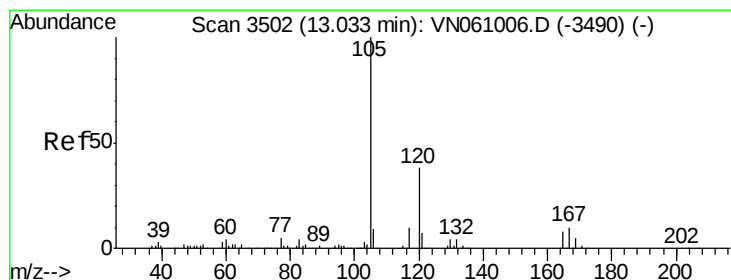
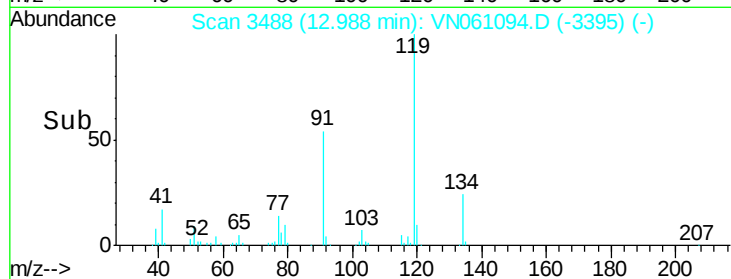
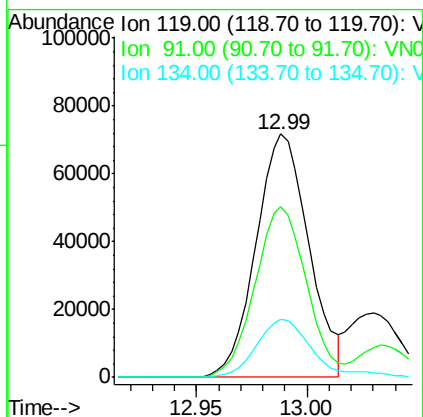
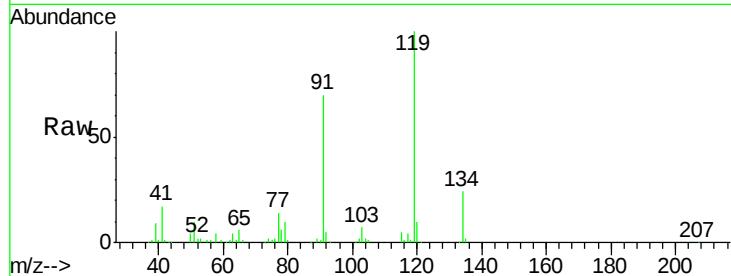
#83
tert-Butylbenzene
Concen: 19.311 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119376		
91	68.5	34.1	102.3	
134	25.2	12.4	37.2	

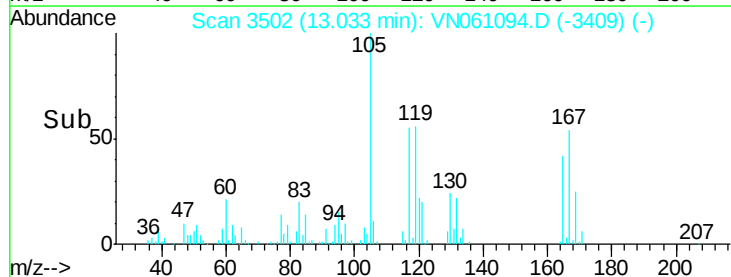
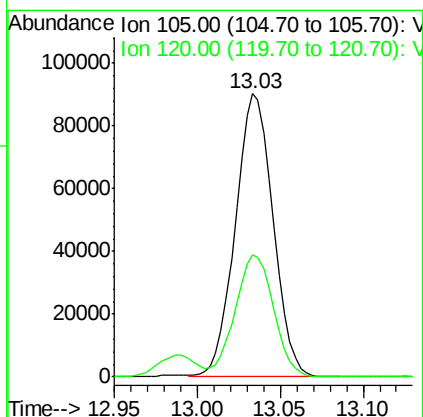
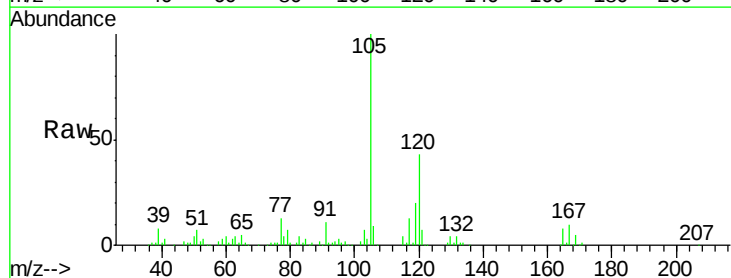
Manual Integrations
APPROVED

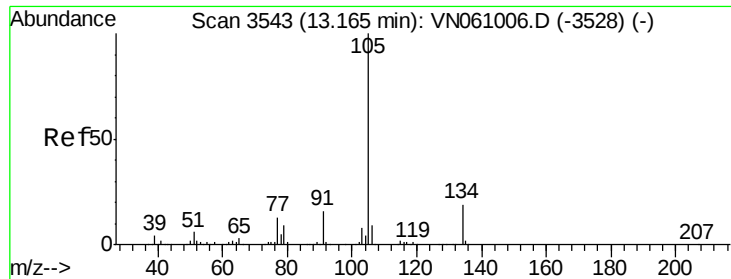
MMDadoda
4/21/2020 12:00:03 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.643 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142723		
120	44.0	22.1	66.5	





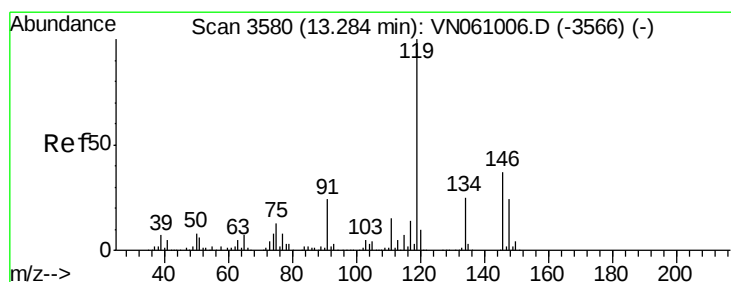
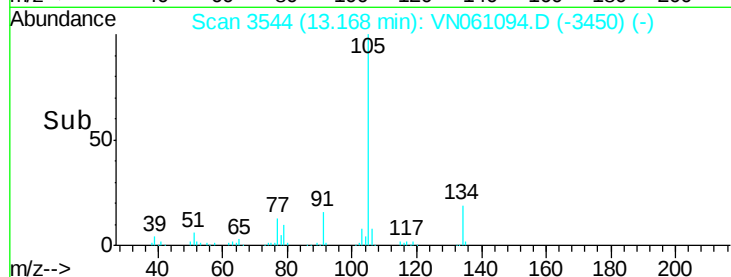
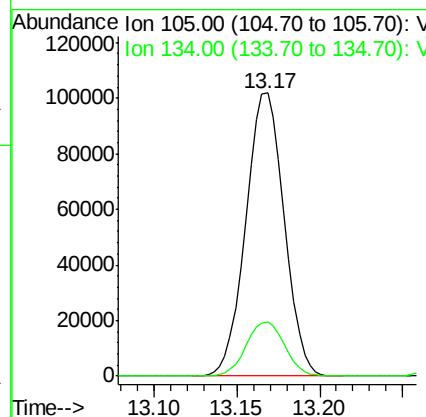
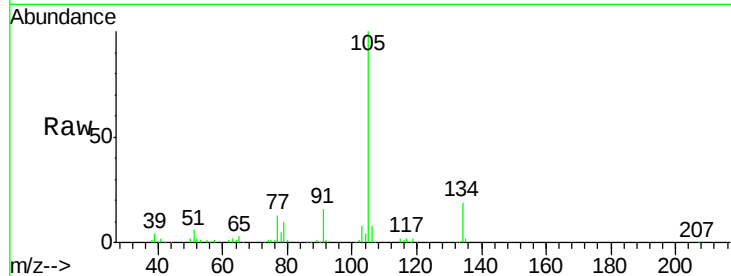
#85
 sec-Butylbenzene
 Concen: 19.552 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.5	28.5

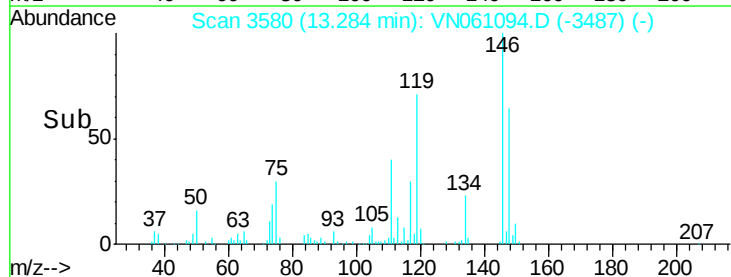
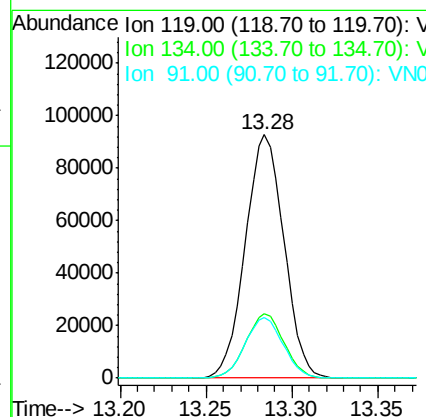
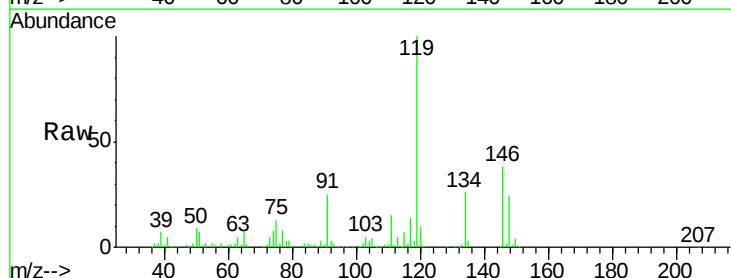
Manual Integrations
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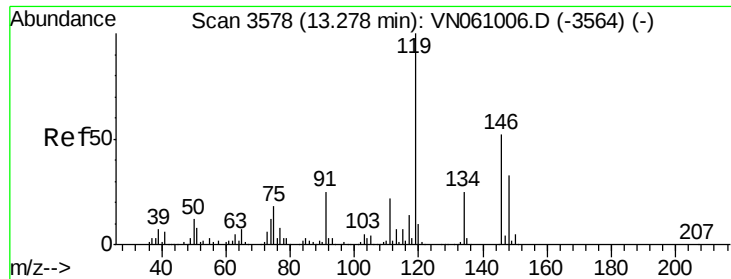
MMDadoda
 4/21/2020 12:00:03 PM



#86
 p-Isopropyltoluene
 Concen: 19.420 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.7	12.3	36.8





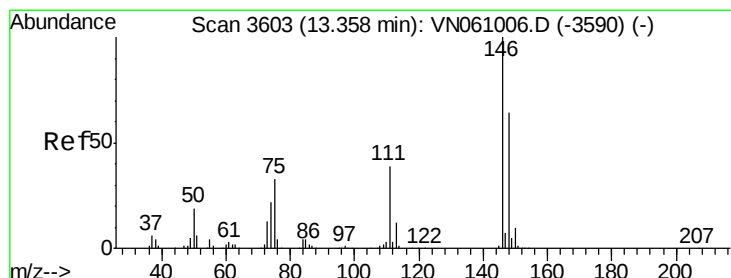
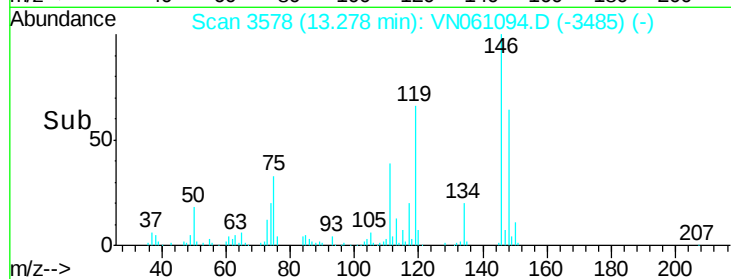
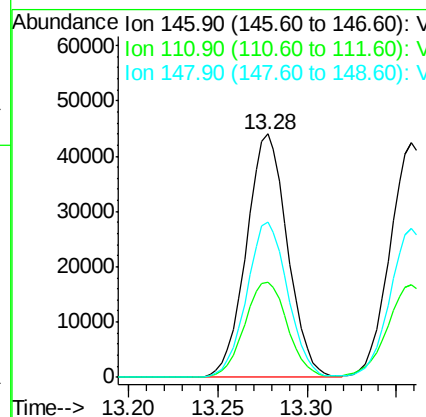
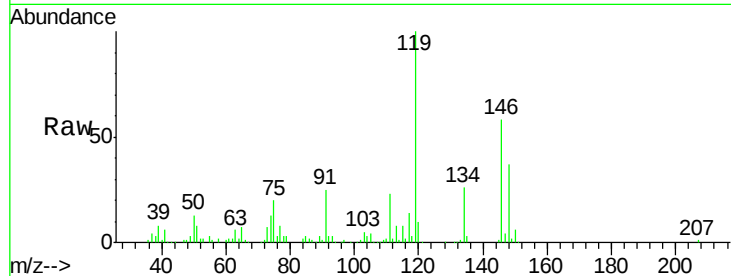
#87
 1,3-Dichlorobenzene
 Concen: 19.110 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.7	31.8	95.3

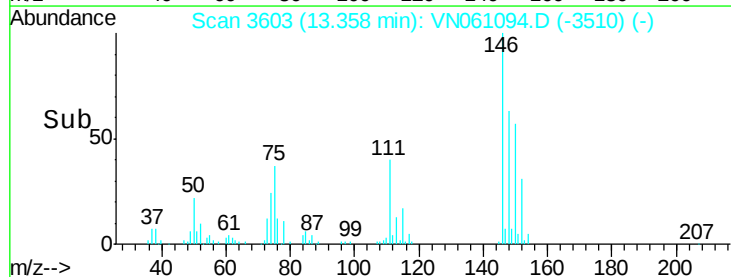
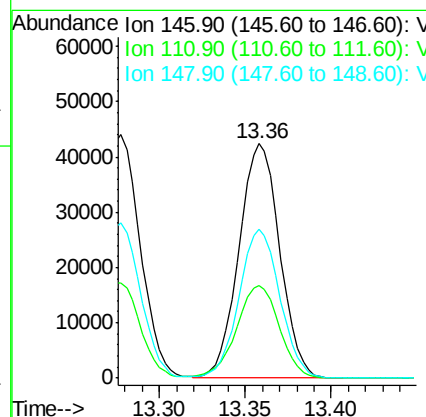
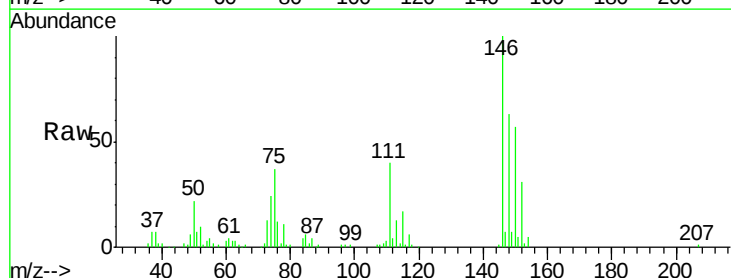
Manual Integrations
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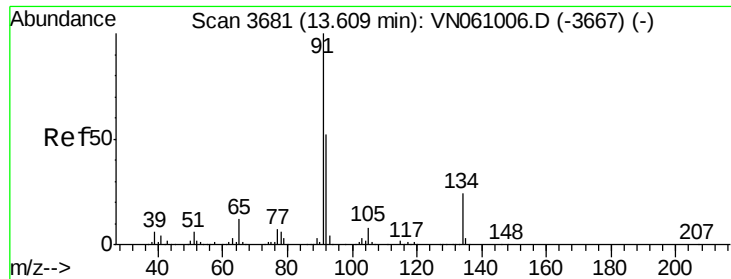
MMDadoda
 4/21/2020 12:00:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.806 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	63.7	32.1	96.3





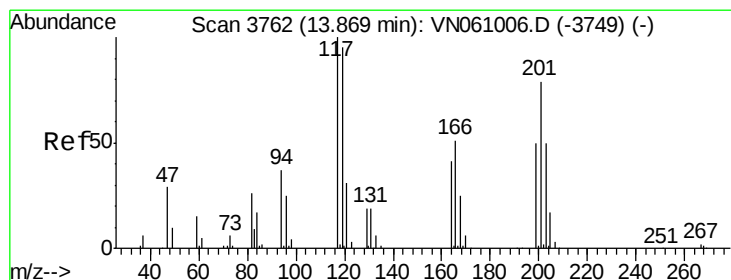
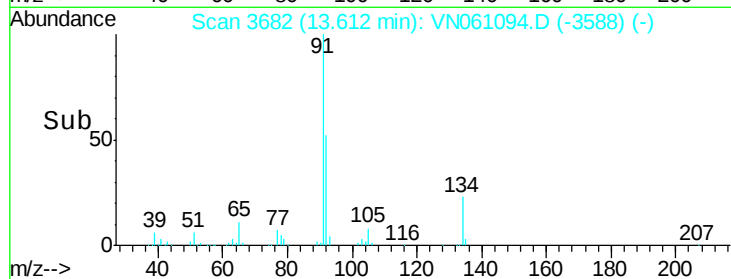
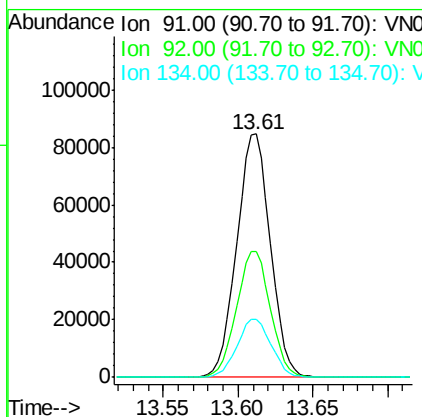
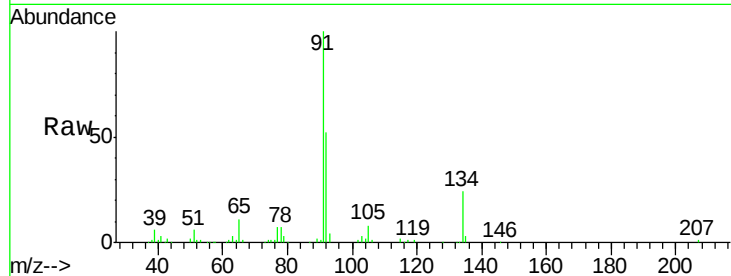
#89
n-Butylbenzene
Concen: 19.092 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	24.3	12.3	36.8

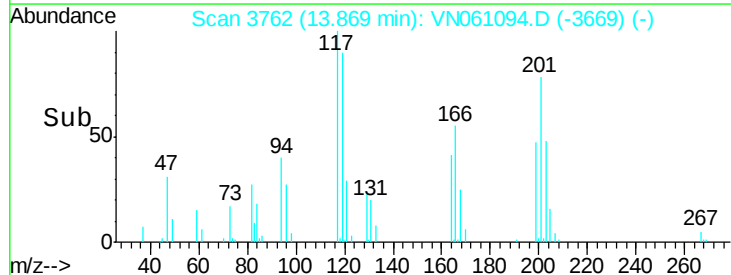
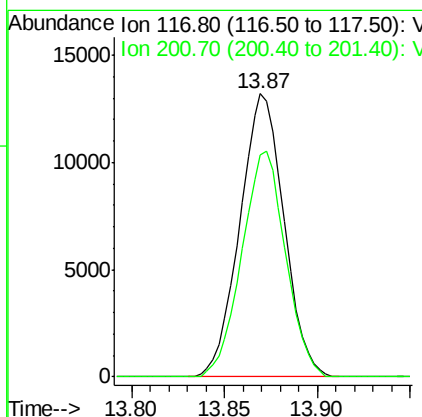
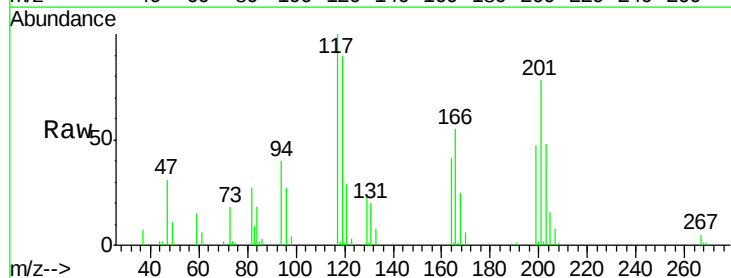
Manual Integrations
APPROVED

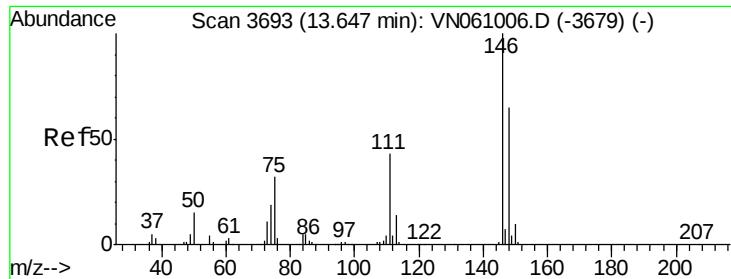
MMDadoda
4/21/2020 12:00:03 PM



#90
Hexachloroethane
Concen: 19.038 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.3	117.9





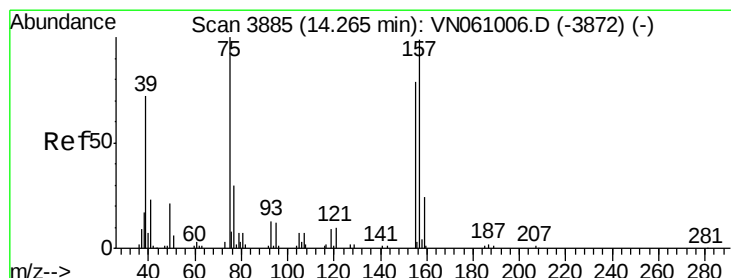
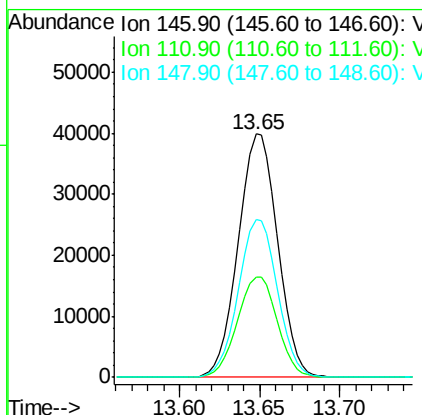
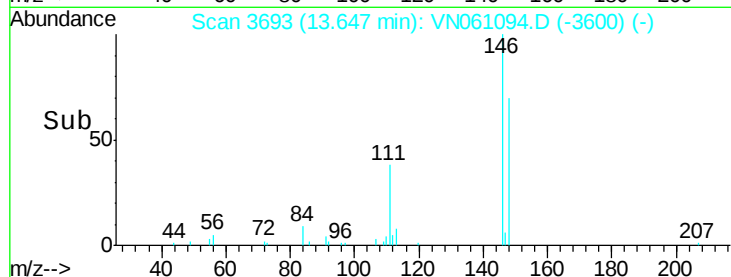
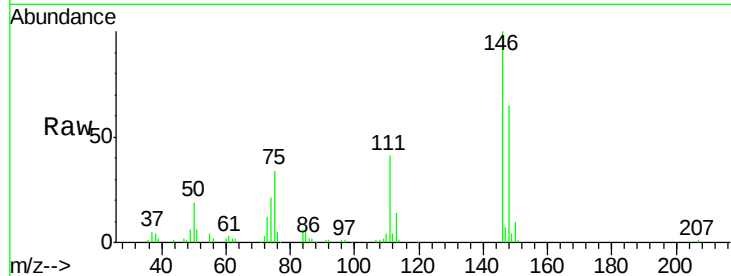
#91
 1,2-Dichlorobenzene
 Concen: 18.927 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	64.0
148	64.5	32.0	96.0

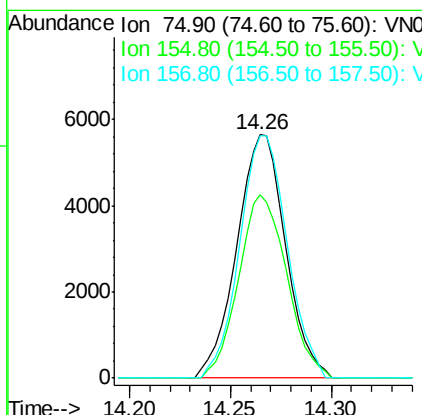
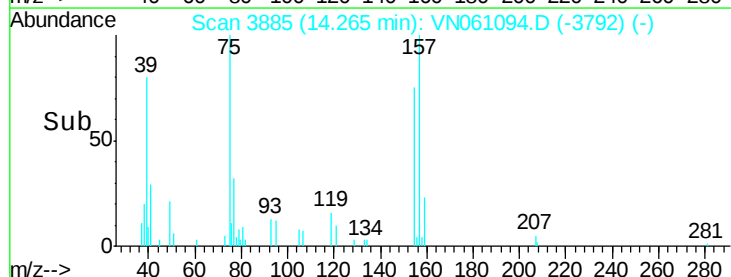
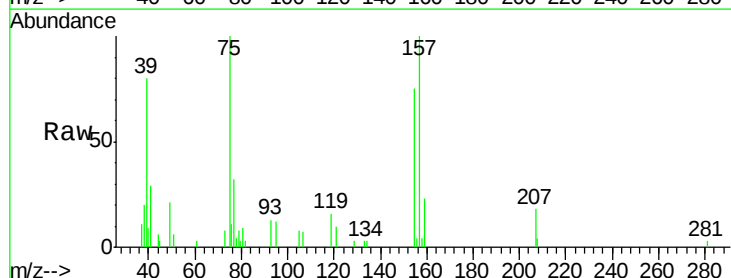
Manual Integrations
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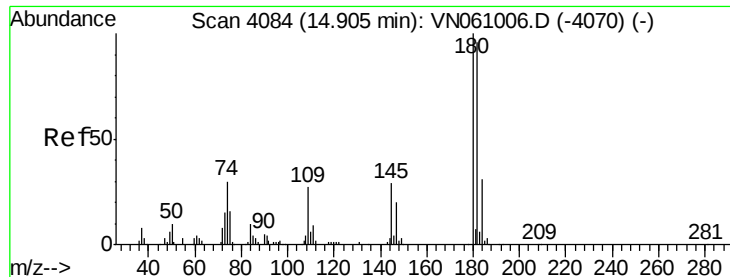
MMDadoda
 4/21/2020 12:00:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.240 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	39.5	118.5
157	97.1	50.1	150.4





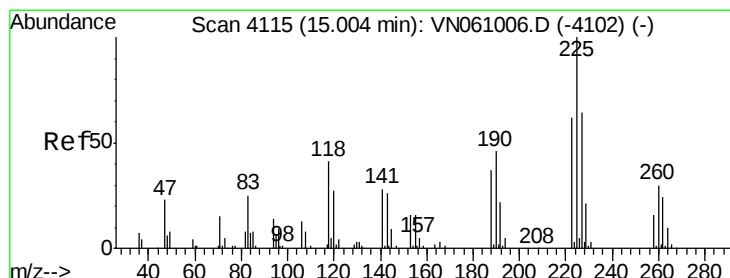
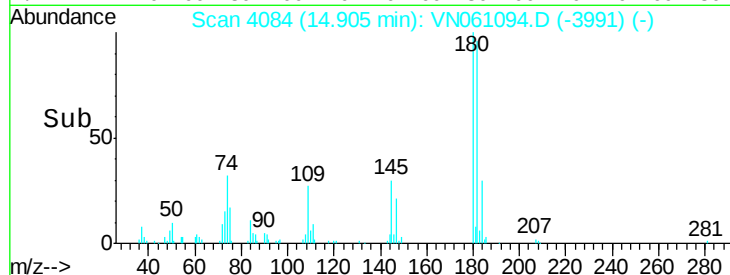
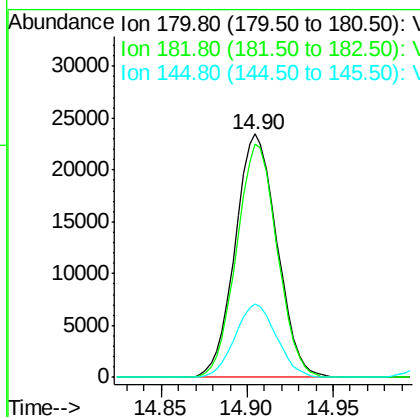
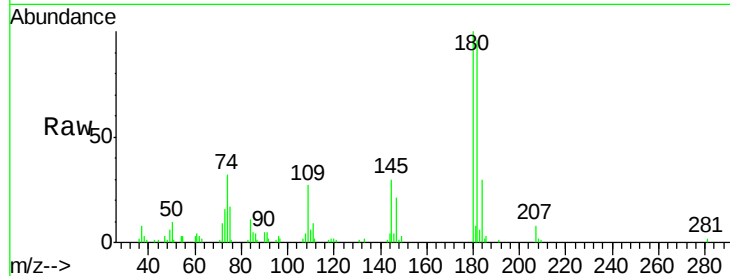
#93
 1,2,4-Trichlorobenzene
 Concen: 18.883 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39471		
182	93.4	47.8	143.3	
145	30.0	15.3	45.8	

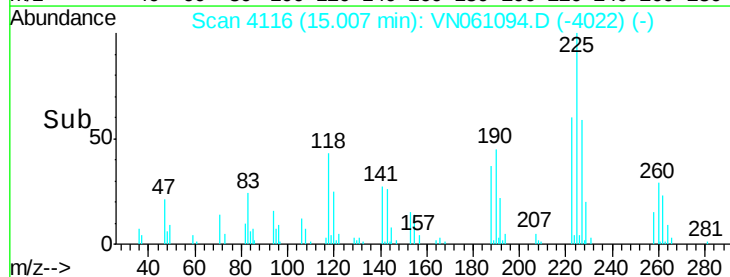
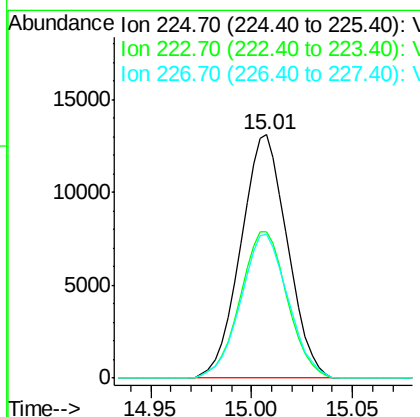
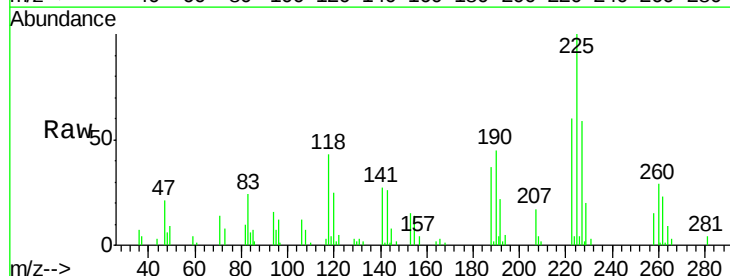
Manual Integrations
 APPROVED

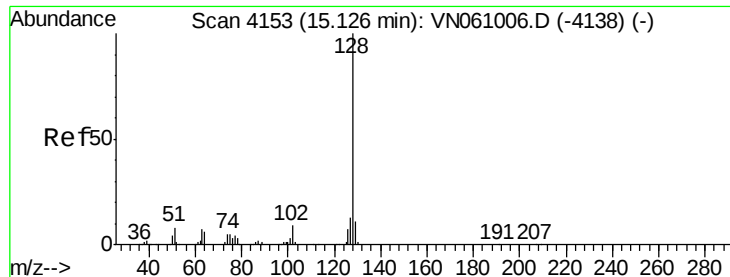
MMDadoda
 4/21/2020 12:00:03 PM



#94
 Hexachlorobutadiene
 Concen: 19.666 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061094.D
 Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21148		
223	60.7	31.3	93.8	
227	60.1	31.9	95.5	





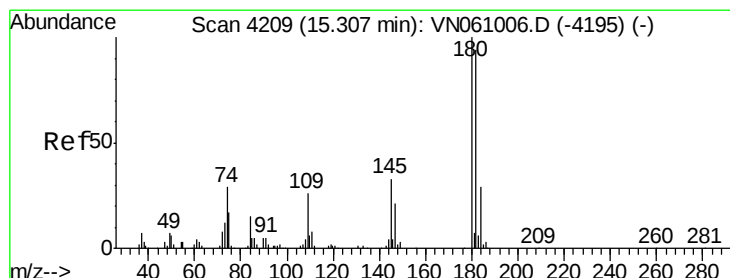
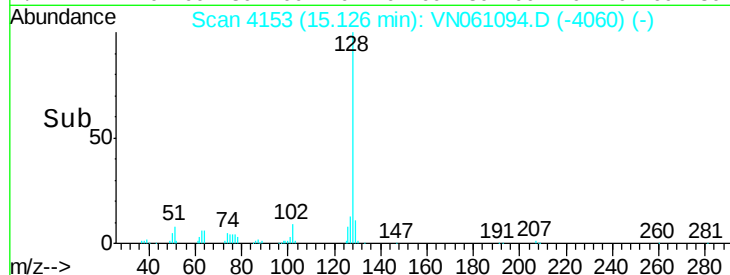
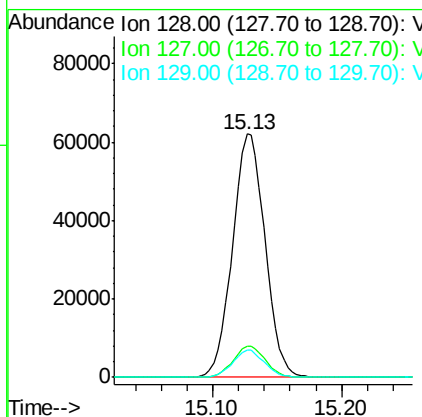
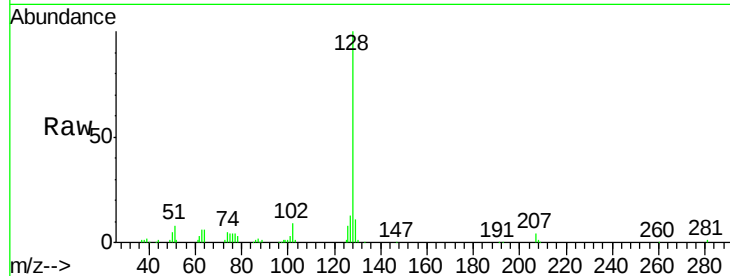
#95
Naphthalene
Concen: 17.828 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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4/21/2020 12:00:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.982 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061094.D
Acq: 20 Apr 2020 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.6	142.8
145	32.8	16.4	49.2

